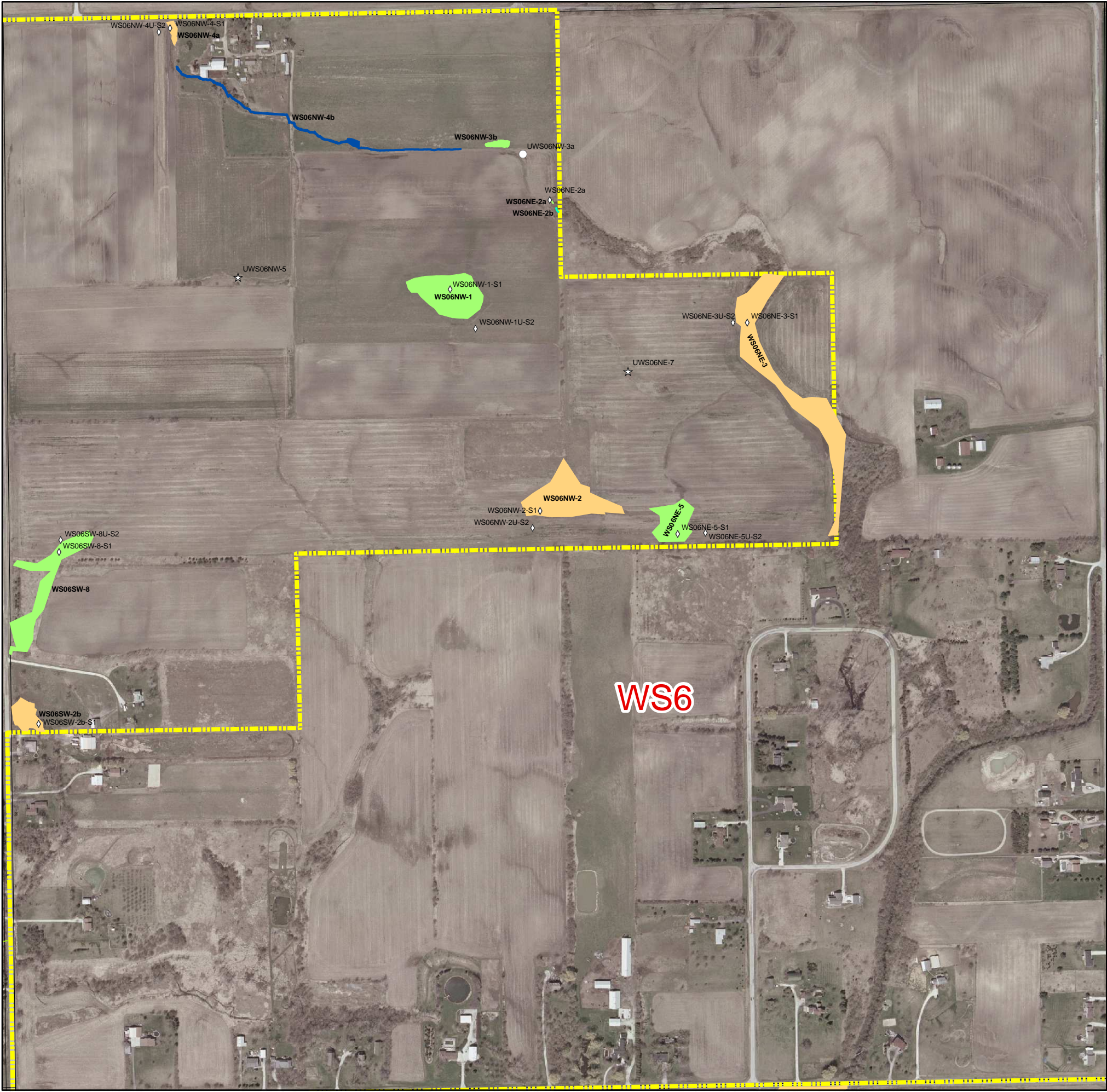


Appendix E
Section Washington 06

Area ID	Total Depth	Hydric Soil	Native FQI	Comments
WS06NE-2a	NA	NA	2.7	Photo E
WS06NE-2b	NA	NA	9.2	
WS06NE-3-S1	23	Yes	10.2	Photo NE
WS06NE-3U-S2	22	No		Photo E
WS06NE-5-S1	23	Yes	0.0	Photo W
WS06NE-5U-S2	23	No		Photo W
UWS06NE-7	NA	NA	NA	Photo NW
WS06NW-1-S1	21	Yes	6.0	
WS06NW-1U-S2	21	No		
WS06NW-2-S1	22	Yes	6.8	Photo E
WS06NW-2U-S2	21	No		
UWS06NW-3a	21	Yes	NA	
WS06NW-3b	NA	NA	0.0	no soil core
WS06NW-4-S1	20	Yes	7.5	
WS06NW-4U-S2	20	Yes		
UWS06NW-5	NA	NA	NA	Photo W
WS06SW-2b	NA	NA	3.5	
WS06SW-8-S1	22	Yes	9.3	Photo S
WS06SW-8U-S2	22	Yes		

NA = not applicable



Legend

Wetland Type

PEM

PSS

PFO

PEM/PFO

PSS/PEM

PFO/PSS

POW

Stream

Wetland Complex

2008 Study Boundary

Sections

Upland Soil Cores

Upland Photo Locations

Wetland Soil Cores

N

EXHIBIT E-1H

Washington Township Section 6

2008 - 2009 FIELD INVESTIGATION RESULTS

South Suburban Airport

Illinois Department of Transportation

Division of Aeronautics

AECOM

0

250

500

1,000

1,500

Feet

Site: SSA Inaugural Delineation
 Locale: WS06NE2a
 Date: October 2, 2008 15 minutes
 By: AECOM: T.Radke; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS06NE2a.inv

FLORISTIC QUALITY DATA	Native	5	50.0%	Adventive	5	50.0%
5 NATIVE SPECIES	Tree	1	10.0%	Tree	1	10.0%
10 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
1.2 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.6 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
2.7 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
1.9 W/Adventives	B-Forb	0	0.0%	B-Forb	2	20.0%
-2.2 NATIVE MEAN W	A-Forb	3	30.0%	A-Forb	1	10.0%
0.3 W/Adventives	P-Grass	0	0.0%	P-Grass	1	10.0%
AVG: Fac. Wetland (-)	A-Grass	1	10.0%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACENEG	0 Acer negundo	-2 FACW-	Nt Tree	BOX ELDER
ALLPET	0 ALLIARIA PETIOLATA	0 FAC	Ad B-Forb	GARLIC MUSTARD
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
BIDFRO	1 Bidens frondosa	-3 FACW	Nt A-Forb	COMMON BEGGAR'S TICKS
BROINE	0 BROMUS INERMIS	5 UPL	Ad P-Grass	HUNGARIAN BROME
DAUCAR	0 DAUCUS CAROTA	5 UPL	Ad B-Forb	QUEEN ANNE'S LACE
MACPOM	0 MACLURA POMIFERA	3 FACU	Ad Tree	OSAGE ORANGE
PANDII	0 Panicum dichotomiflorum	-2 FACW-	Nt A-Grass	KNEE GRASS
PILPUM	5 Pilea pumila	-3 FACW	Nt A-Forb	CLEARWEED
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: R. West						Date: 10/02/08 County: Will State: Illinois Community ID: PFO/stream Station ID: WS06NE-2a Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Start of stream corridor has two 6x10 ft, 5ft deep tile blowouts just north of start of open channel. Dumping area for old farm equipment and cattle carcasses																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>2. <i>Maclura pomifera</i></td><td>FACU</td><td>TREE</td><td>--</td></tr> <tr><td>3. <i>Acer negundo</i></td><td>FACW-</td><td>TREE</td><td>--</td></tr> <tr><td>4. <i>Alliaria petiolata</i></td><td>FAC</td><td>HERB</td><td>--</td></tr> <tr><td>5. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>6. <i>Polygonum persicaria</i></td><td>FACW</td><td>HERB</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	--	2. <i>Maclura pomifera</i>	FACU	TREE	--	3. <i>Acer negundo</i>	FACW-	TREE	--	4. <i>Alliaria petiolata</i>	FAC	HERB	--	5. <i>Daucus carota</i>	UPL	HERB	--	6. <i>Polygonum persicaria</i>	FACW	HERB	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Bidens frondosa</i></td><td>FACW</td><td>HERB</td><td>--</td></tr> <tr><td>8. <i>Pilea pumila</i></td><td>FACW</td><td>HERB</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. <i>Bidens frondosa</i>	FACW	HERB	--	8. <i>Pilea pumila</i>	FACW	HERB	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Bromus inermis</i>	UPL	HERB	--																																																														
2. <i>Maclura pomifera</i>	FACU	TREE	--																																																														
3. <i>Acer negundo</i>	FACW-	TREE	--																																																														
4. <i>Alliaria petiolata</i>	FAC	HERB	--																																																														
5. <i>Daucus carota</i>	UPL	HERB	--																																																														
6. <i>Polygonum persicaria</i>	FACW	HERB	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Bidens frondosa</i>	FACW	HERB	--																																																														
8. <i>Pilea pumila</i>	FACW	HERB	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 63%																																																																	
Remarks: Hydrophytic vegetation is dominant. Side of blowout lined with pilpum, bidfro, polper, and broine Cover percentages not recorded.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is present. Tile blowouts with water on bottom. Channel 10ft wide from TOB.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam Taxonomy (Subgroup): Typic Endoaquolls				Series Drainage Class: Poorly drained Field Observations Confirm Mapped Type? _____ * Yes _____ No																																																													
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are mapped. *No soil core taken. Area has tile blowouts and open stream channel.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Hydric Soils Present? _____ * Yes _____ No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Remarks: This plot is located in a wetland. Area had scrap metal, old tires, fuel tanks and cattle remains. *No soil core taken. Mapped hydric																																																																	

Site: SSA Inaugural Delineation
 Locale: WS06NE2b
 Date: October 2, 2008 1 hours
 By: AECOM: T.Radke; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS06NE2b.inv

FLORISTIC QUALITY DATA	Native	27	77.1%	Adventive	8	22.9%
27 NATIVE SPECIES	Tree	4	11.4%	Tree	1	2.9%
35 Total Species	Shrub	3	8.6%	Shrub	0	0.0%
1.8 NATIVE MEAN C	W-Vine	2	5.7%	W-Vine	0	0.0%
1.4 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
9.2 NATIVE FQI	P-Forb	8	22.9%	P-Forb	2	5.7%
8.1 W/Adventives	B-Forb	0	0.0%	B-Forb	1	2.9%
-0.7 NATIVE MEAN W	A-Forb	4	11.4%	A-Forb	1	2.9%
-0.5 W/Adventives	P-Grass	2	5.7%	P-Grass	3	8.6%
AVG: Faculative (+)	A-Grass	1	2.9%	A-Grass	0	0.0%
	P-Sedge	2	5.7%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	1	2.9%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACARHO	0 Acalypha rhomboidea	3 FACU	Nt A-Forb	THREE-SEEDED MERCURY
ACENEG	0 Acer negundo	-2 FACW-	Nt Tree	BOX ELDER
ACESAI	0 Acer saccharinum	-3 FACW	Nt Tree	SILVER MAPLE
AGRREP	0 AGROPYRON REPENS	3 FACU	Ad P-Grass	QUACK GRASS
AGRALA	0 AGROSTIS ALBA	-3 FACW	Ad P-Grass	REDTOP
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
BIDFRO	1 Bidens frondosa	-3 FACW	Nt A-Forb	COMMON BEGGAR'S TICKS
CXCRIS	4 Carex cristatella	-4 FACW+	Nt P-Sedge	CRESTED OVAL SEDGE
CORSTO	6 Cornus stolonifera	-3 FACW	Nt Shrub	RED-OSIER DOGWOOD
CYPESC	0 Cyperus esculentus	-1 [FAC+]	Nt P-Sedge	FIELD NUT SEDGE
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
ELYVIR	4 Elymus virginicus	-2 FACW-	Nt P-Grass	VIRGINIA WILD RYE
EQUARV	0 Equisetum arvense	0 FAC	Cryptogam	HORSETAIL
EUPRUG	4 Eupatorium rugosum	5 UPL	Nt P-Forb	WHITE SNAKEROOT
FRAPES	1 Fraxinus pennsylvanica subintegerrima	0 FAC	Nt Tree	GREEN ASH
GEUCAN	1 Geum canadense	0 FAC	Nt P-Forb	WOOD AVENS
GLYSTR	4 Glyceria striata	-3 [FACW]	Nt P-Grass	FOWL MANNA GRASS
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
JUGNIG	5 Juglans nigra	3 FACU	Nt Tree	BLACK WALNUT
MORALB	0 MORUS ALBA	0 FAC	Ad Tree	WHITE MULBERRY
OSMLON	3 Osmorhiza longistylis	4 FACU-	Nt P-Forb	SMOOTH SWEET CICELY
PASSAT	0 PASTINACA SATIVA	5 UPL	Ad B-Forb	WILD PARSNIP
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
PLARUG	0 Plantago rugelii	0 FAC	Nt A-Forb	RED-STALKED PLANTAIN
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB

PRUVLA	0	Prunella vulgaris lanceolata	3 [FACU]	Nt P-Forb	SELF HEAL
RHURAD	2	Rhus radicans	-1 FAC+	Nt W-Vine	POISON IVY
RUMCRI	0	RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SALINT	1	Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SAMCAN	1	Sambucus canadensis	-2 FACW-	Nt Shrub	ELDERBERRY
SOLALT	1	Solidago altissima	3 FACU	Nt P-Forb	TALL GOLDENROD
TRIREF	0	TRIFOLIUM REPENS	2 FACU+	Ad P-Forb	WHITE CLOVER
VIOSOR	3	Viola sororia	1 FAC-	Nt P-Forb	COMMON BLUE VIOLET
VITRIP	2	Vitis riparia	-2 FACW-	Nt W-Vine	RIVERBANK GRAPE

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: R. West						Date: 10/02/08 County: Will State: Illinois Community ID: PEM Station ID: WS06NE-2b Plot ID: NA																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Western tip of tiled waterway with two large (>5ft deep) blowouts 6x10. No soil core taken Open channel is narrow and filled with old farm equip and cattle skeletons.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Acer negundo</i></td><td>FACW-</td><td>TREE</td><td>20</td></tr> <tr><td>2. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>30</td></tr> <tr><td>3. <i>Bidens frondosa</i></td><td>FACW</td><td>HERB</td><td>20</td></tr> <tr><td>4. <i>Pilea pumila</i></td><td>UPL</td><td>HERB</td><td>30</td></tr> <tr><td>5. <i>Polygonum persicaria</i></td><td>FACW</td><td>HERB</td><td>5</td></tr> <tr><td>6. <i>Panicum dichotomiflorum</i></td><td>FACW-</td><td>HERB</td><td>5</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Acer negundo</i>	FACW-	TREE	20	2. <i>Daucus carota</i>	UPL	HERB	30	3. <i>Bidens frondosa</i>	FACW	HERB	20	4. <i>Pilea pumila</i>	UPL	HERB	30	5. <i>Polygonum persicaria</i>	FACW	HERB	5	6. <i>Panicum dichotomiflorum</i>	FACW-	HERB	5	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>5</td></tr> <tr><td>8. <i>Ambrosia trifida</i></td><td>FAC+</td><td>HERB</td><td>5</td></tr> <tr><td>9. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>5</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. <i>Echinochloa crusgalli</i>	FACW	HERB	5	8. <i>Ambrosia trifida</i>	FAC+	HERB	5	9. <i>Bromus inermis</i>	UPL	HERB	5	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Acer negundo</i>	FACW-	TREE	20																																																												
2. <i>Daucus carota</i>	UPL	HERB	30																																																												
3. <i>Bidens frondosa</i>	FACW	HERB	20																																																												
4. <i>Pilea pumila</i>	UPL	HERB	30																																																												
5. <i>Polygonum persicaria</i>	FACW	HERB	5																																																												
6. <i>Panicum dichotomiflorum</i>	FACW-	HERB	5																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. <i>Echinochloa crusgalli</i>	FACW	HERB	5																																																												
8. <i>Ambrosia trifida</i>	FAC+	HERB	5																																																												
9. <i>Bromus inermis</i>	UPL	HERB	5																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 50% Remarks: Hydrophytic vegetation is dominant.																																																															
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)				Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																											
Remarks: Wetland hydrology is present. NRCS ID and dominant vegetation																																																															
SOILS																																																															
Map Unit Name: Ashkum silty clay loam Taxonomy (Subgroup): Typic Endoaquolls				Series Drainage Class: Poorly drained Field Observations Confirm Mapped Type? _____ * Yes _____ No																																																											
Profile Description:																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Hydric Soil Indicators ² :																																																															
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat				_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions				Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																							
Remarks: Hydric soils are mapped. No soil core taken,																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Hydric Soils Present? <input type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Remarks: This plot is located in a wetland. No soil core taken.																																																															

Site: Inaugural South Suburban Airport
 Locale: WS06NE3
 Date: September 25, 2008 1 hours
 By: AECOM: S. Johnson; T. Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS06NE3.inv

FLORISTIC QUALITY DATA	Native	24	72.7%	Adventive	9	27.3%
24 NATIVE SPECIES	Tree	3	9.1%	Tree	2	6.1%
33 Total Species	Shrub	4	12.1%	Shrub	1	3.0%
2.1 NATIVE MEAN C	W-Vine	2	6.1%	W-Vine	0	0.0%
1.5 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
10.2 NATIVE FQI	P-Forb	8	24.2%	P-Forb	0	0.0%
8.7 W/Adventives	B-Forb	1	3.0%	B-Forb	1	3.0%
-1.1 NATIVE MEAN W	A-Forb	4	12.1%	A-Forb	2	6.1%
-0.5 W/Adventives	P-Grass	1	3.0%	P-Grass	2	6.1%
AVG: Faculative (+)	A-Grass	1	3.0%	A-Grass	1	3.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACENEG	0 Acer negundo	-2 FACW-	Nt Tree	BOX ELDER
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
APOCAN	4 Apocynum cannabinum	0 FAC	Nt P-Forb	INDIAN HEMP
ASTLAT	4 Aster lateriflorus	-2 FACW-	Nt P-Forb	SIDE-FLOWERING ASTER
ASTPIL	0 Aster pilosus	2 FACU+	Nt P-Forb	HAIRY ASTER
BIDCON	5 Bidens connata	-5 OBL	Nt A-Forb	PURPLE-STEMMED TICKSEED
CORSTO	6 Cornus stolonifera	-3 FACW	Nt Shrub	RED-OSIER DOGWOOD
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
ELYVIR	4 Elymus virginicus	-2 FACW-	Nt P-Grass	VIRGINIA WILD RYE
FRAPES	1 Fraxinus pennsylvanica subintegerrima	0 FAC	Nt Tree	GREEN ASH
GEUCAN	1 Geum canadense	0 FAC	Nt P-Forb	WOOD AVENS
GEULAT	2 Geum laciniatum trichocarpum	-3 FACW	Nt P-Forb	ROUGH AVENS
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN
HACVIR	0 Hackelia virginiana	1 FAC-	Nt B-Forb	STICKSEED
IPOHED	0 IPOMOEAE HEDERACEA	0 FAC	Ad A-Forb	IVY-LEAVED MORNING GLORY
LACSER	0 LACTUCA SERRIOLA	0 FAC	Ad B-Forb	PRICKLY LETTUCE
LONTAT	0 LONICERA TATARICA	5 [UPL]	Ad Shrub	TARTARIAN HONEYSUCKLE
MORALB	0 MORUS ALBA	0 FAC	Ad Tree	WHITE MULBERRY
PARQUI	2 Parthenocissus quinquefolia	1 FAC-	Nt W-Vine	VIRGINIA CREEPER
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
PILPUM	5 Pilea pumila	-3 FACW	Nt A-Forb	CLEARWEED
POAPRA	0 POA PRATENSIS	1 FAC-	Ad P-Grass	KENTUCKY BLUE GRASS
POLLAP	0 Polygonum lapathifolium	-4 FACW+	Nt A-Forb	HEARTSEASE
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
RHURAD	2 Rhus radicans	-1 FAC+	Nt W-Vine	POISON IVY
RUBOCC	2 Rubus occidentalis	5 UPL	Nt Shrub	BLACK RASPBERRY

SALFRA	0	SALIX FRAGILIS	-1	FAC+	Ad Tree	CRACK WILLOW
SALINT	1	Salix interior	-5	OBL	Nt Shrub	SANDBAR WILLOW
SAMCAN	1	Sambucus canadensis	-2	FACW-	Nt Shrub	ELDERBERRY
SECCER	0	SECALE CEREALE	5	UPL	Ad A-Grass	RYE
SOLALT	1	Solidago altissima	3	FACU	Nt P-Forb	TALL GOLDENROD
SOLGIG	4	Solidago gigantea	-3	FACW	Nt P-Forb	LATE GOLDENROD
VIOSOR	3	Viola sororia	1	FAC-	Nt P-Forb	COMMON BLUE VIOLET

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz	Date: 09/25/08 County: Will State: Illinois Community ID: Wetland Complex Station ID: WS06NE-3 Plot ID: S1
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	

Remarks: --

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover
1. <i>Ambrosia artemisiifolia</i>	FACU	HERB	10		7. <i>Populus deltoides</i>	FAC+	TREE	10
2. <i>Bromus inermis</i>	UPL	HERB	20		8. <i>Carex lacustris</i>	OBL	HERB	5
3. <i>Salix exigua</i>	OBL	SHRUB	10		9. <i>Vitis riparia</i>	FACW-	VINE	5
4. <i>Phalaris arundinacea</i>	FACW+	HERB	25		10. --	--	--	--
5. <i>Aster lateriflorus</i>	FACW-	HERB	5		11. --	--	--	--
6. <i>Bidens frondosa</i>	FACW	HERB	5		12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **80%**

Remarks: **Hydrophytic vegetation is dominant.**

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)	Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
---	--

Remarks: **Wetland hydrology is present.**

SOILS

Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes				Series Drainage Class: Poorly drained				
Taxonomy (Subgroup): Typic Endoaquolls				Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Profile Description:								
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.		
0	7	Ap	10YR 3/2	NA NA	NA NA	silty clay loam, moist, friable		
7	9	O	10YR 3/1	10YR 5/8	few distinct	mucky silt loam, moist, friable		
9	16	A	10YR 3/2	10YR 5/4	few distinct	organics silty clay loam, moist, friable		
16	23	B	10YR 5/2	10YR 5/8	common distinct	clay, moist, very friable		

Hydric Soil Indicators²:

Indicators for Problematic Hydric Soils¹:

- _____ (A1) Histosol
- _____ (A2) Histic Epipedon
- _____ (A3) Black Histic
- _____ (A4) Hydrogen Sulfide
- _____ (A5) Stratified Layers
- _____ (A10) 2 cm Muck
- _____ (A11) Depleted Below Dark Surface
- _____ (A12) Thick Dark Surface
- _____ (S1) Sandy Mucky Mineral
- _____ (S3) 5 cm Mucky Peat or Peat

- _____ (S4) Sandy Gleyed Matrix
- _____ (S5) Sandy Redox
- _____ (S6) Stripped Matrix
- _____ (F1) Loamy Mucky Mineral
- _____ (F2) Loamy Gleyed Matrix
- _____ (F3) Depleted Matrix
- ☒ (F6) Redox Dark Surface
- _____ (F7) Depleted Dark Surface
- _____ (F8) Redox Depressions

- _____ (A16) Coast Prairie Redox
- _____ (F12) Iron-Manganese Masses
- _____ Other (Explain in Remarks)

¹Indicators of hydrophytic vegetation and wetland hydrology must be present.

²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)

Remarks: **Hydric soils are present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
---	---

Remarks: **This plot is located in wetland.**

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 09/25/08 County: Will State: Illinois Community ID: Upland Station ID: WS06NE-3 Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)																																																																	
Remarks: Plot is located in an agricultural field. Evidence of recent heavy rain events, erosion present on hillside.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>70</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	70	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	70																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																																											
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)																																																																	
Remarks: Wetland hydrology is not present.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																																	
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	6	Ap	10YR 3/2	10YR 5/6	few faint	gravelly clay loam, moist, friable																																																											
6	22	A	10YR 5/2	10YR 5/8	common distinct	Fe concretions clay, moist, friable																																																											
Hydric Soil Indicators ² : <table style="width:100%;"> <tr> <td style="width:50%;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck X _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width:50%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix X _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> </tr> </table>										_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck X _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix X _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																						
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck X _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix X _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																																
						Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																											
						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No				Hydric Soils Present? _____ X Yes _____ No																																																													
Wetland Hydrology Present? _____ Yes _____ X No				Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																													
Remarks: This plot is not located in wetland. Hydric soils are present at this plot, but can be considered relict due to agricultural practices in the area. Wetland hydrology has been altered significantly. Also, recent rain events have caused erosion in the area and may be responsible for stripping topsoils along steep slopes.																																																																	

Site: Inaugural South Suburban Airport
 Locale: WS06NE5
 Date: September 25, 2008 15 minutes
 By: AECOM: S. Johnson; T.Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS06NE5.inv

FLORISTIC QUALITY DATA	Native	0	0.0%	Adventive	1	100.0%
0 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
1 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
0.0 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
0.0 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
0.0 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
0.0 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	1	100.0%
5.0 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Faculative	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																										
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 09/25/08 County: Will State: Illinois Community ID: FW Station ID: WS06NE-5 Plot ID: S1																																																				
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Plot is located in an agricultural field.																																																				
VEGETATION																																																										
Dominant Species (50/20 Rule)																																																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Species Name</th> <th style="text-align: left; padding: 2px;">Ind. Status</th> <th style="text-align: left; padding: 2px;">Stratum</th> <th style="text-align: left; padding: 2px;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. Glycine max</td> <td>UPL</td> <td>HERB</td> <td>70</td> </tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	70	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Species Name</th> <th style="text-align: left; padding: 2px;">Ind. Status</th> <th style="text-align: left; padding: 2px;">Stratum</th> <th style="text-align: left; padding: 2px;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>		Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																							
1. Glycine max	UPL	HERB	70																																																							
2. --	--	--	--																																																							
3. --	--	--	--																																																							
4. --	--	--	--																																																							
5. --	--	--	--																																																							
6. --	--	--	--																																																							
Species Name	Ind. Status	Stratum	% Cover																																																							
7. --	--	--	--																																																							
8. --	--	--	--																																																							
9. --	--	--	--																																																							
10. --	--	--	--																																																							
11. --	--	--	--																																																							
12. --	--	--	--																																																							
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant. Agricultural field; normal circumstances are not present.																																																										
HYDROLOGY																																																										
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines X Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches X Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																					
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: 20 (in.)					Remarks: Wetland hydrology is present.																																																					
SOILS																																																										
Map Unit Name: Peotone silty clay loam, 0 to 2 percent slopes Series Drainage Class: Very poorly drained Taxonomy (Subgroup): Cumulic Vertic Endoaquoll Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																										
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">13</td> <td style="text-align: center;">Ap</td> <td style="text-align: center;">10YR 3/1</td> <td style="text-align: center;">N 4/1 10YR 4/4</td> <td style="text-align: center;">few faint</td> <td style="text-align: center;">slight decay odor, organics silty clay, moist, friable</td> </tr> <tr> <td style="text-align: center;">13</td> <td style="text-align: center;">23</td> <td style="text-align: center;">A</td> <td style="text-align: center;">10YR 2/1</td> <td style="text-align: center;">5Y 4/6</td> <td style="text-align: center;">common distinct</td> <td style="text-align: center;">mucky silty clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	13	Ap	10YR 3/1	N 4/1 10YR 4/4	few faint	slight decay odor, organics silty clay, moist, friable	13	23	A	10YR 2/1	5Y 4/6	common distinct	mucky silty clay loam, moist, friable																												
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																				
0	13	Ap	10YR 3/1	N 4/1 10YR 4/4	few faint	slight decay odor, organics silty clay, moist, friable																																																				
13	23	A	10YR 2/1	5Y 4/6	common distinct	mucky silty clay loam, moist, friable																																																				
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic X _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix X _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																				
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																				
WETLAND DETERMINATION																																																										
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ X Yes _____ No					Hydric Soils Present? _____ X Yes _____ No Is This Sampling Point Within A Wetland? _____ X Yes _____ No																																																					
Remarks: This plot is located in a wetland. *Normal circumstances not present, under normal circumstances it is expected that this area would have wetland vegetation.																																																										

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport	Date: 99/25/08
Applicant/Owner: Illinois Department of Transportation	County: Will
Investigator #1: Sarah Johnson #2: Tory Schultz	State: Illinois
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Community ID: Upland
Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Station ID: WS06NE-5
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	Plot ID: S2

Remarks: **This plot is located in an agricultural field.**

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover
1. Glycine max	UPL	HERB	70		7. --	--	--	--
2. --	--	--	--		8. --	--	--	--
3. --	--	--	--		9. --	--	--	--
4. --	--	--	--		10. --	--	--	--
5. --	--	--	--		11. --	--	--	--
6. --	--	--	--		12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **0%**

Remarks: **Hydrophytic vegetation is not dominant.**

HYDROLOGY

<p><input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):</p> <p style="margin-left: 20px;"><input type="checkbox"/> Stream, Lake, Or Tide Gauge</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> Aerial Photos</p> <p style="margin-left: 20px;"><input type="checkbox"/> Other (Describe in Remarks)</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> None</p> <p>Primary Indicators:</p> <p style="margin-left: 20px;"><input type="checkbox"/> Inundated</p> <p style="margin-left: 20px;"><input type="checkbox"/> Saturated in Upper 12 Inches</p> <p style="margin-left: 20px;"><input type="checkbox"/> Water Marks</p> <p style="margin-left: 20px;"><input type="checkbox"/> Drift Lines</p> <p style="margin-left: 20px;"><input type="checkbox"/> Sediment Deposits</p> <p style="margin-left: 20px;"><input type="checkbox"/> Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or More Required):</p> <p style="margin-left: 20px;"><input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches</p> <p style="margin-left: 20px;"><input type="checkbox"/> Water-Stained Leaves</p> <p style="margin-left: 20px;"><input type="checkbox"/> Local Soil Survey Data</p> <p style="margin-left: 20px;"><input type="checkbox"/> FAC-Neutral Test</p> <p style="margin-left: 20px;"><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p style="margin-left: 40px;">Depth of Surface Water: NA (in.)</p> <p style="margin-left: 40px;">Depth to Free Water: NA (in.)</p> <p style="margin-left: 40px;">Depth to Saturated Soil: NA (in.)</p>	

Remarks: **Wetland hydrology is not present.**

SOILS

Map Unit Name: Ozaukee silt loam, 4 to 6 percent slopes, eroded Series Drainage Class: Moderately well drained									
Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
Profile Description:									
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
0	3	Ap	10YR 4/2	NA NA	NA NA	silt loam, moist, friable			
3	7	A	10YR 4/2	10YR 5/6	common distinct	silty clay loam, moist, friable			
7	23	B	10YR 5/1	10Y 6/1	common distinct	clay, moist, friable			

Hydric Soil Indicators²:

Indicators for Problematic Hydric Soils¹:

- ☐ (A1) Histosol
- ☐ (A2) Histic Epipedon
- ☐ (A3) Black Histic
- ☐ (A4) Hydrogen Sulfide
- ☐ (A5) Stratified Layers
- ☐ (A10) 2 cm Muck
- ☐ (A11) Depleted Below Dark Surface
- ☐ (A12) Thick Dark Surface
- ☐ (S1) Sandy Mucky Mineral
- ☐ (S3) 5 cm Mucky Peat or Peat

- ☐ (S4) Sandy Gleyed Matrix
- ☐ (S5) Sandy Redox
- ☐ (S6) Stripped Matrix
- ☐ (F1) Loamy Mucky Mineral
- ☐ (F2) Loamy Gleyed Matrix
- ☐ (F3) Depleted Matrix
- ☐ (F6) Redox Dark Surface
- ☐ (F7) Depleted Dark Surface
- ☐ (F8) Redox Depressions

- ☐ (A16) Coast Prairie Redox
- ☐ (F12) Iron-Manganese Masses
- ☐ Other (Explain in Remarks)

¹Indicators of hydrophytic vegetation and wetland hydrology must be present.

²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)

Remarks: **Hydric soils are not present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Remarks: **This plot is not located in a wetland.**

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 09/25/08 County: Will State: Illinois Community ID: Upland Station ID: WS06NE-7 Plot ID: NA																																																																									
Do Normal Circumstances Exist On The Site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Site Significantly Disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Area A Potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If yes, define below.)																																																																															
Remarks: This plot is located in an agricultural field where recent rainfalls have caused significant erosion. NRCS slide review site																																																																															
VEGETATION																																																																															
Dominant Species (50/20 Rule)																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> <th style="width:10%;"></th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>70</td><td></td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		1. Glycine max	UPL	HERB	70		2. --	--	--	--		3. --	--	--	--		4. --	--	--	--		5. --	--	--	--		6. --	--	--	--		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> <th style="width:10%;"></th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		7. --	--	--	--		8. --	--	--	--		9. --	--	--	--		10. --	--	--	--		11. --	--	--	--		12. --	--	--	--	
Species Name	Ind. Status	Stratum	% Cover																																																																												
1. Glycine max	UPL	HERB	70																																																																												
2. --	--	--	--																																																																												
3. --	--	--	--																																																																												
4. --	--	--	--																																																																												
5. --	--	--	--																																																																												
6. --	--	--	--																																																																												
Species Name	Ind. Status	Stratum	% Cover																																																																												
7. --	--	--	--																																																																												
8. --	--	--	--																																																																												
9. --	--	--	--																																																																												
10. --	--	--	--																																																																												
11. --	--	--	--																																																																												
12. --	--	--	--																																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):					0%																																																																										
Remarks: Hydrophytic vegetation is not present.																																																																															
HYDROLOGY																																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																																										
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																															
Remarks: Wetland hydrology is not present.																																																																															
SOILS																																																																															
Map Unit Name: Ozaukee silty clay loam, 4 to 6 percent slopes, severely er Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? no soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																																															
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;">Top</th> <th style="width:5%;">Bottom</th> <th style="width:10%;">Horizon</th> <th style="width:10%;">Matrix Color (Munsell Moist):</th> <th style="width:10%;">Mottle Colors (Munsell Moist):</th> <th style="width:10%;">Mottle Abundance/Contrast</th> <th style="width:50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																									
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																									
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																									
Remarks: No hydric soils mapped. Crop does not show signs of stress and hydrology not present, so no soil core taken.																																																																															
WETLAND DETERMINATION																																																																															
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																										
Remarks: This plot is not located in a wetland. * No soil core collected.																																																																															

Site: SSA Inaugural Delineation
 Locale: WS06NW1
 Date: October 2, 2008 1 hours
 By: AECOM: T.Radke; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS06NW1.inv

FLORISTIC QUALITY DATA	Native	8	38.1%	Adventive	13	61.9%
8 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
21 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
2.1 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.8 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
6.0 NATIVE FQI	P-Forb	4	19.0%	P-Forb	5	23.8%
3.7 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
0.6 NATIVE MEAN W	A-Forb	3	14.3%	A-Forb	2	9.5%
1.1 W/Adventives	P-Grass	0	0.0%	P-Grass	5	23.8%
AVG: Faculative (-)	A-Grass	1	4.8%	A-Grass	1	4.8%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
AMBARE	0 Ambrosia artemisiifolia elatior	3 FACU	Nt A-Forb	COMMON RAGWEED
ASTERI	5 Aster ericoides	4 FACU-	Nt P-Forb	HEATH ASTER
CHEALB	0 CHENOPODIUM ALBUM	1 FAC-	Ad A-Forb	LAMB'S QUARTERS
CIRARV	0 CIRSIUM ARVENSE	5 UPL	Ad P-Forb	FIELD THISTLE
DACGLO	0 DACTYLIS GLOMERATA	3 FACU	Ad P-Grass	ORCHARD GRASS
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
FESELA	0 FESTUCA ELATIOR	2 FACU+	Ad P-Grass	TALL FESCUE
FRAVIR	1 Fragaria virginiana	1 FAC-	Nt P-Forb	WILD STRAWBERRY
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
HORJUB	0 HORDEUM JUBATUM	-1 FAC+	Ad P-Grass	SQUIRREL-TAIL GRASS
MEDSAT	0 MEDICAGO SATIVA	5 UPL	Ad P-Forb	ALFALFA
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
PHLPRA	0 PHLEUM PRATENSE	3 FACU	Ad P-Grass	TIMOTHY
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
POLRAM	5 Polygonum ramosissimum	1 FAC-	Nt A-Forb	BUSHY KNOTWEED
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
SOLNEM	4 Solidago nemoralis	5 UPL	Nt P-Forb	OLD-FIELD GOLDENROD
TAROFF	0 TARAXACUM OFFICINALE	3 FACU	Ad P-Forb	COMMON DANDELION
TRIREP	0 TRIFOLIUM REPENS	2 FACU+	Ad P-Forb	WHITE CLOVER

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: R. West						Date: 10/02/08 County: Will State: Illinois Community ID: FW Station ID: WS06NW-1 Plot ID: S1																																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? _____ Yes _____ <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Depression in hayfield; Vegetation parameter altered; This area was identified during previous studies and during the NRCS aerial review.																																																																									
VEGETATION Dominant Species (50/20 Rule)																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>25</td></tr> <tr><td>2. <i>Setaria glauca</i></td><td>FAC</td><td>HERB</td><td>30</td></tr> <tr><td>3. <i>Polygonum ramosissimum</i></td><td>FAC-</td><td>HERB</td><td>20</td></tr> <tr><td>4. <i>Festuca elatior</i></td><td>UPL</td><td>HERB</td><td>30</td></tr> <tr><td>5. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>5</td></tr> <tr><td>6. <i>Rumex crispus</i></td><td>FAC+</td><td>HERB</td><td>5</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Echinochloa crusgalli</i>	FACW	HERB	25	2. <i>Setaria glauca</i>	FAC	HERB	30	3. <i>Polygonum ramosissimum</i>	FAC-	HERB	20	4. <i>Festuca elatior</i>	UPL	HERB	30	5. <i>Phalaris arundinacea</i>	FACW+	HERB	5	6. <i>Rumex crispus</i>	FAC+	HERB	5	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--																
Species Name	Ind. Status	Stratum	% Cover																																																																												
1. <i>Echinochloa crusgalli</i>	FACW	HERB	25																																																																												
2. <i>Setaria glauca</i>	FAC	HERB	30																																																																												
3. <i>Polygonum ramosissimum</i>	FAC-	HERB	20																																																																												
4. <i>Festuca elatior</i>	UPL	HERB	30																																																																												
5. <i>Phalaris arundinacea</i>	FACW+	HERB	5																																																																												
6. <i>Rumex crispus</i>	FAC+	HERB	5																																																																												
Species Name	Ind. Status	Stratum	% Cover																																																																												
7. --	--	--	--																																																																												
8. --	--	--	--																																																																												
9. --	--	--	--																																																																												
10. --	--	--	--																																																																												
11. --	--	--	--																																																																												
12. --	--	--	--																																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 66% Remarks: Hydrophytic vegetation is dominant.																																																																															
HYDROLOGY																																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																																										
Remarks: Wetland hydrology is present. NRCS ID. Depression in ag field																																																																															
SOILS																																																																															
Map Unit Name: Ashkum silty clay loam Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ <input checked="" type="checkbox"/> Yes _____ No																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Profile Description:</th> <th colspan="2">Matrix Color</th> <th colspan="2">Mottle Colors</th> <th colspan="2">Mottle</th> <th colspan="2">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>(Munsell Moist):</th> <th>(Munsell Moist):</th> <th>Abundance/Contrast</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>19</td> <td>A1</td> <td>10YR</td> <td>2/1</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>Silty clay loam; moist, friable</td> </tr> <tr> <td>19</td> <td>21</td> <td>A2</td> <td>10YR</td> <td>3/1</td> <td>10YR</td> <td>2/1</td> <td>common</td> <td>faint</td> <td>Silty clay loam; moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Profile Description:		Matrix Color		Mottle Colors		Mottle		Texture, moisture, consistency, organic material, and other soil characteristics.		Top Depth	Bottom Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast					0	19	A1	10YR	2/1	NA	NA	NA	NA	Silty clay loam; moist, friable	19	21	A2	10YR	3/1	10YR	2/1	common	faint	Silty clay loam; moist, friable																														
Profile Description:		Matrix Color		Mottle Colors		Mottle		Texture, moisture, consistency, organic material, and other soil characteristics.																																																																							
Top Depth	Bottom Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast																																																																										
0	19	A1	10YR	2/1	NA	NA	NA	NA	Silty clay loam; moist, friable																																																																						
19	21	A2	10YR	3/1	10YR	2/1	common	faint	Silty clay loam; moist, friable																																																																						
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																																										
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																															
Remarks: Hydric soils are present. Unit resembles hydric Ashkum silty clay loam; dark matrix masks redox.																																																																															
WETLAND DETERMINATION																																																																															
Hydrophytic Vegetation Present? _____ <input checked="" type="checkbox"/> Yes _____ No Wetland Hydrology Present? _____ <input checked="" type="checkbox"/> Yes _____ No					Hydric Soils Present? _____ <input checked="" type="checkbox"/> Yes _____ No Is This Sampling Point Within A Wetland? _____ <input checked="" type="checkbox"/> Yes _____ No																																																																										
Remarks: This plot is located in a wetland.																																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R. West						Date: 10/02/08 County: Will State: Illinois Community ID: Upland Station ID: WS06NW-1 Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Hayfield																																																											
Remarks: Hayfield																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Trifolium pratense</i></td><td>FACU+</td><td>HERB</td><td>37</td></tr> <tr><td>2. <i>Taraxacum officinale</i></td><td>FACU</td><td>HERB</td><td>8</td></tr> <tr><td>3. <i>Setaria glauca</i></td><td>FAC</td><td>HERB</td><td>30</td></tr> <tr><td>4. <i>Dactylis glomerata</i></td><td>FACU</td><td>HERB</td><td>24</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Trifolium pratense</i>	FACU+	HERB	37	2. <i>Taraxacum officinale</i>	FACU	HERB	8	3. <i>Setaria glauca</i>	FAC	HERB	30	4. <i>Dactylis glomerata</i>	FACU	HERB	24	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Trifolium pratense</i>	FACU+	HERB	37																																																														
2. <i>Taraxacum officinale</i>	FACU	HERB	8																																																														
3. <i>Setaria glauca</i>	FAC	HERB	30																																																														
4. <i>Dactylis glomerata</i>	FACU	HERB	24																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 33%						Remarks: Hydrophytic vegetation is not dominant.																																																											
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)				Remarks: Wetland hydrology is not present.																																																													
Remarks: Wetland hydrology is not present.																																																																	
SOILS																																																																	
Map Unit Name: Beecher silt loam						Series Drainage Class: Somewhat poorly drained																																																											
Taxonomy (Subgroup): Udolic Epiaqualfs						Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	10	A	10YR 3/1	10YR 5/3	common distinct	Silty clay loam; moist friable; some gravel																																																											
10	21	B	10YR 5/2	10YR 5/6	common many prominent	Silty clay; moist, firm																																																											
Hydric Soil Indicators ² :						Indicators for Problematic Hydric Soils ¹ :																																																											
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat			_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions			_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
Remarks: Hydric soils are not present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																											
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																											
Remarks: This plot is not located in wetland.																																																																	

Site: Inaugural South Suburban Airport
 Locale: WS06NW2
 Date: September 26, 2008 1 hours
 By: AECOM: S.Johnson; T. Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS06NW2.inv

FLORISTIC QUALITY DATA	Native	16	51.6%	Adventive	15	48.4%
16 NATIVE SPECIES	Tree	2	6.5%	Tree	1	3.2%
31 Total Species	Shrub	2	6.5%	Shrub	1	3.2%
1.7 NATIVE MEAN C	W-Vine	1	3.2%	W-Vine	0	0.0%
0.9 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
6.8 NATIVE FQI	P-Forb	5	16.1%	P-Forb	2	6.5%
4.8 W/Adventives	B-Forb	0	0.0%	B-Forb	2	6.5%
-1.4 NATIVE MEAN W	A-Forb	3	9.7%	A-Forb	3	9.7%
0.2 W/Adventives	P-Grass	0	0.0%	P-Grass	4	12.9%
AVG: Faculative (+)	A-Grass	2	6.5%	A-Grass	2	6.5%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	1	3.2%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACESAI	0 Acer saccharinum	-3 FACW	Nt Tree	SILVER MAPLE
AMBARE	0 Ambrosia artemisiifolia elatior	3 FACU	Nt A-Forb	COMMON RAGWEED
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ASTNOV	4 Aster novae-angliae	-3 FACW	Nt P-Forb	NEW ENGLAND ASTER
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
AVESAT	0 AVENA SATIVA	5 UPL	Ad A-Grass	OATS
BROINE	0 BROMUS INERMIS	5 UPL	Ad P-Grass	HUNGARIAN BROME
CHEALB	0 CHENOPODIUM ALBUM	1 FAC-	Ad A-Forb	LAMB'S QUARTERS
CIRVUL	0 CIRSIUM VULGARE	4 FACU-	Ad B-Forb	BULL THISTLE
COROBL	6 Cornus obliqua	-4 FACW+	Nt Shrub	BLUE-FRUITED DOGWOOD
CYPRIV	4 Cyperus rivularis	-4 FACW+	Nt A-Sedge	BROOK NUT SEDGE
DAUCAR	0 DAUCUS CAROTA	5 UPL	Ad B-Forb	QUEEN ANNE'S LACE
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
FESELA	0 FESTUCA ELATIOR	2 FACU+	Ad P-Grass	TALL FESCUE
FRAVIR	1 Fragaria virginiana	1 FAC-	Nt P-Forb	WILD STRAWBERRY
GEULAT	2 Geum laciniatum trichocarpum	-3 FACW	Nt P-Forb	ROUGH AVENS
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN
IPOHED	0 IPOMOEIA HEDERACEA	0 FAC	Ad A-Forb	IVY-LEAVED MORNING GLORY
PANDII	0 Panicum dichotomiflorum	-2 FACW-	Nt A-Grass	KNEE GRASS
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POACOM	0 POA COMPRESSA	2 FACU+	Ad P-Grass	CANADA BLUE GRASS
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
RHAFRA	0 RHAMNUS FRANGULA	-1 FAC+	Ad Shrub	GLOSSY BUCKTHORN
RHURAD	2 Rhus radicans	-1 FAC+	Nt W-Vine	POISON IVY
RUBOCC	2 Rubus occidentalis	5 UPL	Nt Shrub	BLACK RASPBERRY

SALFRA	0	SALIX FRAGILIS	-1	FAC+	Ad Tree	CRACK WILLOW
SETFAB	0	SETARIA FABERI	2	FACU+	Ad A-Grass	GIANT FOXTAIL
SOLALT	1	Solidago altissima	3	FACU	Nt P-Forb	TALL GOLDENROD
SONARV	0	SONCHUS ARVENSIS	1	FAC-	Ad P-Forb	FIELD SOW THISTLE
TAROFF	0	TARAXACUM OFFICINALE	3	FACU	Ad P-Forb	COMMON DANDELION

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport						Date: 09/25/08																																																											
Applicant/Owner: Illinois Department of Transportation						County: Will																																																											
Investigator #1: Sarah Johnson #2: Tory Schultz						State: Illinois																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Community ID: Wetland Complex Station ID: WS06NW-2 Plot ID: S1																																																											
Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Site is located on a hilltop and may be spring fed and probably tiled																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>15</td></tr> <tr><td>2. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>40</td></tr> <tr><td>3. <i>Panicum dichotomiflorum</i></td><td>FACW</td><td>HERB</td><td>15</td></tr> <tr><td>4. <i>Salix fragilis</i></td><td>FAC+</td><td>TREE</td><td>7</td></tr> <tr><td>5. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>5</td></tr> <tr><td>6. <i>Cyperus rivularis</i></td><td>OBL</td><td>HERB</td><td>10</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Echinochloa crusgalli</i>	FACW	HERB	15	2. <i>Phalaris arundinacea</i>	FACW+	HERB	40	3. <i>Panicum dichotomiflorum</i>	FACW	HERB	15	4. <i>Salix fragilis</i>	FAC+	TREE	7	5. <i>Bromus inermis</i>	UPL	HERB	5	6. <i>Cyperus rivularis</i>	OBL	HERB	10	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Aster simplex</i></td><td>FACW</td><td>HERB</td><td>5</td></tr> <tr><td>8. <i>Poa compressa</i></td><td>FACU+</td><td>HERB</td><td>10</td></tr> <tr><td>9. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>5</td></tr> <tr><td>10. <i>Populus deltoides</i></td><td>FAC+</td><td>TREE</td><td>5</td></tr> <tr><td>11. <i>Solidago gigantea</i></td><td>FACW</td><td>HERB</td><td>2</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. <i>Aster simplex</i>	FACW	HERB	5	8. <i>Poa compressa</i>	FACU+	HERB	10	9. <i>Setaria faberi</i>	FACU+	HERB	5	10. <i>Populus deltoides</i>	FAC+	TREE	5	11. <i>Solidago gigantea</i>	FACW	HERB	2	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Echinochloa crusgalli</i>	FACW	HERB	15																																																														
2. <i>Phalaris arundinacea</i>	FACW+	HERB	40																																																														
3. <i>Panicum dichotomiflorum</i>	FACW	HERB	15																																																														
4. <i>Salix fragilis</i>	FAC+	TREE	7																																																														
5. <i>Bromus inermis</i>	UPL	HERB	5																																																														
6. <i>Cyperus rivularis</i>	OBL	HERB	10																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Aster simplex</i>	FACW	HERB	5																																																														
8. <i>Poa compressa</i>	FACU+	HERB	10																																																														
9. <i>Setaria faberi</i>	FACU+	HERB	5																																																														
10. <i>Populus deltoides</i>	FAC+	TREE	5																																																														
11. <i>Solidago gigantea</i>	FACW	HERB	2																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%																																																																	
Remarks: Hydrophytic vegetation is dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: 21 (in.)																																																																	
Remarks: Wetland hydrology is present.																																																																	
SOILS																																																																	
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained																																																																	
Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	6	Ap	10YR 3/2	NA NA	NA NA	mucky silt loam, moist, friable																																																											
6	22	B	5GY 6/1	10YR 6/6	common distinct	clay, moist, friable																																																											
Hydric Soil Indicators ² :																																																																	
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat					<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																												
					Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																												
					¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																												
					² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																												
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 09/26/08 County: Will State: Illinois Community ID: Upland Station ID: WS06NW-2 Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: This plot is located in an agricultural field.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>70</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	70	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	70																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present.																																																																	
SOILS																																																																	
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>8</td> <td>Ap</td> <td>10YR 3/1</td> <td>10YR 5/2</td> <td>few distinct</td> <td>mixed layer silty clay loam, moist, friable</td> </tr> <tr> <td>8</td> <td>21</td> <td>A</td> <td>10YR 5/2</td> <td>10YR 5/8</td> <td>few distinct</td> <td>mixed layer clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	8	Ap	10YR 3/1	10YR 5/2	few distinct	mixed layer silty clay loam, moist, friable	8	21	A	10YR 5/2	10YR 5/8	few distinct	mixed layer clay loam, moist, friable																																			
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	8	Ap	10YR 3/1	10YR 5/2	few distinct	mixed layer silty clay loam, moist, friable																																																											
8	21	A	10YR 5/2	10YR 5/8	few distinct	mixed layer clay loam, moist, friable																																																											
Hydric Soil Indicators ² : <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																											
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located within a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R. West						Date: 10/01/08 County: Will State: Illinois Community ID: Upland Station ID: WS06NW-3a Plot ID: SC-1																																																																		
Do Normal Circumstances Exist On The Site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Site Significantly Disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is The Area A Potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If yes, define below.)																																																																								
Remarks: Cropfield; vegetation parameter altered and area tiled. Field tiles deteriorating																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"><i>Species Name</i></th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 15%;"><i>Species Name</i></th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Glycine max</i></td> <td>UPL</td> <td>HERB</td> <td>50</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Ambrosia artemisiifolia</i></td> <td>FACU</td> <td>HERB</td> <td>25</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Rumex crispus</i></td> <td>FAC+</td> <td>HERB</td> <td>35</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Setaria faberi</i></td> <td>FACU+</td> <td>HERB</td> <td>35</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										<i>Species Name</i>	Ind. Status	Stratum	% Cover		<i>Species Name</i>	Ind. Status	Stratum	% Cover	1. <i>Glycine max</i>	UPL	HERB	50		7. --	--	--	--	2. <i>Ambrosia artemisiifolia</i>	FACU	HERB	25		8. --	--	--	--	3. <i>Rumex crispus</i>	FAC+	HERB	35		9. --	--	--	--	4. <i>Setaria faberi</i>	FACU+	HERB	35		10. --	--	--	--	5. --	--	--	--		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--
<i>Species Name</i>	Ind. Status	Stratum	% Cover		<i>Species Name</i>	Ind. Status	Stratum	% Cover																																																																
1. <i>Glycine max</i>	UPL	HERB	50		7. --	--	--	--																																																																
2. <i>Ambrosia artemisiifolia</i>	FACU	HERB	25		8. --	--	--	--																																																																
3. <i>Rumex crispus</i>	FAC+	HERB	35		9. --	--	--	--																																																																
4. <i>Setaria faberi</i>	FACU+	HERB	35		10. --	--	--	--																																																																
5. --	--	--	--		11. --	--	--	--																																																																
6. --	--	--	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 33% Remarks: Hydrophytic vegetation is not dominant (not including soybeans).																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																								
Remarks: Wetland hydrology is not present. Tile present; is deteriorating																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																								
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 5%;">Horizon</th> <th style="width: 5%;">Matrix Color (Munsell Moist):</th> <th style="width: 5%;">Mottle Colors (Munsell Moist):</th> <th style="width: 5%;">Mottle Abundance/Contrast</th> <th style="width: 40%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>11</td> <td>A1</td> <td>10YR</td> <td>3/1</td> <td>NA NA NA NA</td> <td>Silty clay loam; moist, friable</td> </tr> <tr> <td>11</td> <td>17</td> <td>A2</td> <td>10YR</td> <td>2/1</td> <td>NA NA NA NA</td> <td>Silty loam; moist, friable</td> </tr> <tr> <td>17</td> <td>21</td> <td>B</td> <td>10YR</td> <td>3.5/1</td> <td>NA NA NA NA</td> <td>Silty clay loam; moist, friable; small sandstone fragments throughout</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	11	A1	10YR	3/1	NA NA NA NA	Silty clay loam; moist, friable	11	17	A2	10YR	2/1	NA NA NA NA	Silty loam; moist, friable	17	21	B	10YR	3.5/1	NA NA NA NA	Silty clay loam; moist, friable; small sandstone fragments throughout																																			
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	11	A1	10YR	3/1	NA NA NA NA	Silty clay loam; moist, friable																																																																		
11	17	A2	10YR	2/1	NA NA NA NA	Silty loam; moist, friable																																																																		
17	21	B	10YR	3.5/1	NA NA NA NA	Silty clay loam; moist, friable; small sandstone fragments throughout																																																																		
Hydric Soil Indicators ² : <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> </tr> </tbody> </table>						_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																																							
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Remarks: This plot is not located in wetland. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since no wetland hydrology is evident and hydrophytic vegetation is not dominant.																																																																								

Site: SSA Inaugural Delineation
 Locale: WS06NW3b
 Date: October 1, 2008 10 minutes
 By: AECOM: T. Radke; R. West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS06NW3b.inv

FLORISTIC QUALITY DATA	Native	2	50.0%	Adventive	2	50.0%
2 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
4 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
0.0 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
0.0 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
0.0 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.5 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	1	25.0%
-0.2 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Fac. Wetland (-)	A-Grass	2	50.0%	A-Grass	1	25.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0 ABUTILON THEOPHRASTI	4 FACU-	Ad A-Forb	VELVETLEAF
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
PANDII	0 Panicum dichotomiflorum	-2 FACW-	Nt A-Grass	KNEE GRASS
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: R. West						Date: 10/01/08 County: Will State: Illinois Community ID: FW Station ID: WS06NW-3b Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Tiled area next to cropland; soil core not taken																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>35</td></tr> <tr><td>2. <i>Setaria glauca</i></td><td>FAC</td><td>HERB</td><td>35</td></tr> <tr><td>3. <i>Panicum dichotomiflorum</i></td><td>FACW-</td><td>HERB</td><td>30</td></tr> <tr><td>4. <i>Abutilon theophrasti</i></td><td>FACU-</td><td>HERB</td><td>2</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Echinochloa crusgalli</i>	FACW	HERB	35	2. <i>Setaria glauca</i>	FAC	HERB	35	3. <i>Panicum dichotomiflorum</i>	FACW-	HERB	30	4. <i>Abutilon theophrasti</i>	FACU-	HERB	2	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Echinochloa crusgalli</i>	FACW	HERB	35																																																														
2. <i>Setaria glauca</i>	FAC	HERB	35																																																														
3. <i>Panicum dichotomiflorum</i>	FACW-	HERB	30																																																														
4. <i>Abutilon theophrasti</i>	FACU-	HERB	2																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant. Vegetation all annuals growing in sparse clumps																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks <input checked="" type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data _____ FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is present. Area already mapped as wetland. Wetland vegetation sparse. Sparsely vegetated depression in cropland																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam Taxonomy (Subgroup): Typic Endoaquolls				Series Drainage Class: Poorly drained Field Observations Confirm Mapped Type? _____ * Yes _____ No																																																													
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are mapped. Soil core not taken.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Hydric Soils Present? _____ * Yes _____ No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Remarks: This plot is located in a wetland. Hydric soils mapped; soil core not taken.																																																																	

Site: SSA Inaugural Delineation
 Locale: WS06NW4
 Date: October 1, 2008 1 hours
 By: AECOM: T.Radke; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS06NW4.inv

FLORISTIC QUALITY DATA	Native	15	62.5%	Adventive	9	37.5%
15 NATIVE SPECIES	Tree	3	12.5%	Tree	2	8.3%
24 Total Species	Shrub	1	4.2%	Shrub	0	0.0%
1.9 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
1.2 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
7.5 NATIVE FQI	P-Forb	4	16.7%	P-Forb	1	4.2%
5.9 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.9 NATIVE MEAN W	A-Forb	3	12.5%	A-Forb	2	8.3%
-1.6 W/Adventives	P-Grass	0	0.0%	P-Grass	2	8.3%
AVG: Fac. Wetland	A-Grass	2	8.3%	A-Grass	2	8.3%
	P-Sedge	2	8.3%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACARHO	0 Acalypha rhomboidea	3 FACU	Nt A-Forb	THREE-SEEDED MERCURY
ACENEG	0 Acer negundo	-2 FACW-	Nt Tree	BOX ELDER
AGRALA	0 AGROSTIS ALBA	-3 FACW	Ad P-Grass	REDTOP
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
BIDFRO	1 Bidens frondosa	-3 FACW	Nt A-Forb	COMMON BEGGAR'S TICKS
CXCRIS	4 Carex cristatella	-4 FACW+	Nt P-Sedge	CRESTED OVAL SEDGE
CXVULP	2 Carex vulpinoidea	-5 OBL	Nt P-Sedge	BROWN FOX SEDGE
CORSTO	6 Cornus stolonifera	-3 FACW	Nt Shrub	RED-OSIER DOGWOOD
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
EPICOL	3 Epilobium coloratum	-5 OBL	Nt P-Forb	CINNAMON WILLOW HERB
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
PANDII	0 Panicum dichotomiflorum	-2 FACW-	Nt A-Grass	KNEE GRASS
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
SALFRA	0 SALIX FRAGILIS	-1 FAC+	Ad Tree	CRACK WILLOW
SALNIG	4 Salix nigra	-5 OBL	Nt Tree	BLACK WILLOW
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
TRIPRA	0 TRIFOLIUM PRATENSE	5 UPL	Ad P-Forb	RED CLOVER
TYPLAT	1 Typha latifolia	-5 OBL	Nt P-Forb	BROAD-LEAVED CATTAIL
ULMAME	3 Ulmus americana	-2 FACW-	Nt Tree	AMERICAN ELM
ULMPUM	0 ULMUS PUMILA	5 UPL	Ad Tree	SIBERIAN ELM
XANSTR	0 XANTHIUM STRUMARIUM	0 FAC	Ad A-Forb	COCKLEBUR

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: R. West						Date: 10/01/08 County: Will State: Illinois Community ID: Wetland Complex Station ID: WS06NW-4 Plot ID: S1																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Uncultivated strip between corn field and pasture enclosure																																																																		
Remarks: Uncultivated strip between corn field and pasture enclosure																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 15%;"></th> <th style="width: 15%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Echinochloa crusgalli</i></td> <td>FACW</td> <td>HERB</td> <td>30</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Setaria glauca</i></td> <td>FAC</td> <td>HERB</td> <td>30</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Phalaris arundinacea</i></td> <td>FACW+</td> <td>HERB</td> <td>1</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Typha latifolia</i></td> <td>OBL</td> <td>HERB</td> <td>10</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Ulmus rubra</i></td> <td>UPL</td> <td>TREE</td> <td>10</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Echinochloa crusgalli</i>	FACW	HERB	30		7. --	--	--	--	2. <i>Setaria glauca</i>	FAC	HERB	30		8. --	--	--	--	3. <i>Phalaris arundinacea</i>	FACW+	HERB	1		9. --	--	--	--	4. <i>Typha latifolia</i>	OBL	HERB	10		10. --	--	--	--	5. <i>Ulmus rubra</i>	UPL	TREE	10		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Echinochloa crusgalli</i>	FACW	HERB	30		7. --	--	--	--																																																																
2. <i>Setaria glauca</i>	FAC	HERB	30		8. --	--	--	--																																																																
3. <i>Phalaris arundinacea</i>	FACW+	HERB	1		9. --	--	--	--																																																																
4. <i>Typha latifolia</i>	OBL	HERB	10		10. --	--	--	--																																																																
5. <i>Ulmus rubra</i>	UPL	TREE	10		11. --	--	--	--																																																																
6. --	--	--	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 66% Remarks: Hydrophytic vegetation is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is present. NRCS ID																																																																			
Remarks: Wetland hydrology is present. NRCS ID																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>9</td> <td>A1</td> <td>10YR 3/1</td> <td>NA NA</td> <td>NA NA</td> <td>Silty Loam; moist friable</td> </tr> <tr> <td>9</td> <td>14</td> <td>A2</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>Silty clay; moist, firm</td> </tr> <tr> <td>14</td> <td>20</td> <td>A3</td> <td>10YR 2/1</td> <td>10YR 4/1 5/6</td> <td>few faint common distinct</td> <td>Silty clay; moist, firm</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	9	A1	10YR 3/1	NA NA	NA NA	Silty Loam; moist friable	9	14	A2	10YR 2/1	NA NA	NA NA	Silty clay; moist, firm	14	20	A3	10YR 2/1	10YR 4/1 5/6	few faint common distinct	Silty clay; moist, firm																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	9	A1	10YR 3/1	NA NA	NA NA	Silty Loam; moist friable																																																																		
9	14	A2	10YR 2/1	NA NA	NA NA	Silty clay; moist, firm																																																																		
14	20	A3	10YR 2/1	10YR 4/1 5/6	few faint common distinct	Silty clay; moist, firm																																																																		
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																		
Remarks: Hydric soils are present. Buried horizon of 10YR 2/1						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Remarks: This plot is located in a wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																				
Project/Site: South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R. West						Date: 10/01/08 County: Will State: Illinois Community ID: Upland Station ID: WS06NW-4 Plot ID: S2																																																														
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Cornfield; tiled drainageway adjacent																																																														
VEGETATION Dominant Species (50/20 Rule) <table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th style="width: 40%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 30%;"></th> <th style="width: 40%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. Zea mays</td> <td>UPL</td> <td>HERB</td> <td>100</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td><td></td><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td><td></td><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td><td></td><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td><td></td><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td><td></td><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. Zea mays	UPL	HERB	100		7. --	--	--	--	2. --	--	--	--		8. --	--	--	--	3. --	--	--	--		9. --	--	--	--	4. --	--	--	--		10. --	--	--	--	5. --	--	--	--		11. --	--	--	--	6. --	--	--	--	
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																												
1. Zea mays	UPL	HERB	100		7. --	--	--	--																																																												
2. --	--	--	--		8. --	--	--	--																																																												
3. --	--	--	--		9. --	--	--	--																																																												
4. --	--	--	--		10. --	--	--	--																																																												
5. --	--	--	--		11. --	--	--	--																																																												
6. --	--	--	--		12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant. Corn crop successful						Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																														
HYDROLOGY <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																				
Remarks: Wetland hydrology is not present. Corn crop is robust; area not on NRCS review																																																																				
SOILS Map Unit Name: Ashkum silty clay loam Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Profile Description: <table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th style="width: 5%;">Top Depth</th> <th style="width: 5%;">Bottom Depth</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>11</td> <td>A1</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>Silty loam; moist, friable</td> </tr> <tr> <td>11</td> <td>17</td> <td>A2</td> <td>10YR 3/1</td> <td>NA NA</td> <td>NA NA</td> <td>Silty loam; moist, friable</td> </tr> <tr> <td>17</td> <td>20</td> <td>B</td> <td>10YR 4/1</td> <td>10YR 5/6</td> <td>many common distinct distinct</td> <td>Silty clay; moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	11	A1	10YR 2/1	NA NA	NA NA	Silty loam; moist, friable	11	17	A2	10YR 3/1	NA NA	NA NA	Silty loam; moist, friable	17	20	B	10YR 4/1	10YR 5/6	many common distinct distinct	Silty clay; moist, firm																															
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																														
0	11	A1	10YR 2/1	NA NA	NA NA	Silty loam; moist, friable																																																														
11	17	A2	10YR 3/1	NA NA	NA NA	Silty loam; moist, friable																																																														
17	20	B	10YR 4/1	10YR 5/6	many common distinct distinct	Silty clay; moist, firm																																																														
Hydric Soil Indicators ² : <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 30%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </div> <div style="width: 30%;"> <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </div> </div>						Indicators for Problematic Hydric Soils ¹ : ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																														
Remarks: Hydric soils are present. Matches Ashkum profile																																																																				
WETLAND DETERMINATION Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Remarks: This plot is not located in wetland. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since no wetland hydrology is evident and hydrophytic vegetation is not dominant.																																																																				

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R. West						Date: 10/02/08 County: Will State: Illinois Community ID: Upland Station ID: WS06NW-5 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Tiled drainageway. No soil core taken.																																																											
Remarks: Tiled drainageway. No soil core taken.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Aster pilosus</i></td><td>FACU+</td><td>HERB</td><td>30</td></tr> <tr><td>2. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>20</td></tr> <tr><td>3. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>50</td></tr> <tr><td>4. <i>Agropyron repens</i></td><td>UPL</td><td>HERB</td><td>1</td></tr> <tr><td>5. <i>Trifolium pratense</i></td><td>FACU+</td><td>HERB</td><td>1</td></tr> <tr><td>6. <i>Taraxacum officinale</i></td><td>FACU</td><td>HERB</td><td>1</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Aster pilosus</i>	FACU+	HERB	30	2. <i>Daucus carota</i>	UPL	HERB	20	3. <i>Bromus inermis</i>	UPL	HERB	50	4. <i>Agropyron repens</i>	UPL	HERB	1	5. <i>Trifolium pratense</i>	FACU+	HERB	1	6. <i>Taraxacum officinale</i>	FACU	HERB	1	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Setaria glauca</i></td><td>FAC</td><td>HERB</td><td>1</td></tr> <tr><td>8. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>1</td></tr> <tr><td>9. <i>Agrostis alba</i></td><td>FACW</td><td>HERB</td><td>1</td></tr> <tr><td>10. <i>Xanthium strumarium</i></td><td>FAC</td><td>HERB</td><td>1</td></tr> <tr><td>11. <i>Polygonum persicaria</i></td><td>FACW</td><td>HERB</td><td>1</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. <i>Setaria glauca</i>	FAC	HERB	1	8. <i>Setaria faberi</i>	FACU+	HERB	1	9. <i>Agrostis alba</i>	FACW	HERB	1	10. <i>Xanthium strumarium</i>	FAC	HERB	1	11. <i>Polygonum persicaria</i>	FACW	HERB	1	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Aster pilosus</i>	FACU+	HERB	30																																																														
2. <i>Daucus carota</i>	UPL	HERB	20																																																														
3. <i>Bromus inermis</i>	UPL	HERB	50																																																														
4. <i>Agropyron repens</i>	UPL	HERB	1																																																														
5. <i>Trifolium pratense</i>	FACU+	HERB	1																																																														
6. <i>Taraxacum officinale</i>	FACU	HERB	1																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Setaria glauca</i>	FAC	HERB	1																																																														
8. <i>Setaria faberi</i>	FACU+	HERB	1																																																														
9. <i>Agrostis alba</i>	FACW	HERB	1																																																														
10. <i>Xanthium strumarium</i>	FAC	HERB	1																																																														
11. <i>Polygonum persicaria</i>	FACW	HERB	1																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Remarks: Wetland hydrology is not present.																																																																	
SOILS																																																																	
Map Unit Name: Ozaukee silt loam Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? _____ * Yes _____ No																																																																	
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top Depth</th> <th style="text-align: center;">Bottom Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Non-hydric soils are mapped. No soil core taken																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? _____ Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? _____ Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? _____ Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in wetland. *No soil core taken																																																																	

Site: Inaugural South Suburban Airport
 Locale: WS06SW2b
 Date: October 02, 2008 .25 hours
 By: AECOM: Teri Radke; R. West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS06SW2b.inv
 Notes: Includes drainageway connecting to W01SE7

FLORISTIC QUALITY DATA	Native	8	66.7%	Adventive	4	33.3%
8 NATIVE SPECIES	Tree	1	8.3%	Tree	0	0.0%
12 Total Species	Shrub	2	16.7%	Shrub	0	0.0%
1.3 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.8 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
3.5 NATIVE FQI	P-Forb	1	8.3%	P-Forb	2	16.7%
2.9 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.5 NATIVE MEAN W	A-Forb	1	8.3%	A-Forb	1	8.3%
-1.8 W/Adventives	P-Grass	0	0.0%	P-Grass	1	8.3%
AVG: Fac. Wetland (-)	A-Grass	1	8.3%	A-Grass	0	0.0%
	P-Sedge	1	8.3%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	1	8.3%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACESAI	0 Acer saccharinum	-3 FACW	Nt Tree	SILVER MAPLE
BIDFRO	1 Bidens frondosa	-3 FACW	Nt A-Forb	COMMON BEGGAR'S TICKS
CORSTO	6 Cornus stolonifera	-3 FACW	Nt Shrub	RED-OSIER DOGWOOD
CYPESC	0 Cyperus esculentus	-1 [FAC+]	Nt P-Sedge	FIELD NUT SEDGE
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
EQUARV	0 Equisetum arvense	0 FAC	Cryptogam	HORSETAIL
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
TRIREP	0 TRIFOLIUM REPENS	2 FACU+	Ad P-Forb	WHITE CLOVER

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: R. West						Date: 10/02/08 County: Will State: Illinois Community ID: Wetland Complex Station ID: WS06SW-2b Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Long, wide swale in hayfield; probable tile location. No soil core taken, continuation from stream across street.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Polygonum persicaria</i></td><td>FACW</td><td>HERB</td><td>20</td></tr> <tr><td>2. <i>Equisetum arvense</i></td><td>FAC</td><td>HERB</td><td>30</td></tr> <tr><td>3. <i>Acer saccharinum</i></td><td>FACW</td><td>TREE</td><td>20</td></tr> <tr><td>4. <i>Cornus stolonifera</i></td><td>FACW</td><td>SHRUB</td><td>20</td></tr> <tr><td>5. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>5</td></tr> <tr><td>6. <i>Helianthus grosseserratus</i></td><td>FACW-</td><td>HERB</td><td>5</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Polygonum persicaria</i>	FACW	HERB	20	2. <i>Equisetum arvense</i>	FAC	HERB	30	3. <i>Acer saccharinum</i>	FACW	TREE	20	4. <i>Cornus stolonifera</i>	FACW	SHRUB	20	5. <i>Echinochloa crusgalli</i>	FACW	HERB	5	6. <i>Helianthus grosseserratus</i>	FACW-	HERB	5	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Cyperus esculentus</i></td><td>FACW</td><td>HERB</td><td>1</td></tr> <tr><td>8. <i>Bidens frondosa</i></td><td>FACW</td><td>HERB</td><td>1</td></tr> <tr><td>9. <i>Trifolium repens</i></td><td>FACU+</td><td>HERB</td><td>1</td></tr> <tr><td>10. <i>Salix exigua</i></td><td>OBL</td><td>SHRUB</td><td>1</td></tr> <tr><td>11. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>1</td></tr> <tr><td>12. <i>Rumex crispus</i></td><td>FAC+</td><td>HERB</td><td>1</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. <i>Cyperus esculentus</i>	FACW	HERB	1	8. <i>Bidens frondosa</i>	FACW	HERB	1	9. <i>Trifolium repens</i>	FACU+	HERB	1	10. <i>Salix exigua</i>	OBL	SHRUB	1	11. <i>Phalaris arundinacea</i>	FACW+	HERB	1	12. <i>Rumex crispus</i>	FAC+	HERB	1
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Polygonum persicaria</i>	FACW	HERB	20																																																														
2. <i>Equisetum arvense</i>	FAC	HERB	30																																																														
3. <i>Acer saccharinum</i>	FACW	TREE	20																																																														
4. <i>Cornus stolonifera</i>	FACW	SHRUB	20																																																														
5. <i>Echinochloa crusgalli</i>	FACW	HERB	5																																																														
6. <i>Helianthus grosseserratus</i>	FACW-	HERB	5																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Cyperus esculentus</i>	FACW	HERB	1																																																														
8. <i>Bidens frondosa</i>	FACW	HERB	1																																																														
9. <i>Trifolium repens</i>	FACU+	HERB	1																																																														
10. <i>Salix exigua</i>	OBL	SHRUB	1																																																														
11. <i>Phalaris arundinacea</i>	FACW+	HERB	1																																																														
12. <i>Rumex crispus</i>	FAC+	HERB	1																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						100%																																																											
Remarks: Hydrophytic vegetation is dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks <input checked="" type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is present. Evidence of ponding.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam						Series Drainage Class: Poorly drained																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? _____ * Yes _____ No																																																											
Profile Description:																																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² :						Indicators for Problematic Hydric Soils ¹ :																																																											
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																											
						_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																											
						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are mapped. No soil core taken.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Hydric Soils Present? <input type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Remarks: This plot is located in a wetland. No soil core taken.																																																																	

Site: Inaugural South Suburban Airport
 Locale: WS06SW8
 Date: September 26, 2008 1 hours
 By: AECOM: S.Johnson; T.Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS06SW8.inv

FLORISTIC QUALITY DATA	Native	15	68.2%	Adventive	7	31.8%
15 NATIVE SPECIES	Tree	4	18.2%	Tree	0	0.0%
22 Total Species	Shrub	1	4.5%	Shrub	2	9.1%
2.4 NATIVE MEAN C	W-Vine	1	4.5%	W-Vine	0	0.0%
1.6 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
9.3 NATIVE FQI	P-Forb	5	22.7%	P-Forb	0	0.0%
7.7 W/Adventives	B-Forb	0	0.0%	B-Forb	1	4.5%
-2.1 NATIVE MEAN W	A-Forb	3	13.6%	A-Forb	1	4.5%
-1.0 W/Adventives	P-Grass	0	0.0%	P-Grass	3	13.6%
AVG: Fac. Wetland (-)	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	1	4.5%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACENEG	0 Acer negundo	-2 FACW-	Nt Tree	BOX ELDER
ACESAI	0 Acer saccharinum	-3 FACW	Nt Tree	SILVER MAPLE
AGRALA	0 AGROSTIS ALBA	-3 FACW	Ad P-Grass	REDTOP
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ASTNOV	4 Aster novae-angliae	-3 FACW	Nt P-Forb	NEW ENGLAND ASTER
ASTPUF	7 Aster puniceus firmus	-5 OBL	Nt P-Forb	SHINING ASTER
CXLACU	6 Carex lacustris	-5 OBL	Nt P-Sedge	COMMON LAKE SEDGE
CORSTO	6 Cornus stolonifera	-3 FACW	Nt Shrub	RED-OSIER DOGWOOD
GEUCAN	1 Geum canadense	0 FAC	Nt P-Forb	WOOD AVENS
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
LONTAT	0 LONICERA TATARICA	5 [UPL]	Ad Shrub	TARTARIAN HONEYSUCKLE
PASSAT	0 PASTINACA SATIVA	5 UPL	Ad B-Forb	WILD PARSNIP
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POACOM	0 POA COMPRESSA	2 FACU+	Ad P-Grass	CANADA BLUE GRASS
POLHYR	2 Polygonum hydropiper	-3 FACW	Nt A-Forb	WATER PEPPER
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
RHAFRA	0 RHAMNUS FRANGULA	-1 FAC+	Ad Shrub	GLOSSY BUCKTHORN
RHURAD	2 Rhus radicans	-1 FAC+	Nt W-Vine	POISON IVY
SOLALT	1 Solidago altissima	3 FACU	Nt P-Forb	TALL GOLDENROD
ULMAME	3 Ulmus americana	-2 FACW-	Nt Tree	AMERICAN ELM

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																																						
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 09/26/08 County: Will State: Illinois Community ID: PEM Station ID: WS06SW-8 Plot ID: S1																																																																																
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: This plot is located on the edge of an agricultural field. NRCS slide review site																																																																																
VEGETATION																																																																																						
Dominant Species (50/20 Rule)																																																																																						
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;"></th> <th style="width:25%;"><u>Species Name</u></th> <th style="width:10%;"><u>Ind. Status</u></th> <th style="width:10%;"><u>Stratum</u></th> <th style="width:10%;"><u>% Cover</u></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:25%;"><u>Species Name</u></th> <th style="width:10%;"><u>Ind. Status</u></th> <th style="width:10%;"><u>Stratum</u></th> <th style="width:10%;"><u>% Cover</u></th> </tr> </thead> <tbody> <tr> <td>1.</td> <td><i>Acer saccharinum</i></td> <td>FACW</td> <td>TREE</td> <td>5</td> <td></td> <td>7.</td> <td><i>Populus deltoides</i></td> <td>FAC+</td> <td>TREE</td> <td>10</td> </tr> <tr> <td>2.</td> <td><i>Cornus stolonifera</i></td> <td>FACW</td> <td>SHRUB</td> <td>30</td> <td></td> <td>8.</td> <td><i>Phalaris arundinacea</i></td> <td>FACW+</td> <td>HERB</td> <td>10</td> </tr> <tr> <td>3.</td> <td><i>Helianthus grosseserratus</i></td> <td>FACW-</td> <td>HERB</td> <td>5</td> <td></td> <td>9.</td> <td><i>Pastinaca sativa</i></td> <td>UPL</td> <td>HERB</td> <td>2</td> </tr> <tr> <td>4.</td> <td><i>Glycine max</i></td> <td>UPL</td> <td>HERB</td> <td>3</td> <td></td> <td>10.</td> <td><i>Solidago altissima</i></td> <td>FACU</td> <td>HERB</td> <td>15</td> </tr> <tr> <td>5.</td> <td><i>Agrostis alba</i></td> <td>FACW</td> <td>HERB</td> <td>15</td> <td></td> <td>11.</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6.</td> <td><i>Polygonum pensylvanicum</i></td> <td>FACW+</td> <td>HERB</td> <td>2</td> <td></td> <td>12.</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>											<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>	1.	<i>Acer saccharinum</i>	FACW	TREE	5		7.	<i>Populus deltoides</i>	FAC+	TREE	10	2.	<i>Cornus stolonifera</i>	FACW	SHRUB	30		8.	<i>Phalaris arundinacea</i>	FACW+	HERB	10	3.	<i>Helianthus grosseserratus</i>	FACW-	HERB	5		9.	<i>Pastinaca sativa</i>	UPL	HERB	2	4.	<i>Glycine max</i>	UPL	HERB	3		10.	<i>Solidago altissima</i>	FACU	HERB	15	5.	<i>Agrostis alba</i>	FACW	HERB	15		11.	--	--	--	--	6.	<i>Polygonum pensylvanicum</i>	FACW+	HERB	2		12.	--	--	--	--
	<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>																																																																												
1.	<i>Acer saccharinum</i>	FACW	TREE	5		7.	<i>Populus deltoides</i>	FAC+	TREE	10																																																																												
2.	<i>Cornus stolonifera</i>	FACW	SHRUB	30		8.	<i>Phalaris arundinacea</i>	FACW+	HERB	10																																																																												
3.	<i>Helianthus grosseserratus</i>	FACW-	HERB	5		9.	<i>Pastinaca sativa</i>	UPL	HERB	2																																																																												
4.	<i>Glycine max</i>	UPL	HERB	3		10.	<i>Solidago altissima</i>	FACU	HERB	15																																																																												
5.	<i>Agrostis alba</i>	FACW	HERB	15		11.	--	--	--	--																																																																												
6.	<i>Polygonum pensylvanicum</i>	FACW+	HERB	2		12.	--	--	--	--																																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 80% Remarks: Hydrophytic vegetation is dominant.																																																																																						
HYDROLOGY																																																																																						
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available </div>					Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																																	
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is present.																																																																																	
SOILS																																																																																						
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, eroder Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																																						
Profile Description: <table style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width:5%;">Top</th> <th style="width:5%;">Bottom</th> <th style="width:10%;">Horizon</th> <th style="width:10%;">Matrix Color (Munsell Moist):</th> <th style="width:10%;">Mottle Colors (Munsell Moist):</th> <th style="width:10%;">Mottle Abundance/Contrast</th> <th style="width:50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>11</td> <td>Ap</td> <td>10YR 3/2</td> <td>5YR 5/6</td> <td>few distinct</td> <td>mucky silty clay loam, moist, friable</td> </tr> <tr> <td>11</td> <td>22</td> <td>A</td> <td>10YR 3/1</td> <td>10YR 5/4</td> <td>few prominent</td> <td>Fe concretions silty clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	11	Ap	10YR 3/2	5YR 5/6	few distinct	mucky silty clay loam, moist, friable	11	22	A	10YR 3/1	10YR 5/4	few prominent	Fe concretions silty clay loam, moist, friable																																																								
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																																
0	11	Ap	10YR 3/2	5YR 5/6	few distinct	mucky silty clay loam, moist, friable																																																																																
11	22	A	10YR 3/1	10YR 5/4	few prominent	Fe concretions silty clay loam, moist, friable																																																																																
Hydric Soil Indicators ² : <div style="margin-left: 20px;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </div>						Indicators for Problematic Hydric Soils ¹ : <div style="margin-left: 20px;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </div>																																																																																
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																																
WETLAND DETERMINATION																																																																																						
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																																	
Remarks: This plot is located in wetland.																																																																																						

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 09/26/08 County: Will State: Illinois Community ID: Upland Station ID: WS06SW-8 Plot ID: S2																																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)																																																																															
Remarks: This plot is located in an agricultural field. NRCS slide review site																																																																															
VEGETATION																																																																															
Dominant Species (50/20 Rule)																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 40%;"></th> </tr> </thead> <tbody> <tr> <td>1. Glycine max</td> <td>UPL</td> <td>HERB</td> <td>70</td> <td></td> </tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		1. Glycine max	UPL	HERB	70		2. --	--	--	--		3. --	--	--	--		4. --	--	--	--		5. --	--	--	--		6. --	--	--	--		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 40%;"></th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		7. --	--	--	--		8. --	--	--	--		9. --	--	--	--		10. --	--	--	--		11. --	--	--	--		12. --	--	--	--	
Species Name	Ind. Status	Stratum	% Cover																																																																												
1. Glycine max	UPL	HERB	70																																																																												
2. --	--	--	--																																																																												
3. --	--	--	--																																																																												
4. --	--	--	--																																																																												
5. --	--	--	--																																																																												
6. --	--	--	--																																																																												
Species Name	Ind. Status	Stratum	% Cover																																																																												
7. --	--	--	--																																																																												
8. --	--	--	--																																																																												
9. --	--	--	--																																																																												
10. --	--	--	--																																																																												
11. --	--	--	--																																																																												
12. --	--	--	--																																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):					0%																																																																										
Remarks: Hydrophytic vegetation is not present.																																																																															
HYDROLOGY																																																																															
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																																										
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)																																																																															
Remarks: Wetland hydrology is not present.																																																																															
SOILS																																																																															
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, erodec Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																																															
Profile Description: <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 5%;">Top Depth</th> <th style="width: 5%;">Bottom Depth</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>9</td> <td>Ap</td> <td>10YR 4/2</td> <td>10YR 5/8</td> <td>few distinct</td> <td>sandy clay loam, moist, friable</td> </tr> <tr> <td>9</td> <td>22</td> <td>A</td> <td>10YR 4/2</td> <td>7.5YR 5/8</td> <td>many prominent</td> <td>sandy clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	9	Ap	10YR 4/2	10YR 5/8	few distinct	sandy clay loam, moist, friable	9	22	A	10YR 4/2	7.5YR 5/8	many prominent	sandy clay, moist, friable																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																									
0	9	Ap	10YR 4/2	10YR 5/8	few distinct	sandy clay loam, moist, friable																																																																									
9	22	A	10YR 4/2	7.5YR 5/8	many prominent	sandy clay, moist, friable																																																																									
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ X (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																									
						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																									
Remarks: Hydric soils are present.																																																																															
WETLAND DETERMINATION																																																																															
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ X Yes _____ No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																																										
Remarks: This plot is not located within a wetland. Hydric soils are present at this plot, but can be considered relict due to agricultural practices in the area.																																																																															

Appendix E
Section Will 08

Area ID	Total Depth	Hydric Soil	Native FQI	Comments
W08NE-1-S1	20	Yes	0.0	
W08NE-1U-S2	20	No		
W08NE-2-S1	22	Yes	1.6	
W08NE-2U-S2	22	Yes		
W08NE-3-S1	13	Yes	8.3	
W08NE-3U-S2	20	Yes		
W08NE-4-S1	20	Yes	7.8	
W08NE-4U-S2	20	No		Photo SE
W08NE-5-S1	20	Yes	6.4	
W08NE-5U-S2	20	No		
W08NE-6-S1	20	Yes	3.5	
W08NE-6U-S2	21	No		
W08NE-7-S1	NA	NA	9.9	no soil core, area inundated
W08NE-7U-S2	21	No		
UW08NE-8	NA	NA	NA	Photo N

NA = not applicable



Legend

Wetland Type

PEM

PSS

PFO

PEM/PFO

PSS/PEM

PFO/PSS

POW

Stream

Wetland Complex

2008 Study Boundary

Sections

Upland Soil Cores

Upland Photo Locations

Wetland Soil Cores

N

EXHIBIT E-1I
Will Township Section 8
2008 - 2009 FIELD INVESTIGATION RESULTS
South Suburban Airport

Illinois Department of Transportation

Division of Aeronautics

AECOM

02505001,0001,500

Feet

733

Site: Inaugural South Suburban Airport
 Locale: W08NE-1
 Date: August 26, 2008 10 minutes
 By: AECOM; A.Amelse; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W08NE1.inv

FLORISTIC QUALITY DATA	Native	0	0.0%	Adventive	1	100.0%
0 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
1 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
0.0 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
0.0 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
0.0 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
0.0 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	1	100.0%
5.0 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Faculative	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 08/26/08 County: Will State: Illinois Community ID: FW Station ID: W08NE-1 Plot ID: SC-1																																																											
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If yes, define below.)						Remarks: in soybean field, no vegetation, possibly wet until recently																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. --	--	--	--	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. --	--	--	--																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): NA Remarks: No vegetation present.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Evidence of ponding in microdepressions Aerial photos used for NRCS slide review.																																																												
SOILS																																																																	
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udollic Epiaqualfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 5%;">Top Depth</th> <th style="width: 5%;">Bottom Depth</th> <th style="width: 5%;">Horizon</th> <th style="width: 5%;">Matrix Color (Munsell Moist)</th> <th style="width: 5%;">Mottle Colors (Munsell Moist)</th> <th style="width: 5%;">Mottle Abundance/Contrast</th> <th style="width: 40%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>10</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silt loam, moist, friable</td> </tr> <tr> <td>10</td> <td>20</td> <td>Bt</td> <td>10YR 2/1</td> <td>10YR 3/3</td> <td>many distinct</td> <td>silty clay loam, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	10	Ap	10YR 2/1	NA NA	NA NA	mucky silt loam, moist, friable	10	20	Bt	10YR 2/1	10YR 3/3	many distinct	silty clay loam, moist, firm																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	10	Ap	10YR 2/1	NA NA	NA NA	mucky silt loam, moist, friable																																																											
10	20	Bt	10YR 2/1	10YR 3/3	many distinct	silty clay loam, moist, firm																																																											
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </td> </tr> </table>						<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																									
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in wetland. Vegetation was not present likely because of recent inundation. Since wetland hydrology and hydric soils are present, it is likely that dominant hydrophytic vegetation would become established if the area were not actively cropped.																																																																	

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West	Date: 08/26/08 County: Will State: Illinois Community ID: Upland Station ID: W08NE-1 Plot ID: SC-2
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	

Remarks: **lawn**

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover	Species Name	Ind. Status	Stratum	% Cover
1. <i>Festuca elatior</i>	FACU+	HERB	70	7. --	--	--	--
2. <i>Ambrosia artemisiifolia</i>	FACU	HERB	5	8. --	--	--	--
3. <i>Taraxacum officinale</i>	FACU	HERB	10	9. --	--	--	--
4. <i>Trifolium hybridum</i>	FAC-	HERB	10	10. --	--	--	--
5. <i>Daucus carota</i>	UPL	HERB	5	11. --	--	--	--
6. <i>Poa pratensis</i>	FAC-	HERB	20	12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **0%**

Remarks: **Hydrophytic vegetation is not dominant.**

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
---	--

Remarks: **Wetland hydrology not present.**

Aerial photos used for NRCS slide review.

SOILS

Map Unit Name: **Beecher silt loam, 2 to 4 percent slopes** Series Drainage Class: **Somewhat poorly drained**
 Taxonomy (Subgroup): **Udolic Epiaqualfs** Field Observations Confirm Mapped Type? ☐ Yes ☒ No

Profile Description:

Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.
0	13	A	10YR 2/1	NA NA	NA NA	silt loam, dry, friable
13	20	Bt	10YR 2/1	5YR 3/3	common distinct	silty clay loam, moist, friable

Hydric Soil Indicators²:

- | | |
|---|--|
| <input type="checkbox"/> (A1) Histosol
<input type="checkbox"/> (A2) Histic Epipedon
<input type="checkbox"/> (A3) Black Histic
<input type="checkbox"/> (A4) Hydrogen Sulfide
<input type="checkbox"/> (A5) Stratified Layers
<input type="checkbox"/> (A10) 2 cm Muck
<input type="checkbox"/> (A11) Depleted Below Dark Surface
<input type="checkbox"/> (A12) Thick Dark Surface
<input type="checkbox"/> (S1) Sandy Mucky Mineral
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat | <input type="checkbox"/> (S4) Sandy Gleyed Matrix
<input type="checkbox"/> (S5) Sandy Redox
<input type="checkbox"/> (S6) Stripped Matrix
<input type="checkbox"/> (F1) Loamy Mucky Mineral
<input type="checkbox"/> (F2) Loamy Gleyed Matrix
<input type="checkbox"/> (F3) Depleted Matrix
<input type="checkbox"/> (F6) Redox Dark Surface
<input type="checkbox"/> (F7) Depleted Dark Surface
<input type="checkbox"/> (F8) Redox Depressions |
|---|--|

Indicators for Problematic Hydric Soils¹:

- | | |
|---|--|
| <input type="checkbox"/> (A16) Coast Prairie Redox
<input type="checkbox"/> (F12) Iron-Manganese Masses
<input type="checkbox"/> Other (Explain in Remarks) | |
|---|--|

¹Indicators of hydrophytic vegetation and wetland hydrology must be present.

²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)

Remarks: **Hydric soils not present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---	---

Remarks: **This plot is not located in a wetland.**

Site: Inaugural South Suburban Airport
 Locale: W08NE2
 Date: August 26, 2008 30 minutes
 By: AECOM: A. Amelse; R. West
 File: 1:\work\103576\wp\Environmental\Wetland Delineation\Completed Field Forms\Revised
 Forms\W08\FQI\W08NE2.inv

FLORISTIC QUALITY DATA	Native	6	54.5%	Adventive	5	45.5%
6 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
11 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
0.7 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.4 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
1.6 NATIVE FQI	P-Forb	1	9.1%	P-Forb	1	9.1%
1.2 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.3 NATIVE MEAN W	A-Forb	3	27.3%	A-Forb	1	9.1%
-1.7 W/Adventives	P-Grass	0	0.0%	P-Grass	2	18.2%
AVG: Fac. Wetland (-)	A-Grass	1	9.1%	A-Grass	1	9.1%
	P-Sedge	1	9.1%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACARHO	0 Acalypha rhomboidea	3 FACU	Nt A-Forb	THREE-SEEDED MERCURY
AGRALA	0 AGROSTIS ALBA	-3 FACW	Ad P-Grass	REDTOP
ASCINC	4 Asclepias incarnata	-5 OBL	Nt P-Forb	SWAMP MILKWEED
CYPESC	0 Cyperus esculentus	-1 [FAC+]	Nt P-Sedge	FIELD NUT SEDGE
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLAVI	0 POLYGONUM AVICULARE	1 FAC-	Ad A-Forb	COMMON KNOTWEED
POLLAP	0 Polygonum lapathifolium	-4 FACW+	Nt A-Forb	HEARTSEASE
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																					
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 08/26/08 County: Will State: Illinois Community ID: PEM/FW Station ID: W08NE-2 Plot ID: SC-1																																																															
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																					
Remarks: Uncultivated depression in soybean field.																																																																					
VEGETATION																																																																					
Dominant Species (50/20 Rule)																																																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Polygonum lapathifolium</i></td><td>FACW+</td><td>HERB</td><td>20</td></tr> <tr><td>2. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>25</td></tr> <tr><td>3. <i>Setaria glauca</i></td><td>FAC</td><td>HERB</td><td>5</td></tr> <tr><td>4. <i>Carex sp.</i></td><td>unknown</td><td>HERB</td><td>30</td></tr> <tr><td>5. <i>Cyperus esculentus</i></td><td>FACW</td><td>HERB</td><td>15</td></tr> <tr><td>6. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>5</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Polygonum lapathifolium</i>	FACW+	HERB	20	2. <i>Phalaris arundinacea</i>	FACW+	HERB	25	3. <i>Setaria glauca</i>	FAC	HERB	5	4. <i>Carex sp.</i>	unknown	HERB	30	5. <i>Cyperus esculentus</i>	FACW	HERB	15	6. <i>Echinochloa crusgalli</i>	FACW	HERB	5	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--				
Species Name	Ind. Status	Stratum	% Cover																																																																		
1. <i>Polygonum lapathifolium</i>	FACW+	HERB	20																																																																		
2. <i>Phalaris arundinacea</i>	FACW+	HERB	25																																																																		
3. <i>Setaria glauca</i>	FAC	HERB	5																																																																		
4. <i>Carex sp.</i>	unknown	HERB	30																																																																		
5. <i>Cyperus esculentus</i>	FACW	HERB	15																																																																		
6. <i>Echinochloa crusgalli</i>	FACW	HERB	5																																																																		
Species Name	Ind. Status	Stratum	% Cover																																																																		
7. --	--	--	--																																																																		
8. --	--	--	--																																																																		
9. --	--	--	--																																																																		
10. --	--	--	--																																																																		
11. --	--	--	--																																																																		
12. --	--	--	--																																																																		
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%																																																																					
Remarks: Hydrophytic vegetation is dominant. Vegetation not identified to species is not included in percent dominance calculation.																																																																					
HYDROLOGY																																																																					
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																	
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																					
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																					
SOILS																																																																					
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																					
Profile Description: <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th colspan="2">Matrix Color (Munsell Moist)</th> <th colspan="2">Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th colspan="2">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>Ap</td> <td>10YR</td> <td>2/1</td> <td>5YR</td> <td>3/3</td> <td>common</td> <td>distinct</td> <td>silt loam, moist, friable</td> </tr> <tr> <td>7</td> <td>10</td> <td>A</td> <td>2.5Y</td> <td>3/1</td> <td>7.5YR</td> <td>3/3</td> <td>common</td> <td>distinct</td> <td>silt loam, moist, friable</td> </tr> <tr> <td>10</td> <td>22</td> <td>Bt</td> <td>10YR</td> <td>2/1</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)		Mottle Colors (Munsell Moist)		Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.		0	7	Ap	10YR	2/1	5YR	3/3	common	distinct	silt loam, moist, friable	7	10	A	2.5Y	3/1	7.5YR	3/3	common	distinct	silt loam, moist, friable	10	22	Bt	10YR	2/1	NA	NA	NA	NA	clay, moist, friable																				
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)		Mottle Colors (Munsell Moist)		Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																													
0	7	Ap	10YR	2/1	5YR	3/3	common	distinct	silt loam, moist, friable																																																												
7	10	A	2.5Y	3/1	7.5YR	3/3	common	distinct	silt loam, moist, friable																																																												
10	22	Bt	10YR	2/1	NA	NA	NA	NA	clay, moist, friable																																																												
<table style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> Hydric Soil Indicators²: <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </td> <td style="width:50%; vertical-align: top;"> Indicators for Problematic Hydric Soils¹: <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input checked="" type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </td> </tr> </table>										Hydric Soil Indicators ² : <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input checked="" type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																										
Hydric Soil Indicators ² : <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input checked="" type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																				
<div style="display: flex; justify-content: space-between;"> <div> ¹Indicators of hydrophytic vegetation and wetland hydrology must be present. </div> <div> ²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006) </div> </div>																																																																					
Remarks: Hydric soils are present.																																																																					
WETLAND DETERMINATION																																																																					
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																
Remarks: This plot is located in wetland.																																																																					

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 08/26/08 County: Will State: Illinois Community ID: Upland Station ID: W08NE-2 Plot ID: SC-2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: approximately 1 ft higher in elevation than wetland point																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Poa compressa</i></td> <td>FACU+</td> <td>HERB</td> <td>70</td> </tr> <tr> <td>2. <i>Festuca rubra</i></td> <td>FAC-</td> <td>HERB</td> <td>10</td> </tr> <tr> <td>3. <i>Trifolium pratense</i></td> <td>FACU+</td> <td>HERB</td> <td>30</td> </tr> <tr> <td>4. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Poa compressa</i>	FACU+	HERB	70	2. <i>Festuca rubra</i>	FAC-	HERB	10	3. <i>Trifolium pratense</i>	FACU+	HERB	30	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Poa compressa</i>	FACU+	HERB	70																																																														
2. <i>Festuca rubra</i>	FAC-	HERB	10																																																														
3. <i>Trifolium pratense</i>	FACU+	HERB	30																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, eroder Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>6</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silt loam, dry, friable</td> </tr> <tr> <td>6</td> <td>16</td> <td>B</td> <td>10YR 2/1</td> <td>5YR 3/3</td> <td>common distinct</td> <td>silt loam, moist, friable</td> </tr> <tr> <td>16</td> <td>22</td> <td>Bt</td> <td>10YR 2/1</td> <td>5YR 3/3</td> <td>common distinct</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	6	Ap	10YR 2/1	NA NA	NA NA	silt loam, dry, friable	6	16	B	10YR 2/1	5YR 3/3	common distinct	silt loam, moist, friable	16	22	Bt	10YR 2/1	5YR 3/3	common distinct	silty clay loam, moist, friable																												
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	6	Ap	10YR 2/1	NA NA	NA NA	silt loam, dry, friable																																																											
6	16	B	10YR 2/1	5YR 3/3	common distinct	silt loam, moist, friable																																																											
16	22	Bt	10YR 2/1	5YR 3/3	common distinct	silty clay loam, moist, friable																																																											
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td><input type="checkbox"/> (A1) Histosol</td> <td><input type="checkbox"/> (S4) Sandy Gleyed Matrix</td> <td><input type="checkbox"/> (A16) Coast Prairie Redox</td> </tr> <tr> <td><input type="checkbox"/> (A2) Histic Epipedon</td> <td><input type="checkbox"/> (S5) Sandy Redox</td> <td><input type="checkbox"/> (F12) Iron-Manganese Masses</td> </tr> <tr> <td><input type="checkbox"/> (A3) Black Histic</td> <td><input type="checkbox"/> (S6) Stripped Matrix</td> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> <tr> <td><input type="checkbox"/> (A4) Hydrogen Sulfide</td> <td><input type="checkbox"/> (F1) Loamy Mucky Mineral</td> <td></td> </tr> <tr> <td><input type="checkbox"/> (A5) Stratified Layers</td> <td><input type="checkbox"/> (F2) Loamy Gleyed Matrix</td> <td></td> </tr> <tr> <td><input type="checkbox"/> (A10) 2 cm Muck</td> <td><input type="checkbox"/> (F3) Depleted Matrix</td> <td></td> </tr> <tr> <td><input type="checkbox"/> (A11) Depleted Below Dark Surface</td> <td><input checked="" type="checkbox"/> (F6) Redox Dark Surface</td> <td></td> </tr> <tr> <td><input type="checkbox"/> (A12) Thick Dark Surface</td> <td><input type="checkbox"/> (F7) Depleted Dark Surface</td> <td></td> </tr> <tr> <td><input type="checkbox"/> (S1) Sandy Mucky Mineral</td> <td><input type="checkbox"/> (F8) Redox Depressions</td> <td></td> </tr> <tr> <td><input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat</td> <td></td> <td></td> </tr> </table>						<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix	<input type="checkbox"/> (A16) Coast Prairie Redox	<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox	<input type="checkbox"/> (F12) Iron-Manganese Masses	<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral		<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix		<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix		<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input checked="" type="checkbox"/> (F6) Redox Dark Surface		<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface		<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions		<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat			Indicators for Problematic Hydric Soils ¹ : ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																													
<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix	<input type="checkbox"/> (A16) Coast Prairie Redox																																																															
<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox	<input type="checkbox"/> (F12) Iron-Manganese Masses																																																															
<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix	<input type="checkbox"/> Other (Explain in Remarks)																																																															
<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral																																																																
<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix																																																																
<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix																																																																
<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input checked="" type="checkbox"/> (F6) Redox Dark Surface																																																																
<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface																																																																
<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions																																																																
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat																																																																	
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																											
Remarks: This plot is not located in a wetland. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since no wetland hydrology is evident and hydrophytic vegetation is not dominant.																																																																	

Site: Inaugural South Suburban Airport
 Locale: W08NE3
 Date: August 27, 2008 15 minutes
 By: AECOM: A. Amelse; M. Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W08NE3.inv

FLORISTIC QUALITY DATA	Native	7	87.5%	Adventive	1	12.5%
7 NATIVE SPECIES	Tree	1	12.5%	Tree	0	0.0%
8 Total Species	Shrub	1	12.5%	Shrub	0	0.0%
3.1 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
2.8 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
8.3 NATIVE FQI	P-Forb	3	37.5%	P-Forb	0	0.0%
7.8 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-4.0 NATIVE MEAN W	A-Forb	1	12.5%	A-Forb	0	0.0%
-3.9 W/Adventives	P-Grass	0	0.0%	P-Grass	1	12.5%
AVG: Fac. Wetland (+)	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	1	12.5%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
AGRALA	0 AGROSTIS ALBA	-3 FACW	Ad P-Grass	REDTOP
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
CORRAC	1 Cornus racemosa	-2 FACW-	Nt Shrub	GRAY DOGWOOD
ELEOBT	3 Eleocharis obtusa	-5 OBL	Nt A-Sedge	BLUNT SPIKE RUSH
JUNEFF	7 Juncus effusus	-5 OBL	Nt P-Forb	COMMON RUSH
LEMMIO	5 Lemna minor	-5 OBL	Nt A-Forb	SMALL DUCKWEED
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
TYPANG	1 Typha angustifolia	-5 OBL	Nt P-Forb	NARROW-LEAVED CATTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)										
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Matt Hildreth #2: Ann Amelse						Date: 08/27/08 County: Will State: Illinois Community ID: PEM Station ID: W08NE-3 Plot ID: SC-1				
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Ornamental pond in front yard of house excavated in Upland soil unit-- possibly used as tile outlet				
VEGETATION										
Dominant Species (50/20 Rule)										
	<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>
1.	<i>Typha angustifolia</i>	OBL	HERB	100			7.	--	--	--
2.	--	--	--	--			8.	--	--	--
3.	--	--	--	--			9.	--	--	--
4.	--	--	--	--			10.	--	--	--
5.	--	--	--	--			11.	--	--	--
6.	--	--	--	--			12.	--	--	--
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						100%				
Remarks: Hydrophytic vegetation is dominant.										
HYDROLOGY										
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input checked="" type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test _____ Other (Explain in Remarks)					
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)										
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.										
SOILS										
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained										
Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
Profile Description:										
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.				
Depth	Depth									
0	5	A	2.5Y 4/2	7.5 YR 4/4	common distinct	oxidized rhizospheres silty clay loam, moist, firm				
5	9	Bt1	2.5Y 4/2	10YR 4/4	common distinct	silty clay, moist, firm				
9	13	Bt2	2.5Y 4.5/1	10YR 5/4	common distinct	silty clay, dry, firm				
refusal at 13"										
Hydric Soil Indicators ² :						Indicators for Problematic Hydric Soils ¹ :				
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix <input checked="" type="checkbox"/> (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions				
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)				
Remarks: Hydric soils are present. This plot appears to be located in an inclusion of Ashkum silty clay loam.										
WETLAND DETERMINATION										
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Remarks: This plot is located in a wetland.										

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																									
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Matt Hildreth #2: Ann Amelse						Date: 08/27/08 County: Will State: Illinois Community ID: Upland Station ID: W08NE-3 Plot ID: SC-2																																																			
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Adjacent to ornamental excavated pond (possibly used as tile outlet)																																																			
VEGETATION																																																									
Dominant Species (50/20 Rule)																																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 15%;">Ind. Status</th> <th style="width: 15%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Poa compressa</i></td><td>FACU+</td><td>HERB</td><td>70</td></tr> <tr><td>2. <i>Festuca pratensis</i></td><td>FACU-</td><td>HERB</td><td>15</td></tr> <tr><td>3. <i>Taraxacum officinale</i></td><td>FACU</td><td>HERB</td><td>5</td></tr> <tr><td>4. <i>Trifolium hybridum</i></td><td>FAC-</td><td>HERB</td><td>5</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	Species Name	Ind. Status	Stratum	% Cover	1. <i>Poa compressa</i>	FACU+	HERB	70	2. <i>Festuca pratensis</i>	FACU-	HERB	15	3. <i>Taraxacum officinale</i>	FACU	HERB	5	4. <i>Trifolium hybridum</i>	FAC-	HERB	5	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 15%;">Ind. Status</th> <th style="width: 15%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																						
1. <i>Poa compressa</i>	FACU+	HERB	70																																																						
2. <i>Festuca pratensis</i>	FACU-	HERB	15																																																						
3. <i>Taraxacum officinale</i>	FACU	HERB	5																																																						
4. <i>Trifolium hybridum</i>	FAC-	HERB	5																																																						
5. --	--	--	--																																																						
6. --	--	--	--																																																						
Species Name	Ind. Status	Stratum	% Cover																																																						
7. --	--	--	--																																																						
8. --	--	--	--																																																						
9. --	--	--	--																																																						
10. --	--	--	--																																																						
11. --	--	--	--																																																						
12. --	--	--	--																																																						
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																									
HYDROLOGY																																																									
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																				
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																				
SOILS																																																									
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																									
Profile Description: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>A</td> <td>10YR 3/2</td> <td>NA NA</td> <td>NA NA</td> <td>silt loam, dry, friable</td> </tr> <tr> <td>7</td> <td>20</td> <td>Bt</td> <td>10YR 4/2</td> <td>10YR 4/4</td> <td>common distinct</td> <td>silty clay loam, dry, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	7	A	10YR 3/2	NA NA	NA NA	silt loam, dry, friable	7	20	Bt	10YR 4/2	10YR 4/4	common distinct	silty clay loam, dry, firm																											
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																			
0	7	A	10YR 3/2	NA NA	NA NA	silt loam, dry, friable																																																			
7	20	Bt	10YR 4/2	10YR 4/4	common distinct	silty clay loam, dry, firm																																																			
Hydric Soil Indicators ² : <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																			
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																			
WETLAND DETERMINATION																																																									
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																				
Remarks: This plot is not located in a wetland. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since no wetland hydrology is evident hydrophytic vegetation is not present.																																																									

Site: Inaugural South Suburban Airport
 Locale: W08NE4
 Date: August 27, 2008 30 minutes
 By: AECOM: A. Amelse; M. Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W08NE4.inv

FLORISTIC QUALITY DATA	Native	8	88.9%	Adventive	1	11.1%
8 NATIVE SPECIES	Tree	1	11.1%	Tree	0	0.0%
9 Total Species	Shrub	2	22.2%	Shrub	0	0.0%
2.8 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
2.4 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
7.8 NATIVE FQI	P-Forb	2	22.2%	P-Forb	0	0.0%
7.3 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-3.2 NATIVE MEAN W	A-Forb	2	22.2%	A-Forb	0	0.0%
-3.3 W/Adventives	P-Grass	0	0.0%	P-Grass	1	11.1%
AVG: Fac. Wetland	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	1	11.1%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
APOCAN	4 Apocynum cannabinum	0 FAC	Nt P-Forb	INDIAN HEMP
BIDCER	5 Bidens cernua	-5 OBL	Nt A-Forb	NODDING BUR MARIGOLD
CXVULP	2 Carex vulpinoidea	-5 OBL	Nt P-Sedge	BROWN FOX SEDGE
CORRAC	1 Cornus racemosa	-2 FACW-	Nt Shrub	GRAY DOGWOOD
LEMMIO	5 Lemna minor	-5 OBL	Nt A-Forb	SMALL DUCKWEED
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
SALDIS	2 Salix discolor	-3 FACW	Nt Shrub	PUSSY WILLOW
TYPLAT	1 Typha latifolia	-5 OBL	Nt P-Forb	BROAD-LEAVED CATTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Matt Hildreth #2: Ann Amelse						Date: 08/27/08 County: Will State: Illinois Community ID: PEM Station ID: W08NE-4 Plot ID: SC-1																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Ornamental excavated pond in front yard - possibly used as tile outlet																																																																		
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Salix discolor</i></td> <td>FACW</td> <td>SHRUB</td> <td>10</td> <td></td> <td>7. <i>Cornus foemina</i></td> <td>FACW-</td> <td>SHRUB</td> <td>5</td> </tr> <tr> <td>2. <i>Phalaris arundinacea</i></td> <td>FACW+</td> <td>HERB</td> <td>10</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Typha angustifolia</i></td> <td>OBL</td> <td>HERB</td> <td>40</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Bidens cernua</i></td> <td>OBL</td> <td>HERB</td> <td>5</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Carex vulpinoidea</i></td> <td>OBL</td> <td>HERB</td> <td>5</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Populus deltoides</i></td> <td>FAC+</td> <td>TREE</td> <td>15</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Salix discolor</i>	FACW	SHRUB	10		7. <i>Cornus foemina</i>	FACW-	SHRUB	5	2. <i>Phalaris arundinacea</i>	FACW+	HERB	10		8. --	--	--	--	3. <i>Typha angustifolia</i>	OBL	HERB	40		9. --	--	--	--	4. <i>Bidens cernua</i>	OBL	HERB	5		10. --	--	--	--	5. <i>Carex vulpinoidea</i>	OBL	HERB	5		11. --	--	--	--	6. <i>Populus deltoides</i>	FAC+	TREE	15		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Salix discolor</i>	FACW	SHRUB	10		7. <i>Cornus foemina</i>	FACW-	SHRUB	5																																																																
2. <i>Phalaris arundinacea</i>	FACW+	HERB	10		8. --	--	--	--																																																																
3. <i>Typha angustifolia</i>	OBL	HERB	40		9. --	--	--	--																																																																
4. <i>Bidens cernua</i>	OBL	HERB	5		10. --	--	--	--																																																																
5. <i>Carex vulpinoidea</i>	OBL	HERB	5		11. --	--	--	--																																																																
6. <i>Populus deltoides</i>	FAC+	TREE	15		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input checked="" type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is present Adventitious roots on sapling trunks Aerial photos used for NRCS slide review.																																																																			
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>3</td> <td>A</td> <td>10YR 3/2</td> <td>NA NA</td> <td>NA NA</td> <td>oxidized rhizospheres silt loam, moist, friable</td> </tr> <tr> <td>3</td> <td>9.5</td> <td>BE</td> <td>10YR 4/2</td> <td>10YR 4/6</td> <td>common distinct</td> <td>silty clay loam, moist, firm</td> </tr> <tr> <td>9.5</td> <td>13</td> <td>Bt1</td> <td>10YR 3/1</td> <td>10YR 4/6</td> <td>common distinct</td> <td>silty clay loam, moist, firm</td> </tr> <tr> <td>13</td> <td>20</td> <td>Bt2</td> <td>2.5Y 4/1.5</td> <td>10YR 4/6</td> <td>many prominent</td> <td>clay loam, moist, firm</td> </tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	3	A	10YR 3/2	NA NA	NA NA	oxidized rhizospheres silt loam, moist, friable	3	9.5	BE	10YR 4/2	10YR 4/6	common distinct	silty clay loam, moist, firm	9.5	13	Bt1	10YR 3/1	10YR 4/6	common distinct	silty clay loam, moist, firm	13	20	Bt2	2.5Y 4/1.5	10YR 4/6	many prominent	clay loam, moist, firm																												
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	3	A	10YR 3/2	NA NA	NA NA	oxidized rhizospheres silt loam, moist, friable																																																																		
3	9.5	BE	10YR 4/2	10YR 4/6	common distinct	silty clay loam, moist, firm																																																																		
9.5	13	Bt1	10YR 3/1	10YR 4/6	common distinct	silty clay loam, moist, firm																																																																		
13	20	Bt2	2.5Y 4/1.5	10YR 4/6	many prominent	clay loam, moist, firm																																																																		
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix <input checked="" type="checkbox"/> (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																		
Remarks: Hydric soils are present. Disturbance of native soil horizons is relic of excavation. There is 3" of sediment over Ashkum subsoil and a buried horizon of topsoil.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																		
Remarks: This plot is located in a wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Matt Hildreth #2: Ann Amelse						Date: 08/27/08 County: Will State: Illinois Community ID: Upland Station ID: W08NE-4 Plot ID: SC-2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Adjacent to excavated pond																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Poa compressa</i></td><td>FACU+</td><td>HERB</td><td>70</td></tr> <tr><td>2. <i>Cirsium arvense</i></td><td>FACU</td><td>HERB</td><td>5</td></tr> <tr><td>3. <i>Taraxacum officinale</i></td><td>FACU</td><td>HERB</td><td>15</td></tr> <tr><td>4. <i>Trifolium hybridum</i></td><td>FAC-</td><td>HERB</td><td>25</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Poa compressa</i>	FACU+	HERB	70	2. <i>Cirsium arvense</i>	FACU	HERB	5	3. <i>Taraxacum officinale</i>	FACU	HERB	15	4. <i>Trifolium hybridum</i>	FAC-	HERB	25	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Poa compressa</i>	FACU+	HERB	70																																																														
2. <i>Cirsium arvense</i>	FACU	HERB	5																																																														
3. <i>Taraxacum officinale</i>	FACU	HERB	15																																																														
4. <i>Trifolium hybridum</i>	FAC-	HERB	25																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%						Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																											
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available				Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																													
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>13</td> <td>A</td> <td>10YR 2/2</td> <td>NA NA</td> <td>NA NA</td> <td>silt loam, moist, friable</td> </tr> <tr> <td>13</td> <td>20</td> <td>Bt</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	13	A	10YR 2/2	NA NA	NA NA	silt loam, moist, friable	13	20	Bt	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	13	A	10YR 2/2	NA NA	NA NA	silt loam, moist, friable																																																											
13	20	Bt	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable																																																											
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td><input type="checkbox"/> (A1) Histosol</td> <td><input type="checkbox"/> (S4) Sandy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A2) Histic Epipedon</td> <td><input type="checkbox"/> (S5) Sandy Redox</td> </tr> <tr> <td><input type="checkbox"/> (A3) Black Histic</td> <td><input type="checkbox"/> (S6) Stripped Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A4) Hydrogen Sulfide</td> <td><input type="checkbox"/> (F1) Loamy Mucky Mineral</td> </tr> <tr> <td><input type="checkbox"/> (A5) Stratified Layers</td> <td><input type="checkbox"/> (F2) Loamy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A10) 2 cm Muck</td> <td><input type="checkbox"/> (F3) Depleted Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A11) Depleted Below Dark Surface</td> <td><input type="checkbox"/> (F6) Redox Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (A12) Thick Dark Surface</td> <td><input type="checkbox"/> (F7) Depleted Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (S1) Sandy Mucky Mineral</td> <td><input type="checkbox"/> (F8) Redox Depressions</td> </tr> <tr> <td><input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat</td> <td> </td> </tr> </table>						<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix	<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox	<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix	<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral	<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix	<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix	<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface	<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface	<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat		Indicators for Problematic Hydric Soils ¹ : <table style="width: 100%;"> <tr> <td><input type="checkbox"/> (A16) Coast Prairie Redox</td> </tr> <tr> <td><input type="checkbox"/> (F12) Iron-Manganese Masses</td> </tr> <tr> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> </table> ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)				<input type="checkbox"/> (A16) Coast Prairie Redox	<input type="checkbox"/> (F12) Iron-Manganese Masses	<input type="checkbox"/> Other (Explain in Remarks)																																	
<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix																																																																
<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox																																																																
<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix																																																																
<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral																																																																
<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix																																																																
<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix																																																																
<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface																																																																
<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface																																																																
<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions																																																																
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat																																																																	
<input type="checkbox"/> (A16) Coast Prairie Redox																																																																	
<input type="checkbox"/> (F12) Iron-Manganese Masses																																																																	
<input type="checkbox"/> Other (Explain in Remarks)																																																																	
Remarks: Hydric soils are not present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Remarks: This plot is not located in a wetland.																																																																	

Site: Inaugural South Suburban Airport
 Locale: W08NE5
 Date: August 27, 2008 15 minutes
 By: AECOM: A. Amelse; R. West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W08NE5.inv

FLORISTIC QUALITY DATA	Native	2	66.7%	Adventive	1	33.3%
2 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
3 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
4.5 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
3.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
6.4 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
5.2 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-5.0 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	0	0.0%
-4.7 W/Adventives	P-Grass	0	0.0%	P-Grass	1	33.3%
AVG: Obl. Wetland	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	1	33.3%	P-Sedge	0	0.0%
	A-Sedge	1	33.3%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ELEOBT	3 Eleocharis obtusa	-5 OBL	Nt A-Sedge	BLUNT SPIKE RUSH
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
SCICYP	6 Scirpus cyperinus	-5 OBL	Nt P-Sedge	WOOL GRASS

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																									
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Matt Hildreth #2: Ann Amelse						Date: 08/27/08 County: Will State: Illinois Community ID: PC Station ID: W08NE-5 Plot ID: SC-1																																																			
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybeans - soybeans show signs of being stressed																																																			
VEGETATION																																																									
Dominant Species (50/20 Rule)																																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Scirpus atrovirens</i></td><td>OBL</td><td>HERB</td><td>15</td></tr> <tr><td>2. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>10</td></tr> <tr><td>3. <i>Equisetum arvense</i></td><td>FAC</td><td>HERB</td><td>15</td></tr> <tr><td>4. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>10</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	Species Name	Ind. Status	Stratum	% Cover	1. <i>Scirpus atrovirens</i>	OBL	HERB	15	2. <i>Glycine max</i>	UPL	HERB	10	3. <i>Equisetum arvense</i>	FAC	HERB	15	4. <i>Phalaris arundinacea</i>	FACW+	HERB	10	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																						
1. <i>Scirpus atrovirens</i>	OBL	HERB	15																																																						
2. <i>Glycine max</i>	UPL	HERB	10																																																						
3. <i>Equisetum arvense</i>	FAC	HERB	15																																																						
4. <i>Phalaris arundinacea</i>	FACW+	HERB	10																																																						
5. --	--	--	--																																																						
6. --	--	--	--																																																						
Species Name	Ind. Status	Stratum	% Cover																																																						
7. --	--	--	--																																																						
8. --	--	--	--																																																						
9. --	--	--	--																																																						
10. --	--	--	--																																																						
11. --	--	--	--																																																						
12. --	--	--	--																																																						
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 75% Remarks: Hydrophytic vegetation is dominant.																																																									
HYDROLOGY																																																									
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines X Sediment Deposits X Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data X FAC-Neutral Test _____ Other (Explain in Remarks)																																																				
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																				
SOILS																																																									
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																									
Profile Description: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>9</td> <td>Ap</td> <td>10YR 2/1</td> <td>5YR 3/3</td> <td>common distinct</td> <td>silty clay loam, moist, firm</td> </tr> <tr> <td>9</td> <td>20</td> <td>Bt</td> <td>2.5Y 4/3</td> <td>10YR 4/6</td> <td>common distinct</td> <td>common iron masses silty clay loam, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	9	Ap	10YR 2/1	5YR 3/3	common distinct	silty clay loam, moist, firm	9	20	Bt	2.5Y 4/3	10YR 4/6	common distinct	common iron masses silty clay loam, moist, firm																											
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																			
0	9	Ap	10YR 2/1	5YR 3/3	common distinct	silty clay loam, moist, firm																																																			
9	20	Bt	2.5Y 4/3	10YR 4/6	common distinct	common iron masses silty clay loam, moist, firm																																																			
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix X (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																			
_____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																			
Remarks: Hydric soils are present.																																																									
WETLAND DETERMINATION																																																									
Hydrophytic Vegetation Present? _____ X Yes _____ No Wetland Hydrology Present? _____ X Yes _____ No					Hydric Soils Present? _____ X Yes _____ No Is This Sampling Point Within A Wetland? _____ X Yes _____ No																																																				
Remarks: This plot is located in a wetland.																																																									

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																			
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Matt Hildreth #2: Ann Amelse						Date: 08/27/08 County: Will State: Illinois Community ID: U Station ID: W08NE-5 Plot ID: SC-2																																													
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybeans																																													
VEGETATION																																																			
Dominant Species (50/20 Rule)																																																			
	<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>																																									
1.	Glycine max	UPL	HERB	80		7.	--	--	--	--																																									
2.	--	--	--	--		8.	--	--	--	--																																									
3.	--	--	--	--		9.	--	--	--	--																																									
4.	--	--	--	--		10.	--	--	--	--																																									
5.	--	--	--	--		11.	--	--	--	--																																									
6.	--	--	--	--		12.	--	--	--	--																																									
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																			
Remarks: Hydrophytic vegetation is not dominant.																																																			
HYDROLOGY																																																			
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge _____ X Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																														
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																														
SOILS																																																			
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? _____ X Yes _____ X No																																																			
Profile Description: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top Depth</th> <th style="width: 5%;">Bottom Depth</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>Ap</td> <td>10YR 3/2</td> <td>5YR 4/4</td> <td>few distinct</td> <td>silty clay loam, dry, friable</td> </tr> <tr> <td>7</td> <td>13</td> <td>Bt1</td> <td>10YR 4/3</td> <td>10YR 4/6</td> <td>many distinct</td> <td>silty clay, moist, friable</td> </tr> <tr> <td>13</td> <td>20</td> <td>Bt2</td> <td>2.5Y 4/2</td> <td>10YR 4/6</td> <td>many distinct</td> <td>dark streaks 2.5Y 3/1 silty clay, moist, friable</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	7	Ap	10YR 3/2	5YR 4/4	few distinct	silty clay loam, dry, friable	7	13	Bt1	10YR 4/3	10YR 4/6	many distinct	silty clay, moist, friable	13	20	Bt2	2.5Y 4/2	10YR 4/6	many distinct	dark streaks 2.5Y 3/1 silty clay, moist, friable														
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																													
0	7	Ap	10YR 3/2	5YR 4/4	few distinct	silty clay loam, dry, friable																																													
7	13	Bt1	10YR 4/3	10YR 4/6	many distinct	silty clay, moist, friable																																													
13	20	Bt2	2.5Y 4/2	10YR 4/6	many distinct	dark streaks 2.5Y 3/1 silty clay, moist, friable																																													
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																													
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																													
Remarks: Hydric soils are not present.																																																			
WETLAND DETERMINATION																																																			
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																														
Remarks: This plot is not located in a wetland.																																																			

Site: Inaugural South Suburban Airport
 Locale: WS08NE6
 Date: October 8, 2008 15 minutes
 By: AECOM: A.Amelse; M. Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W08NE6.inv

FLORISTIC QUALITY DATA	Native	2	25.0%	Adventive	6	75.0%
2 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
8 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
2.5 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.6 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
3.5 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
1.8 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.0 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	4	50.0%
1.1 W/Adventives	P-Grass	1	12.5%	P-Grass	0	0.0%
AVG: Fac. Wetland (-)	A-Grass	1	12.5%	A-Grass	2	25.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
CHEALB	0 CHENOPODIUM ALBUM	1 FAC-	Ad A-Forb	LAMB'S QUARTERS
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
HIBTRI	0 HIBISCUS TRIONUM	5 UPL	Ad A-Forb	FLOWER-OF-AN-HOUR
IPOHED	0 IPOMOEA HEDERACEA	0 FAC	Ad A-Forb	IVY-LEAVED MORNING GLORY
PANVIR	5 Panicum virgatum	-1 FAC+	Nt P-Grass	SWITCH GRASS
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
XANSTR	0 XANTHIUM STRUMARIUM	0 FAC	Ad A-Forb	COCKLEBUR
ZEAMAY	0 ZEA MAYS	5 UPL	Ad A-Grass	CORN

DATA FORM														
ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)														
Project/Site: Inaugural South Suburban Airport						Date: 08/27/08								
Applicant/Owner: Illinois Department of Transportation						County: Will								
Investigator #1: Matt Hildreth #2: Ann Amelse						State: Illinois								
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No						Community ID: PEM								
Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No						Station ID: W08NE-6								
Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Plot ID: SC-1								
Remarks: edge of cropped field, herbicide application has made it difficult to identify vegetation to species														
VEGETATION														
Dominant Species (50/20 Rule)														
<i>Species Name</i> Ind. Status Stratum % Cover					<i>Species Name</i> Ind. Status Stratum % Cover									
1. <i>Echinochloa crusgalli</i> FACW HERB 40					7. <i>Juncus sp.</i> unknown HERB 15									
2. <i>Lycopus americanus</i> OBL HERB 5					8. <i>Daucus carota</i> UPL HERB 5									
3. <i>Abutilon theophrasti</i> FACU- HERB 10					9. -- -- -- --									
4. <i>Rumex crispus</i> FAC+ HERB 5					10. -- -- -- --									
5. <i>Ambrosia artemisiifolia</i> FACU HERB 10					11. -- -- -- --									
6. <i>Panicum sp.</i> unknown HERB 10					12. -- -- -- --									
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%														
Remarks: Hydrophytic vegetation is dominant. Vegetation not identified to species is not included in percent dominance calculation.														
HYDROLOGY														
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ <input checked="" type="checkbox"/> Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)									
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)														
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.														
SOILS														
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, erode Series Drainage Class: Moderately well drained														
Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? _____ Yes _____ X No														
Profile Description:														
Top Bottom		Matrix Color		Mottle Colors		Mottle		Texture, moisture, consistency, organic material,						
Depth	Depth	Horizon	(Munsell Moist)	(Munsell Moist)	Abundance/Contrast	and other soil characteristics.								
0	7	Ap	10YR 2/2	NA NA	NA NA	oxy rhizospheres silty clay loam, moist, friable								
7	20	B	10YR 2/2	7.5YR 2.5/3	common distinct	sity clay loam, moist, firm								
Hydric Soil Indicators ² :														
Indicators for Problematic Hydric Soils ¹ :														
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ <input checked="" type="checkbox"/> (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions					_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)				
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.														
² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)														
Remarks: Hydric soils are present.														
WETLAND DETERMINATION														
Hydrophytic Vegetation Present? _____ X Yes _____ No					Hydric Soils Present? _____ X Yes _____ No									
Wetland Hydrology Present? _____ X Yes _____ No					Is This Sampling Point Within A Wetland? _____ X Yes _____ No									
Remarks: This plot is located in a wetland.														

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Matt Hildreth #2: Ann Amelse						Date: 08/28/08 County: Will State: Illinois Community ID: U Station ID: W08NE-6 Plot ID: SC-2																																																											
Do Normal Circumstances Exist On The Site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Site Significantly Disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Area A Potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If yes, define below.)																																																																	
Remarks: Field cropped with soybeans																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>90</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	90	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	90																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, eroder Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 5%;">Top Depth</th> <th style="width: 5%;">Bottom Depth</th> <th style="width: 5%;">Horizon</th> <th style="width: 5%;">Matrix Color (Munsell Moist)</th> <th style="width: 5%;">Mottle Colors (Munsell Moist)</th> <th style="width: 5%;">Mottle Abundance/Contrast</th> <th style="width: 40%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>Ap</td> <td>10YR 3/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, dry, friable</td> </tr> <tr> <td>7</td> <td>21</td> <td>Bt</td> <td>10YR 5/3</td> <td>10YR 5/6</td> <td>many distinct</td> <td>clay loam, moist, firm, some fine gravel</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	7	Ap	10YR 3/1	NA NA	NA NA	silty clay loam, dry, friable	7	21	Bt	10YR 5/3	10YR 5/6	many distinct	clay loam, moist, firm, some fine gravel																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	7	Ap	10YR 3/1	NA NA	NA NA	silty clay loam, dry, friable																																																											
7	21	Bt	10YR 5/3	10YR 5/6	many distinct	clay loam, moist, firm, some fine gravel																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
Remarks: Hydric soils are not present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is This Sampling Point Within A Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																																												
Remarks: This plot is not located in a wetland.																																																																	

Site: Inaugural South Suburban Airport
 Locale: W08NE7
 Date: September 25, 2008 30 minutes
 By: AECOM: Ann Amelse; M.Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W08NE7.inv

FLORISTIC QUALITY DATA	Native	11	73.3%	Adventive	4	26.7%
11 NATIVE SPECIES	Tree	2	13.3%	Tree	0	0.0%
15 Total Species	Shrub	1	6.7%	Shrub	0	0.0%
3.0 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
2.2 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
9.9 NATIVE FQI	P-Forb	4	26.7%	P-Forb	0	0.0%
8.5 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-3.9 NATIVE MEAN W	A-Forb	1	6.7%	A-Forb	0	0.0%
-2.7 W/Adventives	P-Grass	1	6.7%	P-Grass	3	20.0%
AVG: Fac. Wetland (+)	A-Grass	1	6.7%	A-Grass	1	6.7%
	P-Sedge	1	6.7%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
BIDCON	5 Bidens connata	-5 OBL	Nt A-Forb	PURPLE-STEMMED TICKSEED
BROINE	0 BROMUS INERMIS	5 UPL	Ad P-Grass	HUNGARIAN BROME
CORRAC	1 Cornus racemosa	-2 FACW-	Nt Shrub	GRAY DOGWOOD
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
PHRAUS	1 Phragmites australis	-4 FACW+	Nt P-Grass	COMMON REED
POACOM	0 POA COMPRESSA	2 FACU+	Ad P-Grass	CANADA BLUE GRASS
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
POTNOD	7 Potamogeton nodosus	-5 OBL	Nt P-Forb	LONG-LEAVED PONDWEED
SALNIG	4 Salix nigra	-5 OBL	Nt Tree	BLACK WILLOW
SCIVAC	5 Scirpus validus creber	-5 OBL	Nt P-Sedge	GREAT BULRUSH
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
SOLGIG	4 Solidago gigantea	-3 FACW	Nt P-Forb	LATE GOLDENROD
TYPANG	1 Typha angustifolia	-5 OBL	Nt P-Forb	NARROW-LEAVED CATTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/25/08 County: Will State: Illinois Community ID: PEM Station ID: W08NE-7 Plot ID: SC-1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: excavated pond																																																											
Remarks: excavated pond																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Scirpus validus</i></td><td>OBL</td><td>HERB</td><td>15</td></tr> <tr><td>2. <i>Salix nigra</i></td><td>OBL</td><td>TREE</td><td>5</td></tr> <tr><td>3. <i>Aster lateriflorus</i></td><td>FACW-</td><td>HERB</td><td>10</td></tr> <tr><td>4. <i>Solidago gigantea</i></td><td>FACW</td><td>HERB</td><td>5</td></tr> <tr><td>5. <i>Typha angustifolia</i></td><td>OBL</td><td>HERB</td><td>10</td></tr> <tr><td>6. <i>Poa compressa</i></td><td>FACU+</td><td>HERB</td><td>10</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Scirpus validus</i>	OBL	HERB	15	2. <i>Salix nigra</i>	OBL	TREE	5	3. <i>Aster lateriflorus</i>	FACW-	HERB	10	4. <i>Solidago gigantea</i>	FACW	HERB	5	5. <i>Typha angustifolia</i>	OBL	HERB	10	6. <i>Poa compressa</i>	FACU+	HERB	10	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Setaria glauca</i></td><td>FAC</td><td>HERB</td><td>15</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. <i>Setaria glauca</i>	FAC	HERB	15	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Scirpus validus</i>	OBL	HERB	15																																																														
2. <i>Salix nigra</i>	OBL	TREE	5																																																														
3. <i>Aster lateriflorus</i>	FACW-	HERB	10																																																														
4. <i>Solidago gigantea</i>	FACW	HERB	5																																																														
5. <i>Typha angustifolia</i>	OBL	HERB	10																																																														
6. <i>Poa compressa</i>	FACU+	HERB	10																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Setaria glauca</i>	FAC	HERB	15																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 75%																																																																	
Remarks: Hydrophytic vegetation is dominant. Soil core was not taken/recorded because the steep drop into the pond and the depth of the water made soil recovery difficult																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: _____ None Primary Indicators: <input checked="" type="checkbox"/> Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)				Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																													
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, eroder Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: *Soil core was not taken/recorded because the steep drop into the pond and the depth of the water made soil recovery difficult.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Hydric Soils Present? Soil core not taken. <input type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Remarks: This plot is located in a wetland. *Soil core was not taken/recorded because the steep drop into the pond and the depth of the water made soil recovery difficult. Since hydrophytic vegetation and wetland hydrology exist, it is very likely that hydric soils exist.																																																																	

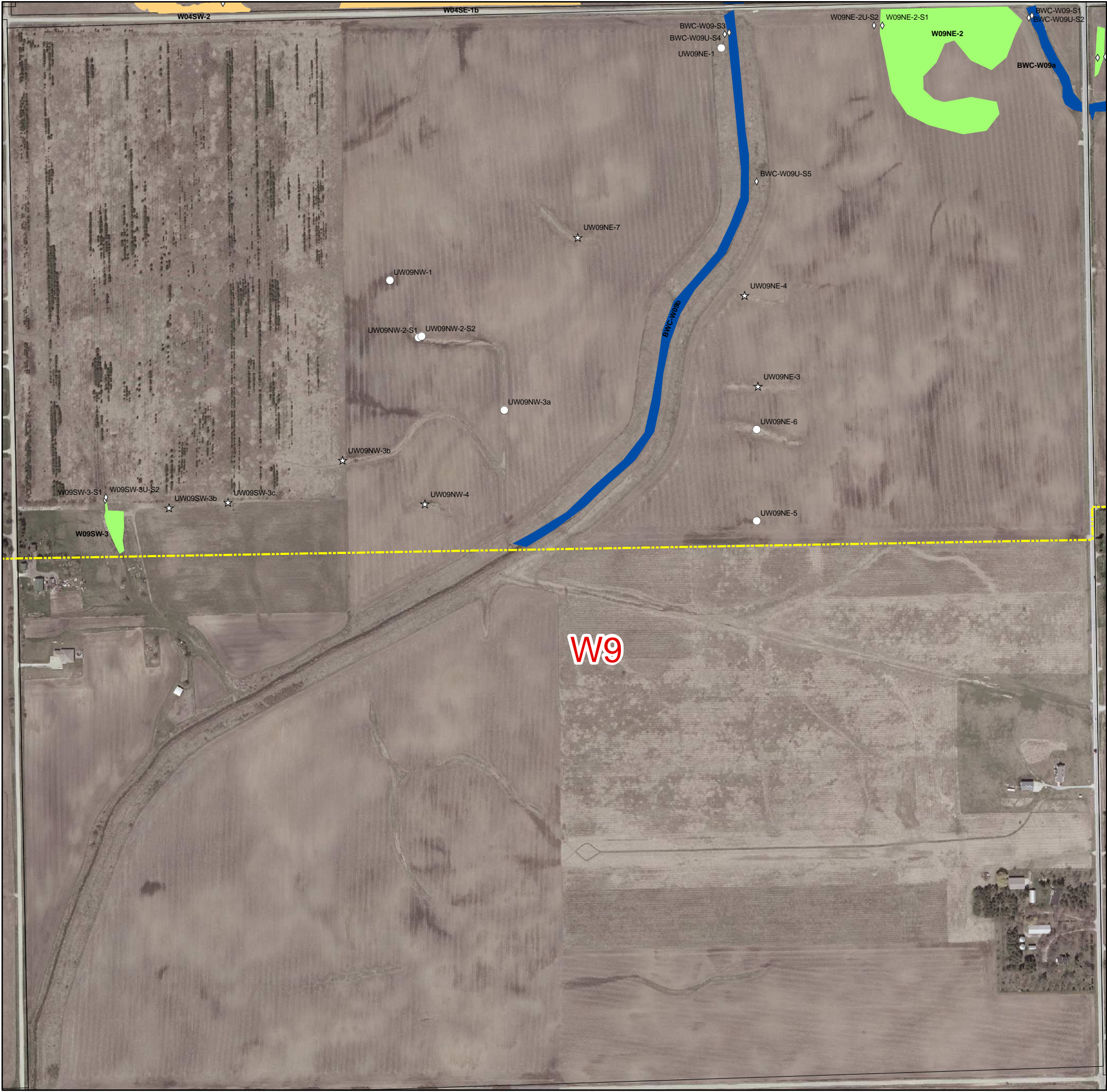
DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/25/08 County: Will State: Illinois Community ID: Upland Station ID: W08NE-7 Plot ID: SC-2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Bank above excavated pond. Approximately 3.5' above water elevation.																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>20</td> </tr> <tr> <td>2. <i>Poa compressa</i></td> <td>FACU+</td> <td>HERB</td> <td>40</td> </tr> <tr> <td>3. <i>Setaria glauca</i></td> <td>FAC</td> <td>HERB</td> <td>20</td> </tr> <tr> <td>4. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	20	2. <i>Poa compressa</i>	FACU+	HERB	40	3. <i>Setaria glauca</i>	FAC	HERB	20	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Bromus inermis</i>	UPL	HERB	20																																																														
2. <i>Poa compressa</i>	FACU+	HERB	40																																																														
3. <i>Setaria glauca</i>	FAC	HERB	20																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 33%						Remarks: Hydrophytic vegetation is not dominant.																																																											
HYDROLOGY																																																																	
Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, eroder Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="text-align: center;">Top Depth</th> <th style="text-align: center;">Bottom Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">11</td> <td style="text-align: center;">A</td> <td style="text-align: center;">10YR 2/1</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">silt loam, moist, friable</td> </tr> <tr> <td style="text-align: center;">11</td> <td style="text-align: center;">17</td> <td style="text-align: center;">Bt</td> <td style="text-align: center;">10YR 3.5/2</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">silty clay loam, moist, friable</td> </tr> <tr> <td style="text-align: center;">17</td> <td style="text-align: center;">21</td> <td style="text-align: center;">Bt2</td> <td style="text-align: center;">2.5Y 4/3</td> <td style="text-align: center;">10YR 5/6</td> <td style="text-align: center;">common distinct</td> <td style="text-align: center;">clay loam, moist, firm</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	11	A	10YR 2/1	NA NA	NA NA	silt loam, moist, friable	11	17	Bt	10YR 3.5/2	NA NA	NA NA	silty clay loam, moist, friable	17	21	Bt2	2.5Y 4/3	10YR 5/6	common distinct	clay loam, moist, firm																												
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	11	A	10YR 2/1	NA NA	NA NA	silt loam, moist, friable																																																											
11	17	Bt	10YR 3.5/2	NA NA	NA NA	silty clay loam, moist, friable																																																											
17	21	Bt2	2.5Y 4/3	10YR 5/6	common distinct	clay loam, moist, firm																																																											
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td><input type="checkbox"/> (A1) Histosol</td> <td><input type="checkbox"/> (S4) Sandy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A2) Histic Epipedon</td> <td><input type="checkbox"/> (S5) Sandy Redox</td> </tr> <tr> <td><input type="checkbox"/> (A3) Black Histic</td> <td><input type="checkbox"/> (S6) Stripped Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A4) Hydrogen Sulfide</td> <td><input type="checkbox"/> (F1) Loamy Mucky Mineral</td> </tr> <tr> <td><input type="checkbox"/> (A5) Stratified Layers</td> <td><input type="checkbox"/> (F2) Loamy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A10) 2 cm Muck</td> <td><input type="checkbox"/> (F3) Depleted Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A11) Depleted Below Dark Surface</td> <td><input type="checkbox"/> (F6) Redox Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (A12) Thick Dark Surface</td> <td><input type="checkbox"/> (F7) Depleted Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (S1) Sandy Mucky Mineral</td> <td><input type="checkbox"/> (F8) Redox Depressions</td> </tr> <tr> <td><input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat</td> <td></td> </tr> </table>						<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix	<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox	<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix	<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral	<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix	<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix	<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface	<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface	<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat		Indicators for Problematic Hydric Soils ¹ : <table style="width: 100%;"> <tr> <td><input type="checkbox"/> (A16) Coast Prairie Redox</td> </tr> <tr> <td><input type="checkbox"/> (F12) Iron-Manganese Masses</td> </tr> <tr> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> </table> ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)				<input type="checkbox"/> (A16) Coast Prairie Redox	<input type="checkbox"/> (F12) Iron-Manganese Masses	<input type="checkbox"/> Other (Explain in Remarks)																																	
<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix																																																																
<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox																																																																
<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix																																																																
<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral																																																																
<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix																																																																
<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix																																																																
<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface																																																																
<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface																																																																
<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions																																																																
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat																																																																	
<input type="checkbox"/> (A16) Coast Prairie Redox																																																																	
<input type="checkbox"/> (F12) Iron-Manganese Masses																																																																	
<input type="checkbox"/> Other (Explain in Remarks)																																																																	
Remarks: Hydric soils not present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/25/08 County: Will State: Illinois Community ID: Upland Station ID: W08NE-8 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Hydrophytic vegetation not dominant and wetland hydrology not present, so soil core not taken.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Festuca pratensis</i></td><td>FACU-</td><td>HERB</td><td>50</td></tr> <tr><td>2. <i>Poa compressa</i></td><td>FACU+</td><td>HERB</td><td>40</td></tr> <tr><td>3. <i>Setaria glauca</i></td><td>FAC</td><td>HERB</td><td>10</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Festuca pratensis</i>	FACU-	HERB	50	2. <i>Poa compressa</i>	FACU+	HERB	40	3. <i>Setaria glauca</i>	FAC	HERB	10	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Festuca pratensis</i>	FACU-	HERB	50																																																														
2. <i>Poa compressa</i>	FACU+	HERB	40																																																														
3. <i>Setaria glauca</i>	FAC	HERB	10																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, eroder Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? no soil core taken Yes <input type="checkbox"/> No <input type="checkbox"/>																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td><input type="checkbox"/> (A1) Histosol</td> <td><input type="checkbox"/> (S4) Sandy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A2) Histic Epipedon</td> <td><input type="checkbox"/> (S5) Sandy Redox</td> </tr> <tr> <td><input type="checkbox"/> (A3) Black Histic</td> <td><input type="checkbox"/> (S6) Stripped Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A4) Hydrogen Sulfide</td> <td><input type="checkbox"/> (F1) Loamy Mucky Mineral</td> </tr> <tr> <td><input type="checkbox"/> (A5) Stratified Layers</td> <td><input type="checkbox"/> (F2) Loamy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A10) 2 cm Muck</td> <td><input type="checkbox"/> (F3) Depleted Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A11) Depleted Below Dark Surface</td> <td><input type="checkbox"/> (F6) Redox Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (A12) Thick Dark Surface</td> <td><input type="checkbox"/> (F7) Depleted Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (S1) Sandy Mucky Mineral</td> <td><input type="checkbox"/> (F8) Redox Depressions</td> </tr> <tr> <td><input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat</td> <td> </td> </tr> </table>						<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix	<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox	<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix	<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral	<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix	<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix	<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface	<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface	<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat		Indicators for Problematic Hydric Soils ¹ : <table style="width: 100%;"> <tr> <td><input type="checkbox"/> (A16) Coast Prairie Redox</td> </tr> <tr> <td><input type="checkbox"/> (F12) Iron-Manganese Masses</td> </tr> <tr> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> </table> ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)				<input type="checkbox"/> (A16) Coast Prairie Redox	<input type="checkbox"/> (F12) Iron-Manganese Masses	<input type="checkbox"/> Other (Explain in Remarks)																																	
<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix																																																																
<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox																																																																
<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix																																																																
<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral																																																																
<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix																																																																
<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix																																																																
<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface																																																																
<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface																																																																
<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions																																																																
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat																																																																	
<input type="checkbox"/> (A16) Coast Prairie Redox																																																																	
<input type="checkbox"/> (F12) Iron-Manganese Masses																																																																	
<input type="checkbox"/> Other (Explain in Remarks)																																																																	
Remarks: Hydrophytic vegetation not dominant and wetland hydrology not present, so soil core not taken.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? Soil core not taken Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in a wetland. *No soil core collected																																																																	

Appendix E Section Will 09

Area ID	Total Depth	Hydric Soil	Native FQI	Comments
UW09NE-1	23	No	NA	
W09NE-2-S1	21	Yes	4.0	Photo E
W09NE-2U-S2	21	No		Photo SE
UW09NE-3	NA	NA	NA	
UW09NE-4	NA	NA	NA	
UW09NE-5	12	No	NA	Photo W
UW09NE-6	12	No	NA	Photo E
UW09NE-7	NA	NA	NA	
UW09NW-1	12	No	NA	
UW09NW-2-S1	20	Yes	NA	Photo E
UW09NW-2-S2	20	No	NA	
UW09NW-3a	12	No	NA	Photo S
UW09NW-3b	12	No	NA	
UW09NW-4	NA	NA	NA	
W09SW-3-S1	21	Yes	10.7	Photo S
W09SW-3U-S2	20	No		
UW09SW-3b	NA	NA	NA	
UW09SW-3c	NA	NA	NA	
BWC-W09-S1	24	Yes	8.8	Photo SE
BWC-W09U-S2	22	Yes		Photo S
BWC-W09-S3	18	Yes	8.9	Photo S
BWC-W09U-S4	23	No		
BWC-W09U-S5	20	No		

NA = not applicable



Legend

Wetland Type

PEM

PSS

PFO

PEM/PFO

PSS/PEM

PFO/PSS

POW

Stream

Wetland Complex

2008 Study Boundary

Sections

○ Upland Soil Cores

☆ Upland Photo Locations

◇ Wetland Soil Cores


N

EXHIBIT E-1J

Will Township Section 9

2008 - 2009 FIELD INVESTIGATION RESULTS

South Suburban Airport



Illinois Department of Transportation

Division of Aeronautics

AECOM

0

250

500

1,000

1,500

Feet

757

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/06/08 County: Will State: Illinois Community ID: Upland Station ID: W09NE-1 Plot ID: S1																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Uncropped area, serves as a buffer between corn field and Black Walnut Creek.																																																																		
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 40%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>60</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Helianthus grosseserratus</i></td> <td>FACW-</td> <td>HERB</td> <td>5</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Cirsium arvense</i></td> <td>FACU</td> <td>HERB</td> <td>10</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Solidago altissima</i></td> <td>FACU</td> <td>HERB</td> <td>5</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	60		7. --	--	--	--	2. <i>Helianthus grosseserratus</i>	FACW-	HERB	5		8. --	--	--	--	3. <i>Cirsium arvense</i>	FACU	HERB	10		9. --	--	--	--	4. <i>Solidago altissima</i>	FACU	HERB	5		10. --	--	--	--	5. --	--	--	--		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Bromus inermis</i>	UPL	HERB	60		7. --	--	--	--																																																																
2. <i>Helianthus grosseserratus</i>	FACW-	HERB	5		8. --	--	--	--																																																																
3. <i>Cirsium arvense</i>	FACU	HERB	10		9. --	--	--	--																																																																
4. <i>Solidago altissima</i>	FACU	HERB	5		10. --	--	--	--																																																																
5. --	--	--	--		11. --	--	--	--																																																																
6. --	--	--	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																								
Remarks: Wetland hydrology is not present. NRCS Slide Review																																																																								
SOILS																																																																								
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>15</td> <td>Ap</td> <td>10YR</td> <td>3/2</td> <td>NA NA</td> <td>sandy clay loam, moist, friable</td> </tr> <tr> <td>15</td> <td>18</td> <td>A</td> <td>10YR</td> <td>3/2</td> <td>7.5YR 4/6</td> <td>sandy clay loam, moist friable</td> </tr> <tr> <td>18</td> <td>23</td> <td>B</td> <td>10YR</td> <td>2/1</td> <td>5YR 3/4</td> <td>organics sandy loam, moist, friable</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	15	Ap	10YR	3/2	NA NA	sandy clay loam, moist, friable	15	18	A	10YR	3/2	7.5YR 4/6	sandy clay loam, moist friable	18	23	B	10YR	2/1	5YR 3/4	organics sandy loam, moist, friable																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	15	Ap	10YR	3/2	NA NA	sandy clay loam, moist, friable																																																																		
15	18	A	10YR	3/2	7.5YR 4/6	sandy clay loam, moist friable																																																																		
18	23	B	10YR	2/1	5YR 3/4	organics sandy loam, moist, friable																																																																		
Hydric Soil Indicators ² : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 45%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </div> </div>						Indicators for Problematic Hydric Soils ¹ : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </div> <div style="width: 45%;"> ¹Indicators of hydrophytic vegetation and wetland hydrology must be present. ²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006) </div> </div>																																																																		
Remarks: Hydric soils are not present. Lower layer appears to be buried horizon under dredge spoil.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Remarks: This plot is not located in a wetland.																																																																								

Site: Inaugural South Suburban Airport
 Locale: W09NE2
 Date: October 6, 2007 15 minutes
 By: AECOM: S. Johnson; T. Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W09NE2.inv

FLORISTIC QUALITY DATA	Native	1	20.0%	Adventive	4	80.0%
1 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
5 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
4.0 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.8 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
4.0 NATIVE FQI	P-Forb	1	20.0%	P-Forb	0	0.0%
1.8 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
0.0 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	3	60.0%
2.0 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Faculative	A-Grass	0	0.0%	A-Grass	1	20.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0	ABUTILON THEOPHRASTI	4	FACU-	Ad A-Forb	VELVETLEAF
APOCAN	4	Apocynum cannabinum	0	FAC	Nt P-Forb	INDIAN HEMP
CHEALB	0	CHENOPODIUM ALBUM	1	FAC-	Ad A-Forb	LAMB'S QUARTERS
GLYNMX	0	GLYCINE MAX	5	UPL	Ad A-Forb	SOY BEAN
SETGLA	0	SETARIA GLAUCA	0	FAC	Ad A-Grass	YELLOW FOXTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/06/08 County: Will State: Illinois Community ID: FW Station ID: W09NE-2 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Agricultural field, farmed wetland.																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	100																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%					Remarks: Hydrophytic vegetation is not dominant.																																																												
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is present. NRCS Slide Review																																																												
SOILS																																																																	
Map Unit Name: Brenton silt loam, 0 to 2 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Aquic Argiudolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>6</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silt loam, moist, friable</td> </tr> <tr> <td>6</td> <td>19</td> <td>A</td> <td>10YR 2/1</td> <td>7.5YR 5/8</td> <td>few distinct</td> <td>organics clay, moist, friable</td> </tr> <tr> <td>19</td> <td>21</td> <td>B</td> <td>2.5Y 2.5/1</td> <td>2.5Y 6/6</td> <td>common distinct</td> <td>gravelly clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	6	Ap	10YR 2/1	NA NA	NA NA	silt loam, moist, friable	6	19	A	10YR 2/1	7.5YR 5/8	few distinct	organics clay, moist, friable	19	21	B	2.5Y 2.5/1	2.5Y 6/6	common distinct	gravelly clay, moist, friable																												
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	6	Ap	10YR 2/1	NA NA	NA NA	silt loam, moist, friable																																																											
6	19	A	10YR 2/1	7.5YR 5/8	few distinct	organics clay, moist, friable																																																											
19	21	B	2.5Y 2.5/1	2.5Y 6/6	common distinct	gravelly clay, moist, friable																																																											
Hydric Soil Indicators ² : <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																											
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in a wetland. Agricultural wetland would support hydrophytic vegetation under normal circumstances.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/06/08 County: Will State: Illinois Community ID: Upland Station ID: W09NE-2 Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? <u> </u> Yes <u> X </u> No Is The Site Significantly Disturbed (Atypical Situation)? <u> </u> Yes <u> X </u> No Is The Area A Potential Problem Area? <u> </u> Yes <u> X </u> No (If yes, define below.)																																																																	
Remarks: Successful soybean crop in agricultural field.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	100																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <u> </u> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <u> </u> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: <u> NA </u> (in.) Depth to Free Water: <u> NA </u> (in.) Depth to Saturated Soil: <u> NA </u> (in.)																																																																	
Remarks: Hydrophytic vegetation is not dominant. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <u> </u> <input checked="" type="checkbox"/> Yes <u> </u> No																																																																	
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>Ap</td> <td>10YR</td> <td>3/1</td> <td>NA NA NA NA</td> <td>sandy loam, moist, friable</td> </tr> <tr> <td>7</td> <td>19</td> <td>A</td> <td>10YR</td> <td>2/1</td> <td>NA NA NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>19</td> <td>21</td> <td>B</td> <td>10YR</td> <td>4/1</td> <td>10YR 5/6 common distinct</td> <td>clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	7	Ap	10YR	3/1	NA NA NA NA	sandy loam, moist, friable	7	19	A	10YR	2/1	NA NA NA NA	silty clay loam, moist, friable	19	21	B	10YR	4/1	10YR 5/6 common distinct	clay, moist, friable																												
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	7	Ap	10YR	3/1	NA NA NA NA	sandy loam, moist, friable																																																											
7	19	A	10YR	2/1	NA NA NA NA	silty clay loam, moist, friable																																																											
19	21	B	10YR	4/1	10YR 5/6 common distinct	clay, moist, friable																																																											
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td><u> </u> (A1) Histosol</td> <td><u> </u> (S4) Sandy Gleyed Matrix</td> </tr> <tr> <td><u> </u> (A2) Histic Epipedon</td> <td><u> </u> (S5) Sandy Redox</td> </tr> <tr> <td><u> </u> (A3) Black Histic</td> <td><u> </u> (S6) Stripped Matrix</td> </tr> <tr> <td><u> </u> (A4) Hydrogen Sulfide</td> <td><u> </u> (F1) Loamy Mucky Mineral</td> </tr> <tr> <td><u> </u> (A5) Stratified Layers</td> <td><u> </u> (F2) Loamy Gleyed Matrix</td> </tr> <tr> <td><u> </u> (A10) 2 cm Muck</td> <td><u> </u> (F3) Depleted Matrix</td> </tr> <tr> <td><u> </u> (A11) Depleted Below Dark Surface</td> <td><u> </u> (F6) Redox Dark Surface</td> </tr> <tr> <td><input checked="" type="checkbox"/> (A12) Thick Dark Surface</td> <td><u> </u> (F7) Depleted Dark Surface</td> </tr> <tr> <td><u> </u> (S1) Sandy Mucky Mineral</td> <td><u> </u> (F8) Redox Depressions</td> </tr> <tr> <td><u> </u> (S3) 5 cm Mucky Peat or Peat</td> <td></td> </tr> </table>						<u> </u> (A1) Histosol	<u> </u> (S4) Sandy Gleyed Matrix	<u> </u> (A2) Histic Epipedon	<u> </u> (S5) Sandy Redox	<u> </u> (A3) Black Histic	<u> </u> (S6) Stripped Matrix	<u> </u> (A4) Hydrogen Sulfide	<u> </u> (F1) Loamy Mucky Mineral	<u> </u> (A5) Stratified Layers	<u> </u> (F2) Loamy Gleyed Matrix	<u> </u> (A10) 2 cm Muck	<u> </u> (F3) Depleted Matrix	<u> </u> (A11) Depleted Below Dark Surface	<u> </u> (F6) Redox Dark Surface	<input checked="" type="checkbox"/> (A12) Thick Dark Surface	<u> </u> (F7) Depleted Dark Surface	<u> </u> (S1) Sandy Mucky Mineral	<u> </u> (F8) Redox Depressions	<u> </u> (S3) 5 cm Mucky Peat or Peat		Indicators for Problematic Hydric Soils ¹ : <table style="width: 100%;"> <tr> <td><u> </u> (A16) Coast Prairie Redox</td> </tr> <tr> <td><u> </u> (F12) Iron-Manganese Masses</td> </tr> <tr> <td><u> </u> Other (Explain in Remarks)</td> </tr> </table> ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)				<u> </u> (A16) Coast Prairie Redox	<u> </u> (F12) Iron-Manganese Masses	<u> </u> Other (Explain in Remarks)																																	
<u> </u> (A1) Histosol	<u> </u> (S4) Sandy Gleyed Matrix																																																																
<u> </u> (A2) Histic Epipedon	<u> </u> (S5) Sandy Redox																																																																
<u> </u> (A3) Black Histic	<u> </u> (S6) Stripped Matrix																																																																
<u> </u> (A4) Hydrogen Sulfide	<u> </u> (F1) Loamy Mucky Mineral																																																																
<u> </u> (A5) Stratified Layers	<u> </u> (F2) Loamy Gleyed Matrix																																																																
<u> </u> (A10) 2 cm Muck	<u> </u> (F3) Depleted Matrix																																																																
<u> </u> (A11) Depleted Below Dark Surface	<u> </u> (F6) Redox Dark Surface																																																																
<input checked="" type="checkbox"/> (A12) Thick Dark Surface	<u> </u> (F7) Depleted Dark Surface																																																																
<u> </u> (S1) Sandy Mucky Mineral	<u> </u> (F8) Redox Depressions																																																																
<u> </u> (S3) 5 cm Mucky Peat or Peat																																																																	
<u> </u> (A16) Coast Prairie Redox																																																																	
<u> </u> (F12) Iron-Manganese Masses																																																																	
<u> </u> Other (Explain in Remarks)																																																																	
Remarks: Hydric soils are present. The "A" layer appears to be buried under a layer of alluvial deposition.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <u> </u> Yes <u> X </u> No Wetland Hydrology Present? <u> </u> Yes <u> X </u> No					Hydric Soils Present? <u> </u> <input checked="" type="checkbox"/> Yes <u> </u> No Is This Sampling Point Within A Wetland? <u> </u> Yes <u> X </u> No																																																												
Remarks: This plot is not located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/06/08 County: Will State: Illinois Community ID: Upland Station ID: W09NE-3 Plot ID: S1																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Tiled, grassed waterway. NRCS slide review site.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>2. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>3. <i>Chenopodium album</i></td><td>FAC-</td><td>HERB</td><td>--</td></tr> <tr><td>4. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>--</td></tr> <tr><td>5. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	--	2. <i>Glycine max</i>	UPL	HERB	--	3. <i>Chenopodium album</i>	FAC-	HERB	--	4. <i>Setaria faberi</i>	FACU+	HERB	--	5. <i>Daucus carota</i>	UPL	HERB	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Bromus inermis</i>	UPL	HERB	--																																																												
2. <i>Glycine max</i>	UPL	HERB	--																																																												
3. <i>Chenopodium album</i>	FAC-	HERB	--																																																												
4. <i>Setaria faberi</i>	FACU+	HERB	--																																																												
5. <i>Daucus carota</i>	UPL	HERB	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%						Remarks: Hydrophytic vegetation is not present. Cover percentages not estimated.																																																									
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																										
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. NRCS Slide Review																																																										
SOILS																																																															
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, eroder Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? No soil core taken* Yes <input type="checkbox"/> No <input type="checkbox"/>																																																															
Profile Description:																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Hydric Soil Indicators ² :																																																															
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																										
Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																															
Remarks: Hydric soils are not mapped. *Vegetation and hydrology do not meet wetland criteria, so soil core not taken.																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? No soil core taken* <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																										
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																										
Remarks: This plot is not located in wetland. *Wetland vegetation and hydrology are not present, so no soil core collected.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/06/08 County: Will State: Illinois Community ID: Upland Station ID: W09NE-4 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Tiled, grassed waterway. NRCS slide review site.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>2. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>3. <i>Chenopodium album</i></td><td>FAC-</td><td>HERB</td><td>--</td></tr> <tr><td>4. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>--</td></tr> <tr><td>5. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>6. <i>Asclepias syriaca</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	--	2. <i>Glycine max</i>	UPL	HERB	--	3. <i>Chenopodium album</i>	FAC-	HERB	--	4. <i>Setaria faberi</i>	FACU+	HERB	--	5. <i>Daucus carota</i>	UPL	HERB	--	6. <i>Asclepias syriaca</i>	UPL	HERB	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Bromus inermis</i>	UPL	HERB	--																																																														
2. <i>Glycine max</i>	UPL	HERB	--																																																														
3. <i>Chenopodium album</i>	FAC-	HERB	--																																																														
4. <i>Setaria faberi</i>	FACU+	HERB	--																																																														
5. <i>Daucus carota</i>	UPL	HERB	--																																																														
6. <i>Asclepias syriaca</i>	UPL	HERB	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant. Cover percentages not recorded.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Symerton silt loam, 5 to 10 percent slopes, erod Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Argiudolls Field Observations Confirm Mapped Type? No soil core taken* Yes <input type="checkbox"/> No <input type="checkbox"/>																																																																	
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top Depth</th> <th style="text-align: center;">Bottom Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
Remarks: Hydric soils are not mapped. *Wetland vegetation and hydrology are not present, so no soil core collected.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? No soil core taken* <input type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Remarks: This plot is not located in a wetland. *Wetland vegetation and hydrology are not present, so no soil core collected.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/06/08 County: Will State: Illinois Community ID: Upland Station ID: W09NE-5 Plot ID: S1																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Small hillside depression in agricultural field. Soybean crop is not stressed. NRCS slide review site.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>90</td></tr> <tr><td>2. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>10</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Glycine max</i>	UPL	HERB	90	2. <i>Setaria faberi</i>	FACU+	HERB	10	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Glycine max</i>	UPL	HERB	90																																																												
2. <i>Setaria faberi</i>	FACU+	HERB	10																																																												
3. --	--	--	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not present.																																																															
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																											
Remarks: Wetland hydrology is not present. NRCS Slide Review																																																															
SOILS																																																															
Map Unit Name: Elliott silt loam, 2 to 4 percent slopes Taxonomy (Subgroup): Aquic Argiudolls				Series Drainage Class: Somewhat poorly drained Field Observations Confirm Mapped Type? _____ X Yes _____ No																																																											
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>5</td> <td>Ap</td> <td>10YR 3/2</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>5</td> <td>12</td> <td>A</td> <td>10YR 5/4</td> <td>10YR 3/1 10YR 4/6</td> <td>common distinct</td> <td>clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	5	Ap	10YR 3/2	NA NA	NA NA	silty clay loam, moist, friable	5	12	A	10YR 5/4	10YR 3/1 10YR 4/6	common distinct	clay, moist, friable																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
0	5	Ap	10YR 3/2	NA NA	NA NA	silty clay loam, moist, friable																																																									
5	12	A	10YR 5/4	10YR 3/1 10YR 4/6	common distinct	clay, moist, friable																																																									
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																									
_____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																									
Remarks: Hydric soils are not present. Soil probe refusal at 12 inches. Hard clay layer.																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No				Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																											
Remarks: This plot is not located in a wetland.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/06/08 County: Will State: Illinois Community ID: Upland Station ID: W09NE-6 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Tiled, grassed waterway. NRCS slide review site.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>2. <i>Ambrosia artemisiifolia</i></td><td>FACU</td><td>HERB</td><td>--</td></tr> <tr><td>3. <i>Asclepias syriaca</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>4. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>5. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>6. <i>Solidago altissima</i></td><td>FACU</td><td>HERB</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Glycine max</i>	UPL	HERB	--	2. <i>Ambrosia artemisiifolia</i>	FACU	HERB	--	3. <i>Asclepias syriaca</i>	UPL	HERB	--	4. <i>Bromus inermis</i>	UPL	HERB	--	5. <i>Daucus carota</i>	UPL	HERB	--	6. <i>Solidago altissima</i>	FACU	HERB	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Cirsium arvense</i></td><td>FACU</td><td>HERB</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. <i>Cirsium arvense</i>	FACU	HERB	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Glycine max</i>	UPL	HERB	--																																																														
2. <i>Ambrosia artemisiifolia</i>	FACU	HERB	--																																																														
3. <i>Asclepias syriaca</i>	UPL	HERB	--																																																														
4. <i>Bromus inermis</i>	UPL	HERB	--																																																														
5. <i>Daucus carota</i>	UPL	HERB	--																																																														
6. <i>Solidago altissima</i>	FACU	HERB	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Cirsium arvense</i>	FACU	HERB	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not present. Cover percentages not recorded.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Agricultural drain tile is functioning. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, erodec Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>5</td> <td>Ap</td> <td>10YR 3/2</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>5</td> <td>12</td> <td>A</td> <td>10YR 4/3</td> <td>10YR 3/1 5/6</td> <td>common distinct</td> <td>mixed layer clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	5	Ap	10YR 3/2	NA NA	NA NA	silty clay loam, moist, friable	5	12	A	10YR 4/3	10YR 3/1 5/6	common distinct	mixed layer clay, moist, friable																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	5	Ap	10YR 3/2	NA NA	NA NA	silty clay loam, moist, friable																																																											
5	12	A	10YR 4/3	10YR 3/1 5/6	common distinct	mixed layer clay, moist, friable																																																											
Hydric Soil Indicators ² : <table style="width:100%;"> <tr> <td style="width:50%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </td> <td style="width:50%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </td> </tr> </table>						<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																									
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																
Remarks: Hydric soils are not present. Soil probe refusal at 12 inches due to hard clay layer.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in a wetland.																																																																	

DATA FORM												
ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)												
Project/Site: Inaugural South Suburban Airport					Date: 10/07/08							
Applicant/Owner: Illinois Department of Transportation					County: Will							
Investigator #1: Sarah Johnson #2: Tory Schultz					State: Illinois							
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Community ID: Upland							
Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Station ID: W09NE-7							
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)					Plot ID: NA							
Remarks: Grassed waterway with exposed tile outlet near Black Walnut Creek. . NRCS slide review site.												
VEGETATION												
Dominant Species (50/20 Rule)												
<u>Species Name</u>				<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>	<u>Species Name</u>			<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>
1.	<i>Phalaris arundinacea</i>			FACW+	HERB	15	7.	--			--	--
2.	<i>Bromus inermis</i>			UPL	HERB	15	8.	--			--	--
3.	<i>Setaria faberi</i>			FACU+	HERB	15	9.	--			--	--
4.	<i>Asclepias syriaca</i>			UPL	HERB	15	10.	--			--	--
5.	<i>Abutilon theophrasti</i>			FACU-	HERB	15	11.	--			--	--
6.	<i>Echinochloa crusgalli</i>			FACW	HERB	15	12.	--			--	--
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 33%												
Remarks: Hydrophytic vegetation is not dominant. Area is well drained with dominant upland vegetation												
HYDROLOGY												
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): ____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos ____ Other (Describe in Remarks) ____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: ____ Inundated ____ Saturated in Upper 12 Inches ____ Water Marks ____ Drift Lines ____ Sediment Deposits ____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): ____ Oxidized Root Channels In Upper 12 Inches ____ Water-Stained Leaves ____ Local Soil Survey Data ____ FAC-Neutral Test ____ Other (Explain in Remarks)							
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)												
Remarks: Wetland hydrology is not present. Field tile drains area. NRCS Slide Review												
SOILS												
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained												
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? No soil core taken* <input type="checkbox"/> Yes <input type="checkbox"/> No												
Profile Description:												
Top	Bottom		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,						
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	and other soil characteristics.						
Hydric Soil Indicators ² :										Indicators for Problematic Hydric Soils ¹ :		
<input type="checkbox"/> (A1) Histosol			<input type="checkbox"/> (S4) Sandy Gleyed Matrix			<input type="checkbox"/> (A16) Coast Prairie Redox						
<input type="checkbox"/> (A2) Histic Epipedon			<input type="checkbox"/> (S5) Sandy Redox			<input type="checkbox"/> (F12) Iron-Manganese Masses						
<input type="checkbox"/> (A3) Black Histic			<input type="checkbox"/> (S6) Stripped Matrix			<input type="checkbox"/> Other (Explain in Remarks)						
<input type="checkbox"/> (A4) Hydrogen Sulfide			<input type="checkbox"/> (F1) Loamy Mucky Mineral									
<input type="checkbox"/> (A5) Stratified Layers			<input type="checkbox"/> (F2) Loamy Gleyed Matrix									
<input type="checkbox"/> (A10) 2 cm Muck			<input type="checkbox"/> (F3) Depleted Matrix									
<input type="checkbox"/> (A11) Depleted Below Dark Surface			<input type="checkbox"/> (F6) Redox Dark Surface									
<input type="checkbox"/> (A12) Thick Dark Surface			<input type="checkbox"/> (F7) Depleted Dark Surface									
<input type="checkbox"/> (S1) Sandy Mucky Mineral			<input type="checkbox"/> (F8) Redox Depressions									
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat												
Remarks: Hydric soils are mapped. *Wetland vegetation and hydrology are not present, so no soil core collected.												
WETLAND DETERMINATION												
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? No soil core taken* <input type="checkbox"/> Yes <input type="checkbox"/> No							
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Remarks: This plot is not located in a wetland. *Wetland vegetation and hydrology are not present, so no soil core collected.												

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/07/08 County: Will State: Illinois Community ID: Upland Station ID: W09NW-1 Plot ID: S1																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Agricultural area, no crop stress. NRCS slide review wetland.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Zea mays</i></td><td>UPL</td><td>HERB</td><td>60</td></tr> <tr><td>2. <i>Hibiscus trionum</i></td><td>UPL</td><td>HERB</td><td>10</td></tr> <tr><td>3. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>10</td></tr> <tr><td>4. <i>Barbarea vulgaris</i></td><td>FAC</td><td>HERB</td><td>10</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Zea mays</i>	UPL	HERB	60	2. <i>Hibiscus trionum</i>	UPL	HERB	10	3. <i>Setaria faberi</i>	FACU+	HERB	10	4. <i>Barbarea vulgaris</i>	FAC	HERB	10	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Zea mays</i>	UPL	HERB	60																																																												
2. <i>Hibiscus trionum</i>	UPL	HERB	10																																																												
3. <i>Setaria faberi</i>	FACU+	HERB	10																																																												
4. <i>Barbarea vulgaris</i>	FAC	HERB	10																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																															
HYDROLOGY																																																															
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																										
Remarks: Wetland hydrology is not present. NRCS Slide Review																																																															
SOILS																																																															
Map Unit Name: Ozaukee silt loam, 6 to 12 percent slopes, erode Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																															
Profile Description:																																																															
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
0	7	Ap	10YR 3/1	NA	NA	silty clay loam, moist, friable																																																									
7	12	A	10YR 3/1	10YR 5/2	6/6 faint distinct	silty clay loam, moist, friable																																																									
Hydric Soil Indicators ² :																																																															
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																										
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)					¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																										
Remarks: Hydric soils are not present. No hydric indicators in upper 12"																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																										
Remarks: This plot is not located in a wetland.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/07/08 County: Will State: Illinois Community ID: Upland Station ID: W09NW-2 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Tiled, grassed waterway. Wetland vegetation present only in tire ruts. NRCS slide review site.																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Setaria glauca</i></td><td>FAC</td><td>HERB</td><td>15</td></tr> <tr><td>2. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>15</td></tr> <tr><td>3. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>30</td></tr> <tr><td>4. <i>Ambrosia artemisiifolia</i></td><td>FACU</td><td>HERB</td><td>5</td></tr> <tr><td>5. <i>Amaranthus retroflexus</i></td><td>FACU+</td><td>HERB</td><td>5</td></tr> <tr><td>6. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>10</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Setaria glauca</i>	FAC	HERB	15	2. <i>Setaria faberi</i>	FACU+	HERB	15	3. <i>Phalaris arundinacea</i>	FACW+	HERB	30	4. <i>Ambrosia artemisiifolia</i>	FACU	HERB	5	5. <i>Amaranthus retroflexus</i>	FACU+	HERB	5	6. <i>Echinochloa crusgalli</i>	FACW	HERB	10	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Festuca elatior</i></td><td>FACU+</td><td>HERB</td><td>10</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. <i>Festuca elatior</i>	FACU+	HERB	10	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Setaria glauca</i>	FAC	HERB	15																																																														
2. <i>Setaria faberi</i>	FACU+	HERB	15																																																														
3. <i>Phalaris arundinacea</i>	FACW+	HERB	30																																																														
4. <i>Ambrosia artemisiifolia</i>	FACU	HERB	5																																																														
5. <i>Amaranthus retroflexus</i>	FACU+	HERB	5																																																														
6. <i>Echinochloa crusgalli</i>	FACW	HERB	10																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Festuca elatior</i>	FACU+	HERB	10																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):					67%																																																												
Remarks: Hydrophytic vegetation is dominant. Isolated pockets of wet vegetation scattered in tire ruts																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)					Remarks: Wetland hydrology is not present. Agricultural drainage tile functions. NRCS Slide Review																																																												
SOILS																																																																	
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>5</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA</td> <td>NA</td> <td>organics mixed in silty clay loam, moist, friable</td> </tr> <tr> <td>5</td> <td>12</td> <td>A</td> <td>10YR 4/1</td> <td>10YR 5/6</td> <td>common</td> <td>distinct silty clay, moist, friable</td> </tr> <tr> <td>12</td> <td>20</td> <td>B</td> <td>10YR 5/2</td> <td>10YR 5/6</td> <td>common</td> <td>distinct clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	5	Ap	10YR 2/1	NA	NA	organics mixed in silty clay loam, moist, friable	5	12	A	10YR 4/1	10YR 5/6	common	distinct silty clay, moist, friable	12	20	B	10YR 5/2	10YR 5/6	common	distinct clay, moist, friable																												
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	5	Ap	10YR 2/1	NA	NA	organics mixed in silty clay loam, moist, friable																																																											
5	12	A	10YR 4/1	10YR 5/6	common	distinct silty clay, moist, friable																																																											
12	20	B	10YR 5/2	10YR 5/6	common	distinct clay, moist, friable																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface <input checked="" type="checkbox"/> (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot not located in wetland. *Wetland vegetation present only in several small (<5ftx5ft) discontinuous pockets caused by tire ruts. Due to the size of the pockets and evidence of disturbance these area were not singled out.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/07/08 County: Will State: Illinois Community ID: Upland Station ID: W09NW-2 Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Tiled, grassed waterway. NRCS slide review site.																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Taraxacum officinale</i></td><td>FACU</td><td>HERB</td><td>10</td></tr> <tr><td>2. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>15</td></tr> <tr><td>3. <i>Solidago altissima</i></td><td>FACU</td><td>HERB</td><td>15</td></tr> <tr><td>4. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>10</td></tr> <tr><td>5. <i>Ambrosia artemisiifolia</i></td><td>FACU</td><td>HERB</td><td>10</td></tr> <tr><td>6. <i>Aster lateriflorus</i></td><td>FACW-</td><td>HERB</td><td>10</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Taraxacum officinale</i>	FACU	HERB	10	2. <i>Setaria faberi</i>	FACU+	HERB	15	3. <i>Solidago altissima</i>	FACU	HERB	15	4. <i>Daucus carota</i>	UPL	HERB	10	5. <i>Ambrosia artemisiifolia</i>	FACU	HERB	10	6. <i>Aster lateriflorus</i>	FACW-	HERB	10	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Festuca elatior</i></td><td>UPL</td><td>HERB</td><td>20</td></tr> <tr><td>8. <i>Cirsium arvense</i></td><td>FACU</td><td>HERB</td><td>10</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. <i>Festuca elatior</i>	UPL	HERB	20	8. <i>Cirsium arvense</i>	FACU	HERB	10	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Taraxacum officinale</i>	FACU	HERB	10																																																														
2. <i>Setaria faberi</i>	FACU+	HERB	15																																																														
3. <i>Solidago altissima</i>	FACU	HERB	15																																																														
4. <i>Daucus carota</i>	UPL	HERB	10																																																														
5. <i>Ambrosia artemisiifolia</i>	FACU	HERB	10																																																														
6. <i>Aster lateriflorus</i>	FACW-	HERB	10																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Festuca elatior</i>	UPL	HERB	20																																																														
8. <i>Cirsium arvense</i>	FACU	HERB	10																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%						Remarks: Hydrophytic vegetation is not dominant.																																																											
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. NRCS Slide Review																																																												
SOILS																																																																	
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>Ap</td> <td>10YR 3/1</td> <td>NA</td> <td>NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>7</td> <td>14</td> <td>A</td> <td>10YR 3/2</td> <td>10YR 5/8</td> <td>common</td> <td>distinct silty clay, moist, friable</td> </tr> <tr> <td>14</td> <td>20</td> <td>B</td> <td>10YR 5/2</td> <td>10YR 5/8</td> <td>many</td> <td>distinct prominent clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	7	Ap	10YR 3/1	NA	NA	silty clay loam, moist, friable	7	14	A	10YR 3/2	10YR 5/8	common	distinct silty clay, moist, friable	14	20	B	10YR 5/2	10YR 5/8	many	distinct prominent clay, moist, friable																												
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	7	Ap	10YR 3/1	NA	NA	silty clay loam, moist, friable																																																											
7	14	A	10YR 3/2	10YR 5/8	common	distinct silty clay, moist, friable																																																											
14	20	B	10YR 5/2	10YR 5/8	many	distinct prominent clay, moist, friable																																																											
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td><input type="checkbox"/> (A1) Histosol</td> <td><input type="checkbox"/> (S4) Sandy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A2) Histic Epipedon</td> <td><input type="checkbox"/> (S5) Sandy Redox</td> </tr> <tr> <td><input type="checkbox"/> (A3) Black Histic</td> <td><input type="checkbox"/> (S6) Stripped Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A4) Hydrogen Sulfide</td> <td><input type="checkbox"/> (F1) Loamy Mucky Mineral</td> </tr> <tr> <td><input type="checkbox"/> (A5) Stratified Layers</td> <td><input type="checkbox"/> (F2) Loamy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A10) 2 cm Muck</td> <td><input type="checkbox"/> (F3) Depleted Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A11) Depleted Below Dark Surface</td> <td><input type="checkbox"/> (F6) Redox Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (A12) Thick Dark Surface</td> <td><input type="checkbox"/> (F7) Depleted Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (S1) Sandy Mucky Mineral</td> <td><input type="checkbox"/> (F8) Redox Depressions</td> </tr> <tr> <td><input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat</td> <td> </td> </tr> </table>						<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix	<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox	<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix	<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral	<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix	<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix	<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface	<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface	<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat		Indicators for Problematic Hydric Soils ¹ : <table style="width: 100%;"> <tr> <td><input type="checkbox"/> (A16) Coast Prairie Redox</td> </tr> <tr> <td><input type="checkbox"/> (F12) Iron-Manganese Masses</td> </tr> <tr> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> </table> ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)				<input type="checkbox"/> (A16) Coast Prairie Redox	<input type="checkbox"/> (F12) Iron-Manganese Masses	<input type="checkbox"/> Other (Explain in Remarks)																																	
<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix																																																																
<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox																																																																
<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix																																																																
<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral																																																																
<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix																																																																
<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix																																																																
<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface																																																																
<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface																																																																
<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions																																																																
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat																																																																	
<input type="checkbox"/> (A16) Coast Prairie Redox																																																																	
<input type="checkbox"/> (F12) Iron-Manganese Masses																																																																	
<input type="checkbox"/> Other (Explain in Remarks)																																																																	
Remarks: Hydric soils are not present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/07/08 County: Will State: Illinois Community ID: Upland Station ID: W09NW-3 Plot ID: S1																																																									
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Tiled, grassed waterway in corn field. NRCS slide review site.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Zea mays</i></td><td>UPL</td><td>HERB</td><td>60</td></tr> <tr><td>2. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>20</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Zea mays</i>	UPL	HERB	60	2. <i>Phalaris arundinacea</i>	FACW+	HERB	20	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Zea mays</i>	UPL	HERB	60																																																												
2. <i>Phalaris arundinacea</i>	FACW+	HERB	20																																																												
3. --	--	--	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 50% Remarks: Hydrophytic vegetation is not dominant.																																																															
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																											
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)				Remarks: Wetland hydrology is not present. NRCS Slide Review																																																											
SOILS																																																															
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, erodec Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																															
Profile Description: <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width:5%;">Top Depth</th> <th style="width:5%;">Bottom Depth</th> <th style="width:10%;">Horizon</th> <th style="width:10%;">Matrix Color (Munsell Moist):</th> <th style="width:10%;">Mottle Colors (Munsell Moist):</th> <th style="width:10%;">Mottle Abundance/Contrast</th> <th style="width:50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>8</td> <td>Ap</td> <td>10YR 3/2</td> <td>10YR 5/6 10YR 5/4</td> <td>faint faint</td> <td>prominent prominent silty clay loam, moist, friable</td> </tr> <tr> <td>8</td> <td>9</td> <td>A</td> <td>10YR 3/1</td> <td>10YR 5/8</td> <td>common</td> <td>prominent silty clay loam, moist, friable</td> </tr> <tr> <td>9</td> <td>12</td> <td>BA</td> <td>10YR 3/2</td> <td>10YR 5/8</td> <td>common</td> <td>prominent silty clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	8	Ap	10YR 3/2	10YR 5/6 10YR 5/4	faint faint	prominent prominent silty clay loam, moist, friable	8	9	A	10YR 3/1	10YR 5/8	common	prominent silty clay loam, moist, friable	9	12	BA	10YR 3/2	10YR 5/8	common	prominent silty clay loam, moist, friable																										
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
0	8	Ap	10YR 3/2	10YR 5/6 10YR 5/4	faint faint	prominent prominent silty clay loam, moist, friable																																																									
8	9	A	10YR 3/1	10YR 5/8	common	prominent silty clay loam, moist, friable																																																									
9	12	BA	10YR 3/2	10YR 5/8	common	prominent silty clay loam, moist, friable																																																									
Hydric Soil Indicators ² : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 45%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </div> </div>						Indicators for Problematic Hydric Soils ¹ : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) </div> <div style="width: 45%;"> ¹Indicators of hydrophytic vegetation and wetland hydrology must be present. ²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006) </div> </div>																																																									
Remarks: Hydric soils are not present. Profile is consistant with mapped Markham soil. Indicators do not quite meet F6 indicator																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																											
Remarks: This plot is not located in wetland.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/07/08 County: Will State: Illinois Community ID: Upland Station ID: W09NW-3b Plot ID: S1																																																									
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Tiled, grassed waterway. NRCS slide review site.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Zea mays</td><td>UPL</td><td>HERB</td><td>60</td></tr> <tr><td>2. Phalaris arundinacea</td><td>FACW+</td><td>HERB</td><td>20</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Zea mays	UPL	HERB	60	2. Phalaris arundinacea	FACW+	HERB	20	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. Zea mays	UPL	HERB	60																																																												
2. Phalaris arundinacea	FACW+	HERB	20																																																												
3. --	--	--	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 50% Remarks: Hydrophytic vegetation is not dominant.																																																															
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																											
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)				Remarks: Wetland hydrology is not present. NRCS Slide Review																																																											
SOILS																																																															
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, erodec Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																															
Profile Description: <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>8</td> <td>Ap</td> <td>10YR 3/2</td> <td>10YR 5/6 10YR 5/4</td> <td>faint faint</td> <td>prominent prominent silty clay loam, moist, friable</td> </tr> <tr> <td>8</td> <td>9</td> <td>A</td> <td>10YR 3/1</td> <td>10YR 5/8</td> <td>common</td> <td>prominent silty clay loam, moist, friable</td> </tr> <tr> <td>9</td> <td>12</td> <td>BA</td> <td>10YR 3/2</td> <td>10YR 5/8</td> <td>common</td> <td>prominent silty clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	8	Ap	10YR 3/2	10YR 5/6 10YR 5/4	faint faint	prominent prominent silty clay loam, moist, friable	8	9	A	10YR 3/1	10YR 5/8	common	prominent silty clay loam, moist, friable	9	12	BA	10YR 3/2	10YR 5/8	common	prominent silty clay loam, moist, friable																										
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
0	8	Ap	10YR 3/2	10YR 5/6 10YR 5/4	faint faint	prominent prominent silty clay loam, moist, friable																																																									
8	9	A	10YR 3/1	10YR 5/8	common	prominent silty clay loam, moist, friable																																																									
9	12	BA	10YR 3/2	10YR 5/8	common	prominent silty clay loam, moist, friable																																																									
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																									
1Indicators of hydrophytic vegetation and wetland hydrology must be present.						2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																									
Remarks: Hydric soils are not present. Profile is consistant with mapped Markham soil. Indicators do not quite meet F6 indicator. Upper 12 inches checked for hydric indicators.																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																											
Remarks: This plot is not located in a wetland.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/07/08 County: Will State: Illinois Community ID: Upland Station ID: W09NW-4 Plot ID: NA																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Alfalfa field. NRCS slide review site.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Festuca elatior</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>2. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>--</td></tr> <tr><td>3. <i>Ambrosia artemisiifolia</i></td><td>FACU</td><td>HERB</td><td>--</td></tr> <tr><td>4. <i>Trifolium pratense</i></td><td>FACU+</td><td>HERB</td><td>--</td></tr> <tr><td>5. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Festuca elatior</i>	UPL	HERB	--	2. <i>Setaria faberi</i>	FACU+	HERB	--	3. <i>Ambrosia artemisiifolia</i>	FACU	HERB	--	4. <i>Trifolium pratense</i>	FACU+	HERB	--	5. <i>Daucus carota</i>	UPL	HERB	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Festuca elatior</i>	UPL	HERB	--																																																												
2. <i>Setaria faberi</i>	FACU+	HERB	--																																																												
3. <i>Ambrosia artemisiifolia</i>	FACU	HERB	--																																																												
4. <i>Trifolium pratense</i>	FACU+	HERB	--																																																												
5. <i>Daucus carota</i>	UPL	HERB	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%						Remarks: Hydrophytic vegetation is not present. Cover percentages not recorded.																																																									
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																										
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology is not present. NRCS Slide Review																																																										
SOILS																																																															
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes, eroded Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? No soil core taken* Yes _____ No _____																																																															
Profile Description:																																																															
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Hydric Soil Indicators ² :																																																															
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																										
Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																															
Remarks: Hydric soils are not mapped. *Wetland vegetation and hydrology are not present, so no soil core collected.																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? _____ Yes _____ X No					Hydric Soils Present? No soil core taken* _____ Yes _____ X No																																																										
Wetland Hydrology Present? _____ Yes _____ X No					Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																										
Remarks: This plot is not located in a wetland. *Wetland vegetation and hydrology are not present, so no soil core collected.																																																															

Site: Inaugural South Suburban Airport
 Locale: W09SW3
 Date: October 7, 2008 1 hours
 By: AECOM: S. Johnson; T. Schultz
 File: c:\FQA\studies\SSA\W09SW3.inv

FLORISTIC QUALITY DATA	Native	21	70.0%	Adventive	9	30.0%
21 NATIVE SPECIES	Tree	3	10.0%	Tree	2	6.7%
30 Total Species	Shrub	3	10.0%	Shrub	0	0.0%
2.3 NATIVE MEAN C	W-Vine	1	3.3%	W-Vine	1	3.3%
1.6 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
10.7 NATIVE FQI	P-Forb	6	20.0%	P-Forb	1	3.3%
8.9 W/Adventives	B-Forb	0	0.0%	B-Forb	2	6.7%
-2.5 NATIVE MEAN W	A-Forb	4	13.3%	A-Forb	1	3.3%
-1.3 W/Adventives	P-Grass	0	0.0%	P-Grass	2	6.7%
AVG: Fac. Wetland (-)	A-Grass	1	3.3%	A-Grass	0	0.0%
	P-Sedge	3	10.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0 ABUTILON THEOPHRASTI	4 FACU-	Ad A-Forb	VELVETLEAF
ACENEG	0 Acer negundo	-2 FACW-	Nt Tree	BOX ELDER
AGRALA	0 AGROSTIS ALBA	-3 FACW	Ad P-Grass	REDTOP
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ASTLAT	4 Aster lateriflorus	-2 FACW-	Nt P-Forb	SIDE-FLOWERING ASTER
ASTSII	3 Aster simplex interior	-5 [OBL]	Nt P-Forb	MARSH ASTER
BIDCON	5 Bidens connata	-5 OBL	Nt A-Forb	PURPLE-STEMMED TICKSEED
CXCRIS	4 Carex cristatella	-4 FACW+	Nt P-Sedge	CRESTED OVAL SEDGE
CORRAC	1 Cornus racemosa	-2 FACW-	Nt Shrub	GRAY DOGWOOD
CORSTO	6 Cornus stolonifera	-3 FACW	Nt Shrub	RED-OSIER DOGWOOD
CYPESC	0 Cyperus esculentus	-1 [FAC+]	Nt P-Sedge	FIELD NUT SEDGE
DAUCAR	0 DAUCUS CAROTA	5 UPL	Ad B-Forb	QUEEN ANNE'S LACE
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
JUNDUD	4 Juncus dudleyi	0 [FAC]	Nt P-Forb	DUDLEY'S RUSH
PANDII	0 Panicum dichotomiflorum	-2 FACW-	Nt A-Grass	KNEE GRASS
PASSAT	0 PASTINACA SATIVA	5 UPL	Ad B-Forb	WILD PARSNIP
PENSED	5 Penthorum sedoides	-5 OBL	Nt P-Forb	DITCH STONECROP
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLHYR	2 Polygonum hydropiper	-3 FACW	Nt A-Forb	WATER PEPPER
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
RHURAD	2 Rhus radicans	-1 FAC+	Nt W-Vine	POISON IVY
SALFRA	0 SALIX FRAGILIS	-1 FAC+	Ad Tree	CRACK WILLOW
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SCIATR	4 Scirpus atrovirens	-5 OBL	Nt P-Sedge	DARK GREEN RUSH
SOLDUL	0 SOLANUM DULCAMARA	0 FAC	Ad W-Vine	BITTERSWEET NIGHTSHADE

SOLALT	1	Solidago altissima	3	FACU	Nt P-Forb	TALL GOLDENROD
SONARV	0	SONCHUS ARVENSIS	1	FAC-	Ad P-Forb	FIELD SOW THISTLE
ULMAME	3	Ulmus americana	-2	FACW-	Nt Tree	AMERICAN ELM
ULMPUM	0	ULMUS PUMILA	5	UPL	Ad Tree	SIBERIAN ELM

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/07/08 County: Will State: Illinois Community ID: FW Station ID: W09SW-3 Plot ID: S1																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Drain tile outlet. Homeowner proposing to install 6 feet dia. by 16 feet culvert for farm lane.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Helianthus grosseserratus</i></td><td>FACW-</td><td>HERB</td><td>10</td></tr> <tr><td>2. <i>Populus deltoides</i></td><td>FAC+</td><td>TREE</td><td>5</td></tr> <tr><td>3. <i>Cornus stolonifera</i></td><td>FACW</td><td>SHRUB</td><td>10</td></tr> <tr><td>4. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>5</td></tr> <tr><td>5. <i>Geum laciniatum</i></td><td>FACW</td><td>HERB</td><td>7</td></tr> <tr><td>6. <i>Sonchus arvensis</i></td><td>FAC-</td><td>HERB</td><td>5</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Helianthus grosseserratus</i>	FACW-	HERB	10	2. <i>Populus deltoides</i>	FAC+	TREE	5	3. <i>Cornus stolonifera</i>	FACW	SHRUB	10	4. <i>Daucus carota</i>	UPL	HERB	5	5. <i>Geum laciniatum</i>	FACW	HERB	7	6. <i>Sonchus arvensis</i>	FAC-	HERB	5	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Salix fragilis</i></td><td>FAC+</td><td>TREE</td><td>7</td></tr> <tr><td>8. <i>Juncus dudleyi</i></td><td>FAC</td><td>HERB</td><td>3</td></tr> <tr><td>9. <i>Penthorum sedoides</i></td><td>OBL</td><td>HERB</td><td>7</td></tr> <tr><td>10. <i>Carex cristatella</i></td><td>FACW+</td><td>HERB</td><td>5</td></tr> <tr><td>11. <i>Agrostis alba</i></td><td>FACW</td><td>HERB</td><td>7</td></tr> <tr><td>12.</td><td></td><td></td><td></td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. <i>Salix fragilis</i>	FAC+	TREE	7	8. <i>Juncus dudleyi</i>	FAC	HERB	3	9. <i>Penthorum sedoides</i>	OBL	HERB	7	10. <i>Carex cristatella</i>	FACW+	HERB	5	11. <i>Agrostis alba</i>	FACW	HERB	7	12.			
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Helianthus grosseserratus</i>	FACW-	HERB	10																																																												
2. <i>Populus deltoides</i>	FAC+	TREE	5																																																												
3. <i>Cornus stolonifera</i>	FACW	SHRUB	10																																																												
4. <i>Daucus carota</i>	UPL	HERB	5																																																												
5. <i>Geum laciniatum</i>	FACW	HERB	7																																																												
6. <i>Sonchus arvensis</i>	FAC-	HERB	5																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. <i>Salix fragilis</i>	FAC+	TREE	7																																																												
8. <i>Juncus dudleyi</i>	FAC	HERB	3																																																												
9. <i>Penthorum sedoides</i>	OBL	HERB	7																																																												
10. <i>Carex cristatella</i>	FACW+	HERB	5																																																												
11. <i>Agrostis alba</i>	FACW	HERB	7																																																												
12.																																																															
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.																																																															
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																											
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 20 (in.) Depth to Saturated Soil: 18 (in.)				Remarks: Wetland hydrology is present. NRCS Slide Review and landscape position.																																																											
SOILS																																																															
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																															
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>5</td> <td>Ap</td> <td>10YR 3/1</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silty clay loam, moist, friable</td> </tr> <tr> <td>5</td> <td>21</td> <td>A</td> <td>10YR 3/1</td> <td>10YR 5Y 6/6 4/6</td> <td>few distinct faint</td> <td>wet at 18 inches silty clay loam, moist to wet, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	5	Ap	10YR 3/1	NA NA	NA NA	mucky silty clay loam, moist, friable	5	21	A	10YR 3/1	10YR 5Y 6/6 4/6	few distinct faint	wet at 18 inches silty clay loam, moist to wet, friable																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
0	5	Ap	10YR 3/1	NA NA	NA NA	mucky silty clay loam, moist, friable																																																									
5	21	A	10YR 3/1	10YR 5Y 6/6 4/6	few distinct faint	wet at 18 inches silty clay loam, moist to wet, friable																																																									
Hydric Soil Indicators ² : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 45%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </div> </div>						Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																									
Remarks: Hydric soils are present.						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																									
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Remarks: This plot is located in a wetland.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/07/08 County: Will State: Illinois Community ID: Upland Station ID: W09SW-3 Plot ID: S2																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Plot is associated with a drain tile outlet. Homeowner is proposing to install a farm lane in this area.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Festuca elatior</i></td><td>UPL</td><td>HERB</td><td>20</td></tr> <tr><td>2. <i>Aster lateriflorus</i></td><td>FACW-</td><td>HERB</td><td>10</td></tr> <tr><td>3. <i>Helianthus grosseserratus</i></td><td>FACW-</td><td>HERB</td><td>15</td></tr> <tr><td>4. <i>Toxicodendron radicans</i></td><td>FAC+</td><td>SHRUB</td><td>10</td></tr> <tr><td>5. <i>Ambrosia trifida</i></td><td>FACU</td><td>HERB</td><td>10</td></tr> <tr><td>6. <i>Rosa multiflora</i></td><td>FACU</td><td>SHRUB</td><td>5</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Festuca elatior</i>	UPL	HERB	20	2. <i>Aster lateriflorus</i>	FACW-	HERB	10	3. <i>Helianthus grosseserratus</i>	FACW-	HERB	15	4. <i>Toxicodendron radicans</i>	FAC+	SHRUB	10	5. <i>Ambrosia trifida</i>	FACU	HERB	10	6. <i>Rosa multiflora</i>	FACU	SHRUB	5	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>40</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. <i>Bromus inermis</i>	UPL	HERB	40	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Festuca elatior</i>	UPL	HERB	20																																																												
2. <i>Aster lateriflorus</i>	FACW-	HERB	10																																																												
3. <i>Helianthus grosseserratus</i>	FACW-	HERB	15																																																												
4. <i>Toxicodendron radicans</i>	FAC+	SHRUB	10																																																												
5. <i>Ambrosia trifida</i>	FACU	HERB	10																																																												
6. <i>Rosa multiflora</i>	FACU	SHRUB	5																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. <i>Bromus inermis</i>	UPL	HERB	40																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 25% Remarks: Hydrophytic vegetation is not dominant.																																																															
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																										
Remarks: Wetland hydrology is not present. NRCS Slide Review																																																															
SOILS																																																															
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ Yes <input checked="" type="checkbox"/> No																																																															
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>14</td> <td>Ap</td> <td>10YR 3/2</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>14</td> <td>20</td> <td>A</td> <td>10YR 3/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	14	Ap	10YR 3/2	NA NA	NA NA	silty clay loam, moist, friable	14	20	A	10YR 3/1	NA NA	NA NA	silty clay loam, moist, friable																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
0	14	Ap	10YR 3/2	NA NA	NA NA	silty clay loam, moist, friable																																																									
14	20	A	10YR 3/1	NA NA	NA NA	silty clay loam, moist, friable																																																									
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																									
Remarks: Hydric soils are not present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																									
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? _____ Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? _____ Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? _____ Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? _____ Yes <input checked="" type="checkbox"/> No																																																										
Remarks: This plot is not located in a wetland.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: S. Johnson #2: T. Schultz						Date: 10/07/08 County: Will State: Illinois Community ID: Upland Station ID: W09SW-3b Plot ID: NA																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Hayfield dominated by upland veg in non-hydric soil unit																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Trifolium pratense</i></td><td>FACU+</td><td>HERB</td><td>--</td></tr> <tr><td>2. <i>Festuca elatior</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>3. <i>Agropyron repens</i></td><td>FACU</td><td>HERB</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Trifolium pratense</i>	FACU+	HERB	--	2. <i>Festuca elatior</i>	UPL	HERB	--	3. <i>Agropyron repens</i>	FACU	HERB	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Trifolium pratense</i>	FACU+	HERB	--																																																												
2. <i>Festuca elatior</i>	UPL	HERB	--																																																												
3. <i>Agropyron repens</i>	FACU	HERB	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant. Cover percentages not recorded.						HYDROLOGY <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.) </div> <div style="width: 50%;"> Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks) </div> </div>																																																									
Remarks: Wetland hydrology is not present. NRCS slide review site.																																																															
SOILS Map Unit Name: Ozaukee silt loam Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? No soil core taken* Yes _____ No _____																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Profile Description:</th> <th>Matrix Color</th> <th>Mottle Colors</th> <th>Mottle</th> <th rowspan="2">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> <tr> <th>Top</th> <th>Bottom</th> <th>(Munsell Moist):</th> <th>(Munsell Moist):</th> <th>Abundance/Contrast</th> </tr> <tr> <th>Depth</th> <th>Depth</th> <th>Horizon</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Profile Description:		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material, and other soil characteristics.	Top	Bottom	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	Depth	Depth	Horizon																																								
Profile Description:		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material, and other soil characteristics.																																																										
Top	Bottom	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast																																																											
Depth	Depth	Horizon																																																													
Hydric Soil Indicators ² : <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 30%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </div> <div style="width: 30%;"> _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) </div> </div>																																																															
Indicators for Problematic Hydric Soils ¹ : <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 30%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </div> <div style="width: 30%;"> _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) </div> </div>																																																															
Remarks: Hydric soils are not mapped. *Wetland vegetation and hydrology are not present, so no soil core collected.																																																															
WETLAND DETERMINATION Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No Hydric Soils Present? No soil core taken* _____ Yes _____ No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																															
Remarks: This plot is not located in wetland. *Wetland vegetation and hydrology are not present, so no soil core collected.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport						Date: 10/07/08																																																											
Applicant/Owner: Illinois Department of Transportation						County: Will																																																											
Investigator #1: Sarah Johnson #2: Tory Schultz						State: Illinois																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Community ID: Upland																																																											
Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Station ID: W09SW-3c																																																											
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Plot ID: NA																																																											
Remarks: Hayfield on terrace above BWC, in non-hydric soil unit Photo W09-10-SE																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Trifolium pratense</i></td><td>FACU+</td><td>HERB</td><td>--</td></tr> <tr><td>2. <i>Trifolium repens</i></td><td>FACU+</td><td>HERB</td><td>--</td></tr> <tr><td>3. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>--</td></tr> <tr><td>4. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Trifolium pratense</i>	FACU+	HERB	--	2. <i>Trifolium repens</i>	FACU+	HERB	--	3. <i>Setaria faberi</i>	FACU+	HERB	--	4. <i>Daucus carota</i>	UPL	HERB	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Trifolium pratense</i>	FACU+	HERB	--																																																														
2. <i>Trifolium repens</i>	FACU+	HERB	--																																																														
3. <i>Setaria faberi</i>	FACU+	HERB	--																																																														
4. <i>Daucus carota</i>	UPL	HERB	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																																											
Remarks: Hydrophytic vegetation is not present. Cover percentages not recorded																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. NRCS aerial review site																																																																	
SOILS																																																																	
Map Unit Name: Beecher silt loam					Series Drainage Class: Somewhat poorly drained																																																												
Taxonomy (Subgroup): Udollic Epiaqualfs					Field Observations Confirm Mapped Type? No soil core taken* Yes _____ No _____																																																												
Profile Description:																																																																	
Top	Bottom		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,																																																											
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	and other soil characteristics.																																																											
Hydric Soil Indicators ² :																																																																	
(A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat					(S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions																																																												
					(A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)																																																												
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																	
Remarks: Hydric soils are not mapped. *Wetland vegetation and hydrology are not present, so no soil core collected.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? No soil core taken* <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in wetland. *Wetland vegetation and hydrology are not present, so no soil core collected.																																																																	

Site: Inaugural South Suburban Airport
 Locale: BWCW09a
 Date: October 6, 2008 30 minutes
 By: AECOM: S. Johnson; T. Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\BWCW09a.inv

FLORISTIC QUALITY DATA	Native	15	75.0%	Adventive	5	25.0%
15 NATIVE SPECIES	Tree	1	5.0%	Tree	1	5.0%
20 Total Species	Shrub	1	5.0%	Shrub	0	0.0%
2.3 NATIVE MEAN C	W-Vine	1	5.0%	W-Vine	1	5.0%
1.7 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
8.8 NATIVE FQI	P-Forb	7	35.0%	P-Forb	0	0.0%
7.6 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.9 NATIVE MEAN W	A-Forb	3	15.0%	A-Forb	0	0.0%
-2.1 W/Adventives	P-Grass	0	0.0%	P-Grass	1	5.0%
AVG: Fac. Wetland	A-Grass	0	0.0%	A-Grass	2	10.0%
	P-Sedge	2	10.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACENEG	0 Acer negundo	-2 FACW-	Nt Tree	BOX ELDER
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
ASTSII	3 Aster simplex interior	-5 [OBL]	Nt P-Forb	MARSH ASTER
CXLACU	6 Carex lacustris	-5 OBL	Nt P-Sedge	COMMON LAKE SEDGE
CONSEP	1 Convolvulus sepium	0 FAC	Nt P-Forb	HEDGE BINDWEED
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
MORALB	0 MORUS ALBA	0 FAC	Ad Tree	WHITE MULBERRY
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLHYR	2 Polygonum hydropiper	-3 FACW	Nt A-Forb	WATER PEPPER
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SCIVAC	5 Scirpus validus creber	-5 OBL	Nt P-Sedge	GREAT BULRUSH
SECCER	0 SECALE CEREALE	5 UPL	Ad A-Grass	RYE
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
SOLDUL	0 SOLANUM DULCAMARA	0 FAC	Ad W-Vine	BITTERSWEET NIGHTSHADE
SOLALT	1 Solidago altissima	3 FACU	Nt P-Forb	TALL GOLDENROD
SOLGIG	4 Solidago gigantea	-3 FACW	Nt P-Forb	LATE GOLDENROD
VERHAS	4 Verbena hastata	-4 FACW+	Nt P-Forb	BLUE VERVAIN
VITRIP	2 Vitis riparia	-2 FACW-	Nt W-Vine	RIVERBANK GRAPE

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport						Date: 10/06/08																																																																		
Applicant/Owner: Illinois Department of Transportation						County: Will																																																																		
Investigator #1: Sarah Johnson #2: Tory Schultz						State: Illinois																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Community ID: Stream																																																																		
Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Station ID: BWC-W09																																																																		
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Plot ID: S1																																																																		
Remarks: Black Walnut Creek.																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Species Name</th> <th>Ind. Status</th> <th>Stratum</th> <th>% Cover</th> <th></th> <th>Species Name</th> <th>Ind. Status</th> <th>Stratum</th> <th>% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Phalaris arundinacea</i></td> <td>FACW+</td> <td>HERB</td> <td>100</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Rubus occidentalis</i></td> <td>FACU-</td> <td>SHRUB</td> <td>10</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Solanum dulcamara</i></td> <td>FAC</td> <td>HERB</td> <td>10</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Morus alba</i></td> <td>FAC</td> <td>TREE</td> <td>5</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Acer negundo</i></td> <td>FACW-</td> <td>TREE</td> <td>5</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	100		7. --	--	--	--	2. <i>Rubus occidentalis</i>	FACU-	SHRUB	10		8. --	--	--	--	3. <i>Solanum dulcamara</i>	FAC	HERB	10		9. --	--	--	--	4. <i>Morus alba</i>	FAC	TREE	5		10. --	--	--	--	5. <i>Acer negundo</i>	FACW-	TREE	5		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Phalaris arundinacea</i>	FACW+	HERB	100		7. --	--	--	--																																																																
2. <i>Rubus occidentalis</i>	FACU-	SHRUB	10		8. --	--	--	--																																																																
3. <i>Solanum dulcamara</i>	FAC	HERB	10		9. --	--	--	--																																																																
4. <i>Morus alba</i>	FAC	TREE	5		10. --	--	--	--																																																																
5. <i>Acer negundo</i>	FACW-	TREE	5		11. --	--	--	--																																																																
6. --	--	--	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						100%																																																																		
Remarks: Hydrophytic vegetation is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, Or Tide Gauge <input type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 10 (in.) Depth to Saturated Soil: 7 (in.)																																																																								
Remarks: Wetland hydrology is present.																																																																								
SOILS																																																																								
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained																																																																								
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																								
Profile Description:																																																																								
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast		Texture, moisture, consistency, organic material, and other soil characteristics.																																																															
0	4	A	10YR	3/1	7.5YR	4/6	common	distinct	oxidized rhizospheres																																																															
4	12	A2	10YR	2/1	7.5YR	4/6	common	distinct	sandy muck,moist, friable																																																															
12	24	Oa	N	2.5/0	NA	NA	NA	NA	sandy muck,wet, friable																																																															
Hydric Soil Indicators ² :																																																																								
<table style="width:100%;"> <tr> <td style="width:33%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input checked="" type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </td> <td style="width:33%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </td> <td style="width:33%;"> <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </td> </tr> </table>										<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input checked="" type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																												
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input checked="" type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																						
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																								
Remarks: Hydric soils are present. *Soil profile appears to have a top layer of excavation spoil.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Remarks: This plot is located in a wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/06/08 County: Will State: Illinois Community ID: Upland Station ID: BWC-W09 Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: This plot is associated with Black Walnut Creek.																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: center;">Ind. Status</th> <th style="text-align: center;">Stratum</th> <th style="text-align: center;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Bromus inermis</i></td><td style="text-align: center;">UPL</td><td style="text-align: center;">HERB</td><td style="text-align: center;">100</td></tr> <tr><td>2. <i>Cirsium arvense</i></td><td style="text-align: center;">FACU</td><td style="text-align: center;">HERB</td><td style="text-align: center;">5</td></tr> <tr><td>3. <i>Asparagus officinalis</i></td><td style="text-align: center;">FACU</td><td style="text-align: center;">HERB</td><td style="text-align: center;">2</td></tr> <tr><td>4. <i>Morus alba</i></td><td style="text-align: center;">FAC</td><td style="text-align: center;">TREE</td><td style="text-align: center;">10</td></tr> <tr><td>5. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>6. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	100	2. <i>Cirsium arvense</i>	FACU	HERB	5	3. <i>Asparagus officinalis</i>	FACU	HERB	2	4. <i>Morus alba</i>	FAC	TREE	10	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: center;">Ind. Status</th> <th style="text-align: center;">Stratum</th> <th style="text-align: center;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>8. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>9. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>10. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>11. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>12. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Bromus inermis</i>	UPL	HERB	100																																																														
2. <i>Cirsium arvense</i>	FACU	HERB	5																																																														
3. <i>Asparagus officinalis</i>	FACU	HERB	2																																																														
4. <i>Morus alba</i>	FAC	TREE	10																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																																											
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, Or Tide Gauge <input type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)					Remarks: Wetland hydrology is not present.																																																												
SOILS																																																																	
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description:																																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Depth	Depth																																																																
0	8	Ap	10YR	3/1	NA	NA	NA	NA	gravel mixed in silty clay loam, moist, friable																																																								
8	15	A	10YR	3/1	10YR	5/8	common	distinct	gravel mixed in silty clay loam, moist, friable																																																								
15	22	A	10YR	3/1	NA	NA	NA	NA	gravel mixed in clay, moist, friable																																																								
Hydric Soil Indicators ² : <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat					<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																												
<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)					¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																												
Remarks: Hydric soils are present, but may be a result of historic dredge events in Black Walnut Creek. High gravel content and mixed layers provide evidence that this soil is not native.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in a wetland. Hydric soil profile shows evidence of disturbance from past stream dredging events.																																																																	

Site: Inaugural South Suburban Airport
 Locale: BWCW09b
 Date: October 6, 2008 30 minutes
 By: AECOM: S. Johnson; T. Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\BWCW09b.inv

FLORISTIC QUALITY DATA	Native	19	76.0%	Adventive	6	24.0%
19 NATIVE SPECIES	Tree	4	16.0%	Tree	1	4.0%
25 Total Species	Shrub	4	16.0%	Shrub	2	8.0%
2.1 NATIVE MEAN C	W-Vine	1	4.0%	W-Vine	1	4.0%
1.6 W/Adventives	H-Vine	1	4.0%	H-Vine	0	0.0%
8.9 NATIVE FQI	P-Forb	5	20.0%	P-Forb	0	0.0%
7.8 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-1.7 NATIVE MEAN W	A-Forb	3	12.0%	A-Forb	0	0.0%
-1.3 W/Adventives	P-Grass	0	0.0%	P-Grass	1	4.0%
AVG: Fac. Wetland (-)	A-Grass	1	4.0%	A-Grass	1	4.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACENEG	0 Acer negundo	-2 FACW-	Nt Tree	BOX ELDER
ACESAI	0 Acer saccharinum	-3 FACW	Nt Tree	SILVER MAPLE
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ASTLAT	4 Aster lateriflorus	-2 FACW-	Nt P-Forb	SIDE-FLOWERING ASTER
CORSTO	6 Cornus stolonifera	-3 FACW	Nt Shrub	RED-OSIER DOGWOOD
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
GLETRI	2 Gleditsia triacanthos	0 FAC	Nt Tree	HONEY LOCUST
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
LONTAT	0 LONICERA TATARICA	5 [UPL]	Ad Shrub	TARTARIAN HONEYSUCKLE
MORALB	0 MORUS ALBA	0 FAC	Ad Tree	WHITE MULBERRY
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLHYR	2 Polygonum hydropiper	-3 FACW	Nt A-Forb	WATER PEPPER
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
RHAFRA	0 RHAMNUS FRANGULA	-1 FAC+	Ad Shrub	GLOSSY BUCKTHORN
RUBOCC	2 Rubus occidentalis	5 UPL	Nt Shrub	BLACK RASPBERRY
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SAMCAN	1 Sambucus canadensis	-2 FACW-	Nt Shrub	ELDERBERRY
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
SICANG	5 Sicyos angulatus	-2 FACW-	Nt H-Vine	BUR CUCUMBER
SOLDUL	0 SOLANUM DULCAMARA	0 FAC	Ad W-Vine	BITTERSWEET NIGHTSHADE
SOLALT	1 Solidago altissima	3 FACU	Nt P-Forb	TALL GOLDENROD
SOLGIG	4 Solidago gigantea	-3 FACW	Nt P-Forb	LATE GOLDENROD
THADAD	5 Thalictrum dasycarpum	-2 FACW-	Nt P-Forb	PURPLE MEADOW RUE
VITRIP	2 Vitis riparia	-2 FACW-	Nt W-Vine	RIVERBANK GRAPE

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz	Date: 10/06/08 County: Will State: Illinois Community ID: Stream Station ID: BWC-W09 Plot ID: S3
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	

Remarks: **Black Walnut Creek.**

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover	Species Name	Ind. Status	Stratum	% Cover
1. <i>Bromus inermis</i>	UPL	HERB	10	7. <i>Solidago altissima</i>	FACU	HERB	5
2. <i>Elymus virginicus</i>	FACW-	HERB	10	8. --	--	--	--
3. <i>Phalaris arundinacea</i>	FACW+	HERB	60	9. --	--	--	--
4. <i>Verbena hastata</i>	FACW+	HERB	5	10. --	--	--	--
5. <i>Helianthus grosseserratus</i>	FACW-	HERB	5	11. --	--	--	--
6. <i>Ambrosia trifida</i>	FAC+	HERB	5	12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **100%**

Remarks: **Hydrophytic vegetation is dominant.**

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, Or Tide Gauge <input type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	

Remarks: **Wetland hydrology is present.**

SOILS

Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes	Series Drainage Class: poorly drained																																			
Taxonomy (Subgroup): Typic Endoaquolls	Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																			
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>5</td> <td>Ap</td> <td>10YR 3/2</td> <td>NA NA</td> <td>NA NA</td> <td>mucky sandy loam, moist, friable</td> </tr> <tr> <td>5</td> <td>14</td> <td>A</td> <td>10YR 3/1</td> <td>NA NA</td> <td>NA NA</td> <td>sandy clay loam, moist, friable</td> </tr> <tr> <td>14</td> <td>18</td> <td>B</td> <td>10YR 3/1</td> <td>NA NA</td> <td>NA NA</td> <td>sandy clay loam, moist, friable</td> </tr> <tr> <td>18</td> <td colspan="6">refusal at rock</td> </tr> </tbody> </table>		Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	5	Ap	10YR 3/2	NA NA	NA NA	mucky sandy loam, moist, friable	5	14	A	10YR 3/1	NA NA	NA NA	sandy clay loam, moist, friable	14	18	B	10YR 3/1	NA NA	NA NA	sandy clay loam, moist, friable	18	refusal at rock					
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																														
0	5	Ap	10YR 3/2	NA NA	NA NA	mucky sandy loam, moist, friable																														
5	14	A	10YR 3/1	NA NA	NA NA	sandy clay loam, moist, friable																														
14	18	B	10YR 3/1	NA NA	NA NA	sandy clay loam, moist, friable																														
18	refusal at rock																																			

Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td><input type="checkbox"/> (A1) Histosol</td> <td><input type="checkbox"/> (S4) Sandy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A2) Histic Epipedon</td> <td><input type="checkbox"/> (S5) Sandy Redox</td> </tr> <tr> <td><input type="checkbox"/> (A3) Black Histic</td> <td><input type="checkbox"/> (S6) Stripped Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A4) Hydrogen Sulfide</td> <td><input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral</td> </tr> <tr> <td><input type="checkbox"/> (A5) Stratified Layers</td> <td><input type="checkbox"/> (F2) Loamy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A10) 2 cm Muck</td> <td><input type="checkbox"/> (F3) Depleted Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A11) Depleted Below Dark Surface</td> <td><input type="checkbox"/> (F6) Redox Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (A12) Thick Dark Surface</td> <td><input type="checkbox"/> (F7) Depleted Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (S1) Sandy Mucky Mineral</td> <td><input type="checkbox"/> (F8) Redox Depressions</td> </tr> <tr> <td><input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat</td> <td></td> </tr> </table>	<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix	<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox	<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix	<input type="checkbox"/> (A4) Hydrogen Sulfide	<input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral	<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix	<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix	<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface	<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface	<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat		Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix																				
<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox																				
<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix																				
<input type="checkbox"/> (A4) Hydrogen Sulfide	<input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral																				
<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix																				
<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix																				
<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface																				
<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface																				
<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions																				
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat																					

¹Indicators of hydrophytic vegetation and wetland hydrology must be present.
²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)

Remarks: **Hydric soils are present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Remarks: **This plot is located in a wetland.**

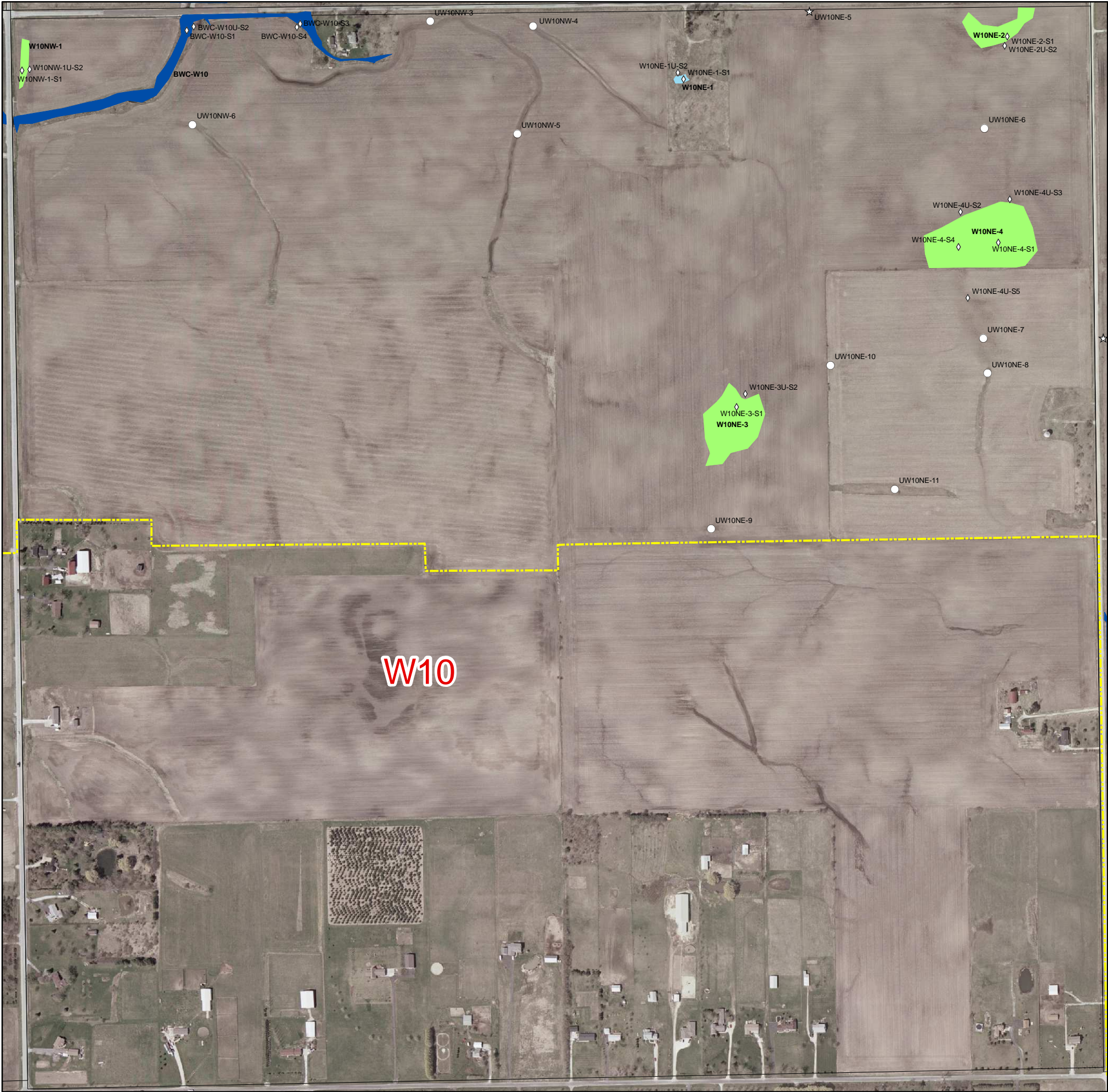
DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/06/06 County: Will State: Illinois Community ID: Upland Station ID: BWC-W09 Plot ID: S4																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: This plot is associated with Black Walnut Creek.																																																																		
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 40%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>60</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Helianthus grosseserratus</i></td> <td>FACW-</td> <td>HERB</td> <td>5</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Cirsium arvense</i></td> <td>FACU</td> <td>HERB</td> <td>10</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Solidago altissima</i></td> <td>FACU</td> <td>HERB</td> <td>5</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	60		7. --	--	--	--	2. <i>Helianthus grosseserratus</i>	FACW-	HERB	5		8. --	--	--	--	3. <i>Cirsium arvense</i>	FACU	HERB	10		9. --	--	--	--	4. <i>Solidago altissima</i>	FACU	HERB	5		10. --	--	--	--	5. --	--	--	--		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Bromus inermis</i>	UPL	HERB	60		7. --	--	--	--																																																																
2. <i>Helianthus grosseserratus</i>	FACW-	HERB	5		8. --	--	--	--																																																																
3. <i>Cirsium arvense</i>	FACU	HERB	10		9. --	--	--	--																																																																
4. <i>Solidago altissima</i>	FACU	HERB	5		10. --	--	--	--																																																																
5. --	--	--	--		11. --	--	--	--																																																																
6. --	--	--	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, Or Tide Gauge <input type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present.																																																																			
SOILS																																																																								
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>15</td> <td>Ap</td> <td>10YR 3/2</td> <td>NA NA</td> <td>NA NA</td> <td>sandy clay loam, moist, friable</td> </tr> <tr> <td>15</td> <td>18</td> <td>A</td> <td>10YR 3/2</td> <td>7.5YR 4/6</td> <td>few distinct</td> <td>sandy clay loam, moist friable</td> </tr> <tr> <td>18</td> <td>23</td> <td>B</td> <td>10YR 2/1</td> <td>5YR 3/4</td> <td>common faint</td> <td>organics sandy loam, moist, friable</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	15	Ap	10YR 3/2	NA NA	NA NA	sandy clay loam, moist, friable	15	18	A	10YR 3/2	7.5YR 4/6	few distinct	sandy clay loam, moist friable	18	23	B	10YR 2/1	5YR 3/4	common faint	organics sandy loam, moist, friable																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	15	Ap	10YR 3/2	NA NA	NA NA	sandy clay loam, moist, friable																																																																		
15	18	A	10YR 3/2	7.5YR 4/6	few distinct	sandy clay loam, moist friable																																																																		
18	23	B	10YR 2/1	5YR 3/4	common faint	organics sandy loam, moist, friable																																																																		
Hydric Soil Indicators ² : <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																		
Remarks: Hydric soils are not present. Soil profile shows evidence of disturbance; lower layer appears to be a buried horizon						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Remarks: This plot is not located in wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																																						
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/06/08 County: Will State: Illinois Community ID: Upland Station ID: BWC-W09 Plot ID: S5																																																																																
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																																						
Remarks: This plot is associated with Black Walnut Creek.																																																																																						
VEGETATION																																																																																						
Dominant Species (50/20 Rule)																																																																																						
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 20%;"><u>Species Name</u></th> <th style="width: 10%;"><u>Ind. Status</u></th> <th style="width: 10%;"><u>Stratum</u></th> <th style="width: 10%;"><u>% Cover</u></th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> <th style="width: 20%;"><u>Species Name</u></th> <th style="width: 10%;"><u>Ind. Status</u></th> <th style="width: 10%;"><u>Stratum</u></th> <th style="width: 10%;"><u>% Cover</u></th> </tr> </thead> <tbody> <tr> <td>1.</td> <td><i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>50</td> <td></td> <td></td> <td>7.</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2.</td> <td><i>Salix exigua</i></td> <td>OBL</td> <td>SHRUB</td> <td>20</td> <td></td> <td></td> <td>8.</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3.</td> <td><i>Morus alba</i></td> <td>FAC</td> <td>TREE</td> <td>10</td> <td></td> <td></td> <td>9.</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4.</td> <td><i>Phalaris arundinacea</i></td> <td>FACW+</td> <td>HERB</td> <td>20</td> <td></td> <td></td> <td>10.</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5.</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td></td> <td>11.</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6.</td> <td>--</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td></td> <td>12.</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>											<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>	1.	<i>Bromus inermis</i>	UPL	HERB	50			7.	--	--	--	2.	<i>Salix exigua</i>	OBL	SHRUB	20			8.	--	--	--	3.	<i>Morus alba</i>	FAC	TREE	10			9.	--	--	--	4.	<i>Phalaris arundinacea</i>	FACW+	HERB	20			10.	--	--	--	5.	--	--	--	--			11.	--	--	--	6.	--	--	--	--			12.	--	--	--
	<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>																																																																												
1.	<i>Bromus inermis</i>	UPL	HERB	50			7.	--	--	--																																																																												
2.	<i>Salix exigua</i>	OBL	SHRUB	20			8.	--	--	--																																																																												
3.	<i>Morus alba</i>	FAC	TREE	10			9.	--	--	--																																																																												
4.	<i>Phalaris arundinacea</i>	FACW+	HERB	20			10.	--	--	--																																																																												
5.	--	--	--	--			11.	--	--	--																																																																												
6.	--	--	--	--			12.	--	--	--																																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 75%																																																																																						
Remarks: Hydrophytic vegetation is dominant.																																																																																						
HYDROLOGY																																																																																						
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, Or Tide Gauge <input type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																																	
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																																						
Remarks: Wetland hydrology is not present.																																																																																						
SOILS																																																																																						
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																																						
Profile Description: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>9</td> <td>Ap</td> <td>10YR 2/2</td> <td>NA</td> <td>NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>9</td> <td>12</td> <td>A</td> <td>10YR 3/1</td> <td>10YR 6/4</td> <td>common</td> <td>distinct gravel mixed in silty clay loam, moist, friable</td> </tr> <tr> <td>12</td> <td>20</td> <td>B</td> <td>10YR 3/1</td> <td>10YR 5/1 10YR 5/8 N 2.5/0</td> <td>common distinct few distinct common</td> <td>organics mixed in clay, moist, friable</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	9	Ap	10YR 2/2	NA	NA	silty clay loam, moist, friable	9	12	A	10YR 3/1	10YR 6/4	common	distinct gravel mixed in silty clay loam, moist, friable	12	20	B	10YR 3/1	10YR 5/1 10YR 5/8 N 2.5/0	common distinct few distinct common	organics mixed in clay, moist, friable																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																																
0	9	Ap	10YR 2/2	NA	NA	silty clay loam, moist, friable																																																																																
9	12	A	10YR 3/1	10YR 6/4	common	distinct gravel mixed in silty clay loam, moist, friable																																																																																
12	20	B	10YR 3/1	10YR 5/1 10YR 5/8 N 2.5/0	common distinct few distinct common	organics mixed in clay, moist, friable																																																																																
Hydric Soil Indicators ² : <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																																
Remarks: Hydric soils are not present. The "A" layer not thick enough to qualify for the F6 indicator. Soil profile show disturbance from stream channel dredging.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																																
WETLAND DETERMINATION																																																																																						
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																																	
Remarks: 50/50 hydrophytic/upland vegetation and did not meet wetland hydrology or hydric soils criterion. This plot is not located in a wetland.																																																																																						

Appendix E Section Will 10

Area ID	Total Depth	Hydric Soil	Native FQI	Comments
W10NE-1-S1	22	Yes	5.5	
W10NE-1U-S2	21	No		
W10NE-2-S1	24	Yes	2.8	Photo N
W10NE-2U-S2	23	Yes		
W10NE-3-S1	24	Yes	0.0	Photo E
W10NE-3U-S2	24	No		Photo S
W10NE-4-S1	20	Yes	1.5	Photo NW
W10NE-4U-S2	20	No		
W10NE-4U-S3	20	Yes		
W10NE-4-S4	20	Yes		
W10NE-4U-S5	21	No		
UW10NE-5	NA	NA	NA	Photo S
UW10NE-6	20	No	NA	
UW10NE-7	30	No	NA	
UW10NE-8	21	No	NA	Photo S
UW10NE-9	12	No	NA	Photo S
UW10NE-10	12	No	NA	Photo S
UW10NE-11	12	No	NA	
W10NW-1-S1	21	Yes	0.0	Photo S
W10NW-1U-S2	21	No		Photo S
UW10NW-3	22	No	NA	
UW10NW-4	21	No	NA	
UW10NW-5	12	No	NA	
UW10NW-6	12	No	NA	
BWC-W10-S1	22	Yes	16.3	
BWC-W10U-S2	23	No		
BWC-W10-S3	20	Yes		
BWC-W10-S4	24	No		

NA = not applicable



Legend Wetland Type PEM PSS PFO PEM/PFO PSS/PEM PFO/PSS POW Stream Wetland Complex 2008 Study Boundary Sections Upland Soil Cores Upland Photo Locations Wetland Soil Cores	EXHIBIT E-1K Will Township Section 10 2008 - 2009 FIELD INVESTIGATION RESULTS South Suburban Airport	 Illinois Department of Transportation Division of Aeronautics 0 255 510 1,020 1,530 Feet
---	---	--

Site: Inaugural South Suburban Airport
 Locale: W10NE1
 Date: August 26, 2008 30 minutes
 By: AECOM: S. Johnson; T. Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W10NE1.inv

FLORISTIC QUALITY DATA	Native	12	66.7%	Adventive	6	33.3%
12 NATIVE SPECIES	Tree	1	5.6%	Tree	1	5.6%
18 Total Species	Shrub	1	5.6%	Shrub	0	0.0%
1.6 NATIVE MEAN C	W-Vine	2	11.1%	W-Vine	1	5.6%
1.1 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
5.5 NATIVE FQI	P-Forb	4	22.2%	P-Forb	0	0.0%
4.5 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-1.9 NATIVE MEAN W	A-Forb	3	16.7%	A-Forb	2	11.1%
-0.8 W/Adventives	P-Grass	0	0.0%	P-Grass	2	11.1%
AVG: Fac. Wetland (-)	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	1	5.6%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
BIDFRO	1 Bidens frondosa	-3 FACW	Nt A-Forb	COMMON BEGGAR'S TICKS
BROINE	0 BROMUS INERMIS	5 UPL	Ad P-Grass	HUNGARIAN BROME
CXCRIS	4 Carex cristatella	-4 FACW+	Nt P-Sedge	CRESTED OVAL SEDGE
CHEALB	0 CHENOPODIUM ALBUM	1 FAC-	Ad A-Forb	LAMB'S QUARTERS
GEUCAN	1 Geum canadense	0 FAC	Nt P-Forb	WOOD AVENS
JUNDUD	4 Juncus dudleyi	0 [FAC]	Nt P-Forb	DUDLEY'S RUSH
MORALB	0 MORUS ALBA	0 FAC	Ad Tree	WHITE MULBERRY
POAPRA	0 POA PRATENSIS	1 FAC-	Ad P-Grass	KENTUCKY BLUE GRASS
POLLAP	0 Polygonum lapathifolium	-4 FACW+	Nt A-Forb	HEARTSEASE
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
RHURAD	2 Rhus radicans	-1 FAC+	Nt W-Vine	POISON IVY
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SOLDUL	0 SOLANUM DULCAMARA	0 FAC	Ad W-Vine	BITTERSWEET NIGHTSHADE
SOLALT	1 Solidago altissima	3 FACU	Nt P-Forb	TALL GOLDENROD
TYPANG	1 Typha angustifolia	-5 OBL	Nt P-Forb	NARROW-LEAVED CATTAIL
VITRIP	2 Vitis riparia	-2 FACW-	Nt W-Vine	RIVERBANK GRAPE

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz	Date: 08/26/08 County: Will State: Illinois Community ID: POW Station ID: W10NE-1 Plot ID: S1
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	

Remarks: **Marshy edge of excavated pond**

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover	Species Name	Ind. Status	Stratum	% Cover
1. Polygonum persicaria	FACW	HERB	80	7. --	--	--	--
2. <i>Typha angustifolia</i>	OBL	HERB	5	8. --	--	--	--
3. Morus alba	FAC	TREE	5	9. --	--	--	--
4. Populus deltoides	FAC+	TREE	20	10. --	--	--	--
5. Salix exigua	OBL	SHRUB	10	11. --	--	--	--
6. <i>Rosa multiflora</i>	FACU	SHRUB	2	12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **100%**

Remarks: **Hydrophytic vegetation is dominant.**

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)	Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks <input checked="" type="checkbox"/> Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
---	--

Remarks: **Wetland hydrology is present.**

Previous Investigations

SOILS

Map Unit Name: **Markham silt loam, 4 to 6 % slopes** Series Drainage Class: **Moderately well-drained**
 Taxonomy (Subgroup): **Mollic Oxyaquic Hapludalfs** Field Observations Confirm Mapped Type? ☐ Yes ☒ No

Profile Description:

Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.
0	4	O	10YR 2/1	NA	NA	organics, dry, very friable
4	13	A	10YR 4/2	7.5YR 4/6	common	distinct silty clay, moist, friable
13	20	B	10YR 4/2	10Y 6/1 10YR 5/8	common many	distinct prominent fe concretions sandy clay, moist, friable

Hydric Soil Indicators2:

Indicators for Problematic Hydric Soils1:

_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)
---	---	--

Remarks: **Hydric soils are present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
---	---

Remarks: **This plot is located in a wetland.**

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz	Date: 08/27/08 County: Will State: Illinois Community ID: Upland Station ID: W10NE-1 Plot ID: S2
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	
Remarks: --	

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover	Species Name	Ind. Status	Stratum	% Cover
1. <i>Daucus carota</i>	UPL	HERB	10	7. <i>Prunus serotina</i>	FACU	SHRUB	5
2. <i>Poa pratensis</i>	FAC-	HERB	60	8. <i>Populus deltoides</i>	FAC+	TREE	10
3. <i>Bromus inermis</i>	UPL	HERB	10	9. --	--	--	--
4. <i>Ambrosia trifida</i>	FAC+	HERB	10	10. --	--	--	--
5. <i>Cirsium arvense</i>	UPL	HERB	15	11. --	--	--	--
6. <i>Arctium minus</i>	UPL	HERB	5	12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **33%**

Remarks: **Hydrophytic vegetation is not dominant.**

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)	Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
Remarks: Wetland hydrology is not present. NRCS Slide Review	

SOILS

Map Unit Name: Markham silt loam, 4 to 6 percent slopes, Series Drainage Class: Moderately well-drained									
Taxonomy (Subgroup): Mollic Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
Profile Description:									
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
0	6	Ap	10YR 3/2	NA	NA	silty clay loam, dry, very friable			
6	10	A	10YR 4/2	10YR	4/6 common	faint silty clay, moist, friable			
10	15	A	10YR 4/2	10YR	5/6 common	distinct sandy clay, moist, friable			
15	21	B	10YR 4/1	10YR	5/6 common	distinct clay, moist, friable			

Hydric Soil Indicators2: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)
---	--

Remarks: **Hydric soils are not present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Remarks: This plot is not located in a wetland.	

Site: Inaugural South Suburban Airport
 Locale: W10NE2
 Date: August 25, 2008 15 minutes
 By: AECOM: S. Johnson; T. Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W10NE2.inv

FLORISTIC QUALITY DATA	Native	2	33.3%	Adventive	4	66.7%
2 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
6 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
2.0 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.7 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
2.8 NATIVE FQI	P-Forb	1	16.7%	P-Forb	0	0.0%
1.6 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-1.5 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	3	50.0%
1.3 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Faculative (+)	A-Grass	1	16.7%	A-Grass	1	16.7%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0 ABUTILON THEOPHRASTI	4 FACU-	Ad A-Forb	VELVETLEAF
APOCAN	4 Apocynum cannabinum	0 FAC	Nt P-Forb	INDIAN HEMP
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN
IPOHED	0 IPOMOEA HEDERACEA	0 FAC	Ad A-Forb	IVY-LEAVED MORNING GLORY
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 08/26/08 County: Will State: Illinois Community ID: PEM/FW Station ID: W10NE-2 Plot ID: S1																																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)																																																																															
Remarks: Soybean field with failed crop in a sparsely vegetated depression.																																																																															
VEGETATION																																																																															
Dominant Species (50/20 Rule)																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">Species Name</th> <th style="width:15%;">Ind. Status</th> <th style="width:15%;">Stratum</th> <th style="width:15%;">% Cover</th> <th style="width:40%;"></th> </tr> </thead> <tbody> <tr><td>1. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>5</td><td></td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		1. <i>Echinochloa crusgalli</i>	FACW	HERB	5		2. --	--	--	--		3. --	--	--	--		4. --	--	--	--		5. --	--	--	--		6. --	--	--	--		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">Species Name</th> <th style="width:15%;">Ind. Status</th> <th style="width:15%;">Stratum</th> <th style="width:15%;">% Cover</th> <th style="width:40%;"></th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		7. --	--	--	--		8. --	--	--	--		9. --	--	--	--		10. --	--	--	--		11. --	--	--	--		12. --	--	--	--	
Species Name	Ind. Status	Stratum	% Cover																																																																												
1. <i>Echinochloa crusgalli</i>	FACW	HERB	5																																																																												
2. --	--	--	--																																																																												
3. --	--	--	--																																																																												
4. --	--	--	--																																																																												
5. --	--	--	--																																																																												
6. --	--	--	--																																																																												
Species Name	Ind. Status	Stratum	% Cover																																																																												
7. --	--	--	--																																																																												
8. --	--	--	--																																																																												
9. --	--	--	--																																																																												
10. --	--	--	--																																																																												
11. --	--	--	--																																																																												
12. --	--	--	--																																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):					100%																																																																										
Remarks: Hydrophytic vegetation is dominant.																																																																															
HYDROLOGY																																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge _____ Aerial Photos <input checked="" type="checkbox"/> Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																																										
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)																																																																															
Remarks: Wetland hydrology is present. Sparsely vegetated depression																																																																															
Previous investigations																																																																															
SOILS																																																																															
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent s Series Drainage Class: poorly drained																																																																															
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																																															
Profile Description:																																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																									
Depth	Depth																																																																														
0	6	Ap	7.5YR 2.5/1	NA NA	NA NA	silty clay loam, dry, very friable																																																																									
6	16	A	7.5YR 2.5/1	10YR 6/6	few distinct	silty clay, moist, friable																																																																									
16	24	B	10YR 2/1	NA NA	NA NA	sand, moist, friable																																																																									
Hydric Soil Indicators2:						Indicators for Problematic Hydric Soils1:																																																																									
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																									
1Indicators of hydrophytic vegetation and wetland hydrology must be present.						2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																									
Remarks: Hydric soils are present.																																																																															
WETLAND DETERMINATION																																																																															
Hydrophytic Vegetation Present? _____ X Yes _____ No					Hydric Soils Present? _____ X Yes _____ No																																																																										
Wetland Hydrology Present? _____ X Yes _____ No					Is This Sampling Point Within A Wetland? _____ X Yes _____ No																																																																										
Remarks: This plot is located in wetland.																																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)									
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 08/26/08 County: Will State: Illinois Community ID: Upland Station ID: W10NE-2 Plot ID: S2			
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)									
Remarks: Soybean field with successful crop									
VEGETATION									
Dominant Species (50/20 Rule)									
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>					
1. <i>Glycine max</i> UPL HERB 100				7. -- -- -- --					
2. -- -- -- --				8. -- -- -- --					
3. -- -- -- --				9. -- -- -- --					
4. -- -- -- --				10. -- -- -- --					
5. -- -- -- --				11. -- -- -- --					
6. -- -- -- --				12. -- -- -- --					
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%									
Remarks: Hydrophytic vegetation is not dominant.									
HYDROLOGY									
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge _____ Aerial Photos <input checked="" type="checkbox"/> Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)				
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)									
Remarks: Wetland hydrology is not present. Previous investigations									
SOILS									
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent s Series Drainage Class: poorly drained Taxonomy (Subgroup): Typical Endoaquolls Field Observations Confirm Mapped Type? _____ X Yes _____ No									
Profile Description:									
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
Depth	Depth								
0	9	Ap	10YR	3/1	NA	NA	NA	NA	silty clay loam, dry, very friable
9	19	A	10YR	2/1	NA	NA	NA	NA	silty clay, moist, friable
19	23	B	10YR	2/1	10YR	4/6	common	prominent	silty clay, moist, friable
Hydric Soil Indicators2:									
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions				
					_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)				
					1Indicators of hydrophytic vegetation and wetland hydrology must be present.				
					2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)				
Remarks: Hydric soils are not present. Redox features too deep to meet any criteria.									
WETLAND DETERMINATION									
Hydrophytic Vegetation Present? _____ Yes _____ X No					Hydric Soils Present? _____ X Yes _____ No				
Wetland Hydrology Present? _____ Yes _____ X No					Is This Sampling Point Within A Wetland? _____ Yes _____ X No				
Remarks: This plot is not located in wetland.									

Site: Inaugural South Suburban Airport
 Locale: W10NE3
 Date: September 9, 2008 15 minutes
 By: AECOM: S. Johnson; T. Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W10NE3.inv

FLORISTIC QUALITY DATA	Native	0	0.0%	Adventive	1	100.0%
0 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
1 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
0.0 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
0.0 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
0.0 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
0.0 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	1	100.0%
5.0 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Faculative	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz	Date: 09/09/08 County: Will State: Illinois Community ID: FW Station ID: W10NE-3 Plot ID: S1
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	

Remarks: **Depression in soybean field with failed crop**
 NRCS slide review site

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover
1. Glycine max	UPL	HERB	30		7. --	--	--	--
2. --	--	--	--		8. --	--	--	--
3. --	--	--	--		9. --	--	--	--
4. --	--	--	--		10. --	--	--	--
5. --	--	--	--		11. --	--	--	--
6. --	--	--	--		12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **0%**

Remarks: **Hydrophytic vegetation is not present.**
 Failed soybean crop. It is assumed that hydrophytic vegetation would be present if the area was not cropped.

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other (Describe in Remarks) No Recorded Data Available	Wetland Hydrology Indicators: None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	

Remarks: **Wetland hydrology is present. Sparsely vegetated depression**
 NRCS Slide Review

SOILS

Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained									
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
Profile Description:									
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
Depth	Depth								
0	15	Ap	7.5YR 2.5/1	7.5YR 5/6	few distinct	mucky modified silt loam ,moist, friable			
15	24	A	7.5YR 2.5/1	7.5YR 5/8	few common distinct	clay ,moist, friable			

Hydric Soil Indicators2: <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils1: <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)
---	--

Remarks: **Hydric soils are present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
---	---

Remarks: **This plot is located in a wetland.**
 Vegetation parameter is altered by cultivation.

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz	Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: W10NE-3 Plot ID: S2
Do Normal Circumstances Exist On The Site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Site Significantly Disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Area A Potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If yes, define below.)	

Remarks: **Soybean field with successful crop**
 NRCS slide review site

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover
1. Glycine max	UPL	HERB	100		7. --	--	--	--
2. --	--	--	--		8. --	--	--	--
3. --	--	--	--		9. --	--	--	--
4. --	--	--	--		10. --	--	--	--
5. --	--	--	--		11. --	--	--	--
6. --	--	--	--		12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **0%**

Remarks: **Hydrophytic vegetation is not present.**
 crop is successful here.

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
---	---

Remarks: **Wetland hydrology is not present.**
 NRCS Slide Review

SOILS

Map Unit Name: Beecher silt loam, 2 to 4 percent slope Series Drainage Class: Somewhat poorly drained									
Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
Profile Description:									
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
Depth	Depth								
0	9	Ap	10YR 3/2	10YR 5/4	few distinct	silty clay loam, moist, friable			
9	12	A	10YR 5/3	10YR 5/6	common faint	silty clay, moist, friable			
12	24	B	10YR 6/3	10YR 5/8	many prominent	clay, moist, friable			

Hydric Soil Indicators2: <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils1: <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)
---	--

Remarks: **Hydric soils are not present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Remarks: **This plot is not located in wetland.**

Site: Inaugural South Suburban Airport
 Locale: W10NE4
 Date: August 26, 2008 30 minutes
 By: AECOM: S. Johnson; T. Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W10NE4.inv
 Notes:

FLORISTIC QUALITY DATA	Native	4	50.0%	Adventive	4	50.0%
4 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
8 Total Species	Shrub	1	12.5%	Shrub	0	0.0%
0.8 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.4 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
1.5 NATIVE FQI	P-Forb	1	12.5%	P-Forb	0	0.0%
1.1 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.0 NATIVE MEAN W	A-Forb	1	12.5%	A-Forb	2	25.0%
1.0 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Fac. Wetland (-)	A-Grass	1	12.5%	A-Grass	2	25.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0 ABUTILON THEOPHRASTI	4 FACU-	Ad A-Forb	VELVETLEAF
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
SAMCAN	1 Sambucus canadensis	-2 FACW-	Nt Shrub	ELDERBERRY
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
ZEAMAY	0 ZEA MAYS	5 UPL	Ad A-Grass	CORN

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 08/27/08 County: Will State: Illinois Community ID: FW Station ID: W10NE-4 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Soybean field with unsuccessful crop. Field drainage tile inlet within 20 ft																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: center;">Ind. Status</th> <th style="text-align: center;">Stratum</th> <th style="text-align: center;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td style="text-align: center;">UPL</td><td style="text-align: center;">HERB</td><td style="text-align: center;">30</td></tr> <tr><td>2. <i>Echinochloa crusgalli</i></td><td style="text-align: center;">FACW</td><td style="text-align: center;">HERB</td><td style="text-align: center;">2</td></tr> <tr><td>3. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>4. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>5. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>6. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	30	2. <i>Echinochloa crusgalli</i>	FACW	HERB	2	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: center;">Ind. Status</th> <th style="text-align: center;">Stratum</th> <th style="text-align: center;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>8. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>9. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>10. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>11. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>12. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	30																																																														
2. <i>Echinochloa crusgalli</i>	FACW	HERB	2																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant. Soybean crop is not successful. It is assumed that hydrophytic vegetation would be present if area not cropped.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other (Describe in Remarks) No Recorded Data Available				Wetland Hydrology Indicators: None Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Drift Lines <input checked="" type="checkbox"/> Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)				Remarks: Wetland hydrology is present. Sparsely vegetated depression. Ag drainage tile present. NRCS Slide Review																																																													
SOILS																																																																	
Map Unit Name: Peotone silty clay loam, 0 to 2 percent s Series Drainage Class: Very poorly drained Taxonomy (Subgroup): Cumulic Vertic Endoaquoll Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="text-align: center;">Top Depth</th> <th style="text-align: center;">Bottom Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: left;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">20</td> <td style="text-align: center;">Ap</td> <td style="text-align: center;">10YR 2/1</td> <td style="text-align: center;">5YR 4/6</td> <td style="text-align: center;">few faint</td> <td style="text-align: left;">mucky silty clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	20	Ap	10YR 2/1	5YR 4/6	few faint	mucky silty clay loam, moist, friable																																										
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	20	Ap	10YR 2/1	5YR 4/6	few faint	mucky silty clay loam, moist, friable																																																											
Hydric Soil Indicators2: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 45%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </div> </div>						Indicators for Problematic Hydric Soils1: <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </div> <div style="width: 45%;"> 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006) </div> </div>																																																											
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Remarks: This plot is located in wetland. Wetland vegetation would likely be present under normal circumstances.																																																																	

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz	Date: 08/27/08 County: Will State: Illinois Community ID: Upland Station ID: W10NE-4 Plot ID: S2
Do Normal Circumstances Exist On The Site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Site Significantly Disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Area A Potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If yes, define below.)	

Remarks: **Soybean field with successful crop**

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover
1. Glycine max	UPL	HERB	100		7. --	--	--	--
2. --	--	--	--		8. --	--	--	--
3. --	--	--	--		9. --	--	--	--
4. --	--	--	--		10. --	--	--	--
5. --	--	--	--		11. --	--	--	--
6. --	--	--	--		12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **0%**

Remarks: **Hydrophytic vegetation is not dominant.**

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available	Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	

Remarks: **Wetland hydrology is not present.**

Previous investigations and NRCS Slide Review

SOILS

Map Unit Name: Markham silt loam, 4 to 6 percent slopes, Series Drainage Class: Moderately well-drained									
Taxonomy (Subgroup): Mollic Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
Profile Description:									
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
0	6	Ap	10YR 3/2	NA	NA	NA	NA	silty clay loam, dry, very friable	
6	14	A	10YR 3/2	10YR 5/4	few	faint		silty clay, moist, friable	
14	20	B	10YR 4/2	10YR 5/6	common	prominent		sandy clay, moist, friable	

Hydric Soil Indicators2:

Indicators for Problematic Hydric Soils1:

- | | | |
|---|---|--|
| _____ (A1) Histosol
_____ (A2) Histic Epipedon
_____ (A3) Black Histic
_____ (A4) Hydrogen Sulfide
_____ (A5) Stratified Layers
_____ (A10) 2 cm Muck
_____ (A11) Depleted Below Dark Surface
_____ (A12) Thick Dark Surface
_____ (S1) Sandy Mucky Mineral
_____ (S3) 5 cm Mucky Peat or Peat | _____ (S4) Sandy Gleyed Matrix
_____ (S5) Sandy Redox
_____ (S6) Stripped Matrix
_____ (F1) Loamy Mucky Mineral
_____ (F2) Loamy Gleyed Matrix
_____ (F3) Depleted Matrix
_____ (F6) Redox Dark Surface
_____ (F7) Depleted Dark Surface
_____ (F8) Redox Depressions | _____ (A16) Coast Prairie Redox
_____ (F12) Iron-Manganese Masses
_____ Other (Explain in Remarks)
1Indicators of hydrophytic vegetation and wetland hydrology must be present.
2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006) |
|---|---|--|

Remarks: **Hydric soils are not present. Soil profile meets the mapped upland soil (Markham) description.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Remarks: **This plot is not located in wetland.**

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 08/27/08 County: Will State: Illinois Community ID: Upland Station ID: W10NE-4 Plot ID: S3																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)																																																																	
Remarks: Soybean field with successful crop																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	100																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																																											
Remarks: Hydrophytic vegetation is not dominant. Crop is successful.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Previous investigations and NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent s Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ X Yes _____ No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>20</td> <td>Ap</td> <td>10YR 2/1</td> <td>10YR 5/6</td> <td>few faint</td> <td>silty clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	20	Ap	10YR 2/1	10YR 5/6	few faint	silty clay loam, moist, friable																																										
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	20	Ap	10YR 2/1	10YR 5/6	few faint	silty clay loam, moist, friable																																																											
Hydric Soil Indicators2: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix X (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses X Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Soil matches profile for hydric Ashkum, but redox indicator too weak to meet F6 or F8 criteria. Dark soil matrix is probably masking the redox.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No				Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																													
Remarks: This plot is not located in wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 08/27/08 County: Will State: Illinois Community ID: FW Station ID: W10NE-4 Plot ID: S4																																																											
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Soybean field with failed crop																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>30</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	30	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	30																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant Soybean crop is not successful. It is assumed that hydrophytic vegetation would be present if area not cropped.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input checked="" type="checkbox"/> Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is present. Sparsely vegetated depression previous investigation and NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Peotone silty clay loam, 0 to 2 percent s Series Drainage Class: Very poorly drained Taxonomy (Subgroup): Cumulic Vertic Endoaquoll Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA</td> <td>NA</td> <td>organics mised mucky silty clay loam, dry, very friable</td> </tr> <tr> <td>7</td> <td>12</td> <td>A</td> <td>10YR 3/1</td> <td>10YR 4/4</td> <td>common</td> <td>sandy clay loam, moist, friable</td> </tr> <tr> <td>12</td> <td>20</td> <td>B</td> <td>10YR 4/2</td> <td>10YR 4/6</td> <td>common</td> <td>sandy clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	7	Ap	10YR 2/1	NA	NA	organics mised mucky silty clay loam, dry, very friable	7	12	A	10YR 3/1	10YR 4/4	common	sandy clay loam, moist, friable	12	20	B	10YR 4/2	10YR 4/6	common	sandy clay loam, moist, friable																												
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	7	Ap	10YR 2/1	NA	NA	organics mised mucky silty clay loam, dry, very friable																																																											
7	12	A	10YR 3/1	10YR 4/4	common	sandy clay loam, moist, friable																																																											
12	20	B	10YR 4/2	10YR 4/6	common	sandy clay loam, moist, friable																																																											
Hydric Soil Indicators2: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
1Indicators of hydrophytic vegetation and wetland hydrology must be present.						2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are present																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Remarks: This plot is located in wetland. Wetland vegetation would likely be present under normal circumstances.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 08/27/08 County: Will State: Illinois Community ID: Upland Station ID: W10NE-4 Plot ID: S5																																																											
Do Normal Circumstances Exist On The Site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Site Significantly Disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is The Area A Potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If yes, define below.)																																																																	
Remarks: Part of tiled grassed waterway in corn field																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Zea mays</i></td> <td>UPL</td> <td>HERB</td> <td>5</td> </tr> <tr> <td>2. <i>Abutilon theophrasti</i></td> <td>FACU-</td> <td>HERB</td> <td>15</td> </tr> <tr> <td>3. <i>Setaria faberi</i></td> <td>FACU+</td> <td>HERB</td> <td>80</td> </tr> <tr> <td>4. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Zea mays</i>	UPL	HERB	5	2. <i>Abutilon theophrasti</i>	FACU-	HERB	15	3. <i>Setaria faberi</i>	FACU+	HERB	80	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Zea mays</i>	UPL	HERB	5																																																														
2. <i>Abutilon theophrasti</i>	FACU-	HERB	15																																																														
3. <i>Setaria faberi</i>	FACU+	HERB	80																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not present.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Agricultural drainage tile is functioning. Previous investigations and NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Peotone silty clay loam, 0 to 2 percent s Series Drainage Class: Very poorly drained Taxonomy (Subgroup): Cumulic Vertic Endoaquoll Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th colspan="2">Matrix Color (Munsell Moist):</th> <th colspan="2">Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>21</td> <td>Ap</td> <td>10YR</td> <td>2.5/1</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>organics silty clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	21	Ap	10YR	2.5/1	NA	NA	NA	organics silty clay loam, moist, friable																																						
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
0	21	Ap	10YR	2.5/1	NA	NA	NA	organics silty clay loam, moist, friable																																																									
Hydric Soil Indicators2: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Remarks: This plot is not located in wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport						Date: 08/26/08																																																											
Applicant/Owner: Illinois Department of Transportation						County: Will																																																											
Investigator #1: Sarah Johnson #2: Tory Schultz						State: Illinois																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No						Community ID: Upland																																																											
Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No						Station ID: W10NE-5																																																											
Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Plot ID: NA																																																											
Remarks: Tiled grassed waterway next to successful soybean crop. NRCS slide review site																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>2. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>--</td></tr> <tr><td>3. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Glycine max</i>	UPL	HERB	--	2. <i>Setaria faberi</i>	FACU+	HERB	--	3. <i>Bromus inermis</i>	UPL	HERB	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Glycine max</i>	UPL	HERB	--																																																														
2. <i>Setaria faberi</i>	FACU+	HERB	--																																																														
3. <i>Bromus inermis</i>	UPL	HERB	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Hydrophytic vegetation is not present. Cover percentages not recorded.																																																																	
HYDROLOGY																																																																	
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Agricultural drainage tile is functioning. NRCS slide review site																																																																	
SOILS																																																																	
Map Unit Name: Markham silt loam, 4 to 6 percent slopes						Series Drainage Class: Moderately well-drained																																																											
Taxonomy (Subgroup): Mollic Oxyaquic Hapludalfs						Field Observations Confirm Mapped Type? No soil core taken* _____ Yes _____ No																																																											
Profile Description:																																																																	
Top	Bottom		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,																																																											
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	and other soil characteristics.																																																											
Hydric Soil Indicators2:						Indicators for Problematic Hydric Soils1:																																																											
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
1Indicators of hydrophytic vegetation and wetland hydrology must be present.						2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are not mapped. *Wetland vegetation and hydrology are not present, so no soil core collected.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No					Hydric Soils Present? No soil core taken* _____ Yes _____ X No																																																												
Wetland Hydrology Present? _____ Yes _____ X No					Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																												
Remarks: This plot is not located in a wetland *Wetland vegetation and hydrology are not present, so no soil core collected.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport						Date: 08/26/08																																																											
Applicant/Owner: Illinois Department of Transportation						County: Will																																																											
Investigator #1: Sarah Johnson #2: Tory Schultz						State: Illinois																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No						Community ID: Upland																																																											
Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No						Station ID: W10NE-6																																																											
Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Plot ID: S1																																																											
Remarks: Small depression in agricultural field																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>10</td></tr> <tr><td>2. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>5</td></tr> <tr><td>3. <i>Abutilon theophrasti</i></td><td>FACU-</td><td>HERB</td><td>2</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Glycine max</i>	UPL	HERB	10	2. <i>Setaria faberi</i>	FACU+	HERB	5	3. <i>Abutilon theophrasti</i>	FACU-	HERB	2	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Glycine max</i>	UPL	HERB	10																																																														
2. <i>Setaria faberi</i>	FACU+	HERB	5																																																														
3. <i>Abutilon theophrasti</i>	FACU-	HERB	2																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Hydrophytic vegetation is not present. Little to no vegetation in depressed area; none of the species are hydrophytic.																																																																	
HYDROLOGY																																																																	
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test X Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Sparsely vegetated depression does not have evidence of ponding. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes						Series Drainage Class: poorly drained soils																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																											
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast		Texture, moisture, consistency, organic material, and other soil characteristics.																																																								
0	20	A	7.5YR	2.5/1	NA	NA	NA	NA	silty clay, moist, friable																																																								
Hydric Soil Indicators2:																																																																	
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																												
Indicators for Problematic Hydric Soils1: _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																	
2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																	
Remarks: Hydric soils are not present. No evidence of redox or mucky texture present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No																																																												
Wetland Hydrology Present? _____ Yes _____ X No					Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																												
Remarks: This plot is not located in wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson/Teri Radke #2: Tory Schultz						Date: 08/28/08 County: Will State: Illinois Community ID: Upland Station ID: W10NE-7 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Tiled grassed waterway in the middle of corn field																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Zea mays</i></td><td>UPL</td><td>HERB</td><td>10</td></tr> <tr><td>2. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>75</td></tr> <tr><td>3. <i>Abutilon theophrasti</i></td><td>FACU-</td><td>HERB</td><td>10</td></tr> <tr><td>4. <i>Ambrosia trifida</i></td><td>FAC+</td><td>HERB</td><td>10</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Zea mays</i>	UPL	HERB	10	2. <i>Setaria faberi</i>	FACU+	HERB	75	3. <i>Abutilon theophrasti</i>	FACU-	HERB	10	4. <i>Ambrosia trifida</i>	FAC+	HERB	10	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Zea mays</i>	UPL	HERB	10																																																														
2. <i>Setaria faberi</i>	FACU+	HERB	75																																																														
3. <i>Abutilon theophrasti</i>	FACU-	HERB	10																																																														
4. <i>Ambrosia trifida</i>	FAC+	HERB	10																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Agricultural drainage tile is present. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Peotone silty clay loam, 0 to 2 percent slo Series Drainage Class: Very poorly drained Taxonomy (Subgroup): Cumulic Vertic Endoaquolls Field Observations Confirm Mapped Type? _____ Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>3</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA</td> <td>NA</td> <td>organics silty clay, dry, very firm</td> </tr> <tr> <td>3</td> <td>15</td> <td>A</td> <td>10YR 2/1</td> <td>NA</td> <td>NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>15</td> <td>26</td> <td>AB</td> <td>10YR 2/1</td> <td>10YR 5/6</td> <td>common</td> <td>prominent silty clay, moist, friable</td> </tr> <tr> <td>26</td> <td>30</td> <td>B</td> <td>10YR 2/1</td> <td>10YR 4/6</td> <td>few</td> <td>distinct clay, moist, friable</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	3	Ap	10YR 2/1	NA	NA	organics silty clay, dry, very firm	3	15	A	10YR 2/1	NA	NA	silty clay loam, moist, friable	15	26	AB	10YR 2/1	10YR 5/6	common	prominent silty clay, moist, friable	26	30	B	10YR 2/1	10YR 4/6	few	distinct clay, moist, friable																					
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	3	Ap	10YR 2/1	NA	NA	organics silty clay, dry, very firm																																																											
3	15	A	10YR 2/1	NA	NA	silty clay loam, moist, friable																																																											
15	26	AB	10YR 2/1	10YR 5/6	common	prominent silty clay, moist, friable																																																											
26	30	B	10YR 2/1	10YR 4/6	few	distinct clay, moist, friable																																																											
Hydric Soil Indicators2: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
						1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are not present. Redox features too deep to meet hydric criterion.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? _____ Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? _____ Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? _____ Yes <input checked="" type="checkbox"/> No																																																													
Remarks: This plot is not located in wetland.																																																																	

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz	Date: 08/27/08 County: Will State: Illinois Community ID: Upland Station ID: W10NE-8 Plot ID: S1
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	

Remarks: **Grassed, tiled waterway in corn field**

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover	Species Name	Ind. Status	Stratum	% Cover
1. <i>Bromus inermis</i>	UPL	HERB	75	7. --	--	--	--
2. <i>Ambrosia trifida</i>	FAC+	HERB	5	8. --	--	--	--
3. <i>Setaria faberi</i>	FACU+	HERB	20	9. --	--	--	--
4. <i>Asclepias syriaca</i>	UPL	HERB	2	10. --	--	--	--
5. --	--	--	--	11. --	--	--	--
6. --	--	--	--	12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **0%**

Remarks: **Hydrophytic vegetation is not dominant.**

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
---	--

Remarks: **Wetland hydrology is not present. Agricultural drainage tile is functioning.**

NRCS Slide Review

SOILS

Map Unit Name: Ashkum silty clay loam, 0 to 2 % slopes				Series Drainage Class: Poorly drained					
Taxonomy (Subgroup): Typic Endoaquolls				Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

Profile Description:									
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
0	2	Ap	7.5YR 3/1	NA NA	NA NA	organics silty clay loam, dry, very friable			
2	10	A	7.5YR 3/1	NA NA	NA NA	silty clay loam, moist, friable			
10	21	B	10Y 5/1	7.5Y 5/8	many prominent	brick fill clay, moist, friable			

Hydric Soil Indicators2:

Indicators for Problematic Hydric Soils1:

_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)
---	---	--

Remarks: **Hydric soils are present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Remarks: **This plot is not located in wetland.**

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)									
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: W10NE-9 Plot ID: S1			
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ X Yes _____ No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Tiled waterway present nearby NRCS slide review site			
(If yes, define below.)									
VEGETATION									
Dominant Species (50/20 Rule)									
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>					
1. Glycine max UPL HERB 100				7. -- -- -- --					
2. -- -- -- --				8. -- -- -- --					
3. -- -- -- --				9. -- -- -- --					
4. -- -- -- --				10. -- -- -- --					
5. -- -- -- --				11. -- -- -- --					
6. -- -- -- --				12. -- -- -- --					
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%									
Remarks: Hydrophytic vegetation is not dominant.									
HYDROLOGY									
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)				
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology is not present. NRCS Slide Review				
(Empty field for additional observations)									
SOILS									
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? _____ Yes _____ X No									
Profile Description:									
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
0	4	Ap	10YR	2/2	NA	NA	NA	NA	silty clay loam, moist, friable
4	12	Ap	10YR	3/2	10YR	5/6	common	faint	silty clay loam, moist, friable
Hydric Soil Indicators2:									
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions				
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)					1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)				
Remarks: Hydric soils are not present. Upper 12 inches checked for hydric indicators Redox indicator not sufficiently pronounced to meet hydric criterion for contrast									
WETLAND DETERMINATION									
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No				
Remarks: This plot is not located in wetland.									

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: W10NE-10 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Tiled, grassed waterway NRCS slide review site																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>40</td></tr> <tr><td>2. <i>Ambrosia trifida</i></td><td>FAC+</td><td>HERB</td><td>30</td></tr> <tr><td>3. <i>Zea mays</i></td><td>UPL</td><td>HERB</td><td>30</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Setaria faberi</i>	FACU+	HERB	40	2. <i>Ambrosia trifida</i>	FAC+	HERB	30	3. <i>Zea mays</i>	UPL	HERB	30	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Setaria faberi</i>	FACU+	HERB	40																																																														
2. <i>Ambrosia trifida</i>	FAC+	HERB	30																																																														
3. <i>Zea mays</i>	UPL	HERB	30																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 33% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Agricultural drainage tile is functioning NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>4</td> <td>Ap</td> <td>10YR 2/1</td> <td>10YR 4/3</td> <td>few faint</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>4</td> <td>8</td> <td>A</td> <td>10YR 3/2</td> <td>10YR 5/6</td> <td>common distinct</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>8</td> <td>12</td> <td>B</td> <td>10YR 4/3</td> <td>10YR 5/6</td> <td>common distinct</td> <td>clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	4	Ap	10YR 2/1	10YR 4/3	few faint	silty clay loam, moist, friable	4	8	A	10YR 3/2	10YR 5/6	common distinct	silty clay loam, moist, friable	8	12	B	10YR 4/3	10YR 5/6	common distinct	clay, moist, friable																												
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	4	Ap	10YR 2/1	10YR 4/3	few faint	silty clay loam, moist, friable																																																											
4	8	A	10YR 3/2	10YR 5/6	common distinct	silty clay loam, moist, friable																																																											
8	12	B	10YR 4/3	10YR 5/6	common distinct	clay, moist, friable																																																											
Hydric Soil Indicators2: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
1Indicators of hydrophytic vegetation and wetland hydrology must be present.						2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are present. Upper 12 inches checked for hydric indicators.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: UW10NE-11 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Grassed waterway, tile drainage NRCS slide review site																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Morus alba</i></td><td>FAC</td><td>TREE</td><td>5</td></tr> <tr><td>2. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>70</td></tr> <tr><td>3. <i>Helianthus grosseserratus</i></td><td>FACW-</td><td>HERB</td><td>5</td></tr> <tr><td>4. <i>Cirsium arvense</i></td><td>FACU</td><td>HERB</td><td>25</td></tr> <tr><td>5. <i>Abutilon theophrasti</i></td><td>FACU-</td><td>HERB</td><td>10</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Morus alba</i>	FAC	TREE	5	2. <i>Bromus inermis</i>	UPL	HERB	70	3. <i>Helianthus grosseserratus</i>	FACW-	HERB	5	4. <i>Cirsium arvense</i>	FACU	HERB	25	5. <i>Abutilon theophrasti</i>	FACU-	HERB	10	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Morus alba</i>	FAC	TREE	5																																																														
2. <i>Bromus inermis</i>	UPL	HERB	70																																																														
3. <i>Helianthus grosseserratus</i>	FACW-	HERB	5																																																														
4. <i>Cirsium arvense</i>	FACU	HERB	25																																																														
5. <i>Abutilon theophrasti</i>	FACU-	HERB	10																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						33%																																																											
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Agricultural tile drainage is present NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained																																																																	
Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? _____ Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	6	Ap	10YR 3/2	NA NA	NA NA	loam, moist, friable																																																											
6	12	A	10YR 2/1	5YR 3/4	common faint	silt loam, moist, friable																																																											
Hydric Soil Indicators2:																																																																	
(A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat			(S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions			Indicators for Problematic Hydric Soils1: (A16) Coast Prairie Redox (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are present. Upper 12 inches checked for hydric indicators.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes _____ No																																																												
Wetland Hydrology Present? _____ Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? _____ Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in wetland.																																																																	

Site: Inaugural South Suburban Airport
 Locale: W10NW1
 Date: October 6, 2008 15 minutes
 By: AECOM: S. Johnson; T. Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W10NW1.inv

FLORISTIC QUALITY DATA	Native	0	0.0%	Adventive	1	100.0%
0 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
1 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
0.0 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
0.0 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
0.0 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
0.0 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	1	100.0%
5.0 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Faculative	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport						Date: 10/06/08																																																											
Applicant/Owner: Illinois Department of Transportation						County: Will																																																											
Investigator #1: Sarah Johnson #2: Tory Schultz						State: Illinois																																																											
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Community ID: FW																																																											
Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Station ID: W10NW-1																																																											
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Plot ID: S1																																																											
Remarks: Soybean field with stressed crop																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>30</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	30	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	30																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Wetland vegetation is not dominant. Soybean crop is sparse and stressed in this area. It is assumed that hydrophytic vegetation would be present if area not cropped.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input type="checkbox"/> Aerial Photos <input checked="" type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is present. Sparsely vegetated depression. Previous investigations																																																																	
SOILS																																																																	
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained																																																																	
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	11	Ap	5Y 2.5/1	10YR 5/8	few distinct	Fe concretions silty clay loam, moist, friable																																																											
12	21	A	5Y 2.5/1	N 2.5/0	few prominent	Fe concretions, organic streaking clay, moist, friable																																																											
Hydric Soil Indicators2:																																																																	
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat			<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input checked="" type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions			<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in a wetland. Wetland vegetation would likely be present under normal circumstances.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport						Date: 10/06/08																																																											
Applicant/Owner: Illinois Department of Transportation						County: Will																																																											
Investigator #1: Sarah Johnson #2: Tory Schultz						State: Illinois																																																											
Do Normal Circumstances Exist On The Site? <u> </u> Yes <u> X</u> No						Community ID: Upland																																																											
Is The Site Significantly Disturbed (Atypical Situation)? <u> </u> Yes <u> X</u> No						Station ID: W10NW-1																																																											
Is The Area A Potential Problem Area? <u> </u> Yes <u> X</u> No (If yes, define below.)						Plot ID: S2																																																											
Remarks: Soybean field with successful crop.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	100																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																																											
Remarks: Hydrophytic vegetation is not dominant. crop successful																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <u> </u> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <u> </u> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <u> </u> Inundated <u> </u> Saturated in Upper 12 Inches <u> </u> Water Marks <u> </u> Drift Lines <u> </u> Sediment Deposits <u> </u> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <u> </u> Oxidized Root Channels In Upper 12 Inches <u> </u> Water-Stained Leaves <u> </u> Local Soil Survey Data <u> </u> FAC-Neutral Test <u> </u> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: <u> </u> NA (in.) Depth to Free Water: <u> </u> NA (in.) Depth to Saturated Soil: <u> </u> NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Previous Investigation																																																																	
SOILS																																																																	
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained																																																																	
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <u> </u> <input checked="" type="checkbox"/> Yes <u> </u> No																																																																	
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	10	Ap	10YR 2/2	NA NA	NA NA	silty clay loam, moist, friable																																																											
10	12	A	10YR 2/1	10YR 5/8	few distinct	Fe concretions, organic streaking silty clay loam, moist, friable																																																											
12	21	B	2.5Y 2.5/1	10YR 6/6	few distinct	clay loam, moist, friable																																																											
Hydric Soil Indicators2:																																																																	
Indicators for Problematic Hydric Soils1:																																																																	
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat			<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions			<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are not present. Profile matches Ashkum but redox features are too deep and sparse.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <u> </u> Yes <u> X</u> No					Hydric Soils Present? <u> </u> Yes <u> X</u> No																																																												
Wetland Hydrology Present? <u> </u> Yes <u> X</u> No					Is This Sampling Point Within A Wetland? <u> </u> Yes <u> X</u> No																																																												
Remarks: This plot is not located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz					Date: 08/28/08 County: Will State: Illinois Community ID: Upland Station ID: W10NW-3 Plot ID: S1																																																												
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)					Remarks: Farmfield with successful soybean crop. Probably tiled.																																																												
VEGETATION Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>95</td></tr> <tr><td>2. <i>Ambrosia trifida</i></td><td>FAC+</td><td>HERB</td><td>5</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Glycine max</i>	UPL	HERB	95	2. <i>Ambrosia trifida</i>	FAC+	HERB	5	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Glycine max</i>	UPL	HERB	95																																																														
2. <i>Ambrosia trifida</i>	FAC+	HERB	5																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Soybean field; vegetation shows no sign of stress																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. NRCS Slide Review																																																												
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent s Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? No soil core taken* Yes <input type="checkbox"/> No <input type="checkbox"/>																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;">Top</th> <th style="width:5%;">Bottom</th> <th style="width:10%;">Horizon</th> <th style="width:10%;">Matrix Color (Munsell Moist):</th> <th style="width:10%;">Mottle Colors (Munsell Moist):</th> <th style="width:10%;">Mottle Abundance/Contrast</th> <th style="width:50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators2: <table style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width:50%; vertical-align: top;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> </tr> </table>										_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																						
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																																
Indicators for Problematic Hydric Soils1: <table style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) </td> <td style="width:50%; vertical-align: top;"> 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006) </td> </tr> </table>										_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)	1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																						
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)	1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																
Remarks: Hydric soils are mapped. *Wetland vegetation and hydrology are not present, so no soil core collected.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? No soil core taken* <input type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in wetland. *Wetland vegetation and hydrology are not present, so no soil core collected.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson/Teri Radke #2: Tory Schultz						Date: 08/28/08 County: Will State: Illinois Community ID: Upland Station ID: W10NW-4 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Tiled grassed waterway																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>10</td></tr> <tr><td>2. <i>Chenopodium leptophyllum</i></td><td>FACU-</td><td>HERB</td><td>5</td></tr> <tr><td>3. <i>Ambrosia trifida</i></td><td>FAC+</td><td>HERB</td><td>7</td></tr> <tr><td>4. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>1</td></tr> <tr><td>5. <i>Trifolium pratense</i></td><td>FACU+</td><td>HERB</td><td>2</td></tr> <tr><td>6. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>65</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Glycine max</i>	UPL	HERB	10	2. <i>Chenopodium leptophyllum</i>	FACU-	HERB	5	3. <i>Ambrosia trifida</i>	FAC+	HERB	7	4. <i>Echinochloa crusgalli</i>	FACW	HERB	1	5. <i>Trifolium pratense</i>	FACU+	HERB	2	6. <i>Setaria faberi</i>	FACU+	HERB	65	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Solanum americanum</i></td><td>FACU-</td><td>HERB</td><td>2</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. <i>Solanum americanum</i>	FACU-	HERB	2	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Glycine max</i>	UPL	HERB	10																																																														
2. <i>Chenopodium leptophyllum</i>	FACU-	HERB	5																																																														
3. <i>Ambrosia trifida</i>	FAC+	HERB	7																																																														
4. <i>Echinochloa crusgalli</i>	FACW	HERB	1																																																														
5. <i>Trifolium pratense</i>	FACU+	HERB	2																																																														
6. <i>Setaria faberi</i>	FACU+	HERB	65																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Solanum americanum</i>	FACU-	HERB	2																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Secondary Indicators (2 or More Required): Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Agricultural drainage tile is functioning. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained soils Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>10</td> <td>A</td> <td>7.5YR 2.5/1</td> <td>7.5YR 5/4</td> <td>few prominent</td> <td>silty clay, dry, friable</td> </tr> <tr> <td>10</td> <td>21</td> <td>B</td> <td>10YR 4/2</td> <td>10YR 5/8</td> <td>many distinct</td> <td>silty clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	10	A	7.5YR 2.5/1	7.5YR 5/4	few prominent	silty clay, dry, friable	10	21	B	10YR 4/2	10YR 5/8	many distinct	silty clay, moist, friable																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	10	A	7.5YR 2.5/1	7.5YR 5/4	few prominent	silty clay, dry, friable																																																											
10	21	B	10YR 4/2	10YR 5/8	many distinct	silty clay, moist, friable																																																											
Hydric Soil Indicators2: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ <input checked="" type="checkbox"/> (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson/Teri Radke #2: Tory Schultz						Date: 08/27/08 County: Will State: Illinois Community ID: Upland Station ID: W10NW-5 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Tiled, grassed waterway																																																																	
VEGETATION?																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>2</td></tr> <tr><td>2. <i>Festuca elatior</i></td><td>FACU+</td><td>HERB</td><td>20</td></tr> <tr><td>3. <i>Ambrosia trifida</i></td><td>FAC+</td><td>HERB</td><td>10</td></tr> <tr><td>4. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>5</td></tr> <tr><td>5. <i>Trifolium pratense</i></td><td>FACU+</td><td>HERB</td><td>25</td></tr> <tr><td>6. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>35</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Glycine max</i>	UPL	HERB	2	2. <i>Festuca elatior</i>	FACU+	HERB	20	3. <i>Ambrosia trifida</i>	FAC+	HERB	10	4. <i>Echinochloa crusgalli</i>	FACW	HERB	5	5. <i>Trifolium pratense</i>	FACU+	HERB	25	6. <i>Setaria faberi</i>	FACU+	HERB	35	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Polygonum pensylvanicum</i></td><td>FACW+</td><td>HERB</td><td>3</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. <i>Polygonum pensylvanicum</i>	FACW+	HERB	3	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Glycine max</i>	UPL	HERB	2																																																														
2. <i>Festuca elatior</i>	FACU+	HERB	20																																																														
3. <i>Ambrosia trifida</i>	FAC+	HERB	10																																																														
4. <i>Echinochloa crusgalli</i>	FACW	HERB	5																																																														
5. <i>Trifolium pratense</i>	FACU+	HERB	25																																																														
6. <i>Setaria faberi</i>	FACU+	HERB	35																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Polygonum pensylvanicum</i>	FACW+	HERB	3																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant. Hydrophytic species occur in very center of drainageway, but are not dominant																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Agricultural drainage tile is functioning NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>5</td> <td>Ap</td> <td>10YR 3/1</td> <td>NA</td> <td>NA</td> <td>silty clay, dry, friable</td> </tr> <tr> <td>5</td> <td>12</td> <td>A</td> <td>10YR 4.5/1</td> <td>10YR 2/1</td> <td>few distinct</td> <td>gravelly sandy clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	5	Ap	10YR 3/1	NA	NA	silty clay, dry, friable	5	12	A	10YR 4.5/1	10YR 2/1	few distinct	gravelly sandy clay, moist, friable																																			
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	5	Ap	10YR 3/1	NA	NA	silty clay, dry, friable																																																											
5	12	A	10YR 4.5/1	10YR 2/1	few distinct	gravelly sandy clay, moist, friable																																																											
Hydric Soil Indicators2: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix <input checked="" type="checkbox"/> (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are present. Upper 12 inches checked for hydric indicators																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in wetland. Agricultural drainage tile effectively removes water from area.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport						Date: 09/09/08																																																											
Applicant/Owner: Illinois Department of Transportation						County: Will																																																											
Investigator #1: Sarah Johnson #2: Tory Schultz						State: Illinois																																																											
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Community ID: Upland Station ID: W10NW-6 Plot ID: S1																																																											
Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Tiled grassed waterway NRCS slide review site																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Ambrosia artemisiifolia</i></td><td>FACU</td><td>HERB</td><td>5</td></tr> <tr><td>2. <i>Abutilon theophrasti</i></td><td>FACU-</td><td>HERB</td><td>10</td></tr> <tr><td>3. <i>Chenopodium album</i></td><td>FAC-</td><td>HERB</td><td>10</td></tr> <tr><td>4. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>35</td></tr> <tr><td>5. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>10</td></tr> <tr><td>6. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>10</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Ambrosia artemisiifolia</i>	FACU	HERB	5	2. <i>Abutilon theophrasti</i>	FACU-	HERB	10	3. <i>Chenopodium album</i>	FAC-	HERB	10	4. <i>Setaria faberi</i>	FACU+	HERB	35	5. <i>Echinochloa crusgalli</i>	FACW	HERB	10	6. <i>Glycine max</i>	UPL	HERB	10	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Cyperus rivularis</i></td><td>FACW+</td><td>HERB</td><td>5</td></tr> <tr><td>8. <i>Ambrosia trifida</i></td><td>FAC+</td><td>HERB</td><td>5</td></tr> <tr><td>9. <i>Polygonum pensylvanicum</i></td><td>FACW+</td><td>HERB</td><td>5</td></tr> <tr><td>10. <i>Hibiscus trionum</i></td><td>UPL</td><td>HERB</td><td>5</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. <i>Cyperus rivularis</i>	FACW+	HERB	5	8. <i>Ambrosia trifida</i>	FAC+	HERB	5	9. <i>Polygonum pensylvanicum</i>	FACW+	HERB	5	10. <i>Hibiscus trionum</i>	UPL	HERB	5	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Ambrosia artemisiifolia</i>	FACU	HERB	5																																																														
2. <i>Abutilon theophrasti</i>	FACU-	HERB	10																																																														
3. <i>Chenopodium album</i>	FAC-	HERB	10																																																														
4. <i>Setaria faberi</i>	FACU+	HERB	35																																																														
5. <i>Echinochloa crusgalli</i>	FACW	HERB	10																																																														
6. <i>Glycine max</i>	UPL	HERB	10																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Cyperus rivularis</i>	FACW+	HERB	5																																																														
8. <i>Ambrosia trifida</i>	FAC+	HERB	5																																																														
9. <i>Polygonum pensylvanicum</i>	FACW+	HERB	5																																																														
10. <i>Hibiscus trionum</i>	UPL	HERB	5																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 20%																																																																	
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available </div>				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Agricultural drainage tile is functioning. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Drummer silty clay loam, 0 to 2 percent Series Drainage Class: poorly drained																																																																	
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description:																																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Depth	Depth																																																																
0	6	Ap	10YR 3/1	NA	NA	NA	NA	loam, moist, friable																																																									
6	12	A	10YR 5/3	7.5YR 5/8	many	prominent		iron concretions sandy clay, moist, friable																																																									
Hydric Soil Indicators ² :																																																																	
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat			<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions			<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are not present. Upper soil horizons checked for hydric indicators. Matrix collors at 6-12 inches too high for depleted matrix and redox features start too deep F8																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Remarks: This plot is not located in wetland.																																																																	

Site: Inaugural South Suburban Airport
 Locale: BWCW10
 Date: August 26, 2008 1 hours
 By: AECOM: S. Johnson; T.Schultz
 File: 1:\work\103576\wp\Environmental\Wetland Delineation\Completed Field Forms\Revised
 Forms\W10\FQI\BWCW10.inv

FLORISTIC QUALITY DATA	Native	36	73.5%	Adventive	13	26.5%
36 NATIVE SPECIES	Tree	4	8.2%	Tree	2	4.1%
49 Total Species	Shrub	5	10.2%	Shrub	1	2.0%
2.7 NATIVE MEAN C	W-Vine	3	6.1%	W-Vine	1	2.0%
2.0 W/Adventives	H-Vine	1	2.0%	H-Vine	0	0.0%
16.3 NATIVE FQI	P-Forb	10	20.4%	P-Forb	4	8.2%
14.0 W/Adventives	B-Forb	1	2.0%	B-Forb	1	2.0%
-2.2 NATIVE MEAN W	A-Forb	5	10.2%	A-Forb	1	2.0%
-1.7 W/Adventives	P-Grass	1	2.0%	P-Grass	3	6.1%
AVG: Fac. Wetland (-)	A-Grass	1	2.0%	A-Grass	0	0.0%
	P-Sedge	4	8.2%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	1	2.0%			

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOGNOMY	COMMON NAME
ACENEG	0	Acer negundo	-2	FACW-	Nt Tree	BOX ELDER
ACESAI	0	Acer saccharinum	-3	FACW	Nt Tree	SILVER MAPLE
AGRALA	0	AGROSTIS ALBA	-3	FACW	Ad P-Grass	REDTOP
AMBTRI	0	Ambrosia trifida	-1	FAC+	Nt A-Forb	GIANT RAGWEED
ASTLAT	4	Aster lateriflorus	-2	FACW-	Nt P-Forb	SIDE-FLOWERING ASTER
BIDCON	5	Bidens connata	-5	OBL	Nt A-Forb	PURPLE-STEMMED TICKSEED
BIDFRO	1	Bidens frondosa	-3	FACW	Nt A-Forb	COMMON BEGGAR'S TICKS
CXLACU	6	Carex lacustris	-5	OBL	Nt P-Sedge	COMMON LAKE SEDGE
CXVULP	2	Carex vulpinoidea	-5	OBL	Nt P-Sedge	BROWN FOX SEDGE
CHEALB	0	CHENOPODIUM ALBUM	1	FAC-	Ad A-Forb	LAMB'S QUARTERS
CIRARV	0	CIRSIIUM ARVENSE	5	UPL	Ad P-Forb	FIELD THISTLE
CONSEP	1	Convolvulus sepium	0	FAC	Nt P-Forb	HEDGE BINDWEED
CORSTO	6	Cornus stolonifera	-3	FACW	Nt Shrub	RED-OSIER DOGWOOD
ECHCRU	0	Echinochloa crusgalli	-3	FACW	Nt A-Grass	BARNYARD GRASS
ECHLOB	5	Echinocystis lobata	-2	FACW-	Nt H-Vine	WILD CUCUMBER
ELYVIR	4	Elymus virginicus	-2	FACW-	Nt P-Grass	VIRGINIA WILD RYE
EQUARV	0	Equisetum arvense	0	FAC	Cryptogam	HORSETAIL
EUPPER	4	Eupatorium perfoliatum	-4	FACW+	Nt P-Forb	COMMON BONESET
GEUCAN	1	Geum canadense	0	FAC	Nt P-Forb	WOOD AVENS
GLETRI	2	Gleditsia triacanthos	0	FAC	Nt Tree	HONEY LOCUST
HELGRO	2	Helianthus grosseserratus	-2	FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
JUNTOR	4	Juncus torreyi	-3	FACW	Nt P-Forb	TORREY'S RUSH
LACCAN	2	Lactuca canadensis	2	FACU+	Nt B-Forb	WILD LETTUCE
LYSNUM	0	LYSIMACHIA NUMMULARIA	-4	FACW+	Ad P-Forb	MONEYWORT
MORALB	0	MORUS ALBA	0	FAC	Ad Tree	WHITE MULBERRY

NASOFF	0	NASTURTIUM OFFICINALE	-5	OBL	Ad P-Forb	WATER CRESS
PARQUI	2	Parthenocissus quinquefolia	1	FAC-	Nt W-Vine	VIRGINIA CREEPER
PASSAT	0	PASTINACA SATIVA	5	UPL	Ad B-Forb	WILD PARSNIP
PHAARU	0	PHALARIS ARUNDINACEA	-4	FACW+	Ad P-Grass	REED CANARY GRASS
PILPUM	5	Pilea pumila	-3	FACW	Nt A-Forb	CLEARWEED
POACOM	0	POA COMPRESSA	2	FACU+	Ad P-Grass	CANADA BLUE GRASS
POLPEN	0	Polygonum pensylvanicum	-4	FACW+	Nt A-Forb	PINKWEED
POPDEL	2	Populus deltoides	-1	FAC+	Nt Tree	EASTERN COTTONWOOD
RHAFRA	0	RHAMNUS FRANGULA	-1	FAC+	Ad Shrub	GLOSSY BUCKTHORN
RHURAD	2	Rhus radicans	-1	FAC+	Nt W-Vine	POISON IVY
RIBAME	7	Ribes americanum	-3	FACW	Nt Shrub	WILD BLACK CURRANT
RUBALL	3	Rubus allegheniensis	2	FACU+	Nt Shrub	COMMON BLACKBERRY
RUMCRI	0	RUMEX CRISPUS	-1	FAC+	Ad P-Forb	CURLY DOCK
SALFRA	0	SALIX FRAGILIS	-1	FAC+	Ad Tree	CRACK WILLOW
SALINT	1	Salix interior	-5	OBL	Nt Shrub	SANDBAR WILLOW
SAMCAN	1	Sambucus canadensis	-2	FACW-	Nt Shrub	ELDERBERRY
SCIATR	4	Scirpus atrovirens	-5	OBL	Nt P-Sedge	DARK GREEN RUSH
SCIVAC	5	Scirpus validus creber	-5	OBL	Nt P-Sedge	GREAT BULRUSH
SOLDUL	0	SOLANUM DULCAMARA	0	FAC	Ad W-Vine	BITTERSWEET NIGHTSHADE
SOLALT	1	Solidago altissima	3	FACU	Nt P-Forb	TALL GOLDENROD
STATET	8	Stachys tenuifolia	-3	[FACW]	Nt P-Forb	SMOOTH HEDGE NETTLE
THADAD	5	Thalictrum dasycarpum	-2	FACW-	Nt P-Forb	PURPLE MEADOW RUE
TYPLAT	1	Typha latifolia	-5	OBL	Nt P-Forb	BROAD-LEAVED CATTAIL
VITRIP	2	Vitis riparia	-2	FACW-	Nt W-Vine	RIVERBANK GRAPE

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Torrey Schultz						Date: 08/29/08 County: Will State: Illinois Community ID: PEM Station ID: BWC-W10 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Banks of Black Walnut Creek																																																											
Remarks: Banks of Black Walnut Creek																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>75</td></tr> <tr><td>2. <i>Scirpus validus</i></td><td>OBL</td><td>HERB</td><td>25</td></tr> <tr><td>3. <i>Salix nigra</i></td><td>OBL</td><td>SHRUB</td><td>50</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	75	2. <i>Scirpus validus</i>	OBL	HERB	25	3. <i>Salix nigra</i>	OBL	SHRUB	50	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Phalaris arundinacea</i>	FACW+	HERB	75																																																														
2. <i>Scirpus validus</i>	OBL	HERB	25																																																														
3. <i>Salix nigra</i>	OBL	SHRUB	50																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%						Remarks: Hydrophytic vegetation is dominant.																																																											
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: None Primary Indicators: Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 13 (in.) Depth to Saturated Soil: 11 (in.)					Remarks: Wetland hydrology is present.																																																												
Remarks: Wetland hydrology is present.																																																																	
SOILS																																																																	
Map Unit Name: Drummer silty clay loam						Series Drainage Class: Poorly drained																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	21	A1	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist, friable																																																											
Hydric Soil Indicators ² :																																																																	
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat					<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																												
Indicators for Problematic Hydric Soils ¹ :																																																																	
<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)					¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																												
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: S. Johnson #2: T. Schultz						Date: 08/29/08 County: Will State: Illinois Community ID: Upland Station ID: BWC-W10 Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Plot is on spoil bank of Black Walnut Creek																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>75</td></tr> <tr><td>2. <i>Lactuca seriola</i></td><td>UPL</td><td>HERB</td><td>15</td></tr> <tr><td>3. <i>Salix interior</i></td><td>OBL</td><td>SHRUB</td><td>20</td></tr> <tr><td>4. <i>Arctium minus</i></td><td>UPL</td><td>HERB</td><td>20</td></tr> <tr><td>5. <i>Morus alba</i></td><td>FAC</td><td>SHRUB</td><td>20</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	75	2. <i>Lactuca seriola</i>	UPL	HERB	15	3. <i>Salix interior</i>	OBL	SHRUB	20	4. <i>Arctium minus</i>	UPL	HERB	20	5. <i>Morus alba</i>	FAC	SHRUB	20	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Bromus inermis</i>	UPL	HERB	75																																																														
2. <i>Lactuca seriola</i>	UPL	HERB	15																																																														
3. <i>Salix interior</i>	OBL	SHRUB	20																																																														
4. <i>Arctium minus</i>	UPL	HERB	20																																																														
5. <i>Morus alba</i>	FAC	SHRUB	20																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present.																																																																	
SOILS																																																																	
Map Unit Name: Drummer silty clay loam				Series Drainage Class: Poorly Drained																																																													
Taxonomy (Subgroup): Typic Endoaquolls				Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	6	A1	10YR	3/1	NA	NA	NA	NA	silty clay loam; moist, friable																																																								
6	12	A2	10YR	3/1	NA	NA	NA	NA	fine, gravel/sand; silty clay loam																																																								
12	23	E	10yr	2/1	NA	NA	NA	NA	buried horizon; silty clay loam, moist friable																																																								
Hydric Soil Indicators ² :						Indicators for Problematic Hydric Soils ¹ :																																																											
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat			_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions			_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
Remarks: Hydric soils are not present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Dark matrix below and sandy/gravelly material above are evidence of disturbance from dredging.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Remarks: This plot is not located in wetland.																																																																	

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz	Date: 09/23/08 County: Will State: Illinois Community ID: Stream Station ID: BWC-W10 Plot ID: S3
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	

Remarks: **Tributary of Black Walnut Creek is confined to road ditch and redirected around residential lot.**

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover
1. <i>Typha latifolia</i>	OBL	HERB	20		7. <i>Poa pratensis</i>	FAC-	HERB	10
2. <i>Ambrosia trifida</i>	FAC+	HERB	10		8. <i>Populus deltoides</i>	FAC+	TREE	25
3. <i>Helianthus grosseserratus</i>	FACW-	HERB	10		9. <i>Salix sp.</i>	unknown	SHRUB	25
4. <i>Solidago altissima</i>	FACU	HERB	5		10. --	--	--	--
5. <i>Daucus carota</i>	UPL	HERB	5		11. --	--	--	--
6. <i>Cirsium arvense</i>	FACU	HERB	5		12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **80%**

Remarks: **Hydrophytic vegetation is dominant.**

Species with unknown indicator status not used in dominance calculation

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, Or Tide Gauge <input type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	

Remarks: **Wetland hydrology is present.**

SOILS

Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained									
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Profile Description:									
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
Depth	Depth								
0	9	Ap	10YR 3/1	NA	NA	NA	NA	silty clay, moist, friable	
9	20	A	10YR 5/2	10YR 5/6	many	distinct		Fe concretions sandy clay, moist, friable	

Hydric Soil Indicators2: <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils1: <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input checked="" type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present. 2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)
--	---

Remarks: **Hydric soils are present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Remarks: **This plot is located in wetland.**

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport						Date: 09/22/08																																																											
Applicant/Owner: Illinois Department of Transportation						County: Will																																																											
Investigator #1: Sarah Johnson #2: Tory Schultz						State: Illinois																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Community ID: Upland																																																											
Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Station ID: BWC-W10																																																											
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Plot ID: S4																																																											
Remarks: Investigated as a possible extension of Black Walnut Creek. Agricultural tile is present																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Ambrosia trifida</td><td>FAC+</td><td>HERB</td><td>40</td></tr> <tr><td>2. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>5</td></tr> <tr><td>3. <i>Elymus virginicus</i></td><td>FACW-</td><td>HERB</td><td>10</td></tr> <tr><td>4. Poa pratensis</td><td>FAC-</td><td>HERB</td><td>65</td></tr> <tr><td>5. Juglans nigra</td><td>FACU</td><td>TREE</td><td>30</td></tr> <tr><td>6. Salix exigua</td><td>OBL</td><td>SHRUB</td><td>10</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Ambrosia trifida	FAC+	HERB	40	2. <i>Bromus inermis</i>	UPL	HERB	5	3. <i>Elymus virginicus</i>	FACW-	HERB	10	4. Poa pratensis	FAC-	HERB	65	5. Juglans nigra	FACU	TREE	30	6. Salix exigua	OBL	SHRUB	10	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Solidago altissima</i></td><td>FACU</td><td>HERB</td><td>7</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. <i>Solidago altissima</i>	FACU	HERB	7	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Ambrosia trifida	FAC+	HERB	40																																																														
2. <i>Bromus inermis</i>	UPL	HERB	5																																																														
3. <i>Elymus virginicus</i>	FACW-	HERB	10																																																														
4. Poa pratensis	FAC-	HERB	65																																																														
5. Juglans nigra	FACU	TREE	30																																																														
6. Salix exigua	OBL	SHRUB	10																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Solidago altissima</i>	FACU	HERB	7																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 50%																																																																	
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: <u> NA </u> (in.) Depth to Free Water: <u> NA </u> (in.) Depth to Saturated Soil: <u> NA </u> (in.)																																																																	
Remarks: Wetland hydrology is not present.																																																																	
SOILS																																																																	
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained																																																																	
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description:																																																																	
Top	Bottom		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast																																																												
0	10	Ap	10YR 3/2	NA NA	NA NA	silty clay loam, moist, friable																																																											
10	18	A	10YR 3/1	10YR 4/6	common distinct	silty clay loam, moist, friable																																																											
18	24	B	10YR 4/1	10YR 5/6	many prominent	sandy clay, moist, firm																																																											
Hydric Soil Indicators ² :																																																																	
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat					<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																												
					Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																												
					2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																												
Remarks: Hydric soils are not present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in wetland.																																																																	

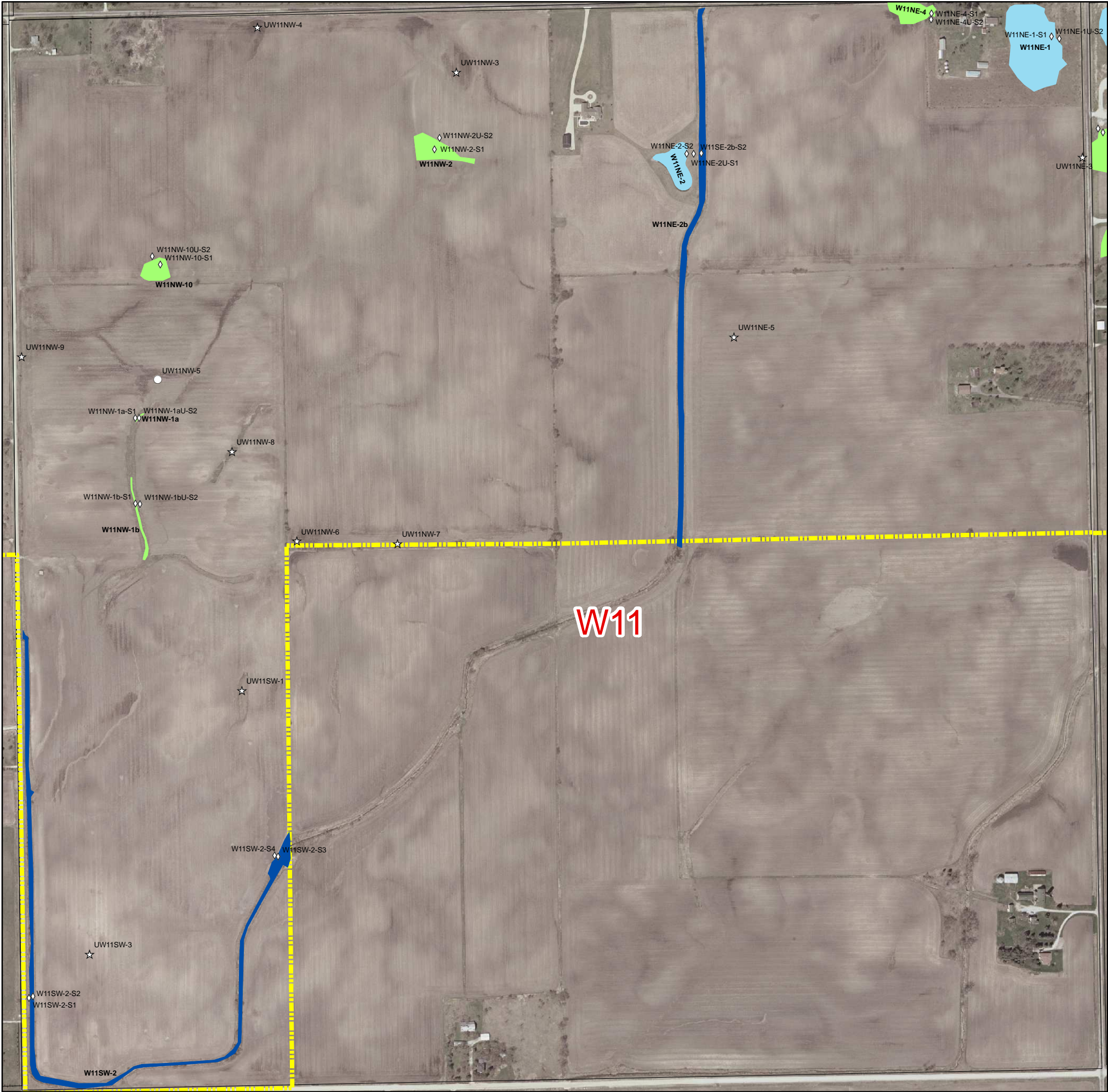
THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK

Appendix E

Section Will 11

Area ID	Total Depth	Hydric Soil	Native FQI	Comments
W11NE-1-S1	22	Yes	10.6	
W11NE-1U-S2	21	Yes		
W11NE-2-S2	NA	NA	12.4	no soilcore area inundated
W11NE-2U-S1	20	Yes		Photo W & E, U core for W11NE-2 & W11NE-2b
W11NE-2b-S2	NA	NA		no soilcore slope too steep or area inundated
UW11NE-3	NA	NA	NA	Photo W
W11NE-4-S1	21	Yes	4.9	
W11NE-4U-S2	21	No		
UW11NE-5	NA	NA	NA	Photo E
W11NW-1a-S1	4	Yes	3.0	
W11NW-1aU-S2	20	Yes		no soilcore area inundated
W11NW-1b-S1	21	Yes	3.5	
W11NW-1bU-S2	21	No		
W11NW-2-S1	30	Yes	0.0	Photo NW
W11NW-2U-S2	25	Yes		
UW11NW-3	NA	NA	NA	Photo NW
UW11NW-4	NA	NA	NA	Photo S
UW11NW-5	24	No	NA	
UW11NW-6	NA	NA	NA	Photo N
UW11NW-7	NA	NA	NA	Photo N
UW11NW-8	NA	NA	NA	Photo NE
UW11NW-9	NA	NA	NA	Photo NE
W11NW-10-S1	24	Yes	5.0	Photo S
W11NW-10U-S2	21	No		
UW11SW-1	NA	NA	NA	Photo S
W11SW-2-S2	NA	NA	11.4	No Soil Core
W11SW-2U-S1	21	No		
W11SW-2-S3	24	Yes		
W11SW-2U-S4	21	No		
UW11SW-3	NA	NA	NA	Photo SE

NA = not applicable



<p>Legend</p> <p>Wetland Type</p> <ul style="list-style-type: none">PEMPSSPFOPEM/PFOPSS/PEMPFO/PSSPOWStreamWetland Complex <p>2008 Study Boundary</p> <p>Sections</p> <p>○ Upland Soil Cores</p> <p>☆ Upland Photo Locations</p> <p>◇ Wetland Soil Cores</p> <p>N</p>	<p>EXHIBIT E-1L</p> <p>Will Township Section 11</p> <p>2008 - 2009 FIELD INVESTIGATION RESULTS</p> <p>South Suburban Airport</p>	<p> Illinois Department of Transportation Division of Aeronautics</p> <p>AECOM</p> <p>0 250 500 1,000 1,500 Feet</p>
--	--	---

Site: Inaugural South Suburban Airport
 Locale: W11NE1
 Date: August 29, 2009 1 hours
 By: AECOM; A.Amelise; R.West
 File: c:\FQA\studies\SSA\W11NE1.inv

FLORISTIC QUALITY DATA	Native	18	81.8%	Adventive	4	18.2%
18 NATIVE SPECIES	Tree	4	18.2%	Tree	0	0.0%
22 Total Species	Shrub	2	9.1%	Shrub	0	0.0%
2.5 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
2.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
10.6 NATIVE FQI	P-Forb	5	22.7%	P-Forb	2	9.1%
9.6 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.4 NATIVE MEAN W	A-Forb	2	9.1%	A-Forb	1	4.5%
-2.0 W/Adventives	P-Grass	1	4.5%	P-Grass	0	0.0%
AVG: Fac. Wetland (-)	A-Grass	2	9.1%	A-Grass	1	4.5%
	P-Sedge	2	9.1%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACESAI	0 Acer saccharinum	-3 FACW	Nt Tree	SILVER MAPLE
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ANDGER	5 Andropogon gerardii	1 FAC-	Nt P-Grass	BIG BLUESTEM GRASS
ASTLAT	4 Aster lateriflorus	-2 FACW-	Nt P-Forb	SIDE-FLOWERING ASTER
BIDCER	5 Bidens cernua	-5 OBL	Nt A-Forb	NODDING BUR MARIGOLD
CORRAC	1 Cornus racemosa	-2 FACW-	Nt Shrub	GRAY DOGWOOD
CYPESC	0 Cyperus esculentus	-1 [FAC+]	Nt P-Sedge	FIELD NUT SEDGE
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
FRAPES	1 Fraxinus pennsylvanica subintegerrima	0 FAC	Nt Tree	GREEN ASH
PANCAP	1 Panicum capillare	0 FAC	Nt A-Grass	OLD WITCH GRASS
PENSED	5 Penthorum sedoides	-5 OBL	Nt P-Forb	DITCH STONECROP
PLAMAJ	0 PLANTAGO MAJOR	-1 FAC+	Ad P-Forb	COMMON PLANTAIN
POLAMS	4 Polygonum amphibium stipulaceum	-5 OBL	Nt P-Forb	WATER KNOTWEED
POLHYS	7 Polygonum hydropiperoides	-5 OBL	Nt P-Forb	MILD WATER PEPPER
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SALNIG	4 Salix nigra	-5 OBL	Nt Tree	BLACK WILLOW
SCIATR	4 Scirpus atrovirens	-5 OBL	Nt P-Sedge	DARK GREEN RUSH
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
SOLALT	1 Solidago altissima	3 FACU	Nt P-Forb	TALL GOLDENROD

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																									
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 08/29/08 County: Will State: Illinois Community ID: Upland Station ID: W11NE-1 Plot ID: S1																																																			
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: mowed area around a pond																																																			
VEGETATION																																																									
Dominant Species (50/20 Rule)																																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>60</td></tr> <tr><td>2. <i>Plantago major</i></td><td>FAC+</td><td>HERB</td><td>5</td></tr> <tr><td>3. <i>Penthorum sedoides</i></td><td>OBL</td><td>HERB</td><td>15</td></tr> <tr><td>4. <i>Polygonum hydropiperoides</i></td><td>OBL</td><td>HERB</td><td>20</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	Species Name	Ind. Status	Stratum	% Cover	1. <i>Echinochloa crusgalli</i>	FACW	HERB	60	2. <i>Plantago major</i>	FAC+	HERB	5	3. <i>Penthorum sedoides</i>	OBL	HERB	15	4. <i>Polygonum hydropiperoides</i>	OBL	HERB	20	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																						
1. <i>Echinochloa crusgalli</i>	FACW	HERB	60																																																						
2. <i>Plantago major</i>	FAC+	HERB	5																																																						
3. <i>Penthorum sedoides</i>	OBL	HERB	15																																																						
4. <i>Polygonum hydropiperoides</i>	OBL	HERB	20																																																						
5. --	--	--	--																																																						
6. --	--	--	--																																																						
Species Name	Ind. Status	Stratum	% Cover																																																						
7. --	--	--	--																																																						
8. --	--	--	--																																																						
9. --	--	--	--																																																						
10. --	--	--	--																																																						
11. --	--	--	--																																																						
12. --	--	--	--																																																						
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrphytic vegetation is dominant																																																									
HYDROLOGY																																																									
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test Other (Explain in Remarks)																																																				
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																									
Remarks: Wetland hydrology is present NRCS slide review.																																																									
SOILS																																																									
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																									
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top Depth</th> <th style="width: 5%;">Bottom Depth</th> <th style="width: 5%;">Horizon</th> <th style="width: 5%;">Matrix Color (Munsell Moist):</th> <th style="width: 5%;">Mottle Colors (Munsell Moist):</th> <th style="width: 5%;">Mottle Abundance/Contrast</th> <th style="width: 40%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>17</td> <td>A</td> <td>N 2.5/0</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silty clay loam, moist, firm</td> </tr> <tr> <td>17</td> <td>22</td> <td>BT</td> <td>N 3.5/0</td> <td>10YR 5/6</td> <td>many prominent</td> <td>silty clay, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	17	A	N 2.5/0	NA NA	NA NA	mucky silty clay loam, moist, firm	17	22	BT	N 3.5/0	10YR 5/6	many prominent	silty clay, moist, firm																											
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																			
0	17	A	N 2.5/0	NA NA	NA NA	mucky silty clay loam, moist, firm																																																			
17	22	BT	N 3.5/0	10YR 5/6	many prominent	silty clay, moist, firm																																																			
Hydric Soil Indicators: (A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: (S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)																																																			
1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																									
Remarks: Hydric soils are present																																																									
WETLAND DETERMINATION																																																									
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																				
Remarks: The plot is located in a wetland.																																																									

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)									
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 08/29/08 County: Will State: Illinois Community ID: Upland Station ID: W11NE-1 Plot ID: S2			
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: mowed area around pond upland from s1; area drained by a tile			
VEGETATION									
Dominant Species (50/20 Rule)									
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>					
1. <i>Trifolium hybridum</i> FAC- HERB 30				7. -- -- -- --					
2. <i>Taraxacum officinale</i> FACU HERB 10				8. -- -- -- --					
3. <i>Setaria faberi</i> FACU+ HERB 20				9. -- -- -- --					
4. <i>Cornus stolonifera</i> FACW SHRUB 5				10. -- -- -- --					
5. <i>Solidago altissima</i> FACU HERB 35				11. -- -- -- --					
6. -- -- -- --				12. -- -- -- --					
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%									
Remarks: Hydrophytic vegetation is not dominant.									
HYDROLOGY									
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)				
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)									
Remarks: Wetland hydrology is not present. NRCS Slide Review									
SOILS									
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Profile Description:									
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
0	13	A	N	2.5/0	NA	NA	NA	NA	mucky silty clay loam, dry, friable
13	21	BT	2.5Y	3.5/1	10YR	5/6	many	prominent	silty clay, moist, firm
Hydric Soil Indicators:									
(A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat					(S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions				
Indicators for Problematic Hydric Soils1: (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)									
1Indicators of hydrophytic vegetation and wetland hydrology must be present.									
Remarks: Hydric soil present but area drained by tile									
WETLAND DETERMINATION									
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Remarks: The plot is not located in a wetland.									

Site: Inaugural South Suburban Airport
 Locale: W11NE2
 Date: September 22, 2008 30 minutes
 By: AECOM: A.Amelse; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W11NE2.inv
 Notes: Includes W11NE2 & NE2b

FLORISTIC QUALITY DATA	Native	22	78.6%	Adventive	6	21.4%
22 NATIVE SPECIES	Tree	3	10.7%	Tree	0	0.0%
28 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
2.6 NATIVE MEAN C	W-Vine	1	3.6%	W-Vine	0	0.0%
2.1 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
12.4 NATIVE FOI	P-Forb	9	32.1%	P-Forb	1	3.6%
11.0 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-1.5 NATIVE MEAN W	A-Forb	4	14.3%	A-Forb	1	3.6%
-1.2 W/Adventives	P-Grass	1	3.6%	P-Grass	2	7.1%
AVG: Faculative (+)	A-Grass	1	3.6%	A-Grass	2	7.1%
	P-Sedge	2	7.1%	P-Sedge	0	0.0%
	A-Sedge	1	3.6%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0 ABUTILON THEOPHRASTI	4 FACU-	Ad A-Forb	VELVETLEAF
ACARHO	0 Acalypha rhomboidea	3 FACU	Nt A-Forb	THREE-SEEDED MERCURY
AGRALA	0 AGROSTIS ALBA	-3 FACW	Ad P-Grass	REDTOP
ALISUB	4 Alisma subcordatum	-5 OBL	Nt P-Forb	COMMON WATER PLANTAIN
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
APOCAN	4 Apocynum cannabinum	0 FAC	Nt P-Forb	INDIAN HEMP
BIDCON	5 Bidens connata	-5 OBL	Nt A-Forb	PURPLE-STEMMED TICKSEED
CXCRIS	4 Carex cristatella	-4 FACW+	Nt P-Sedge	CRESTED OVAL SEDGE
CXVULP	2 Carex vulpinoidea	-5 OBL	Nt P-Sedge	BROWN FOX SEDGE
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
ELEOBT	3 Eleocharis obtusa	-5 OBL	Nt A-Sedge	BLUNT SPIKE RUSH
FRAPES	1 Fraxinus pennsylvanica subintegerrima	0 FAC	Nt Tree	GREEN ASH
GEUCAN	1 Geum canadense	0 FAC	Nt P-Forb	WOOD AVENS
JUNDUD	4 Juncus dudleyi	0 [FAC]	Nt P-Forb	DUDLEY'S RUSH
JUNTEN	0 Juncus tenuis	2 [FACU+]	Nt P-Forb	PATH RUSH
PANVIR	5 Panicum virgatum	-1 FAC+	Nt P-Grass	SWITCH GRASS
PENSED	5 Penthorum sedoides	-5 OBL	Nt P-Forb	DITCH STONECROP
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
PLAMAJ	0 PLANTAGO MAJOR	-1 FAC+	Ad P-Forb	COMMON PLANTAIN
PLAOCC	9 Platanus occidentalis	-3 FACW	Nt Tree	SYCAMORE
POLLAP	0 Polygonum lapathifolium	-4 FACW+	Nt A-Forb	HEARTSEASE
POPTRE	4 Populus tremuloides	0 FAC	Nt Tree	QUAKING ASPEN
PRUVLA	0 Prunella vulgaris lanceolata	3 [FACU]	Nt P-Forb	SELF HEAL
RHURAD	2 Rhus radicans	-1 FAC+	Nt W-Vine	POISON IVY
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL

SOLALT	1	<i>Solidago altissima</i>	3	FACU	Nt P-Forb	TALL GOLDENROD
SOLGRG	4	<i>Solidago graminifolia</i>	-2	FACW-	Nt P-Forb	COMMON GRASS-LEAVED
GOLDENROD						

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/22/08 County: Will State: Illinois Community ID: PEM Station ID: W11NE-2 Plot ID: S2																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																								
Remarks: Banks of tile outlet pond. Could not recover soil core because wetland area was 8" underwater due to recent rains																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Bidens connata</i></td> <td>OBL</td> <td>HERB</td> <td>30</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Echinochloa crusgalli</i></td> <td>FACW</td> <td>HERB</td> <td>5</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Plantago major</i></td> <td>FAC+</td> <td>HERB</td> <td>15</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Setaria glauca</i></td> <td>FAC</td> <td>HERB</td> <td>5</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Panicum virgatum</i></td> <td>FAC+</td> <td>HERB</td> <td>40</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Penthorum sedoides</i></td> <td>OBL</td> <td>HERB</td> <td>5</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Bidens connata</i>	OBL	HERB	30		7. --	--	--	--	2. <i>Echinochloa crusgalli</i>	FACW	HERB	5		8. --	--	--	--	3. <i>Plantago major</i>	FAC+	HERB	15		9. --	--	--	--	4. <i>Setaria glauca</i>	FAC	HERB	5		10. --	--	--	--	5. <i>Panicum virgatum</i>	FAC+	HERB	40		11. --	--	--	--	6. <i>Penthorum sedoides</i>	OBL	HERB	5		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Bidens connata</i>	OBL	HERB	30		7. --	--	--	--																																																																
2. <i>Echinochloa crusgalli</i>	FACW	HERB	5		8. --	--	--	--																																																																
3. <i>Plantago major</i>	FAC+	HERB	15		9. --	--	--	--																																																																
4. <i>Setaria glauca</i>	FAC	HERB	5		10. --	--	--	--																																																																
5. <i>Panicum virgatum</i>	FAC+	HERB	40		11. --	--	--	--																																																																
6. <i>Penthorum sedoides</i>	OBL	HERB	5		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: 8 (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																								
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																								
SOILS																																																																								
Map Unit Name: Water Series Drainage Class: NA Taxonomy (Subgroup): NA Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																																								
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																								
Top	Bottom	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
Hydric Soil Indicators: <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																		
Remarks: Could not recover soil core because wetland area was 8" underwater due to recent rains. Hydric soils are assumed to exist since wetland hydrology is present and hydrophytic vegetation is dominant.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Remarks: This plot is located in a wetland. Could not recover soil core because wetland area was 8" underwater due to recent rains. *Hydric soils are assumed to exist since wetland hydrology is present and hydrophytic vegetation is dominant.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)									
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/22/08 County: Will State: Illinois Community ID: Upland Station ID: W11NE-2 Plot ID: SC-1			
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: High area between S. Branch of Rock Creek and tile outlet pond			
VEGETATION									
Dominant Species (50/20 Rule)									
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>					
1. <i>Poa compressa</i> FACU+ HERB 75				7. -- -- -- --					
2. <i>Bromus inermis</i> UPL HERB 15				8. -- -- -- --					
3. <i>Trifolium hybridum</i> FAC- HERB 10				9. -- -- -- --					
4. -- -- -- --				10. -- -- -- --					
5. -- -- -- --				11. -- -- -- --					
6. -- -- -- --				12. -- -- -- --					
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%				Remarks: Hydrophytic vegetation is not dominant.					
HYDROLOGY									
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)				
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)									
Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.									
SOILS									
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Profile Description:									
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
0	4	A	10YR 3/2	10YR 6/8	faint few	silt loam, moist, friable			
4	8	Bt	10YR 4/1.5	10YR 4/4	common prominent	gravely clay loam, moist, friable			
8	15	C	10YR 3/1	10YR 3/3	common distinct	clay loam, moist, friable			
15	20	Ab	10YR 2/1	NA NA	NA NA	silt loam, moist, friable			
Hydric Soil Indicators: <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input checked="" type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Hydric soils are present. This plot was located in an area between the creek and a tile outlet pond. The upper 15 inches of the profile is likely sidecast from the excavation of either the pond or the ditch, so hydric features in this soil are likely a result of the hydrologic conditions of the source area.									
WETLAND DETERMINATION									
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Remarks: This plot is not located in a wetland. This plot was located in a high area between a drainage ditch and tile outlet pond. Hydrology has been altered in this area by the installation of drain tiles (evidenced by historic aerial photos) and the excavation of a tile outlet pond and agricultural drainage ditch. The hydric soil indicators found here are likely relict and indicative of historic conditions since hydrophytic vegetation is not dominant and no wetland hydrology is present									

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)									
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/22/08 County: Will State: Illinois Community ID: PEM Station ID: W11NE-2b Plot ID: S2			
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Banks of S. Branch of Rock Creek			
VEGETATION									
Dominant Species (50/20 Rule)									
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>					
1. <i>Bidens connata</i> OBL HERB 20				7. -- -- -- --					
2. <i>Echinochloa crusgalli</i> FACW HERB 20				8. -- -- -- --					
3. <i>Plantago major</i> FAC+ HERB 5				9. -- -- -- --					
4. <i>Phalaris arundinacea</i> FACW+ HERB 50				10. -- -- -- --					
5. -- -- -- --				11. -- -- -- --					
6. -- -- -- --				12. -- -- -- --					
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%									
Remarks: Hydrophytic vegetation is dominant.									
HYDROLOGY									
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other No Recorded Data Available					Wetland Hydrology Indicators: None Primary Indicators: <input checked="" type="checkbox"/> Inundated Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test Other (Explain in Remarks)				
Field Observations: Depth of Surface Water: 10 (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)									
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.									
SOILS									
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained									
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>									
Profile Description:									
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
Hydric Soil Indicators:									
(A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat			(S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions			Indicators for Problematic Hydric Soils1: (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present.			
Remarks: Could not recover soil core because wetland area was 10" underwater due to recent rains. Hydric soils are assumed to exist since wetland hydrology is present and hydrophytic vegetation is dominant.									
WETLAND DETERMINATION									
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Remarks: This plot is located in a wetland. Could not recover soil core because wetland area was 10" underwater due to recent rains. *Hydric soils are assumed to exist since wetland hydrology is present and hydrophytic vegetation is dominant.									

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West	Date: 08/28/08 County: Will State: Illinois Community ID: Upland Station ID: W11NE-3 Plot ID: NA
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	

Remarks: **Soybean field; crop shows no sign of stress**
Photo W

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover
1. Glycine max	UPL	HERB	100		7. --	--	--	--
2. --	--	--	--		8. --	--	--	--
3. --	--	--	--		9. --	--	--	--
4. --	--	--	--		10. --	--	--	--
5. --	--	--	--		11. --	--	--	--
6. --	--	--	--		12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **0%**

Remarks: **Hydrophytic vegetation is not dominant.**

HYDROLOGY

X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other _____ No Recorded Data Available	Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	

Remarks: **Wetland hydrology not present.**
 Aerial photos used for NRCS slide review.

SOILS

Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes	Series Drainage Class: poorly drained
Taxonomy (Subgroup): Typic Endoaquolls	Field Observations Confirm Mapped Type? No soil core collected Yes _____ No _____

Top	Bottom	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.

Hydric Soil Indicators: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)
--	--

1Indicators of hydrophytic vegetation and wetland hydrology must be present.

Remarks: **No soil core collected--no wetland vegetation or wetland hydrology present**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Remarks: ***No soil core collected. This plot is not located in a wetland.**

Site: Inaugural South Suburban Airport
 Locale: W11NE-4
 Date: August 29, 2008 30 minutes
 By: AECOM: A. Amelse; R. West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W11NE4.inv

FLORISTIC QUALITY DATA	Native	7	43.8%	Adventive	9	56.3%
7 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
16 Total Species	Shrub	1	6.3%	Shrub	0	0.0%
1.9 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.8 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
4.9 NATIVE FQI	P-Forb	1	6.3%	P-Forb	2	12.5%
3.3 W/Adventives	B-Forb	0	0.0%	B-Forb	1	6.3%
-2.6 NATIVE MEAN W	A-Forb	2	12.5%	A-Forb	4	25.0%
-0.8 W/Adventives	P-Grass	1	6.3%	P-Grass	1	6.3%
AVG: Fac. Wetland	A-Grass	2	12.5%	A-Grass	1	6.3%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
BARVUL	0 BARBAREA VULGARIS	0 FAC	Ad B-Forb	YELLOW ROCKET
CORRAC	1 Cornus racemosa	-2 FACW-	Nt Shrub	GRAY DOGWOOD
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
HORJUB	0 HORDEUM JUBATUM	-1 FAC+	Ad P-Grass	SQUIRREL-TAIL GRASS
IPOHED	0 IPOMOEA HEDERACEA	0 FAC	Ad A-Forb	IVY-LEAVED MORNING GLORY
PANDII	0 Panicum dichotomiflorum	-2 FACW-	Nt A-Grass	KNEE GRASS
PANVIR	5 Panicum virgatum	-1 FAC+	Nt P-Grass	SWITCH GRASS
PLAMAJ	0 PLANTAGO MAJOR	-1 FAC+	Ad P-Forb	COMMON PLANTAIN
POLARE	0 POLYGONUM ARENASTRUM	5 UPL	Ad A-Forb	SIDEWALK KNOTWEED
POLHYS	7 Polygonum hydropiperoides	-5 OBL	Nt P-Forb	MILD WATER PEPPER
POLLAP	0 Polygonum lapathifolium	-4 FACW+	Nt A-Forb	HEARTSEASE
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
XANSTR	0 XANTHIUM STRUMARIUM	0 FAC	Ad A-Forb	COCKLEBUR

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																							
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 08/29/08 County: Will State: Illinois Community ID: PEM Station ID: W11NE-4 Plot ID: S1																																																																	
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Depression receiving several sources of drainage.																																																																	
VEGETATION																																																																							
Dominant Species (50/20 Rule)																																																																							
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>																																																																			
1. <i>Rumex crispus</i> FAC+ HERB 15				7. -- -- -- --																																																																			
2. <i>Echinochloa crusgalli</i> FACW HERB 30				8. -- -- -- --																																																																			
3. <i>Polygonum lapathifolium</i> FACW+ HERB 20				9. -- -- -- --																																																																			
4. <i>Panicum dichotomiflorum</i> FACW- HERB 30				10. -- -- -- --																																																																			
5. <i>Barbarea vulgaris</i> FAC HERB 5				11. -- -- -- --																																																																			
6. -- -- -- --				12. -- -- -- --																																																																			
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):				100%																																																																			
Remarks: Hydrophytic vegetation is dominant.																																																																							
HYDROLOGY																																																																							
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input checked="" type="checkbox"/> Other No Recorded Data Available					Wetland Hydrology Indicators: None Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks <input checked="" type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)																																																																		
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)																																																																							
Remarks: Wetland hydrology is present. NRCS Slide Review and previous investigations																																																																							
SOILS																																																																							
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																							
Profile Description: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">18</td> <td style="text-align: center;">A</td> <td style="text-align: center;">N</td> <td style="text-align: center;">2.5/0</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> <td>mucky silty clay loam, moist, friable</td> </tr> <tr> <td style="text-align: center;">18</td> <td style="text-align: center;">21</td> <td style="text-align: center;">BT</td> <td style="text-align: center;">10YR</td> <td style="text-align: center;">3/1</td> <td style="text-align: center;">10YR</td> <td style="text-align: center;">3/3</td> <td style="text-align: center;">common</td> <td style="text-align: center;">faint</td> <td style="text-align: center;">faint</td> <td>silty clay, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	18	A	N	2.5/0	NA	NA	NA	NA	NA	mucky silty clay loam, moist, friable	18	21	BT	10YR	3/1	10YR	3/3	common	faint	faint	silty clay, moist, firm																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																	
0	18	A	N	2.5/0	NA	NA	NA	NA	NA	mucky silty clay loam, moist, friable																																																													
18	21	BT	10YR	3/1	10YR	3/3	common	faint	faint	silty clay, moist, firm																																																													
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 60%; vertical-align: top;"> Hydric Soil Indicators: (A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 40%; vertical-align: top;"> Indicators for Problematic Hydric Soils1: (S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks) </td> </tr> </table>										Hydric Soil Indicators: (A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils1: (S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)																																																												
Hydric Soil Indicators: (A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils1: (S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)																																																																						
1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																							
Remarks: Hydric soils are present.																																																																							
WETLAND DETERMINATION																																																																							
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																		
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																		
Remarks: This plot is located in a wetland.																																																																							

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 08/29/08 County: Will State: Illinois Community ID: Upland Station ID: W11NE-4 Plot ID: S2																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																								
Remarks: --																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Taraxacum officinale</i></td> <td>FACU</td> <td>HERB</td> <td>20</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Poa compressa</i></td> <td>FACU+</td> <td>HERB</td> <td>70</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Glechoma hederacea</i></td> <td>FACU</td> <td>HERB</td> <td>5</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Trifolium hybridum</i></td> <td>FAC-</td> <td>HERB</td> <td>5</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Taraxacum officinale</i>	FACU	HERB	20		7. --	--	--	--	2. <i>Poa compressa</i>	FACU+	HERB	70		8. --	--	--	--	3. <i>Glechoma hederacea</i>	FACU	HERB	5		9. --	--	--	--	4. <i>Trifolium hybridum</i>	FAC-	HERB	5		10. --	--	--	--	5. --	--	--	--		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Taraxacum officinale</i>	FACU	HERB	20		7. --	--	--	--																																																																
2. <i>Poa compressa</i>	FACU+	HERB	70		8. --	--	--	--																																																																
3. <i>Glechoma hederacea</i>	FACU	HERB	5		9. --	--	--	--																																																																
4. <i>Trifolium hybridum</i>	FAC-	HERB	5		10. --	--	--	--																																																																
5. --	--	--	--		11. --	--	--	--																																																																
6. --	--	--	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																								
Remarks: Wetland hydrology not present. NRCS Slide review																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam						Series Drainage Class: Poorly drained																																																																		
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																		
Profile Description:																																																																								
Top	Bottom		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast																																																																			
0	5	A	10YR 2/1	NA NA	NA NA	silty loam, dry, friable concretions silty clay loam, moist, friable silty clay, moist, friable																																																																		
5	14	Bt	10YR 2/1	NA NA	NA NA																																																																			
14	21	Bt2	N 4/0	10YR 5/6	many prominent																																																																			
Hydric Soil Indicators:																																																																								
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat					<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																			
					Indicators for Problematic Hydric Soils1: <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																			
					1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																			
Remarks: Hydric soil is not present.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Remarks: This plot is not located in a wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/22/08 County: Will State: Illinois Community ID: Upland Station ID: W11NE-5 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Soybean field, no sign of stress Photo E																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	100																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																																											
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other _____ No Recorded Data Available				Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)				Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.																																																													
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes						Series Drainage Class: poorly drained																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? No soil core collected _____ Yes _____ No																																																											
Profile Description:																																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators:						Indicators for Problematic Hydric Soils1:																																																											
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																											
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)						1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																											
Remarks: No soil core collected																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No						Hydric Soils Present? _____ Yes _____ X No																																																											
Wetland Hydrology Present? _____ Yes _____ X No						Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																											
Remarks: This plot is not located in a wetland.																																																																	

Site: Inaugural South Suburban Airport
 Locale: W11NW1a
 Date: September 22, 2008 30 minutes
 By: AECOM: Ann Amelse; R. West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W11NW1a.inv

FLORISTIC QUALITY DATA	Native	4	57.1%	Adventive	3	42.9%
4 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
7 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
1.5 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.9 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
3.0 NATIVE FQI	P-Forb	1	14.3%	P-Forb	0	0.0%
2.3 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-1.2 NATIVE MEAN W	A-Forb	1	14.3%	A-Forb	0	0.0%
0.3 W/Adventives	P-Grass	1	14.3%	P-Grass	1	14.3%
AVG: Faculative (+)	A-Grass	1	14.3%	A-Grass	2	28.6%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
BROINE	0 BROMUS INERMIS	5 UPL	Ad P-Grass	HUNGARIAN BROME
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
PANVIR	5 Panicum virgatum	-1 FAC+	Nt P-Grass	SWITCH GRASS
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
SOLCAN	1 Solidago canadensis	3 FACU	Nt P-Forb	CANADA GOLDENROD

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																					
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/22/08 County: Will State: Illinois Community ID: PEM Station ID: W11NW-1a Plot ID: S1																																																															
Do Normal Circumstances Exist On The Site? Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes No Is The Area A Potential Problem Area? Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																					
Remarks: Narrow area that was recently excavated down about 8" below the ground surface. Standing water from recent rains made recovery from the soil core difficult. Not much vegetation due to recent disturbance and standing water.																																																																					
VEGETATION																																																																					
Dominant Species (50/20 Rule)																																																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Panicum virgatum</i></td><td>FAC+</td><td>HERB</td><td>5</td></tr> <tr><td>2. <i>Setaria glauca</i></td><td>FAC</td><td>HERB</td><td>5</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Panicum virgatum</i>	FAC+	HERB	5	2. <i>Setaria glauca</i>	FAC	HERB	5	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--				
Species Name	Ind. Status	Stratum	% Cover																																																																		
1. <i>Panicum virgatum</i>	FAC+	HERB	5																																																																		
2. <i>Setaria glauca</i>	FAC	HERB	5																																																																		
3. --	--	--	--																																																																		
4. --	--	--	--																																																																		
5. --	--	--	--																																																																		
6. --	--	--	--																																																																		
Species Name	Ind. Status	Stratum	% Cover																																																																		
7. --	--	--	--																																																																		
8. --	--	--	--																																																																		
9. --	--	--	--																																																																		
10. --	--	--	--																																																																		
11. --	--	--	--																																																																		
12. --	--	--	--																																																																		
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						100%																																																															
Remarks: Hydrophytic vegetation dominant.																																																																					
HYDROLOGY																																																																					
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: <input checked="" type="checkbox"/> Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																																
Field Observations: Depth of Surface Water: <u>4</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)																																																																					
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																					
SOILS																																																																					
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes No																																																																					
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th colspan="2">Matrix Color (Munsell Moist):</th> <th colspan="2">Mottle Colors (Munsell Moist):</th> <th colspan="2">Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>4</td> <td>B</td> <td>10YR</td> <td>4.5/3</td> <td>10YR</td> <td>6/1</td> <td>many</td> <td>prominent</td> <td>gravelly silty clay loam, moist/wet, firm</td> </tr> <tr> <td colspan="10">unable to recover soil below 4"</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast		Texture, moisture, consistency, organic material, and other soil characteristics.	0	4	B	10YR	4.5/3	10YR	6/1	many	prominent	gravelly silty clay loam, moist/wet, firm	unable to recover soil below 4"																																							
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast		Texture, moisture, consistency, organic material, and other soil characteristics.																																																												
0	4	B	10YR	4.5/3	10YR	6/1	many	prominent	gravelly silty clay loam, moist/wet, firm																																																												
unable to recover soil below 4"																																																																					
<table border="0" style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> Hydric Soil Indicators: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width:50%; vertical-align: top;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface <input checked="" type="checkbox"/> (F8) Redox Depressions </td> </tr> </table>										Hydric Soil Indicators: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface <input checked="" type="checkbox"/> (F8) Redox Depressions																																																										
Hydric Soil Indicators: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface <input checked="" type="checkbox"/> (F8) Redox Depressions																																																																				
Indicators for Problematic Hydric Soils1: _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) 1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																					
Remarks: Hydric soils are present.																																																																					
WETLAND DETERMINATION																																																																					
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes No																																																																
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes No																																																																
Remarks: This plot is located in a wetland.																																																																					

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport						Date: 09/22/08																																																											
Applicant/Owner: Illinois Department of Transportation						County: Will																																																											
Investigator #1: Ann Amelse #2: Robyn West						State: Illinois																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Community ID: Upland																																																											
Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Station ID: W11NW-1a																																																											
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Plot ID: S2																																																											
Remarks: Grassed waterway; likely drain tiled																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Species Name</th> <th>Ind. Status</th> <th>Stratum</th> <th>% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>95</td></tr> <tr><td>2. <i>Solidago canadensis</i></td><td>FACU</td><td>HERB</td><td>5</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	95	2. <i>Solidago canadensis</i>	FACU	HERB	5	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Species Name</th> <th>Ind. Status</th> <th>Stratum</th> <th>% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Bromus inermis</i>	UPL	HERB	95																																																														
2. <i>Solidago canadensis</i>	FACU	HERB	5																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes						Series Drainage Class: poorly drained																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	5	Ap	10YR 2/2	NA NA	NA NA	silty clay loam, moist, friable																																																											
5	6	Bt1	2.5Y 3/1	10YR 4/4	common distinct	gravelly clay loam, moist, friable																																																											
6	10	Bt2	2.5Y 3/2	10YR 4/6	common prominent	clay loam, moist, firm																																																											
10	20	Btg	2.5Y 5/1.5	10YR 4/6	common many prominent	silty clay, moist, firm																																																											
Hydric Soil Indicators:																																																																	
(A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat						(S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions																																																											
						(A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)																																																											
1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																	
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																											
Remarks: This plot is not located in a wetland.																																																																	
Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since hydrophytic vegetation is not dominant and wetland hydrology is not evident.																																																																	

Site: Inaugural South Suburban Airport
 Locale: W11NW1b
 Date: September 22, 2008 30 minutes
 By: AECOM: Ann Amelse; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W11NW1b.inv

FLORISTIC QUALITY DATA	Native	4	66.7%	Adventive	2	33.3%
4 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
6 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
1.8 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
1.2 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
3.5 NATIVE FQI	P-Forb	2	33.3%	P-Forb	0	0.0%
2.9 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.0 NATIVE MEAN W	A-Forb	1	16.7%	A-Forb	1	16.7%
-1.3 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Fac. Wetland (-)	A-Grass	1	16.7%	A-Grass	1	16.7%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOGNOMY	COMMON NAME
AMBARE	0	Ambrosia artemisiifolia elatior	3	FACU	Nt A-Forb	COMMON RAGWEED
ASTSIS	3	Aster simplex	-5	OBL	Nt P-Forb	PANICLED ASTER
ECHCRU	0	Echinochloa crusgalli	-3	FACW	Nt A-Grass	BARNYARD GRASS
SETGLA	0	SETARIA GLAUCA	0	FAC	Ad A-Grass	YELLOW FOXTAIL
SOLGIG	4	Solidago gigantea	-3	FACW	Nt P-Forb	LATE GOLDENROD
XANSTR	0	XANTHIUM STRUMARIUM	0	FAC	Ad A-Forb	COCKLEBUR

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/22/08 County: Will State: Illinois Community ID: PEM Station ID: W11NW-1b Plot ID: SC-1																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																								
Remarks: grassed waterway - likely drain tiled																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Echinochloa crusgalli</i></td> <td>FACW</td> <td>HERB</td> <td>40</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Setaria glauca</i></td> <td>FAC</td> <td>HERB</td> <td>20</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Aster lateriflorus</i></td> <td>FACW-</td> <td>HERB</td> <td>5</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Solidago gigantea</i></td> <td>FACW</td> <td>HERB</td> <td>5</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Ambrosia artemisiifolia</i></td> <td>FACU</td> <td>HERB</td> <td>10</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Xanthium strumarium</i></td> <td>FAC</td> <td>HERB</td> <td>5</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Echinochloa crusgalli</i>	FACW	HERB	40		7. --	--	--	--	2. <i>Setaria glauca</i>	FAC	HERB	20		8. --	--	--	--	3. <i>Aster lateriflorus</i>	FACW-	HERB	5		9. --	--	--	--	4. <i>Solidago gigantea</i>	FACW	HERB	5		10. --	--	--	--	5. <i>Ambrosia artemisiifolia</i>	FACU	HERB	10		11. --	--	--	--	6. <i>Xanthium strumarium</i>	FAC	HERB	5		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Echinochloa crusgalli</i>	FACW	HERB	40		7. --	--	--	--																																																																
2. <i>Setaria glauca</i>	FAC	HERB	20		8. --	--	--	--																																																																
3. <i>Aster lateriflorus</i>	FACW-	HERB	5		9. --	--	--	--																																																																
4. <i>Solidago gigantea</i>	FACW	HERB	5		10. --	--	--	--																																																																
5. <i>Ambrosia artemisiifolia</i>	FACU	HERB	10		11. --	--	--	--																																																																
6. <i>Xanthium strumarium</i>	FAC	HERB	5		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test _____ Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																								
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top Depth</th> <th style="width: 5%;">Bottom Depth</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>3</td> <td>A</td> <td>10YR 2/1</td> <td>7.5YR 3/4</td> <td>common distinct</td> <td>clay loam, moist, firm</td> </tr> <tr> <td>3</td> <td>12</td> <td>Bt1</td> <td>2.5Y 3/2</td> <td>7.5YR 4/4</td> <td>common distinct</td> <td>silty clay, moist, firm</td> </tr> <tr> <td>12</td> <td>21</td> <td>Bt2</td> <td>2.5Y 4.5/1</td> <td>10YR 4/6</td> <td>many prominent</td> <td>gravely clay, moist, firm</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	3	A	10YR 2/1	7.5YR 3/4	common distinct	clay loam, moist, firm	3	12	Bt1	2.5Y 3/2	7.5YR 4/4	common distinct	silty clay, moist, firm	12	21	Bt2	2.5Y 4.5/1	10YR 4/6	many prominent	gravely clay, moist, firm																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	3	A	10YR 2/1	7.5YR 3/4	common distinct	clay loam, moist, firm																																																																		
3	12	Bt1	2.5Y 3/2	7.5YR 4/4	common distinct	silty clay, moist, firm																																																																		
12	21	Bt2	2.5Y 4.5/1	10YR 4/6	many prominent	gravely clay, moist, firm																																																																		
Hydric Soil Indicators: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																		
1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																								
Remarks: Hydric soils are present.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Remarks: This plot is located in a wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport						Date: 09/22/08																																																																		
Applicant/Owner: Illinois Department of Transportation						County: Will																																																																		
Investigator #1: Ann Amelse #2: Robyn West						State: Illinois																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Community ID: Upland																																																																		
Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Station ID: W11NW-1b																																																																		
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Plot ID: SC-2																																																																		
Remarks: Grassed waterway - likely drain tiled																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Species Name</th> <th>Ind. Status</th> <th>Stratum</th> <th>% Cover</th> <th></th> <th>Species Name</th> <th>Ind. Status</th> <th>Stratum</th> <th>% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Cirsium arvense</i></td> <td>FACU</td> <td>HERB</td> <td>5</td> <td></td> <td>7. <i>Elaeagnus umbellata</i></td> <td>UPL</td> <td>SHRUB</td> <td>5</td> </tr> <tr> <td>2. <i>Taraxacum officinale</i></td> <td>FACU</td> <td>HERB</td> <td>5</td> <td></td> <td>8. <i>Glycine max</i></td> <td>UPL</td> <td>HERB</td> <td>5</td> </tr> <tr> <td>3. <i>Solidago altissima</i></td> <td>FACU</td> <td>HERB</td> <td>20</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Trifolium pratense</i></td> <td>FACU+</td> <td>HERB</td> <td>5</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>45</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Daucus carota</i></td> <td>UPL</td> <td>HERB</td> <td>10</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Cirsium arvense</i>	FACU	HERB	5		7. <i>Elaeagnus umbellata</i>	UPL	SHRUB	5	2. <i>Taraxacum officinale</i>	FACU	HERB	5		8. <i>Glycine max</i>	UPL	HERB	5	3. <i>Solidago altissima</i>	FACU	HERB	20		9. --	--	--	--	4. <i>Trifolium pratense</i>	FACU+	HERB	5		10. --	--	--	--	5. <i>Bromus inermis</i>	UPL	HERB	45		11. --	--	--	--	6. <i>Daucus carota</i>	UPL	HERB	10		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Cirsium arvense</i>	FACU	HERB	5		7. <i>Elaeagnus umbellata</i>	UPL	SHRUB	5																																																																
2. <i>Taraxacum officinale</i>	FACU	HERB	5		8. <i>Glycine max</i>	UPL	HERB	5																																																																
3. <i>Solidago altissima</i>	FACU	HERB	20		9. --	--	--	--																																																																
4. <i>Trifolium pratense</i>	FACU+	HERB	5		10. --	--	--	--																																																																
5. <i>Bromus inermis</i>	UPL	HERB	45		11. --	--	--	--																																																																
6. <i>Daucus carota</i>	UPL	HERB	10		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																								
Remarks: Hydrophytic vegetation is not dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																								
Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained																																																																								
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description:																																																																								
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	10	Ap	10YR 3/2	NA NA	NA NA	sandstone fragments silt loam, moist, friable																																																																		
10	15	Bt1	10YR 3/2	10YR 4/4	common distinct	silty clay loam, moist, friable																																																																		
15	21	Bt2	2.5Y 5/2.5	10YR 4/6	many prominent	silty clay, moist, firm																																																																		
Hydric Soil Indicators:						Indicators for Problematic Hydric Soils1:																																																																		
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat						<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																		
						<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																		
						1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																		
Remarks: Hydric soils not present.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Remarks: This plot is not located in a wetland.																																																																								

Site: Inaugural South Suburban Airport
 Locale: W11NW2
 Date: September 10, 2008 15 minutes
 By: AECOM: A. Amelse; M. Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W11NW2.inv

FLORISTIC QUALITY DATA	Native	0	0.0%	Adventive	6	100.0%
0 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
6 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
0.0 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
0.0 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
0.0 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
0.0 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	5	83.3%
2.7 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Faculative	A-Grass	0	0.0%	A-Grass	1	16.7%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0 ABUTILON THEOPHRASTI	4 FACU-	Ad A-Forb	VELVETLEAF
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN
HIBTRI	0 HIBISCUS TRIONUM	5 UPL	Ad A-Forb	FLOWER-OF-AN-HOUR
IPOHED	0 IPOMOEA HEDERACEA	0 FAC	Ad A-Forb	IVY-LEAVED MORNING GLORY
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
XANSTR	0 XANTHIUM STRUMARIUM	0 FAC	Ad A-Forb	COCKLEBUR

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																											
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/10/08 County: Will State: Illinois Community ID: FW Station ID: W11NW-2 Plot ID: S1																																																					
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybean - crop shows signs of stress																																																					
VEGETATION																																																											
Dominant Species (50/20 Rule)																																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Species Name</th> <th style="text-align: left; padding: 2px;">Ind. Status</th> <th style="text-align: left; padding: 2px;">Stratum</th> <th style="text-align: left; padding: 2px;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>50</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	50	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Species Name</th> <th style="text-align: left; padding: 2px;">Ind. Status</th> <th style="text-align: left; padding: 2px;">Stratum</th> <th style="text-align: left; padding: 2px;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																								
1. Glycine max	UPL	HERB	50																																																								
2. --	--	--	--																																																								
3. --	--	--	--																																																								
4. --	--	--	--																																																								
5. --	--	--	--																																																								
6. --	--	--	--																																																								
Species Name	Ind. Status	Stratum	% Cover																																																								
7. --	--	--	--																																																								
8. --	--	--	--																																																								
9. --	--	--	--																																																								
10. --	--	--	--																																																								
11. --	--	--	--																																																								
12. --	--	--	--																																																								
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation not dominant. cropped field. about 50% bare ground and corn stalks. bean plants stressed																																																											
HYDROLOGY																																																											
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge _____ X Aerial Photos _____ Other _____ No Recorded Data Available				Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks X Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves X Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																							
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)				Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																							
SOILS																																																											
Map Unit Name: Peotone silty clay loam, 0 to 2 percent slopes Series Drainage Class: Very poorly drained Taxonomy (Subgroup): Cumulic Vertic Endoaquoll Field Observations Confirm Mapped Type? _____ X Yes _____ No																																																											
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">7</td> <td style="text-align: center;">Ap</td> <td style="text-align: center;">10YR 2/1</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">silty clay loam, moist, friable</td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">12</td> <td style="text-align: center;">A</td> <td style="text-align: center;">10YR 2/1</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">silty clay loam, moist, friable</td> </tr> <tr> <td style="text-align: center;">12</td> <td style="text-align: center;">21</td> <td style="text-align: center;">Bg1</td> <td style="text-align: center;">N 2.5/0</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">silty clay, moist, firm</td> </tr> <tr> <td style="text-align: center;">21</td> <td style="text-align: center;">26</td> <td style="text-align: center;">Bg2</td> <td style="text-align: center;">N 2.5/0</td> <td style="text-align: center;">2.5Y 4/3</td> <td style="text-align: center;">common distinct</td> <td style="text-align: center;">silty clay, moist, firm</td> </tr> <tr> <td style="text-align: center;">26</td> <td style="text-align: center;">30</td> <td style="text-align: center;">Bg3</td> <td style="text-align: center;">5Y 4.5/1</td> <td style="text-align: center;">2.5Y 4/4</td> <td style="text-align: center;">common distinct</td> <td style="text-align: center;">silty clay, moist, firm</td> </tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	7	Ap	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable	7	12	A	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable	12	21	Bg1	N 2.5/0	NA NA	NA NA	silty clay, moist, firm	21	26	Bg2	N 2.5/0	2.5Y 4/3	common distinct	silty clay, moist, firm	26	30	Bg3	5Y 4.5/1	2.5Y 4/4	common distinct	silty clay, moist, firm								
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																					
0	7	Ap	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable																																																					
7	12	A	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable																																																					
12	21	Bg1	N 2.5/0	NA NA	NA NA	silty clay, moist, firm																																																					
21	26	Bg2	N 2.5/0	2.5Y 4/3	common distinct	silty clay, moist, firm																																																					
26	30	Bg3	5Y 4.5/1	2.5Y 4/4	common distinct	silty clay, moist, firm																																																					
Hydric Soil Indicators: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface X (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																					
1Indicators of hydrophytic vegetation and wetland hydrology must be present.						Remarks: Hydric soils are present.																																																					
WETLAND DETERMINATION																																																											
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ X Yes _____ No					Hydric Soils Present? _____ X Yes _____ No Is This Sampling Point Within A Wetland? _____ X Yes _____ No																																																						
Remarks: This plot is located in a wetland. Hydric soils and wetland hydrology are present, so this area would likely support a dominance of hydrophytic vegetation if it were not actively cropped.																																																											

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)									
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/10/08 County: Will State: Illinois Community ID: Upland Station ID: W11NW-2 Plot ID: SC-2			
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Field cropped with soybean			
Remarks: Field cropped with soybean									
VEGETATION									
Dominant Species (50/20 Rule)									
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>					
1. <i>Glycine max</i> UPL HERB 100				7. -- -- -- --					
2. -- -- -- --				8. -- -- -- --					
3. -- -- -- --				9. -- -- -- --					
4. -- -- -- --				10. -- -- -- --					
5. -- -- -- --				11. -- -- -- --					
6. -- -- -- --				12. -- -- -- --					
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%									
Remarks: Hydrophytic vegetation not dominant.									
HYDROLOGY									
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)				
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.				
Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.									
SOILS									
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Profile Description:									
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
0	10	Ap	5YR 3/1	NA NA	NA NA	clay loam, moist, firm			
10	25	A	7.5YR 4/1	G1 3/10Y 10YR 6/5	common many	distinct distinct	concretions silt loam, moist, friable		
Hydric Soil Indicators:									
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 30%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </div> <div style="width: 30%;"> <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </div> </div>									
1Indicators of hydrophytic vegetation and wetland hydrology must be present.									
Remarks: Hydric soils are present.									
WETLAND DETERMINATION									
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Remarks: This plot is not located in a wetland. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since no wetland hydrology is evident and crop does not appear to be stressed.									

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/10/08 County: Will State: Illinois Community ID: Upland Station ID: W11NW-3 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)																																																																	
Remarks: Field cropped with soybeans - crop not stressed Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	100																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																																											
Remarks: Hydrophytic vegetation not dominant.																																																																	
HYDROLOGY																																																																	
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other _____ No Recorded Data Available				Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)																																																																	
Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Peotone silty clay loam, 0 to 2 percent s Series Drainage Class: Very poorly drained Taxonomy (Subgroup): Cumulic Vertic Endoaquoll Field Observations Confirm Mapped Type? No soil core collected Yes _____ No _____																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
						1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																											
Remarks: Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No				Hydric Soils Present? _____ Yes _____ X No																																																													
Wetland Hydrology Present? _____ Yes _____ X No				Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																													
Remarks: This plot is not located in a wetland. *No soil core collected																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/10/08 County: Will State: Illinois Community ID: Upland Station ID: W11NW-4 Plot ID: NA																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybean - crop not stressed Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. Glycine max	UPL	HERB	100																																																												
2. --	--	--	--																																																												
3. --	--	--	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%						Remarks: Hydrophytic vegetation not dominant.																																																									
HYDROLOGY																																																															
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge _____ X Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																										
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.																																																										
SOILS																																																															
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent s Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? No soil core collected Yes _____ No _____																																																															
Profile Description:																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Hydric Soil Indicators:																																																															
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																										
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)					1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																										
Remarks: Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No																																																										
Wetland Hydrology Present? _____ Yes _____ X No					Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																										
Remarks: This plot is not located in a wetland. * No soil core collected.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																			
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: W11NW-5 Plot ID: S1																																													
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybean																																													
VEGETATION																																																			
Dominant Species (50/20 Rule)																																																			
	<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>																																									
1.	Glycine max	UPL	HERB	100		7.	--	--	--	--																																									
2.	--	--	--	--		8.	--	--	--	--																																									
3.	--	--	--	--		9.	--	--	--	--																																									
4.	--	--	--	--		10.	--	--	--	--																																									
5.	--	--	--	--		11.	--	--	--	--																																									
6.	--	--	--	--		12.	--	--	--	--																																									
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																													
Remarks: Hydrophytic vegetation not dominant.																																																			
HYDROLOGY																																																			
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge _____ X Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																														
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.																																														
SOILS																																																			
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																			
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top Depth</th> <th style="width: 5%;">Bottom Depth</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silt loam, moist, friable</td> </tr> <tr> <td>7</td> <td>24</td> <td>A</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silt loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	7	Ap	10YR 2/1	NA NA	NA NA	silt loam, moist, friable	7	24	A	10YR 2/1	NA NA	NA NA	silt loam, moist, friable																					
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																													
0	7	Ap	10YR 2/1	NA NA	NA NA	silt loam, moist, friable																																													
7	24	A	10YR 2/1	NA NA	NA NA	silt loam, moist, friable																																													
Hydric Soil Indicators: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																													
1Indicators of hydrophytic vegetation and wetland hydrology must be present.						Remarks: Hydric soils not present.																																													
WETLAND DETERMINATION																																																			
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																														
Remarks: This plot is not located in a wetland.																																																			

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: W11NW-6 Plot ID: NA																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: cropped soybean field Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. Glycine max	UPL	HERB	100																																																												
2. --	--	--	--																																																												
3. --	--	--	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%						Remarks: Hydrophytic vegetation not dominant.																																																									
HYDROLOGY																																																															
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge _____ X Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																										
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.																																																										
SOILS																																																															
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? No soil core collected Yes _____ No _____																																																															
Profile Description:																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Hydric Soil Indicators:																																																															
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																										
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)					1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																										
Remarks: Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No																																																										
Wetland Hydrology Present? _____ Yes _____ X No					Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																										
Remarks: This plot is not located in a wetland. *No soil core collected.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: W11NW-7 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: cropped soybean field Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																											
VEGETATION Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	100																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation not dominant.																																																																	
HYDROLOGY																																																																	
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.																																																												
SOILS Map Unit Name: Markham silt loam, 4 to 6 percent slopes, eroder Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? No soil core collected Yes _____ No _____																																																																	
Profile Description:																																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators:																																																																	
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																												
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)					1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																												
Remarks: Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																												
Remarks: This plot is not located in a wetland. *No soil core collected																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport						Date: 09/09/08																																																											
Applicant/Owner: Illinois Department of Transportation						County: Will																																																											
Investigator #1: Ann Amelse #2: Matt Hildreth						State: Illinois																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Community ID: Upland																																																											
Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Station ID: W11NW-8																																																											
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Plot ID: NA																																																											
Remarks: Soybeans planted across grassed drainage way among grasses																																																																	
Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Bromus inermis</td><td>UPL</td><td>HERB</td><td>90</td></tr> <tr><td>2. Glycine max</td><td>UPL</td><td>HERB</td><td>10</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Bromus inermis	UPL	HERB	90	2. Glycine max	UPL	HERB	10	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Bromus inermis	UPL	HERB	90																																																														
2. Glycine max	UPL	HERB	10																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Hydrophytic vegetation not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent s Series Drainage Class: Poorly drained																																																																	
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																																	
Profile Description:																																																																	
Top	Bottom		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,																																																											
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	and other soil characteristics.																																																											
Hydric Soil Indicators:																																																																	
(A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat					(S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions																																																												
					Indicators for Problematic Hydric Soils1: (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)																																																												
1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																	
Remarks: Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in a wetland. *No soil core collected.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/10/08 County: Will State: Illinois Community ID: Upland Station ID: W11NW-9 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)																																																																	
Remarks: Field cropped with soybean Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. Glycine max</td> <td>UPL</td> <td>HERB</td> <td>100</td> </tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	100																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																																											
Remarks: Hydrophytic vegetation not dominant.																																																																	
HYDROLOGY																																																																	
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other _____ No Recorded Data Available				Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? No soil core collected Yes _____ No _____																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
						1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																											
Remarks: Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No						Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																											
Remarks: This plot is not located in a wetland. *No soil core collected.																																																																	

Site: Inaugural South Suburban Airport
 Locale: W11NW10
 Date: September 10, 2008 15 minutes
 By: AECOM: A. Amelse; M. Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W11NW10.inv

FLORISTIC QUALITY DATA		Native	1	14.3%	Adventive	6	85.7%
1	NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
7	Total Species	Shrub	0	0.0%	Shrub	0	0.0%
5.0	NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.7	W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
5.0	NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
1.9	W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-1.0	NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	5	71.4%
2.1	W/Adventives	P-Grass	1	14.3%	P-Grass	0	0.0%
AVG: Faculative (+)		A-Grass	0	0.0%	A-Grass	1	14.3%
		P-Sedge	0	0.0%	P-Sedge	0	0.0%
		A-Sedge	0	0.0%	A-Sedge	0	0.0%
		Cryptogam	0	0.0%			
ACRONYM	C SCIENTIFIC NAME	W WETNESS PHYSIOGNOMY COMMON NAME					
ABUTHE	0 ABUTILON THEOPHRASTI	4	FACU-	Ad	A-Forb	VELVETLEAF	
GLYNMX	0 GLYCINE MAX	5	UPL	Ad	A-Forb	SOY BEAN	
HIBTRI	0 HIBISCUS TRIONUM	5	UPL	Ad	A-Forb	FLOWER-OF-AN-HOUR	
IPOHED	0 IPOMOEA HEDERACEA	0	FAC	Ad	A-Forb	IVY-LEAVED MORNING GLORY	
PANVIR	5 Panicum virgatum	-1	FAC+	Nt	P-Grass	SWITCH GRASS	
SETFAB	0 SETARIA FABERI	2	FACU+	Ad	A-Grass	GIANT FOXTAIL	
XANSTR	0 XANTHIUM STRUMARIUM	0	FAC	Ad	A-Forb	COCKLEBUR	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/10/08 County: Will State: Illinois Community ID: FW Station ID: W11NW-10 Plot ID: SC-1																																																																									
Do Normal Circumstances Exist On The Site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Site Significantly Disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Area A Potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If yes, define below.)																																																																															
Remarks: Field cropped with soybean - crop shows signs of stress																																																																															
VEGETATION																																																																															
Dominant Species (50/20 Rule)																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 15%;"></th> <th style="width: 15%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Glycine max</i></td> <td>UPL</td> <td>HERB</td> <td>20</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Setaria faberi</i></td> <td>FACU+</td> <td>HERB</td> <td>5</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Ipomoea hederacea</i></td> <td>FAC</td> <td>VINE</td> <td>5</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Glycine max</i>	UPL	HERB	20		7. --	--	--	--	2. <i>Setaria faberi</i>	FACU+	HERB	5		8. --	--	--	--	3. <i>Ipomoea hederacea</i>	FAC	VINE	5		9. --	--	--	--	4. --	--	--	--		10. --	--	--	--	5. --	--	--	--		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--							
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																							
1. <i>Glycine max</i>	UPL	HERB	20		7. --	--	--	--																																																																							
2. <i>Setaria faberi</i>	FACU+	HERB	5		8. --	--	--	--																																																																							
3. <i>Ipomoea hederacea</i>	FAC	VINE	5		9. --	--	--	--																																																																							
4. --	--	--	--		10. --	--	--	--																																																																							
5. --	--	--	--		11. --	--	--	--																																																																							
6. --	--	--	--		12. --	--	--	--																																																																							
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 50%																																																																															
Remarks: Hydrophytic vegetation is not dominant																																																																															
HYDROLOGY																																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks <input checked="" type="checkbox"/> Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																																										
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																															
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																															
SOILS																																																																															
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5">Profile Description:</th> <th colspan="5">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th colspan="4"></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>10</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td colspan="2">silty clay loam, moist, friable</td> </tr> <tr> <td>10</td> <td>18</td> <td>A</td> <td>N 2.5/0</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td colspan="2">mucky silty clay loam, moist, firm</td> </tr> <tr> <td>18</td> <td>24</td> <td>Btg</td> <td>N 2.5/0</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td colspan="2">silty clay, moist, firm</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td colspan="2"> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td colspan="2"> </td> </tr> </tbody> </table>										Profile Description:					Texture, moisture, consistency, organic material, and other soil characteristics.					Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast					0	10	Ap	10YR 2/1	NA	NA	NA	NA	silty clay loam, moist, friable		10	18	A	N 2.5/0	NA	NA	NA	NA	mucky silty clay loam, moist, firm		18	24	Btg	N 2.5/0	NA	NA	NA	NA	silty clay, moist, firm																					
Profile Description:					Texture, moisture, consistency, organic material, and other soil characteristics.																																																																										
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast																																																																										
0	10	Ap	10YR 2/1	NA	NA	NA	NA	silty clay loam, moist, friable																																																																							
10	18	A	N 2.5/0	NA	NA	NA	NA	mucky silty clay loam, moist, firm																																																																							
18	24	Btg	N 2.5/0	NA	NA	NA	NA	silty clay, moist, firm																																																																							
Hydric Soil Indicators: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral <input checked="" type="checkbox"/> (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																									
1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																															
Remarks: Hydric soils are present.																																																																															
WETLAND DETERMINATION																																																																															
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																										
Remarks: This plot is located in a wetland. Hydric soils and wetland hydrology are present, so this area would likely support a dominance of hydrophytic vegetation if it were not actively cropped.																																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																			
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/10/08 County: Will State: Illinois Community ID: Upland Station ID: W11NW-10 Plot ID: SC-2																																													
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybean																																													
Remarks: Field cropped with soybean																																																			
VEGETATION																																																			
Dominant Species (50/20 Rule)																																																			
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>																																															
1. <i>Glycine max</i> UPL HERB 100				7. -- -- -- --																																															
2. -- -- -- --				8. -- -- -- --																																															
3. -- -- -- --				9. -- -- -- --																																															
4. -- -- -- --				10. -- -- -- --																																															
5. -- -- -- --				11. -- -- -- --																																															
6. -- -- -- --				12. -- -- -- --																																															
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																			
Remarks: Hydrophytic vegetation is not dominant.																																																			
HYDROLOGY																																																			
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge _____ X Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																														
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.																																														
Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.																																																			
SOILS																																																			
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																			
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">11</td> <td style="text-align: center;">Ap</td> <td style="text-align: center;">10YR 2/1</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">silty clay loam, moist, friable</td> </tr> <tr> <td style="text-align: center;">11</td> <td style="text-align: center;">16</td> <td style="text-align: center;">A</td> <td style="text-align: center;">10YR 3/2</td> <td style="text-align: center;">10YR 4/6</td> <td style="text-align: center;">common distinct</td> <td style="text-align: center;">silty clay loam, moist, friable</td> </tr> <tr> <td style="text-align: center;">16</td> <td style="text-align: center;">21</td> <td style="text-align: center;">Bt</td> <td style="text-align: center;">2.5Y 4/2</td> <td style="text-align: center;">7.5YR 4.5/6</td> <td style="text-align: center;">many distinct</td> <td style="text-align: center;">silty clay, moist, firm</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	11	Ap	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable	11	16	A	10YR 3/2	10YR 4/6	common distinct	silty clay loam, moist, friable	16	21	Bt	2.5Y 4/2	7.5YR 4.5/6	many distinct	silty clay, moist, firm														
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																													
0	11	Ap	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable																																													
11	16	A	10YR 3/2	10YR 4/6	common distinct	silty clay loam, moist, friable																																													
16	21	Bt	2.5Y 4/2	7.5YR 4.5/6	many distinct	silty clay, moist, firm																																													
Hydric Soil Indicators: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																													
1Indicators of hydrophytic vegetation and wetland hydrology must be present.						Remarks: Hydric soils not present.																																													
Remarks: Hydric soils not present.																																																			
WETLAND DETERMINATION																																																			
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																														
Remarks: This plot is not located in a wetland.																																																			

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: W11SW-1 Plot ID: NA																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: small meadow in soybean field Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>33</td></tr> <tr><td>2. <i>Helianthus grosseserratus</i></td><td>FACW-</td><td>HERB</td><td>33</td></tr> <tr><td>3. <i>Solidago altissima</i></td><td>FACU</td><td>HERB</td><td>33</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	33	2. <i>Helianthus grosseserratus</i>	FACW-	HERB	33	3. <i>Solidago altissima</i>	FACU	HERB	33	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Bromus inermis</i>	UPL	HERB	33																																																												
2. <i>Helianthus grosseserratus</i>	FACW-	HERB	33																																																												
3. <i>Solidago altissima</i>	FACU	HERB	33																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 33% Remarks: Hydrophytic vegetation is not dominant.						HYDROLOGY <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other </div> <input type="checkbox"/> No Recorded Data Available </div> <div style="width: 50%;"> Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) </div> </div>																																																									
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																															
Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.																																																															
SOILS Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Profile Description:</th> <th>Matrix Color</th> <th>Mottle Colors</th> <th>Mottle</th> <th rowspan="2">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> <tr> <th>Top</th> <th>Bottom</th> <th>(Munsell Moist):</th> <th>(Munsell Moist):</th> <th>Abundance/Contrast</th> </tr> <tr> <th>Depth</th> <th>Depth</th> <th>Horizon</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Profile Description:		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material, and other soil characteristics.	Top	Bottom	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	Depth	Depth	Horizon																																								
Profile Description:		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material, and other soil characteristics.																																																										
Top	Bottom	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast																																																											
Depth	Depth	Horizon																																																													
Hydric Soil Indicators: <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 30%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </div> <div style="width: 30%;"> <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </div> </div>						Indicators for Problematic Hydric Soils1: 1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																									
Remarks: Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																															
WETLAND DETERMINATION Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																															
Remarks: This plot is not located in a wetland. *No soil core collected.																																																															

Site: Inaugural South Suburban Airport
 Locale: W11SW2
 Date: September 9, 2008 1 hours
 By: AECOM: A. Amelse; M. Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W11SW2.inv

FLORISTIC QUALITY DATA	Native	20	90.9%	Adventive	2	9.1%
20 NATIVE SPECIES	Tree	3	13.6%	Tree	0	0.0%
22 Total Species	Shrub	3	13.6%	Shrub	0	0.0%
2.5 NATIVE MEAN C	W-Vine	1	4.5%	W-Vine	1	4.5%
2.3 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
11.4 NATIVE FQI	P-Forb	7	31.8%	P-Forb	0	0.0%
10.9 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-3.1 NATIVE MEAN W	A-Forb	3	13.6%	A-Forb	0	0.0%
-3.0 W/Adventives	P-Grass	1	4.5%	P-Grass	1	4.5%
AVG: Fac. Wetland	A-Grass	1	4.5%	A-Grass	0	0.0%
	P-Sedge	1	4.5%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACENEG	0 Acer negundo	-2 FACW-	Nt Tree	BOX ELDER
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
APOCAN	4 Apocynum cannabinum	0 FAC	Nt P-Forb	INDIAN HEMP
ASCINC	4 Asclepias incarnata	-5 OBL	Nt P-Forb	SWAMP MILKWEED
CORSTO	6 Cornus stolonifera	-3 FACW	Nt Shrub	RED-OSIER DOGWOOD
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
FRAPES	1 Fraxinus pennsylvanica subintegerrima	0 FAC	Nt Tree	GREEN ASH
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
LEEORY	4 Leersia oryzoides	-5 OBL	Nt P-Grass	RICE CUT GRASS
LEMMIO	5 Lemna minor	-5 OBL	Nt A-Forb	SMALL DUCKWEED
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLLAP	0 Polygonum lapathifolium	-4 FACW+	Nt A-Forb	HEARTSEASE
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
SAGLAT	4 Sagittaria latifolia	-5 OBL	Nt P-Forb	COMMON ARROWHEAD
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SAMCAN	1 Sambucus canadensis	-2 FACW-	Nt Shrub	ELDERBERRY
SCICYP	6 Scirpus cyperinus	-5 OBL	Nt P-Sedge	WOOL GRASS
SOLDUL	0 SOLANUM DULCAMARA	0 FAC	Ad W-Vine	BITTERSWEET NIGHTSHADE
SOLGIG	4 Solidago gigantea	-3 FACW	Nt P-Forb	LATE GOLDENROD
TYPLAT	1 Typha latifolia	-5 OBL	Nt P-Forb	BROAD-LEAVED CATTAIL
VERHAS	4 Verbena hastata	-4 FACW+	Nt P-Forb	BLUE VERVAIN
VITRIP	2 Vitis riparia	-2 FACW-	Nt W-Vine	RIVERBANK GRAPE

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/09/08 County: Will State: Illinois Community ID: PEM Station ID: W11SW-2 Plot ID: SC-2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: banks of S. Branch of Rock Creek																																																											
Remarks: banks of S. Branch of Rock Creek																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>30</td></tr> <tr><td>2. <i>Leersia oryzoides</i></td><td>OBL</td><td>HERB</td><td>30</td></tr> <tr><td>3. <i>Lemna minor</i></td><td>OBL</td><td>HERB</td><td>30</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	30	2. <i>Leersia oryzoides</i>	OBL	HERB	30	3. <i>Lemna minor</i>	OBL	HERB	30	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Phalaris arundinacea</i>	FACW+	HERB	30																																																														
2. <i>Leersia oryzoides</i>	OBL	HERB	30																																																														
3. <i>Lemna minor</i>	OBL	HERB	30																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%						Remarks: Hydrophytic vegetation is dominant.																																																											
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: _____ None Primary Indicators: <input checked="" type="checkbox"/> Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: <u>7</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)				Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																													
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes						Series Drainage Class: Poorly drained																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																											
Profile Description:																																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators:						Indicators for Problematic Hydric Soils1:																																																											
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat			_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions			_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
Remarks: No soil core collected; Hydric soils were assumed based on the inundated and channelized conditions.						1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Hydric Soils Present? <input type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Remarks: This plot is located in a wetland. *No soil core collected.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: W11SW-2 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Roadside ditch area adj to S. Branch of Rock Creek																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: center;">Ind. Status</th> <th style="text-align: center;">Stratum</th> <th style="text-align: center;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Bromus inermis</td><td style="text-align: center;">UPL</td><td style="text-align: center;">HERB</td><td style="text-align: center;">100</td></tr> <tr><td>2. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>3. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>4. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>5. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>6. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Bromus inermis	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: center;">Ind. Status</th> <th style="text-align: center;">Stratum</th> <th style="text-align: center;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>8. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>9. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>10. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>11. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>12. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Bromus inermis	UPL	HERB	100																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%						Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																											
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available				Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																													
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top Depth</th> <th style="text-align: center;">Bottom Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: left;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">20</td> <td style="text-align: center;">A</td> <td style="text-align: center;">10YR 2/1</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> <td style="text-align: left;">silt loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	20	A	10YR 2/1	NA NA	NA NA	silt loam, moist, friable																																										
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	20	A	10YR 2/1	NA NA	NA NA	silt loam, moist, friable																																																											
Hydric Soil Indicators: <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils1: <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																											
Remarks: Hydric soils are not present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Remarks: This plot is not located in a wetland.																																																																	

DATA FORM									
ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)									
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/09/08 County: Will State: Illinois Community ID: PEM Station ID: W11SW-2 Plot ID: S3			
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)									
Remarks: adjacent to S. Branch of Rock Creek									
VEGETATION									
Dominant Species (50/20 Rule)									
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>					<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				
1. Ambrosia trifida FAC+ HERB 100					7. -- -- --				
2. -- -- --					8. -- -- --				
3. -- -- --					9. -- -- --				
4. -- -- --					10. -- -- --				
5. -- -- --					11. -- -- --				
6. -- -- --					12. -- -- --				
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						100%			
Remarks: Hydrophytic vegetation is dominant.									
HYDROLOGY									
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other No Recorded Data Available					Wetland Hydrology Indicators: None Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks <input checked="" type="checkbox"/> Drift Lines Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)				
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)									
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.									
SOILS									
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained									
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									
Profile Description:									
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast		Texture, moisture, consistency, organic material, and other soil characteristics.
0	24	Ap	10YR	2/1	NA	NA	NA	NA	mucky sity clay loam, moist, firm
Hydric Soil Indicators:									
(A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat					(S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions				
					(A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)				
Remarks: Hydric soils are present. Organic accumulation in low area of Ashkum.									
WETLAND DETERMINATION									
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Remarks: This plot is located in a wetland.									

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																					
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: W11SW-2 Plot ID: SC-4																																																															
Do Normal Circumstances Exist On The Site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Site Significantly Disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Area A Potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If yes, define below.)						Remarks: Field cropped with soybean																																																															
VEGETATION																																																																					
Dominant Species (50/20 Rule)																																																																					
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>																																																																	
1.	<i>Glycine max</i>			UPL	HERB	100	7.	--																																																													
2.	--			--	--	--	8.	--																																																													
3.	--			--	--	--	9.	--																																																													
4.	--			--	--	--	10.	--																																																													
5.	--			--	--	--	11.	--																																																													
6.	--			--	--	--	12.	--																																																													
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):							0%																																																														
Remarks: Hydrophytic vegetation is not dominant.																																																																					
HYDROLOGY																																																																					
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)																																																																
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																
SOILS																																																																					
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																																																					
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top Depth</th> <th style="text-align: center;">Bottom Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th colspan="4" style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">14</td> <td style="text-align: center;">Ap</td> <td style="text-align: center;">10YR</td> <td style="text-align: center;">2/1</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">NA</td> <td style="text-align: center;">silty clay loam, moist, firm</td> </tr> <tr> <td style="text-align: center;">14</td> <td style="text-align: center;">21</td> <td style="text-align: center;">Bt</td> <td style="text-align: center;">2.5Y</td> <td style="text-align: center;">2.5/1</td> <td style="text-align: center;">2.5Y</td> <td style="text-align: center;">4/4</td> <td style="text-align: center;">common</td> <td style="text-align: center;">distinct</td> <td style="text-align: center;">clay, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.				0	14	Ap	10YR	2/1	NA	NA	NA	NA	silty clay loam, moist, firm	14	21	Bt	2.5Y	2.5/1	2.5Y	4/4	common	distinct	clay, moist, firm																														
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																															
0	14	Ap	10YR	2/1	NA	NA	NA	NA	silty clay loam, moist, firm																																																												
14	21	Bt	2.5Y	2.5/1	2.5Y	4/4	common	distinct	clay, moist, firm																																																												
<table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> Hydric Soil Indicators: (A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%; vertical-align: top;"> Indicators for Problematic Hydric Soils1: (S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks) </td> </tr> </table>										Hydric Soil Indicators: (A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils1: (S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)																																																										
Hydric Soil Indicators: (A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils1: (S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)																																																																				
1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																					
Remarks: Hydric soils are not present.																																																																					
WETLAND DETERMINATION																																																																					
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																																																
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					Is This Sampling Point Within A Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																																																
Remarks: This plot is not located in a wetland.																																																																					

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: W11SW-3 Plot ID: NA																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybean Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. Glycine max	UPL	HERB	100																																																												
2. --	--	--	--																																																												
3. --	--	--	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%						Remarks: Hydrophytic vegetation not dominant.																																																									
HYDROLOGY																																																															
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge _____ X Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																										
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology not present. Aerial photos used for NRCS slide review.																																																										
SOILS																																																															
Map Unit Name: Elliott silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained					Taxonomy (Subgroup): Aquic Argiudolls Field Observations Confirm Mapped Type? No soil core collected Yes _____ No _____																																																										
Profile Description:																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Hydric Soil Indicators:																																																															
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																										
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)					1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																										
Remarks: Hydrophytic vegetation and wetland hydrology not present, so soil core not taken.																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No																																																										
Wetland Hydrology Present? _____ Yes _____ X No					Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																										
Remarks: This plot is not located in a wetland. *No soil core collected.																																																															

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK


Appendix E

Section Will 12

Area ID	Total Depth	Hydric Soil	Native FQI	Comments
UW12NE-1	NA	NA	NA	Photo NE
UW12NE-2	NA	NA	NA	Photo S
W12NE-3-S2	21	Yes	2.1	
W12NE-3U-S1	20	No		
W12NE-4-S2	21	Yes	15.4	
W12NE-4U-S1	20	No		
W12NE-5-S1	21	Yes	0.9	
W12NE-5U-S2	22	No		
W12NE-6a-S1	22	Yes	5.3	
W12NE-6aU-S2	22	No		
W12NE-6b-S1	21	Yes	8.6	
W12NE-6bU-S2	20	No		
UW12NE-7	NA	NA	NA	
W12NW-1-S1	22	Yes	8.1	Photo SE
W12NW-1U-S2	20	No		
W12NW-2-S2	21	Yes	7.6	Photo NW
W12NW-2U-S1	23	No		
W12NW-3U-S1	18	No	11.5	
W12NW-3-S2	NA	NA		no soil core area inundated
W12NW-4-S1	21	Yes	5.3	
W12NW-4U-S2	20	No		
W12NW-5-S1	22	Yes	9.3	Photo S
W12NW-5U-S2	20	No		
W12NW-6-S2	NA	NA	8.7	no soil core area inundated
W12NW-6U-S1	20	Yes		
UW12NW-7a	21	No	NA	Photo NW
W12NW-7b-S1	21	Yes	5.4	Photo W
W12NW-7bU-S2	21	No		
W12NW-8-S1	20	Yes	7.0	
W12NW-8U-S2	21	No		
UW12NW-9	NA	NA	NA	Photo W
UW12NW-10	NA	NA	NA	Photo SW
UW12NW-11	NA	NA	NA	Photo W
W12NW-12-S1	20	Yes	4.0	
W12NW-12U-S2	20	Yes		
UW12NW-13	NA	NA	NA	Photo S

NA = not applicable



<p>Legend</p> <p>Wetland Type</p> <ul style="list-style-type: none">PEMPSSPFOPEM/PFOPSS/PEMPFO/PSSPOWStreamWetland Complex <p>2008 Study Boundary</p> <p>Sections</p> <p>○ Upland Soil Cores</p> <p>☆ Upland Photo Locations</p> <p>◇ Wetland Soil Cores</p> <p>N</p>	<p>EXHIBIT E-1M</p> <p>Will Township Section 12</p> <p>2008 - 2009 FIELD INVESTIGATION RESULTS</p> <p>South Suburban Airport</p>	<p> Illinois Department of Transportation</p> <p>Division of Aeronautics</p> <p>AECOM</p> <p>0 250 500 1,000 1,500 Feet</p>
--	--	--

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Teri Radke #2: Robyn West						Date: 09/10/08 County: Will State: Illinois Community ID: Upland Station ID: UW12NE-1 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)																																																																	
Remarks: Corn field vegetation; no other vegetation, corn is not stressed. Plot is in area higher than the surroundings																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. Zea mays</td> <td>UPL</td> <td>HERB</td> <td>100</td> </tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Zea mays	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Zea mays	UPL	HERB	100																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. NRCS aerial slide review location																																																																	
SOILS																																																																	
Map Unit Name: Markham silt loam Series Drainage Class: Moderately well-drained Taxonomy (Subgroup): Mollic Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? no soil core collected Yes _____ No _____																																																																	
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top Depth</th> <th style="text-align: center;">Bottom Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
_____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Mapped soils not hydric. Successful crop and no wetland hydrology, so no soil core collected.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No				Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																													
Remarks: This plot is not located in wetland. *No soil core collected																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Teri Radke #2: Robyn West						Date: 09/10/08 County: Will State: Illinois Community ID: Upland Station ID: W12NE-2 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Field tile; Vegetation nearly all upland foxtail in center of corn field																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>95</td></tr> <tr><td>2. <i>Abutilon theophrastii</i></td><td>FACU-</td><td>HERB</td><td>2</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Setaria faberi</i>	FACU+	HERB	95	2. <i>Abutilon theophrastii</i>	FACU-	HERB	2	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Setaria faberi</i>	FACU+	HERB	95																																																														
2. <i>Abutilon theophrastii</i>	FACU-	HERB	2																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. NRCS Slide Review--field tile location in upland soil unit.																																																																	
SOILS																																																																	
Map Unit Name: Markham silt loam Series Drainage Class: Moderately well-drained Taxonomy (Subgroup): Mollic Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? no soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																																	
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top Depth</th> <th style="text-align: center;">Bottom Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																	
Remarks: Hydric soils are not mapped at this location. No wetland vegetation or hydrology present, so no soil core collected.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Remarks: This plot is not located in wetland. *No soil core collected.																																																																	

Site: SSA Inaugural Delineation
 Locale: W12NE3
 Date: September 10, 2008 15 minutes
 By: AECOM: T.Radke; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W12NE3.inv

FLORISTIC QUALITY DATA	Native	2	66.7%	Adventive	1	33.3%
2 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
3 Total Species	Shrub	1	33.3%	Shrub	0	0.0%
1.5 NATIVE MEAN C	W-Vine	1	33.3%	W-Vine	0	0.0%
1.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
2.1 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
1.7 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-3.0 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	0	0.0%
-0.3 W/Adventives	P-Grass	0	0.0%	P-Grass	1	33.3%
AVG: Fac. Wetland	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
BROINE	0 BROMUS INERMIS	5 UPL	Ad P-Grass	HUNGARIAN BROME
RHURAD	2 Rhus radicans	-1 FAC+	Nt W-Vine	POISON IVY
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Teri Radke #2: Robyn West						Date: 09/10/08 County: Will State: Illinois Community ID: PEM Station ID: W12NE-3 Plot ID: S2																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																								
Remarks: Large willow thicket in tiled grassed waterway w/upland herb layer Willow thicket delineated within upland feature																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Species Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Ind. Status</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">% Cover</th> <th style="width: 20px;"></th> <th style="text-align: left; border-bottom: 1px solid black;">Species Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Ind. Status</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Salix exigua</i></td> <td>OBL</td> <td>SHRUB</td> <td>75</td> <td></td> <td>7. <i>Hackelia virginiana</i></td> <td>FAC-</td> <td>HERB</td> <td>5</td> </tr> <tr> <td>2. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>75</td> <td></td> <td>8. <i>Morus alba</i></td> <td>FAC</td> <td>TREE</td> <td>10</td> </tr> <tr> <td>3. <i>Solidago altissima</i></td> <td>FACU</td> <td>HERB</td> <td>5</td> <td></td> <td>9. <i>Prunus serotina</i></td> <td>FACU</td> <td>TREE</td> <td>10</td> </tr> <tr> <td>4. <i>Rubus occidentalis</i></td> <td>UPL</td> <td>HERB</td> <td>30</td> <td></td> <td>10. <i>Arctium minus</i></td> <td>UPL</td> <td>HERB</td> <td>5</td> </tr> <tr> <td>5. <i>Lonicera tatarica</i></td> <td>UPL</td> <td>SHRUB</td> <td>10</td> <td></td> <td>11. <i>Rubus occidentalis</i></td> <td>UPL</td> <td>SHRUB</td> <td>15</td> </tr> <tr> <td>6. <i>Sambucus canadensis</i></td> <td>FACW-</td> <td>SHRUB</td> <td>5</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Salix exigua</i>	OBL	SHRUB	75		7. <i>Hackelia virginiana</i>	FAC-	HERB	5	2. <i>Bromus inermis</i>	UPL	HERB	75		8. <i>Morus alba</i>	FAC	TREE	10	3. <i>Solidago altissima</i>	FACU	HERB	5		9. <i>Prunus serotina</i>	FACU	TREE	10	4. <i>Rubus occidentalis</i>	UPL	HERB	30		10. <i>Arctium minus</i>	UPL	HERB	5	5. <i>Lonicera tatarica</i>	UPL	SHRUB	10		11. <i>Rubus occidentalis</i>	UPL	SHRUB	15	6. <i>Sambucus canadensis</i>	FACW-	SHRUB	5		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Salix exigua</i>	OBL	SHRUB	75		7. <i>Hackelia virginiana</i>	FAC-	HERB	5																																																																
2. <i>Bromus inermis</i>	UPL	HERB	75		8. <i>Morus alba</i>	FAC	TREE	10																																																																
3. <i>Solidago altissima</i>	FACU	HERB	5		9. <i>Prunus serotina</i>	FACU	TREE	10																																																																
4. <i>Rubus occidentalis</i>	UPL	HERB	30		10. <i>Arctium minus</i>	UPL	HERB	5																																																																
5. <i>Lonicera tatarica</i>	UPL	SHRUB	10		11. <i>Rubus occidentalis</i>	UPL	SHRUB	15																																																																
6. <i>Sambucus canadensis</i>	FACW-	SHRUB	5		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 40*																																																																								
Remarks: *Hydrophytic vegetation is dominant in the shrub layer with understory of upland species. Sandbar willow thicket is dominant vegetation and defines vegetation community in this portion of drainageway.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data _____ FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)																																																																								
Remarks: Wetland hydrology is present. Very large uncultivated area in center of cropped field. Evidence of tile drainage changing hydrology of area.																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam Taxonomy (Subgroup): Typic Endoaquolls					Series Drainage Class: Poorly drained Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Profile Description: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> <tr> <th style="text-align: center;">Depth</th> <th style="text-align: center;">Depth</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">11</td> <td style="text-align: center;">A</td> <td style="text-align: center;">10YR</td> <td style="text-align: center;">3/1</td> <td style="text-align: center;">NA NA NA NA</td> <td style="text-align: center;">redox concretions very small silty clay loam, moist, friable</td> </tr> <tr> <td style="text-align: center;">11</td> <td style="text-align: center;">21</td> <td style="text-align: center;">B</td> <td style="text-align: center;">10Y</td> <td style="text-align: center;">2.5/1</td> <td style="text-align: center;">NA NA NA NA</td> <td style="text-align: center;">silty clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	Depth	Depth						0	11	A	10YR	3/1	NA NA NA NA	redox concretions very small silty clay loam, moist, friable	11	21	B	10Y	2.5/1	NA NA NA NA	silty clay, moist, friable																																			
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
Depth	Depth																																																																							
0	11	A	10YR	3/1	NA NA NA NA	redox concretions very small silty clay loam, moist, friable																																																																		
11	21	B	10Y	2.5/1	NA NA NA NA	silty clay, moist, friable																																																																		
Hydric Soil Indicators ² : <table style="width:100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input checked="" type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </td> </tr> </tbody> </table>						<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input checked="" type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : <table style="width:100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </td> <td style="width: 50%; vertical-align: top;"> ¹Indicators of hydrophytic vegetation and wetland hydrology must be present. </td> </tr> </tbody> </table>				<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)	¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																											
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input checked="" type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																							
<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)	¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																							

Remarks: **Hydric soils are present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
---	---

Remarks: **This plot is located in a wetland. Hydrology altered by presence of tile.**

*Although cover percentages for overall species did not meet dominance test,
the hydrophytic shrub (sandbar willow) defines the vegetative community in this portion of drainageway.

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Teri Radke #2: Robyn West						Date: 09/10/08 County: Will State: Illinois Community ID: Upland Station ID: W12NE-3 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Uncultivated area in middle of corn field																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Bromus inermis</td><td>UPL</td><td>HERB</td><td>70</td></tr> <tr><td>2. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>10</td></tr> <tr><td>3. Melilotus alba</td><td>FACU</td><td>HERB</td><td>20</td></tr> <tr><td>4. Elaeagnus umbellata</td><td>UPL</td><td>SHRUB</td><td>100</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Bromus inermis	UPL	HERB	70	2. <i>Daucus carota</i>	UPL	HERB	10	3. Melilotus alba	FACU	HERB	20	4. Elaeagnus umbellata	UPL	SHRUB	100	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Bromus inermis	UPL	HERB	70																																																														
2. <i>Daucus carota</i>	UPL	HERB	10																																																														
3. Melilotus alba	FACU	HERB	20																																																														
4. Elaeagnus umbellata	UPL	SHRUB	100																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)																																																																	
Remarks: Wetland hydrology is not present. NRCS review site																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam Taxonomy (Subgroup): Typic Endoaquolls						Series Drainage Class: Poorly drained Field Observations Confirm Mapped Type? _____ Yes _____ No																																																											
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	11	A1	10YR 3/1	NA NA	NA NA	Silty clay loam, moist, friable																																																											
11	13	A2	10YR 3/1	concretion colors 10YR 8/3 10YR 5/6		Silty clay, moist, firm																																																											
13	20	B2	10YR 5/1	10YR 5/6	many distinct	Silty clay, moist, sticky																																																											
Hydric Soil Indicators ² :																																																																	
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat			_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions			_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
Remarks: Hydric soils are not present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? _____ Yes <input checked="" type="checkbox"/> No																																																												
Wetland Hydrology Present? _____ Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? _____ Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in wetland.																																																																	

Site: Inaugural South Suburban Airport
 Locale: W12NE4
 Date: September 10, 2008 1 hours
 By: AECOM: T.Radke; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W12NE4.inv
 Notes: Wetland Complex PFO/POW/PEM delineated 9/9/08.

FLORISTIC QUALITY DATA	Native	22	88.0%	Adventive	3	12.0%
22 NATIVE SPECIES	Tree	3	12.0%	Tree	0	0.0%
25 Total Species	Shrub	3	12.0%	Shrub	0	0.0%
3.3 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
2.9 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
15.4 NATIVE FQI	P-Forb	7	28.0%	P-Forb	1	4.0%
14.4 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-3.0 NATIVE MEAN W	A-Forb	3	12.0%	A-Forb	0	0.0%
-2.4 W/Adventives	P-Grass	1	4.0%	P-Grass	2	8.0%
AVG: Fac. Wetland	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	5	20.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOGNOMY	COMMON NAME
ACESAI	0	Acer saccharinum	-3	FACW	Nt Tree	SILVER MAPLE
ASCINC	4	Asclepias incarnata	-5	OBL	Nt P-Forb	SWAMP MILKWEED
ASTSIS	3	Aster simplex	-5	OBL	Nt P-Forb	PANICLED ASTER
BIDCER	5	Bidens cernua	-5	OBL	Nt A-Forb	NODDING BUR MARIGOLD
CXCRIS	4	Carex cristatella	-4	FACW+	Nt P-Sedge	CRESTED OVAL SEDGE
CIRARV	0	CIRSIUM ARVENSE	5	UPL	Ad P-Forb	FIELD THISTLE
CORSTO	6	Cornus stolonifera	-3	FACW	Nt Shrub	RED-OSIER DOGWOOD
ELEERY	2	Eleocharis erythropoda	-5	OBL	Nt P-Sedge	RED-ROOTED SPIKE RUSH
EREHIE	2	Erechtites hieracifolia	3	FACU	Nt A-Forb	FIREWEED
JUNDUD	4	Juncus dudleyi	0	[FAC]	Nt P-Forb	DUDLEY'S RUSH
JUNTOR	4	Juncus torreyi	-3	FACW	Nt P-Forb	TORREY'S RUSH
LEEORY	4	Leersia oryzoides	-5	OBL	Nt P-Grass	RICE CUT GRASS
LEMMIO	5	Lemna minor	-5	OBL	Nt A-Forb	SMALL DUCKWEED
PHAARU	0	PHALARIS ARUNDINACEA	-4	FACW+	Ad P-Grass	REED CANARY GRASS
PHLPRA	0	PHLEUM PRATENSE	3	FACU	Ad P-Grass	TIMOTHY
POPDEL	2	Populus deltoides	-1	FAC+	Nt Tree	EASTERN COTTONWOOD
SALDIS	2	Salix discolor	-3	FACW	Nt Shrub	PUSSY WILLOW
SALINT	1	Salix interior	-5	OBL	Nt Shrub	SANDBAR WILLOW
SCIFLU	4	Scirpus fluviatilis	-5	OBL	Nt P-Sedge	RIVER BULRUSH
SCIPEN	4	Scirpus pendulus	-5	OBL	Nt P-Sedge	RED BULRUSH
SCIVAC	5	Scirpus validus creber	-5	OBL	Nt P-Sedge	GREAT BULRUSH
SOLNEM	4	Solidago nemoralis	5	UPL	Nt P-Forb	OLD-FIELD GOLDENROD
TYPANG	1	Typha angustifolia	-5	OBL	Nt P-Forb	NARROW-LEAVED CATTAIL
ULMAME	3	Ulmus americana	-2	FACW-	Nt Tree	AMERICAN ELM
VIOSOR	3	Viola sororia	1	FAC-	Nt P-Forb	COMMON BLUE VIOLET

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Teri Radke #2: Robyn West						Date: 09/09/08 County: Will State: Illinois Community ID: PEM/POW Station ID: W12NE-4 Plot ID: S2																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																								
Remarks: Point north of excavated pond and next to hay field; excavated pond with emergent fringe																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Species Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Ind. Status</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">% Cover</th> <th style="width: 20px;"></th> <th style="text-align: left; border-bottom: 1px solid black;">Species Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Ind. Status</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. Aster simplex</td> <td>FACW</td> <td>HERB</td> <td>65</td> <td></td> <td>7. <i>Festuca elatior</i></td> <td>FACU+</td> <td>HERB</td> <td>15</td> </tr> <tr> <td>2. Eleocharis erythropoda</td> <td>OBL</td> <td>HERB</td> <td>50</td> <td></td> <td>8. <i>Leersia oryzoides</i></td> <td>OBL</td> <td>HERB</td> <td>10</td> </tr> <tr> <td>3. <i>Asclepias incarnata</i></td> <td>OBL</td> <td>HERB</td> <td>1</td> <td></td> <td>9. <i>Carex sp</i></td> <td></td> <td>HERB</td> <td>10</td> </tr> <tr> <td>4. <i>Bidens cernua</i></td> <td>OBL</td> <td>HERB</td> <td>1</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Scirpus pendulus</i></td> <td>OBL</td> <td>HERB</td> <td>5</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. Salix exigua</td> <td>OBL</td> <td>SHRUB</td> <td>100</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. Aster simplex	FACW	HERB	65		7. <i>Festuca elatior</i>	FACU+	HERB	15	2. Eleocharis erythropoda	OBL	HERB	50		8. <i>Leersia oryzoides</i>	OBL	HERB	10	3. <i>Asclepias incarnata</i>	OBL	HERB	1		9. <i>Carex sp</i>		HERB	10	4. <i>Bidens cernua</i>	OBL	HERB	1		10. --	--	--	--	5. <i>Scirpus pendulus</i>	OBL	HERB	5		11. --	--	--	--	6. Salix exigua	OBL	SHRUB	100		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. Aster simplex	FACW	HERB	65		7. <i>Festuca elatior</i>	FACU+	HERB	15																																																																
2. Eleocharis erythropoda	OBL	HERB	50		8. <i>Leersia oryzoides</i>	OBL	HERB	10																																																																
3. <i>Asclepias incarnata</i>	OBL	HERB	1		9. <i>Carex sp</i>		HERB	10																																																																
4. <i>Bidens cernua</i>	OBL	HERB	1		10. --	--	--	--																																																																
5. <i>Scirpus pendulus</i>	OBL	HERB	5		11. --	--	--	--																																																																
6. Salix exigua	OBL	SHRUB	100		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%																																																																								
Remarks: Hydrophytic vegetation is dominant. Some old field vegetation similar to adjacent hay field																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input checked="" type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 16 (in.) Depth to Saturated Soil: NA (in.)																																																																								
Remarks: Wetland hydrology is present.																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> <tr> <th style="text-align: center;">Depth</th> <th style="text-align: center;">Depth</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">6</td> <td style="text-align: center;">A1</td> <td style="text-align: center;">10YR 3/2</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">Silty clay, moist, sticky</td> </tr> <tr> <td style="text-align: center;">6</td> <td style="text-align: center;">15</td> <td style="text-align: center;">A2</td> <td style="text-align: center;">10YR 4/3</td> <td style="text-align: center;">concretions 10YR 5/6</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">Silty clay, moist, very firm few small gray concretions</td> </tr> <tr> <td style="text-align: center;">15</td> <td style="text-align: center;">21</td> <td style="text-align: center;">B1</td> <td style="text-align: center;">10YR 4/2</td> <td style="text-align: center;">10YR 4/6</td> <td style="text-align: center;">many prominent</td> <td style="text-align: center;">Silty clay, moist, very firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	Depth	Depth						0	6	A1	10YR 3/2	NA NA	NA NA	Silty clay, moist, sticky	6	15	A2	10YR 4/3	concretions 10YR 5/6	NA NA	Silty clay, moist, very firm few small gray concretions	15	21	B1	10YR 4/2	10YR 4/6	many prominent	Silty clay, moist, very firm																												
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
Depth	Depth																																																																							
0	6	A1	10YR 3/2	NA NA	NA NA	Silty clay, moist, sticky																																																																		
6	15	A2	10YR 4/3	concretions 10YR 5/6	NA NA	Silty clay, moist, very firm few small gray concretions																																																																		
15	21	B1	10YR 4/2	10YR 4/6	many prominent	Silty clay, moist, very firm																																																																		
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td><input type="checkbox"/> (A1) Histosol</td> <td><input type="checkbox"/> (S4) Sandy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A2) Histic Epipedon</td> <td><input type="checkbox"/> (S5) Sandy Redox</td> </tr> <tr> <td><input type="checkbox"/> (A3) Black Histic</td> <td><input type="checkbox"/> (S6) Stripped Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A4) Hydrogen Sulfide</td> <td><input type="checkbox"/> (F1) Loamy Mucky Mineral</td> </tr> <tr> <td><input type="checkbox"/> (A5) Stratified Layers</td> <td><input type="checkbox"/> (F2) Loamy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A10) 2 cm Muck</td> <td><input type="checkbox"/> (F3) Depleted Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A11) Depleted Below Dark Surface</td> <td><input type="checkbox"/> (F6) Redox Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (A12) Thick Dark Surface</td> <td><input type="checkbox"/> (F7) Depleted Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (S1) Sandy Mucky Mineral</td> <td><input type="checkbox"/> (F8) Redox Depressions</td> </tr> <tr> <td><input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat</td> <td></td> </tr> </table>						<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix	<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox	<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix	<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral	<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix	<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix	<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface	<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface	<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat		Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input checked="" type="checkbox"/> Other (Explain in Remarks)																																														
<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix																																																																							
<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox																																																																							
<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix																																																																							
<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral																																																																							
<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix																																																																							
<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix																																																																							
<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface																																																																							
<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface																																																																							
<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions																																																																							
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat																																																																								
Remarks: Problem soil appears to match Markham profile with developing hydric features. Bright and gray concretions present. Mottle density increases with depth.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Remarks: This plot is located in wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)												
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Teri Radke #2: Robyn West						Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: W12NE-4 Plot ID: S1						
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)												
Remarks: Point is in hay field north of wetland												
VEGETATION												
Dominant Species (50/20 Rule)												
<i>Species Name</i> 1. <i>Festuca elatior</i> 2. <i>Trifolium pratense</i> 3. <i>Phleum pratense</i> 4. <i>Poa pratensis</i> 5. -- 6. --	<i>Ind. Status</i> FACU+ UPL FACU FAC- -- --	<i>Stratum</i> HERB HERB HERB HERB -- --	<i>% Cover</i> 30 50 30 20 -- --	<i>Species Name</i> 7. -- 8. -- 9. -- 10. -- 11. -- 12. --						<i>Ind. Status</i> -- -- -- -- -- --	<i>Stratum</i> -- -- -- -- -- --	<i>% Cover</i> -- -- -- -- -- --
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%												
Remarks: Hydrophytic vegetation is not dominant. Hay field												
HYDROLOGY												
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)								
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)												
Remarks: Wetland hydrology is not present.												
SOILS												
Map Unit Name: Ozaukee silt loam/ Markham silt loam Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs/ Mollic Oxyaquic Haplu Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No												
Profile Description:												
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.						
0	3	A1	10YR	3/2	NA	NA	NA	NA	Silty clay, moist, sticky			
3	16	A2	10YR	4/3	10YR	5/6	few	distinct	Silty clay, moist, very firm			
16	20	B1	10YR	4/3	10YR	5/6	common	distinct	Silty clay, moist, very firm			
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)						
Remarks: Appears to be Markham soil missing most of the A horizon Hydric soil not present						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)						
WETLAND DETERMINATION												
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
Remarks: Hydric soils are not present. Large excavated pond south of point.												

Site: SSA Inaugural Delineation
 Locale: W12NE5
 Date: September 10, 2008 30 minutes
 By: AECOM: T.Radke; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W12NE5.inv

FLORISTIC QUALITY DATA	Native	5	45.5%	Adventive	6	54.5%
5 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
11 Total Species	Shrub	1	9.1%	Shrub	0	0.0%
0.4 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.2 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
0.9 NATIVE FQI	P-Forb	1	9.1%	P-Forb	0	0.0%
0.6 W/Adventives	B-Forb	0	0.0%	B-Forb	1	9.1%
-1.6 NATIVE MEAN W	A-Forb	1	9.1%	A-Forb	3	27.3%
1.2 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Fac. Wetland (-)	A-Grass	2	18.2%	A-Grass	2	18.2%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0 ABUTILON THEOPHRASTI	4 FACU-	Ad A-Forb	VELVETLEAF
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
DAUCAR	0 DAUCUS CAROTA	5 UPL	Ad B-Forb	QUEEN ANNE'S LACE
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
HIBTRI	0 HIBISCUS TRIONUM	5 UPL	Ad A-Forb	FLOWER-OF-AN-HOUR
IPOHED	0 IPOMOEA HEDERACEA	0 FAC	Ad A-Forb	IVY-LEAVED MORNING GLORY
PANDII	0 Panicum dichotomiflorum	-2 FACW-	Nt A-Grass	KNEE GRASS
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
SOLALT	1 Solidago altissima	3 FACU	Nt P-Forb	TALL GOLDENROD
ZEAMAY	0 ZEA MAYS	5 UPL	Ad A-Grass	CORN

DATA FORM																																																																	
ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport					Date: 09/10/08																																																												
Applicant/Owner: Illinois Department of Transportation					County: Will																																																												
Investigator #1: Teri Radke #2: Robyn West					State: Illinois																																																												
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Community ID: FW																																																												
Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Station ID: W12NE-5																																																												
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)					Plot ID: S1																																																												
Remarks: Bare area in corn field; failed crop																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table><thead><tr><th>Species Name</th><th>Ind. Status</th><th>Stratum</th><th>% Cover</th><th>Species Name</th><th>Ind. Status</th><th>Stratum</th><th>% Cover</th></tr></thead><tbody><tr><td>1. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>70</td><td>7. --</td><td>--</td><td>--</td><td>--</td></tr><tr><td>2. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>30</td><td>8. --</td><td>--</td><td>--</td><td>--</td></tr><tr><td>3. --</td><td>--</td><td>--</td><td>--</td><td>9. --</td><td>--</td><td>--</td><td>--</td></tr><tr><td>4. --</td><td>--</td><td>--</td><td>--</td><td>10. --</td><td>--</td><td>--</td><td>--</td></tr><tr><td>5. --</td><td>--</td><td>--</td><td>--</td><td>11. --</td><td>--</td><td>--</td><td>--</td></tr><tr><td>6. --</td><td>--</td><td>--</td><td>--</td><td>12. --</td><td>--</td><td>--</td><td>--</td></tr></tbody></table>										Species Name	Ind. Status	Stratum	% Cover	Species Name	Ind. Status	Stratum	% Cover	1. <i>Echinochloa crusgalli</i>	FACW	HERB	70	7. --	--	--	--	2. <i>Setaria faberi</i>	FACU+	HERB	30	8. --	--	--	--	3. --	--	--	--	9. --	--	--	--	4. --	--	--	--	10. --	--	--	--	5. --	--	--	--	11. --	--	--	--	6. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover	Species Name	Ind. Status	Stratum	% Cover																																																										
1. <i>Echinochloa crusgalli</i>	FACW	HERB	70	7. --	--	--	--																																																										
2. <i>Setaria faberi</i>	FACU+	HERB	30	8. --	--	--	--																																																										
3. --	--	--	--	9. --	--	--	--																																																										
4. --	--	--	--	10. --	--	--	--																																																										
5. --	--	--	--	11. --	--	--	--																																																										
6. --	--	--	--	12. --	--	--	--																																																										
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 50%																																																																	
Remarks: dominant is wet, subdominant is up, 70% of vegetation is wetland species. hydrophytic vegetation is dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other (Describe in Remarks) No Recorded Data Available					Wetland Hydrology Indicators: None Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks <input checked="" type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input checked="" type="checkbox"/> Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 20.5 (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is present.																																																																	
SOILS																																																																	
Map Unit Name: Peotone silty clay loam					Series Drainage Class: Very poorly drained																																																												
Taxonomy (Subgroup): Cumulic Vertic Endoaquolls					Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	13	A1	10YR 2/1	10YR 5/4	few faint	concretions present; moist, blocky, silty clay																																																											
13	21	A2	10YR 2/1	10YR 4/4	few faint	moist, blocky, silty clay																																																											
Hydric Soil Indicators ² :																																																																	
(A1) Histosol					(S4) Sandy Gleyed Matrix																																																												
(A2) Histic Epipedon					(S5) Sandy Redox																																																												
(A3) Black Histic					(S6) Stripped Matrix																																																												
(A4) Hydrogen Sulfide					(F1) Loamy Mucky Mineral																																																												
(A5) Stratified Layers					(F2) Loamy Gleyed Matrix																																																												
(A10) 2 cm Muck					(F3) Depleted Matrix																																																												
(A11) Depleted Below Dark Surface					<input checked="" type="checkbox"/> (F6) Redox Dark Surface																																																												
(A12) Thick Dark Surface					(F7) Depleted Dark Surface																																																												
(S1) Sandy Mucky Mineral					(F8) Redox Depressions																																																												
(S3) 5 cm Mucky Peat or Peat																																																																	
Indicators for Problematic Hydric Soils ¹ :																																																																	
(A16) Coast Prairie Redox																																																																	
(F12) Iron-Manganese Masses																																																																	
Other (Explain in Remarks)																																																																	
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																	
² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																	
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Teri Radke #2: Robyn West						Date: 09/10/08 County: Will State: Illinois Community ID: Upland Station ID: W12NE-5 Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)																																																																	
Remarks: Point in corn field south of wetland point. Crop is successful here																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. Zea mays</td> <td>UPL</td> <td>Herb</td> <td>80</td> </tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Zea mays	UPL	Herb	80	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Zea mays	UPL	Herb	80																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Corn is only species present Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)																																																																	
Remarks: Wetland hydrology is not present.																																																																	
SOILS																																																																	
Map Unit Name: Beecher silt loam Taxonomy (Subgroup): Udolic Epiaqualfs				Series Drainage Class: Somewhat poorly drained Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																													
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> <th style="text-align: left;">Horizon</th> <th style="text-align: left;">Matrix Color (Munsell Moist):</th> <th style="text-align: left;">Mottle Colors (Munsell Moist):</th> <th style="text-align: left;">Mottle Abundance/Contrast</th> <th style="text-align: left;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>5</td> <td>Ap</td> <td>10YR 4/1</td> <td>NA</td> <td>NA</td> <td>moist, friable, silty clay loam concretions color 10YR 4/6</td> </tr> <tr> <td>5</td> <td>7</td> <td>A1</td> <td>10YR 6/3</td> <td>10YR 5/6</td> <td>common</td> <td>moist, friable, silty clay</td> </tr> <tr> <td>7</td> <td>22</td> <td>B1</td> <td>10YR 6/3</td> <td>10YR 4/2</td> <td>common</td> <td>moist, friable, clay concretions color 10YR 2/2</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	5	Ap	10YR 4/1	NA	NA	moist, friable, silty clay loam concretions color 10YR 4/6	5	7	A1	10YR 6/3	10YR 5/6	common	moist, friable, silty clay	7	22	B1	10YR 6/3	10YR 4/2	common	moist, friable, clay concretions color 10YR 2/2																												
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	5	Ap	10YR 4/1	NA	NA	moist, friable, silty clay loam concretions color 10YR 4/6																																																											
5	7	A1	10YR 6/3	10YR 5/6	common	moist, friable, silty clay																																																											
7	22	B1	10YR 6/3	10YR 4/2	common	moist, friable, clay concretions color 10YR 2/2																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are not present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No				Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																													
Remarks: This plot is not located in wetland.																																																																	

Site: Inaugural South Suburban Airport
 Locale: W12NE6a
 Date: September 23, 2008 15 minutes
 By: AECOM: A.Amelse; R. West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W12NE6a.inv

FLORISTIC QUALITY DATA	Native	6	54.5%	Adventive	5	45.5%
6 NATIVE SPECIES	Tree	0	0.0%	Tree	1	9.1%
11 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
2.2 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
1.2 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
5.3 NATIVE FQI	P-Forb	4	36.4%	P-Forb	1	9.1%
3.9 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-1.2 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	0	0.0%
-0.1 W/Adventives	P-Grass	1	9.1%	P-Grass	2	18.2%
AVG: Faculative (+)	A-Grass	1	9.1%	A-Grass	1	9.1%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
DACGLO	0 DACTYLIS GLOMERATA	3 FACU	Ad P-Grass	ORCHARD GRASS
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
FESPRA	0 FESTUCA PRATENSIS	4 FACU-	Ad P-Grass	MEADOW FESCUE
GEUCAN	1 Geum canadense	0 FAC	Nt P-Forb	WOOD AVENS
JUNDUD	4 Juncus dudleyi	0 [FAC]	Nt P-Forb	DUDLEY'S RUSH
JUNTEN	0 Juncus tenuis	2 [FACU+]	Nt P-Forb	PATH RUSH
MORALB	0 MORUS ALBA	0 FAC	Ad Tree	WHITE MULBERRY
PANVIR	5 Panicum virgatum	-1 FAC+	Nt P-Grass	SWITCH GRASS
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/23/08 County: Will State: Illinois Community ID: PEM Station ID: W12NE-6a Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: small eroded drainage in grassed swale - possibly tile blowout area																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>10</td></tr> <tr><td>2. <i>Juncus tenuis</i></td><td>FAC</td><td>HERB</td><td>5</td></tr> <tr><td>3. <i>Panicum virgatum</i></td><td>FAC+</td><td>HERB</td><td>35</td></tr> <tr><td>4. <i>Festuca elatior</i></td><td>UPL</td><td>HERB</td><td>10</td></tr> <tr><td>5. <i>Dactylis glomerata</i></td><td>FACU</td><td>HERB</td><td>5</td></tr> <tr><td>6. <i>Morus alba</i></td><td>FAC</td><td>SHRUB</td><td>1</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Echinochloa crusgalli</i>	FACW	HERB	10	2. <i>Juncus tenuis</i>	FAC	HERB	5	3. <i>Panicum virgatum</i>	FAC+	HERB	35	4. <i>Festuca elatior</i>	UPL	HERB	10	5. <i>Dactylis glomerata</i>	FACU	HERB	5	6. <i>Morus alba</i>	FAC	SHRUB	1	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Echinochloa crusgalli</i>	FACW	HERB	10																																																														
2. <i>Juncus tenuis</i>	FAC	HERB	5																																																														
3. <i>Panicum virgatum</i>	FAC+	HERB	35																																																														
4. <i>Festuca elatior</i>	UPL	HERB	10																																																														
5. <i>Dactylis glomerata</i>	FACU	HERB	5																																																														
6. <i>Morus alba</i>	FAC	SHRUB	1																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%																																																																	
Remarks: Hydrophytic vegetation is dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available				Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1</td> <td>A</td> <td>10YR 2/1</td> <td>NA</td> <td>NA</td> <td>silt loam, moist, friable</td> </tr> <tr> <td>1</td> <td>13</td> <td>Bt1</td> <td>10YR 5/2</td> <td>10YR 5/6</td> <td>many distinct</td> <td>silty clay, moist, firm</td> </tr> <tr> <td>13</td> <td>21.5</td> <td>Bt2</td> <td>10YR 5/1</td> <td>10YR 4/6</td> <td>common distinct</td> <td>clay, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	1	A	10YR 2/1	NA	NA	silt loam, moist, friable	1	13	Bt1	10YR 5/2	10YR 5/6	many distinct	silty clay, moist, firm	13	21.5	Bt2	10YR 5/1	10YR 4/6	common distinct	clay, moist, firm																												
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	1	A	10YR 2/1	NA	NA	silt loam, moist, friable																																																											
1	13	Bt1	10YR 5/2	10YR 5/6	many distinct	silty clay, moist, firm																																																											
13	21.5	Bt2	10YR 5/1	10YR 4/6	common distinct	clay, moist, firm																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix <input checked="" type="checkbox"/> (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface <input checked="" type="checkbox"/> (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
_____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Remarks: This plot is located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/23/08 County: Will State: Illinois Community ID: Upland Station ID: W12NE-6a Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: small eroded drainage in grassed swale - possibly tile blowout area																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Festuca elatior</i></td><td>UPL</td><td>HERB</td><td>70</td></tr> <tr><td>2. <i>Dactylis glomerata</i></td><td>FACU</td><td>HERB</td><td>20</td></tr> <tr><td>3. <i>Panicum virgatum</i></td><td>FAC+</td><td>HERB</td><td>5</td></tr> <tr><td>4. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>5</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Festuca elatior</i>	UPL	HERB	70	2. <i>Dactylis glomerata</i>	FACU	HERB	20	3. <i>Panicum virgatum</i>	FAC+	HERB	5	4. <i>Daucus carota</i>	UPL	HERB	5	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Festuca elatior</i>	UPL	HERB	70																																																														
2. <i>Dactylis glomerata</i>	FACU	HERB	20																																																														
3. <i>Panicum virgatum</i>	FAC+	HERB	5																																																														
4. <i>Daucus carota</i>	UPL	HERB	5																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>10</td> <td>A</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>10</td> <td>20</td> <td>Bt1</td> <td>10YR 3/2</td> <td>10YR 4/6</td> <td>few faint</td> <td>clay, moist, firm</td> </tr> <tr> <td>20</td> <td>22</td> <td>Bt2</td> <td>10YR 4/2</td> <td>10YR 4/6</td> <td>common distinct</td> <td>clay, moist, very firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	10	A	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable	10	20	Bt1	10YR 3/2	10YR 4/6	few faint	clay, moist, firm	20	22	Bt2	10YR 4/2	10YR 4/6	common distinct	clay, moist, very firm																												
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	10	A	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable																																																											
10	20	Bt1	10YR 3/2	10YR 4/6	few faint	clay, moist, firm																																																											
20	22	Bt2	10YR 4/2	10YR 4/6	common distinct	clay, moist, very firm																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
1Indicators of hydrophytic vegetation and wetland hydrology must be present.						2Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are not present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? _____ Yes <input checked="" type="checkbox"/> No																																																													
Wetland Hydrology Present? _____ Yes <input checked="" type="checkbox"/> No				Is This Sampling Point Within A Wetland? _____ Yes <input checked="" type="checkbox"/> No																																																													
Remarks: This plot is not located in a wetland.																																																																	

Site: Inaugural South Suburban Airport
 Locale: W12NE6b
 Date: September 24, 2008 30 minutes
 By: AECOM: A. Amelse; M. Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W12NE6b.inv

FLORISTIC QUALITY DATA	Native	13	68.4%	Adventive	6	31.6%
13 NATIVE SPECIES	Tree	1	5.3%	Tree	0	0.0%
19 Total Species	Shrub	1	5.3%	Shrub	0	0.0%
2.4 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
1.6 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
8.6 NATIVE FQI	P-Forb	7	36.8%	P-Forb	1	5.3%
7.1 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.1 NATIVE MEAN W	A-Forb	1	5.3%	A-Forb	2	10.5%
-1.2 W/Adventives	P-Grass	1	5.3%	P-Grass	3	15.8%
AVG: Fac. Wetland (-)	A-Grass	2	10.5%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
APOCAN	4 Apocynum cannabinum	0 FAC	Nt P-Forb	INDIAN HEMP
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
DACGLO	0 DACTYLIS GLOMERATA	3 FACU	Ad P-Grass	ORCHARD GRASS
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
GEUCAN	1 Geum canadense	0 FAC	Nt P-Forb	WOOD AVENS
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
HORJUB	0 HORDEUM JUBATUM	-1 FAC+	Ad P-Grass	SQUIRREL-TAIL GRASS
JUNDUD	4 Juncus dudleyi	0 [FAC]	Nt P-Forb	DUDLEY'S RUSH
PANDII	0 Panicum dichotomiflorum	-2 FACW-	Nt A-Grass	KNEE GRASS
PHLPRA	0 PHLEUM PRATENSE	3 FACU	Ad P-Grass	TIMOTHY
POAPAS	9 Poa palustris	-4 FACW+	Nt P-Grass	MARSH BLUE GRASS
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SALDIS	2 Salix discolor	-3 FACW	Nt Shrub	PUSSY WILLOW
SALNIG	4 Salix nigra	-5 OBL	Nt Tree	BLACK WILLOW
SOLCAN	1 Solidago canadensis	3 FACU	Nt P-Forb	CANADA GOLDENROD
TYPANG	1 Typha angustifolia	-5 OBL	Nt P-Forb	NARROW-LEAVED CATTAIL
XANSTR	0 XANTHIUM STRUMARIUM	0 FAC	Ad A-Forb	COCKLEBUR

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth	Date: 09/24/08 County: Will State: Illinois Community ID: PSS Station ID: W12NE-6b Plot ID: S1
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	

Remarks: **Depressional area in a wide grassed swale**

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover	Species Name	Ind. Status	Stratum	% Cover
1. <i>Geum canadense</i>	FAC	HERB	15	7. <i>Dactylis glomerata</i>	FACU	HERB	10
2. <i>Salix discolor</i>	FACW	SHRUB	95	8. <i>Hordeum jubatum</i>	FAC+	HERB	10
3. <i>Solidago canadensis</i>	FACU	HERB	5	9. --	--	--	--
4. <i>Poa palustris</i>	FACW+	HERB	50	10. --	--	--	--
5. <i>Aster lateriflorus</i>	FACW-	HERB	5	11. --	--	--	--
6. <i>Phleum pratense</i>	FACU	HERB	5	12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **100%**

Remarks: **Hydrophytic vegetation is dominant.**

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test _____ Other (Explain in Remarks)
---	--

Remarks: **Wetland hydrology is present.**

Aerial photos used for NRCS slide review.

SOILS

Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes				Series Drainage Class: poorly drained			
Taxonomy (Subgroup): Typic Endoaquolls				Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Profile Description:							
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	
0	9	A	10YR 2/1	NA NA	NA NA	clay loam, moist, friable	
9	18	Ab	10YR 2/1	NA NA	NA NA	mucky silt loam, moist, friable	
18	21	Btg	10Y 5.5/1	10YR 5/6	many prominent	clay, moist, very firm	

Hydric Soil Indicators²:

- _____ (A1) Histosol
- _____ (A2) Histic Epipedon
- _____ (A3) Black Histic
- _____ (A4) Hydrogen Sulfide
- _____ (A5) Stratified Layers
- _____ (A10) 2 cm Muck
- _____ (A11) Depleted Below Dark Surface
- ☒ (A12) Thick Dark Surface
- _____ (S1) Sandy Mucky Mineral
- _____ (S3) 5 cm Mucky Peat or Peat

- _____ (S4) Sandy Gleyed Matrix
- _____ (S5) Sandy Redox
- _____ (S6) Stripped Matrix
- _____ (F1) Loamy Mucky Mineral
- _____ (F2) Loamy Gleyed Matrix
- _____ (F3) Depleted Matrix
- _____ (F6) Redox Dark Surface
- _____ (F7) Depleted Dark Surface
- _____ (F8) Redox Depressions

Indicators for Problematic Hydric Soils¹:

- _____ (A16) Coast Prairie Redox
- _____ (F12) Iron-Manganese Masses
- _____ Other (Explain in Remarks)

¹Indicators of hydrophytic vegetation and wetland hydrology must be present.

²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)

Remarks: **Hydric soils are present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Remarks: **This plot is located in a wetland.**

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth	Date: 09/24/08 County: Will State: Illinois Community ID: Upland Station ID: W12NE-6b Plot ID: S2
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	

Remarks: **Depressional area in a wide grassed swale**

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover	Species Name	Ind. Status	Stratum	% Cover
1. <i>Dactylis glomerata</i>	FACU	HERB	20	7. <i>Festuca elatior</i>	UPL	HERB	20
2. <i>Salix discolor</i>	FACW	SHRUB	5	8. --	--	--	--
3. <i>Solidago canadensis</i>	FACU	HERB	10	9. --	--	--	--
4. <i>Phleum pratense</i>	FACU	HERB	40	10. --	--	--	--
5. <i>Aster lateriflorus</i>	FACW-	HERB	5	11. --	--	--	--
6. <i>Hordeum jubatum</i>	FAC+	HERB	5	12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **2500%**

Remarks: **Hydrophytic vegetation is not dominant.**

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
---	--

Remarks: **Wetland hydrology is not present.**
 Aerial photos used for NRCS slide review.

SOILS

Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes				Series Drainage Class: poorly drained			
Taxonomy (Subgroup): Typic Endoaquolls				Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Profile Description:							
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	
0	7	A	10YR 4/3	NA NA	NA NA	clay, moist, friable	
7	14	B	2.5YR 4/3	10YR 4/6	many distinct	clay, moist, friable	
14	20	B2	2.5Y 4.5/1	10YR 4/4	many prominent	sandy clay loam, moist, friable	

Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)
--	---

¹Indicators of hydrophytic vegetation and wetland hydrology must be present.

²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)

Remarks: **Hydric soils are not present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---	---

Remarks: **This plot is not located in a wetland.**

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Teri Radke #2: Robyn West						Date: 09/10/08 County: Will State: Illinois Community ID: Upland Station ID: UW12NE-7 Plot ID: NA																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																								
Remarks: Tiled drainageway in low point in cropfield. Area dominated by upland vegetation																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"><u>Species Name</u></th> <th style="width: 10%;"><u>Ind. Status</u></th> <th style="width: 10%;"><u>Stratum</u></th> <th style="width: 10%;"><u>% Cover</u></th> <th style="width: 10%;"></th> <th style="width: 30%;"><u>Species Name</u></th> <th style="width: 10%;"><u>Ind. Status</u></th> <th style="width: 10%;"><u>Stratum</u></th> <th style="width: 10%;"><u>% Cover</u></th> </tr> </thead> <tbody> <tr> <td>1. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>--</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Solidago altissima</i></td> <td>FACU</td> <td>HERB</td> <td>--</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Festuca elatior</i></td> <td>FACU+</td> <td>HERB</td> <td>--</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Lactuca serriola</i></td> <td>FAC</td> <td>HERB</td> <td>--</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Dactylis glomerata</i></td> <td>FACU</td> <td>HERB</td> <td>--</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Cirsium arvense</i></td> <td>FACU</td> <td>HERB</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>		<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>	1. <i>Bromus inermis</i>	UPL	HERB	--		7. --	--	--	--	2. <i>Solidago altissima</i>	FACU	HERB	--		8. --	--	--	--	3. <i>Festuca elatior</i>	FACU+	HERB	--		9. --	--	--	--	4. <i>Lactuca serriola</i>	FAC	HERB	--		10. --	--	--	--	5. <i>Dactylis glomerata</i>	FACU	HERB	--		11. --	--	--	--	6. <i>Cirsium arvense</i>	FACU	HERB	--		12. --	--	--	--
<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>		<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>																																																																
1. <i>Bromus inermis</i>	UPL	HERB	--		7. --	--	--	--																																																																
2. <i>Solidago altissima</i>	FACU	HERB	--		8. --	--	--	--																																																																
3. <i>Festuca elatior</i>	FACU+	HERB	--		9. --	--	--	--																																																																
4. <i>Lactuca serriola</i>	FAC	HERB	--		10. --	--	--	--																																																																
5. <i>Dactylis glomerata</i>	FACU	HERB	--		11. --	--	--	--																																																																
6. <i>Cirsium arvense</i>	FACU	HERB	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 16%																																																																								
Remarks: Hydrophytic vegetation is not dominant. Cover percentages not recorded. Bromus inermis is dominant																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)																																																																								
Remarks: Wetland hydrology is not present. NRCS Slide Review																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam Taxonomy (Subgroup): Typic Endoaquolls					Series Drainage Class: Poorly drained Field Observations Confirm Mapped Type? no soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																																			
Profile Description: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Top</th> <th style="width: 10%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																								
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
Hydric Soil Indicators ² : <table style="width:100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 50%; vertical-align: top;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%; vertical-align: top;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> </tr> </tbody> </table>						_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																																							
						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																		
						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
Remarks: Hydric soils are mapped; soil core not collected																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? No soil core collected <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Remarks: This plot is not located in wetland. *Vegetation and hydrology do not meet wetland criteria; no soil core taken.																																																																								

Site: Inaugural South Suburban Airport
 Locale: W12NW1
 Date: September 23, 2008 30 minutes
 By: AECOM: A.Amelse; R. West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W12NW1.inv

FLORISTIC QUALITY DATA	Native	12	66.7%	Adventive	6	33.3%
12 NATIVE SPECIES	Tree	1	5.6%	Tree	0	0.0%
18 Total Species	Shrub	1	5.6%	Shrub	0	0.0%
2.3 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
1.6 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
8.1 NATIVE FQI	P-Forb	5	27.8%	P-Forb	2	11.1%
6.6 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.5 NATIVE MEAN W	A-Forb	2	11.1%	A-Forb	0	0.0%
-1.6 W/Adventives	P-Grass	1	5.6%	P-Grass	2	11.1%
AVG: Fac. Wetland (-)	A-Grass	2	11.1%	A-Grass	2	11.1%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
APOCAN	4 Apocynum cannabinum	0 FAC	Nt P-Forb	INDIAN HEMP
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
BIDCON	5 Bidens connata	-5 OBL	Nt A-Forb	PURPLE-STEMMED TICKSEED
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
HORJUB	0 HORDEUM JUBATUM	-1 FAC+	Ad P-Grass	SQUIRREL-TAIL GRASS
JUNTEN	0 Juncus tenuis	2 [FACU+]	Nt P-Forb	PATH RUSH
JUNTOR	4 Juncus torreyi	-3 FACW	Nt P-Forb	TORREY'S RUSH
PANDII	0 Panicum dichotomiflorum	-2 FACW-	Nt A-Grass	KNEE GRASS
PANVIR	5 Panicum virgatum	-1 FAC+	Nt P-Grass	SWITCH GRASS
PLAMAJ	0 PLANTAGO MAJOR	-1 FAC+	Ad P-Forb	COMMON PLANTAIN
POACOM	0 POA COMPRESSA	2 FACU+	Ad P-Grass	CANADA BLUE GRASS
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
SOLGIG	4 Solidago gigantea	-3 FACW	Nt P-Forb	LATE GOLDENROD

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport	Date: 09/23/08
Applicant/Owner: Illinois Department of Transportation	County: Will
Investigator #1: Ann Amelse #2: Robyn West	State: Illinois
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Community ID: PEM
Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Station ID: W12NW-1
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	Plot ID: S1

Remarks: **grassed low area next to soybean field**

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover	Species Name	Ind. Status	Stratum	% Cover
1. Aster lateriflorus	FACW-	HERB	30	7. --	--	--	--
2. <i>Poa compressa</i>	FACU+	HERB	10	8. --	--	--	--
3. Setaria glauca	FAC	HERB	25	9. --	--	--	--
4. <i>Juncus tenuis</i>	FAC	HERB	15	10. --	--	--	--
5. <i>Juncus sp</i>	Unknown	HERB	20	11. --	--	--	--
6. <i>Solidago gigantea</i>	FACW	HERB	5	12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **100%**

Remarks: **Hydrophytic vegetation is dominant.**

HYDROLOGY

<p><input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):</p> <p style="margin-left: 20px;"><input type="checkbox"/> Stream, Lake, Or Tide Gauge</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> Aerial Photos</p> <p style="margin-left: 20px;"><input type="checkbox"/> Other</p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p style="margin-left: 20px;"><input type="checkbox"/> None</p> <p>Primary Indicators:</p> <p style="margin-left: 20px;"><input type="checkbox"/> Inundated</p> <p style="margin-left: 20px;"><input type="checkbox"/> Saturated in Upper 12 Inches</p> <p style="margin-left: 20px;"><input type="checkbox"/> Water Marks</p> <p style="margin-left: 20px;"><input type="checkbox"/> Drift Lines</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> Sediment Deposits</p> <p style="margin-left: 20px;"><input type="checkbox"/> Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or More Required):</p> <p style="margin-left: 20px;"><input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> Water-Stained Leaves</p> <p style="margin-left: 20px;"><input type="checkbox"/> Local Soil Survey Data</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> FAC-Neutral Test</p> <p style="margin-left: 20px;"><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p style="margin-left: 40px;">Depth of Surface Water: NA (in.)</p> <p style="margin-left: 40px;">Depth to Free Water: NA (in.)</p> <p style="margin-left: 40px;">Depth to Saturated Soil: NA (in.)</p>	

Remarks: **Wetland hydrology is present.**

Aerial photos used for NRCS slide review.

SOILS

Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes	Series Drainage Class: poorly drained																																			
Taxonomy (Subgroup): Typic Endoaquolls	Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																			
Profile Description:																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>5</td> <td>A1</td> <td>N 2.5/0</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silt loam, moist, friable</td> </tr> <tr> <td>5</td> <td>8.5</td> <td>A2</td> <td>N 2.5/0</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>8.5</td> <td>12</td> <td>Bt</td> <td>2.5Y 4/1</td> <td>10YR 4/4</td> <td>common distinct</td> <td>clay, moist, firm</td> </tr> <tr> <td>12</td> <td>22</td> <td>Btg</td> <td>10Y 5.5/1</td> <td>10YR 5/6</td> <td>many prominent</td> <td>clay, moist, firm</td> </tr> </tbody> </table>	Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	5	A1	N 2.5/0	NA NA	NA NA	mucky silt loam, moist, friable	5	8.5	A2	N 2.5/0	NA NA	NA NA	silty clay loam, moist, friable	8.5	12	Bt	2.5Y 4/1	10YR 4/4	common distinct	clay, moist, firm	12	22	Btg	10Y 5.5/1	10YR 5/6	many prominent	clay, moist, firm	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																														
0	5	A1	N 2.5/0	NA NA	NA NA	mucky silt loam, moist, friable																														
5	8.5	A2	N 2.5/0	NA NA	NA NA	silty clay loam, moist, friable																														
8.5	12	Bt	2.5Y 4/1	10YR 4/4	common distinct	clay, moist, firm																														
12	22	Btg	10Y 5.5/1	10YR 5/6	many prominent	clay, moist, firm																														

Hydric Soil Indicators²:

Indicators for Problematic Hydric Soils¹:

- ☐ (A1) Histosol
- ☐ (A2) Histic Epipedon
- ☐ (A3) Black Histic
- ☐ (A4) Hydrogen Sulfide
- ☐ (A5) Stratified Layers
- ☐ (A10) 2 cm Muck
- ☒ (A11) Depleted Below Dark Surface
- ☐ (A12) Thick Dark Surface
- ☐ (S1) Sandy Mucky Mineral
- ☐ (S3) 5 cm Mucky Peat or Peat

- ☐ (S4) Sandy Gleyed Matrix
- ☐ (S5) Sandy Redox
- ☐ (S6) Stripped Matrix
- ☒ (F1) Loamy Mucky Mineral
- ☐ (F2) Loamy Gleyed Matrix
- ☐ (F3) Depleted Matrix
- ☐ (F6) Redox Dark Surface
- ☐ (F7) Depleted Dark Surface
- ☐ (F8) Redox Depressions

- ☐ (A16) Coast Prairie Redox
- ☐ (F12) Iron-Manganese Masses
- ☐ Other (Explain in Remarks)

¹Indicators of hydrophytic vegetation and wetland hydrology must be present.

²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)

Remarks: **Hydric soils are present.**

Organic accumulation in low area of Ashkum

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Remarks: **This plot is located in a wetland.**

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/23/08 County: Will State: Illinois Community ID: Upland Station ID: W12NW-1 Plot ID: S2																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks:																																																																		
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 30%;"></th> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Trifolium pratense</i></td> <td>FACU+</td> <td>HERB</td> <td>20</td> <td></td> <td>7. <i>Setaria faberi</i></td> <td>FACU+</td> <td>HERB</td> <td>10</td> </tr> <tr> <td>2. <i>Ambrosia artemisiifolia</i></td> <td>FACU</td> <td>HERB</td> <td>5</td> <td></td> <td>8. <i>Melilotus alba</i></td> <td>FACU</td> <td>HERB</td> <td>10</td> </tr> <tr> <td>3. <i>Dactylis glomerata</i></td> <td>FACU</td> <td>HERB</td> <td>20</td> <td></td> <td>9. <i>Cornus foemina</i></td> <td>FACW-</td> <td>SHRUB</td> <td>1</td> </tr> <tr> <td>4. <i>Agropyron repens</i></td> <td>FACU</td> <td>HERB</td> <td>20</td> <td></td> <td>10. <i>Acer saccharinum</i></td> <td>FACW</td> <td>TREE</td> <td>1</td> </tr> <tr> <td>5. <i>Daucus carota</i></td> <td>UPL</td> <td>HERB</td> <td>5</td> <td></td> <td>11. <i>Elaeagnus umbellata</i></td> <td>Unknown</td> <td>SHRUB</td> <td>1</td> </tr> <tr> <td>6. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>15</td> <td></td> <td>12. <i>Hibiscus syriacus</i></td> <td>Unknown</td> <td>SHRUB</td> <td>1</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Trifolium pratense</i>	FACU+	HERB	20		7. <i>Setaria faberi</i>	FACU+	HERB	10	2. <i>Ambrosia artemisiifolia</i>	FACU	HERB	5		8. <i>Melilotus alba</i>	FACU	HERB	10	3. <i>Dactylis glomerata</i>	FACU	HERB	20		9. <i>Cornus foemina</i>	FACW-	SHRUB	1	4. <i>Agropyron repens</i>	FACU	HERB	20		10. <i>Acer saccharinum</i>	FACW	TREE	1	5. <i>Daucus carota</i>	UPL	HERB	5		11. <i>Elaeagnus umbellata</i>	Unknown	SHRUB	1	6. <i>Bromus inermis</i>	UPL	HERB	15		12. <i>Hibiscus syriacus</i>	Unknown	SHRUB	1
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Trifolium pratense</i>	FACU+	HERB	20		7. <i>Setaria faberi</i>	FACU+	HERB	10																																																																
2. <i>Ambrosia artemisiifolia</i>	FACU	HERB	5		8. <i>Melilotus alba</i>	FACU	HERB	10																																																																
3. <i>Dactylis glomerata</i>	FACU	HERB	20		9. <i>Cornus foemina</i>	FACW-	SHRUB	1																																																																
4. <i>Agropyron repens</i>	FACU	HERB	20		10. <i>Acer saccharinum</i>	FACW	TREE	1																																																																
5. <i>Daucus carota</i>	UPL	HERB	5		11. <i>Elaeagnus umbellata</i>	Unknown	SHRUB	1																																																																
6. <i>Bromus inermis</i>	UPL	HERB	15		12. <i>Hibiscus syriacus</i>	Unknown	SHRUB	1																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 4000% Remarks: Hydrophytic vegetation is not dominant. Species with unknown indicator status were not used in percent dominance calculation.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																			
SOILS																																																																								
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th colspan="2">Matrix Color (Munsell Moist):</th> <th colspan="2">Mottle Colors (Munsell Moist):</th> <th colspan="2">Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>2</td> <td>A</td> <td>10YR</td> <td>2/1</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>silt loam, moist, friable</td> </tr> <tr> <td>2</td> <td>3</td> <td>C</td> <td>2.5Y</td> <td>3.5/2</td> <td>10YR</td> <td>4/6</td> <td>common</td> <td>prominent</td> <td>fill material clay, moist, firm</td> </tr> <tr> <td>3</td> <td>13</td> <td>Ab</td> <td>10YR</td> <td>2/1</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>sandstone fragments silt loam, moist, friable</td> </tr> <tr> <td>13</td> <td>18</td> <td>Bt1</td> <td>10YR</td> <td>4/2.5</td> <td>10YR</td> <td>5/8</td> <td>many</td> <td>prominent</td> <td>clay loam, moist, firm</td> </tr> <tr> <td>18</td> <td>20</td> <td>Bt2</td> <td>2.5Y</td> <td>5/2.5</td> <td>10Y</td> <td>5/1</td> <td>common</td> <td>prominent</td> <td>clay, moist, firm</td> </tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast		Texture, moisture, consistency, organic material, and other soil characteristics.	0	2	A	10YR	2/1	NA	NA	NA	NA	silt loam, moist, friable	2	3	C	2.5Y	3.5/2	10YR	4/6	common	prominent	fill material clay, moist, firm	3	13	Ab	10YR	2/1	NA	NA	NA	NA	sandstone fragments silt loam, moist, friable	13	18	Bt1	10YR	4/2.5	10YR	5/8	many	prominent	clay loam, moist, firm	18	20	Bt2	2.5Y	5/2.5	10Y	5/1	common	prominent	clay, moist, firm			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast		Texture, moisture, consistency, organic material, and other soil characteristics.																																																															
0	2	A	10YR	2/1	NA	NA	NA	NA	silt loam, moist, friable																																																															
2	3	C	2.5Y	3.5/2	10YR	4/6	common	prominent	fill material clay, moist, firm																																																															
3	13	Ab	10YR	2/1	NA	NA	NA	NA	sandstone fragments silt loam, moist, friable																																																															
13	18	Bt1	10YR	4/2.5	10YR	5/8	many	prominent	clay loam, moist, firm																																																															
18	20	Bt2	2.5Y	5/2.5	10Y	5/1	common	prominent	clay, moist, firm																																																															
<table style="width:100%;"> <tr> <td style="width: 33%; vertical-align: top;"> Hydric Soil Indicators²: <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </td> <td style="width: 33%; vertical-align: top;"> Indicators for Problematic Hydric Soils¹: <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </td> </tr> </table>										Hydric Soil Indicators ² : <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																												
Hydric Soil Indicators ² : <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																						
Remarks: Hydric soils are not present.																																																																								
WETLAND DETERMINATION																																																																								
<table style="width:100%;"> <tr> <td style="width: 33%;">Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td> <td style="width: 33%;">Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td> <td style="width: 33%;"></td> </tr> <tr> <td>Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td> <td>Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td> <td></td> </tr> </table>										Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																										
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																							
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																							
Remarks: This plot is not located in a wetland.																																																																								

Site: SSA Inaugural Delineation
 Locale: W12NW2
 Date: February 9, 2009 .5 hours
 By: AECOM: Ann Amelse (form completed by TAS)
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W12NW2.inv

FLORISTIC QUALITY DATA	Native	5	62.5%	Adventive	3	37.5%
5 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
8 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
3.4 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
2.1 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
7.6 NATIVE FQI	P-Forb	1	12.5%	P-Forb	1	12.5%
6.0 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.8 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	1	12.5%
-1.7 W/Adventives	P-Grass	2	25.0%	P-Grass	0	0.0%
AVG: Fac. Wetland	A-Grass	2	25.0%	A-Grass	1	12.5%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
AGRALP	10 Agrostis alba palustris	-5 [OBL]	Nt P-Grass	BENT GRASS
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
PANCAP	1 Panicum capillare	0 FAC	Nt A-Grass	OLD WITCH GRASS
PANVIR	5 Panicum virgatum	-1 FAC+	Nt P-Grass	SWITCH GRASS
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
TYPANG	1 Typha angustifolia	-5 OBL	Nt P-Forb	NARROW-LEAVED CATTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/23/08 County: Will State: Illinois Community ID: FW Station ID: W12NW-2 Plot ID: S2																																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																															
Remarks: photo to nw, low area with little vegetation, plowed in recent past but not planted, crop residue present																																																																															
VEGETATION																																																																															
Dominant Species (50/20 Rule)																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>1. <i>Rumex crispus</i></td><td>FAC+</td><td>HERB</td><td>2</td><td></td></tr> <tr><td>2. <i>Panicum capillare</i></td><td>FAC</td><td>HERB</td><td>2</td><td></td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		1. <i>Rumex crispus</i>	FAC+	HERB	2		2. <i>Panicum capillare</i>	FAC	HERB	2		3. --	--	--	--		4. --	--	--	--		5. --	--	--	--		6. --	--	--	--		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		7. --	--	--	--		8. --	--	--	--		9. --	--	--	--		10. --	--	--	--		11. --	--	--	--		12. --	--	--	--	
Species Name	Ind. Status	Stratum	% Cover																																																																												
1. <i>Rumex crispus</i>	FAC+	HERB	2																																																																												
2. <i>Panicum capillare</i>	FAC	HERB	2																																																																												
3. --	--	--	--																																																																												
4. --	--	--	--																																																																												
5. --	--	--	--																																																																												
6. --	--	--	--																																																																												
Species Name	Ind. Status	Stratum	% Cover																																																																												
7. --	--	--	--																																																																												
8. --	--	--	--																																																																												
9. --	--	--	--																																																																												
10. --	--	--	--																																																																												
11. --	--	--	--																																																																												
12. --	--	--	--																																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):					100%																																																																										
Remarks: Hydrophytic vegetation is dominant.																																																																															
HYDROLOGY																																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																																										
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)																																																																															
Remarks: Wetland hydrology is present. Area appears to have been inundated until very recently. Aerial photos used for NRCS slide review.																																																																															
SOILS																																																																															
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes					Series Drainage Class: poorly drained																																																																										
Taxonomy (Subgroup): Typic Endoaquolls					Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																										
Profile Description:																																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																									
0	11	Ap	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist, friable																																																																									
11	21	Bt	10YR 3/1	10YR 5/6	common distinct	silty clay, moist, very firm																																																																									
Hydric Soil Indicators ² :																																																																															
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat					<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																										
					Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																										
Remarks: Hydric soils are present. Organic accumulation in low area of Ashkum																																																																															
WETLAND DETERMINATION																																																																															
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																										
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																										
Remarks: This plot is located in a wetland.																																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport						Date: 09/23/08																																																																		
Applicant/Owner: Illinois Department of Transportation						County: Will																																																																		
Investigator #1: Ann Amelse #2: Robyn West						State: Illinois																																																																		
Do Normal Circumstances Exist On The Site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						Community ID: Upland																																																																		
Is The Site Significantly Disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Station ID: W12NW-2																																																																		
Is The Area A Potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If yes, define below.)						Plot ID: S1																																																																		
Remarks: photo to nw, low area with little vegetation, ploughed in recent past but not planted																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> <th style="width:30%;"></th> <th style="width:30%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Taraxacum officinale</i></td> <td>FACU</td> <td>HERB</td> <td>15</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Daucus carota</i></td> <td>UPL</td> <td>HERB</td> <td>5</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Cichorium intybus</i></td> <td>UPL</td> <td>HERB</td> <td>5</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Cerastium arvense</i></td> <td>FACU-</td> <td>HERB</td> <td>20</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Sonchus arvensis</i></td> <td>FAC-</td> <td>HERB</td> <td>15</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Poa compressa</i></td> <td>FACU+</td> <td>HERB</td> <td>10</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Taraxacum officinale</i>	FACU	HERB	15		7. --	--	--	--	2. <i>Daucus carota</i>	UPL	HERB	5		8. --	--	--	--	3. <i>Cichorium intybus</i>	UPL	HERB	5		9. --	--	--	--	4. <i>Cerastium arvense</i>	FACU-	HERB	20		10. --	--	--	--	5. <i>Sonchus arvensis</i>	FAC-	HERB	15		11. --	--	--	--	6. <i>Poa compressa</i>	FACU+	HERB	10		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Taraxacum officinale</i>	FACU	HERB	15		7. --	--	--	--																																																																
2. <i>Daucus carota</i>	UPL	HERB	5		8. --	--	--	--																																																																
3. <i>Cichorium intybus</i>	UPL	HERB	5		9. --	--	--	--																																																																
4. <i>Cerastium arvense</i>	FACU-	HERB	20		10. --	--	--	--																																																																
5. <i>Sonchus arvensis</i>	FAC-	HERB	15		11. --	--	--	--																																																																
6. <i>Poa compressa</i>	FACU+	HERB	10		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																								
Remarks: Hydrophytic vegetation is not dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																								
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																								
SOILS																																																																								
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained																																																																								
Taxonomy (Subgroup): Udollic Epiaqualfs Field Observations Confirm Mapped Type? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																																																								
Profile Description:																																																																								
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	9.5	A	10YR 2/2	NA NA	NA NA	silty clay loam, moist, friable																																																																		
9.5	18	Bt	2.5Y 4/3	10YR 4/4	common distinct	redox concretions sandy clay loam, moist, firm																																																																		
18	23	Btg	10Y 5/1	10YR 4/4	many prominent	clay, moist, firm																																																																		
Hydric Soil Indicators ² :																																																																								
<table style="width:100%;"> <tr> <td style="width:33%; vertical-align: top;"> (A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat </td> <td style="width:33%; vertical-align: top;"> (S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions </td> <td style="width:33%; vertical-align: top;"> (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks) </td> </tr> </table>										(A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat	(S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions	(A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)																																																												
(A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat	(S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions	(A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)																																																																						
<div style="display: flex; justify-content: space-between;"> <div> ¹Indicators of hydrophytic vegetation and wetland hydrology must be present. </div> <div> ²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006) </div> </div>																																																																								
Remarks: Hydric soils are not present.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																																																			
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					Is This Sampling Point Within A Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																																																																			
Remarks: This plot is not located in a wetland.																																																																								

Site: SSA Inaugural Delineation
 Locale: W12NW3
 Date: September 9, 2008 1 hours
 By: AECOM: T.Radke; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W12NW3.inv

FLORISTIC QUALITY DATA	Native	23	76.7%	Adventive	7	23.3%
23 NATIVE SPECIES	Tree	3	10.0%	Tree	0	0.0%
30 Total Species	Shrub	1	3.3%	Shrub	0	0.0%
2.4 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
1.8 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
11.5 NATIVE FQI	P-Forb	8	26.7%	P-Forb	2	6.7%
10.0 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.9 NATIVE MEAN W	A-Forb	1	3.3%	A-Forb	2	6.7%
-2.2 W/Adventives	P-Grass	1	3.3%	P-Grass	2	6.7%
AVG: Fac. Wetland	A-Grass	1	3.3%	A-Grass	1	3.3%
	P-Sedge	6	20.0%	P-Sedge	0	0.0%
	A-Sedge	1	3.3%	A-Sedge	0	0.0%
	Cryptogam	1	3.3%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACENEG	0 Acer negundo	-2 FACW-	Nt Tree	BOX ELDER
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
BIDCER	5 Bidens cernua	-5 OBL	Nt A-Forb	NODDING BUR MARIGOLD
CKVULP	2 Carex vulpinoidea	-5 OBL	Nt P-Sedge	BROWN FOX SEDGE
CORSTO	6 Cornus stolonifera	-3 FACW	Nt Shrub	RED-OSIER DOGWOOD
CYPESC	0 Cyperus esculentus	-1 [FAC+]	Nt P-Sedge	FIELD NUT SEDGE
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
ELEACI	2 Eleocharis acicularis	-5 OBL	Nt P-Sedge	NEEDLE SPIKE RUSH
ELEERY	2 Eleocharis erythropoda	-5 OBL	Nt P-Sedge	RED-ROOTED SPIKE RUSH
ELEOBT	3 Eleocharis obtusa	-5 OBL	Nt A-Sedge	BLUNT SPIKE RUSH
EQUARV	0 Equisetum arvense	0 FAC	Cryptogam	HORSETAIL
FRAPES	1 Fraxinus pennsylvanica subintegerrima	0 FAC	Nt Tree	GREEN ASH
HORJUB	0 HORDEUM JUBATUM	-1 FAC+	Ad P-Grass	SQUIRREL-TAIL GRASS
JUNDUD	4 Juncus dudleyi	0 [FAC]	Nt P-Forb	DUDLEY'S RUSH
JUNTOR	4 Juncus torreyi	-3 FACW	Nt P-Forb	TORREY'S RUSH
LEEORY	4 Leersia oryzoides	-5 OBL	Nt P-Grass	RICE CUT GRASS
PENSED	5 Penthorum sedoides	-5 OBL	Nt P-Forb	DITCH STONECROP
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
PRUVLA	0 Prunella vulgaris lanceolata	3 [FACU]	Nt P-Forb	SELF HEAL
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SCIATR	4 Scirpus atrovirens	-5 OBL	Nt P-Sedge	DARK GREEN RUSH
SCIVAC	5 Scirpus validus creber	-5 OBL	Nt P-Sedge	GREAT BULRUSH
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
SOLALT	1 Solidago altissima	3 FACU	Nt P-Forb	TALL GOLDENROD

TRIPRA	0 TRIFOLIUM PRATENSE	5 UPL	Ad P-Forb	RED CLOVER
TYPANG	1 Typha angustifolia	-5 OBL	Nt P-Forb	NARROW-LEAVED CATTAIL
TYPLAT	1 Typha latifolia	-5 OBL	Nt P-Forb	BROAD-LEAVED CATTAIL
XANSTR	0 XANTHIUM STRUMARIUM	0 FAC	Ad A-Forb	COCKLEBUR

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)														
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Teri Radke #2: Robyn West						Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: W12NW-3 Plot ID: S1								
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: mowed area near pond, poss. excavation spoil from adjacent pond construction tile outlet 60' south of upland point								
VEGETATION														
Dominant Species (50/20 Rule)														
<u>Species Name</u> 1. <i>Trifolium repens</i> 2. <i>Taraxacum officinale</i> 3. <i>Poa pratensis</i> 4. -- 5. -- 6. --	<u>Ind. Status</u> FACU+ FACU FAC- -- -- --	<u>Stratum</u> HERB HERB HERB -- -- --	<u>% Cover</u> 50 20 30 -- -- --		<u>Species Name</u> 7. -- 8. -- 9. -- 10. -- 11. -- 12. --	<u>Ind. Status</u> -- -- -- -- -- --	<u>Stratum</u> -- -- -- -- -- --	<u>% Cover</u> -- -- -- -- -- --						
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant. Mowed field														
HYDROLOGY														
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)									
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 17 (in.) Depth to Saturated Soil: NA (in.)														
Remarks: Wetland hydrology is not present.														
SOILS														
Map Unit Name: Beecher silt loam Taxonomy (Subgroup): Udolic Epiaqualfs					Series Drainage Class: Somewhat poorly drained Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Profile Description:														
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.								
0	16	A	10YR 2/1	NA NA	NA NA	root mat in upper 6 inches Silty clay loam, moist, friable								
16	18	A2	10YR 2/1	concretions 10YR 5/6	NA NA	Silty clay loam, moist, friable, more clay with concretions								
Hydric Soil Indicators ² :														
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat					<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions					<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)				
Indicators of hydrophytic vegetation and wetland hydrology must be present.														
² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)														
Remarks: Soils have characteristics of Ashkum but no redox features in upper 12" Hydric soils are not present														
WETLAND DETERMINATION														
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Remarks: This plot is not located in wetland.														

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Teri Radke #2: Robyn West						Date: 09/09/08 County: Will State: Illinois Community ID: POW/PEM Station ID: W12NW-3 Plot ID: S2																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																								
Remarks: Man-made pond in upland soil unit																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Species Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Ind. Status</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">% Cover</th> <th style="width: 20px;"></th> <th style="text-align: left; border-bottom: 1px solid black;">Species Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Ind. Status</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Salix exigua</i></td> <td>OBL</td> <td>SHRUB</td> <td>--</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Typha angustifolia</i></td> <td>OBL</td> <td>HERB</td> <td>--</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Echinochloa crusgalli</i></td> <td>FACW</td> <td>HERB</td> <td>--</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Eleocharis erythropoda</i></td> <td>OBL</td> <td>HERB</td> <td>--</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Polygonum persicaria</i></td> <td>FACW</td> <td>HERB</td> <td>--</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Bidens cernua</i></td> <td>OBL</td> <td>HERB</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Salix exigua</i>	OBL	SHRUB	--		7. --	--	--	--	2. <i>Typha angustifolia</i>	OBL	HERB	--		8. --	--	--	--	3. <i>Echinochloa crusgalli</i>	FACW	HERB	--		9. --	--	--	--	4. <i>Eleocharis erythropoda</i>	OBL	HERB	--		10. --	--	--	--	5. <i>Polygonum persicaria</i>	FACW	HERB	--		11. --	--	--	--	6. <i>Bidens cernua</i>	OBL	HERB	--		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Salix exigua</i>	OBL	SHRUB	--		7. --	--	--	--																																																																
2. <i>Typha angustifolia</i>	OBL	HERB	--		8. --	--	--	--																																																																
3. <i>Echinochloa crusgalli</i>	FACW	HERB	--		9. --	--	--	--																																																																
4. <i>Eleocharis erythropoda</i>	OBL	HERB	--		10. --	--	--	--																																																																
5. <i>Polygonum persicaria</i>	FACW	HERB	--		11. --	--	--	--																																																																
6. <i>Bidens cernua</i>	OBL	HERB	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%																																																																								
Remarks: Emergent fringe around excavated pond Hydrophytic vegetation is dominant. Cover percentages not estimated around the pond fringe.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: <input checked="" type="checkbox"/> Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: 10 (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																								
Remarks: Wetland hydrology is present. Excavated pond																																																																								
SOILS																																																																								
Map Unit Name: Beecher silt loam Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? No core taken Yes <input type="checkbox"/> No <input type="checkbox"/>																																																																								
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> <tr> <th style="text-align: center;">Depth</th> <th style="text-align: center;">Depth</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	Depth	Depth																																																						
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
Depth	Depth																																																																							
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																		
_____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
Remarks: Unable to collect wetland point as area is inundated. Hydric soils are assumed present.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Remarks: This plot is located in wetland. *Unable to collect soil core due to inundation.																																																																								

Site: SSA Inaugural Delineation
 Locale: W12NW4
 Date: September 9, 2008 1 hours
 By: AECOM: T.Radke; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W12NW4.inv

FLORISTIC QUALITY DATA	Native	8	66.7%	Adventive	4	33.3%
8 NATIVE SPECIES	Tree	1	8.3%	Tree	0	0.0%
12 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
1.9 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
1.3 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
5.3 NATIVE FQI	P-Forb	5	41.7%	P-Forb	1	8.3%
4.3 W/Adventives	B-Forb	0	0.0%	B-Forb	1	8.3%
-1.9 NATIVE MEAN W	A-Forb	1	8.3%	A-Forb	0	0.0%
0.2 W/Adventives	P-Grass	1	8.3%	P-Grass	2	16.7%
AVG: Fac. Wetland (-)	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ASTNOV	4 Aster novae-angliae	-3 FACW	Nt P-Forb	NEW ENGLAND ASTER
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
BROINE	0 BROMUS INERMIS	5 UPL	Ad P-Grass	HUNGARIAN BROME
CIRARV	0 CIRSIUM ARVENSE	5 UPL	Ad P-Forb	FIELD THISTLE
DAUCAR	0 DAUCUS CAROTA	5 UPL	Ad B-Forb	QUEEN ANNE'S LACE
FESELA	0 FESTUCA ELATIOR	2 FACU+	Ad P-Grass	TALL FESCUE
FRAPES	1 Fraxinus pennsylvanica subintegerrima	0 FAC	Nt Tree	GREEN ASH
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
PHYSUB	0 Physalis subglabrata	5 UPL	Nt P-Forb	TALL GROUND CHERRY
SPAPEC	4 Spartina pectinata	-4 FACW+	Nt P-Grass	PRAIRIE CORD GRASS
TYPLAT	1 Typha latifolia	-5 OBL	Nt P-Forb	BROAD-LEAVED CATTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Teri Radke #2: Robyn West						Date: 09/09/08 County: Will State: Illinois Community ID: Stream Station ID: W12NW-4 Plot ID: S1																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																								
Remarks: Point is in Section 12NW, area was called W01SW-4 in 1996, changed name to W12NW-4. Area is a tiled drainageway																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Species Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Ind. Status</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">% Cover</th> <th style="width: 20px;"></th> <th style="text-align: left; border-bottom: 1px solid black;">Species Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Ind. Status</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Helianthus grosseserratus</i></td> <td>FACW-</td> <td>HERB</td> <td>60</td> <td></td> <td>7. <i>Sambucus canadensis</i></td> <td>FACW-</td> <td>SHRUB</td> <td>25</td> </tr> <tr> <td>2. <i>Phalaris arundinacea</i></td> <td>FACW+</td> <td>HERB</td> <td>40</td> <td></td> <td>8. <i>Cornus stolonifera</i></td> <td>FACW</td> <td>SHRUB</td> <td>50</td> </tr> <tr> <td>3. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>40</td> <td></td> <td>9. <i>Sonchus uliginosa</i></td> <td>FAC-</td> <td>HERB</td> <td>10</td> </tr> <tr> <td>4. <i>Morus alba</i></td> <td>FAC</td> <td>shrub</td> <td>25</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Asclepias syriaca</i></td> <td>UPL</td> <td>HERB</td> <td>5</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Ambrosia trifida</i></td> <td>FAC+</td> <td>HERB</td> <td>10</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Helianthus grosseserratus</i>	FACW-	HERB	60		7. <i>Sambucus canadensis</i>	FACW-	SHRUB	25	2. <i>Phalaris arundinacea</i>	FACW+	HERB	40		8. <i>Cornus stolonifera</i>	FACW	SHRUB	50	3. <i>Bromus inermis</i>	UPL	HERB	40		9. <i>Sonchus uliginosa</i>	FAC-	HERB	10	4. <i>Morus alba</i>	FAC	shrub	25		10. --	--	--	--	5. <i>Asclepias syriaca</i>	UPL	HERB	5		11. --	--	--	--	6. <i>Ambrosia trifida</i>	FAC+	HERB	10		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Helianthus grosseserratus</i>	FACW-	HERB	60		7. <i>Sambucus canadensis</i>	FACW-	SHRUB	25																																																																
2. <i>Phalaris arundinacea</i>	FACW+	HERB	40		8. <i>Cornus stolonifera</i>	FACW	SHRUB	50																																																																
3. <i>Bromus inermis</i>	UPL	HERB	40		9. <i>Sonchus uliginosa</i>	FAC-	HERB	10																																																																
4. <i>Morus alba</i>	FAC	shrub	25		10. --	--	--	--																																																																
5. <i>Asclepias syriaca</i>	UPL	HERB	5		11. --	--	--	--																																																																
6. <i>Ambrosia trifida</i>	FAC+	HERB	10		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 83%																																																																								
Remarks: Vegetation is mosaic of up and wet species Hydrophytic vegetation is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test _____ Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)																																																																								
Remarks: Wetland hydrology is present.																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																								
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> <tr> <th style="text-align: center;">Depth</th> <th style="text-align: center;">Depth</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">13</td> <td style="text-align: center;">A</td> <td style="text-align: center;">10YR</td> <td style="text-align: center;">3/1</td> <td style="text-align: center;">NA NA NA NA</td> <td style="text-align: center;">silty clay loam, moist, friable</td> </tr> <tr> <td style="text-align: center;">13</td> <td style="text-align: center;">21</td> <td style="text-align: center;">B</td> <td style="text-align: center;">10YR</td> <td style="text-align: center;">5/2</td> <td style="text-align: center;">10YR 5/6 many prominent</td> <td style="text-align: center;">silty clay loam, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	Depth	Depth						0	13	A	10YR	3/1	NA NA NA NA	silty clay loam, moist, friable	13	21	B	10YR	5/2	10YR 5/6 many prominent	silty clay loam, moist, firm																																			
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
Depth	Depth																																																																							
0	13	A	10YR	3/1	NA NA NA NA	silty clay loam, moist, friable																																																																		
13	21	B	10YR	5/2	10YR 5/6 many prominent	silty clay loam, moist, firm																																																																		
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; vertical-align: top;"> Hydric Soil Indicators²: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 40%; vertical-align: top;"> Indicators for Problematic Hydric Soils¹: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) </td> </tr> </table>										Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																													
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																							
Remarks: Hydric soils are present.																																																																								
WETLAND DETERMINATION																																																																								
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No </td> <td style="width: 50%; vertical-align: top;"> Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No </td> </tr> </table>										Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																							
Remarks: This plot is located in wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Teri Radke #2: Robyn West						Date: 09/09/08 County: Will State: Illinois Community ID: Upland Station ID: W12NW-4 Plot ID: S2																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																								
Remarks: Upland-dominated veg next to tiled stream corridor Point is in Section 12NW, area was called W01SW-4 in 1996, changed name to W12NW-4																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>30</td> <td></td> <td>7. <i>Dactylis glomerata</i></td> <td>FACU</td> <td>HERB</td> <td>5</td> </tr> <tr> <td>2. <i>Cirsium arvense</i></td> <td>FACU</td> <td>HERB</td> <td>30</td> <td></td> <td>8. <i>Ambrosia trifida</i></td> <td>FAC+</td> <td>HERB</td> <td>5</td> </tr> <tr> <td>3. <i>Daucus carota</i></td> <td>UPL</td> <td>HERB</td> <td>20</td> <td></td> <td>9. <i>Asclepias syriaca</i></td> <td>UPL</td> <td>HERB</td> <td>2</td> </tr> <tr> <td>4. <i>Agropyron repens</i></td> <td>FACU</td> <td>HERB</td> <td>50</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Phleum pratense</i></td> <td>FACU</td> <td>HERB</td> <td>20</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Helianthus grosseserratus</i></td> <td>FACW-</td> <td>HERB</td> <td>10</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	30		7. <i>Dactylis glomerata</i>	FACU	HERB	5	2. <i>Cirsium arvense</i>	FACU	HERB	30		8. <i>Ambrosia trifida</i>	FAC+	HERB	5	3. <i>Daucus carota</i>	UPL	HERB	20		9. <i>Asclepias syriaca</i>	UPL	HERB	2	4. <i>Agropyron repens</i>	FACU	HERB	50		10. --	--	--	--	5. <i>Phleum pratense</i>	FACU	HERB	20		11. --	--	--	--	6. <i>Helianthus grosseserratus</i>	FACW-	HERB	10		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Bromus inermis</i>	UPL	HERB	30		7. <i>Dactylis glomerata</i>	FACU	HERB	5																																																																
2. <i>Cirsium arvense</i>	FACU	HERB	30		8. <i>Ambrosia trifida</i>	FAC+	HERB	5																																																																
3. <i>Daucus carota</i>	UPL	HERB	20		9. <i>Asclepias syriaca</i>	UPL	HERB	2																																																																
4. <i>Agropyron repens</i>	FACU	HERB	50		10. --	--	--	--																																																																
5. <i>Phleum pratense</i>	FACU	HERB	20		11. --	--	--	--																																																																
6. <i>Helianthus grosseserratus</i>	FACW-	HERB	10		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																								
HYDROLOGY																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 45%; vertical-align: top;"> <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available </div> </td> <td style="width: 55%; vertical-align: top;"> Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) </td> </tr> <tr> <td colspan="2" style="padding: 5px;"> Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.) </td> </tr> </table>										<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available </div>	Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)	Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)																																																												
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available </div>	Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																							
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)																																																																								
Remarks: Wetland hydrology is not present.																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>18</td> <td>A1</td> <td>10YR 3/1</td> <td>NA NA</td> <td>NA NA</td> <td>Silty clay loam, moist, friable</td> </tr> <tr> <td>18</td> <td>20</td> <td>A2</td> <td>10YR 3/1</td> <td>concretions 10YR 7/8</td> <td>few faint</td> <td>Silty clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	18	A1	10YR 3/1	NA NA	NA NA	Silty clay loam, moist, friable	18	20	A2	10YR 3/1	concretions 10YR 7/8	few faint	Silty clay loam, moist, friable																																										
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	18	A1	10YR 3/1	NA NA	NA NA	Silty clay loam, moist, friable																																																																		
18	20	A2	10YR 3/1	concretions 10YR 7/8	few faint	Silty clay loam, moist, friable																																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;"> Hydric Soil Indicators²: <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 40%;"> Indicators for Problematic Hydric Soils¹: <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </td> <td style="width: 20%;"> <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </td> </tr> </table> <p style="margin-top: 10px;"> ¹Indicators of hydrophytic vegetation and wetland hydrology must be present. ²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006) </p>										Hydric Soil Indicators ² : <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																												
Hydric Soil Indicators ² : <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																						
Remarks: Hydric soils are not present.																																																																								
WETLAND DETERMINATION																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;"> Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> <td style="width: 60%;"> Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> </table>										Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																							
Remarks: This plot is not located in wetland.																																																																								

Site: Inaugural South Suburban Airport
 Locale: W12NW5
 Date: September 23, 2008 1 hours
 By: AECOM: A. Amelse; R. West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W12NW5.inv

FLORISTIC QUALITY DATA	Native	15	71.4%	Adventive	6	28.6%
15 NATIVE SPECIES	Tree	3	14.3%	Tree	0	0.0%
21 Total Species	Shrub	2	9.5%	Shrub	0	0.0%
2.4 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
1.7 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
9.3 NATIVE FQI	P-Forb	4	19.0%	P-Forb	1	4.8%
7.9 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.9 NATIVE MEAN W	A-Forb	2	9.5%	A-Forb	1	4.8%
-2.0 W/Adventives	P-Grass	1	4.8%	P-Grass	4	19.0%
AVG: Fac. Wetland	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	2	9.5%	P-Sedge	0	0.0%
	A-Sedge	1	4.8%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACERUB	7 Acer rubrum	0 FAC	Nt Tree	RED MAPLE
AGRREP	0 AGROPYRON REPENS	3 FACU	Ad P-Grass	QUACK GRASS
AGRALA	0 AGROSTIS ALBA	-3 FACW	Ad P-Grass	REDTOP
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
CXCRIS	4 Carex cristatella	-4 FACW+	Nt P-Sedge	CRESTED OVAL SEDGE
CXVULP	2 Carex vulpinoidea	-5 OBL	Nt P-Sedge	BROWN FOX SEDGE
CORRAC	1 Cornus racemosa	-2 FACW-	Nt Shrub	GRAY DOGWOOD
CYPRIV	4 Cyperus rivularis	-4 FACW+	Nt A-Sedge	BROOK NUT SEDGE
GEUCAN	1 Geum canadense	0 FAC	Nt P-Forb	WOOD AVENS
HORJUB	0 HORDEUM JUBATUM	-1 FAC+	Ad P-Grass	SQUIRREL-TAIL GRASS
JUNTEN	0 Juncus tenuis	2 [FACU+]	Nt P-Forb	PATH RUSH
LEEORY	4 Leersia oryzoides	-5 OBL	Nt P-Grass	RICE CUT GRASS
POACOM	0 POA COMPRESSA	2 FACU+	Ad P-Grass	CANADA BLUE GRASS
POLHYR	2 Polygonum hydropiper	-3 FACW	Nt A-Forb	WATER PEPPER
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SALNIG	4 Salix nigra	-5 OBL	Nt Tree	BLACK WILLOW
TYPLAT	1 Typha latifolia	-5 OBL	Nt P-Forb	BROAD-LEAVED CATTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/23/08 County: Will State: Illinois Community ID: Wetland Complex Station ID: W12NW-5 Plot ID: S1																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Depression in cultivated field recieves drainage from field tile																																																																		
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Species Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Ind. Status</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">% Cover</th> <th style="width: 20px;"></th> <th style="text-align: left; border-bottom: 1px solid black;">Species Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Ind. Status</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Populus deltoides</i></td> <td>FAC+</td> <td>TREE</td> <td>5</td> <td></td> <td>7. <i>Poa compressa</i></td> <td>FACU+</td> <td>HERB</td> <td>15</td> </tr> <tr> <td>2. <i>Salix nigra</i></td> <td>OBL</td> <td>TREE</td> <td>15</td> <td></td> <td>8. <i>Carex vulpinoidea</i></td> <td>OBL</td> <td>HERB</td> <td>5</td> </tr> <tr> <td>3. <i>Ambrosia trifida</i></td> <td>FAC+</td> <td>HERB</td> <td>10</td> <td></td> <td>9. <i>Cornus foemina</i></td> <td>FACW-</td> <td>SHRUB</td> <td>5</td> </tr> <tr> <td>4. <i>Geum canadense</i></td> <td>FAC</td> <td>HERB</td> <td>5</td> <td></td> <td>10. <i>Solidago altissima</i></td> <td>FACU</td> <td>HERB</td> <td>5</td> </tr> <tr> <td>5. <i>Rumex crispus</i></td> <td>FAC+</td> <td>HERB</td> <td>5</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Polygonum hydropiper</i></td> <td>OBL</td> <td>HERB</td> <td>5</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Populus deltoides</i>	FAC+	TREE	5		7. <i>Poa compressa</i>	FACU+	HERB	15	2. <i>Salix nigra</i>	OBL	TREE	15		8. <i>Carex vulpinoidea</i>	OBL	HERB	5	3. <i>Ambrosia trifida</i>	FAC+	HERB	10		9. <i>Cornus foemina</i>	FACW-	SHRUB	5	4. <i>Geum canadense</i>	FAC	HERB	5		10. <i>Solidago altissima</i>	FACU	HERB	5	5. <i>Rumex crispus</i>	FAC+	HERB	5		11. --	--	--	--	6. <i>Polygonum hydropiper</i>	OBL	HERB	5		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Populus deltoides</i>	FAC+	TREE	5		7. <i>Poa compressa</i>	FACU+	HERB	15																																																																
2. <i>Salix nigra</i>	OBL	TREE	15		8. <i>Carex vulpinoidea</i>	OBL	HERB	5																																																																
3. <i>Ambrosia trifida</i>	FAC+	HERB	10		9. <i>Cornus foemina</i>	FACW-	SHRUB	5																																																																
4. <i>Geum canadense</i>	FAC	HERB	5		10. <i>Solidago altissima</i>	FACU	HERB	5																																																																
5. <i>Rumex crispus</i>	FAC+	HERB	5		11. --	--	--	--																																																																
6. <i>Polygonum hydropiper</i>	OBL	HERB	5		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 80% Remarks: Hydrophytic vegetation is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input checked="" type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)					Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																			
SOILS																																																																								
Map Unit Name: Ozaukee silt loam, 4 to 6 percent slopes, eroded Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th style="text-align: center;">Matrix Color</th> <th style="text-align: center;">Mottle Colors</th> <th style="text-align: center;">Mottle</th> <th style="text-align: center;">Texture, moisture, consistency, organic material,</th> </tr> <tr> <th style="text-align: center;">Depth</th> <th style="text-align: center;">Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">(Munsell Moist):</th> <th style="text-align: center;">(Munsell Moist):</th> <th style="text-align: center;">Abundance/Contrast</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">4</td> <td style="text-align: center;">A</td> <td style="text-align: center;">10YR 2/1</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">14</td> <td style="text-align: center;">Bt</td> <td style="text-align: center;">10YR 3/1</td> <td style="text-align: center;">10YR 3/3</td> <td style="text-align: center;">common distinct</td> </tr> <tr> <td style="text-align: center;">14</td> <td style="text-align: center;">22</td> <td style="text-align: center;">Btg</td> <td style="text-align: center;">10Y 5.5/1</td> <td style="text-align: center;">10YR 5/8</td> <td style="text-align: center;">many prominent</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Top	Bottom	Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,	Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	0	4	A	10YR 2/1	NA NA	NA NA	4	14	Bt	10YR 3/1	10YR 3/3	common distinct	14	22	Btg	10Y 5.5/1	10YR 5/8	many prominent																																	
Top	Bottom	Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,																																																																			
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast																																																																			
0	4	A	10YR 2/1	NA NA	NA NA																																																																			
4	14	Bt	10YR 3/1	10YR 3/3	common distinct																																																																			
14	22	Btg	10Y 5.5/1	10YR 5/8	many prominent																																																																			
Hydric Soil Indicators: <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat						<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																		
Indicators for Problematic Hydric Soils1: <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																								
1Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																								
Remarks: Hydric soils are present																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																					
Remarks: This plot is located in a wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/23/08 County: Will State: Illinois Community ID: Upland Station ID: W12NW-5 Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Cultivated field next to depression																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>80</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Glycine max</i>	UPL	HERB	80	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Glycine max</i>	UPL	HERB	80																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Ozaukee silt loam, 4 to 6 percent slopes, eroded Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>4</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silt loam, moist, friable</td> </tr> <tr> <td>4</td> <td>9</td> <td>A</td> <td>10YR 3/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, firm</td> </tr> <tr> <td>9</td> <td>14.5</td> <td>AB</td> <td>10YR 3/1</td> <td>10YR 4/4</td> <td>few distinct</td> <td>redox concretions, Bt horizon mixed in silty clay, moist, firm</td> </tr> <tr> <td>14.5</td> <td>20</td> <td>Bt</td> <td>2.5Y 4/1</td> <td>10YR 4/6</td> <td>many prominent</td> <td>silty clay, moist, firm</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	4	Ap	10YR 2/1	NA NA	NA NA	silt loam, moist, friable	4	9	A	10YR 3/1	NA NA	NA NA	silty clay loam, moist, firm	9	14.5	AB	10YR 3/1	10YR 4/4	few distinct	redox concretions, Bt horizon mixed in silty clay, moist, firm	14.5	20	Bt	2.5Y 4/1	10YR 4/6	many prominent	silty clay, moist, firm																					
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	4	Ap	10YR 2/1	NA NA	NA NA	silt loam, moist, friable																																																											
4	9	A	10YR 3/1	NA NA	NA NA	silty clay loam, moist, firm																																																											
9	14.5	AB	10YR 3/1	10YR 4/4	few distinct	redox concretions, Bt horizon mixed in silty clay, moist, firm																																																											
14.5	20	Bt	2.5Y 4/1	10YR 4/6	many prominent	silty clay, moist, firm																																																											
Hydric Soil Indicators ² : <table style="width:100%;"> <tr> <td><input type="checkbox"/> (A1) Histosol</td> <td><input type="checkbox"/> (S4) Sandy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A2) Histic Epipedon</td> <td><input type="checkbox"/> (S5) Sandy Redox</td> </tr> <tr> <td><input type="checkbox"/> (A3) Black Histic</td> <td><input type="checkbox"/> (S6) Stripped Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A4) Hydrogen Sulfide</td> <td><input type="checkbox"/> (F1) Loamy Mucky Mineral</td> </tr> <tr> <td><input type="checkbox"/> (A5) Stratified Layers</td> <td><input type="checkbox"/> (F2) Loamy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A10) 2 cm Muck</td> <td><input type="checkbox"/> (F3) Depleted Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A11) Depleted Below Dark Surface</td> <td><input type="checkbox"/> (F6) Redox Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (A12) Thick Dark Surface</td> <td><input type="checkbox"/> (F7) Depleted Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (S1) Sandy Mucky Mineral</td> <td><input type="checkbox"/> (F8) Redox Depressions</td> </tr> <tr> <td><input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat</td> <td></td> </tr> </table>						<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix	<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox	<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix	<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral	<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix	<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix	<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface	<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface	<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat		Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																							
<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix																																																																
<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox																																																																
<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix																																																																
<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral																																																																
<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix																																																																
<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix																																																																
<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface																																																																
<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface																																																																
<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions																																																																
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat																																																																	
Remarks: Hydric soils are not present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in a wetland.																																																																	

Site: Inaugural South Suburban Airport
 Locale: W12NW6
 Date: September 23, 2008 30 minutes
 By: AECOM: A.Amelse; R. West
 File: c:\FQA\studies\SSA\Wetlands2008\redone\W12NW6.inv

FLORISTIC QUALITY DATA	Native	12	63.2%	Adventive	7	36.8%
12 NATIVE SPECIES	Tree	1	5.3%	Tree	0	0.0%
19 Total Species	Shrub	2	10.5%	Shrub	0	0.0%
2.5 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
1.6 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
8.7 NATIVE FQI	P-Forb	2	10.5%	P-Forb	3	15.8%
6.9 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-3.7 NATIVE MEAN W	A-Forb	2	10.5%	A-Forb	1	5.3%
-1.8 W/Adventives	P-Grass	1	5.3%	P-Grass	1	5.3%
AVG: Fac. Wetland (+)	A-Grass	2	10.5%	A-Grass	2	10.5%
	P-Sedge	1	5.3%	P-Sedge	0	0.0%
	A-Sedge	1	5.3%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ANDGER	5 Andropogon gerardii	1 FAC-	Nt P-Grass	BIG BLUESTEM GRASS
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
BIDCON	5 Bidens connata	-5 OBL	Nt A-Forb	PURPLE-STEMMED TICKSEED
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
ELEOBT	3 Eleocharis obtusa	-5 OBL	Nt A-Sedge	BLUNT SPIKE RUSH
HIECAE	0 HIERACIUM CAESPITOSUM	5 UPL	Ad P-Forb	FIELD HAWKWEED
PANDII	0 Panicum dichotomiflorum	-2 FACW-	Nt A-Grass	KNEE GRASS
POACOM	0 POA COMPRESSA	2 FACU+	Ad P-Grass	CANADA BLUE GRASS
POLHYR	2 Polygonum hydropiper	-3 FACW	Nt A-Forb	WATER PEPPER
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SALDIS	2 Salix discolor	-3 FACW	Nt Shrub	PUSSY WILLOW
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SALNIG	4 Salix nigra	-5 OBL	Nt Tree	BLACK WILLOW
SCIATR	4 Scirpus atrovirens	-5 OBL	Nt P-Sedge	DARK GREEN RUSH
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
TRIHVB	0 TRIFOLIUM HYBRIDUM	1 FAC-	Ad P-Forb	ALSIKE CLOVER
TYPLAT	1 Typha latifolia	-5 OBL	Nt P-Forb	BROAD-LEAVED CATTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/23/08 County: Will State: Illinois Community ID: PEM Station ID: W12NW-6 Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Excavated pond (probably tile outlet pond)																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Aster lateriflorus</i></td><td>FACW-</td><td>HERB</td><td>5</td></tr> <tr><td>2. <i>Typha latifolia</i></td><td>OBL</td><td>HERB</td><td>5</td></tr> <tr><td>3. <i>Salix discolor</i></td><td>FACW</td><td>SHRUB</td><td>1</td></tr> <tr><td>4. <i>Panicum dichotomiflorum</i></td><td>FACW-</td><td>HERB</td><td>2</td></tr> <tr><td>5. <i>Poa compressa</i></td><td>FACU+</td><td>HERB</td><td>10</td></tr> <tr><td>6. <i>Trifolium hybridum</i></td><td>FAC-</td><td>HERB</td><td>5</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Aster lateriflorus</i>	FACW-	HERB	5	2. <i>Typha latifolia</i>	OBL	HERB	5	3. <i>Salix discolor</i>	FACW	SHRUB	1	4. <i>Panicum dichotomiflorum</i>	FACW-	HERB	2	5. <i>Poa compressa</i>	FACU+	HERB	10	6. <i>Trifolium hybridum</i>	FAC-	HERB	5	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Hieracium caespitosum</i></td><td>UPL</td><td>HERB</td><td>5</td></tr> <tr><td>8. <i>Eleocharis obtusa</i></td><td>OBL</td><td>HERB</td><td>10</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. <i>Hieracium caespitosum</i>	UPL	HERB	5	8. <i>Eleocharis obtusa</i>	OBL	HERB	10	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Aster lateriflorus</i>	FACW-	HERB	5																																																														
2. <i>Typha latifolia</i>	OBL	HERB	5																																																														
3. <i>Salix discolor</i>	FACW	SHRUB	1																																																														
4. <i>Panicum dichotomiflorum</i>	FACW-	HERB	2																																																														
5. <i>Poa compressa</i>	FACU+	HERB	10																																																														
6. <i>Trifolium hybridum</i>	FAC-	HERB	5																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Hieracium caespitosum</i>	UPL	HERB	5																																																														
8. <i>Eleocharis obtusa</i>	OBL	HERB	10																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 57%					Remarks: Hydrophytic vegetation is dominant.																																																												
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: None Primary Indicators: <input checked="" type="checkbox"/> Inundated Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: <u>3</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)					Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																												
SOILS																																																																	
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, eroder Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² : (A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : (S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)																																																											
Remarks: *No soil core was taken; hydric soils were assumed to exist because of the excavated/inundated conditions and the dominance of hydrophytic vegetation.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in a wetland. *No soil core was taken. Hydric soils were assumed to exist due to inundation and the dominance of hydrophytic vegetation																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 09/23/08 County: Will State: Illinois Community ID: Upland Station ID: W12NW-6 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks:																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Taraxacum officinale</i></td><td>FACU</td><td>HERB</td><td>10</td></tr> <tr><td>2. <i>Trifolium pratense</i></td><td>FACU+</td><td>HERB</td><td>5</td></tr> <tr><td>3. <i>Poa compressa</i></td><td>FACU+</td><td>HERB</td><td>70</td></tr> <tr><td>4. <i>Trifolium hybridum</i></td><td>FAC-</td><td>HERB</td><td>15</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Taraxacum officinale</i>	FACU	HERB	10	2. <i>Trifolium pratense</i>	FACU+	HERB	5	3. <i>Poa compressa</i>	FACU+	HERB	70	4. <i>Trifolium hybridum</i>	FAC-	HERB	15	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Taraxacum officinale</i>	FACU	HERB	10																																																														
2. <i>Trifolium pratense</i>	FACU+	HERB	5																																																														
3. <i>Poa compressa</i>	FACU+	HERB	70																																																														
4. <i>Trifolium hybridum</i>	FAC-	HERB	15																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																																											
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)																																																																	
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, eroder Series Drainage Class: Moderately well drained																																																																	
Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description:																																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Depth	Depth																																																																
0	4	A	10YR	2/1	NA	NA	NA	NA	silt loam, dry, friable																																																								
4	15	C1	10YR	4/3	10YR	4/4	common	distinct	redox concretions gravelly sandy clay, moist, firm																																																								
15	20	C2	2.5Y	4/3	10Y 7.5YR	5.5/1 4/6	few	distinct	redox concretions gravelly sandy clay, moist, firm																																																								
Hydric Soil Indicators ² :																																																																	
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat					<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																												
					<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																												
					¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																												
					² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																												
Remarks: Hydric soils are present. This plot is located next to an excavated tile outlet pond. This soil profile contains fill (above the native soil) that is likely sidecast from the excavation of the pond, so hydric features in this soil are likely relict and indicative of the hydrologic conditions of the source area.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in a wetland. This plot was located next to a tile outlet pond. Hydrology has been altered in this area by the installation of drain tiles (evidenced by historic aerial photos) and excavation of a tile outlet pond. Hydric soil indicators are found in fill material that was likely from the excavated pond area. Hydric soil indicators are likely indicative of historic conditions since hydrophytic vegetation is not dominant and no wetland hydrology is present.																																																																	

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth	Date: 09/24/08 County: Will State: Illinois Community ID: Upland Station ID: W12NW-7a Plot ID: NA
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	

Remarks: **Tiled drainagway between backyard and cropfield.**

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover
1. <i>Poa compressa</i>	FACU+	HERB	20		7. --	--	--	--
2. <i>Phalaris arundinacea</i>	FACW+	HERB	75		8. --	--	--	--
3. <i>Solidago canadensis</i>	FACU	HERB	5		9. --	--	--	--
4. --	--	--	--		10. --	--	--	--
5. --	--	--	--		11. --	--	--	--
6. --	--	--	--		12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **50%**

Remarks: **Hydrophytic vegetation is not dominant.**

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available	Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	

Remarks: **Wetland hydrology is not present.**

Aerial photos used for NRCS slide review.

SOILS

Map Unit Name: Ozaukee silt loam, 4 to 6 percent slopes, eroded Series Drainage Class: Moderately well drained									
Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Profile Description:									
Top	Bottom		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,			
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	and other soil characteristics.			
0	8	A	10YR 2.5/2	NA NA	NA NA	silt loam, moist, friable			
8	14.5	Bt1	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable			
14.5	21	Bt2	10YR 4/1	10YR 4/4	common prominent	clay, moist, firm			

Hydric Soil Indicators²:

Indicators for Problematic Hydric Soils¹:

- _____ (A1) Histosol
- _____ (A2) Histic Epipedon
- _____ (A3) Black Histic
- _____ (A4) Hydrogen Sulfide
- _____ (A5) Stratified Layers
- _____ (A10) 2 cm Muck
- _____ (A11) Depleted Below Dark Surface
- _____ (A12) Thick Dark Surface
- _____ (S1) Sandy Mucky Mineral
- _____ (S3) 5 cm Mucky Peat or Peat

- _____ (S4) Sandy Gleyed Matrix
- _____ (S5) Sandy Redox
- _____ (S6) Stripped Matrix
- _____ (F1) Loamy Mucky Mineral
- _____ (F2) Loamy Gleyed Matrix
- _____ (F3) Depleted Matrix
- _____ (F6) Redox Dark Surface
- _____ (F7) Depleted Dark Surface
- _____ (F8) Redox Depressions

- _____ (A16) Coast Prairie Redox
- _____ (F12) Iron-Manganese Masses
- _____ Other (Explain in Remarks)

¹Indicators of hydrophytic vegetation and wetland hydrology must be present.

²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)

Remarks: **Hydric soils are not present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Remarks: **This plot is not located in a wetland.**

Site: Inaugural South Suburban Airport
 Locale: W12NW7
 Date: September 24, 2008 30 minutes
 By: AECOM: A. Amelse; M. Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W12NW7.inv
 Notes: Includes W12NW 7, 7b & 7c.

FLORISTIC QUALITY DATA	Native	5	71.4%	Adventive	2	28.6%
5 NATIVE SPECIES	Tree	1	14.3%	Tree	0	0.0%
7 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
2.4 NATIVE MEAN C	W-Vine	1	14.3%	W-Vine	0	0.0%
1.7 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
5.4 NATIVE FQI	P-Forb	3	42.9%	P-Forb	1	14.3%
4.5 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.6 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	0	0.0%
-1.7 W/Adventives	P-Grass	0	0.0%	P-Grass	1	14.3%
AVG: Fac. Wetland	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
CIRARV	0 CIRSIUM ARVENSE	5 UPL	Ad P-Forb	FIELD THISTLE
CONSEP	1 Convolvulus sepium	0 FAC	Nt P-Forb	HEDGE BINDWEED
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
RHURAD	2 Rhus radicans	-1 FAC+	Nt W-Vine	POISON IVY
SALNIG	4 Salix nigra	-5 OBL	Nt Tree	BLACK WILLOW

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport						Date: 09/24/08																																																																		
Applicant/Owner: Illinois Department of Transportation						County: Will																																																																		
Investigator #1: Ann Amelse #2: Matt Hildreth						State: Illinois																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Community ID: PEM																																																																		
Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Station ID: W12NW-7b																																																																		
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Plot ID: S1																																																																		
Remarks: Small tiled drainageway in cultivated field																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> <th style="width:5%;"></th> <th style="width:5%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Phalaris arundinacea</i></td> <td>FACW+</td> <td>HERB</td> <td>100</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	100		7. --	--	--	--	2. --	--	--	--		8. --	--	--	--	3. --	--	--	--		9. --	--	--	--	4. --	--	--	--		10. --	--	--	--	5. --	--	--	--		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Phalaris arundinacea</i>	FACW+	HERB	100		7. --	--	--	--																																																																
2. --	--	--	--		8. --	--	--	--																																																																
3. --	--	--	--		9. --	--	--	--																																																																
4. --	--	--	--		10. --	--	--	--																																																																
5. --	--	--	--		11. --	--	--	--																																																																
6. --	--	--	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%																																																																								
Remarks: Hydrophytic vegetation is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input checked="" type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: 4 (in.)																																																																								
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																								
SOILS																																																																								
Map Unit Name: Ozaukee silt loam, 4 to 6 percent slopes, eroded Series Drainage Class: Moderately well drained																																																																								
Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																								
Profile Description:																																																																								
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	6.5	A1	10YR 2/2	NA NA	NA NA	oxidized rhizospheres silt loam, wet, friable																																																																		
6.5	9	A2	10YR 2/2	10YR 3/4	common distinct	silt loam, wet, friable																																																																		
9	13	Bt1	2.5Y 3/2	7YR 4/4	common distinct	oxidized rhizospheres silty clay loam, moist, friable																																																																		
13	21	Bt2	N 2.5/0	7.5YR 2.5/3	common distinct	concretions present silty clay, moist, firm																																																																		
Hydric Soil Indicators ² :						Indicators for Problematic Hydric Soils ¹ :																																																																		
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat						<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																		
						<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																		
						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
Remarks: Hydric soils are present. Organic accumulation in low area of Ozaukee soils																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Remarks: This plot is located in a wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)													
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 09/24/08 County: Will State: Illinois Community ID: Upland Station ID: W12NW-7b Plot ID: S2							
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Upland area in tiled drainageway in cultivated field.							
VEGETATION													
Dominant Species (50/20 Rule)													
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>									
1. <i>Festuca elatior</i> UPL HERB 30				7. -- -- -- --									
2. <i>Bromus inermis</i> UPL HERB 70				8. -- -- -- --									
3. -- -- -- --				9. -- -- -- --									
4. -- -- -- --				10. -- -- -- --									
5. -- -- -- --				11. -- -- -- --									
6. -- -- -- --				12. -- -- -- --									
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%													
Remarks: Hydrophytic vegetation is not dominant.													
HYDROLOGY													
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: Inundated Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)								
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)													
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.													
SOILS													
Map Unit Name: Ozaukee silt loam, 4 to 6 percent slopes, eroded Series Drainage Class: Moderately well drained													
Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
Profile Description:													
Top	Bottom		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material, and other soil characteristics.							
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast								
0	18	A1	10YR 3/2	NA NA	NA NA	roots common silt loam, moist, friable							
18	21	A2	10YR 3/2	5YR 4/6	few distinct								
						mottles few silt loam, moist, friable							
Hydric Soil Indicators ² :													
(A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat			(S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions			Indicators for Problematic Hydric Soils ¹ : (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks)							
(A10) 2 cm Muck (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat							(F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions			¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)			
Remarks: Hydric soils not present.													
WETLAND DETERMINATION													
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								
Remarks: This plot is not located in a wetland.													

Site: SSA Inaugural Delineation
 Locale: W12NW8
 Date: November 5, 2008 2 hours
 By: AECOM: T.Radke; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W12NW8.inv

FLORISTIC QUALITY DATA	Native	21	61.8%	Adventive	13	38.2%
21 NATIVE SPECIES	Tree	1	2.9%	Tree	0	0.0%
34 Total Species	Shrub	3	8.8%	Shrub	0	0.0%
1.5 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.9 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
7.0 NATIVE FQI	P-Forb	9	26.5%	P-Forb	5	14.7%
5.5 W/Adventives	B-Forb	0	0.0%	B-Forb	1	2.9%
-0.7 NATIVE MEAN W	A-Forb	3	8.8%	A-Forb	4	11.8%
0.1 W/Adventives	P-Grass	1	2.9%	P-Grass	2	5.9%
AVG: Faculative (+)	A-Grass	1	2.9%	A-Grass	1	2.9%
	P-Sedge	3	8.8%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0 ABUTILON THEOPHRASTII	4 FACU-	Ad A-Forb	VELVETLEAF
AMBARE	0 Ambrosia artemisiifolia elatior	3 FACU	Nt A-Forb	COMMON RAGWEED
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ASCSYR	0 Asclepias syriaca	5 UPL	Nt P-Forb	COMMON MILKWEED
ASTPIL	0 Aster pilosus	2 FACU+	Nt P-Forb	HAIRY ASTER
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
CXCRIS	4 Carex cristatella	-4 FACW+	Nt P-Sedge	CRESTED OVAL SEDGE
CHEALB	0 CHENOPODIUM ALBUM	1 FAC-	Ad A-Forb	LAMB'S QUARTERS
CIRARV	0 CIRSIUM ARVENSE	5 UPL	Ad P-Forb	FIELD THISTLE
CORRAC	1 Cornus racemosa	-2 FACW-	Nt Shrub	GRAY DOGWOOD
CYPESC	0 Cyperus esculentus	-1 [FAC+]	Nt P-Sedge	FIELD NUT SEDGE
DAUCAR	0 DAUCUS CAROTA	5 UPL	Ad B-Forb	QUEEN ANNE'S LACE
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
FESELA	0 FESTUCA ELATIOR	2 FACU+	Ad P-Grass	TALL FESCUE
FRAVIR	1 Fragaria virginiana	1 FAC-	Nt P-Forb	WILD STRAWBERRY
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
OXAEUR	0 Oxalis europaea	3 FACU	Nt P-Forb	TALL WOOD SORREL
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
PHYSUB	0 Physalis subglabrata	5 UPL	Nt P-Forb	TALL GROUND CHERRY
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
RUBALL	3 Rubus allegheniensis	2 FACU+	Nt Shrub	COMMON BLACKBERRY
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SALAMY	5 Salix amygdaloides	-3 FACW	Nt Tree	PEACH-LEAVED WILLOW
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SCIATR	4 Scirpus atrovirens	-5 OBL	Nt P-Sedge	DARK GREEN RUSH

SETGLA	0	SETARIA GLAUCA	0	FAC	Ad A-Grass	YELLOW FOXTAIL
SOLALT	1	Solidago altissima	3	FACU	Nt P-Forb	TALL GOLDENROD
SONULI	0	SONCHUS ULIGINOSUS	1	FAC-	Ad P-Forb	COMMON SOW THISTLE
SPAPEC	4	Spartina pectinata	-4	FACW+	Nt P-Grass	PRAIRIE CORD GRASS
TAROFF	0	TARAXACUM OFFICINALE	3	FACU	Ad P-Forb	COMMON DANDELION
TRIREF	0	TRIFOLIUM REPENS	2	FACU+	Ad P-Forb	WHITE CLOVER
VIOSOR	3	Viola sororia	1	FAC-	Nt P-Forb	COMMON BLUE VIOLET
XANSTR	0	XANTHIUM STRUMARIUM	0	FAC	Ad A-Forb	COCKLEBUR

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: R. West						Date: 11/05/08 County: Will State: Illinois Community ID: PEM Station ID: W12NW-8 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Tiled grassed waterway																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Setaria glauca</i></td><td>FAC</td><td>HERB</td><td>70</td></tr> <tr><td>2. <i>Trifolium pratense</i></td><td>FACU+</td><td>HERB</td><td>20</td></tr> <tr><td>3. <i>Helianthus grosseserratus</i></td><td>FACW-</td><td>HERB</td><td>5</td></tr> <tr><td>4. <i>Festuca elatior</i></td><td>UPL</td><td>HERB</td><td>20</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Setaria glauca</i>	FAC	HERB	70	2. <i>Trifolium pratense</i>	FACU+	HERB	20	3. <i>Helianthus grosseserratus</i>	FACW-	HERB	5	4. <i>Festuca elatior</i>	UPL	HERB	20	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Setaria glauca</i>	FAC	HERB	70																																																														
2. <i>Trifolium pratense</i>	FACU+	HERB	20																																																														
3. <i>Helianthus grosseserratus</i>	FACW-	HERB	5																																																														
4. <i>Festuca elatior</i>	UPL	HERB	20																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%																																																																	
Remarks: Hydrophytic vegetation is dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data _____ FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is present. NRCS ID and uncultivated area in crop field																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam						Series Drainage Class: Poorly drained																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? _____ Yes <input checked="" type="checkbox"/> No																																																											
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	9	A	2.5Y 3/1	NA NA	NA NA	Silty clay loam; moist, friable																																																											
9	20	B	2.5Y 4/1	2.5Y 5/6	common prominent	Gravelly, sandy clay; moist, firm																																																											
Hydric Soil Indicators ² :																																																																	
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat			_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions			Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																	
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																					
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R.West						Date: 11/05/08 County: Will State: Illinois Community ID: Upland Station ID: W12NW-8 Plot ID: S2																																																															
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)																																																																					
Remarks: Soybean field; vegetation parameter altered																																																																					
VEGETATION																																																																					
Dominant Species (50/20 Rule)																																																																					
<u>Species Name</u> <u>Ind.Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>																																																																	
1. Glycine max UPL HERB --				7. -- -- -- --																																																																	
2. -- -- -- --				8. -- -- -- --																																																																	
3. -- -- -- --				9. -- -- -- --																																																																	
4. -- -- -- --				10. -- -- -- --																																																																	
5. -- -- -- --				11. -- -- -- --																																																																	
6. -- -- -- --				12. -- -- -- --																																																																	
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																					
Remarks: Hydrophytic vegetation is not dominant.																																																																					
HYDROLOGY																																																																					
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																					
Remarks: Wetland hydrology is not present.																																																																					
SOILS																																																																					
Map Unit Name: Beecher silt loam Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																					
Profile Description: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top Depth</th> <th style="text-align: center;">Bottom Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th colspan="4" style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">13</td> <td style="text-align: center;">A</td> <td style="text-align: center;">10YR 3/3.5</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> <td colspan="4" style="text-align: center;">Loam; moist, friable</td> </tr> <tr> <td style="text-align: center;">13</td> <td style="text-align: center;">21</td> <td style="text-align: center;">B</td> <td style="text-align: center;">10YR 5/1</td> <td style="text-align: center;">10YR 3/1 10YR 5/6</td> <td style="text-align: center;">common prominent</td> <td colspan="4" style="text-align: center;">Silty clay loam; moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td colspan="4"> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td colspan="4"> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td colspan="4"> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.				0	13	A	10YR 3/3.5	NA NA	NA NA	Loam; moist, friable				13	21	B	10YR 5/1	10YR 3/1 10YR 5/6	common prominent	Silty clay loam; moist, friable																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																															
0	13	A	10YR 3/3.5	NA NA	NA NA	Loam; moist, friable																																																															
13	21	B	10YR 5/1	10YR 3/1 10YR 5/6	common prominent	Silty clay loam; moist, friable																																																															
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																															
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																															
Remarks: Hydric soils are not present.																																																																					
WETLAND DETERMINATION																																																																					
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																																
Remarks: This plot is not located in wetland.																																																																					

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R.West						Date: 11/05/08 County: Will State: Illinois Community ID: Upland Station ID: W12NW-9 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Grassed drainageaway; probably tiled																																																											
Remarks: Grassed drainageaway; probably tiled																																																																	
VEGETATION																																																																	
Dominant Species (50/ 20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind.Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Trifolium repens</i></td><td>FACU+</td><td>HERB</td><td>20</td></tr> <tr><td>2. <i>Festuca elatior</i></td><td>UPL</td><td>HERB</td><td>20</td></tr> <tr><td>3. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>20</td></tr> <tr><td>4. <i>Helianthus grosseserratus</i></td><td>FACW-</td><td>HERB</td><td>20</td></tr> <tr><td>5. <i>Setaria glauca</i></td><td>FAC</td><td>HERB</td><td>20</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind.Status	Stratum	% Cover	1. <i>Trifolium repens</i>	FACU+	HERB	20	2. <i>Festuca elatior</i>	UPL	HERB	20	3. <i>Daucus carota</i>	UPL	HERB	20	4. <i>Helianthus grosseserratus</i>	FACW-	HERB	20	5. <i>Setaria glauca</i>	FAC	HERB	20	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind.Status	Stratum	% Cover																																																														
1. <i>Trifolium repens</i>	FACU+	HERB	20																																																														
2. <i>Festuca elatior</i>	UPL	HERB	20																																																														
3. <i>Daucus carota</i>	UPL	HERB	20																																																														
4. <i>Helianthus grosseserratus</i>	FACW-	HERB	20																																																														
5. <i>Setaria glauca</i>	FAC	HERB	20																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):				40%																																																													
Remarks: Hydrophytic vegetation not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)				Remarks: Wetland hydrology is not present. Tiled grassed waterway.																																																													
Remarks: Wetland hydrology is not present. Tiled grassed waterway.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam				Series Drainage Class: Poorly drained																																																													
Taxonomy (Subgroup): Typic Endoaquolls				Field Observations Confirm Mapped Type? <input type="checkbox"/> * Yes <input type="checkbox"/> No																																																													
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² :																																																																	
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat				<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions				Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																									
Remarks: Hydric soils are mapped. *No soil core collected																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input type="checkbox"/> * Yes <input type="checkbox"/> No																																																													
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Remarks: Plot is not located in a wetland. *Vegetation and hydrology do not meet wetland criteria, so no soil core collected.																																																																	

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R.West	Date: 11/05/08 County: Will State: Illinois Community ID: Upland Station ID: W12NW-10 Plot ID: NA
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)	

Remarks: **Recently harvested soybean field; vegetation parameter altered**

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover
1. Glycine max	UPL	HERB	80		7. --	--	--	--
2. --	--	--	--		8. --	--	--	--
3. --	--	--	--		9. --	--	--	--
4. --	--	--	--		10. --	--	--	--
5. --	--	--	--		11. --	--	--	--
6. --	--	--	--		12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **0%**

Remarks: **Hydrophytic vegetation not dominant.**

HYDROLOGY

X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available	Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	

Remarks: **Wetland hydrology is not present. Point is on a rise in the field**

NRCS Slide Review

SOILS

Map Unit Name: Beecher silt loam	Series Drainage Class: Somewhat poorly drained																																											
Taxonomy (Subgroup): Udolic Epiaqualfs	Field Observations Confirm Mapped Type? _____	* Yes _____ No																																										
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																			
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																						

Hydric Soil Indicators²:

- | | |
|---|---|
| _____ (A1) Histosol
_____ (A2) Histic Epipedon
_____ (A3) Black Histic
_____ (A4) Hydrogen Sulfide
_____ (A5) Stratified Layers
_____ (A10) 2 cm Muck
_____ (A11) Depleted Below Dark Surface
_____ (A12) Thick Dark Surface
_____ (S1) Sandy Mucky Mineral
_____ (S3) 5 cm Mucky Peat or Peat | _____ (S4) Sandy Gleyed Matrix
_____ (S5) Sandy Redox
_____ (S6) Stripped Matrix
_____ (F1) Loamy Mucky Mineral
_____ (F2) Loamy Gleyed Matrix
_____ (F3) Depleted Matrix
_____ (F6) Redox Dark Surface
_____ (F7) Depleted Dark Surface
_____ (F8) Redox Depressions |
|---|---|

Indicators for Problematic Hydric Soils¹:

- _____ (A16) Coast Prairie Redox
 _____ (F12) Iron-Manganese Masses
 _____ Other (Explain in Remarks)

¹Indicators of hydrophytic vegetation and wetland hydrology must be present.

²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)

Remarks: **Non-hydric soils are mapped. *No soil core taken.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? _____ Yes _____ X No	Hydric Soils Present? _____ Yes _____ X No
Wetland Hydrology Present? _____ Yes _____ X No	Is This Sampling Point Within A Wetland? _____ Yes _____ X No

Remarks: **Plot is not in a wetland. *Vegetation and hydrology do not meet wetland criteria, so no soil core collected.**

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R.West						Date: 11/05/08 County: Will State: Illinois Community ID: Upland Station ID: W12NW-11 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Recently harvested soybean field; vegetation parameter altered																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>80</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	80	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	80																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Hydrophytic vegetation not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Point is on a rise in the field																																																																	
SOILS																																																																	
Map Unit Name: Beecher silt loam Taxonomy (Subgroup): Udolic Epiaqualfs				Series Drainage Class: somewhat poorly drained Field Observations Confirm Mapped Type? <input type="checkbox"/> * Yes <input type="checkbox"/> No																																																													
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="text-align: center;">Top Depth</th> <th style="text-align: center;">Bottom Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td><input type="checkbox"/> (A1) Histosol</td> <td><input type="checkbox"/> (S4) Sandy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A2) Histic Epipedon</td> <td><input type="checkbox"/> (S5) Sandy Redox</td> </tr> <tr> <td><input type="checkbox"/> (A3) Black Histic</td> <td><input type="checkbox"/> (S6) Stripped Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A4) Hydrogen Sulfide</td> <td><input type="checkbox"/> (F1) Loamy Mucky Mineral</td> </tr> <tr> <td><input type="checkbox"/> (A5) Stratified Layers</td> <td><input type="checkbox"/> (F2) Loamy Gleyed Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A10) 2 cm Muck</td> <td><input type="checkbox"/> (F3) Depleted Matrix</td> </tr> <tr> <td><input type="checkbox"/> (A11) Depleted Below Dark Surface</td> <td><input type="checkbox"/> (F6) Redox Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (A12) Thick Dark Surface</td> <td><input type="checkbox"/> (F7) Depleted Dark Surface</td> </tr> <tr> <td><input type="checkbox"/> (S1) Sandy Mucky Mineral</td> <td><input type="checkbox"/> (F8) Redox Depressions</td> </tr> <tr> <td><input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat</td> <td> </td> </tr> </table>						<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix	<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox	<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix	<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral	<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix	<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix	<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface	<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface	<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat		Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																							
<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix																																																																
<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox																																																																
<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix																																																																
<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral																																																																
<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix																																																																
<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix																																																																
<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface																																																																
<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface																																																																
<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions																																																																
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat																																																																	
						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Non-hydric soils are mapped. No soil core taken.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Remarks: Plot is not in a wetland. *Vegetation and hydrology to not meet wetland criteria, so no soil core collected.																																																																	

Site: SSA Inaugural Delineation
 Locale: W12NW12
 Date: November 5, 2008 1 hours
 By: AECOM: T.Radke; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\W12NW12.inv

FLORISTIC QUALITY DATA	Native	1	50.0%	Adventive	1	50.0%
1 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
2 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
4.0 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
2.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
4.0 NATIVE FQI	P-Forb	1	50.0%	P-Forb	0	0.0%
2.8 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-5.0 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	1	50.0%
0.0 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Obl. Wetland	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN
POLCOC	4 Polygonum coccineum	-5 OBL	Nt P-Forb	WATER HEARTSEASE

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)										
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: R. West						Date: 11/05/08 County: Will State: Illinois Community ID: PEM Station ID: W12NW-12 Plot ID: S1				
Do Normal Circumstances Exist On The Site? _____ Yes _____ <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? _____ Yes _____ <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Depression in soybean field.				
VEGETATION										
Dominant Species (50/20 Rule)										
	<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>
1.	<i>Glycine max</i>	UPL	HERB	25		7.	--	--	--	--
2.	<i>Polygonum amphibium</i>	OBL	HERB	75		8.	--	--	--	--
3.	--	--	--	--		9.	--	--	--	--
4.	--	--	--	--		10.	--	--	--	--
5.	--	--	--	--		11.	--	--	--	--
6.	--	--	--	--		12.	--	--	--	--
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%										
Remarks: Hydrophytic vegetation is dominant. Knotweed growing among sparse bean crop										
HYDROLOGY										
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input checked="" type="checkbox"/> Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks <input checked="" type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)					
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)										
Remarks: Wetland hydrology is present.										
NRCS ID; Deep tractor ruts in muddy depression										
SOILS										
Map Unit Name: Ashkum silty clay loam						Series Drainage Class: Poorly drained				
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? _____ <input checked="" type="checkbox"/> Yes _____ No				
Profile Description:										
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.				
Depth	Depth									
0	20	A	10YR 3/1	10YR 3/3	common faint	Silty clay; moist, blocky, very firm;				
Hydric Soil Indicators ² :										
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions					
Indicators for Problematic Hydric Soils ¹ :										
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses <input checked="" type="checkbox"/> Other (Explain in Remarks)					¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)					
Remarks: Hydric soils are present. Profile matches hydric Ashkum; dark color masks redox										
WETLAND DETERMINATION										
Hydrophytic Vegetation Present? _____ <input checked="" type="checkbox"/> Yes _____ No					Hydric Soils Present? _____ <input checked="" type="checkbox"/> Yes _____ No					
Wetland Hydrology Present? _____ <input checked="" type="checkbox"/> Yes _____ No					Is This Sampling Point Within A Wetland? _____ <input checked="" type="checkbox"/> Yes _____ No					
Remarks: This plot is located in a wetland.										

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R. West						Date: 11/05/08 County: Will State: Illinois Community ID: Upland Station ID: W12NW-12 Plot ID: S2																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Soybean field; vegetation parameter altered.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>80</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	80	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. Glycine max	UPL	HERB	80																																																												
2. --	--	--	--																																																												
3. --	--	--	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																															
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																										
Remarks: Wetland hydrology is not present. Crop is successful																																																															
SOILS																																																															
Map Unit Name: Ashkum silty clay loam Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ X Yes _____ No																																																															
Profile Description:																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Depth	Depth																																																														
0	14	A	10YR 2/1	NA NA	NA NA	Silty clay loam; moist, friable																																																									
14	20	B	10YR 3.5/1	10YR 2/1	common faint	Silty clay loam; moist, firm																																																									
Hydric Soil Indicators ² :																																																															
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ X (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																										
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ X Other (Explain in Remarks)					¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																										
Remarks: Hydric soils are present. Soil similar to wetland profile; and mapped hydric unit. Redox masked by dark colors.																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ X Yes _____ No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																										
Remarks: This plot is not located in wetland.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)										
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R.West						Date: 11/05/08 County: Will State: Illinois Community ID: Upland Station ID: W12NW-13 Plot ID: NA				
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Tiled, cropped drainageway; vegetation and hydrology parameters altered				
VEGETATION										
Dominant Species (50/20 Rule)										
	<u>Species Name</u>	<u>Ind.Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>
1.	Glycine max	UPL	HERB	80			7.	--	--	--
2.	--	--	--	--			8.	--	--	--
3.	--	--	--	--			9.	--	--	--
4.	--	--	--	--			10.	--	--	--
5.	--	--	--	--			11.	--	--	--
6.	--	--	--	--			12.	--	--	--
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%										
Remarks: Hydrophytic vegetation is not dominant. Harvested beanfield										
HYDROLOGY										
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input checked="" type="checkbox"/> Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)					
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. NRCS ID; crop successful;					
SOILS										
Map Unit Name: Ashkum silty clay loam					Series Drainage Class: Poorly drained					
Taxonomy (Subgroup): Typic Endoaquolls					Field Observations Confirm Mapped Type? No soil core collected _____ Yes _____ No					
Profile Description:										
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.				
Hydric Soil Indicators ² :										
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions					
Indicators for Problematic Hydric Soils ¹ :										
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)					¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)					
Remarks: Hydric soils are mapped. No soil core taken.										
WETLAND DETERMINATION										
Hydrophytic Vegetation Present? _____ Yes _____ X No					Hydric Soils Present? _____ * Yes _____ No					
Wetland Hydrology Present? _____ Yes _____ X No					Is This Sampling Point Within A Wetland? _____ Yes _____ X No					
Remarks: Plot is not in a wetland. *Vegetation and hydrology to not meet wetland criteria, so no soil core collected.										

Appendix E

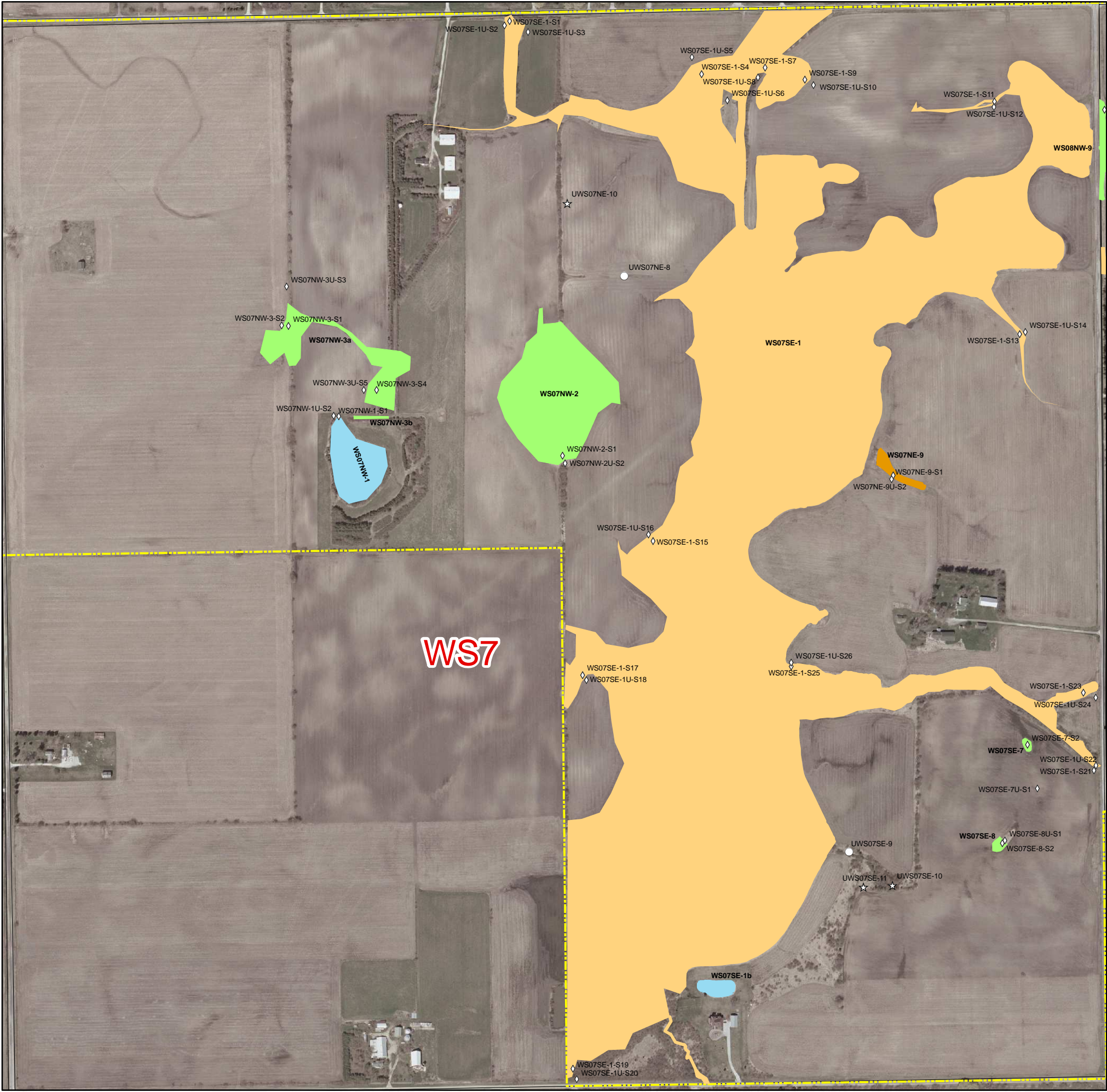
Section Washington 07

Area ID	Total Depth	Hydric Soil	Native FQI	Comments
UWS07NE-8	12	No	NA	
WS07NE-9-S1	22	Yes	1.1	
WS07NE-9U-S2	20	Yes		
UWS07NE-10	NA	NA	NA	Photo N
WS07NW-1-S1	21	Yes	7.0	Photo SE
WS07NW-1U-S2	20	No		
WS07NW-2-S1	22	Yes	8.1	Photo N
WS07NW-2U-S2	22	No		Photo N
WS07NW-3-S1	20	Yes	10.8	Photo S
WS07NW-3-S2	22	Yes		
WS07NW-3U-S3	22	No		
WS07NW-3-S4	20	Yes		Photo E
WS07NW-3U-S5	20	No		
WS07SE-1-S1	21	Yes	25.5	Photo S
WS07SE-1U-S2	20	No		
WS07SE-1U-S3	20	No		Photo S
WS07SE-1-S4	20	Yes		Photo W
WS07SE-1U-S5	22	No		
WS07SE-1U-S6	22	No		
WS07SE-1-S7	22	Yes		
WS07SE-1U-S8	22	No		
WS07SE-1-S9	22	Yes		
WS07SE-1U-S10	22	No		
WS07SE-1-S11	21	Yes		Photo W
WS07SE-1U-S12	20	No		
WS07SE-1-S13	21	Yes		Photo S
WS07SE-1U-S14	20	No		
WS07SE-1-S15	20	Yes		Photo S
WS07SE-1U-S16	23	No		
WS07SE-1-S17	23	Yes		
WS07SE-1U-S18	20	No		
WS07SE-1-S19	22	Yes		
WS07SE-1U-S20	20	Yes		
WS07SE-1-S21	0	Yes		
WS07SE-1U-S22	21	No		
WS07SE-1-S23	22	Yes		
WS07SE-1U-S24	21	No		
WS07SE-1-S25	21	Yes		No Field Form
WS07SE-1U-S26	22	Yes		No Field Form
WS07SE-7-S2	20	Yes	3.6	
WS07SE-7U-S1	20	No		

Appendix E
Section Washington 07

Area ID	Total Depth	Hydric Soil	Native FQI	Comments
WS07SE-8-S2	21	Yes	2.3	
WS07SE-8U-S1	22	Yes		
UWS07SE-9	16	No	NA	
UWS07SE-10	NA	NA	NA	Photo W
UWS07SE-11	NA	NA	NA	Photo SE

NA = not applicable



Legend

Wetland Type

PEM

PSS

PFO

PEM/PFO

PSS/PEM

PFO/PSS

POW

Stream

Wetland Complex

2008 Study Boundary

Sections

○ Upland Soil Cores

☆ Upland Photo Locations

◇ Wetland Soil Cores

N

EXHIBIT E-1N

Washington Township Section 7

2008 - 2009 FIELD INVESTIGATION RESULTS

South Suburban Airport

Illinois Department of Transportation

Division of Aeronautics

AECOM

02505001,0001,500

Feet

922

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/09/08 County: Will State: Illinois Community ID: Upland Station ID: WS07NE-8 Plot ID: S-1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Uncropped, linear area in middle of ag field with old field vegetation; gradient change---probable tile location NRCS slide review site.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Zea mays</i></td><td>UPL</td><td>HERB</td><td>5</td></tr> <tr><td>2. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>5</td></tr> <tr><td>3. <i>Setaria glauca</i></td><td>FAC</td><td>HERB</td><td>5</td></tr> <tr><td>4. <i>Ambrosia trifida</i></td><td>FAC+</td><td>HERB</td><td>5</td></tr> <tr><td>5. <i>Fragaria virginiana</i></td><td>FAC-</td><td>HERB</td><td>5</td></tr> <tr><td>6. <i>Abutilon theophrasti</i></td><td>FACU-</td><td>HERB</td><td>5</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Zea mays</i>	UPL	HERB	5	2. <i>Setaria faberi</i>	FACU+	HERB	5	3. <i>Setaria glauca</i>	FAC	HERB	5	4. <i>Ambrosia trifida</i>	FAC+	HERB	5	5. <i>Fragaria virginiana</i>	FAC-	HERB	5	6. <i>Abutilon theophrasti</i>	FACU-	HERB	5	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>5</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. <i>Echinochloa crusgalli</i>	FACW	HERB	5	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Zea mays</i>	UPL	HERB	5																																																														
2. <i>Setaria faberi</i>	FACU+	HERB	5																																																														
3. <i>Setaria glauca</i>	FAC	HERB	5																																																														
4. <i>Ambrosia trifida</i>	FAC+	HERB	5																																																														
5. <i>Fragaria virginiana</i>	FAC-	HERB	5																																																														
6. <i>Abutilon theophrasti</i>	FACU-	HERB	5																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Echinochloa crusgalli</i>	FACW	HERB	5																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 43% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>2</td> <td>Ap</td> <td>10YR 3/2</td> <td>NA</td> <td>NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>2</td> <td>12</td> <td>A</td> <td>10YR 3/1</td> <td>NA</td> <td>NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	2	Ap	10YR 3/2	NA	NA	silty clay loam, moist, friable	2	12	A	10YR 3/1	NA	NA	silty clay loam, moist, friable																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	2	Ap	10YR 3/2	NA	NA	silty clay loam, moist, friable																																																											
2	12	A	10YR 3/1	NA	NA	silty clay loam, moist, friable																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are not present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? _____ Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? _____ Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? _____ Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in wetland.																																																																	

Site: SSA Inaugural Delineation
 Locale: WS07NE9
 Date: October 16, 2008 1 hours
 By: AECOM: T.Radke; M.Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS07NE9.inv

FLORISTIC QUALITY DATA	Native	8	57.1%	Adventive	6	42.9%
8 NATIVE SPECIES	Tree	2	14.3%	Tree	1	7.1%
14 Total Species	Shrub	1	7.1%	Shrub	0	0.0%
0.4 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.2 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
1.1 NATIVE FQI	P-Forb	3	21.4%	P-Forb	0	0.0%
0.8 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
0.1 NATIVE MEAN W	A-Forb	1	7.1%	A-Forb	2	14.3%
0.2 W/Adventives	P-Grass	0	0.0%	P-Grass	1	7.1%
AVG: Faculative	A-Grass	1	7.1%	A-Grass	2	14.3%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0 ABUTILON THEOPHRASTII	4 FACU-	Ad A-Forb	VELVETLEAF
ACESAI	0 Acer saccharinum	-3 FACW	Nt Tree	SILVER MAPLE
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ASCSYR	0 Asclepias syriaca	5 UPL	Nt P-Forb	COMMON MILKWEED
ASTPIL	0 Aster pilosus	2 FACU+	Nt P-Forb	HAIRY ASTER
CHEALB	0 CHENOPODIUM ALBUM	1 FAC-	Ad A-Forb	LAMB'S QUARTERS
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
PRUSER	1 Prunus serotina	3 FACU	Nt Tree	WILD BLACK CHERRY
SALFRA	0 SALIX FRAGILIS	-1 FAC+	Ad Tree	CRACK WILLOW
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
SOLALT	1 Solidago altissima	3 FACU	Nt P-Forb	TALL GOLDENROD

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: M.Hildreth						Date: 10/16/08 County: Will State: Illinois Community ID: PEM/PSS Station ID: WS07NE-9 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Grassed tiled drainageway																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>90</td></tr> <tr><td>2. <i>Salix exigua</i></td><td>OBL</td><td>SHRUB</td><td>5</td></tr> <tr><td>3. <i>Salix fragilis</i></td><td>FAC+</td><td>TREE</td><td>10</td></tr> <tr><td>4. <i>Solidago altissima</i></td><td>UPL</td><td>HERB</td><td>10</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	90	2. <i>Salix exigua</i>	OBL	SHRUB	5	3. <i>Salix fragilis</i>	FAC+	TREE	10	4. <i>Solidago altissima</i>	UPL	HERB	10	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Phalaris arundinacea</i>	FACW+	HERB	90																																																														
2. <i>Salix exigua</i>	OBL	SHRUB	5																																																														
3. <i>Salix fragilis</i>	FAC+	TREE	10																																																														
4. <i>Solidago altissima</i>	UPL	HERB	10																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%																																																																	
Remarks: Hydrophytic vegetation is dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input checked="" type="checkbox"/> Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is present. Uncropped depression in crop field; NRCS ID																																																																	
SOILS																																																																	
Map Unit Name: Drummer silty clay loam				Series Drainage Class: Poorly drained																																																													
Taxonomy (Subgroup): Typic Endoaquolls				Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	11	A	10YR 2/1	NA NA	NA NA	Silty clay; moist, friable																																																											
11	22	B	5GY 6/1	7.5YR 6/8	common prominent	Clay; moist, firm; some organic streaking																																																											
Hydric Soil Indicators ² :																																																																	
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat			_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions			Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																	
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: M.Hildreth						Date: 10/16/08 County: Will State: Illinois Community ID: Upland Station ID: WS07NE-9 Plot ID: SC-2																																																											
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Corn field; vegetation parameter altered; tiled drainageway adjacent																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;"><i>Species Name</i></th> <th style="width:10%;"><i>Ind.Status</i></th> <th style="width:10%;"><i>Stratum</i></th> <th style="width:10%;"><i>% Cover</i></th> </tr> </thead> <tbody> <tr><td>1. Zea mays</td><td>UPL</td><td>HERB</td><td>80</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				<i>Species Name</i>	<i>Ind.Status</i>	<i>Stratum</i>	<i>% Cover</i>	1. Zea mays	UPL	HERB	80	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;"><i>Species Name</i></th> <th style="width:10%;"><i>Ind. Status</i></th> <th style="width:10%;"><i>Stratum</i></th> <th style="width:10%;"><i>% Cover</i></th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						<i>Species Name</i>	<i>Ind. Status</i>	<i>Stratum</i>	<i>% Cover</i>	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
<i>Species Name</i>	<i>Ind.Status</i>	<i>Stratum</i>	<i>% Cover</i>																																																														
1. Zea mays	UPL	HERB	80																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
<i>Species Name</i>	<i>Ind. Status</i>	<i>Stratum</i>	<i>% Cover</i>																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant. Successful corn crop																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: 20 (in.)				Remarks: Wetland hydrology is present.																																																													
SOILS																																																																	
Map Unit Name: Drummer silty clay loam Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width:5%;">Top Depth</th> <th style="width:5%;">Bottom Depth</th> <th style="width:5%;">Horizon</th> <th style="width:5%;">Matrix Color (Munsell Moist):</th> <th style="width:5%;">Mottle Colors (Munsell Moist):</th> <th style="width:5%;">Mottle Abundance/Contrast</th> <th style="width:50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>15</td> <td>A1</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>Silty clay loam; moist, friable</td> </tr> <tr> <td>15</td> <td>21</td> <td>Bt</td> <td>10YR 5/1</td> <td>10YR 5/6</td> <td>common distinct</td> <td>Clay; moist, firm; organic streaking</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	15	A1	10YR 2/1	NA NA	NA NA	Silty clay loam; moist, friable	15	21	Bt	10YR 5/1	10YR 5/6	common distinct	Clay; moist, firm; organic streaking																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	15	A1	10YR 2/1	NA NA	NA NA	Silty clay loam; moist, friable																																																											
15	21	Bt	10YR 5/1	10YR 5/6	common distinct	Clay; moist, firm; organic streaking																																																											
Hydric Soil Indicators ² : <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 30%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </div> <div style="width: 30%;"> <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </div> </div>						Indicators for Problematic Hydric Soils ¹ : <div style="text-align: right;"> ¹Indicators of hydrophytic vegetation and wetland hydrology must be present. ²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006) </div>																																																											
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Remarks: This plot is not located in wetland. Normal circumstances not present (vegetation altered).																																																																	

DATA FORM													
ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)													
Project/Site: Inaugural South Suburban Airport					Date: 10/09/08								
Applicant/Owner: Illinois Department of Transportation					County: Will								
Investigator #1: Sarah Johnson #2: Tory Schultz					State: Illinois								
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Community ID: Upland								
Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Station ID: WS07NE-10								
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Plot ID: NA								
(If yes, define below.)													
Remarks: Cultivated hillside in agricultural field.													
NRCS slide review site.													
VEGETATION													
Dominant Species (50/20 Rule)													
<u>Species Name</u>					<u>Species Name</u>								
<u>Ind. Status</u>					<u>Ind. Status</u>								
<u>Stratum</u>					<u>Stratum</u>								
<u>% Cover</u>					<u>% Cover</u>								
1. Glycine max UPL HERB 100					7. -- -- --								
2. -- -- --					8. -- -- --								
3. -- -- --					9. -- -- --								
4. -- -- --					10. -- -- --								
5. -- -- --					11. -- -- --								
6. -- -- --					12. -- -- --								
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%													
Remarks: Hydrophytic vegetation is not dominant.													
Crop is successful, shows no sign of stress													
HYDROLOGY													
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):					Wetland Hydrology Indicators:								
<input type="checkbox"/> Stream, Lake, Or Tide Gauge					<input checked="" type="checkbox"/> None								
<input checked="" type="checkbox"/> Aerial Photos					Primary Indicators:								
<input type="checkbox"/> Other (Describe in Remarks)					<input type="checkbox"/> Inundated								
<input type="checkbox"/> No Recorded Data Available					<input type="checkbox"/> Saturated in Upper 12 Inches								
					<input type="checkbox"/> Water Marks								
					<input type="checkbox"/> Drift Lines								
					<input type="checkbox"/> Sediment Deposits								
					<input type="checkbox"/> Drainage Patterns in Wetlands								
					Secondary Indicators (2 or More Required):								
					<input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches								
					<input type="checkbox"/> Water-Stained Leaves								
					<input type="checkbox"/> Local Soil Survey Data								
					<input type="checkbox"/> FAC-Neutral Test								
					<input type="checkbox"/> Other (Explain in Remarks)								
Field Observations:													
Depth of Surface Water: NA (in.)													
Depth to Free Water: NA (in.)													
Depth to Saturated Soil: NA (in.)													
Remarks: Wetland hydrology is not present.													
NRCS Slide Review													
SOILS													
Map Unit Name: Ozaukee silt loam, 6 to 12 percent slopes, severely eroded Series Drainage Class: Moderately well drained													
Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>													
Profile Description:													
Top		Bottom		Matrix Color		Mottle Colors		Mottle		Texture, moisture, consistency, organic material,			
Depth		Depth		Horizon		(Munsell Moist):		(Munsell Moist):		Abundance/Contrast		and other soil characteristics.	
Hydric Soil Indicators ² :													Indicators for Problematic Hydric Soils ¹ :
<input type="checkbox"/> (A1) Histosol													<input type="checkbox"/> (S4) Sandy Gleyed Matrix
<input type="checkbox"/> (A2) Histic Epipedon													<input type="checkbox"/> (S5) Sandy Redox
<input type="checkbox"/> (A3) Black Histic													<input type="checkbox"/> (S6) Stripped Matrix
<input type="checkbox"/> (A4) Hydrogen Sulfide													<input type="checkbox"/> (F1) Loamy Mucky Mineral
<input type="checkbox"/> (A5) Stratified Layers													<input type="checkbox"/> (F2) Loamy Gleyed Matrix
<input type="checkbox"/> (A10) 2 cm Muck													<input type="checkbox"/> (F3) Depleted Matrix
<input type="checkbox"/> (A11) Depleted Below Dark Surface													<input type="checkbox"/> (F6) Redox Dark Surface
<input type="checkbox"/> (A12) Thick Dark Surface													<input type="checkbox"/> (F7) Depleted Dark Surface
<input type="checkbox"/> (S1) Sandy Mucky Mineral													<input type="checkbox"/> (F8) Redox Depressions
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat													
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.													
² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)													
Remarks: Upland soils are mapped. Successful crop and no sign of wetland hydrology.													
WETLAND DETERMINATION													
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
Hydric Soils Present? No soil core collected <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
Remarks: This plot is not located in wetland. *No soil core collected.													

Site: Inaugural South Suburban Airport
 Locale: WS07NW1
 Date: October 8, 2008 1 hours
 By: AECOM: S. Johnson; T. Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS07NW1.inv

FLORISTIC QUALITY DATA	Native	16	66.7%	Adventive	8	33.3%
16 NATIVE SPECIES	Tree	3	12.5%	Tree	2	8.3%
24 Total Species	Shrub	2	8.3%	Shrub	2	8.3%
1.8 NATIVE MEAN C	W-Vine	2	8.3%	W-Vine	1	4.2%
1.2 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
7.0 NATIVE FQI	P-Forb	5	20.8%	P-Forb	0	0.0%
5.7 W/Adventives	B-Forb	0	0.0%	B-Forb	1	4.2%
-1.1 NATIVE MEAN W	A-Forb	3	12.5%	A-Forb	0	0.0%
-0.1 W/Adventives	P-Grass	0	0.0%	P-Grass	2	8.3%
AVG: Faculative (+)	A-Grass	1	4.2%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACENEG	0 Acer negundo	-2 FACW-	Nt Tree	BOX ELDER
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
APOCAN	4 Apocynum cannabinum	0 FAC	Nt P-Forb	INDIAN HEMP
ASCSYR	0 Asclepias syriaca	5 UPL	Nt P-Forb	COMMON MILKWEED
ASTPIL	0 Aster pilosus	2 FACU+	Nt P-Forb	HAIRY ASTER
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
BIDCON	5 Bidens connata	-5 OBL	Nt A-Forb	PURPLE-STEMMED TICKSEED
BROINE	0 BROMUS INERMIS	5 UPL	Ad P-Grass	HUNGARIAN BROME
DAUCAR	0 DAUCUS CAROTA	5 UPL	Ad B-Forb	QUEEN ANNE'S LACE
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
ELAUMB	0 ELAEAGNUS UMBELLATA	5 UPL	Ad Shrub	AUTUMN OLIVE
LONTAT	0 LONICERA TATARICA	5 [UPL]	Ad Shrub	TARTARIAN HONEYSUCKLE
MORALB	0 MORUS ALBA	0 FAC	Ad Tree	WHITE MULBERRY
PARQUI	2 Parthenocissus quinquefolia	1 FAC-	Nt W-Vine	VIRGINIA CREEPER
PENSED	5 Penthorum sedoides	-5 OBL	Nt P-Forb	DITCH STONECROP
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
PRUSER	1 Prunus serotina	3 FACU	Nt Tree	WILD BLACK CHERRY
RUBIDS	3 Rubus idaeus strigosus	4 FACU-	Nt Shrub	RED RASPBERRY
SALFRA	0 SALIX FRAGILIS	-1 FAC+	Ad Tree	CRACK WILLOW
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SOLDUL	0 SOLANUM DULCAMARA	0 FAC	Ad W-Vine	BITTERSWEET NIGHTSHADE
VITRIP	2 Vitis riparia	-2 FACW-	Nt W-Vine	RIVERBANK GRAPE

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/08/08 County: Will State: Illinois Community ID: POW Station ID: WS07NW-1 Plot ID: S1																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Excavated pond.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Asclepias syriaca</i></td><td>UPL</td><td>HERB</td><td>7</td></tr> <tr><td>2. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>25</td></tr> <tr><td>3. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>7</td></tr> <tr><td>4. <i>Bidens connata</i></td><td>OBL</td><td>HERB</td><td>10</td></tr> <tr><td>5. <i>Polygonum pennsylvanicum</i></td><td>FACW+</td><td>HERB</td><td>5</td></tr> <tr><td>6. <i>Aster simplex</i></td><td>FACW</td><td>HERB</td><td>10</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Asclepias syriaca</i>	UPL	HERB	7	2. <i>Phalaris arundinacea</i>	FACW+	HERB	25	3. <i>Echinochloa crusgalli</i>	FACW	HERB	7	4. <i>Bidens connata</i>	OBL	HERB	10	5. <i>Polygonum pennsylvanicum</i>	FACW+	HERB	5	6. <i>Aster simplex</i>	FACW	HERB	10	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>10</td></tr> <tr><td>8. <i>Ambrosia trifida</i></td><td>FAC+</td><td>HERB</td><td>5</td></tr> <tr><td>9. <i>Penthorum sedoides</i></td><td>OBL</td><td>HERB</td><td>5</td></tr> <tr><td>10. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>5</td></tr> <tr><td>11. <i>*Taxodium distichum</i></td><td>OBL</td><td>TREE</td><td>5</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. <i>Bromus inermis</i>	UPL	HERB	10	8. <i>Ambrosia trifida</i>	FAC+	HERB	5	9. <i>Penthorum sedoides</i>	OBL	HERB	5	10. <i>Daucus carota</i>	UPL	HERB	5	11. <i>*Taxodium distichum</i>	OBL	TREE	5	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Asclepias syriaca</i>	UPL	HERB	7																																																												
2. <i>Phalaris arundinacea</i>	FACW+	HERB	25																																																												
3. <i>Echinochloa crusgalli</i>	FACW	HERB	7																																																												
4. <i>Bidens connata</i>	OBL	HERB	10																																																												
5. <i>Polygonum pennsylvanicum</i>	FACW+	HERB	5																																																												
6. <i>Aster simplex</i>	FACW	HERB	10																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. <i>Bromus inermis</i>	UPL	HERB	10																																																												
8. <i>Ambrosia trifida</i>	FAC+	HERB	5																																																												
9. <i>Penthorum sedoides</i>	OBL	HERB	5																																																												
10. <i>Daucus carota</i>	UPL	HERB	5																																																												
11. <i>*Taxodium distichum</i>	OBL	TREE	5																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 80% Remarks: Hydrophytic vegetation is dominant. *Trees planted																																																															
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, Or Tide Gauge <input type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																											
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 17 (in.) Depth to Saturated Soil: 19 (in.)				Remarks: Wetland hydrology is present. NRCS Slide Review																																																											
SOILS																																																															
Map Unit Name: Ozaukee silt loam, 4 to 6 percent slopes, eroded Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																															
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA</td> <td>NA</td> <td>mucky silty clay, moist, friable</td> </tr> <tr> <td>7</td> <td>13</td> <td>A</td> <td>10YR 4/2</td> <td>10YR 5/4</td> <td>few faint</td> <td>clay, moist, friable</td> </tr> <tr> <td>13</td> <td>20</td> <td>B</td> <td>10YR 5/2</td> <td>10YR 5/6</td> <td>common distinct</td> <td>clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	7	Ap	10YR 2/1	NA	NA	mucky silty clay, moist, friable	7	13	A	10YR 4/2	10YR 5/4	few faint	clay, moist, friable	13	20	B	10YR 5/2	10YR 5/6	common distinct	clay, moist, friable																										
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
0	7	Ap	10YR 2/1	NA	NA	mucky silty clay, moist, friable																																																									
7	13	A	10YR 4/2	10YR 5/4	few faint	clay, moist, friable																																																									
13	20	B	10YR 5/2	10YR 5/6	common distinct	clay, moist, friable																																																									
Hydric Soil Indicators ² : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 45%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </div> </div>						Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																									
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																									
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Remarks: This plot is located in a wetland.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS07NW-1 Plot ID: S2																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Mown area, maintained by landowner, next to excavated pond.																																																																		
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Trifolium repens</i></td> <td>FACU+</td> <td>HERB</td> <td>7</td> <td></td> <td>7. <i>Daucus carota</i></td> <td>UPL</td> <td>HERB</td> <td>5</td> </tr> <tr> <td>2. <i>Festuca elatior</i></td> <td>UPL</td> <td>HERB</td> <td>25</td> <td></td> <td>8. <i>*Taxodium distichum</i></td> <td>OBL</td> <td>TREE</td> <td>5</td> </tr> <tr> <td>3. <i>Trifolium pratense</i></td> <td>FACU+</td> <td>HERB</td> <td>15</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td></td> </tr> <tr> <td>4. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>20</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td></td> </tr> <tr> <td>5. <i>Viburnum trilobum*</i></td> <td>FACW</td> <td>SHRUB</td> <td>5</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td></td> </tr> <tr> <td>6. <i>Rosa multiflora</i></td> <td>FACU</td> <td>SHRUB</td> <td>10</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td></td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Trifolium repens</i>	FACU+	HERB	7		7. <i>Daucus carota</i>	UPL	HERB	5	2. <i>Festuca elatior</i>	UPL	HERB	25		8. <i>*Taxodium distichum</i>	OBL	TREE	5	3. <i>Trifolium pratense</i>	FACU+	HERB	15		9. --	--	--		4. <i>Bromus inermis</i>	UPL	HERB	20		10. --	--	--		5. <i>Viburnum trilobum*</i>	FACW	SHRUB	5		11. --	--	--		6. <i>Rosa multiflora</i>	FACU	SHRUB	10		12. --	--	--	
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Trifolium repens</i>	FACU+	HERB	7		7. <i>Daucus carota</i>	UPL	HERB	5																																																																
2. <i>Festuca elatior</i>	UPL	HERB	25		8. <i>*Taxodium distichum</i>	OBL	TREE	5																																																																
3. <i>Trifolium pratense</i>	FACU+	HERB	15		9. --	--	--																																																																	
4. <i>Bromus inermis</i>	UPL	HERB	20		10. --	--	--																																																																	
5. <i>Viburnum trilobum*</i>	FACW	SHRUB	5		11. --	--	--																																																																	
6. <i>Rosa multiflora</i>	FACU	SHRUB	10		12. --	--	--																																																																	
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 33% Remarks: Hydrophytic vegetation is not dominant. *Tree and shrub planted.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, Or Tide Gauge <input type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)					Remarks: Wetland hydrology is not present. NRCS Slide Review																																																																			
SOILS																																																																								
Map Unit Name: Ozaukee silt loam, 4 to 6 percent slopes, eroded Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top Depth</th> <th style="width: 5%;">Bottom Depth</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>A</td> <td>10YR 3/1</td> <td>NA</td> <td>NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>7</td> <td>21</td> <td>Bt</td> <td>10YR 5/1</td> <td>10YR 5/6</td> <td>common</td> <td>clay, moist, friable, gravelly</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	7	A	10YR 3/1	NA	NA	silty clay loam, moist, friable	7	21	Bt	10YR 5/1	10YR 5/6	common	clay, moist, friable, gravelly																																										
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	7	A	10YR 3/1	NA	NA	silty clay loam, moist, friable																																																																		
7	21	Bt	10YR 5/1	10YR 5/6	common	clay, moist, friable, gravelly																																																																		
Hydric Soil Indicators ² : <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																		
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Remarks: This plot is not located in wetland. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since no wetland hydrology is evident and hydrophytic vegetation is not dominant.																																																																								

Site: Inaugural South Suburban Airport
 Locale: WS07NW2
 Date: October 9, 2008 1 hours
 By: AECOM: S. Johnson; T. Schultz
 File: l:\work\103576\wp\Environmental\Wetland Delineation\Completed Field Forms\Revised
 Forms\WS07\FQI\WS07NW2.inv

FLORISTIC QUALITY DATA	Native	23	69.7%	Adventive	10	30.3%
23 NATIVE SPECIES	Tree	2	6.1%	Tree	1	3.0%
33 Total Species	Shrub	2	6.1%	Shrub	0	0.0%
1.7 NATIVE MEAN C	W-Vine	1	3.0%	W-Vine	0	0.0%
1.2 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
8.1 NATIVE FQI	P-Forb	8	24.2%	P-Forb	1	3.0%
6.8 W/Adventives	B-Forb	2	6.1%	B-Forb	0	0.0%
-2.0 NATIVE MEAN W	A-Forb	4	12.1%	A-Forb	5	15.2%
-1.1 W/Adventives	P-Grass	1	3.0%	P-Grass	1	3.0%
AVG: Fac. Wetland (-)	A-Grass	2	6.1%	A-Grass	2	6.1%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	1	3.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0	ABUTILON THEOPHRASTI	4	FACU-	Ad A-Forb	VELVETLEAF
ACENEG	0	Acer negundo	-2	FACW-	Nt Tree	BOX ELDER
AMBTRI	0	Ambrosia trifida	-1	FAC+	Nt A-Forb	GIANT RAGWEED
ASCSYR	0	Asclepias syriaca	5	UPL	Nt P-Forb	COMMON MILKWEED
ASTPIL	0	Aster pilosus	2	FACU+	Nt P-Forb	HAIRY ASTER
ASTSIS	3	Aster simplex	-5	OBL	Nt P-Forb	PANICLED ASTER
BIDCON	5	Bidens connata	-5	OBL	Nt A-Forb	PURPLE-STEMMED TICKSEED
CHEALB	0	CHENOPODIUM ALBUM	1	FAC-	Ad A-Forb	LAMB'S QUARTERS
CORRAC	1	Cornus racemosa	-2	FACW-	Nt Shrub	GRAY DOGWOOD
CYPRIV	4	Cyperus rivularis	-4	FACW+	Nt A-Sedge	BROOK NUT SEDGE
ECHCRU	0	Echinochloa crusgalli	-3	FACW	Nt A-Grass	BARNYARD GRASS
ERISTR	5	Erigeron strigosus	5	[UPL]	Nt B-Forb	DAISY FLEABANE
GLYNMX	0	GLYCINE MAX	5	UPL	Ad A-Forb	SOY BEAN
HACVIR	0	Hackelia virginiana	1	FAC-	Nt B-Forb	STICKSEED
HELGRO	2	Helianthus grosseserratus	-2	FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
PANDII	0	Panicum dichotomiflorum	-2	FACW-	Nt A-Grass	KNEE GRASS
PENSED	5	Penthorum sedoides	-5	OBL	Nt P-Forb	DITCH STONECROP
PHAARU	0	PHALARIS ARUNDINACEA	-4	FACW+	Ad P-Grass	REED CANARY GRASS
PHRAUS	1	Phragmites australis	-4	FACW+	Nt P-Grass	COMMON REED
PHYAME	1	Phytolacca americana	1	FAC-	Nt P-Forb	POKEWEED
POLAMS	4	Polygonum amphibium stipulaceum	-5	OBL	Nt P-Forb	WATER KNOTWEED
POLLAP	0	Polygonum lapathifolium	-4	FACW+	Nt A-Forb	HEARTSEASE
POLPEN	0	Polygonum pensylvanicum	-4	FACW+	Nt A-Forb	PINKWEED
POLPER	0	POLYGONUM PERSICARIA	1	[FAC-]	Ad A-Forb	LADY'S THUMB
POPTRE	4	Populus tremuloides	0	FAC	Nt Tree	QUAKING ASPEN

SALFRA	0	SALIX FRAGILIS	-1	FAC+	Ad Tree	CRACK WILLOW
SALINT	1	Salix interior	-5	OBL	Nt Shrub	SANDBAR WILLOW
SETFAB	0	SETARIA FABERI	2	FACU+	Ad A-Grass	GIANT FOXTAIL
SETGLA	0	SETARIA GLAUCA	0	FAC	Ad A-Grass	YELLOW FOXTAIL
SONARV	0	SONCHUS ARVENSIS	1	FAC-	Ad P-Forb	FIELD SOW THISTLE
TYPLAT	1	Typha latifolia	-5	OBL	Nt P-Forb	BROAD-LEAVED CATTAIL
VITRIP	2	Vitis riparia	-2	FACW-	Nt W-Vine	RIVERBANK GRAPE
XANSTR	0	XANTHIUM STRUMARIUM	0	FAC	Ad A-Forb	COCKLEBUR

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/09/08 County: Will State: Illinois Community ID: PEM/POW Station ID: WS07NW-2 Plot ID: S1																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Large emergent/open water wetland area																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>25</td></tr> <tr><td>2. <i>Phragmites australis</i></td><td>FACW+</td><td>HERB</td><td>25</td></tr> <tr><td>3. <i>Polygonum amphibium</i></td><td>OBL</td><td>HERB</td><td>10</td></tr> <tr><td>4. <i>Bidens connata</i></td><td>OBL</td><td>HERB</td><td>5</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	25	2. <i>Phragmites australis</i>	FACW+	HERB	25	3. <i>Polygonum amphibium</i>	OBL	HERB	10	4. <i>Bidens connata</i>	OBL	HERB	5	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Phalaris arundinacea</i>	FACW+	HERB	25																																																														
2. <i>Phragmites australis</i>	FACW+	HERB	25																																																														
3. <i>Polygonum amphibium</i>	OBL	HERB	10																																																														
4. <i>Bidens connata</i>	OBL	HERB	5																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%																																																																	
Remarks: Hydrophytic vegetation is dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 1 (in.) Depth to Saturated Soil: 0 (in.)																																																																	
Remarks: Wetland hydrology is present. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Water/Ashkum silty clay loam						Series Drainage Class: Poorly drained																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	11	Ap	10YR 2/1	NA NA	NA NA	muck, wet, friable																																																											
11	21	A	10YR 2/1	NA NA	NA NA	silty clay loam, wet, friable																																																											
21	22	B	10YR 3/1	10YR 4/6	common faint	clay, moist, friable																																																											
Hydric Soil Indicators ² :						Indicators for Problematic Hydric Soils ¹ :																																																											
_____ (A1) Histosol <input checked="" type="checkbox"/> (A2) Histic Epipedon _____ (A3) Black Histic <input checked="" type="checkbox"/> (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat			_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions			_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/09/08 County: Will State: Illinois Community ID: Upland Station ID: WS07NW-2 Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: This plot is located on the edge of an agricultural field.																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>15</td></tr> <tr><td>2. <i>Lonicera tatarica</i></td><td>UPL</td><td>SHRUB</td><td>25</td></tr> <tr><td>3. <i>Solidago altissima</i></td><td>FACU</td><td>HERB</td><td>20</td></tr> <tr><td>4. <i>Aster pilosus</i></td><td>FACU+</td><td>HERB</td><td>10</td></tr> <tr><td>5. <i>Maclura pomifera</i></td><td>FACU</td><td>TREE</td><td>10</td></tr> <tr><td>6. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>5</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Glycine max</i>	UPL	HERB	15	2. <i>Lonicera tatarica</i>	UPL	SHRUB	25	3. <i>Solidago altissima</i>	FACU	HERB	20	4. <i>Aster pilosus</i>	FACU+	HERB	10	5. <i>Maclura pomifera</i>	FACU	TREE	10	6. <i>Setaria faberi</i>	FACU+	HERB	5	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>5</td></tr> <tr><td>8. <i>Taraxacum officinale</i></td><td>FACU</td><td>HERB</td><td>5</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. <i>Daucus carota</i>	UPL	HERB	5	8. <i>Taraxacum officinale</i>	FACU	HERB	5	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Glycine max</i>	UPL	HERB	15																																																														
2. <i>Lonicera tatarica</i>	UPL	SHRUB	25																																																														
3. <i>Solidago altissima</i>	FACU	HERB	20																																																														
4. <i>Aster pilosus</i>	FACU+	HERB	10																																																														
5. <i>Maclura pomifera</i>	FACU	TREE	10																																																														
6. <i>Setaria faberi</i>	FACU+	HERB	5																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Daucus carota</i>	UPL	HERB	5																																																														
8. <i>Taraxacum officinale</i>	FACU	HERB	5																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%						Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																											
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																													
Remarks: Wetland hydrology is not present. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent s Series Drainage Class: Poorly drained																																																																	
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	9	Ap	10YR 3/1	NA NA	NA NA	silty clay loam, moist, friable																																																											
9	20	A	10YR 4/1	10YR 5/6	few faint	clay, moist, friable																																																											
Hydric Soil Indicators ² :																																																																	
(A1) Histosol (A2) Histic Epipedon (A3) Black Histic (A4) Hydrogen Sulfide (A5) Stratified Layers (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (S1) Sandy Mucky Mineral (S3) 5 cm Mucky Peat or Peat			(S4) Sandy Gleyed Matrix (S5) Sandy Redox (S6) Stripped Matrix (F1) Loamy Mucky Mineral (F2) Loamy Gleyed Matrix (F3) Depleted Matrix (F6) Redox Dark Surface (F7) Depleted Dark Surface (F8) Redox Depressions			Indicators for Problematic Hydric Soils ¹ : (A16) Coast Prairie Redox (F12) Iron-Manganese Masses Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																											
Remarks: This plot is not located in wetland.																																																																	

Site: Inaugural South Suburban Airport
 Locale: WS07NW3
 Date: October 8, 2008 1 hours
 By: AECOM: S.Johnson; T.Schultz
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS07NW3.inv

FLORISTIC QUALITY DATA	Native	19	61.3%	Adventive	12	38.7%
19 NATIVE SPECIES	Tree	4	12.9%	Tree	1	3.2%
31 Total Species	Shrub	3	9.7%	Shrub	1	3.2%
2.5 NATIVE MEAN C	W-Vine	1	3.2%	W-Vine	0	0.0%
1.5 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
10.8 NATIVE FQI	P-Forb	8	25.8%	P-Forb	2	6.5%
8.4 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.4 NATIVE MEAN W	A-Forb	2	6.5%	A-Forb	5	16.1%
-0.6 W/Adventives	P-Grass	0	0.0%	P-Grass	2	6.5%
AVG: Fac. Wetland (-)	A-Grass	1	3.2%	A-Grass	1	3.2%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0 ABUTILON THEOPHRASTI	4 FACU-	Ad A-Forb	VELVETLEAF
ACENEG	0 Acer negundo	-2 FACW-	Nt Tree	BOX ELDER
ACESAI	0 Acer saccharinum	-3 FACW	Nt Tree	SILVER MAPLE
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
APOCAN	4 Apocynum cannabinum	0 FAC	Nt P-Forb	INDIAN HEMP
ASCINC	4 Asclepias incarnata	-5 OBL	Nt P-Forb	SWAMP MILKWEED
ASTPUF	7 Aster puniceus firmus	-5 OBL	Nt P-Forb	SHINING ASTER
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
BROINE	0 BROMUS INERMIS	5 UPL	Ad P-Grass	HUNGARIAN BROME
CHEALB	0 CHENOPODIUM ALBUM	1 FAC-	Ad A-Forb	LAMB'S QUARTERS
CIRARV	0 CIRSIUM ARVENSE	5 UPL	Ad P-Forb	FIELD THISTLE
CORRAC	1 Cornus racemosa	-2 FACW-	Nt Shrub	GRAY DOGWOOD
CORSTO	6 Cornus stolonifera	-3 FACW	Nt Shrub	RED-OSIER DOGWOOD
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
GEULAT	2 Geum laciniatum trichocarpum	-3 FACW	Nt P-Forb	ROUGH AVENS
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN
HIBTRI	0 HIBISCUS TRIONUM	5 UPL	Ad A-Forb	FLOWER-OF-AN-HOUR
JUGNIG	5 Juglans nigra	3 FACU	Nt Tree	BLACK WALNUT
MORALB	0 MORUS ALBA	0 FAC	Ad Tree	WHITE MULBERRY
PENSED	5 Penthorum sedoides	-5 OBL	Nt P-Forb	DITCH STONECROP
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLAMS	4 Polygonum amphibium stipulaceum	-5 OBL	Nt P-Forb	WATER KNOTWEED
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
RHAFRA	0 RHAMNUS FRANGULA	-1 FAC+	Ad Shrub	GLOSSY BUCKTHORN

RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SAMCAN	1 Sambucus canadensis	-2 FACW-	Nt Shrub	ELDERBERRY
SOLALT	1 Solidago altissima	3 FACU	Nt P-Forb	TALL GOLDENROD
VITRIP	2 Vitis riparia	-2 FACW-	Nt W-Vine	RIVERBANK GRAPE
ZEAMAY	0 ZEA MAYS	5 UPL	Ad A-Grass	CORN

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/08/08 County: Will State: Illinois Community ID: PEM Station ID: WS07NW-3 Plot ID: S1																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																								
Remarks: Depressional area with sparse crop in agricultural field. Drainage tile present. NRCS slide review site.																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Zea mays</i></td> <td>UPL</td> <td>HERB</td> <td>15</td> <td></td> <td>7. <i>Acer negundo</i></td> <td>FACW-</td> <td>TREE</td> <td>5</td> </tr> <tr> <td>2. <i>Cirsium arvense</i></td> <td>FACU</td> <td>HERB</td> <td>5</td> <td></td> <td>8. <i>Apocynum cannabinum</i></td> <td>FAC</td> <td>HERB</td> <td>2</td> </tr> <tr> <td>3. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>15</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Ambrosia trifida</i></td> <td>FAC+</td> <td>HERB</td> <td>10</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Cornus foemina</i></td> <td>FACW-</td> <td>SHRUB</td> <td>15</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Vitis riparia</i></td> <td>FACW-</td> <td>VINE</td> <td>5</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Zea mays</i>	UPL	HERB	15		7. <i>Acer negundo</i>	FACW-	TREE	5	2. <i>Cirsium arvense</i>	FACU	HERB	5		8. <i>Apocynum cannabinum</i>	FAC	HERB	2	3. <i>Bromus inermis</i>	UPL	HERB	15		9. --	--	--	--	4. <i>Ambrosia trifida</i>	FAC+	HERB	10		10. --	--	--	--	5. <i>Cornus foemina</i>	FACW-	SHRUB	15		11. --	--	--	--	6. <i>Vitis riparia</i>	FACW-	VINE	5		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Zea mays</i>	UPL	HERB	15		7. <i>Acer negundo</i>	FACW-	TREE	5																																																																
2. <i>Cirsium arvense</i>	FACU	HERB	5		8. <i>Apocynum cannabinum</i>	FAC	HERB	2																																																																
3. <i>Bromus inermis</i>	UPL	HERB	15		9. --	--	--	--																																																																
4. <i>Ambrosia trifida</i>	FAC+	HERB	10		10. --	--	--	--																																																																
5. <i>Cornus foemina</i>	FACW-	SHRUB	15		11. --	--	--	--																																																																
6. <i>Vitis riparia</i>	FACW-	VINE	5		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 67% Remarks: Hydrophytic vegetation is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																								
Remarks: Wetland hydrology is present. NRCS Slide Review Sparsely vegetated depression with ag drainage tile																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silt loam, moist, friable</td> </tr> <tr> <td>7</td> <td>17</td> <td>A</td> <td>N 2.5/0</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>17</td> <td>20</td> <td>B</td> <td>10YR 4/1</td> <td>10YR 5/6</td> <td>common faint</td> <td>clay, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	7	Ap	10YR 2/1	NA NA	NA NA	mucky silt loam, moist, friable	7	17	A	N 2.5/0	NA NA	NA NA	silty clay loam, moist, friable	17	20	B	10YR 4/1	10YR 5/6	common faint	clay, moist, firm																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	7	Ap	10YR 2/1	NA NA	NA NA	mucky silt loam, moist, friable																																																																		
7	17	A	N 2.5/0	NA NA	NA NA	silty clay loam, moist, friable																																																																		
17	20	B	10YR 4/1	10YR 5/6	common faint	clay, moist, firm																																																																		
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																		
						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
Remarks: Hydric soils are present.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Remarks: This plot is located in a wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/08/08 County: Will State: Illinois Community ID: PEM Station ID: WS07NW-3 Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: This plot is located on the edge of an agricultural field. Drainage tile present NRCS slide review site.																																																											
VEGETATION Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Zea mays</i></td><td>UPL</td><td>HERB</td><td>15</td></tr> <tr><td>2. <i>Cirsium arvense</i></td><td>FACU</td><td>HERB</td><td>5</td></tr> <tr><td>3. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>15</td></tr> <tr><td>4. <i>Ambrosia trifida</i></td><td>FAC+</td><td>HERB</td><td>10</td></tr> <tr><td>5. <i>Cornus foemina</i></td><td>FACW-</td><td>SHRUB</td><td>15</td></tr> <tr><td>6. <i>Vitis riparia</i></td><td>FACW-</td><td>VINE</td><td>5</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	1. <i>Zea mays</i>	UPL	HERB	15	2. <i>Cirsium arvense</i>	FACU	HERB	5	3. <i>Bromus inermis</i>	UPL	HERB	15	4. <i>Ambrosia trifida</i>	FAC+	HERB	10	5. <i>Cornus foemina</i>	FACW-	SHRUB	15	6. <i>Vitis riparia</i>	FACW-	VINE	5	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Acer negundo</i></td><td>FACW-</td><td>TREE</td><td>5</td></tr> <tr><td>8. <i>Apocynum cannabinum</i></td><td>FAC</td><td>HERB</td><td>2</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. <i>Acer negundo</i>	FACW-	TREE	5	8. <i>Apocynum cannabinum</i>	FAC	HERB	2	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Zea mays</i>	UPL	HERB	15																																																														
2. <i>Cirsium arvense</i>	FACU	HERB	5																																																														
3. <i>Bromus inermis</i>	UPL	HERB	15																																																														
4. <i>Ambrosia trifida</i>	FAC+	HERB	10																																																														
5. <i>Cornus foemina</i>	FACW-	SHRUB	15																																																														
6. <i>Vitis riparia</i>	FACW-	VINE	5																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Acer negundo</i>	FACW-	TREE	5																																																														
8. <i>Apocynum cannabinum</i>	FAC	HERB	2																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 67% Remarks: Hydrophytic vegetation is dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)					Remarks: Wetland hydrology is present. Sparse crop in depression.																																																												
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>11</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silt loam,moist, friable</td> </tr> <tr> <td>11</td> <td>19</td> <td>A</td> <td>10YR 4/1</td> <td>10YR 5/8 10Y 5/1</td> <td>common distinct</td> <td>gravelly clay,moist, friable</td> </tr> <tr> <td>19</td> <td>22</td> <td>B</td> <td>10Y 5/1</td> <td>10YR 5/8</td> <td>many prominent</td> <td>sandy clay,moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	11	Ap	10YR 2/1	NA NA	NA NA	silt loam,moist, friable	11	19	A	10YR 4/1	10YR 5/8 10Y 5/1	common distinct	gravelly clay,moist, friable	19	22	B	10Y 5/1	10YR 5/8	many prominent	sandy clay,moist, friable																												
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	11	Ap	10YR 2/1	NA NA	NA NA	silt loam,moist, friable																																																											
11	19	A	10YR 4/1	10YR 5/8 10Y 5/1	common distinct	gravelly clay,moist, friable																																																											
19	22	B	10Y 5/1	10YR 5/8	many prominent	sandy clay,moist, friable																																																											
Hydric Soil Indicators ² : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 45%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </div> </div>						Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																											
Remarks: Hydric soil is present						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS07NW-3 Plot ID: S3																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: This plot is located on the edge of an agricultural field. NRCS slide review site.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Zea mays</i></td><td>UPL</td><td>HERB</td><td>70</td></tr> <tr><td>2. <i>Morus alba</i></td><td>FAC</td><td>TREE</td><td>5</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Zea mays</i>	UPL	HERB	70	2. <i>Morus alba</i>	FAC	TREE	5	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Zea mays</i>	UPL	HERB	70																																																												
2. <i>Morus alba</i>	FAC	TREE	5																																																												
3. --	--	--	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 50% Remarks: Hydrophytic vegetation is not dominant.																																																															
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																											
Remarks: Wetland hydrology is not present. NRCS Slide Review																																																															
SOILS																																																															
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																															
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>12</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silt loam, moist, friable</td> </tr> <tr> <td>12</td> <td>16</td> <td>A</td> <td>10YR 3/2</td> <td>10YR 6/8</td> <td>few faint</td> <td>clay, moist, friable</td> </tr> <tr> <td>16</td> <td>21</td> <td>B</td> <td>10YR 5/1</td> <td>10YR 5/6</td> <td>common prominent</td> <td>sandy clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	12	Ap	10YR 2/1	NA NA	NA NA	silt loam, moist, friable	12	16	A	10YR 3/2	10YR 6/8	few faint	clay, moist, friable	16	21	B	10YR 5/1	10YR 5/6	common prominent	sandy clay, moist, friable																										
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
0	12	Ap	10YR 2/1	NA NA	NA NA	silt loam, moist, friable																																																									
12	16	A	10YR 3/2	10YR 6/8	few faint	clay, moist, friable																																																									
16	21	B	10YR 5/1	10YR 5/6	common prominent	sandy clay, moist, friable																																																									
Hydric Soil Indicators ² : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 45%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </div> </div>						Indicators for Problematic Hydric Soils ¹ : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) </div> <div style="width: 45%;"> ¹Indicators of hydrophytic vegetation and wetland hydrology must be present. ²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006) </div> </div>																																																									
Remarks: Hydric soils are not present. The soil characteristics do not quite meet hydric indicator criteria.																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																											
Remarks: This plot is not located in a wetland.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/08/08 County: Will State: Illinois Community ID: PEM/PSS Station ID: WS07NW-3 Plot ID: S4																																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Tile present. Edge of agricultural field. Part emergent FW and part shrubby hedgerow NRCS slide review site.																																																																									
VEGETATION Dominant Species (50/20 Rule)																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>30</td></tr> <tr><td>2. <i>Aster lateriflorus</i></td><td>FACW-</td><td>HERB</td><td>10</td></tr> <tr><td>3. <i>Ambrosia trifida</i></td><td>FAC+</td><td>HERB</td><td>10</td></tr> <tr><td>4. <i>Rumex crispus</i></td><td>FAC+</td><td>HERB</td><td>5</td></tr> <tr><td>5. <i>Cornus stolonifera</i></td><td>FACW</td><td>SHRUB</td><td>25</td></tr> <tr><td>6. <i>Populus deltoides</i></td><td>FAC+</td><td>TREE</td><td>35</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	30	2. <i>Aster lateriflorus</i>	FACW-	HERB	10	3. <i>Ambrosia trifida</i>	FAC+	HERB	10	4. <i>Rumex crispus</i>	FAC+	HERB	5	5. <i>Cornus stolonifera</i>	FACW	SHRUB	25	6. <i>Populus deltoides</i>	FAC+	TREE	35	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Rhamnus frangula</i></td><td>FAC+</td><td>SHRUB</td><td>5</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. <i>Rhamnus frangula</i>	FAC+	SHRUB	5	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--																
Species Name	Ind. Status	Stratum	% Cover																																																																												
1. <i>Phalaris arundinacea</i>	FACW+	HERB	30																																																																												
2. <i>Aster lateriflorus</i>	FACW-	HERB	10																																																																												
3. <i>Ambrosia trifida</i>	FAC+	HERB	10																																																																												
4. <i>Rumex crispus</i>	FAC+	HERB	5																																																																												
5. <i>Cornus stolonifera</i>	FACW	SHRUB	25																																																																												
6. <i>Populus deltoides</i>	FAC+	TREE	35																																																																												
Species Name	Ind. Status	Stratum	% Cover																																																																												
7. <i>Rhamnus frangula</i>	FAC+	SHRUB	5																																																																												
8. --	--	--	--																																																																												
9. --	--	--	--																																																																												
10. --	--	--	--																																																																												
11. --	--	--	--																																																																												
12. --	--	--	--																																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.																																																																															
HYDROLOGY																																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>17.5</u> (in.) Depth to Saturated Soil: <u>12</u> (in.)				Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches _____ Water Marks <input checked="" type="checkbox"/> Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																																											
Remarks: Wetland hydrology is present. Sparse crop in depression in ag field NRCS Slide Review																																																																															
SOILS																																																																															
Map Unit Name: Peotone silty clay loam, 0 to 2 percent slopes Series Drainage Class: Very poorly drained Taxonomy (Subgroup): Cumulic Vertic Endoaquoll Field Observations Confirm Mapped Type? _____ Yes <input checked="" type="checkbox"/> No																																																																															
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th colspan="2">Matrix Color (Munsell Moist):</th> <th colspan="2">Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th colspan="2">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> <tr> <th>Depth</th> <th>Depth</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>4</td> <td>Ap</td> <td>10YR</td> <td>3/1</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>mucky silt loam, moist, friable</td> </tr> <tr> <td>4</td> <td>20</td> <td>A</td> <td>10YR</td> <td>3/1</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.		Depth	Depth									0	4	Ap	10YR	3/1	NA	NA	NA	NA	mucky silt loam, moist, friable	4	20	A	10YR	3/1	NA	NA	NA	NA	silty clay loam, moist, friable																														
Top	Bottom	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																							
Depth	Depth																																																																														
0	4	Ap	10YR	3/1	NA	NA	NA	NA	mucky silt loam, moist, friable																																																																						
4	20	A	10YR	3/1	NA	NA	NA	NA	silty clay loam, moist, friable																																																																						
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																									
_____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																									
Remarks: Hydric soils are present.																																																																															
WETLAND DETERMINATION																																																																															
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																											
Remarks: This plot is located in a wetland. Wetland is bisected by a farm lane along the southern edge.																																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS07NW-3 Plot ID: S5																																																											
Do Normal Circumstances Exist On The Site? <u> </u> Yes <u> X </u> No Is The Site Significantly Disturbed (Atypical Situation)? <u> </u> Yes <u> X </u> No Is The Area A Potential Problem Area? <u> </u> Yes <u> X </u> No (If yes, define below.)																																																																	
Remarks: Agricultural field. NRCS slide review site.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>55</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	55	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	55																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
X Recorded Data (Describe in Remarks): <u> </u> Stream, Lake, Or Tide Gauge X Aerial Photos <u> </u> Other (Describe in Remarks) <u> </u> No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: <u> </u> Inundated <u> </u> Saturated in Upper 12 Inches <u> </u> Water Marks <u> </u> Drift Lines <u> </u> Sediment Deposits <u> </u> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <u> </u> Oxidized Root Channels In Upper 12 Inches <u> </u> Water-Stained Leaves <u> </u> Local Soil Survey Data <u> </u> FAC-Neutral Test <u> </u> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: <u> NA </u> (in.) Depth to Free Water: <u> NA </u> (in.) Depth to Saturated Soil: <u> NA </u> (in.)																																																																	
Remarks: Wetland hydrology is not present. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Peotone silty clay loam, 0 to 2 percent slopes Series Drainage Class: Very poorly drained Taxonomy (Subgroup): Cumulic Vertic Endoaquoll Field Observations Confirm Mapped Type? <u> </u> Yes <u> X </u> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>4</td> <td>Ap</td> <td>10YR 3/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>4</td> <td>18</td> <td>A</td> <td>10YR 2/1</td> <td>10YR 5/6</td> <td>few prominent</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>18</td> <td>20</td> <td>B</td> <td>10YR 5/6</td> <td>NA NA</td> <td>NA NA</td> <td>clay, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	4	Ap	10YR 3/1	NA NA	NA NA	silty clay loam, moist, friable	4	18	A	10YR 2/1	10YR 5/6	few prominent	silty clay loam, moist, friable	18	20	B	10YR 5/6	NA NA	NA NA	clay, moist, firm																												
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	4	Ap	10YR 3/1	NA NA	NA NA	silty clay loam, moist, friable																																																											
4	18	A	10YR 2/1	10YR 5/6	few prominent	silty clay loam, moist, friable																																																											
18	20	B	10YR 5/6	NA NA	NA NA	clay, moist, firm																																																											
Hydric Soil Indicators ² : <u> </u> (A1) Histosol <u> </u> (A2) Histic Epipedon <u> </u> (A3) Black Histic <u> </u> (A4) Hydrogen Sulfide <u> </u> (A5) Stratified Layers <u> </u> (A10) 2 cm Muck <u> </u> (A11) Depleted Below Dark Surface <u> </u> (A12) Thick Dark Surface <u> </u> (S1) Sandy Mucky Mineral <u> </u> (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : <u> </u> (S4) Sandy Gleyed Matrix <u> </u> (S5) Sandy Redox <u> </u> (S6) Stripped Matrix <u> </u> (F1) Loamy Mucky Mineral <u> </u> (F2) Loamy Gleyed Matrix <u> </u> (F3) Depleted Matrix <u> </u> (F6) Redox Dark Surface <u> </u> (F7) Depleted Dark Surface <u> </u> (F8) Redox Depressions <u> </u> (A16) Coast Prairie Redox <u> </u> (F12) Iron-Manganese Masses <u> </u> Other (Explain in Remarks)																																																											
						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are not present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <u> </u> Yes <u> X </u> No Wetland Hydrology Present? <u> </u> Yes <u> X </u> No					Hydric Soils Present? <u> </u> Yes <u> X </u> No Is This Sampling Point Within A Wetland? <u> </u> Yes <u> X </u> No																																																												
Remarks: This plot is not located in a wetland.																																																																	

Site: SSA Inaugural Delineation
 Locale: WS07SE1 (Beecher Marsh combined)
 Date: October 9, 2009 4 hours
 October 21, 2008 3 hours
 By: AECOM;T.Radke; R.West, A.Amelse; S. Johnson
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS07SE1.inv

FLORISTIC QUALITY DATA	Native	80	71.4%	Adventive	32	28.6%
80 NATIVE SPECIES	Tree	6	5.4%	Tree	3	2.7%
112 Total Species	Shrub	8	7.1%	Shrub	3	2.7%
2.8 NATIVE MEAN C	W-Vine	3	2.7%	W-Vine	1	0.9%
2.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
25.5 NATIVE FQI	P-Forb	33	29.5%	P-Forb	5	4.5%
21.5 W/Adventives	B-Forb	2	1.8%	B-Forb	3	2.7%
-1.9 NATIVE MEAN W	A-Forb	8	7.1%	A-Forb	7	6.3%
-0.8 W/Adventives	P-Grass	7	6.3%	P-Grass	7	6.3%
AVG: Fac. Wetland (-)	A-Grass	2	1.8%	A-Grass	3	2.7%
	P-Sedge	9	8.0%	P-Sedge	0	0.0%
	A-Sedge	1	0.9%	A-Sedge	0	0.0%
	Cryptogam	1	0.9%			

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0	ABUTILON THEOPHRASTI	4	FACU-	Ad A-Forb	VELVETLEAF
ACARHO	0	Acalypha rhomboidea	3	FACU	Nt A-Forb	THREE-SEEDED MERCURY
ACENEG	0	Acer negundo	-2	FACW-	Nt Tree	BOX ELDER
ACESAI	0	Acer saccharinum	-3	FACW	Nt Tree	SILVER MAPLE
AGRREP	0	AGROPYRON REPENS	3	FACU	Ad P-Grass	QUACK GRASS
AGRALA	0	AGROSTIS ALBA	-3	FACW	Ad P-Grass	REDTOP
AGRALP	10	Agrostis alba palustris	-5	[OBL]	Nt P-Grass	BENT GRASS
AMARET	0	AMARANTHUS RETROFLEXUS	2	FACU+	Ad A-Forb	ROUGH AMARANTH
AMBARE	0	Ambrosia artemisiifolia elatior	3	FACU	Nt A-Forb	COMMON RAGWEED
AMBTRI	0	Ambrosia trifida	-1	FAC+	Nt A-Forb	GIANT RAGWEED
APIAME	7	Apios americana	-3	FACW	Nt P-Forb	GROUND NUT
APOCAN	4	Apocynum cannabinum	0	FAC	Nt P-Forb	INDIAN HEMP
ASTERI	5	Aster ericoides	4	FACU-	Nt P-Forb	HEATH ASTER
ASTNOV	4	Aster novae-angliae	-3	FACW	Nt P-Forb	NEW ENGLAND ASTER
ASTSIS	3	Aster simplex	-5	OBL	Nt P-Forb	PANICLED ASTER
ASTSII	3	Aster simplex interior	-5	[OBL]	Nt P-Forb	MARSH ASTER
BARVUL	0	BARBAREA VULGARIS	0	FAC	Ad B-Forb	YELLOW ROCKET
BIDCON	5	Bidens connata	-5	OBL	Nt A-Forb	PURPLE-STEMMED TICKSEED
BROINE	0	BROMUS INERMIS	5	UPL	Ad P-Grass	HUNGARIAN BROME
CALCAN	3	Calamagrostis canadensis	-5	OBL	Nt P-Grass	BLUE JOINT GRASS
CXCRIS	4	Carex cristatella	-4	FACW+	Nt P-Sedge	CRESTED OVAL SEDGE
CXLACU	6	Carex lacustris	-5	OBL	Nt P-Sedge	COMMON LAKE SEDGE
CXVULP	2	Carex vulpinoidea	-5	OBL	Nt P-Sedge	BROWN FOX SEDGE
CHEALB	0	CHENOPODIUM ALBUM	1	FAC-	Ad A-Forb	LAMB'S QUARTERS
CIRARV	0	CIRSIUM ARVENSE	5	UPL	Ad P-Forb	FIELD THISTLE

CONSEP	1	<i>Convolvulus sepium</i>	0	FAC	Nt P-Forb	HEDGE BINDWEED
CORRAC	1	<i>Cornus racemosa</i>	-2	FACW-	Nt Shrub	GRAY DOGWOOD
CORSTO	6	<i>Cornus stolonifera</i>	-3	FACW	Nt Shrub	RED-OSIER DOGWOOD
CYPESC	0	<i>Cyperus esculentus</i>	-1	[FAC+]	Nt P-Sedge	FIELD NUT SEDGE
CYPRIV	4	<i>Cyperus rivularis</i>	-4	FACW+	Nt A-Sedge	BROOK NUT SEDGE
CYPSTR	1	<i>Cyperus strigosus</i>	-3	FACW	Nt P-Sedge	LONG-SCALED NUT SEDGE
DAUCAR	0	<i>DAUCUS CAROTA</i>	5	UPL	Ad B-Forb	QUEEN ANNE'S LACE
DULARU	9	<i>Dulichium arundinaceum</i>	-5	OBL	Nt P-Sedge	THREE-WAY SEDGE
ECHCRU	0	<i>Echinochloa crusgalli</i>	-3	FACW	Nt A-Grass	BARNYARD GRASS
ELAUMB	0	<i>ELAEAGNUS UMBELLATA</i>	5	UPL	Ad Shrub	AUTUMN OLIVE
ELYVIR	4	<i>Elymus virginicus</i>	-2	FACW-	Nt P-Grass	VIRGINIA WILD RYE
EQUARV	0	<i>Equisetum arvense</i>	0	FAC	Cryptogam	HORSETAIL
ERICAN	0	<i>Erigeron canadensis</i>	1	FAC-	Nt A-Forb	HORSEWEED
EUPPER	4	<i>Eupatorium perfoliatum</i>	-4	FACW+	Nt P-Forb	COMMON BONESET
FESELA	0	<i>FESTUCA ELATIOR</i>	2	FACU+	Ad P-Grass	TALL FESCUE
FRAVIR	1	<i>Fragaria virginiana</i>	1	FAC-	Nt P-Forb	WILD STRAWBERRY
GEUCAN	1	<i>Geum canadense</i>	0	FAC	Nt P-Forb	WOOD AVENS
GEULAT	2	<i>Geum laciniatum trichocarpum</i>	-3	FACW	Nt P-Forb	ROUGH AVENS
GLYSTR	4	<i>Glyceria striata</i>	-3	[FACW]	Nt P-Grass	FOWL MANNA GRASS
GLYNMX	0	<i>GLYCINE MAX</i>	5	UPL	Ad A-Forb	SOY BEAN
HACVIR	0	<i>Hackelia virginiana</i>	1	FAC-	Nt B-Forb	STICKSEED
HELGRO	2	<i>Helianthus grosseserratus</i>	-2	FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
HELHEL	5	<i>Heliopsis helianthoides</i>	5	UPL	Nt P-Forb	FALSE SUNFLOWER
HIBTRI	0	<i>HIBISCUS TRIONUM</i>	5	UPL	Ad A-Forb	FLOWER-OF-AN-HOUR
HORJUB	0	<i>HORDEUM JUBATUM</i>	-1	FAC+	Ad P-Grass	SQUIRREL-TAIL GRASS
HYDVIR	5	<i>Hydrophyllum virginianum</i>	0	[FAC]	Nt P-Forb	VIRGINIA WATERLEAF
IPOHED	0	<i>IPOMOEA HEDERACEA</i>	0	FAC	Ad A-Forb	IVY-LEAVED MORNING GLORY
IRIVIS	5	<i>Iris virginica shrevei</i>	-5	OBL	Nt P-Forb	BLUE FLAG
JUNDUD	4	<i>Juncus dudleyi</i>	0	[FAC]	Nt P-Forb	DUDLEY'S RUSH
JUNEFF	7	<i>Juncus effusus</i>	-5	OBL	Nt P-Forb	COMMON RUSH
JUNTOR	4	<i>Juncus torreyi</i>	-3	FACW	Nt P-Forb	TORREY'S RUSH
LEEORY	4	<i>Leersia oryzoides</i>	-5	OBL	Nt P-Grass	RICE CUT GRASS
LEMMIO	5	<i>Lemna minor</i>	-5	OBL	Nt A-Forb	SMALL DUCKWEED
LONTAT	0	<i>LONICERA TATARICA</i>	5	[UPL]	Ad Shrub	TARTARIAN HONEYSUCKLE
MORALB	0	<i>MORUS ALBA</i>	0	FAC	Ad Tree	WHITE MULBERRY
OENBIE	0	<i>Oenothera biennis</i>	3	FACU	Nt B-Forb	COMMON EVENING PRIMROSE
OXAEUR	0	<i>Oxalis europaea</i>	3	FACU	Nt P-Forb	TALL WOOD SORREL
PANDII	0	<i>Panicum dichotomiflorum</i>	-2	FACW-	Nt A-Grass	KNEE GRASS

PANVIR	5	<i>Panicum virgatum</i>	-1	FAC+	Nt P-Grass	SWITCH GRASS
PARQUI	2	<i>Parthenocissus quinquefolia</i>	1	FAC-	Nt W-Vine	VIRGINIA CREEPER
PASSAT	0	PASTINACA SATIVA	5	UPL	Ad B-Forb	WILD PARSNIP
PENSED	5	<i>Penthorum sedoides</i>	-5	OBL	Nt P-Forb	DITCH STONECROP
PHAARU	0	PHALARIS ARUNDINACEA	-4	FACW+	Ad P-Grass	REED CANARY GRASS
PHRAUS	1	<i>Phragmites australis</i>	-4	FACW+	Nt P-Grass	COMMON REED
PHYAME	1	<i>Phytolacca americana</i>	1	FAC-	Nt P-Forb	POKEWEED
PLAMAJ	0	PLANTAGO MAJOR	-1	FAC+	Ad P-Forb	COMMON PLANTAIN
POACOM	0	POA COMPRESSA	2	FACU+	Ad P-Grass	CANADA BLUE GRASS
POLAMS	4	<i>Polygonum amphibium stipulaceum</i>	-5	OBL	Nt P-Forb	WATER KNOTWEED
POLHYR	2	<i>Polygonum hydropiper</i>	-3	FACW	Nt A-Forb	WATER PEPPER
POLPEN	0	<i>Polygonum pensylvanicum</i>	-4	FACW+	Nt A-Forb	PINKWEED
POLPER	0	POLYGONUM PERSICARIA	1	[FAC-]	Ad A-Forb	LADY'S THUMB
POPDEL	2	<i>Populus deltoides</i>	-1	FAC+	Nt Tree	EASTERN COTTONWOOD
PRUSER	1	<i>Prunus serotina</i>	3	FACU	Nt Tree	WILD BLACK CHERRY
PRUVIR	3	<i>Prunus virginiana</i>	3	[FACU]	Nt Shrub	CHOKE CHERRY
RHURAD	2	<i>Rhus radicans</i>	-1	FAC+	Nt W-Vine	POISON IVY
ROSMUL	0	ROSA MULTIFLORA	3	FACU	Ad Shrub	MULTIFLORA ROSE
RUBALL	3	<i>Rubus allegheniensis</i>	2	FACU+	Nt Shrub	COMMON BLACKBERRY
RUBOCC	2	<i>Rubus occidentalis</i>	5	UPL	Nt Shrub	BLACK RASPBERRY
RUMCRI	0	RUMEX CRISPUS	-1	FAC+	Ad P-Forb	CURLY DOCK
RUMVER	6	<i>Rumex verticillatus</i>	-5	OBL	Nt P-Forb	SWAMP DOCK
SALDIS	2	<i>Salix discolor</i>	-3	FACW	Nt Shrub	PUSSY WILLOW
SALFRA	0	SALIX FRAGILIS	-1	FAC+	Ad Tree	CRACK WILLOW
SALINT	1	<i>Salix interior</i>	-5	OBL	Nt Shrub	SANDBAR WILLOW
SALNIG	4	<i>Salix nigra</i>	-5	OBL	Nt Tree	BLACK WILLOW
SAMCAN	1	<i>Sambucus canadensis</i>	-2	FACW-	Nt Shrub	ELDERBERRY
SANGRE SNAKEROOT	2	<i>Sanicula gregaria</i>	-1	FAC+	Nt P-Forb	CLUSTERED BLACK
SCIATR	4	<i>Scirpus atrovirens</i>	-5	OBL	Nt P-Sedge	DARK GREEN RUSH
SCICYP	6	<i>Scirpus cyperinus</i>	-5	OBL	Nt P-Sedge	WOOL GRASS
SCIVAC	5	<i>Scirpus validus creber</i>	-5	OBL	Nt P-Sedge	GREAT BULRUSH
SETFAB	0	SETARIA FABERI	2	FACU+	Ad A-Grass	GIANT FOXTAIL
SETGLA	0	SETARIA GLAUCA	0	FAC	Ad A-Grass	YELLOW FOXTAIL
SOLDUL	0	SOLANUM DULCAMARA	0	FAC	Ad W-Vine	BITTERSWEET NIGHTSHADE
SOLALT	1	<i>Solidago altissima</i>	3	FACU	Nt P-Forb	TALL GOLDENROD
SOLGIG	4	<i>Solidago gigantea</i>	-3	FACW	Nt P-Forb	LATE GOLDENROD
SOLGRG GOLDENROD	4	<i>Solidago graminifolia</i>	-2	FACW-	Nt P-Forb	COMMON GRASS-LEAVED

SONULI	0	SONCHUS ULIGINOSUS	1	FAC-	Ad P-Forb	COMMON SOW THISTLE
TAROFF	0	TARAXACUM OFFICINALE	3	FACU	Ad P-Forb	COMMON DANDELION
TYPANG	1	Typha angustifolia	-5	OBL	Nt P-Forb	NARROW-LEAVED CATTAIL
TYPLAT	1	Typha latifolia	-5	OBL	Nt P-Forb	BROAD-LEAVED CATTAIL
TYPGLA	1	Typha X glauca	-5	OBL	Nt P-Forb	HYBRID CATTAIL
ULMAME	3	Ulmus americana	-2	FACW-	Nt Tree	AMERICAN ELM
ULMPUM	0	ULMUS PUMILA	5	UPL	Ad Tree	SIBERIAN ELM
VERHAS	4	Verbena hastata	-4	FACW+	Nt P-Forb	BLUE VERVAIN
VERURU	5	Verbena urticifolia	5	UPL	Nt P-Forb	HAIRY WHITE VERVAIN
VIOSOR	3	Viola sororia	1	FAC-	Nt P-Forb	COMMON BLUE VIOLET
VITRIP	2	Vitis riparia	-2	FACW-	Nt W-Vine	RIVERBANK GRAPE
ZEAMAY	0	ZEA MAYS	5	UPL	Ad A-Grass	CORN

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																				
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/08/08 County: Will State: Illinois Community ID: Wetland Complex Station ID: WS07SE-1 Plot ID: S1																																																														
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Highly eroded ditch system dividing agricultural fields. NRCS slide review site.																																																														
VEGETATION Dominant Species (50/20 Rule) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. Acer saccharinum</td> <td>FACW</td> <td>TREE</td> <td>20</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Morus alba</i></td> <td>FAC</td> <td>TREE</td> <td>10</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. Phalaris arundinacea</td> <td>FACW+</td> <td>HERB</td> <td>10</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. Salix fragilis</td> <td>FAC+</td> <td>TREE</td> <td>15</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Acer negundo</i></td> <td>FACW-</td> <td>TREE</td> <td>10</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. Acer saccharinum	FACW	TREE	20		7. --	--	--	--	2. <i>Morus alba</i>	FAC	TREE	10		8. --	--	--	--	3. Phalaris arundinacea	FACW+	HERB	10		9. --	--	--	--	4. Salix fragilis	FAC+	TREE	15		10. --	--	--	--	5. <i>Acer negundo</i>	FACW-	TREE	10		11. --	--	--	--	6. --	--	--	--	
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																												
1. Acer saccharinum	FACW	TREE	20		7. --	--	--	--																																																												
2. <i>Morus alba</i>	FAC	TREE	10		8. --	--	--	--																																																												
3. Phalaris arundinacea	FACW+	HERB	10		9. --	--	--	--																																																												
4. Salix fragilis	FAC+	TREE	15		10. --	--	--	--																																																												
5. <i>Acer negundo</i>	FACW-	TREE	10		11. --	--	--	--																																																												
6. --	--	--	--		12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.						HYDROLOGY <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, Or Tide Gauge <input type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available </div> <div style="width: 50%;"> Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) </div> </div>																																																														
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																				
Remarks: Wetland hydrology is present. NRCS Slide Review																																																																				
SOILS Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																				
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.7em;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>4</td> <td>Ap</td> <td>10YR 3/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>4</td> <td>20</td> <td>A</td> <td>N 5/0</td> <td>10YR 5/6</td> <td>common prominent</td> <td>clay, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	4	Ap	10YR 3/1	NA NA	NA NA	silty clay loam, moist, friable	4	20	A	N 5/0	10YR 5/6	common prominent	clay, moist, friable																																						
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																														
0	4	Ap	10YR 3/1	NA NA	NA NA	silty clay loam, moist, friable																																																														
4	20	A	N 5/0	10YR 5/6	common prominent	clay, moist, friable																																																														
Hydric Soil Indicators ² : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 45%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </div> </div>						Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																														
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																														
WETLAND DETERMINATION Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																				
Remarks: This plot is located in a wetland.																																																																				

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-1 Plot ID: S2																																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																															
Remarks: Edge of agricultural field. NRCS slide review wetland.																																																																															
VEGETATION																																																																															
Dominant Species (50/20 Rule)																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 40%;"></th> </tr> </thead> <tbody> <tr><td>1. <i>*Taxodium distichum</i></td><td>OBL</td><td>TREE</td><td>2</td><td></td></tr> <tr><td>2. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>25</td><td></td></tr> <tr><td>3. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>25</td><td></td></tr> <tr><td>4. <i>Lonicera tatarica</i></td><td>UPL</td><td>SHRUB</td><td>10</td><td></td></tr> <tr><td>5. <i>Acer saccharinum</i></td><td>FACW</td><td>TREE</td><td>10</td><td></td></tr> <tr><td>6. <i>Acer negundo</i></td><td>FACW-</td><td>TREE</td><td>10</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		1. <i>*Taxodium distichum</i>	OBL	TREE	2		2. <i>Bromus inermis</i>	UPL	HERB	25		3. <i>Phalaris arundinacea</i>	FACW+	HERB	25		4. <i>Lonicera tatarica</i>	UPL	SHRUB	10		5. <i>Acer saccharinum</i>	FACW	TREE	10		6. <i>Acer negundo</i>	FACW-	TREE	10		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 40%;"></th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		7. --	--	--	--		8. --	--	--	--		9. --	--	--	--		10. --	--	--	--		11. --	--	--	--		12. --	--	--	--	
Species Name	Ind. Status	Stratum	% Cover																																																																												
1. <i>*Taxodium distichum</i>	OBL	TREE	2																																																																												
2. <i>Bromus inermis</i>	UPL	HERB	25																																																																												
3. <i>Phalaris arundinacea</i>	FACW+	HERB	25																																																																												
4. <i>Lonicera tatarica</i>	UPL	SHRUB	10																																																																												
5. <i>Acer saccharinum</i>	FACW	TREE	10																																																																												
6. <i>Acer negundo</i>	FACW-	TREE	10																																																																												
Species Name	Ind. Status	Stratum	% Cover																																																																												
7. --	--	--	--																																																																												
8. --	--	--	--																																																																												
9. --	--	--	--																																																																												
10. --	--	--	--																																																																												
11. --	--	--	--																																																																												
12. --	--	--	--																																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):					60%																																																																										
Remarks: Hydrophytic vegetation is dominant. *Planted tree.																																																																															
HYDROLOGY																																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																										
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)																																																																															
Remarks: Wetland hydrology is not present.																																																																															
SOILS																																																																															
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes					Series Drainage Class: Poorly drained																																																																										
Taxonomy (Subgroup): Typic Endoaquolls					Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																										
Profile Description:																																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																									
Depth	Depth																																																																														
0	10	Ap	10YR 2/2	NA	NA	silty clay loam, moist, friable																																																																									
10	18	A	10YR 2/1	10YR	3/6 faint	clay, moist, friable																																																																									
18	21	B	10YR 2/1	NA	NA	clay, moist, friable																																																																									
Hydric Soil Indicators ² :																																																																															
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat					<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																										
					<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																										
					¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																										
					² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																										
Remarks: Hydric soils are not present.																																																																															
WETLAND DETERMINATION																																																																															
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																										
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																										
Remarks: Hydrophytic vegetation was dominant, but hydrology and soils criterion were not met. Hydrophytic vegetation was primarily represented by tree species that were within the drainage area within 30' of soil core. This plot is not located in a wetland.																																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-1 Plot ID: S3																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: This plot is located within an agricultural field. NRCS slide review site.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Trifolium pratense</i></td><td>FACU+</td><td>HERB</td><td>40</td></tr> <tr><td>2. <i>Setaria faberi</i></td><td>FACU+</td><td>HERB</td><td>40</td></tr> <tr><td>3. <i>Taraxacum officinale</i></td><td>FACU</td><td>HERB</td><td>2</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Trifolium pratense</i>	FACU+	HERB	40	2. <i>Setaria faberi</i>	FACU+	HERB	40	3. <i>Taraxacum officinale</i>	FACU	HERB	2	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Trifolium pratense</i>	FACU+	HERB	40																																																														
2. <i>Setaria faberi</i>	FACU+	HERB	40																																																														
3. <i>Taraxacum officinale</i>	FACU	HERB	2																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																																											
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: <u>NA</u> (in.) Depth to Free Water: <u>NA</u> (in.) Depth to Saturated Soil: <u>NA</u> (in.)																																																																	
Remarks: Wetland hydrology is not present. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes						Series Drainage Class: Poorly drained																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Profile Description:																																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Depth	Depth																																																																
0	14	Ap	10YR	2/1	NA	NA	NA	NA	silty clay loam, moist, friable																																																								
14	21	A	10YR	3/1	10YR	5/3	common	faint	clay, moist, firm																																																								
Hydric Soil Indicators ² :																																																																	
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat					<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																												
Indicators for Problematic Hydric Soils ¹ :																																																																	
<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																	
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																	
Remarks: Hydric soils are not present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/09/08 County: Will State: Illinois Community ID: Wetland Complex Station ID: WS07SE-1 Plot ID: S4																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Plot is adjacent to agricultural field.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Typha angustifolia</i></td><td>OBL</td><td>HERB</td><td>20</td></tr> <tr><td>2. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>25</td></tr> <tr><td>3. <i>Carex vulpinoidea</i></td><td>OBL</td><td>HERB</td><td>10</td></tr> <tr><td>4. <i>Aster simplex interior</i></td><td>OBL</td><td>HERB</td><td>10</td></tr> <tr><td>5. <i>Scirpus cyperinus</i></td><td>OBL</td><td>HERB</td><td>10</td></tr> <tr><td>6. <i>Salix exigua</i></td><td>OBL</td><td>SHRUB</td><td>10</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Typha angustifolia</i>	OBL	HERB	20	2. <i>Phalaris arundinacea</i>	FACW+	HERB	25	3. <i>Carex vulpinoidea</i>	OBL	HERB	10	4. <i>Aster simplex interior</i>	OBL	HERB	10	5. <i>Scirpus cyperinus</i>	OBL	HERB	10	6. <i>Salix exigua</i>	OBL	SHRUB	10	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Typha angustifolia</i>	OBL	HERB	20																																																														
2. <i>Phalaris arundinacea</i>	FACW+	HERB	25																																																														
3. <i>Carex vulpinoidea</i>	OBL	HERB	10																																																														
4. <i>Aster simplex interior</i>	OBL	HERB	10																																																														
5. <i>Scirpus cyperinus</i>	OBL	HERB	10																																																														
6. <i>Salix exigua</i>	OBL	SHRUB	10																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available				Wetland Hydrology Indicators: _____ None Primary Indicators: <input checked="" type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 0 (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is present. Free water at the surface. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>Ap</td> <td>10YR 3/2</td> <td>NA NA</td> <td>NA NA</td> <td>muck, wet, friable</td> </tr> <tr> <td>7</td> <td>15</td> <td>A</td> <td>10YR 3/1</td> <td>NA NA</td> <td>NA NA</td> <td>mucky clay loam, moist, friable</td> </tr> <tr> <td>15</td> <td>20</td> <td>BA</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silty clay loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	7	Ap	10YR 3/2	NA NA	NA NA	muck, wet, friable	7	15	A	10YR 3/1	NA NA	NA NA	mucky clay loam, moist, friable	15	20	BA	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist, friable																												
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	7	Ap	10YR 3/2	NA NA	NA NA	muck, wet, friable																																																											
7	15	A	10YR 3/1	NA NA	NA NA	mucky clay loam, moist, friable																																																											
15	20	BA	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist, friable																																																											
Hydric Soil Indicators ² : <table style="width:100%;"> <tr> <td>_____ (A1) Histosol</td> <td>_____ (S4) Sandy Gleyed Matrix</td> </tr> <tr> <td>_____ (A2) Histic Epipedon</td> <td>_____ (S5) Sandy Redox</td> </tr> <tr> <td>_____ (A3) Black Histic</td> <td>_____ (S6) Stripped Matrix</td> </tr> <tr> <td>_____ (A4) Hydrogen Sulfide</td> <td><input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral</td> </tr> <tr> <td>_____ (A5) Stratified Layers</td> <td>_____ (F2) Loamy Gleyed Matrix</td> </tr> <tr> <td>_____ (A10) 2 cm Muck</td> <td>_____ (F3) Depleted Matrix</td> </tr> <tr> <td>_____ (A11) Depleted Below Dark Surface</td> <td>_____ (F6) Redox Dark Surface</td> </tr> <tr> <td>_____ (A12) Thick Dark Surface</td> <td>_____ (F7) Depleted Dark Surface</td> </tr> <tr> <td>_____ (S1) Sandy Mucky Mineral</td> <td>_____ (F8) Redox Depressions</td> </tr> <tr> <td>_____ (S3) 5 cm Mucky Peat or Peat</td> <td></td> </tr> </table>						_____ (A1) Histosol	_____ (S4) Sandy Gleyed Matrix	_____ (A2) Histic Epipedon	_____ (S5) Sandy Redox	_____ (A3) Black Histic	_____ (S6) Stripped Matrix	_____ (A4) Hydrogen Sulfide	<input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral	_____ (A5) Stratified Layers	_____ (F2) Loamy Gleyed Matrix	_____ (A10) 2 cm Muck	_____ (F3) Depleted Matrix	_____ (A11) Depleted Below Dark Surface	_____ (F6) Redox Dark Surface	_____ (A12) Thick Dark Surface	_____ (F7) Depleted Dark Surface	_____ (S1) Sandy Mucky Mineral	_____ (F8) Redox Depressions	_____ (S3) 5 cm Mucky Peat or Peat		Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																							
_____ (A1) Histosol	_____ (S4) Sandy Gleyed Matrix																																																																
_____ (A2) Histic Epipedon	_____ (S5) Sandy Redox																																																																
_____ (A3) Black Histic	_____ (S6) Stripped Matrix																																																																
_____ (A4) Hydrogen Sulfide	<input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral																																																																
_____ (A5) Stratified Layers	_____ (F2) Loamy Gleyed Matrix																																																																
_____ (A10) 2 cm Muck	_____ (F3) Depleted Matrix																																																																
_____ (A11) Depleted Below Dark Surface	_____ (F6) Redox Dark Surface																																																																
_____ (A12) Thick Dark Surface	_____ (F7) Depleted Dark Surface																																																																
_____ (S1) Sandy Mucky Mineral	_____ (F8) Redox Depressions																																																																
_____ (S3) 5 cm Mucky Peat or Peat																																																																	
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Remarks: This plot is located in a wetland.																																																																	

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport	Date: 10/09/08
Applicant/Owner: Illinois Department of Transportation	County: Will
Investigator #1: Sarah Johnson #2: Tory Schultz	State: Illinois
Do Normal Circumstances Exist On The Site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Community ID: Upland
Is The Site Significantly Disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Station ID: WS07SE-1
Is The Area A Potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If yes, define below.)	Plot ID: S5

Remarks: **Agricultural field.**

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover
1. Glycine max	UPL	HERB	100		7. --	--	--	--
2. --	--	--	--		8. --	--	--	--
3. --	--	--	--		9. --	--	--	--
4. --	--	--	--		10. --	--	--	--
5. --	--	--	--		11. --	--	--	--
6. --	--	--	--		12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **0%**

Remarks: **Hydrophytic vegetation is not dominant.**

HYDROLOGY

<p><input checked="" type="checkbox"/> Recorded Data (Describe in Remarks):</p> <p style="margin-left: 20px;">Stream, Lake, Or Tide Gauge <input type="checkbox"/></p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> Aerial Photos</p> <p style="margin-left: 20px;">Other (Describe in Remarks) <input type="checkbox"/></p> <p><input type="checkbox"/> No Recorded Data Available</p>	<p>Wetland Hydrology Indicators:</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> None</p> <p>Primary Indicators:</p> <p style="margin-left: 20px;"><input type="checkbox"/> Inundated</p> <p style="margin-left: 20px;"><input type="checkbox"/> Saturated in Upper 12 Inches</p> <p style="margin-left: 20px;"><input type="checkbox"/> Water Marks</p> <p style="margin-left: 20px;"><input type="checkbox"/> Drift Lines</p> <p style="margin-left: 20px;"><input type="checkbox"/> Sediment Deposits</p> <p style="margin-left: 20px;"><input type="checkbox"/> Drainage Patterns in Wetlands</p> <p>Secondary Indicators (2 or More Required):</p> <p style="margin-left: 20px;"><input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches</p> <p style="margin-left: 20px;"><input type="checkbox"/> Water-Stained Leaves</p> <p style="margin-left: 20px;"><input type="checkbox"/> Local Soil Survey Data</p> <p style="margin-left: 20px;"><input type="checkbox"/> FAC-Neutral Test</p> <p style="margin-left: 20px;"><input type="checkbox"/> Other (Explain in Remarks)</p>
<p>Field Observations:</p> <p style="margin-left: 40px;">Depth of Surface Water: NA (in.)</p> <p style="margin-left: 40px;">Depth to Free Water: NA (in.)</p> <p style="margin-left: 40px;">Depth to Saturated Soil: NA (in.)</p>	

Remarks: **Wetland hydrology is not present.**

NRCS Slide Review

SOILS

Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes				Series Drainage Class: Poorly drained			
Taxonomy (Subgroup): Typic Endoaquolls				Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Profile Description:							
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	
0	6	Ap	10YR 2/1	NA NA	NA NA	silty clay loam,moist, friable	
6	13	A	10YR 3/1	NA NA	NA NA	gravelly silty clay,moist, friable	
13	22	B	N 4/0	7.5YR 4/6	common distinct	gravelly clay,moist, friable	

Hydric Soil Indicators²:

Indicators for Problematic Hydric Soils¹:

☐ (A1) Histosol

☐ (A2) Histic Epipedon

☐ (A3) Black Histic

☐ (A4) Hydrogen Sulfide

☐ (A5) Stratified Layers

☐ (A10) 2 cm Muck

☐ (A11) Depleted Below Dark Surface

☐ (A12) Thick Dark Surface

☐ (S1) Sandy Mucky Mineral

☐ (S3) 5 cm Mucky Peat or Peat

☐ (S4) Sandy Gleyed Matrix

☐ (S5) Sandy Redox

☐ (S6) Stripped Matrix

☐ (F1) Loamy Mucky Mineral

☐ (F2) Loamy Gleyed Matrix

☐ (F3) Depleted Matrix

☐ (F6) Redox Dark Surface

☐ (F7) Depleted Dark Surface

☐ (F8) Redox Depressions

☐ (A16) Coast Prairie Redox

☐ (F12) Iron-Manganese Masses

☐ Other (Explain in Remarks)

¹Indicators of hydrophytic vegetation and wetland hydrology must be present.

²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)

Remarks: **Hydric soils are not present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is This Sampling Point Within A Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Remarks: **This plot is not located in a wetland.**

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz	Date: 10/09/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-1 Plot ID: S6
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	

Remarks: **This plot is located on an upland island within ws07ne1.**
 Area is tiled.

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover	Species Name	Ind. Status	Stratum	% Cover
1. <i>Solidago altissima</i>	FACU	HERB	25	7. <i>Helianthus grosseserratus</i>	FACW-	HERB	5
2. <i>Aster lateriflorus</i>	FACW-	HERB	5	8. --	--	--	--
3. <i>Pastinaca sativa</i>	UPL	HERB	5	9. --	--	--	--
4. <i>Festuca elatior</i>	UPL	HERB	20	10. --	--	--	--
5. <i>Poa pratensis</i>	FAC-	HERB	20	11. --	--	--	--
6. <i>Aster simplex interior</i>	OBL	HERB	5	12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **0%**

Remarks: **Hydrophytic vegetation is not dominant. Agricultural tile present**

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available	Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	

Remarks: **Wetland hydrology is not present.**
 NRCS Slide Review

SOILS

Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes				Series Drainage Class: Poorly drained				
Taxonomy (Subgroup): Typic Endoaquolls				Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Profile Description:								
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.		
0	10	A	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable		
10	19	Bt	10Y 5/2	10YR 4/6	common distinct	clay, moist, friable		
19	22	Bt	10Y 5/2	10YR 5/8	many prominent	clay, moist, friable		

Hydric Soil Indicators ² : _____ (A1) Histic _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)
--	---

¹Indicators of hydrophytic vegetation and wetland hydrology must be present.

²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)

Remarks: **Hydric soils are present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Remarks: **This plot is not located in wetland.**
 Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since no wetland hydrology is evident and hydrophytic vegetation is not dominant.

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/09/08 County: Will State: Illinois Community ID: Wetland Complex Station ID: WS07SE-1 Plot ID: S7																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: low stream bank adjacent to farmed wetland																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Morus alba</i></td><td>FAC</td><td>TREE</td><td>20</td></tr> <tr><td>2. <i>Elymus virginicus</i></td><td>FACW-</td><td>HERB</td><td>20</td></tr> <tr><td>3. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>50</td></tr> <tr><td>4. <i>Ambrosia trifida</i></td><td>FAC+</td><td>HERB</td><td>5</td></tr> <tr><td>5. <i>Rosa multiflora</i></td><td>FACU</td><td>SHRUB</td><td>2</td></tr> <tr><td>6. <i>Aster lateriflorus</i></td><td>FACW-</td><td>HERB</td><td>2</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Morus alba</i>	FAC	TREE	20	2. <i>Elymus virginicus</i>	FACW-	HERB	20	3. <i>Phalaris arundinacea</i>	FACW+	HERB	50	4. <i>Ambrosia trifida</i>	FAC+	HERB	5	5. <i>Rosa multiflora</i>	FACU	SHRUB	2	6. <i>Aster lateriflorus</i>	FACW-	HERB	2	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Vitis riparia</i></td><td>FACW-</td><td>VINE</td><td>2</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. <i>Vitis riparia</i>	FACW-	VINE	2	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Morus alba</i>	FAC	TREE	20																																																														
2. <i>Elymus virginicus</i>	FACW-	HERB	20																																																														
3. <i>Phalaris arundinacea</i>	FACW+	HERB	50																																																														
4. <i>Ambrosia trifida</i>	FAC+	HERB	5																																																														
5. <i>Rosa multiflora</i>	FACU	SHRUB	2																																																														
6. <i>Aster lateriflorus</i>	FACW-	HERB	2																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Vitis riparia</i>	FACW-	VINE	2																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 80% Remarks: Hydrophytic vegetation is dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input checked="" type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 28 (in.) Depth to Saturated Soil: 25 (in.)					Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																												
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>25</td> <td>A</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silty clay loam, moist, friable</td> </tr> <tr> <td>25</td> <td>31</td> <td>B</td> <td>10YR 3/1</td> <td>5YR 4/4</td> <td>common distinct</td> <td>silty clay loam, wet, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	25	A	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist, friable	25	31	B	10YR 3/1	5YR 4/4	common distinct	silty clay loam, wet, friable																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	25	A	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist, friable																																																											
25	31	B	10YR 3/1	5YR 4/4	common distinct	silty clay loam, wet, friable																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
Remarks: Hydric soils are present. Organic accumulation in Ashkum soils.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/09/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-1 Plot ID: SC-8																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																								
Remarks: Stream bank adjacent to farmed wetland																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> <th style="width:10%;"></th> <th style="width:30%;">Species Name</th> <th style="width:10%;">Ind. Status</th> <th style="width:10%;">Stratum</th> <th style="width:10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Prunus nigra</i></td> <td>FACU-</td> <td>TREE</td> <td>10</td> <td></td> <td>7. <i>Agropyron repens</i></td> <td>FACU</td> <td>HERB</td> <td>40</td> </tr> <tr> <td>2. <i>Morus alba</i></td> <td>FAC</td> <td>TREE</td> <td>10</td> <td></td> <td>8. <i>Phalaris arundinacea</i></td> <td>FACW+</td> <td>HERB</td> <td>15</td> </tr> <tr> <td>3. <i>Acer negundo</i></td> <td>FACW-</td> <td>TREE</td> <td>5</td> <td></td> <td>9. <i>Lonicera tatarica</i></td> <td>FACU</td> <td>SHRUB</td> <td>10</td> </tr> <tr> <td>4. <i>Daucus carota</i></td> <td>UPL</td> <td>HERB</td> <td>5</td> <td></td> <td>10. <i>Rubus allegheniensis</i></td> <td>FACU+</td> <td>SHRUB</td> <td>5</td> </tr> <tr> <td>5. <i>Rosa multiflora</i></td> <td>FACU</td> <td>SHRUB</td> <td>10</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>20</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Prunus nigra</i>	FACU-	TREE	10		7. <i>Agropyron repens</i>	FACU	HERB	40	2. <i>Morus alba</i>	FAC	TREE	10		8. <i>Phalaris arundinacea</i>	FACW+	HERB	15	3. <i>Acer negundo</i>	FACW-	TREE	5		9. <i>Lonicera tatarica</i>	FACU	SHRUB	10	4. <i>Daucus carota</i>	UPL	HERB	5		10. <i>Rubus allegheniensis</i>	FACU+	SHRUB	5	5. <i>Rosa multiflora</i>	FACU	SHRUB	10		11. --	--	--	--	6. <i>Bromus inermis</i>	UPL	HERB	20		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Prunus nigra</i>	FACU-	TREE	10		7. <i>Agropyron repens</i>	FACU	HERB	40																																																																
2. <i>Morus alba</i>	FAC	TREE	10		8. <i>Phalaris arundinacea</i>	FACW+	HERB	15																																																																
3. <i>Acer negundo</i>	FACW-	TREE	5		9. <i>Lonicera tatarica</i>	FACU	SHRUB	10																																																																
4. <i>Daucus carota</i>	UPL	HERB	5		10. <i>Rubus allegheniensis</i>	FACU+	SHRUB	5																																																																
5. <i>Rosa multiflora</i>	FACU	SHRUB	10		11. --	--	--	--																																																																
6. <i>Bromus inermis</i>	UPL	HERB	20		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 33% Remarks: Hydrophytic vegetation is not dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																								
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>10</td> <td>A1</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>10</td> <td>26</td> <td>A2</td> <td>10YR 2/1</td> <td>5YR 3/3</td> <td>common distinct</td> <td>silty clay loam, moist, firm</td> </tr> <tr> <td>26</td> <td>27</td> <td>Bt</td> <td>10YR 3/1.5</td> <td>7.5YR 2.5/3</td> <td>common distinct</td> <td>silty clay, moist, very firm</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	10	A1	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable	10	26	A2	10YR 2/1	5YR 3/3	common distinct	silty clay loam, moist, firm	26	27	Bt	10YR 3/1.5	7.5YR 2.5/3	common distinct	silty clay, moist, very firm																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	10	A1	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable																																																																		
10	26	A2	10YR 2/1	5YR 3/3	common distinct	silty clay loam, moist, firm																																																																		
26	27	Bt	10YR 3/1.5	7.5YR 2.5/3	common distinct	silty clay, moist, very firm																																																																		
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																		
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
Remarks: Hydric soils are not present.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Remarks: This plot is not located in a wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																			
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/09/08 County: Will State: Illinois Community ID: FW Station ID: WS07SE-1 Plot ID: S9																																													
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybeans - crop is stressed																																													
VEGETATION																																																			
Dominant Species (50/20 Rule)																																																			
	<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>																																									
1.	<i>Glycine max</i>	UPL	HERB	50		7.	--	--	--	--																																									
2.	<i>Cyperus rivularis</i>	FACW+	HERB	30		8.	--	--	--	--																																									
3.	--	--	--	--		9.	--	--	--	--																																									
4.	--	--	--	--		10.	--	--	--	--																																									
5.	--	--	--	--		11.	--	--	--	--																																									
6.	--	--	--	--		12.	--	--	--	--																																									
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 50%																																																			
Remarks: Hydrophytic vegetation is not dominant, but is present as a sub-dominant. Sparse crop in depression.																																																			
HYDROLOGY																																																			
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks <input checked="" type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input checked="" type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																														
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 10 (in.) Depth to Saturated Soil: 14 (in.)					Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																														
SOILS																																																			
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ <input checked="" type="checkbox"/> Yes _____ No																																																			
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top Depth</th> <th style="width: 5%;">Bottom Depth</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>10</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silty clay loam, moist to wet, friable</td> </tr> <tr> <td>10</td> <td>22</td> <td>A</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silty clay loam, moist to wet, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	10	Ap	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist to wet, friable	10	22	A	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist to wet, firm																					
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																													
0	10	Ap	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist to wet, friable																																													
10	22	A	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist to wet, firm																																													
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td style="width: 50%;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> </tr> </table>						_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : <table style="width: 100%;"> <tr> <td style="width: 50%;"> _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) </td> </tr> </table>				_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																							
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																		
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																			
Remarks: Hydric soils are present. Organic accumulation in Ashkum soils.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																													
WETLAND DETERMINATION																																																			
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ X Yes _____ No					Hydric Soils Present? _____ X Yes _____ No Is This Sampling Point Within A Wetland? _____ X Yes _____ No																																														
Remarks: This plot is located in a wetland. Hydric soils and wetland hydrology are present, so this area would likely support a dominance of hydrophytic vegetation if it were not actively cropped.																																																			

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																			
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/09/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-1 Plot ID: SC-10																																													
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybeans																																													
VEGETATION																																																			
Dominant Species (50/20 Rule)																																																			
	<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>																																									
1.	Glycine max	UPL	HERB	100		7.	--	--	--	--																																									
2.	--	--	--	--		8.	--	--	--	--																																									
3.	--	--	--	--		9.	--	--	--	--																																									
4.	--	--	--	--		10.	--	--	--	--																																									
5.	--	--	--	--		11.	--	--	--	--																																									
6.	--	--	--	--		12.	--	--	--	--																																									
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																													
Remarks: Hydrophytic vegetation is not dominant.																																																			
HYDROLOGY																																																			
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge _____ X Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																														
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																														
SOILS																																																			
Map Unit Name: Ozaukee silt loam, 6 to 12 percent slopes, severely eroded Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																			
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>13</td> <td>Ap</td> <td>10YR 2.5/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>13</td> <td>22</td> <td>A</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silty clay loam, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	13	Ap	10YR 2.5/1	NA NA	NA NA	silty clay loam, moist, friable	13	22	A	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist, firm																					
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																													
0	13	Ap	10YR 2.5/1	NA NA	NA NA	silty clay loam, moist, friable																																													
13	22	A	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist, firm																																													
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																													
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																													
Remarks: Hydric soils are not present.																																																			
WETLAND DETERMINATION																																																			
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																														
Remarks: This plot is not located in a wetland.																																																			

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz	Date: 10/10/08 County: Will State: Illinois Community ID: Wetland Complex Station ID: WS07SE-1 Plot ID: S11
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)	

Remarks: **Eroded drainage within agricultural field.**
 NRCS slide review site.

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover
1. <i>Setaria faberi</i>	FACU+	HERB	15		7. --	--	--	--
2. <i>Setaria glauca</i>	FAC	HERB	15		8. --	--	--	--
3. <i>Cyperus strigosus</i>	FACW	HERB	15		9. --	--	--	--
4. <i>Glycine max</i>	UPL	HERB	25		10. --	--	--	--
5. <i>Bromus inermis</i>	UPL	HERB	10		11. --	--	--	--
6. <i>Hibiscus trionum</i>	UPL	HERB	5		12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **50%**

Remarks: **Hydrophytic vegetation is not dominant.**

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: 10 (in.) Depth to Free Water: 19 (in.) Depth to Saturated Soil: NA (in.)	Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
---	--

Remarks: **Wetland hydrology is present. Recent precipitation.**
 NRCS Slide Review

SOILS

Map Unit Name: Ozaukee silt loam, 4 to 6 percent slopes, eroded Series Drainage Class: Moderately well drained									
Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Profile Description:									
Top	Bottom		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,			
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	and other soil characteristics.			
0	4	Ap	10YR 2/1	NA	NA	NA	NA	silty clay loam, moist, friable	
4	16	A	10YR 2.5/1	NA	NA	NA	NA	silty clay loam, moist to wet, friable	
16	22	B	N 4/0	10YR 6/8	common	prominent	clay, moist, firm		

Hydric Soil Indicators²:

- | | |
|---|---|
| _____ (A1) Histosol
_____ (A2) Histic Epipedon
_____ (A3) Black Histic
_____ (A4) Hydrogen Sulfide
_____ (A5) Stratified Layers
_____ (A10) 2 cm Muck
_____ (A11) Depleted Below Dark Surface
<input checked="" type="checkbox"/> (A12) Thick Dark Surface
_____ (S1) Sandy Mucky Mineral
_____ (S3) 5 cm Mucky Peat or Peat | _____ (S4) Sandy Gleyed Matrix
_____ (S5) Sandy Redox
_____ (S6) Stripped Matrix
_____ (F1) Loamy Mucky Mineral
_____ (F2) Loamy Gleyed Matrix
_____ (F3) Depleted Matrix
_____ (F6) Redox Dark Surface
_____ (F7) Depleted Dark Surface
_____ (F8) Redox Depressions |
|---|---|

Indicators for Problematic Hydric Soils¹:

- | |
|--|
| _____ (A16) Coast Prairie Redox
_____ (F12) Iron-Manganese Masses
_____ Other (Explain in Remarks) |
|--|

¹Indicators of hydrophytic vegetation and wetland hydrology must be present.

²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)

Remarks: **Hydric soils are present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Remarks: **This plot meets the soil and hydrology criteria, but not the vegetation criterion.**
Hydrophytic vegetation will likely become established if the area is not disturbed.
This plot is located in a wetland.

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz	Date: 10/10/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-1 Plot ID: S12
Do Normal Circumstances Exist On The Site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Site Significantly Disturbed (Atypical Situation)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Area A Potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If yes, define below.)	

Remarks: **Agricultural field.**
 NRCS slide review site.

VEGETATION

Dominant Species (50/20 Rule)

Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover
1. Glycine max	UPL	HERB	50		7. --	--	--	--
2. --	--	--	--		8. --	--	--	--
3. --	--	--	--		9. --	--	--	--
4. --	--	--	--		10. --	--	--	--
5. --	--	--	--		11. --	--	--	--
6. --	--	--	--		12. --	--	--	--

Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): **0%**

Remarks: **Hydrophytic vegetation is not dominant.**

HYDROLOGY

<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available	Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)	

Remarks: **Wetland hydrology is not present.**
 NRCS Slide Review

SOILS

Map Unit Name: Ozaukee silt loam, 4 to 6 percent slopes, eroded Series Drainage Class: Moderately well drained									
Taxonomy (Subgroup): Oxyaquic Hapludalfs				Field Observations Confirm Mapped Type? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Profile Description:									
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
0	3	Ap	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable			
3	12	A	10YR 3/1	NA NA	NA NA	silty clay, moist, friable			
12	21	B	10YR 3/2	NA NA	NA NA	clay, moist, friable			

Hydric Soil Indicators²:

_____ (A1) Histosol
 _____ (A2) Histic Epipedon
 _____ (A3) Black Histic
 _____ (A4) Hydrogen Sulfide
 _____ (A5) Stratified Layers
 _____ (A10) 2 cm Muck
 _____ (A11) Depleted Below Dark Surface
 _____ (A12) Thick Dark Surface
 _____ (S1) Sandy Mucky Mineral
 _____ (S3) 5 cm Mucky Peat or Peat

_____ (S4) Sandy Gleyed Matrix
 _____ (S5) Sandy Redox
 _____ (S6) Stripped Matrix
 _____ (F1) Loamy Mucky Mineral
 _____ (F2) Loamy Gleyed Matrix
 _____ (F3) Depleted Matrix
 _____ (F6) Redox Dark Surface
 _____ (F7) Depleted Dark Surface
 _____ (F8) Redox Depressions

Indicators for Problematic Hydric Soils¹:

_____ (A16) Coast Prairie Redox
 _____ (F12) Iron-Manganese Masses
 _____ Other (Explain in Remarks)

¹Indicators of hydrophytic vegetation and wetland hydrology must be present.

²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)

Remarks: **Hydric soils are not present.**

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Hydric Soils Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is This Sampling Point Within A Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Remarks: **This plot is not located in a wetland.**

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/10/08 County: Will State: Illinois Community ID: Wetland Complex Station ID: WS07SE-1 Plot ID: S13																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																								
Remarks: This plot is located in an agricultural drainage. Probably the result of a broken drain tile. NRCS slide review site.																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Setaria glauca</i></td> <td>FAC</td> <td>HERB</td> <td>15</td> <td></td> <td>7. <i>Zea mays</i></td> <td>UPL</td> <td>HERB</td> <td>10</td> </tr> <tr> <td>2. <i>Typha latifolia</i></td> <td>OBL</td> <td>HERB</td> <td>15</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Panicum dichotomiflorum</i></td> <td>FACW-</td> <td>HERB</td> <td>10</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Chenopodium album</i></td> <td>FAC-</td> <td>HERB</td> <td>10</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Echinochloa crusgalli</i></td> <td>FACW</td> <td>HERB</td> <td>5</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Salix sp.</i></td> <td>unknown</td> <td>SHRUB</td> <td>5</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Setaria glauca</i>	FAC	HERB	15		7. <i>Zea mays</i>	UPL	HERB	10	2. <i>Typha latifolia</i>	OBL	HERB	15		8. --	--	--	--	3. <i>Panicum dichotomiflorum</i>	FACW-	HERB	10		9. --	--	--	--	4. <i>Chenopodium album</i>	FAC-	HERB	10		10. --	--	--	--	5. <i>Echinochloa crusgalli</i>	FACW	HERB	5		11. --	--	--	--	6. <i>Salix sp.</i>	unknown	SHRUB	5		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Setaria glauca</i>	FAC	HERB	15		7. <i>Zea mays</i>	UPL	HERB	10																																																																
2. <i>Typha latifolia</i>	OBL	HERB	15		8. --	--	--	--																																																																
3. <i>Panicum dichotomiflorum</i>	FACW-	HERB	10		9. --	--	--	--																																																																
4. <i>Chenopodium album</i>	FAC-	HERB	10		10. --	--	--	--																																																																
5. <i>Echinochloa crusgalli</i>	FACW	HERB	5		11. --	--	--	--																																																																
6. <i>Salix sp.</i>	unknown	SHRUB	5		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 60% Remarks: Hydrophytic vegetataion is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks <input checked="" type="checkbox"/> Drift Lines _____ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																								
Remarks: Wetland hydrology is present. NRCS Slide Review																																																																								
SOILS																																																																								
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, eroder Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>6</td> <td>Ap</td> <td>10YR 3/2</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>6</td> <td>12</td> <td>A</td> <td>10YR 4/2</td> <td>10YR 5/8</td> <td>common distinct</td> <td>gravel mixed in silty clay, moist, friable</td> </tr> <tr> <td>12</td> <td>21</td> <td>B</td> <td>10YR 4/2</td> <td>10YR 5/8</td> <td>common prominent</td> <td>clay, moist, firm</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	6	Ap	10YR 3/2	NA NA	NA NA	silty clay loam, moist, friable	6	12	A	10YR 4/2	10YR 5/8	common distinct	gravel mixed in silty clay, moist, friable	12	21	B	10YR 4/2	10YR 5/8	common prominent	clay, moist, firm																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	6	Ap	10YR 3/2	NA NA	NA NA	silty clay loam, moist, friable																																																																		
6	12	A	10YR 4/2	10YR 5/8	common distinct	gravel mixed in silty clay, moist, friable																																																																		
12	21	B	10YR 4/2	10YR 5/8	common prominent	clay, moist, firm																																																																		
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix <input checked="" type="checkbox"/> (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																		
						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
Remarks: Hydric soils are present.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Remarks: This plot is located in a wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/10/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-1 Plot ID: S14																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: This plot is located along side an agricultural drainage. NRCS slide review site.																																																											
VEGETATION Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Zea mays</td><td>UPL</td><td>HERB</td><td>60</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Zea mays	UPL	HERB	60	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Zea mays	UPL	HERB	60																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology is not present.																																																												
Remarks: Wetland hydrology is not present.																																																																	
SOILS																																																																	
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, eroder Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																																	
Profile Description:																																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Depth	Depth																																																																
0	2	Ap	10YR 3/2	NA NA	NA NA	silty clay loam, moist, friable																																																											
2	12	A	10YR 4/2	10YR 3/2	common distinct	clay, moist, friable																																																											
12	21	B	10Y 5/1	10YR 5/8	common prominent	clay, moist, friable																																																											
Hydric Soil Indicators ² :						Indicators for Problematic Hydric Soils ¹ :																																																											
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																											
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are not present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																												
Remarks: This plot is not located in wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/09/08 County: Will State: Illinois Community ID: Wetland Complex Station ID: WS07SE-1 Plot ID: S15																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: BEECHER MARSH. This plot is located along the edge of an agricultural field.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>50</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	50	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Phalaris arundinacea</i>	FACW+	HERB	50																																																												
2. --	--	--	--																																																												
3. --	--	--	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.																																																															
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																										
Remarks: Wetland hydrology is present. NRCS Slide Review																																																															
SOILS																																																															
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																															
Profile Description:																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Depth	Depth																																																														
0	11	Ap	10YR 2/1	5Y 4/6	common distinct	oxidized rhizospheres, organics silty clay loam, moist, friable																																																									
11	20	A	N 2.5/0	NA NA	NA NA	organics clay, moist, friable																																																									
Hydric Soil Indicators ² :																																																															
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat			_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions			Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																									
Remarks: Hydric soils are present.																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																										
Remarks: This plot is located in a wetland.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)									
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/09/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-1 Plot ID: S16			
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Plot is located in an agricultural field.			
VEGETATION									
Dominant Species (50/20 Rule)									
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>					
1. <i>Glycine max</i> UPL HERB 80				7. -- -- -- --					
2. -- -- -- --				8. -- -- -- --					
3. -- -- -- --				9. -- -- -- --					
4. -- -- -- --				10. -- -- -- --					
5. -- -- -- --				11. -- -- -- --					
6. -- -- -- --				12. -- -- -- --					
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%									
Remarks: Hydrophytic vegetation is not dominant.									
HYDROLOGY									
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)				
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology is not present. NRCS Slide Review				
SOILS									
Map Unit Name: Drummer silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained									
Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ X Yes _____ No									
Profile Description:									
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
0	11	Ap	10YR 3/1	NA NA	NA NA	silty clay loam, moist, friable			
11	17	A	10YR 4/1	NA NA	NA NA	silty clay, moist, friable			
17	23	B	10YR 4/1	10YR 2/1 10YR 5/8	common distinct common distinct	sandy clay, moist, very friable			
Hydric Soil Indicators ² :						Indicators for Problematic Hydric Soils ¹ :			
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat			_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions			_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)			
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)			
Remarks: Hydric soils are not present.									
WETLAND DETERMINATION									
Hydrophytic Vegetation Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No				
Wetland Hydrology Present? _____ Yes _____ X No					Is This Sampling Point Within A Wetland? _____ Yes _____ X No				
Remarks: This plot is not located in a wetland.									

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/09/08 County: Will State: Illinois Community ID: Wetland Complex Station ID: WS07SE-1 Plot ID: S17																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Extension of BEECHER MARSH. This plot is located along the edge of an agricultural field.																																																											
Remarks: Extension of BEECHER MARSH. This plot is located along the edge of an agricultural field.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Phalaris arundinacea</i>	FACW+	HERB	100																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 15 (in.) Depth to Saturated Soil: 11 (in.)					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Remarks: Wetland hydrology is present. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Andres silt loam, 2 to 5 percent slopes Series Drainage Class: somewhat poorly drained Taxonomy (Subgroup): Aquic Argiudolls Field Observations Confirm Mapped Type? _____ Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>4</td> <td>Ap</td> <td>10YR</td> <td>3/1</td> <td>NA</td> <td>muck, moist, friable</td> </tr> <tr> <td>4</td> <td>16</td> <td>A</td> <td>10YR</td> <td>3/1</td> <td>NA</td> <td>clay loam, moist, friable</td> </tr> <tr> <td>16</td> <td>23</td> <td>B</td> <td>10YR</td> <td>4/1</td> <td>5/6</td> <td>common</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>distinct</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>clay, moist, friable</td> </tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	4	Ap	10YR	3/1	NA	muck, moist, friable	4	16	A	10YR	3/1	NA	clay loam, moist, friable	16	23	B	10YR	4/1	5/6	common							distinct							clay, moist, friable														
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	4	Ap	10YR	3/1	NA	muck, moist, friable																																																											
4	16	A	10YR	3/1	NA	clay loam, moist, friable																																																											
16	23	B	10YR	4/1	5/6	common																																																											
						distinct																																																											
						clay, moist, friable																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers <input checked="" type="checkbox"/> (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Sarah Johnson #2: Tory Schultz						Date: 10/09/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-1 Plot ID: S18																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.) _____																																																																	
Remarks: This plot is located in an agricultural field.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Glycine max</i></td><td>UPL</td><td>HERB</td><td>80</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Glycine max</i>	UPL	HERB	80	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Glycine max</i>	UPL	HERB	80																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Remarks: Wetland hydrology is not present. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Andres silt loam, 2 to 5 percent slopes Series Drainage Class: somewhat poorly drained Taxonomy (Subgroup): Aquic Argiudolls Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>9</td> <td>Ap</td> <td>10YR</td> <td>3/1</td> <td>NA</td> <td>NA</td> <td>silty clay loam,moist, friable</td> </tr> <tr> <td>9</td> <td>14</td> <td>A</td> <td>10YR</td> <td>3/2</td> <td>10YR</td> <td>5/8</td> <td>few distinct clay loam,moist, friable</td> </tr> <tr> <td>14</td> <td>21</td> <td>B</td> <td>10YR</td> <td>4/1</td> <td>10YR</td> <td>5/8</td> <td>common prominent clay,moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	9	Ap	10YR	3/1	NA	NA	silty clay loam,moist, friable	9	14	A	10YR	3/2	10YR	5/8	few distinct clay loam,moist, friable	14	21	B	10YR	4/1	10YR	5/8	common prominent clay,moist, friable																									
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	9	Ap	10YR	3/1	NA	NA	silty clay loam,moist, friable																																																										
9	14	A	10YR	3/2	10YR	5/8	few distinct clay loam,moist, friable																																																										
14	21	B	10YR	4/1	10YR	5/8	common prominent clay,moist, friable																																																										
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
_____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: Hydric soils are not present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																												
Remarks: This plot is not located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: R. West						Date: 10/21/08 County: Will State: Illinois Community ID: Wetland Complex Station ID: WS07SE-1 Plot ID: S19																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Soil core shows signs of disturbance; buried horizon																																																											
Remarks: Soil core shows signs of disturbance; buried horizon																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Sanicula gregaria</i></td><td>FAC+</td><td>HERB</td><td>60</td></tr> <tr><td>2. <i>Geum canadense</i></td><td>FAC</td><td>HERB</td><td>30</td></tr> <tr><td>3. <i>Cornus foemina</i></td><td>FACW-</td><td>SHRUB</td><td>10</td></tr> <tr><td>4. <i>Lonicera tatarica</i></td><td>UPL</td><td>HERB</td><td>50</td></tr> <tr><td>5. <i>Sambucus canadensis</i></td><td>FACW-</td><td>SHRUB</td><td>15</td></tr> <tr><td>6. <i>Acer negundo</i></td><td>FACW-</td><td>TREE</td><td>60</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Sanicula gregaria</i>	FAC+	HERB	60	2. <i>Geum canadense</i>	FAC	HERB	30	3. <i>Cornus foemina</i>	FACW-	SHRUB	10	4. <i>Lonicera tatarica</i>	UPL	HERB	50	5. <i>Sambucus canadensis</i>	FACW-	SHRUB	15	6. <i>Acer negundo</i>	FACW-	TREE	60	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Morus alba</i></td><td>FAC</td><td>TREE</td><td>10</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. <i>Morus alba</i>	FAC	TREE	10	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Sanicula gregaria</i>	FAC+	HERB	60																																																														
2. <i>Geum canadense</i>	FAC	HERB	30																																																														
3. <i>Cornus foemina</i>	FACW-	SHRUB	10																																																														
4. <i>Lonicera tatarica</i>	UPL	HERB	50																																																														
5. <i>Sambucus canadensis</i>	FACW-	SHRUB	15																																																														
6. <i>Acer negundo</i>	FACW-	TREE	60																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Morus alba</i>	FAC	TREE	10																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 83%						Remarks: Hydrophytic vegetation is dominant.																																																											
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is present. NRCS Slide Review																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam						Series Drainage Class: Poorly drained																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																											
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	12	A	10YR 2/1	NA NA	NA NA	Mucky, sandy loam; moist, friable																																																											
12	16	B	10YR 5/1	10YR 5/6	many prominent common distinct	Sandy clay loam; moist, friable																																																											
16	22	B2	10YR 2/1	NA NA	NA NA	Mucky, sandy loam; moist friable																																																											
Hydric Soil Indicators ² :						Indicators for Problematic Hydric Soils ¹ :																																																											
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat			_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions			_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
Remarks: Hydric soils are present. Soil core shows signs of disturbance; buried horizon						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R. West						Date: 10/21/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-1 Plot ID: S20																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: --																																																																		
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 25%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Geum canadense</i></td> <td>FAC</td> <td>HERB</td> <td>30</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Lonicera tatarica</i></td> <td>FACU</td> <td>SHRUB</td> <td>60</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Elaeagnus umbellata</i></td> <td>UPL</td> <td>SHRUB</td> <td>10</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Morus alba</i></td> <td>FAC</td> <td>TREE</td> <td>10</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Acer negundo</i></td> <td>FACW-</td> <td>TREE</td> <td>10</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Geum canadense</i>	FAC	HERB	30		7. --	--	--	--	2. <i>Lonicera tatarica</i>	FACU	SHRUB	60		8. --	--	--	--	3. <i>Elaeagnus umbellata</i>	UPL	SHRUB	10		9. --	--	--	--	4. <i>Morus alba</i>	FAC	TREE	10		10. --	--	--	--	5. <i>Acer negundo</i>	FACW-	TREE	10		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Geum canadense</i>	FAC	HERB	30		7. --	--	--	--																																																																
2. <i>Lonicera tatarica</i>	FACU	SHRUB	60		8. --	--	--	--																																																																
3. <i>Elaeagnus umbellata</i>	UPL	SHRUB	10		9. --	--	--	--																																																																
4. <i>Morus alba</i>	FAC	TREE	10		10. --	--	--	--																																																																
5. <i>Acer negundo</i>	FACW-	TREE	10		11. --	--	--	--																																																																
6. --	--	--	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 75% Remarks: Hydrophytic vegetation is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. NRCS Slide Review																																																																			
SOILS																																																																								
Map Unit Name: Ozaukee silt loam Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th colspan="2">Matrix Color (Munsell Moist):</th> <th colspan="2">Mottle Colors (Munsell Moist):</th> <th colspan="2">Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>12</td> <td>A1</td> <td>2.5Y</td> <td>2.5/1</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>Mucky, sal; moist, friable</td> </tr> <tr> <td>12</td> <td>20</td> <td>A2</td> <td>2.5Y</td> <td>5/6</td> <td>2.5Y</td> <td>2.5/1</td> <td>common</td> <td>prominent</td> <td>Loamy sand; moist</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast		Texture, moisture, consistency, organic material, and other soil characteristics.	0	12	A1	2.5Y	2.5/1	NA	NA	NA	NA	Mucky, sal; moist, friable	12	20	A2	2.5Y	5/6	2.5Y	2.5/1	common	prominent	Loamy sand; moist																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast		Texture, moisture, consistency, organic material, and other soil characteristics.																																																															
0	12	A1	2.5Y	2.5/1	NA	NA	NA	NA	Mucky, sal; moist, friable																																																															
12	20	A2	2.5Y	5/6	2.5Y	2.5/1	common	prominent	Loamy sand; moist																																																															
<table style="width: 100%;"> <tr> <td style="width: 40%;"> Hydric Soil Indicators²: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 40%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> <td style="width: 20%;"> Indicators for Problematic Hydric Soils¹: _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) </td> </tr> </table>										Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																												
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																						
<div style="display: flex; justify-content: space-between;"> <div> ¹Indicators of hydrophytic vegetation and wetland hydrology must be present. </div> <div> ²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006) </div> </div>																																																																								
Remarks: Hydric soils are present. Profile similar to wetland sample																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Remarks: This plot is not located in wetland.																																																																								

DATA FORM										
ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)										
Project/Site: Inaugural South Suburban Airport						Date: 10/10/08				
Applicant/Owner: Illinois Department of Transportation						County: Will				
Investigator #1: Ann Amelse #2: Robert Page						State: Illinois				
Do Normal Circumstances Exist On The Site? <u> </u> X Yes <u> </u> No						Community ID: PEM				
Is The Site Significantly Disturbed (Atypical Situation)? <u> </u> Yes <u> </u> X No						Station ID: WS07SE-1				
Is The Area A Potential Problem Area? <u> </u> Yes <u> </u> X No						Plot ID: S21				
(If yes, define below.)										
Remarks: stream channel, no soil core taken because of distinct topographic change, inundation, and hydrophytic vegetation										
VEGETATION										
Dominant Species (50/20 Rule)										
<u>Species Name</u>				<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>	<u>Species Name</u>			
1. Acer negundo				FACW-	TREE	5	7. --			
2. Phalaris arundinacea				FACW+	HERB	10	8. --			
3. --				--	--	--	9. --			
4. --				--	--	--	10. --			
5. --				--	--	--	11. --			
6. --				--	--	--	12. --			
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						100%				
Remarks: Hydrophytic vegetation is dominant.										
HYDROLOGY										
X Recorded Data (Describe in Remarks):				Wetland Hydrology Indicators:						
<u> </u> Stream, Lake, Or Tide Gauge				<u> </u> None						
X Aerial Photos				Primary Indicators:						
<u> </u> Other				<u> </u> X Inundated						
<u> </u> No Recorded Data Available				<u> </u> Saturated in Upper 12 Inches						
				<u> </u> X Water Marks						
				<u> </u> X Drift Lines						
				<u> </u> Sediment Deposits						
				<u> </u> Drainage Patterns in Wetlands						
				Secondary Indicators (2 or More Required):						
				<u> </u> Oxidized Root Channels In Upper 12 Inches						
				<u> </u> Water-Stained Leaves						
				<u> </u> Local Soil Survey Data						
				<u> </u> FAC-Neutral Test						
				<u> </u> Other (Explain in Remarks)						
Remarks: Wetland hydrology is present.										
Aerial photos used for NRCS slide review.										
SOILS										
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes				Series Drainage Class:		Poorly drained				
Taxonomy (Subgroup): Typic Endoaquolls				Field Observations Confirm Mapped Type?		No soil core collected <u> </u> Yes <u> </u> No				
Profile Description:										
Top	Bottom		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,				
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	and other soil characteristics.				
Hydric Soil Indicators ² :										
Indicators for Problematic Hydric Soils ¹ :										
<u> </u> (A1) Histosol			<u> </u> (S4) Sandy Gleyed Matrix			<u> </u> (A16) Coast Prairie Redox				
<u> </u> (A2) Histic Epipedon			<u> </u> (S5) Sandy Redox			<u> </u> (F12) Iron-Manganese Masses				
<u> </u> (A3) Black Histic			<u> </u> (S6) Stripped Matrix			<u> </u> Other (Explain in Remarks)				
<u> </u> (A4) Hydrogen Sulfide			<u> </u> (F1) Loamy Mucky Mineral							
<u> </u> (A5) Stratified Layers			<u> </u> (F2) Loamy Gleyed Matrix							
<u> </u> (A10) 2 cm Muck			<u> </u> (F3) Depleted Matrix							
<u> </u> (A11) Depleted Below Dark Surface			<u> </u> (F6) Redox Dark Surface							
<u> </u> (A12) Thick Dark Surface			<u> </u> (F7) Depleted Dark Surface							
<u> </u> (S1) Sandy Mucky Mineral			<u> </u> (F8) Redox Depressions							
<u> </u> (S3) 5 cm Mucky Peat or Peat										
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.										
² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)										
Remarks: No soil core taken in stream channel. Hydric soils are assumed to be present based on the inundated conditions and dominance of hydrophytic vegetation.										
WETLAND DETERMINATION										
Hydrophytic Vegetation Present? <u> </u> X Yes <u> </u> No				Hydric Soils Present? <u> </u> * Yes <u> </u> No						
Wetland Hydrology Present? <u> </u> X Yes <u> </u> No				Is This Sampling Point Within A Wetland? <u> </u> X Yes <u> </u> No						
Remarks: This plot is located in a wetland.										
No soil core taken in stream channel. Hydric soils are assumed to be present based on the inundated conditions and dominance of hydrophytic vegetation.										

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																				
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robert Page						Date: 10/10/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-1 Plot ID: SC-22																																																														
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks:																																																														
VEGETATION Dominant Species (50/20 Rule) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>60</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Solidago altissima</i></td> <td>FACU</td> <td>HERB</td> <td>10</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Setaria faberi</i></td> <td>FACU+</td> <td>HERB</td> <td>5</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Festuca elatior</i></td> <td>UPL</td> <td>HERB</td> <td>5</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Poa compressa</i></td> <td>FACU+</td> <td>HERB</td> <td>10</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. <i>Ambrosia artemisiifolia</i></td> <td>FACU</td> <td>HERB</td> <td>10</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	60		7. --	--	--	--	2. <i>Solidago altissima</i>	FACU	HERB	10		8. --	--	--	--	3. <i>Setaria faberi</i>	FACU+	HERB	5		9. --	--	--	--	4. <i>Festuca elatior</i>	UPL	HERB	5		10. --	--	--	--	5. <i>Poa compressa</i>	FACU+	HERB	10		11. --	--	--	--	6. <i>Ambrosia artemisiifolia</i>	FACU	HERB	10	
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Bromus inermis</i>	UPL	HERB	60		7. --	--	--	--																																																												
2. <i>Solidago altissima</i>	FACU	HERB	10		8. --	--	--	--																																																												
3. <i>Setaria faberi</i>	FACU+	HERB	5		9. --	--	--	--																																																												
4. <i>Festuca elatior</i>	UPL	HERB	5		10. --	--	--	--																																																												
5. <i>Poa compressa</i>	FACU+	HERB	10		11. --	--	--	--																																																												
6. <i>Ambrosia artemisiifolia</i>	FACU	HERB	10		12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.						HYDROLOGY <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other </div> <input type="checkbox"/> No Recorded Data Available </div> <div style="width: 50%;"> Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) </div> </div>																																																														
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)										Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																										
SOILS Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																				
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th style="width: 5%;">Top Depth</th> <th style="width: 5%;">Bottom Depth</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>21</td> <td>A</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silt loam, moist, friable</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	21	A	10YR 2/1	NA NA	NA NA	silt loam, moist, friable																																													
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																														
0	21	A	10YR 2/1	NA NA	NA NA	silt loam, moist, friable																																																														
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td style="width: 33%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 33%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </td> <td style="width: 33%;"> <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </td> </tr> </table>						<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)	Indicators for Problematic Hydric Soils ¹ : ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																											
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																		
Remarks: Hydric soils are not present. Soil profile matches Ashkum but no redox found.						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																														
WETLAND DETERMINATION Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Remarks: This plot is not located in a wetland.																																																																				

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robert Page						Date: 10/10/08 County: Will State: Illinois Community ID: PEM Station ID: WS07SE-1 Plot ID: S23																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Mowed, tiled grassed waterway.																																																											
(If yes, define below.)																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>40</td></tr> <tr><td>2. <i>Poa compressa</i></td><td>FACU+</td><td>HERB</td><td>20</td></tr> <tr><td>3. <i>Agrostis alba</i></td><td>FACW</td><td>HERB</td><td>30</td></tr> <tr><td>4. <i>Festuca elatior</i></td><td>UPL</td><td>HERB</td><td>10</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	40	2. <i>Poa compressa</i>	FACU+	HERB	20	3. <i>Agrostis alba</i>	FACW	HERB	30	4. <i>Festuca elatior</i>	UPL	HERB	10	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Phalaris arundinacea</i>	FACW+	HERB	40																																																														
2. <i>Poa compressa</i>	FACU+	HERB	20																																																														
3. <i>Agrostis alba</i>	FACW	HERB	30																																																														
4. <i>Festuca elatior</i>	UPL	HERB	10																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 67%																																																																	
Remarks: Hydrophytic vegetation is dominant. Ag drain tile brings drainage from east toward beecher marsh																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)				Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																													
(Empty field for additional observations)																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Taxonomy (Subgroup): Typic Endoaquolls						Series Drainage Class: Poorly drained Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	17	A	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist, friable																																																											
17	22	Bt	2.5Y 4.5/1	2.5YR 5/6	common prominent	silty clay, moist, firm																																																											
Hydric Soil Indicators ² :																																																																	
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat			_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions			Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
Remarks: Hydric soils are present. Organic accumulation in low area of Ashkum																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Remarks: This plot is located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)									
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robert Page						Date: 10/10/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-1 Plot ID: SC-24			
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with corn. 2 photos			
VEGETATION									
Dominant Species (50/20 Rule)									
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	
1. Zea mays	UPL	HERB	80		7. --	--	--	--	
2. --	--	--	--		8. --	--	--	--	
3. --	--	--	--		9. --	--	--	--	
4. --	--	--	--		10. --	--	--	--	
5. --	--	--	--		11. --	--	--	--	
6. --	--	--	--		12. --	--	--	--	
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%									
Remarks: Hydrophytic vegetation is not dominant.									
HYDROLOGY									
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge _____ X Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)				
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.				
SOILS									
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes					Series Drainage Class: Poorly drained				
Taxonomy (Subgroup): Typic Endoaquolls					Field Observations Confirm Mapped Type? _____ X Yes _____ No				
Profile Description:									
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.			
0	7	Ap	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable			
7	8	Bt1	10YR 3/1	2.5Y 4/3	common prominent	silty clay, moist, friable			
8	17	Bt2	10YR 4/1	2.5Y 4/3	common distinct	clay, moist, friable			
17	21	Bt3	2.5Y 4.5/1	2.5Y 5/4	common distinct	clay, moist, friable			
Hydric Soil Indicators ² :									
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck X (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix X (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions				
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)					¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)				
Remarks: Hydric soils are present.									
WETLAND DETERMINATION									
Hydrophytic Vegetation Present? _____ Yes _____ X No					Hydric Soils Present? _____ X Yes _____ No				
Wetland Hydrology Present? _____ Yes _____ X No					Is This Sampling Point Within A Wetland? _____ Yes _____ X No				
Remarks: This plot is not located in a wetland. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since no wetland hydrology is evident and crop does not appear to be stressed.									

Site: SSA Inaugural Delineation
 Locale: WS07SE7
 Date: October 21, 2008 1 hours
 By: AECOM: T.Radke; R.West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS07SE7.inv

FLORISTIC QUALITY DATA	Native	5	71.4%	Adventive	2	28.6%
5 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
7 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
1.6 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
1.1 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
3.6 NATIVE FQI	P-Forb	3	42.9%	P-Forb	0	0.0%
3.0 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-0.4 NATIVE MEAN W	A-Forb	1	14.3%	A-Forb	0	0.0%
-0.9 W/Adventives	P-Grass	0	0.0%	P-Grass	1	14.3%
AVG: Faculative	A-Grass	1	14.3%	A-Grass	1	14.3%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C	SCIENTIFIC NAME	W	WETNESS	PHYSIOGNOMY	COMMON NAME
AMBARE	0	Ambrosia artemisiifolia elatior	3	FACU	Nt A-Forb	COMMON RAGWEED
ECHCRU	0	Echinochloa crusgalli	-3	FACW	Nt A-Grass	BARNYARD GRASS
EPICOL	3	Epilobium coloratum	-5	OBL	Nt P-Forb	CINNAMON WILLOW HERB
JUNDUD	4	Juncus dudleyi	0	[FAC]	Nt P-Forb	DUDLEY'S RUSH
PHAARU	0	PHALARIS ARUNDINACEA	-4	FACW+	Ad P-Grass	REED CANARY GRASS
SETGLA	0	SETARIA GLAUCA	0	FAC	Ad A-Grass	YELLOW FOXTAIL
SOLALT	1	Solidago altissima	3	FACU	Nt P-Forb	TALL GOLDENROD

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: R. West						Date: 10/21/08 County: Will State: Illinois Community ID: FW Station ID: WS07SE-7 Plot ID: SC-2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks:																																																											
Remarks:																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>30</td></tr> <tr><td>2. <i>Setaria glauca</i></td><td>FAC</td><td>HERB</td><td>10</td></tr> <tr><td>3. <i>Echinochloa crusgalli</i></td><td>FACW</td><td>HERB</td><td>30</td></tr> <tr><td>4. <i>Juncus dudleyi</i></td><td>FAC</td><td>HERB</td><td>30</td></tr> <tr><td>5. <i>Epilobium coloratum</i></td><td>OBL</td><td>HERB</td><td>20</td></tr> <tr><td>6. <i>Solidago altissima</i></td><td>FACU</td><td>HERB</td><td>10</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	30	2. <i>Setaria glauca</i>	FAC	HERB	10	3. <i>Echinochloa crusgalli</i>	FACW	HERB	30	4. <i>Juncus dudleyi</i>	FAC	HERB	30	5. <i>Epilobium coloratum</i>	OBL	HERB	20	6. <i>Solidago altissima</i>	FACU	HERB	10	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Phalaris arundinacea</i>	FACW+	HERB	30																																																														
2. <i>Setaria glauca</i>	FAC	HERB	10																																																														
3. <i>Echinochloa crusgalli</i>	FACW	HERB	30																																																														
4. <i>Juncus dudleyi</i>	FAC	HERB	30																																																														
5. <i>Epilobium coloratum</i>	OBL	HERB	20																																																														
6. <i>Solidago altissima</i>	FACU	HERB	10																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%						Remarks: Hydrophytic vegetation is dominant.																																																											
Remarks:																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input checked="" type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is present. NRCS review; crayfish burrows; tractor ruts. Inundation recent and remaining in part																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam						Series Drainage Class: Poorly drained																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	12	A	10YR 2/1	2.5Y 5/3	common prominent	Mucky, silty clay loam; moist, friable Silty clay; moist, firm; organic deposition; sandstone fragments throughout																																																											
12	20	B	10YR 4/1	2.5Y 4/2	common distinct																																																												
Hydric Soil Indicators ² :																																																																	
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat			<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions			Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																											
Remarks: Hydric soils are present.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in a wetland. Bare, recently inundated area with small puddles remaining and tire ruts.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R. West						Date: 10/21/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-7 Plot ID: S1																																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Cultivated field; vegetation parameter missing																																																																									
VEGETATION Dominant Species (50/20 Rule)																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Species Name</th> <th style="width: 15%;">Ind. Status</th> <th style="width: 15%;">Stratum</th> <th style="width: 15%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>80</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	80	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Species Name</th> <th style="width: 15%;">Ind. Status</th> <th style="width: 15%;">Stratum</th> <th style="width: 15%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--																
Species Name	Ind. Status	Stratum	% Cover																																																																												
1. Glycine max	UPL	HERB	80																																																																												
2. --	--	--	--																																																																												
3. --	--	--	--																																																																												
4. --	--	--	--																																																																												
5. --	--	--	--																																																																												
6. --	--	--	--																																																																												
Species Name	Ind. Status	Stratum	% Cover																																																																												
7. --	--	--	--																																																																												
8. --	--	--	--																																																																												
9. --	--	--	--																																																																												
10. --	--	--	--																																																																												
11. --	--	--	--																																																																												
12. --	--	--	--																																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.						HYDROLOGY <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input checked="" type="checkbox"/> Other (Describe in Remarks) _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.) </div> <div style="width: 50%;"> Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks) </div> </div>																																																																									
Remarks: NRCS review; soybeans growing but shorter and somewhat sparser. Location is in slight depression																																																																															
SOILS Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Profile Description:</th> <th colspan="2">Matrix Color</th> <th colspan="2">Mottle Colors</th> <th colspan="2">Mottle</th> <th colspan="2">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>(Munsell Moist):</th> <th>(Munsell Moist):</th> <th>Abundance/Contrast</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>10</td> <td>A</td> <td>2.5Y</td> <td>4/3</td> <td>10YR</td> <td>3/2</td> <td>common</td> <td>distinct</td> <td>Gravelly Silty clay loam; moist, firm</td> </tr> <tr> <td>10</td> <td>20</td> <td>B</td> <td>5Y</td> <td>6/1</td> <td>2.5Y</td> <td>5/4</td> <td>many</td> <td>distinct</td> <td>Gravelly clay; moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Profile Description:		Matrix Color		Mottle Colors		Mottle		Texture, moisture, consistency, organic material, and other soil characteristics.		Top Depth	Bottom Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast					0	10	A	2.5Y	4/3	10YR	3/2	common	distinct	Gravelly Silty clay loam; moist, firm	10	20	B	5Y	6/1	2.5Y	5/4	many	distinct	Gravelly clay; moist, firm																														
Profile Description:		Matrix Color		Mottle Colors		Mottle		Texture, moisture, consistency, organic material, and other soil characteristics.																																																																							
Top Depth	Bottom Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast																																																																										
0	10	A	2.5Y	4/3	10YR	3/2	common	distinct	Gravelly Silty clay loam; moist, firm																																																																						
10	20	B	5Y	6/1	2.5Y	5/4	many	distinct	Gravelly clay; moist, firm																																																																						
Hydric Soil Indicators ² : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 45%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </div> </div>						Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																									
Remarks: Hydric soils are not present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																									
WETLAND DETERMINATION Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No Remarks: This plot is not located in wetland.																																																																															

Site: SSA Inaugural Delineation
 Locale: WS07SE6
 Date: October 16, 2008 1 hours
 By: AECOM; T.Radke; M.Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS07SE8.inv

FLORISTIC QUALITY DATA	Native	7	58.3%	Adventive	5	41.7%
7 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
12 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
0.9 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.5 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
2.3 NATIVE FQI	P-Forb	3	25.0%	P-Forb	0	0.0%
1.7 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-1.6 NATIVE MEAN W	A-Forb	2	16.7%	A-Forb	2	16.7%
-0.7 W/Adventives	P-Grass	0	0.0%	P-Grass	1	8.3%
AVG: Fac. Wetland (-)	A-Grass	2	16.7%	A-Grass	2	16.7%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0 ABUTILON THEOPHRASTII	4 FACU-	Ad A-Forb	VELVETLEAF
AMBARE	0 Ambrosia artemisiifolia elatior	3 FACU	Nt A-Forb	COMMON RAGWEED
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
ERIPHI	4 Erigeron philadelphicus	-3 FACW	Nt P-Forb	MARSH FLEABANE
PANDII	0 Panicum dichotomiflorum	-2 FACW-	Nt A-Grass	KNEE GRASS
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
SOLALT	1 Solidago altissima	3 FACU	Nt P-Forb	TALL GOLDENROD
TYPANG	1 Typha angustifolia	-5 OBL	Nt P-Forb	NARROW-LEAVED CATTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: M.Hildreth						Date: 10/16/08 County: Will State: Illinois Community ID: PEM Station ID: WS07SE-8 Plot ID: S2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Tiled depression in the middle of crop field																																																											
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Phalaris arundinacea</i>	FACW+	HERB	100																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant. Tall goldenrod (UPL) is present around edges of unit.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input checked="" type="checkbox"/> Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input checked="" type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: >19 (in.) Depth to Saturated Soil: NA (in.)				Remarks: Wetland hydrology is present. Uncropped depression in cropland; NRCS ID																																																													
SOILS																																																																	
Map Unit Name: Blount silt loam Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Aeric Epiaqualfs Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																	
Profile Description: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top Depth</th> <th style="text-align: center;">Bottom Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: left;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">15</td> <td style="text-align: center;">A1</td> <td style="text-align: center;">10YR 2/1</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> <td style="text-align: left;">Clay loam; moist, friable; ox. Rhizosphere; fe concretions</td> </tr> <tr> <td style="text-align: center;">15</td> <td style="text-align: center;">21</td> <td style="text-align: center;">Bt</td> <td style="text-align: center;">10YR 5/1</td> <td style="text-align: center;">10YR 5/6</td> <td style="text-align: center;">common distinct</td> <td style="text-align: left;">Silty clay loam; moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	15	A1	10YR 2/1	NA NA	NA NA	Clay loam; moist, friable; ox. Rhizosphere; fe concretions	15	21	Bt	10YR 5/1	10YR 5/6	common distinct	Silty clay loam; moist, firm																																			
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	15	A1	10YR 2/1	NA NA	NA NA	Clay loam; moist, friable; ox. Rhizosphere; fe concretions																																																											
15	21	Bt	10YR 5/1	10YR 5/6	common distinct	Silty clay loam; moist, firm																																																											
Hydric Soil Indicators ² : <table style="width:100%;"> <tr> <td style="width:50%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </td> <td style="width:50%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </td> </tr> </table>						<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																									
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Remarks: This plot is located in a wetland.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)										
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: M. Hildreth						Date: 10/16/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-8 Plot ID: S1				
Do Normal Circumstances Exist On The Site? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Is The Site Significantly Disturbed (Atypical Situation)? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Is The Area A Potential Problem Area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (If yes, define below.)										
Remarks: Soybean field next to tiled depression. Vegetation parameter altered										
VEGETATION										
Dominant Species (50/20 Rule)										
	<u>Species Name</u>	<u>Ind.Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>
1.	<i>Glycine max</i>	UPL	HERB	100			7.	--	--	--
2.	--	--	--	--			8.	--	--	--
3.	--	--	--	--			9.	--	--	--
4.	--	--	--	--			10.	--	--	--
5.	--	--	--	--			11.	--	--	--
6.	--	--	--	--			12.	--	--	--
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%				
Remarks: Hydrophytic vegetation is not dominant.										
HYDROLOGY										
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)					
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 21.5 (in.) Depth to Saturated Soil: NA (in.)										
Remarks: Wetland hydrology is not present.										
NRCS Slide Review										
SOILS										
Map Unit Name: Beecher silt loam						Series Drainage Class: Somewhat poorly drained				
Taxonomy (Subgroup): Udolic Epiaqualfs						Field Observations Confirm Mapped Type? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				
Profile Description:										
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.				
Depth	Depth									
0	11	A1	10YR 2/1	NA NA	NA NA	Clay; moist, friable				
11	23	B+	10YR 5/1	10YR 5/6	common distinct	Clay; moist, firm organic streaking				
Hydric Soil Indicators ² :										
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions					
Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)										
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.										
² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)										
Remarks: Hydric soils are present.										
WETLAND DETERMINATION										
Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					Hydric Soils Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					Is This Sampling Point Within A Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
Remarks: This plot is not located in wetland.										
Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since no wetland hydrology is evident and hydrophytic vegetation is not dominant.										

DATA FORM										
ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)										
Project/Site: Inaugural South Suburban Airport						Date: 10/21/08				
Applicant/Owner: Illinois Department of Transportation						County: Will				
Investigator #1: AECOM; T.Radke #2: R. West						State: Illinois				
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Community ID: Upland				
Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Station ID: WS07SE-9				
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Plot ID: S1				
(If yes, define below.)										
Remarks: Tiled drainageway excavated in upland soils										
VEGETATION										
Dominant Species (50/20 Rule)										
<i>Species Name</i>				<i>Ind. Status</i>	<i>Stratum</i>	<i>% Cover</i>	<i>Species Name</i>			
1. Phalaris arundinacea				FACW+	HERB	100	7. --			
2. Elaeagnus umbelata				UPL	SHRUB	10	8. --			
3. --				--	--	--	9. --			
4. --				--	--	--	10. --			
5. --				--	--	--	11. --			
6. --				--	--	--	12. --			
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 50%										
Remarks: Hydrophytic vegetation is dominant in channel only; upland trees and shrubs on top of bank										
HYDROLOGY										
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos Other (Describe in Remarks) No Recorded Data Available					Wetland Hydrology Indicators: None Primary Indicators: Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches Water Marks Drift Lines Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): Oxidized Root Channels In Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)					
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 7.5 (in.) Depth to Saturated Soil: NA (in.)										
Remarks: Wetland hydrology is present. Saturated at 10"										
SOILS										
Map Unit Name: Ozaukee silt loam					Series Drainage Class: Moderately well drained					
Taxonomy (Subgroup): Oxyaquic Hapludalfs					Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Profile Description:										
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):		Mottle Colors (Munsell Moist):		Mottle Abundance/Contrast		Texture, moisture, consistency, organic material, and other soil characteristics.	
0	16	A	10YR	3/2	NA	NA	NA	NA	Silty clay loam; moist, friable	
Hydric Soil Indicators ² :										
<input type="checkbox"/> (A1) Histosol					<input type="checkbox"/> (S4) Sandy Gleyed Matrix					
<input type="checkbox"/> (A2) Histic Epipedon					<input type="checkbox"/> (S5) Sandy Redox					
<input type="checkbox"/> (A3) Black Histic					<input type="checkbox"/> (S6) Stripped Matrix					
<input type="checkbox"/> (A4) Hydrogen Sulfide					<input type="checkbox"/> (F1) Loamy Mucky Mineral					
<input type="checkbox"/> (A5) Stratified Layers					<input type="checkbox"/> (F2) Loamy Gleyed Matrix					
<input type="checkbox"/> (A10) 2 cm Muck					<input type="checkbox"/> (F3) Depleted Matrix					
<input type="checkbox"/> (A11) Depleted Below Dark Surface					<input type="checkbox"/> (F6) Redox Dark Surface					
<input type="checkbox"/> (A12) Thick Dark Surface					<input type="checkbox"/> (F7) Depleted Dark Surface					
<input type="checkbox"/> (S1) Sandy Mucky Mineral					<input type="checkbox"/> (F8) Redox Depressions					
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat										
Indicators for Problematic Hydric Soils ¹ :										
<input type="checkbox"/> (A16) Coast Prairie Redox										
<input type="checkbox"/> (F12) Iron-Manganese Masses										
<input type="checkbox"/> Other (Explain in Remarks)										
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.										
² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)										
Remarks: Hydric soils are not present. Soil core lost after 16" due to inundation. Soil had no indicators										
WETLAND DETERMINATION										
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Remarks: This plot is not located in wetland. Channel excavated in upland soil unit.										

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R. West						Date: 10/21/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-10 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Wooded drainage excavated in upland soil unit																																																											
Remarks: Wooded drainage excavated in upland soil unit																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Species Name</th> <th style="width: 15%;">Ind. Status</th> <th style="width: 15%;">Stratum</th> <th style="width: 15%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Rosa multiflora</i></td><td>FACU</td><td>SHRUB</td><td>--</td></tr> <tr><td>2. <i>Maclura pomifera</i></td><td>FACU</td><td>TREE</td><td>--</td></tr> <tr><td>3. <i>Ptelea trifoliata</i></td><td>FACU+</td><td>TREE</td><td>--</td></tr> <tr><td>4. <i>Geum canadense</i></td><td>FAC</td><td>HERB</td><td>--</td></tr> <tr><td>5. <i>Festuca elatior</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> <tr><td>6. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	1. <i>Rosa multiflora</i>	FACU	SHRUB	--	2. <i>Maclura pomifera</i>	FACU	TREE	--	3. <i>Ptelea trifoliata</i>	FACU+	TREE	--	4. <i>Geum canadense</i>	FAC	HERB	--	5. <i>Festuca elatior</i>	UPL	HERB	--	6. <i>Daucus carota</i>	UPL	HERB	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Species Name</th> <th style="width: 15%;">Ind. Status</th> <th style="width: 15%;">Stratum</th> <th style="width: 15%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. <i>Acer negundo</i></td><td>FACW-</td><td>TREE</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover	7. <i>Acer negundo</i>	FACW-	TREE	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Rosa multiflora</i>	FACU	SHRUB	--																																																														
2. <i>Maclura pomifera</i>	FACU	TREE	--																																																														
3. <i>Ptelea trifoliata</i>	FACU+	TREE	--																																																														
4. <i>Geum canadense</i>	FAC	HERB	--																																																														
5. <i>Festuca elatior</i>	UPL	HERB	--																																																														
6. <i>Daucus carota</i>	UPL	HERB	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. <i>Acer negundo</i>	FACW-	TREE	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant. Thickly shrubby/wooded area dominated by upland vegetation Cover percentages not recorded.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present.																																																												
Remarks: Wetland hydrology is not present.																																																																	
SOILS																																																																	
Map Unit Name: Blount silt loam Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Aeric Epiaqualfs Field Observations Confirm Mapped Type? <input type="checkbox"/> * Yes <input type="checkbox"/> No																																																																	
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 15%;">Matrix Color (Munsell Moist):</th> <th style="width: 15%;">Mottle Colors (Munsell Moist):</th> <th style="width: 15%;">Mottle Abundance/Contrast</th> <th style="width: 40%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </td> </tr> </table>						<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																									
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																
Remarks: Non-hydric soils are mapped. *No soil core taken																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: This plot is not located in wetland. *No soil core taken Wetland vegetation and wetland hydrology were not present, so no soil core was collected.																																																																	

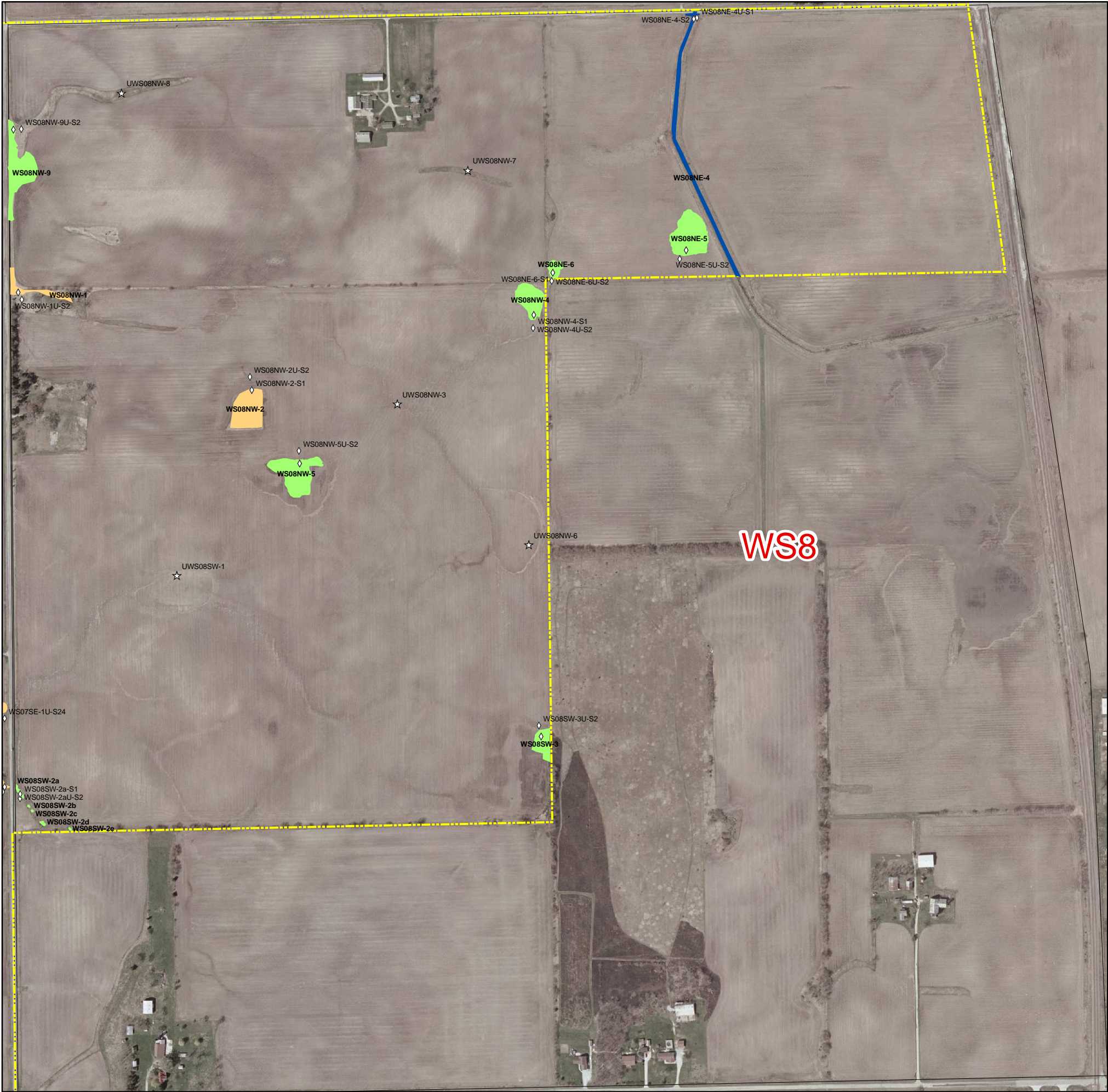
DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: R. West						Date: 10/21/08 County: Will State: Illinois Community ID: Upland Station ID: WS07SE-11 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Grassy upland hedgerow between cropfield and marsh																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Acer negundo</i></td><td>FACW-</td><td>TREE</td><td>10</td></tr> <tr><td>2. <i>Prunus serotina</i></td><td>FACU</td><td>TREE</td><td>50</td></tr> <tr><td>3. <i>Solidago altissima</i></td><td>FACU</td><td>HERB</td><td>40</td></tr> <tr><td>4. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>60</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Acer negundo</i>	FACW-	TREE	10	2. <i>Prunus serotina</i>	FACU	TREE	50	3. <i>Solidago altissima</i>	FACU	HERB	40	4. <i>Bromus inermis</i>	UPL	HERB	60	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Acer negundo</i>	FACW-	TREE	10																																																														
2. <i>Prunus serotina</i>	FACU	TREE	50																																																														
3. <i>Solidago altissima</i>	FACU	HERB	40																																																														
4. <i>Bromus inermis</i>	UPL	HERB	60																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																	
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present.																																																																	
SOILS																																																																	
Map Unit Name: Ozaukee silt loam						Series Drainage Class: Moderately well drained																																																											
Taxonomy (Subgroup): Oxyaquic Hapludalfs						Field Observations Confirm Mapped Type? <input type="checkbox"/> * Yes <input type="checkbox"/> No																																																											
Profile Description:																																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² :						Indicators for Problematic Hydric Soils ¹ :																																																											
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat			_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions			_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: *Non-hydric soils are mapped. No soil core collected.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																											
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																											
Remarks: This plot is not located in wetland. *No soil core taken																																																																	

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK

Appendix E Section Washington 08

Area ID	Total Depth	Hydric Soil	Native FQI	Comments
WS08NE-4-S2	0	Yes	10.0	
WS08NE-4U-S1	21	No		
WS08NE-5-S1	22	Yes	2.9	
WS08NE-5U-S2	21	Yes		
WS08NE-6-S1	22	Yes	3.5	
WS08NE-6U-S2	21	No		
WS08NW-1-S1	25	Yes	3.6	
WS08NW-1U-S2	28	No		
WS08NW-2-S1	21	Yes	7.3	
WS08NW-2U-S2	21	No		
UWS08NW-3	NA	NA	NA	Photo N
WS08NW-4-S1	22	Yes	0.0	
WS08NW-4U-S2	21	No		
WS08NW-5-S1	21	Yes	0.0	
WS08NW-5U-S2	21	No		
UWS08NW-6	NA	NA	NA	Photo W
UWS08NW-7	NA	NA	NA	Photo E
UWS08NW-8	NA	NA	NA	Photo W
WS08NW-9-S1	21	Yes	8.8	
WS08NW-9U-S2	24	Yes		
UWS08SW-1	NA	NA	NA	Photo W
WS08SW-2a-S1	0	Yes	5.4	no soil core, area inundated
WS08SW-2aU-S2	29	Yes		
WS08SW-2b	NA	NA		no soil core
WS08SW-2c	NA	NA		no soil core
WS08SW-2d	NA	NA		no soil core
WS08SW-2e	NA	NA		no soil core
WS08SW-3-S1	25	Yes	0.0	
WS08SW-3U-S2	22	No		

NA = not applicable



Legend

Wetland Type

PEM

PSS

PFO

PEM/PFO

PSS/PEM

PFO/PSS

POW

Stream

Wetland Complex

2008 Study Boundary

Sections

Upland Soil Cores

Upland Photo Locations

Wetland Soil Cores

N

EXHIBIT E-10

Washington Township Section 8

2008 - 2009 FIELD INVESTIGATION RESULTS

South Suburban Airport

Illinois Department of Transportation

Division of Aeronautics

AECOM

0

250

500

1,000

1,500

Feet

Site: Inaugural South Suburban Airport
 Locale: WS08NE4
 Date: October 8, 2008 30 minutes
 By: AECOM: A.Amelse; M. Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS08NE4.inv

FLORISTIC QUALITY DATA	Native	13	76.5%	Adventive	4	23.5%
13 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
17 Total Species	Shrub	1	5.9%	Shrub	0	0.0%
2.8 NATIVE MEAN C	W-Vine	1	5.9%	W-Vine	0	0.0%
2.1 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
10.0 NATIVE FQI	P-Forb	8	47.1%	P-Forb	0	0.0%
8.7 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-3.5 NATIVE MEAN W	A-Forb	1	5.9%	A-Forb	2	11.8%
-2.8 W/Adventives	P-Grass	1	5.9%	P-Grass	1	5.9%
AVG: Fac. Wetland (+)	A-Grass	0	0.0%	A-Grass	1	5.9%
	P-Sedge	1	5.9%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
APOCAN	4 Apocynum cannabinum	0 FAC	Nt P-Forb	INDIAN HEMP
ASCINC	4 Asclepias incarnata	-5 OBL	Nt P-Forb	SWAMP MILKWEED
ASTNOV	4 Aster novae-angliae	-3 FACW	Nt P-Forb	NEW ENGLAND ASTER
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
CHEALB	0 CHENOPODIUM ALBUM	1 FAC-	Ad A-Forb	LAMB'S QUARTERS
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
LEEORY	4 Leersia oryzoides	-5 OBL	Nt P-Grass	RICE CUT GRASS
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SCICYP	6 Scirpus cyperinus	-5 OBL	Nt P-Sedge	WOOL GRASS
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
SOLGIG	4 Solidago gigantea	-3 FACW	Nt P-Forb	LATE GOLDENROD
TYPANG	1 Typha angustifolia	-5 OBL	Nt P-Forb	NARROW-LEAVED CATTAIL
TYPLAT	1 Typha latifolia	-5 OBL	Nt P-Forb	BROAD-LEAVED CATTAIL
VITRIP	2 Vitis riparia	-2 FACW-	Nt W-Vine	RIVERBANK GRAPE

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)										
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: PEM Station ID: WS08NE-4 Plot ID: SC-2				
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Excavated ditch				
Remarks: Excavated ditch										
VEGETATION										
Dominant Species (50/20 Rule)										
	<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>
1.	<i>Typha angustifolia</i>	OBL	HERB	5			7.	--	--	--
2.	<i>Phalaris arundinacea</i>	FACW+	HERB	10			8.	--	--	--
3.	<i>Scirpus cyperinus</i>	OBL	HERB	10			9.	--	--	--
4.	--	--	--	--			10.	--	--	--
5.	--	--	--	--			11.	--	--	--
6.	--	--	--	--			12.	--	--	--
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						100%				
Remarks: Hydrophytic vegetation is dominant.										
HYDROLOGY										
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: <input checked="" type="checkbox"/> Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)					
Field Observations: Depth of Surface Water: 4 (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.					
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.										
SOILS										
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes					Series Drainage Class: poorly drained					
Taxonomy (Subgroup): Typic Endoaquolls					Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>					
Profile Description:										
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.				
Hydric Soil Indicators ² :										
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions					
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)					¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)					
Remarks: Soil core not taken due to steepness of ditch banks and inundated soils. Since wetland hydrology is present and hydrophytic vegetation is dominant, it is assumed that hydric soils are present.										
WETLAND DETERMINATION										
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Remarks: This plot is located in a wetland. Soil core not taken, but hydric soils are assumed to exist since wetland hydrology is present and hydrophytic vegetation is dominant.										

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																									
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Washington State: Illinois Community ID: Upland Station ID: WS08NE-4 Plot ID: SC-1																																																			
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Upland between excavated ditch and farm field (berm area adjacent to ditch)																																																			
VEGETATION																																																									
Dominant Species (50/20 Rule)																																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>90</td></tr> <tr><td>2. <i>Cirsium arvense</i></td><td>FACU</td><td>HERB</td><td>5</td></tr> <tr><td>3. <i>Sonchus arvensis</i></td><td>FAC-</td><td>HERB</td><td>5</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	90	2. <i>Cirsium arvense</i>	FACU	HERB	5	3. <i>Sonchus arvensis</i>	FAC-	HERB	5	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																						
1. <i>Bromus inermis</i>	UPL	HERB	90																																																						
2. <i>Cirsium arvense</i>	FACU	HERB	5																																																						
3. <i>Sonchus arvensis</i>	FAC-	HERB	5																																																						
4. --	--	--	--																																																						
5. --	--	--	--																																																						
6. --	--	--	--																																																						
Species Name	Ind. Status	Stratum	% Cover																																																						
7. --	--	--	--																																																						
8. --	--	--	--																																																						
9. --	--	--	--																																																						
10. --	--	--	--																																																						
11. --	--	--	--																																																						
12. --	--	--	--																																																						
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																									
HYDROLOGY																																																									
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																				
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																				
SOILS																																																									
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? Buried horizon <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																									
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>5</td> <td>A</td> <td>10YR 3/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable (fill material)</td> </tr> <tr> <td>5</td> <td>9</td> <td>C</td> <td>5Y 5.5/1</td> <td>10YR 4/6</td> <td>common prominent</td> <td>gravely cilty clay loam, moist, friable oxidized rhizopheres</td> </tr> <tr> <td>9</td> <td>13</td> <td>Ab1</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, firm</td> </tr> <tr> <td>13</td> <td>16</td> <td>Ab2</td> <td>N 2.5/0</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silty clay loam, moist, firm</td> </tr> <tr> <td>16</td> <td>21</td> <td>Ab3</td> <td>N 2.5/0</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silt loam, moist, friable</td> </tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	5	A	10YR 3/1	NA NA	NA NA	silty clay loam, moist, friable (fill material)	5	9	C	5Y 5.5/1	10YR 4/6	common prominent	gravely cilty clay loam, moist, friable oxidized rhizopheres	9	13	Ab1	10YR 2/1	NA NA	NA NA	silty clay loam, moist, firm	13	16	Ab2	N 2.5/0	NA NA	NA NA	mucky silty clay loam, moist, firm	16	21	Ab3	N 2.5/0	NA NA	NA NA	mucky silt loam, moist, friable						
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																			
0	5	A	10YR 3/1	NA NA	NA NA	silty clay loam, moist, friable (fill material)																																																			
5	9	C	5Y 5.5/1	10YR 4/6	common prominent	gravely cilty clay loam, moist, friable oxidized rhizopheres																																																			
9	13	Ab1	10YR 2/1	NA NA	NA NA	silty clay loam, moist, firm																																																			
13	16	Ab2	N 2.5/0	NA NA	NA NA	mucky silty clay loam, moist, firm																																																			
16	21	Ab3	N 2.5/0	NA NA	NA NA	mucky silt loam, moist, friable																																																			
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																			
Remarks: Hydric soils are not present. Fill above native soil material - likely dredge sidecast from ag ditch/channel						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																			
WETLAND DETERMINATION																																																									
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																				
Remarks: This plot is not located in a wetland. Excavation spoil over native soil																																																									

Site: Inaugural South Suburban Airport
 Locale: WS08NE5
 Date: October 8, 2008 30 minutes
 By: AECOM: A. Amelse; M. Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS08NE5.inv

FLORISTIC QUALITY DATA	Native	3	33.3%	Adventive	6	66.7%
3 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
9 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
1.7 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.6 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
2.9 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
1.7 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-0.3 NATIVE MEAN W	A-Forb	1	11.1%	A-Forb	3	33.3%
1.2 W/Adventives	P-Grass	1	11.1%	P-Grass	0	0.0%
AVG: Faculative	A-Grass	1	11.1%	A-Grass	3	33.3%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
AMBARE	0 Ambrosia artemisiifolia elatior	3 FACU	Nt A-Forb	COMMON RAGWEED
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
HIBTRI	0 HIBISCUS TRIONUM	5 UPL	Ad A-Forb	FLOWER-OF-AN-HOUR
IPOHED	0 IPOMOEA HEDERACEA	0 FAC	Ad A-Forb	IVY-LEAVED MORNING GLORY
PANVIR	5 Panicum virgatum	-1 FAC+	Nt P-Grass	SWITCH GRASS
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
XANSTR	0 XANTHIUM STRUMARIUM	0 FAC	Ad A-Forb	COCKLEBUR
ZEAMAY	0 ZEA MAYS	5 UPL	Ad A-Grass	CORN

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																			
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: FW Station ID: WS08NE-5 Plot ID: SC-1																																													
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with corn - crop shows signs of stress																																													
VEGETATION																																																			
Dominant Species (50/20 Rule)																																																			
	<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>																																									
1.	<i>Panicum virgatum</i>	FAC+	HERB	60			7.	--	--	--																																									
2.	<i>Xanthium strumarium</i>	FAC	HERB	15			8.	--	--	--																																									
3.	<i>Zea mays</i>	UPL	HERB	2			9.	--	--	--																																									
4.	--	--	--	--			10.	--	--	--																																									
5.	--	--	--	--			11.	--	--	--																																									
6.	--	--	--	--			12.	--	--	--																																									
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%																																																			
Remarks: Hydrophytic vegetation is dominant.																																																			
HYDROLOGY																																																			
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)																																														
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 21.5 (in.) Depth to Saturated Soil: 20 (in.)					Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																														
SOILS																																																			
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ X Yes _____ No																																																			
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>20</td> <td>A</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay, moist, firm</td> </tr> <tr> <td>20</td> <td>22</td> <td>B</td> <td>10YR 4/1</td> <td>10YR 5/6</td> <td>common distinct</td> <td>silty clay, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	20	A	10YR 2/1	NA NA	NA NA	silty clay, moist, firm	20	22	B	10YR 4/1	10YR 5/6	common distinct	silty clay, moist, firm																					
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																													
0	20	A	10YR 2/1	NA NA	NA NA	silty clay, moist, firm																																													
20	22	B	10YR 4/1	10YR 5/6	common distinct	silty clay, moist, firm																																													
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td style="width: 50%;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> </tr> </table>						_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																											
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																		
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																													
WETLAND DETERMINATION																																																			
Hydrophytic Vegetation Present? _____ X Yes _____ No Wetland Hydrology Present? _____ X Yes _____ No					Hydric Soils Present? _____ X Yes _____ No Is This Sampling Point Within A Wetland? _____ X Yes _____ No																																														
Remarks: This plot is located in a wetland.																																																			

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS08NE-5 Plot ID: SC-2																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with corn																																																											
Remarks: Field cropped with corn																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Species Name</th> <th style="text-align: left; padding: 2px;">Ind. Status</th> <th style="text-align: left; padding: 2px;">Stratum</th> <th style="text-align: left; padding: 2px;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. Zea mays</td> <td>UPL</td> <td>HERB</td> <td>80</td> </tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Zea mays	UPL	HERB	80	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Species Name</th> <th style="text-align: left; padding: 2px;">Ind. Status</th> <th style="text-align: left; padding: 2px;">Stratum</th> <th style="text-align: left; padding: 2px;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Zea mays	UPL	HERB	80																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge _____ X Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																												
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ X Yes _____ No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="text-align: center; padding: 2px;">Top</th> <th style="text-align: center; padding: 2px;">Bottom</th> <th style="text-align: center; padding: 2px;">Horizon</th> <th style="text-align: center; padding: 2px;">Matrix Color (Munsell Moist):</th> <th style="text-align: center; padding: 2px;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center; padding: 2px;">Mottle Abundance/Contrast</th> <th style="text-align: center; padding: 2px;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">14</td> <td style="text-align: center;">A</td> <td style="text-align: center;">10YR 2/1</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">silty clay, moist, firm</td> </tr> <tr> <td style="text-align: center;">14</td> <td style="text-align: center;">21</td> <td style="text-align: center;">B</td> <td style="text-align: center;">10YR 4/1</td> <td style="text-align: center;">10YR 5/8</td> <td style="text-align: center;">common distinct</td> <td style="text-align: center;">silty clay, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	14	A	10YR 2/1	NA NA	NA NA	silty clay, moist, firm	14	21	B	10YR 4/1	10YR 5/8	common distinct	silty clay, moist, firm																																			
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	14	A	10YR 2/1	NA NA	NA NA	silty clay, moist, firm																																																											
14	21	B	10YR 4/1	10YR 5/8	common distinct	silty clay, moist, firm																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ X (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
Remarks: Hydric soils are present.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ X Yes _____ No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																												
Remarks: This plot is not located in a wetland. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since crop does not show signs of stress and wetland hydrology is not evident.																																																																	

Site: Inaugural South Suburban Airport
 Locale: WS08NE6
 Date: October 8, 2008 15 minutes
 By: AECOM: A.Amelse; M. Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS08NE6.inv

FLORISTIC QUALITY DATA	Native	2	25.0%	Adventive	6	75.0%
2 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
8 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
2.5 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.6 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
3.5 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
1.8 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.0 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	4	50.0%
1.1 W/Adventives	P-Grass	1	12.5%	P-Grass	0	0.0%
AVG: Fac. Wetland (-)	A-Grass	1	12.5%	A-Grass	2	25.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
CHEALB	0 CHENOPODIUM ALBUM	1 FAC-	Ad A-Forb	LAMB'S QUARTERS
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
HIBTRI	0 HIBISCUS TRIONUM	5 UPL	Ad A-Forb	FLOWER-OF-AN-HOUR
IPOHED	0 IPOMOEA HEDERACEA	0 FAC	Ad A-Forb	IVY-LEAVED MORNING GLORY
PANVIR	5 Panicum virgatum	-1 FAC+	Nt P-Grass	SWITCH GRASS
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
XANSTR	0 XANTHIUM STRUMARIUM	0 FAC	Ad A-Forb	COCKLEBUR
ZEAMAY	0 ZEA MAYS	5 UPL	Ad A-Grass	CORN

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: FW Station ID: WS08NE-6 Plot ID: SC-1																																																																		
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)																																																																								
Remarks: low spot in corn field, no corn present in this area - likely due to water stress																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 15%;"></th> <th style="width: 15%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Panicum virgatum</i></td> <td>FAC+</td> <td>HERB</td> <td>70</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Setaria faberi</i></td> <td>FACU+</td> <td>HERB</td> <td>10</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Chenopodium album</i></td> <td>FAC-</td> <td>HERB</td> <td>5</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Xanthium strumarium</i></td> <td>FAC</td> <td>HERB</td> <td>5</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Panicum virgatum</i>	FAC+	HERB	70		7. --	--	--	--	2. <i>Setaria faberi</i>	FACU+	HERB	10		8. --	--	--	--	3. <i>Chenopodium album</i>	FAC-	HERB	5		9. --	--	--	--	4. <i>Xanthium strumarium</i>	FAC	HERB	5		10. --	--	--	--	5. --	--	--	--		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Panicum virgatum</i>	FAC+	HERB	70		7. --	--	--	--																																																																
2. <i>Setaria faberi</i>	FACU+	HERB	10		8. --	--	--	--																																																																
3. <i>Chenopodium album</i>	FAC-	HERB	5		9. --	--	--	--																																																																
4. <i>Xanthium strumarium</i>	FAC	HERB	5		10. --	--	--	--																																																																
5. --	--	--	--		11. --	--	--	--																																																																
6. --	--	--	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)																																																																								
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																								
SOILS																																																																								
Map Unit Name: Beecher silt loam, 2 to 4 percent slopes Series Drainage Class: Somewhat poorly drained Taxonomy (Subgroup): Udolic Epiaqualfs Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																																								
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>8</td> <td>A</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>8</td> <td>14</td> <td>B</td> <td>10YR 4/2</td> <td>10YR 4/6</td> <td>common distinct</td> <td>gravelly clay loam, moist, friable</td> </tr> <tr> <td>14</td> <td>21</td> <td>Bt</td> <td>2.5Y 4.5/2</td> <td>10YR 4/4</td> <td>common distinct</td> <td>silty clay, moist, firm</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	8	A	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable	8	14	B	10YR 4/2	10YR 4/6	common distinct	gravelly clay loam, moist, friable	14	21	Bt	2.5Y 4.5/2	10YR 4/4	common distinct	silty clay, moist, firm																																			
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	8	A	10YR 2/1	NA NA	NA NA	silty clay loam, moist, friable																																																																		
8	14	B	10YR 4/2	10YR 4/6	common distinct	gravelly clay loam, moist, friable																																																																		
14	21	Bt	2.5Y 4.5/2	10YR 4/4	common distinct	silty clay, moist, firm																																																																		
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td style="width: 50%;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix <input checked="" type="checkbox"/> (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> </tr> </table>						_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix <input checked="" type="checkbox"/> (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix <input checked="" type="checkbox"/> (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																																							
Remarks: Hydric soils are present. Soil profile more closely matches Ashkum series than Beecher.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? _____ X Yes _____ No Wetland Hydrology Present? _____ X Yes _____ No					Hydric Soils Present? _____ X Yes _____ No Is This Sampling Point Within A Wetland? _____ X Yes _____ No																																																																			
Remarks: This plot is located in a wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS08NE-6 Plot ID: SC-2																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Edge of corn field that has been tilled up																																																																		
Remarks: Edge of corn field that has been tilled up																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Species Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Ind. Status</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">% Cover</th> <th style="width: 20px;"></th> <th style="text-align: left; border-bottom: 1px solid black;">Species Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Ind. Status</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>40</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Setaria faberi</i></td> <td>FACU+</td> <td>HERB</td> <td>20</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Chenopodium album</i></td> <td>FAC-</td> <td>HERB</td> <td>10</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Echinochloa crusgalli</i></td> <td>FACW</td> <td>HERB</td> <td>5</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Cirsium arvense</i></td> <td>FACU</td> <td>HERB</td> <td>5</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	40		7. --	--	--	--	2. <i>Setaria faberi</i>	FACU+	HERB	20		8. --	--	--	--	3. <i>Chenopodium album</i>	FAC-	HERB	10		9. --	--	--	--	4. <i>Echinochloa crusgalli</i>	FACW	HERB	5		10. --	--	--	--	5. <i>Cirsium arvense</i>	FACU	HERB	5		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Bromus inermis</i>	UPL	HERB	40		7. --	--	--	--																																																																
2. <i>Setaria faberi</i>	FACU+	HERB	20		8. --	--	--	--																																																																
3. <i>Chenopodium album</i>	FAC-	HERB	10		9. --	--	--	--																																																																
4. <i>Echinochloa crusgalli</i>	FACW	HERB	5		10. --	--	--	--																																																																
5. <i>Cirsium arvense</i>	FACU	HERB	5		11. --	--	--	--																																																																
6. --	--	--	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																			
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th style="text-align: center;">Matrix Color</th> <th style="text-align: center;">Mottle Colors</th> <th style="text-align: center;">Mottle</th> <th style="text-align: center;">Texture, moisture, consistency, organic material,</th> </tr> <tr> <th style="text-align: center;">Depth</th> <th style="text-align: center;">Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">(Munsell Moist):</th> <th style="text-align: center;">(Munsell Moist):</th> <th style="text-align: center;">Abundance/Contrast</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">16</td> <td style="text-align: center;">A</td> <td style="text-align: center;">10YR 2/1</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> </tr> <tr> <td style="text-align: center;">16</td> <td style="text-align: center;">22</td> <td style="text-align: center;">Bt</td> <td style="text-align: center;">10YR 4/2</td> <td style="text-align: center;">10YR 5/8</td> <td style="text-align: center;">common distinct</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,	Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	0	16	A	10YR 2/1	NA NA	NA NA	16	22	Bt	10YR 4/2	10YR 5/8	common distinct																																							
Top	Bottom	Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,																																																																			
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast																																																																			
0	16	A	10YR 2/1	NA NA	NA NA																																																																			
16	22	Bt	10YR 4/2	10YR 5/8	common distinct																																																																			
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> Hydric Soil Indicators²: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%; vertical-align: top;"> Indicators for Problematic Hydric Soils¹: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) </td> </tr> </table>										Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																													
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																							
Remarks: Hydric soils are present. Soil profile more closely matches Drummer series than Ashkum.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Remarks: This plot is not located in a wetland. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since no wetland hydrology is evident and hydrophytic vegetation is not dominant.																																																																								

Site: Inaugural South Suburban Airport
 Locale: WS08NW1
 Date: October 16, 2008 1 hours
 By: AECOM; T.Radke; M.Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final1220a\WS08NW1.inv

FLORISTIC QUALITY DATA	Native	5	55.6%	Adventive	4	44.4%
5 NATIVE SPECIES	Tree	1	11.1%	Tree	1	11.1%
9 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
1.6 NATIVE MEAN C	W-Vine	1	11.1%	W-Vine	0	0.0%
0.9 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
3.6 NATIVE FQI	P-Forb	2	22.2%	P-Forb	0	0.0%
2.7 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-1.8 NATIVE MEAN W	A-Forb	1	11.1%	A-Forb	0	0.0%
-0.6 W/Adventives	P-Grass	0	0.0%	P-Grass	3	33.3%
AVG: Fac. Wetland (-)	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
AGRALA	0 AGROSTIS ALBA	-3 FACW	Ad P-Grass	REDTOP
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
BROINE	0 BROMUS INERMIS	5 UPL	Ad P-Grass	HUNGARIAN BROME
FRAPES	1 Fraxinus pennsylvanica subintegerrima	0 FAC	Nt Tree	GREEN ASH
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
MORALB	0 MORUS ALBA	0 FAC	Ad Tree	WHITE MULBERRY
POACOM	0 POA COMPRESSA	2 FACU+	Ad P-Grass	CANADA BLUE GRASS
RHURAD	2 Rhus radicans	-1 FAC+	Nt W-Vine	POISON IVY

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: M.Hildreth						Date: 10/16/08 County: Will State: Illinois Community ID: Wetland Complex Station ID: WS08NW-1 Plot ID: SC-1																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Excavated, tiled drainageway in hydric unit																																																																		
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Helianthus grosseserratus</i></td> <td>FACW-</td> <td>HERB</td> <td>20</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Aster simplex</i></td> <td>FACW</td> <td>HERB</td> <td>50</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Morus alba</i></td> <td>FAC</td> <td>SHRUB</td> <td>15</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Toxicodendron radicans</i></td> <td>FAC+</td> <td>SHRUB</td> <td>5</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Fraxinus pennsylvanica</i></td> <td>FACW</td> <td>SHRUB</td> <td>5</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Helianthus grosseserratus</i>	FACW-	HERB	20		7. --	--	--	--	2. <i>Aster simplex</i>	FACW	HERB	50		8. --	--	--	--	3. <i>Morus alba</i>	FAC	SHRUB	15		9. --	--	--	--	4. <i>Toxicodendron radicans</i>	FAC+	SHRUB	5		10. --	--	--	--	5. <i>Fraxinus pennsylvanica</i>	FACW	SHRUB	5		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Helianthus grosseserratus</i>	FACW-	HERB	20		7. --	--	--	--																																																																
2. <i>Aster simplex</i>	FACW	HERB	50		8. --	--	--	--																																																																
3. <i>Morus alba</i>	FAC	SHRUB	15		9. --	--	--	--																																																																
4. <i>Toxicodendron radicans</i>	FAC+	SHRUB	5		10. --	--	--	--																																																																
5. <i>Fraxinus pennsylvanica</i>	FACW	SHRUB	5		11. --	--	--	--																																																																
6. --	--	--	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test _____ Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 21 (in.) Depth to Saturated Soil: 20 (in.)					Remarks: Wetland hydrology is present.																																																																			
SOILS																																																																								
Map Unit Name: Drummer silty clay loam Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Top Depth</th> <th>Bottom Depth</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist)</th> <th>Mottle Colors (Munsell Moist)</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>22</td> <td>A</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>Silty clay loam; moist, friable</td> </tr> <tr> <td>22</td> <td>28</td> <td>Bt</td> <td>10YR 5/1</td> <td>10YR 5/6</td> <td>common distinct</td> <td>Silty clay loam; wet firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	22	A	10YR 2/1	NA NA	NA NA	Silty clay loam; moist, friable	22	28	Bt	10YR 5/1	10YR 5/6	common distinct	Silty clay loam; wet firm																																										
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	22	A	10YR 2/1	NA NA	NA NA	Silty clay loam; moist, friable																																																																		
22	28	Bt	10YR 5/1	10YR 5/6	common distinct	Silty clay loam; wet firm																																																																		
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck <input checked="" type="checkbox"/> (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																		
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
Remarks: Hydric soils are present. Profile matches mapped hydric unit.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Remarks: This plot is located in a wetland. East end of area had standing/flowing water draining from upland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: M.Hildreth						Date: 10/16/08 County: Will State: Illinois Community ID: Upland Station ID: WS08NW-1 Plot ID: SC-2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: Tiled drainageway																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Bromus inermis</i></td><td>UPL</td><td>HERB</td><td>10</td></tr> <tr><td>2. <i>Festuca elatior</i></td><td>UPL</td><td>HERB</td><td>30</td></tr> <tr><td>3. <i>Agropyron repens</i></td><td>FACU</td><td>HERB</td><td>30</td></tr> <tr><td>4. <i>Aster simplex</i></td><td>FACW</td><td>HERB</td><td>10</td></tr> <tr><td>5. <i>Poa compressa</i></td><td>FACU+</td><td>HERB</td><td>35</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	10	2. <i>Festuca elatior</i>	UPL	HERB	30	3. <i>Agropyron repens</i>	FACU	HERB	30	4. <i>Aster simplex</i>	FACW	HERB	10	5. <i>Poa compressa</i>	FACU+	HERB	35	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Bromus inermis</i>	UPL	HERB	10																																																														
2. <i>Festuca elatior</i>	UPL	HERB	30																																																														
3. <i>Agropyron repens</i>	FACU	HERB	30																																																														
4. <i>Aster simplex</i>	FACW	HERB	10																																																														
5. <i>Poa compressa</i>	FACU+	HERB	35																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																																											
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present.																																																																	
SOILS																																																																	
Map Unit Name: Drummer silty clay loam				Series Drainage Class: Poorly drained																																																													
Taxonomy (Subgroup): Typic Endoaquolls				Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Profile Description:																																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	18	A1	10YR	2/1	NA	NA	NA	NA	Clay loam; moist, friable																																																								
18	22	A2	10YR	3/2	10YR	5/4	common	distinct	Clay loam; moist, firm; some organic streaking																																																								
Hydric Soil Indicators ² :																																																																	
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat				_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions				Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																									
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																	
Remarks: Hydric soils are present. Profile matches mapped hydric soil; dark matrix masks redox																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Remarks: This plot is not located in wetland. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since no wetland hydrology is evident and hydrophytic vegetation is not dominant.																																																																	

Site: Inaugural South Suburban Airport
 Locale: WS08NW2
 Date: October 7, 2008 30 minutes
 By: AECOM: A. Amelse; R. West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS08NW2.inv

FLORISTIC QUALITY DATA	Native	9	69.2%	Adventive	4	30.8%
9 NATIVE SPECIES	Tree	5	38.5%	Tree	0	0.0%
13 Total Species	Shrub	1	7.7%	Shrub	0	0.0%
2.4 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
1.7 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
7.3 NATIVE FQI	P-Forb	1	7.7%	P-Forb	0	0.0%
6.1 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.7 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	2	15.4%
-2.0 W/Adventives	P-Grass	0	0.0%	P-Grass	1	7.7%
AVG: Fac. Wetland	A-Grass	1	7.7%	A-Grass	1	7.7%
	P-Sedge	1	7.7%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ACERUB	7 Acer rubrum	0 FAC	Nt Tree	RED MAPLE
ACESAI	0 Acer saccharinum	-3 FACW	Nt Tree	SILVER MAPLE
ASTLAT	4 Aster lateriflorus	-2 FACW-	Nt P-Forb	SIDE-FLOWERING ASTER
CHEALB	0 CHENOPODIUM ALBUM	1 FAC-	Ad A-Forb	LAMB'S QUARTERS
CYPSTR	1 Cyperus strigosus	-3 FACW	Nt P-Sedge	LONG-SCALED NUT SEDGE
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SALNIG	4 Salix nigra	-5 OBL	Nt Tree	BLACK WILLOW
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
ULMAME	3 Ulmus americana	-2 FACW-	Nt Tree	AMERICAN ELM

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport						Date: 10/07/08																																																																		
Applicant/Owner: Illinois Department of Transportation						County: Will																																																																		
Investigator #1: Ann Amelse #2: Robyn West						State: Illinois																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Community ID: PEM/PFO																																																																		
Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						Station ID: WS08NW-2																																																																		
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Plot ID: SC-1																																																																		
Remarks: Uncropped depressional area in middle of soybean field.																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Salix nigra</i></td> <td>OBL</td> <td>TREE</td> <td>20</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Phalaris arundinacea</i></td> <td>FACW+</td> <td>HERB</td> <td>80</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Salix exigua</i></td> <td>OBL</td> <td>SHRUB</td> <td>15</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Polygonum persicaria</i></td> <td>FACW</td> <td>HERB</td> <td>15</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Salix nigra</i>	OBL	TREE	20		7. --	--	--	--	2. <i>Phalaris arundinacea</i>	FACW+	HERB	80		8. --	--	--	--	3. <i>Salix exigua</i>	OBL	SHRUB	15		9. --	--	--	--	4. <i>Polygonum persicaria</i>	FACW	HERB	15		10. --	--	--	--	5. --	--	--	--		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Salix nigra</i>	OBL	TREE	20		7. --	--	--	--																																																																
2. <i>Phalaris arundinacea</i>	FACW+	HERB	80		8. --	--	--	--																																																																
3. <i>Salix exigua</i>	OBL	SHRUB	15		9. --	--	--	--																																																																
4. <i>Polygonum persicaria</i>	FACW	HERB	15		10. --	--	--	--																																																																
5. --	--	--	--		11. --	--	--	--																																																																
6. --	--	--	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%																																																																								
Remarks: Hydrophytic vegetation is dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																								
Remarks: Wetland hydrology is present.																																																																								
Aerial photos used for NRCS slide review. Uncropped depression in cropland																																																																								
SOILS																																																																								
Map Unit Name: Peotone silty clay loam, 0 to 2 percent slopes Series Drainage Class: Very poorly drained																																																																								
Taxonomy (Subgroup): Cumulic Vertic Endoaquoll Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																								
Profile Description:																																																																								
Top	Bottom	Matrix Color		Mottle Colors		Mottle		Texture, moisture, consistency, organic material, and other soil characteristics.																																																																
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast																																																																			
0	13	A	N 2.5/0	NA NA	NA NA	mucky silty clay loam, moist, firm																																																																		
13	21	Bt	N 2.5/0	NA NA	NA NA	mucky silty clay, moist, very firm																																																																		
Hydric Soil Indicators ² :																																																																								
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat					<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																			
					Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																			
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																								
² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																								
Remarks: Hydric soils are present.																																																																								
Organic accumulation in depressional area of Peotone soils.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																			
Remarks: This plot is located in a wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																			
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 10/07/08 County: Will State: Illinois Community ID: Upland Station ID: WS08NW-2 Plot ID: SC-2																																													
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybeans																																													
Remarks: Field cropped with soybeans																																																			
VEGETATION																																																			
Dominant Species (50/20 Rule)																																																			
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>																																															
1. <i>Glycine max</i> UPL HERB 100				7. -- -- -- --																																															
2. -- -- -- --				8. -- -- -- --																																															
3. -- -- -- --				9. -- -- -- --																																															
4. -- -- -- --				10. -- -- -- --																																															
5. -- -- -- --				11. -- -- -- --																																															
6. -- -- -- --				12. -- -- -- --																																															
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																			
Remarks: Hydrophytic vegetation is not dominant.																																																			
HYDROLOGY																																																			
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																														
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																														
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																			
SOILS																																																			
Map Unit Name: Markham silt loam, 4 to 6 percent slopes, eroder Series Drainage Class: Moderately well drained Taxonomy (Subgroup): Oxyaquic Hapludalfs Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																			
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th style="text-align: center;">Matrix Color</th> <th style="text-align: center;">Mottle Colors</th> <th style="text-align: center;">Mottle</th> <th style="text-align: center;">Texture, moisture, consistency, organic material,</th> </tr> <tr> <th style="text-align: center;">Depth</th> <th style="text-align: center;">Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">(Munsell Moist):</th> <th style="text-align: center;">(Munsell Moist):</th> <th style="text-align: center;">Abundance/Contrast</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">7</td> <td style="text-align: center;">Ap</td> <td style="text-align: center;">10YR 2/1</td> <td style="text-align: center;">NA NA</td> <td style="text-align: center;">NA NA</td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">15</td> <td style="text-align: center;">Bt1</td> <td style="text-align: center;">10YR 3/1</td> <td style="text-align: center;">10YR 3/4</td> <td style="text-align: center;">common distinct</td> </tr> <tr> <td style="text-align: center;">15</td> <td style="text-align: center;">21</td> <td style="text-align: center;">Bt2</td> <td style="text-align: center;">10YR 4/1</td> <td style="text-align: center;">10YR 4/6</td> <td style="text-align: center;">common distinct</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>										Top	Bottom	Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,	Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	0	7	Ap	10YR 2/1	NA NA	NA NA	7	15	Bt1	10YR 3/1	10YR 3/4	common distinct	15	21	Bt2	10YR 4/1	10YR 4/6	common distinct												
Top	Bottom	Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,																																														
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast																																														
0	7	Ap	10YR 2/1	NA NA	NA NA																																														
7	15	Bt1	10YR 3/1	10YR 3/4	common distinct																																														
15	21	Bt2	10YR 4/1	10YR 4/6	common distinct																																														
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td style="width: 50%;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ X (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> </tr> </table>					_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ X (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : <table style="width: 100%;"> <tr> <td style="width: 50%;"> _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) </td> </tr> </table>					_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																							
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ X (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																		
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																			
Remarks: Hydric soils are present.					¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																														
WETLAND DETERMINATION																																																			
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ X Yes _____ No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																														
Remarks: This plot is not located in a wetland. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since crop does not show signs of stress and wetland hydrology is not evident.																																																			

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS08NW-3 Plot ID: NA																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybean; no crop stress Hydrophytic vegetation not dominant and hydrology not present, so no soil core taken.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. Glycine max	UPL	HERB	100																																																												
2. --	--	--	--																																																												
3. --	--	--	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																															
HYDROLOGY																																																															
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other _____ No Recorded Data Available Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																										
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																															
SOILS																																																															
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? No soil core collected Yes _____ No _____																																																															
Profile Description:																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Hydric Soil Indicators ² :																																																															
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																										
Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																															
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																															
² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																															
Remarks: Crop does not show signs of stress and hydrology not present, so no soil core taken.																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? _____ Yes _____ X No					Hydric Soils Present? No soil core collected Yes _____ No _____																																																										
Wetland Hydrology Present? _____ Yes _____ X No					Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																										
Remarks: This plot is not located in a wetland.																																																															

Site: Inaugural South Suburban Airport
 Locale: WS08NW4
 Date: October 8, 2008 15 minutes
 By: AECOM: A. Amelse; M.Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS08NW4.inv

FLORISTIC QUALITY DATA	Native	1	50.0%	Adventive	1	50.0%
1 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
2 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
0.0 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
0.0 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
0.0 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-3.0 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	1	50.0%
1.0 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Fac. Wetland	A-Grass	1	50.0%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: FW Station ID: WS08NW-4 Plot ID: SC-1																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)																																																																	
Remarks: Field cropped with soybeans - crop absent likely due to water stress																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. --	--	--	--	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. --	--	--	--																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): NA Remarks: No vegetation at soil core location																																																																	
HYDROLOGY																																																																	
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other _____ No Recorded Data Available				Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks X Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches X Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)																																																																	
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ X Yes _____ No																																																																	
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top Depth</th> <th style="width: 5%;">Bottom Depth</th> <th style="width: 5%;">Horizon</th> <th style="width: 5%;">Matrix Color (Munsell Moist):</th> <th style="width: 5%;">Mottle Colors (Munsell Moist):</th> <th style="width: 5%;">Mottle Abundance/Contrast</th> <th style="width: 40%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>13</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silty clay loam, moist, firm</td> </tr> <tr> <td>13</td> <td>16</td> <td>Bt1</td> <td>10YR 3/1</td> <td>10YR 3/3</td> <td>few faint</td> <td>silty clay, moist, firm</td> </tr> <tr> <td>16</td> <td>21</td> <td>Bt2</td> <td>10YR 4/1</td> <td>10YR 4/6</td> <td>common prominent</td> <td>silty clay, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	13	Ap	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist, firm	13	16	Bt1	10YR 3/1	10YR 3/3	few faint	silty clay, moist, firm	16	21	Bt2	10YR 4/1	10YR 4/6	common prominent	silty clay, moist, firm																												
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
0	13	Ap	10YR 2/1	NA NA	NA NA	mucky silty clay loam, moist, firm																																																											
13	16	Bt1	10YR 3/1	10YR 3/3	few faint	silty clay, moist, firm																																																											
16	21	Bt2	10YR 4/1	10YR 4/6	common prominent	silty clay, moist, firm																																																											
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface X (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
Remarks: Hydric soils are present. Organic accumulation in low area of Ashkum soils.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ X Yes _____ No				Hydric Soils Present? _____ X Yes _____ No Is This Sampling Point Within A Wetland? _____ X Yes _____ No																																																													
Remarks: This plot is located in a wetland. Hydric soils and wetland hydrology are present, so this area would likely support a dominance of hydrophytic vegetation if it were not actively cropped.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																		
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS08NW-4 Plot ID: SC-2																																																												
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybeans																																																												
Remarks: Field cropped with soybeans																																																																		
VEGETATION																																																																		
Dominant Species (50/20 Rule)																																																																		
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>																																																														
1. <i>Glycine max</i> UPL HERB 90				7. -- -- -- --																																																														
2. -- -- -- --				8. -- -- -- --																																																														
3. -- -- -- --				9. -- -- -- --																																																														
4. -- -- -- --				10. -- -- -- --																																																														
5. -- -- -- --				11. -- -- -- --																																																														
6. -- -- -- --				12. -- -- -- --																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																																		
Remarks: Hydrophytic vegetation is not dominant.																																																																		
HYDROLOGY																																																																		
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																													
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																		
SOILS																																																																		
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																		
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>15</td> <td>Ap</td> <td>10YR</td> <td>2/1</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td>silty clay loam, moist, friable</td> </tr> <tr> <td>15</td> <td>21</td> <td>Bt</td> <td>10YR</td> <td>4/1</td> <td>2.5Y</td> <td>4/3</td> <td>common</td> <td>distinct</td> <td>silty clay, moist, very firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	15	Ap	10YR	2/1	NA	NA	NA	NA	silty clay loam, moist, friable	15	21	Bt	10YR	4/1	2.5Y	4/3	common	distinct	silty clay, moist, very firm																														
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																												
0	15	Ap	10YR	2/1	NA	NA	NA	NA	silty clay loam, moist, friable																																																									
15	21	Bt	10YR	4/1	2.5Y	4/3	common	distinct	silty clay, moist, very firm																																																									
<table style="width: 100%;"> <tr> <td style="width: 33%; vertical-align: top;"> Hydric Soil Indicators²: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 33%; vertical-align: top;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> <td style="width: 33%; vertical-align: top;"> Indicators for Problematic Hydric Soils¹: _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) ¹Indicators of hydrophytic vegetation and wetland hydrology must be present. ²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006) </td> </tr> </table>										Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																						
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																
Remarks: Hydric soils are present.																																																																		
WETLAND DETERMINATION																																																																		
Hydrophytic Vegetation Present? _____ Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? _____ Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? _____ Yes <input checked="" type="checkbox"/> No																																																													
Remarks: This plot is not located in a wetland. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since crop does not show signs of stress and wetland hydrology is not evident.																																																																		

Site: Inaugural South Suburban Airport
 Locale: WS08NW5
 Date: October 7, 2008 15 minutes
 By: AECOM; A. Amelse; R. West
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS08NW5.inv

FLORISTIC QUALITY DATA	Native	0	0.0%	Adventive	1	100.0%
0 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
1 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
0.0 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
0.0 NATIVE FQI	P-Forb	0	0.0%	P-Forb	0	0.0%
0.0 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
0.0 NATIVE MEAN W	A-Forb	0	0.0%	A-Forb	1	100.0%
5.0 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Faculative	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																												
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 10/07/08 County: Will State: Illinois Community ID: FW Station ID: WS08NW-5 Plot ID: SC-1																																						
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybeans - crop shows signs of stress																																						
VEGETATION																																												
Dominant Species (50/20 Rule)																																												
	<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>																																		
1.	<i>Glycine max</i>	UPL	HERB	30		7.	--	--	--	--																																		
2.	--	--	--	--		8.	--	--	--	--																																		
3.	--	--	--	--		9.	--	--	--	--																																		
4.	--	--	--	--		10.	--	--	--	--																																		
5.	--	--	--	--		11.	--	--	--	--																																		
6.	--	--	--	--		12.	--	--	--	--																																		
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																												
Remarks: Hydrophytic vegetation is not dominant.																																												
HYDROLOGY																																												
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks <input checked="" type="checkbox"/> Drift Lines <input checked="" type="checkbox"/> Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																							
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																							
SOILS																																												
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ X Yes _____ No																																												
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>6</td> <td>Ap</td> <td>N 2.5/0</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silty clay loam, moist, firm</td> </tr> <tr> <td>6</td> <td>14</td> <td>Bt1</td> <td>N 2.5/0</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silty clay, moist, very firm</td> </tr> <tr> <td>14</td> <td>20</td> <td>Bt2</td> <td>10YR 3/1</td> <td>10YR 2/6</td> <td>common prominent</td> <td>silty clay, moist, friable</td> </tr> <tr> <td>20</td> <td>21</td> <td>Bt3</td> <td>2.5Y 5/1.5</td> <td>10YR 4/6</td> <td>many prominent</td> <td>silty clay, moist, friable</td> </tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	6	Ap	N 2.5/0	NA NA	NA NA	mucky silty clay loam, moist, firm	6	14	Bt1	N 2.5/0	NA NA	NA NA	mucky silty clay, moist, very firm	14	20	Bt2	10YR 3/1	10YR 2/6	common prominent	silty clay, moist, friable	20	21	Bt3	2.5Y 5/1.5	10YR 4/6	many prominent	silty clay, moist, friable
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																						
0	6	Ap	N 2.5/0	NA NA	NA NA	mucky silty clay loam, moist, firm																																						
6	14	Bt1	N 2.5/0	NA NA	NA NA	mucky silty clay, moist, very firm																																						
14	20	Bt2	10YR 3/1	10YR 2/6	common prominent	silty clay, moist, friable																																						
20	21	Bt3	2.5Y 5/1.5	10YR 4/6	many prominent	silty clay, moist, friable																																						
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td style="width: 50%;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> </tr> </table>						_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																				
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix <input checked="" type="checkbox"/> (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																											
Remarks: Hydric soils are present. Organic accumulation in depressional area of Ashkum soils.																																												
WETLAND DETERMINATION																																												
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ X Yes _____ No					Hydric Soils Present? _____ X Yes _____ No Is This Sampling Point Within A Wetland? _____ X Yes _____ No																																							
Remarks: This plot is located in a wetland. Hydric soils and wetland hydrology are present, so this area would likely support a dominance of hydrophytic vegetation if it were not actively cropped.																																												

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																			
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Robyn West						Date: 10/07/08 County: Will State: Illinois Community ID: Upland Station ID: WS08NW-5 Plot ID: SC-2																																													
Do Normal Circumstances Exist On The Site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Field cropped with soybeans																																													
VEGETATION																																																			
Dominant Species (50/20 Rule)																																																			
	<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>			<u>Species Name</u>	<u>Ind. Status</u>	<u>Stratum</u>	<u>% Cover</u>																																									
1.	<i>Glycine max</i>	UPL	HERB	80			7.	--	--	--																																									
2.	--	--	--	--			8.	--	--	--																																									
3.	--	--	--	--			9.	--	--	--																																									
4.	--	--	--	--			10.	--	--	--																																									
5.	--	--	--	--			11.	--	--	--																																									
6.	--	--	--	--			12.	--	--	--																																									
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						0%																																													
Remarks: Hydrophytic vegetation is not dominant.																																																			
HYDROLOGY																																																			
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																														
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																														
SOILS																																																			
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																			
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>9</td> <td>Ap</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, firm</td> </tr> <tr> <td>9</td> <td>16</td> <td>Bt1</td> <td>10YR 3/1</td> <td>10YR 4/3</td> <td>common distinct</td> <td>silty clay, moist, firm</td> </tr> <tr> <td>16</td> <td>21</td> <td>Bt2</td> <td>2.5Y 4/1</td> <td>10YR 4/4</td> <td>common prominent</td> <td>silty clay, moist, firm</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	9	Ap	10YR 2/1	NA NA	NA NA	silty clay loam, moist, firm	9	16	Bt1	10YR 3/1	10YR 4/3	common distinct	silty clay, moist, firm	16	21	Bt2	2.5Y 4/1	10YR 4/4	common prominent	silty clay, moist, firm														
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																													
0	9	Ap	10YR 2/1	NA NA	NA NA	silty clay loam, moist, firm																																													
9	16	Bt1	10YR 3/1	10YR 4/3	common distinct	silty clay, moist, firm																																													
16	21	Bt2	2.5Y 4/1	10YR 4/4	common prominent	silty clay, moist, firm																																													
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%; vertical-align: top;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> </tr> </table>						_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) </td> </tr> </table> ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)				_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																							
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																		
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																			
Remarks: Hydric soils are present.																																																			
WETLAND DETERMINATION																																																			
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																														
Remarks: This plot is not located in a wetland. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since no wetland hydrology is evident and hydrophytic vegetation is not dominant.																																																			

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS08NW-6 Plot ID: NA																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybean; no crop stress Tile inlet was visible in the southern portion of this field. Hydrophytic vegetation not dominant and hydrology not present, so no soil core taken.																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. Glycine max	UPL	HERB	100																																																												
2. --	--	--	--																																																												
3. --	--	--	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																															
HYDROLOGY																																																															
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge _____ X Aerial Photos _____ Other _____ No Recorded Data Available Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ NA (in.) Depth to Saturated Soil: _____ NA (in.)					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																										
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																															
SOILS																																																															
Map Unit Name: Peotone silty clay loam, 0 to 2 percent slopes Series Drainage Class: Very poorly drained Taxonomy (Subgroup): Cumulic Vertic Endoaquoll Field Observations Confirm Mapped Type? No soil core collected Yes _____ No _____																																																															
Profile Description:																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Hydric Soil Indicators ² :																																																															
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																										
Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																															
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																															
² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																															
Remarks: Crop does not show signs of stress and hydrology not present, so no soil core taken.																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? _____ Yes _____ X No					Hydric Soils Present? No soil core collected Yes _____ No _____																																																										
Wetland Hydrology Present? _____ Yes _____ X No					Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																										
Remarks: This plot is not located in a wetland.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																				
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS08NW-7 Plot ID: NA																																																														
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Tiled, grassed drainageway Hydrophytic vegetation not dominant and hydrology not present, so no soil core taken.																																																														
VEGETATION Dominant Species (50/20 Rule) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Daucus carota</i></td> <td>UPL</td> <td>HERB</td> <td>10</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>60</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Festuca elatior</i></td> <td>UPL</td> <td>HERB</td> <td>10</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Ambrosia artemisiifolia</i></td> <td>FACU</td> <td>HERB</td> <td>5</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Agropyron repens</i></td> <td>FACU</td> <td>HERB</td> <td>15</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Daucus carota</i>	UPL	HERB	10		7. --	--	--	--	2. <i>Bromus inermis</i>	UPL	HERB	60		8. --	--	--	--	3. <i>Festuca elatior</i>	UPL	HERB	10		9. --	--	--	--	4. <i>Ambrosia artemisiifolia</i>	FACU	HERB	5		10. --	--	--	--	5. <i>Agropyron repens</i>	FACU	HERB	15		11. --	--	--	--	6. --	--	--	--	
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Daucus carota</i>	UPL	HERB	10		7. --	--	--	--																																																												
2. <i>Bromus inermis</i>	UPL	HERB	60		8. --	--	--	--																																																												
3. <i>Festuca elatior</i>	UPL	HERB	10		9. --	--	--	--																																																												
4. <i>Ambrosia artemisiifolia</i>	FACU	HERB	5		10. --	--	--	--																																																												
5. <i>Agropyron repens</i>	FACU	HERB	15		11. --	--	--	--																																																												
6. --	--	--	--		12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.						HYDROLOGY <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available </div> <div style="width: 50%;"> Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) </div> </div>																																																														
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)										Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																										
SOILS Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																																				
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.7em;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Matrix Color</th> <th style="width: 10%;">Mottle Colors</th> <th style="width: 10%;">Mottle</th> <th style="width: 60%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> <tr> <th>Depth</th> <th>Depth</th> <th>Horizon</th> <th>(Munsell Moist):</th> <th>(Munsell Moist):</th> <th>Abundance/Contrast</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material, and other soil characteristics.	Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast																																															
Top	Bottom	Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material, and other soil characteristics.																																																															
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast																																																															
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) </td> </tr> </table>						<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)	Indicators for Problematic Hydric Soils ¹ : ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																											
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	<input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																																		
Remarks: Hydrophytic vegetation not dominant and hydrology not present, so no soil core taken.						² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																														
WETLAND DETERMINATION <table style="width: 100%;"> <tr> <td style="width: 50%;"> Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> <td style="width: 50%;"> Hydric Soils Present? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/> Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> </table>										Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/> Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																									
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hydric Soils Present? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/> Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Remarks: This plot is not located in a wetland.																																																																				

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: M. Hildreth						Date: 10/16/08 County: Will State: Illinois Community ID: Upland Station ID: WS08NW-8 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Tiled, grassed waterway with dominant upland vegetation; no soil core taken																																																											
VEGETATION																																																																	
Dominant Species (50/ 20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: center;">Ind. Status</th> <th style="text-align: center;">Stratum</th> <th style="text-align: center;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Bromus inermis</i></td><td style="text-align: center;">UPL</td><td style="text-align: center;">HERB</td><td style="text-align: center;">--</td></tr> <tr><td>2. <i>Daucus carota</i></td><td style="text-align: center;">UPL</td><td style="text-align: center;">HERB</td><td style="text-align: center;">--</td></tr> <tr><td>3. <i>Solidago altissima</i></td><td style="text-align: center;">FACU</td><td style="text-align: center;">HERB</td><td style="text-align: center;">--</td></tr> <tr><td>4. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>5. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>6. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	--	2. <i>Daucus carota</i>	UPL	HERB	--	3. <i>Solidago altissima</i>	FACU	HERB	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: center;">Ind. Status</th> <th style="text-align: center;">Stratum</th> <th style="text-align: center;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>8. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>9. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>10. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>11. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> <tr><td>12. --</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td><td style="text-align: center;">--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Bromus inermis</i>	UPL	HERB	--																																																														
2. <i>Daucus carota</i>	UPL	HERB	--																																																														
3. <i>Solidago altissima</i>	FACU	HERB	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%						Remarks: Hydrophytic vegetation is not dominant.																																																											
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Broken field tile observed with water flowing into area near west end.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																																	
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top Depth</th> <th style="text-align: center;">Bottom Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">Matrix Color (Munsell Moist):</th> <th style="text-align: center;">Mottle Colors (Munsell Moist):</th> <th style="text-align: center;">Mottle Abundance/Contrast</th> <th style="text-align: center;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top Depth	Bottom Depth	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² : <table style="width: 100%;"> <tr> <td style="width: 50%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </td> </tr> </table>						<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																									
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																
Remarks: Hydric soils are mapped. No soil core taken																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																												
Remarks: Not located in a wetland. *Hydric soils mapped; no soil core taken. No wetland vegetation or hydrology.																																																																	

Site: SSA Inaugural Delineation
 Locale: WS08NW9
 Date: October 16, 2008 1 hours
 By: AECOM: T.Radke; M.Hildreth
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS08NW9.inv

FLORISTIC QUALITY DATA	Native	16	61.5%	Adventive	10	38.5%
16 NATIVE SPECIES	Tree	0	0.0%	Tree	1	3.8%
26 Total Species	Shrub	2	7.7%	Shrub	0	0.0%
2.2 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
1.3 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
8.8 NATIVE FQI	P-Forb	8	30.8%	P-Forb	1	3.8%
6.9 W/Adventives	B-Forb	0	0.0%	B-Forb	1	3.8%
-2.7 NATIVE MEAN W	A-Forb	2	7.7%	A-Forb	5	19.2%
-1.3 W/Adventives	P-Grass	1	3.8%	P-Grass	1	3.8%
AVG: Fac. Wetland	A-Grass	2	7.7%	A-Grass	1	3.8%
	P-Sedge	1	3.8%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	0	0.0%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0 ABUTILON THEOPHRASTII	4 FACU-	Ad A-Forb	VELVETLEAF
AMARET	0 AMARANTHUS RETROFLEXUS	2 FACU+	Ad A-Forb	ROUGH AMARANTH
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
APOSIB	2 Apocynum sibiricum	-1 FAC+	Nt P-Forb	PRAIRIE INDIAN HEMP
ASCINC	4 Asclepias incarnata	-5 OBL	Nt P-Forb	SWAMP MILKWEED
ASCSYR	0 Asclepias syriaca	5 UPL	Nt P-Forb	COMMON MILKWEED
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
CXCRIS	4 Carex cristatella	-4 FACW+	Nt P-Sedge	CRESTED OVAL SEDGE
CHEALB	0 CHENOPODIUM ALBUM	1 FAC-	Ad A-Forb	LAMB'S QUARTERS
DAUCAR	0 DAUCUS CAROTA	5 UPL	Ad B-Forb	QUEEN ANNE'S LACE
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
MORALB	0 MORUS ALBA	0 FAC	Ad Tree	WHITE MULBERRY
PANDII	0 Panicum dichotomiflorum	-2 FACW-	Nt A-Grass	KNEE GRASS
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLCOC	4 Polygonum coccineum	-5 OBL	Nt P-Forb	WATER HEARTSEASE
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
RORPAF	4 Rorippa palustris fernaldiana	-5 OBL	Nt A-Forb	MARSH CRESS
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SALDIS	2 Salix discolor	-3 FACW	Nt Shrub	PUSSY WILLOW
SAMCAN	1 Sambucus canadensis	-2 FACW-	Nt Shrub	ELDERBERRY
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
SOLGRG	4 Solidago graminifolia	-2 FACW-	Nt P-Forb	COMMON GRASS-LEAVED
GOLDENROD				
SPAPEC	4 Spartina pectinata	-4 FACW+	Nt P-Grass	PRAIRIE CORD GRASS
TYPANG	1 Typha angustifolia	-5 OBL	Nt P-Forb	NARROW-LEAVED CATTAIL
XANSTR	0 XANTHIUM STRUMARIUM	0 FAC	Ad A-Forb	COCKLEBUR

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T. Radke #2: M.Hildreth						Date: 10/16/08 County: Will State: Illinois Community ID: PEM Station ID: WS08NW-9 Plot ID: SC-1																																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																															
Remarks: Field tile present																																																																															
VEGETATION																																																																															
Dominant Species (50/20 Rule)																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 40%;"></th> </tr> </thead> <tbody> <tr> <td>1. <i>Phalaris arundinacea</i></td> <td>FACW+</td> <td>HERB</td> <td>100</td> <td></td> </tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		1. <i>Phalaris arundinacea</i>	FACW+	HERB	100		2. --	--	--	--		3. --	--	--	--		4. --	--	--	--		5. --	--	--	--		6. --	--	--	--		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 40%;"></th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		7. --	--	--	--		8. --	--	--	--		9. --	--	--	--		10. --	--	--	--		11. --	--	--	--		12. --	--	--	--	
Species Name	Ind. Status	Stratum	% Cover																																																																												
1. <i>Phalaris arundinacea</i>	FACW+	HERB	100																																																																												
2. --	--	--	--																																																																												
3. --	--	--	--																																																																												
4. --	--	--	--																																																																												
5. --	--	--	--																																																																												
6. --	--	--	--																																																																												
Species Name	Ind. Status	Stratum	% Cover																																																																												
7. --	--	--	--																																																																												
8. --	--	--	--																																																																												
9. --	--	--	--																																																																												
10. --	--	--	--																																																																												
11. --	--	--	--																																																																												
12. --	--	--	--																																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.																																																																															
HYDROLOGY																																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input checked="" type="checkbox"/> Other (Describe in Remarks) _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test _____ Other (Explain in Remarks)																																																																										
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: 17 (in.)																																																																															
Remarks: Wetland hydrology is present.																																																																															
SOILS																																																																															
Map Unit Name: Drummer silty clay loam Taxonomy (Subgroup): Typic Endoaquolls					Series Drainage Class: Poorly drained Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																										
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>23</td> <td>A1</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>Silty clay loam; moist, friable</td> </tr> <tr> <td>23</td> <td>33</td> <td>A2</td> <td>10YR 2/1</td> <td>10YR 4/2</td> <td>common distinct</td> <td>Silty clay loam; moist friable; few high chroma concretions present</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	23	A1	10YR 2/1	NA NA	NA NA	Silty clay loam; moist, friable	23	33	A2	10YR 2/1	10YR 4/2	common distinct	Silty clay loam; moist friable; few high chroma concretions present																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																									
0	23	A1	10YR 2/1	NA NA	NA NA	Silty clay loam; moist, friable																																																																									
23	33	A2	10YR 2/1	10YR 4/2	common distinct	Silty clay loam; moist friable; few high chroma concretions present																																																																									
Hydric Soil Indicators ² : <table style="width:100%;"> <tr> <td style="width: 50%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </td> </tr> </table>						<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																																							
<input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat	<input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions																																																																														
Remarks: Hydric soils are present. Dark matrix masks redox						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																									
WETLAND DETERMINATION																																																																															
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																										
Remarks: This plot is located in a wetland.																																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: AECOM; T.Radke #2: M.Hildreth						Date: 10/16/08 County: Will State: Illinois Community ID: Upland Station ID: WS08NW9 Plot ID: SC-2																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Tiled drainageway																																																											
Remarks: Tiled drainageway																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Daucus carota</i></td><td>UPL</td><td>HERB</td><td>25</td></tr> <tr><td>2. <i>Festuca elatior</i></td><td>UPL</td><td>HERB</td><td>35</td></tr> <tr><td>3. <i>Agropyron repens</i></td><td>FACU</td><td>HERB</td><td>30</td></tr> <tr><td>4. <i>Poa pratensis</i></td><td>FAC-</td><td>HERB</td><td>50</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Daucus carota</i>	UPL	HERB	25	2. <i>Festuca elatior</i>	UPL	HERB	35	3. <i>Agropyron repens</i>	FACU	HERB	30	4. <i>Poa pratensis</i>	FAC-	HERB	50	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Daucus carota</i>	UPL	HERB	25																																																														
2. <i>Festuca elatior</i>	UPL	HERB	35																																																														
3. <i>Agropyron repens</i>	FACU	HERB	30																																																														
4. <i>Poa pratensis</i>	FAC-	HERB	50																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%						Remarks: Hydrophytic vegetation is not dominant.																																																											
Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other (Describe in Remarks) <input type="checkbox"/> No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present.																																																																	
SOILS																																																																	
Map Unit Name: Drummer silty clay loam						Series Drainage Class: Poorly drained																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																											
Profile Description:																																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Depth	Depth																																																																
0	22	A	10YR	2/1	NA	NA	NA	NA	Silty clay loam; moist, friable																																																								
22	24	A2	10YR	2/1	2.5YR	4/6	common	distinct	Silty clay loam; moist, friable; concretions present																																																								
Hydric Soil Indicators ² :																																																																	
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat				_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions				Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses <input checked="" type="checkbox"/> Other (Explain in Remarks)																																																									
Remarks: Hydric soils present. Matches Drummer profile; dark matrix masks redox.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																													
Remarks: This plot is not located in wetland. Hydric soils present/mapped hydric. Field tile is present. Historic aerial photos show evidence of drain tile in this field and adjacent fields. Hydrology at this location has been impacted, so the hydric soil indicators found at this location are likely relict and indicative of pre-tile conditions since no wetland hydrology is evident and hydrophytic vegetation is not dominant.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS08SW-1 Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)																																																																	
Remarks: Field cropped with soybean; no crop stress Hydrophytic vegetation not dominant and hydrology not present, so no soil core taken.																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>100</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Glycine max	UPL	HERB	100	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Glycine max	UPL	HERB	100																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available				Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? No soil core collected Yes _____ No _____																																																																	
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
<table border="0" style="width:100%;"> <tr> <td style="width: 33%;"> Hydric Soil Indicators²: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 33%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> <td style="width: 33%;"> Indicators for Problematic Hydric Soils¹: _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) ¹Indicators of hydrophytic vegetation and wetland hydrology must be present. ²Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006) </td> </tr> </table>										Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																					
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																															
Remarks: Crop does not show signs of stress and hydrology not present, so no soil core taken.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No				Hydric Soils Present? No soil core collected Yes _____ No _____ Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																																													
Remarks: This plot is not located in a wetland.																																																																	

Site: SSA Inaugural Delineation
 Locale: WS08SW-2
 Date: February 13, 2009 .1 hours
 By: AECOM: Ann Amelse (form completed by TAS)
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS08SW2.inv
 Notes: For wetland areas WS08SW-2 a to e.

FLORISTIC QUALITY DATA	Native	5	71.4%	Adventive	2	28.6%
5 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
7 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
2.4 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
1.7 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
5.4 NATIVE FQI	P-Forb	2	28.6%	P-Forb	0	0.0%
4.5 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-2.4 NATIVE MEAN W	A-Forb	1	14.3%	A-Forb	1	14.3%
-2.1 W/Adventives	P-Grass	0	0.0%	P-Grass	1	14.3%
AVG: Fac. Wetland (-)	A-Grass	0	0.0%	A-Grass	0	0.0%
	P-Sedge	1	14.3%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	1	14.3%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
EQUARV	0 Equisetum arvense	0 FAC	Cryptogam	HORSETAIL
HELGRO	2 Helianthus grosseserratus	-2 FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
SCICYP	6 Scirpus cyperinus	-5 OBL	Nt P-Sedge	WOOL GRASS
VERHAS	4 Verbena hastata	-4 FACW+	Nt P-Forb	BLUE VERVAIN

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: PEM Station ID: WS08SW-2a Plot ID: SC-1																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Tiled eroded drainageway through uncultivated edge of ag field Bank height ~ 3'																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>30</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	30	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Phalaris arundinacea</i>	FACW+	HERB	30																																																												
2. --	--	--	--																																																												
3. --	--	--	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.																																																															
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: <input checked="" type="checkbox"/> Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																										
Field Observations: Depth of Surface Water: 4 (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																										
SOILS																																																															
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																															
Profile Description:																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Hydric Soil Indicators ² :																																																															
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																										
Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																															
¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																															
² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																															
Remarks: No soil core taken; hydric soils were assumed to exist based on inundation, hydrophytic vegetation, and channelized conditions. Hydric soils are mapped																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input type="checkbox"/> No																																																										
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																										
Remarks: This plot is located in a wetland *No soil core was taken; hydric soils were assumed to exist based on the inundation, hydrophytic vegetation, and channelized conditions.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																								
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS08SW-2a Plot ID: SC-2																																																																		
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Upland old field veg next to ag field																																																																		
Remarks: Upland old field veg next to ag field																																																																								
VEGETATION																																																																								
Dominant Species (50/20 Rule)																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 15%;"></th> <th style="width: 15%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Bromus inermis</i></td> <td>UPL</td> <td>HERB</td> <td>70</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2. <i>Daucus carota</i></td> <td>UPL</td> <td>HERB</td> <td>5</td> <td></td> <td>8. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>3. <i>Cirsium arvense</i></td> <td>FACU</td> <td>HERB</td> <td>5</td> <td></td> <td>9. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>4. <i>Festuca elatior</i></td> <td>UPL</td> <td>HERB</td> <td>10</td> <td></td> <td>10. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>5. <i>Helianthus grosseserratus</i></td> <td>FACW-</td> <td>HERB</td> <td>5</td> <td></td> <td>11. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>6. --</td> <td>--</td> <td>--</td> <td>--</td> <td></td> <td>12. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Bromus inermis</i>	UPL	HERB	70		7. --	--	--	--	2. <i>Daucus carota</i>	UPL	HERB	5		8. --	--	--	--	3. <i>Cirsium arvense</i>	FACU	HERB	5		9. --	--	--	--	4. <i>Festuca elatior</i>	UPL	HERB	10		10. --	--	--	--	5. <i>Helianthus grosseserratus</i>	FACW-	HERB	5		11. --	--	--	--	6. --	--	--	--		12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																																
1. <i>Bromus inermis</i>	UPL	HERB	70		7. --	--	--	--																																																																
2. <i>Daucus carota</i>	UPL	HERB	5		8. --	--	--	--																																																																
3. <i>Cirsium arvense</i>	FACU	HERB	5		9. --	--	--	--																																																																
4. <i>Festuca elatior</i>	UPL	HERB	10		10. --	--	--	--																																																																
5. <i>Helianthus grosseserratus</i>	FACW-	HERB	5		11. --	--	--	--																																																																
6. --	--	--	--		12. --	--	--	--																																																																
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0% Remarks: Hydrophytic vegetation is not dominant.																																																																								
HYDROLOGY																																																																								
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: <input checked="" type="checkbox"/> None Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																																			
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: 27.5 (in.) Depth to Saturated Soil: 24 (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																			
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																																								
SOILS																																																																								
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																								
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Top</th> <th style="width: 5%;">Bottom</th> <th style="width: 10%;">Horizon</th> <th style="width: 10%;">Matrix Color (Munsell Moist):</th> <th style="width: 10%;">Mottle Colors (Munsell Moist):</th> <th style="width: 10%;">Mottle Abundance/Contrast</th> <th style="width: 50%;">Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>7</td> <td>Ap</td> <td>10YR 2/2</td> <td>NA NA</td> <td>NA NA</td> <td>silt loam, moist, friable</td> </tr> <tr> <td>7</td> <td>22</td> <td>A</td> <td>10YR 2/1</td> <td>NA NA</td> <td>NA NA</td> <td>mucky silt loam, moist, friable</td> </tr> <tr> <td>22</td> <td>25</td> <td>Bt1</td> <td>10YR 3/1</td> <td>10YR 3/3</td> <td>few faint</td> <td>silty clay loam, moist to wet, friable</td> </tr> <tr> <td>25</td> <td>29</td> <td>Bt2</td> <td>10YR 4/1</td> <td>2.5Y 5/4</td> <td>common prominent</td> <td>silty clay loam, moist, friable</td> </tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	7	Ap	10YR 2/2	NA NA	NA NA	silt loam, moist, friable	7	22	A	10YR 2/1	NA NA	NA NA	mucky silt loam, moist, friable	22	25	Bt1	10YR 3/1	10YR 3/3	few faint	silty clay loam, moist to wet, friable	25	29	Bt2	10YR 4/1	2.5Y 5/4	common prominent	silty clay loam, moist, friable																												
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																		
0	7	Ap	10YR 2/2	NA NA	NA NA	silt loam, moist, friable																																																																		
7	22	A	10YR 2/1	NA NA	NA NA	mucky silt loam, moist, friable																																																																		
22	25	Bt1	10YR 3/1	10YR 3/3	few faint	silty clay loam, moist to wet, friable																																																																		
25	29	Bt2	10YR 4/1	2.5Y 5/4	common prominent	silty clay loam, moist, friable																																																																		
Hydric Soil Indicators ² : _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						Indicators for Problematic Hydric Soils ¹ : _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																		
_____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																		
Remarks: Hydric soils are not present.																																																																								
WETLAND DETERMINATION																																																																								
Hydrophytic Vegetation Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Wetland Hydrology Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Is This Sampling Point Within A Wetland? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																																																			
Remarks: This plot is not located in a wetland.																																																																								

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: PEM Station ID: WS08SW-2b Plot ID: NA																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)																																																																	
Remarks: tile blowout area in old ag field Bank height ~ 3'																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. <i>Phalaris arundinacea</i></td><td>FACW+</td><td>HERB</td><td>60</td></tr> <tr><td>2. <i>Ambrosia trifida</i></td><td>FAC+</td><td>HERB</td><td>10</td></tr> <tr><td>3. <i>Polygonum persicaria</i></td><td>FACW</td><td>HERB</td><td>10</td></tr> <tr><td>4. <i>Verbena hastata</i></td><td>FACW+</td><td>HERB</td><td>5</td></tr> <tr><td>5. <i>Helianthus grosseserratus</i></td><td>FACW-</td><td>HERB</td><td>15</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	60	2. <i>Ambrosia trifida</i>	FAC+	HERB	10	3. <i>Polygonum persicaria</i>	FACW	HERB	10	4. <i>Verbena hastata</i>	FACW+	HERB	5	5. <i>Helianthus grosseserratus</i>	FACW-	HERB	15	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. <i>Phalaris arundinacea</i>	FACW+	HERB	60																																																														
2. <i>Ambrosia trifida</i>	FAC+	HERB	10																																																														
3. <i>Polygonum persicaria</i>	FACW	HERB	10																																																														
4. <i>Verbena hastata</i>	FACW+	HERB	5																																																														
5. <i>Helianthus grosseserratus</i>	FACW-	HERB	15																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100%						Remarks: Hydrophytic vegetation is dominant.																																																											
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available				Wetland Hydrology Indicators: _____ None Primary Indicators: <input checked="" type="checkbox"/> Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test _____ Other (Explain in Remarks)																																																													
Field Observations: Depth of Surface Water: 3 (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)				Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																													
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes						Series Drainage Class: Poorly drained																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																											
Profile Description:																																																																	
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																											
Hydric Soil Indicators ² :						Indicators for Problematic Hydric Soils ¹ :																																																											
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat			_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions			_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																											
						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																											
Remarks: No soil core taken; hydric soils were assumed to exist based on inundated conditions and presence of hydrophytic vegetation.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Hydric Soils Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																													
Remarks: This plot is located in a wetland *No soil core taken; hydric soils were assumed to exist based on inundated conditions and presence of hydrophytic vegetation. Wetland boundary was delineated based on hydrophytic vegetation and distinct topographic change.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: PEM Station ID: WS08SW-2c Plot ID: NA																																																									
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: tile blowout area in old ag field Bank height ~ 3'																																																									
VEGETATION Dominant Species (50/20 Rule)																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Ambrosia trifida</td><td>FAC+</td><td>HERB</td><td>80</td></tr> <tr><td>2. <i>Polygonum persicaria</i></td><td>FACW</td><td>HERB</td><td>10</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Ambrosia trifida	FAC+	HERB	80	2. <i>Polygonum persicaria</i>	FACW	HERB	10	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																												
1. Ambrosia trifida	FAC+	HERB	80																																																												
2. <i>Polygonum persicaria</i>	FACW	HERB	10																																																												
3. --	--	--	--																																																												
4. --	--	--	--																																																												
5. --	--	--	--																																																												
6. --	--	--	--																																																												
Species Name	Ind. Status	Stratum	% Cover																																																												
7. --	--	--	--																																																												
8. --	--	--	--																																																												
9. --	--	--	--																																																												
10. --	--	--	--																																																												
11. --	--	--	--																																																												
12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.																																																															
HYDROLOGY																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: <input checked="" type="checkbox"/> Inundated _____ Saturated in Upper 12 Inches <input checked="" type="checkbox"/> Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																										
Field Observations: Depth of Surface Water: 3 (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																										
SOILS																																																															
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																															
Profile Description:																																																															
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																									
Hydric Soil Indicators ² :																																																															
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat					_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																										
_____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)					¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																										
Remarks: No soil core taken; hydric soils were assumed to exist based on inundated conditions and presence of hydrophytic vegetation.																																																															
WETLAND DETERMINATION																																																															
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																										
Remarks: This plot is located in a wetland *No soil core taken; hydric soils were assumed to exist based on inundated conditions and presence of hydrophytic vegetation. Wetland boundary was delineated based on hydrophytic vegetation and distinct topographic change.																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																	
Project/Site: Inaugural South Suburban Airport						Date: 10/08/08																																																											
Applicant/Owner: Illinois Department of Transportation						County: Will																																																											
Investigator #1: Ann Amelse #2: Matt Hildreth						State: Illinois																																																											
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Community ID: PEM																																																											
Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Station ID: WS08SW-2d																																																											
Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Plot ID: NA																																																											
Remarks: Tile blowout area in old ag field Bank height ~ 3'																																																																	
VEGETATION																																																																	
Dominant Species (50/20 Rule)																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>1. Solidago gigantea</td><td>FACW</td><td>HERB</td><td>10</td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>				Species Name	Ind. Status	Stratum	% Cover	1. Solidago gigantea	FACW	HERB	10	2. --	--	--	--	3. --	--	--	--	4. --	--	--	--	5. --	--	--	--	6. --	--	--	--	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Species Name</th> <th style="text-align: left;">Ind. Status</th> <th style="text-align: left;">Stratum</th> <th style="text-align: left;">% Cover</th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>						Species Name	Ind. Status	Stratum	% Cover	7. --	--	--	--	8. --	--	--	--	9. --	--	--	--	10. --	--	--	--	11. --	--	--	--	12. --	--	--	--
Species Name	Ind. Status	Stratum	% Cover																																																														
1. Solidago gigantea	FACW	HERB	10																																																														
2. --	--	--	--																																																														
3. --	--	--	--																																																														
4. --	--	--	--																																																														
5. --	--	--	--																																																														
6. --	--	--	--																																																														
Species Name	Ind. Status	Stratum	% Cover																																																														
7. --	--	--	--																																																														
8. --	--	--	--																																																														
9. --	--	--	--																																																														
10. --	--	--	--																																																														
11. --	--	--	--																																																														
12. --	--	--	--																																																														
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):						100%																																																											
Remarks: Hydrophytic vegetation is dominant.																																																																	
HYDROLOGY																																																																	
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available					Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)																																																												
Field Observations: Depth of Surface Water: 3 (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)																																																																	
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																	
SOILS																																																																	
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes						Series Drainage Class: Poorly drained																																																											
Taxonomy (Subgroup): Typic Endoaquolls						Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																											
Profile Description:																																																																	
Top	Bottom		Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,																																																											
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	and other soil characteristics.																																																											
Hydric Soil Indicators ² : <table style="width:100%;"> <tr> <td><input type="checkbox"/> (A1) Histosol</td> <td><input type="checkbox"/> (S4) Sandy Gleyed Matrix</td> <td><input type="checkbox"/> (A16) Coast Prairie Redox</td> </tr> <tr> <td><input type="checkbox"/> (A2) Histic Epipedon</td> <td><input type="checkbox"/> (S5) Sandy Redox</td> <td><input type="checkbox"/> (F12) Iron-Manganese Masses</td> </tr> <tr> <td><input type="checkbox"/> (A3) Black Histic</td> <td><input type="checkbox"/> (S6) Stripped Matrix</td> <td><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> <tr> <td><input type="checkbox"/> (A4) Hydrogen Sulfide</td> <td><input type="checkbox"/> (F1) Loamy Mucky Mineral</td> <td></td> </tr> <tr> <td><input type="checkbox"/> (A5) Stratified Layers</td> <td><input type="checkbox"/> (F2) Loamy Gleyed Matrix</td> <td></td> </tr> <tr> <td><input type="checkbox"/> (A10) 2 cm Muck</td> <td><input type="checkbox"/> (F3) Depleted Matrix</td> <td></td> </tr> <tr> <td><input type="checkbox"/> (A11) Depleted Below Dark Surface</td> <td><input type="checkbox"/> (F6) Redox Dark Surface</td> <td></td> </tr> <tr> <td><input type="checkbox"/> (A12) Thick Dark Surface</td> <td><input type="checkbox"/> (F7) Depleted Dark Surface</td> <td></td> </tr> <tr> <td><input type="checkbox"/> (S1) Sandy Mucky Mineral</td> <td><input type="checkbox"/> (F8) Redox Depressions</td> <td></td> </tr> <tr> <td><input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat</td> <td></td> <td></td> </tr> </table>										<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix	<input type="checkbox"/> (A16) Coast Prairie Redox	<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox	<input type="checkbox"/> (F12) Iron-Manganese Masses	<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral		<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix		<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix		<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface		<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface		<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions		<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat																												
<input type="checkbox"/> (A1) Histosol	<input type="checkbox"/> (S4) Sandy Gleyed Matrix	<input type="checkbox"/> (A16) Coast Prairie Redox																																																															
<input type="checkbox"/> (A2) Histic Epipedon	<input type="checkbox"/> (S5) Sandy Redox	<input type="checkbox"/> (F12) Iron-Manganese Masses																																																															
<input type="checkbox"/> (A3) Black Histic	<input type="checkbox"/> (S6) Stripped Matrix	<input type="checkbox"/> Other (Explain in Remarks)																																																															
<input type="checkbox"/> (A4) Hydrogen Sulfide	<input type="checkbox"/> (F1) Loamy Mucky Mineral																																																																
<input type="checkbox"/> (A5) Stratified Layers	<input type="checkbox"/> (F2) Loamy Gleyed Matrix																																																																
<input type="checkbox"/> (A10) 2 cm Muck	<input type="checkbox"/> (F3) Depleted Matrix																																																																
<input type="checkbox"/> (A11) Depleted Below Dark Surface	<input type="checkbox"/> (F6) Redox Dark Surface																																																																
<input type="checkbox"/> (A12) Thick Dark Surface	<input type="checkbox"/> (F7) Depleted Dark Surface																																																																
<input type="checkbox"/> (S1) Sandy Mucky Mineral	<input type="checkbox"/> (F8) Redox Depressions																																																																
<input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat																																																																	
Indicators for Problematic Hydric Soils ¹ : ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present.																																																																	
² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																	
Remarks: No soil core taken; hydric soils were assumed to exist based on inundated conditions and presence of hydrophytic vegetation.																																																																	
WETLAND DETERMINATION																																																																	
Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Hydric Soils Present? <input type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																												
Remarks: This plot is located in a wetland *No soil core taken; hydric soils were assumed to exist based on inundated conditions and presence of hydrophytic vegetation. Wetland boundary was delineated based on hydrophytic vegetation and distinct topographic change.																																																																	

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																				
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hildreth						Date: 10/08/08 County: Will State: Illinois Community ID: PEM Station ID: WS08SW-2e Plot ID: NA																																																														
Do Normal Circumstances Exist On The Site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Site Significantly Disturbed (Atypical Situation)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Is The Area A Potential Problem Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If yes, define below.)						Remarks: Tile blowout area in old ag field Bank height ~ 3'																																																														
VEGETATION Dominant Species (50/20 Rule) <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> </tr> </thead> <tbody> <tr> <td>1. <i>Phalaris arundinacea</i></td> <td>FACW+</td> <td>HERB</td> <td>100</td> <td></td> <td>7. --</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td><td></td><td>8. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td><td></td><td>9. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td><td></td><td>10. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td><td></td><td>11. --</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td><td></td><td>12. --</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>										Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover	1. <i>Phalaris arundinacea</i>	FACW+	HERB	100		7. --	--	--	--	2. --	--	--	--		8. --	--	--	--	3. --	--	--	--		9. --	--	--	--	4. --	--	--	--		10. --	--	--	--	5. --	--	--	--		11. --	--	--	--	6. --	--	--	--	
Species Name	Ind. Status	Stratum	% Cover		Species Name	Ind. Status	Stratum	% Cover																																																												
1. <i>Phalaris arundinacea</i>	FACW+	HERB	100		7. --	--	--	--																																																												
2. --	--	--	--		8. --	--	--	--																																																												
3. --	--	--	--		9. --	--	--	--																																																												
4. --	--	--	--		10. --	--	--	--																																																												
5. --	--	--	--		11. --	--	--	--																																																												
6. --	--	--	--		12. --	--	--	--																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 100% Remarks: Hydrophytic vegetation is dominant.						HYDROLOGY <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available </div> <div style="width: 45%;"> Wetland Hydrology Indicators: <input type="checkbox"/> None Primary Indicators: <input checked="" type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) </div> </div>																																																														
Field Observations: Depth of Surface Water: 3 (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)										Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																										
SOILS Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? No soil core collected Yes <input type="checkbox"/> No <input type="checkbox"/>																																																																				
Profile Description: <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.7em;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																				
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																														
Hydric Soil Indicators ² : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> (A1) Histosol <input type="checkbox"/> (A2) Histic Epipedon <input type="checkbox"/> (A3) Black Histic <input type="checkbox"/> (A4) Hydrogen Sulfide <input type="checkbox"/> (A5) Stratified Layers <input type="checkbox"/> (A10) 2 cm Muck <input type="checkbox"/> (A11) Depleted Below Dark Surface <input type="checkbox"/> (A12) Thick Dark Surface <input type="checkbox"/> (S1) Sandy Mucky Mineral <input type="checkbox"/> (S3) 5 cm Mucky Peat or Peat </div> <div style="width: 45%;"> <input type="checkbox"/> (S4) Sandy Gleyed Matrix <input type="checkbox"/> (S5) Sandy Redox <input type="checkbox"/> (S6) Stripped Matrix <input type="checkbox"/> (F1) Loamy Mucky Mineral <input type="checkbox"/> (F2) Loamy Gleyed Matrix <input type="checkbox"/> (F3) Depleted Matrix <input type="checkbox"/> (F6) Redox Dark Surface <input type="checkbox"/> (F7) Depleted Dark Surface <input type="checkbox"/> (F8) Redox Depressions </div> </div>						Indicators for Problematic Hydric Soils ¹ : <input type="checkbox"/> (A16) Coast Prairie Redox <input type="checkbox"/> (F12) Iron-Manganese Masses <input type="checkbox"/> Other (Explain in Remarks)																																																														
Remarks: No soil core taken; hydric soils were assumed to exist based on inundated conditions and presence of hydrophytic vegetation.						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																														
WETLAND DETERMINATION Hydrophytic Vegetation Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Wetland Hydrology Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Hydric Soils Present? <input type="checkbox"/> Yes <input type="checkbox"/> No Is This Sampling Point Within A Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																				
Remarks: This plot is located in a wetland *No soil core taken; hydric soils were assumed to exist based on inundated conditions and presence of hydrophytic vegetation. Wetland boundary was delineated based on hydrophytic vegetation and distinct topographic change.																																																																				

Site: SSA Inaugural Delineation
 Locale: WS08SW-3
 Date: February 13, 2009 .1 hours
 By: AECOM: Ann Amelse (form completed by TAS)
 File: c:\FQA\studies\SSA\Wetlands2008\Final\WS08SW3.inv

FLORISTIC QUALITY DATA	Native	3	33.3%	Adventive	6	66.7%
3 NATIVE SPECIES	Tree	0	0.0%	Tree	0	0.0%
9 Total Species	Shrub	0	0.0%	Shrub	0	0.0%
0.0 NATIVE MEAN C	W-Vine	0	0.0%	W-Vine	0	0.0%
0.0 W/Adventives	H-Vine	0	0.0%	H-Vine	0	0.0%
0.0 NATIVE FQI	P-Forb	0	0.0%	P-Forb	1	11.1%
0.0 W/Adventives	B-Forb	0	0.0%	B-Forb	0	0.0%
-1.3 NATIVE MEAN W	A-Forb	1	11.1%	A-Forb	3	33.3%
0.9 W/Adventives	P-Grass	0	0.0%	P-Grass	0	0.0%
AVG: Faculative (+)	A-Grass	1	11.1%	A-Grass	2	22.2%
	P-Sedge	0	0.0%	P-Sedge	0	0.0%
	A-Sedge	0	0.0%	A-Sedge	0	0.0%
	Cryptogam	1	11.1%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ECHCRU	0 Echinochloa crusgalli	-3 FACW	Nt A-Grass	BARNYARD GRASS
EQUARV	0 Equisetum arvense	0 FAC	Cryptogam	HORSETAIL
GLYNMX	0 GLYCINE MAX	5 UPL	Ad A-Forb	SOY BEAN
HIBTRI	0 HIBISCUS TRIONUM	5 UPL	Ad A-Forb	FLOWER-OF-AN-HOUR
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																																															
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hilderth						Date: 10/08/08 County: Will State: Illinois Community ID: FW Station ID: WS08SW-3 Plot ID: SC-1																																																																									
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)																																																																															
Remarks: Field cropped with soybeans - crop shows signs of stress Observed tile inlet in the middle of this field.																																																																															
VEGETATION																																																																															
Dominant Species (50/20 Rule)																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>1. Glycine max</td><td>UPL</td><td>HERB</td><td>70</td><td></td></tr> <tr><td>2. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>3. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>4. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>5. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>6. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		1. Glycine max	UPL	HERB	70		2. --	--	--	--		3. --	--	--	--		4. --	--	--	--		5. --	--	--	--		6. --	--	--	--		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Species Name</th> <th style="width: 10%;">Ind. Status</th> <th style="width: 10%;">Stratum</th> <th style="width: 10%;">% Cover</th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr><td>7. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>8. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>9. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>10. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>11. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> <tr><td>12. --</td><td>--</td><td>--</td><td>--</td><td></td></tr> </tbody> </table>					Species Name	Ind. Status	Stratum	% Cover		7. --	--	--	--		8. --	--	--	--		9. --	--	--	--		10. --	--	--	--		11. --	--	--	--		12. --	--	--	--	
Species Name	Ind. Status	Stratum	% Cover																																																																												
1. Glycine max	UPL	HERB	70																																																																												
2. --	--	--	--																																																																												
3. --	--	--	--																																																																												
4. --	--	--	--																																																																												
5. --	--	--	--																																																																												
6. --	--	--	--																																																																												
Species Name	Ind. Status	Stratum	% Cover																																																																												
7. --	--	--	--																																																																												
8. --	--	--	--																																																																												
9. --	--	--	--																																																																												
10. --	--	--	--																																																																												
11. --	--	--	--																																																																												
12. --	--	--	--																																																																												
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-):					0%																																																																										
Remarks: Hydrophytic vegetation is not dominant.																																																																															
HYDROLOGY																																																																															
<input checked="" type="checkbox"/> Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge <input checked="" type="checkbox"/> Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: _____ None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks <input checked="" type="checkbox"/> Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): <input checked="" type="checkbox"/> Oxidized Root Channels In Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																																																										
Field Observations: Depth of Surface Water: _____ NA (in.) Depth to Free Water: _____ 20.5 (in.) Depth to Saturated Soil: _____ NA (in.)																																																																															
Remarks: Wetland hydrology is present. Aerial photos used for NRCS slide review.																																																																															
SOILS																																																																															
Map Unit Name: Peotone silty clay loam, 0 to 2 percent slopes Series Drainage Class: Very poorly drained Taxonomy (Subgroup): Cumulic Vertic Endoaquoll Field Observations Confirm Mapped Type? _____ X Yes _____ No																																																																															
Profile Description: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Top</th> <th>Bottom</th> <th>Horizon</th> <th>Matrix Color (Munsell Moist):</th> <th>Mottle Colors (Munsell Moist):</th> <th>Mottle Abundance/Contrast</th> <th>Texture, moisture, consistency, organic material, and other soil characteristics.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>8</td> <td>Ap</td> <td>N 2.5/0</td> <td>NA NA</td> <td>NA NA</td> <td>silty clay loam, moist, firm</td> </tr> <tr> <td>8</td> <td>16</td> <td>Bt1</td> <td>N 2.5/0</td> <td>7.5YR 2.5/3</td> <td>common distinct</td> <td>silty clay, moist, very firm</td> </tr> <tr> <td>16</td> <td>22</td> <td>Bt2</td> <td>2.5Y 5/1</td> <td>10YR 4/4</td> <td>many prominent</td> <td>silty clay, moist, firm</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.	0	8	Ap	N 2.5/0	NA NA	NA NA	silty clay loam, moist, firm	8	16	Bt1	N 2.5/0	7.5YR 2.5/3	common distinct	silty clay, moist, very firm	16	22	Bt2	2.5Y 5/1	10YR 4/4	many prominent	silty clay, moist, firm																																										
Top	Bottom	Horizon	Matrix Color (Munsell Moist):	Mottle Colors (Munsell Moist):	Mottle Abundance/Contrast	Texture, moisture, consistency, organic material, and other soil characteristics.																																																																									
0	8	Ap	N 2.5/0	NA NA	NA NA	silty clay loam, moist, firm																																																																									
8	16	Bt1	N 2.5/0	7.5YR 2.5/3	common distinct	silty clay, moist, very firm																																																																									
16	22	Bt2	2.5Y 5/1	10YR 4/4	many prominent	silty clay, moist, firm																																																																									
Hydric Soil Indicators ² : <table style="width:100%;"> <tr> <td style="width: 50%;"> _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%;"> _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions </td> </tr> </table>						_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions	Indicators for Problematic Hydric Soils ¹ : _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																																							
_____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface <input checked="" type="checkbox"/> (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	_____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix <input checked="" type="checkbox"/> (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions																																																																														
Remarks: Hydric soils are present						¹ Indicators of hydrophytic vegetation and wetland hydrology must be present. ² Source: Field Indicators of Hydric Soils in the U.S. Version 6.0 (NRCS, 2006)																																																																									
WETLAND DETERMINATION																																																																															
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ X Yes _____ No					Hydric Soils Present? _____ X Yes _____ No Is This Sampling Point Within A Wetland? _____ X Yes _____ No																																																																										
Remarks: This plot is located in a wetland. Hydric soils and wetland hydrology are present, under normal circumstances the area would support hydrophytic vegetation.																																																																															

DATA FORM ROUTINE WETLAND DETERMINATION (1987 COE Wetlands Delineation Manual)																																																			
Project/Site: Inaugural South Suburban Airport Applicant/Owner: Illinois Department of Transportation Investigator #1: Ann Amelse #2: Matt Hilderth						Date: 10/08/08 County: Will State: Illinois Community ID: Upland Station ID: WS08SW-3 Plot ID: SC-2																																													
Do Normal Circumstances Exist On The Site? _____ Yes _____ X No Is The Site Significantly Disturbed (Atypical Situation)? _____ Yes _____ X No Is The Area A Potential Problem Area? _____ Yes _____ X No (If yes, define below.)						Remarks: Field cropped with soybeans																																													
Remarks: Field cropped with soybeans																																																			
VEGETATION																																																			
Dominant Species (50/20 Rule)																																																			
<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>				<u>Species Name</u> <u>Ind. Status</u> <u>Stratum</u> <u>% Cover</u>																																															
1. <i>Glycine max</i> UPL HERB 100				7. -- -- -- --																																															
2. -- -- -- --				8. -- -- -- --																																															
3. -- -- -- --				9. -- -- -- --																																															
4. -- -- -- --				10. -- -- -- --																																															
5. -- -- -- --				11. -- -- -- --																																															
6. -- -- -- --				12. -- -- -- --																																															
Percent of Dominant Species That Are OBL, FACW, Or FAC (Excluding FAC-): 0%																																																			
Remarks: Hydrophytic vegetation is not dominant.																																																			
HYDROLOGY																																																			
X Recorded Data (Describe in Remarks): _____ Stream, Lake, Or Tide Gauge X Aerial Photos _____ Other _____ No Recorded Data Available					Wetland Hydrology Indicators: X None Primary Indicators: _____ Inundated _____ Saturated in Upper 12 Inches _____ Water Marks _____ Drift Lines _____ Sediment Deposits _____ Drainage Patterns in Wetlands Secondary Indicators (2 or More Required): _____ Oxidized Root Channels In Upper 12 Inches _____ Water-Stained Leaves _____ Local Soil Survey Data _____ FAC-Neutral Test _____ Other (Explain in Remarks)																																														
Field Observations: Depth of Surface Water: NA (in.) Depth to Free Water: NA (in.) Depth to Saturated Soil: NA (in.)					Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																														
Remarks: Wetland hydrology is not present. Aerial photos used for NRCS slide review.																																																			
SOILS																																																			
Map Unit Name: Ashkum silty clay loam, 0 to 2 percent slopes Series Drainage Class: Poorly drained Taxonomy (Subgroup): Typic Endoaquolls Field Observations Confirm Mapped Type? _____ Yes _____ X No																																																			
Profile Description: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> <th style="text-align: center;">Matrix Color</th> <th style="text-align: center;">Mottle Colors</th> <th style="text-align: center;">Mottle</th> <th style="text-align: center;">Texture, moisture, consistency, organic material,</th> </tr> <tr> <th style="text-align: center;">Depth</th> <th style="text-align: center;">Depth</th> <th style="text-align: center;">Horizon</th> <th style="text-align: center;">(Munsell Moist):</th> <th style="text-align: center;">(Munsell Moist):</th> <th style="text-align: center;">Abundance/Contrast</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">10.5</td> <td style="text-align: center;">Ap</td> <td style="text-align: center;">10YR</td> <td style="text-align: center;">2/1</td> <td style="text-align: center;">NA NA NA NA</td> </tr> <tr> <td style="text-align: center;">10.5</td> <td style="text-align: center;">22</td> <td style="text-align: center;">Bt</td> <td style="text-align: center;">10YR</td> <td style="text-align: center;">3/1</td> <td style="text-align: center;">10YR 4/6 common prominent</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>										Top	Bottom	Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,	Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast	0	10.5	Ap	10YR	2/1	NA NA NA NA	10.5	22	Bt	10YR	3/1	10YR 4/6 common prominent																		
Top	Bottom	Matrix Color	Mottle Colors	Mottle	Texture, moisture, consistency, organic material,																																														
Depth	Depth	Horizon	(Munsell Moist):	(Munsell Moist):	Abundance/Contrast																																														
0	10.5	Ap	10YR	2/1	NA NA NA NA																																														
10.5	22	Bt	10YR	3/1	10YR 4/6 common prominent																																														
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> Hydric Soil Indicators²: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat </td> <td style="width: 50%; vertical-align: top;"> Indicators for Problematic Hydric Soils¹: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks) </td> </tr> </table>										Hydric Soil Indicators²: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils¹: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																								
Hydric Soil Indicators²: _____ (A1) Histosol _____ (A2) Histic Epipedon _____ (A3) Black Histic _____ (A4) Hydrogen Sulfide _____ (A5) Stratified Layers _____ (A10) 2 cm Muck _____ (A11) Depleted Below Dark Surface _____ (A12) Thick Dark Surface _____ (S1) Sandy Mucky Mineral _____ (S3) 5 cm Mucky Peat or Peat	Indicators for Problematic Hydric Soils¹: _____ (S4) Sandy Gleyed Matrix _____ (S5) Sandy Redox _____ (S6) Stripped Matrix _____ (F1) Loamy Mucky Mineral _____ (F2) Loamy Gleyed Matrix _____ (F3) Depleted Matrix _____ (F6) Redox Dark Surface _____ (F7) Depleted Dark Surface _____ (F8) Redox Depressions _____ (A16) Coast Prairie Redox _____ (F12) Iron-Manganese Masses _____ Other (Explain in Remarks)																																																		
Remarks: Hydric soils are not present.																																																			
WETLAND DETERMINATION																																																			
Hydrophytic Vegetation Present? _____ Yes _____ X No Wetland Hydrology Present? _____ Yes _____ X No					Hydric Soils Present? _____ Yes _____ X No Is This Sampling Point Within A Wetland? _____ Yes _____ X No																																														
Remarks: This plot is not located in a wetland.																																																			

THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK

Appendix F

Field Investigation Photographs

This appendix contains representative photographs of the wetland communities found within the study areas.



Photo 1. Looking southwest across the channel of Rock Creek in wetland W05NW-2a



Photo 2. Looking southeast across the Rock Creek channel from wetland W06NE-1



Photo 3: The banks of Black Walnut Creek in Will Section 2 (BWC-W02)



Photo 4. Soil core for Black Walnut Creek wetland BWC-W02 (W02NW-4).



Photo 5: Hillside seep dominated by Common Reed (W04SE-16).



Photo 6: Wetland soil core from seep community



Photo 7: Farmed wetland (W01NE-2)



Photo 8: Wetland soil core in Peotone hydric soil map unit



Photo 9: Sedge Meadow community



Photo 10: Wetland soil core in sedge meadow community



Photo 11: Wetland complex in Section 1.



Photo 12: Wetland complex with pond in Will Section 8.



Photo 13: Farmed wetland vegetation and Scrub-Shrub Wetland



Photo 14: Sandbar Willow thicket with understory of Reed Canary Grass



Photo 15: Forested Wetland in Section 5



Photo 16: Beecher Marsh

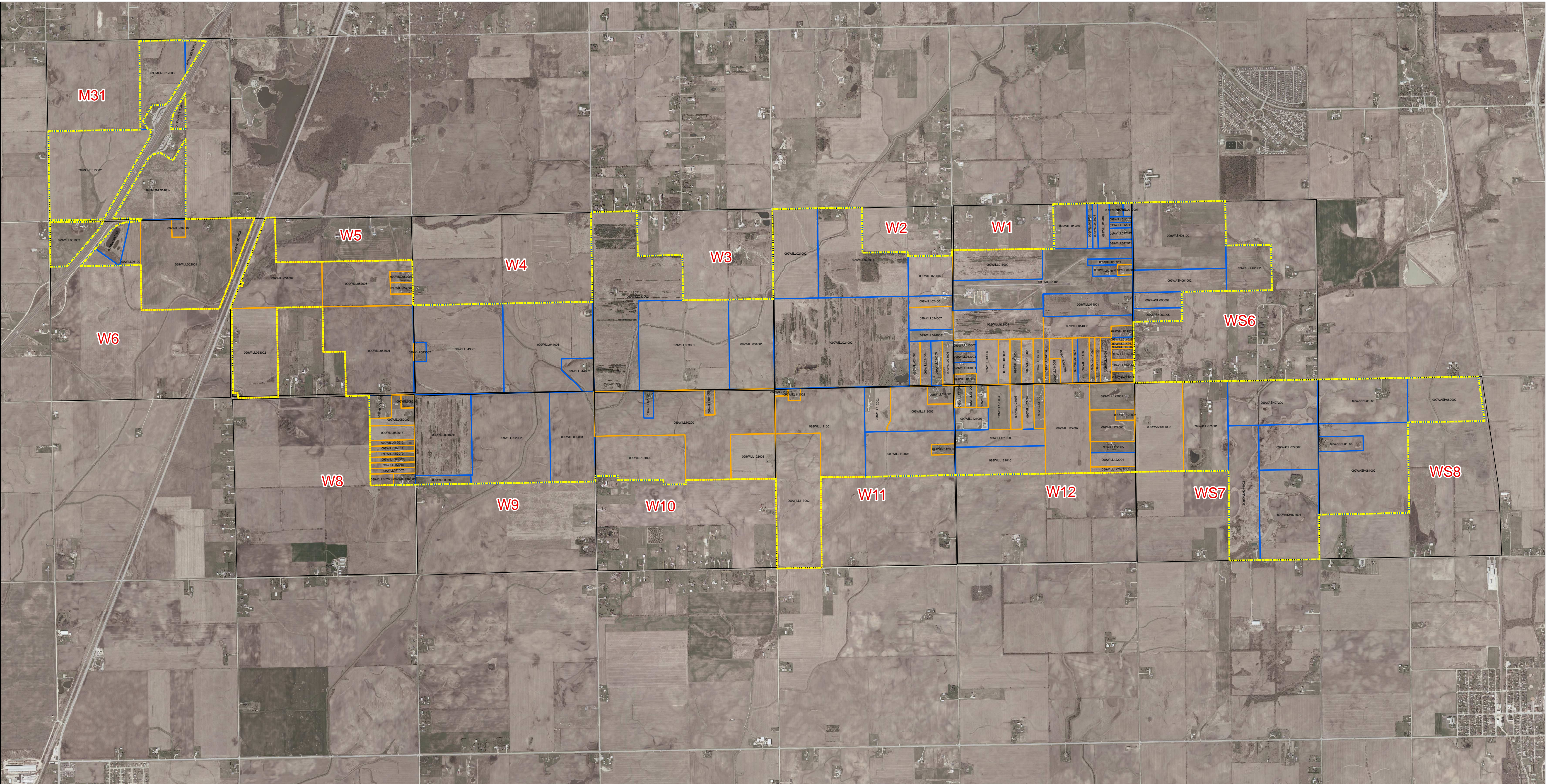


Photo 17: At south edge of Bult Field looking north.

Appendix G

Parcel Map

This appendix contains a map showing the locations of Illinois state-owned parcels and privately-owned parcels within the study area.



- Legend**
- Private Properties
 - Acquired by IDOT
 - 2008 Study Boundary
 - Sections

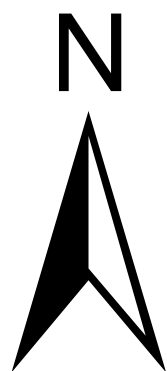
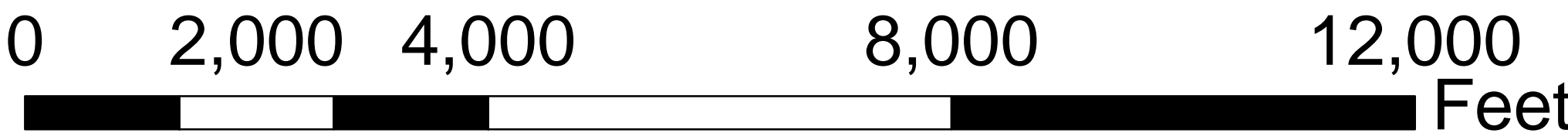


EXHIBIT G-1
PROPERTY PARCELS WITHIN
THE INAUGURAL BOUNDARY
South Suburban Airport



Appendix H

Comprehensive Species List

This appendix contains the Floristic Quality Inventory Report listing all plant species identified from all wetland areas delineated during the 2008/2009 wetland study.

Site: Inaugural South Suburban Airport
 Locale: Comprehensive Species List
 Date: May 4, 2009 200 hours
 By: AECOM; T.Radke; A. Amelse; S.Johnson
 File: c:\FQA\studies\SSA\Wetlands2008\Final\finalcomprehensive.inv

FLORISTIC QUALITY DATA	Native	203	72.2%	Adventive	78	27.8%
203 NATIVE SPECIES	Tree	23	8.2%	Tree	6	2.1%
281 Total Species	Shrub	13	4.6%	Shrub	10	3.6%
3.6 NATIVE MEAN C	W-Vine	4	1.4%	W-Vine	1	0.4%
2.6 W/Adventives	H-Vine	3	1.1%	H-Vine	0	0.0%
51.4 NATIVE FQI	P-Forb	90	32.0%	P-Forb	19	6.8%
43.7 W/Adventives	B-Forb	7	2.5%	B-Forb	9	3.2%
-1.1 NATIVE MEAN W	A-Forb	26	9.3%	A-Forb	15	5.3%
-0.1 W/Adventives	P-Grass	13	4.6%	P-Grass	11	3.9%
AVG: Faculative (+)	A-Grass	3	1.1%	A-Grass	7	2.5%
	P-Sedge	15	5.3%	P-Sedge	0	0.0%
	A-Sedge	4	1.4%	A-Sedge	0	0.0%
	Cryptogam	2	0.7%			

ACRONYM	C SCIENTIFIC NAME	W WETNESS	PHYSIOGNOMY	COMMON NAME
ABUTHE	0 ABUTILON THEOPHRASTI	4 FACU-	Ad A-Forb	VELVETLEAF
ACARHO	0 Acalypha rhomboidea	3 FACU	Nt A-Forb	THREE-SEEDED MERCURY
ACENEG	0 Acer negundo	-2 FACW-	Nt Tree	BOX ELDER
ACERUB	7 Acer rubrum	0 FAC	Nt Tree	RED MAPLE
ACESAI	0 Acer saccharinum	-3 FACW	Nt Tree	SILVER MAPLE
ACESAU	3 Acer saccharum	3 FACU	Nt Tree	SUGAR MAPLE
ACHMIL	0 ACHILLEA MILLEFOLIUM	3 FACU	Ad P-Forb	YARROW
AGRGRY	2 Agrimonia gryposepala	2 FACU+	Nt P-Forb	TALL AGRIMONY
AGRREP	0 AGROPYRON REPENS	3 FACU	Ad P-Grass	QUACK GRASS
AGRALA	0 AGROSTIS ALBA	-3 FACW	Ad P-Grass	REDTOP
AGRALP	10 Agrostis alba palustris	-5 [OBL]	Nt P-Grass	BENT GRASS
ALISUB	4 Alisma subcordatum	-5 OBL	Nt P-Forb	COMMON WATER PLANTAIN
ALLPET	0 ALLIARIA PETIOLATA	0 FAC	Ad B-Forb	GARLIC MUSTARD
ALLCER	7 Allium cernuum	1 [FAC-]	Nt P-Forb	NODDING WILD ONION
AMAHYB	0 Amaranthus hybridus	5 UPL	Nt A-Forb	GREEN AMARANTH
AMARET	0 AMARANTHUS RETROFLEXUS	2 FACU+	Ad A-Forb	ROUGH AMARANTH
AMBARE	0 Ambrosia artemisiifolia elatior	3 FACU	Nt A-Forb	COMMON RAGWEED
AMBTRI	0 Ambrosia trifida	-1 FAC+	Nt A-Forb	GIANT RAGWEED
ANDGER	5 Andropogon gerardii	1 FAC-	Nt P-Grass	BIG BLUESTEM GRASS
APIAME	7 Apios americana	-3 FACW	Nt P-Forb	GROUND NUT
APOCAN	4 Apocynum cannabinum	0 FAC	Nt P-Forb	INDIAN HEMP
APOSIB	2 Apocynum sibiricum	-1 FAC+	Nt P-Forb	PRAIRIE INDIAN HEMP
ARCMIN	0 ARCTIUM MINUS	5 UPL	Ad B-Forb	COMMON BURDOCK
ASACAN	7 Asarum canadense	5 UPL	Nt P-Forb	WILD GINGER
ASCINC	4 Asclepias incarnata	-5 OBL	Nt P-Forb	SWAMP MILKWEED
ASCSYR	0 Asclepias syriaca	5 UPL	Nt P-Forb	COMMON MILKWEED

ASPOFF	0 ASPARAGUS OFFICINALIS	3 FACU	Ad P-Forb	ASPARAGUS
ASTERI	5 Aster ericoides	4 FACU-	Nt P-Forb	HEATH ASTER
ASTLAT	4 Aster lateriflorus	-2 FACW-	Nt P-Forb	SIDE-FLOWERING ASTER
ASTNOV	4 Aster novae-angliae	-3 FACW	Nt P-Forb	NEW ENGLAND ASTER
ASTPIL	0 Aster pilosus	2 FACU+	Nt P-Forb	HAIRY ASTER
ASTPUF	7 Aster puniceus firmus	-5 OBL	Nt P-Forb	SHINING ASTER
ASTSAD	2 Aster sagittifolius drummondii	3 [FACU]	Nt P-Forb	DRUMMOND'S ASTER
ASTSIS	3 Aster simplex	-5 OBL	Nt P-Forb	PANICLED ASTER
ASTSII	3 Aster simplex interior	-5 [OBL]	Nt P-Forb	MARSH ASTER
ATRPAT	0 ATRIPLEX PATULA	-2 FACW-	Ad A-Forb	COMMON ORACH
AVESAT	0 AVENA SATIVA	5 UPL	Ad A-Grass	OATS
BARVER	0 BARBAREA VERNA	5 UPL	Ad B-Forb	EARLY WINTER CRESS
BARVUL	0 BARBAREA VULGARIS	0 FAC	Ad B-Forb	YELLOW ROCKET
BIDCER	5 Bidens cernua	-5 OBL	Nt A-Forb	NODDING BUR MARIGOLD
BIDCON	5 Bidens connata	-5 OBL	Nt A-Forb	PURPLE-STEMMED TICKSEED
BIDCOR	9 Bidens coronata	-5 OBL	Nt A-Forb	TALL SWAMP MARIGOLD
BIDFRO	1 Bidens frondosa	-3 FACW	Nt A-Forb	COMMON BEGGAR'S TICKS
BROINE	0 BROMUS INERMIS	5 UPL	Ad P-Grass	HUNGARIAN BROME
CALCAN	3 Calamagrostis canadensis	-5 OBL	Nt P-Grass	BLUE JOINT GRASS
CXCRIS	4 Carex cristatella	-4 FACW+	Nt P-Sedge	CRESTED OVAL SEDGE
CXLACU	6 Carex lacustris	-5 OBL	Nt P-Sedge	COMMON LAKE SEDGE
CXSCOP	7 Carex scoparia	-3 FACW	Nt P-Sedge	LANCE-FRUITED OVAL SEDGE
CXSTRI	5 Carex stricta	-5 OBL	Nt P-Sedge	COMMON TUSsock SEDGE
CXVULP	2 Carex vulpinoidea	-5 OBL	Nt P-Sedge	BROWN FOX SEDGE
CELOCC	3 Celtis occidentalis	1 FAC-	Nt Tree	HACKBERRY
CHEALB	0 CHENOPODIUM ALBUM	1 FAC-	Ad A-Forb	LAMB'S QUARTERS
CICMAC	6 Cicutu maculata	-5 OBL	Nt P-Forb	WATER HEMLOCK
CIRLUC	1 Circaea lutetiana canadensis	3 FACU	Nt P-Forb	ENCHANTER'S NIGHTSHADE
CIRARV	0 CIRSIUM ARVENSE	5 UPL	Ad P-Forb	FIELD THISTLE
CIRDIS	2 Cirsium discolor	5 UPL	Nt B-Forb	PASTURE THISTLE
CIRMUT	10 Cirsium muticum	-5 OBL	Nt B-Forb	SWAMP THISTLE
CIRVUL	0 CIRSIUM VULGARE	4 FACU-	Ad B-Forb	BULL THISTLE
CONARV	0 CONVULVULUS ARVENSIS	5 UPL	Ad P-Forb	FIELD BINDWEED
CONSEP	1 Convolvulus sepium	0 FAC	Nt P-Forb	HEDGE BINDWEED
COROBL	6 Cornus obliqua	-4 FACW+	Nt Shrub	BLUE-FRUITED DOGWOOD
CORRAC	1 Cornus racemosa	-2 FACW-	Nt Shrub	GRAY DOGWOOD
CORSTO	6 Cornus stolonifera	-3 FACW	Nt Shrub	RED-OSIER DOGWOOD

CRACRU	2	<i>Crataegus crus-galli</i>	0	FAC	Nt Tree	COCKSPUR HAWTHORN
CRAMOL	2	<i>Crataegus mollis</i>	4	FACU-	Nt Tree	DOWNY HAWTHORN
CUSGRO	4	<i>Cuscuta gronovii</i>	-5	[OBL]	Nt A-Forb	COMMON DODDER
CYPERY	2	<i>Cyperus erythrorhizos</i>	-5	OBL	Nt A-Sedge	RED-ROOTED NUT SEDGE
CYPESC	0	<i>Cyperus esculentus</i>	-1	[FAC+]	Nt P-Sedge	FIELD NUT SEDGE
CYPFER	2	<i>Cyperus ferruginescens</i>	-5	OBL	Nt A-Sedge	RUSTY NUT SEDGE
CYPRIV	4	<i>Cyperus rivularis</i>	-4	FACW+	Nt A-Sedge	BROOK NUT SEDGE
CYPSTR	1	<i>Cyperus strigosus</i>	-3	FACW	Nt P-Sedge	LONG-SCALED NUT SEDGE
DACGLO	0	<i>DACTYLIS GLOMERATA</i>	3	FACU	Ad P-Grass	ORCHARD GRASS
DAUCAR	0	<i>DAUCUS CAROTA</i>	5	UPL	Ad B-Forb	QUEEN ANNE'S LACE
DIGISC	0	<i>DIGITARIA ISCHAEMUM</i>	3	FACU	Ad A-Grass	SMOOTH CRAB GRASS
DULARU	9	<i>Dulichium arundinaceum</i>	-5	OBL	Nt P-Sedge	THREE-WAY SEDGE
ECHCRU	0	<i>Echinochloa crusgalli</i>	-3	FACW	Nt A-Grass	BARNYARD GRASS
ECHLOB	5	<i>Echinocystis lobata</i>	-2	FACW-	Nt H-Vine	WILD CUCUMBER
ELAUMB	0	<i>ELAEAGNUS UMBELLATA</i>	5	UPL	Ad Shrub	AUTUMN OLIVE
ELEACI	2	<i>Eleocharis acicularis</i>	-5	OBL	Nt P-Sedge	NEEDLE SPIKE RUSH
ELEERY	2	<i>Eleocharis erythropoda</i>	-5	OBL	Nt P-Sedge	RED-ROOTED SPIKE RUSH
ELEOBT	3	<i>Eleocharis obtusa</i>	-5	OBL	Nt A-Sedge	BLUNT SPIKE RUSH
ELYSAN	4	<i>Elymus canadensis</i>	1	FAC-	Nt P-Grass	CANADA WILD RYE
ELYVIR	4	<i>Elymus virginicus</i>	-2	FACW-	Nt P-Grass	VIRGINIA WILD RYE
EPICOL	3	<i>Epilobium coloratum</i>	-5	OBL	Nt P-Forb	CINNAMON WILLOW HERB
EQUARV	0	<i>Equisetum arvense</i>	0	FAC	Cryptogam	HORSETAIL
EQUHYE	3	<i>Equisetum hyemale</i>	-2	FACW-	Cryptogam	TALL SCOURING RUSH
EREHIE	2	<i>Erechtites hieracifolia</i>	3	FACU	Nt A-Forb	FIREWEED
ERICAN	0	<i>Erigeron canadensis</i>	1	FAC-	Nt A-Forb	HORSEWEED
ERIPHI	4	<i>Erigeron philadelphicus</i>	-3	FACW	Nt P-Forb	MARSH FLEABANE
ERISTR	5	<i>Erigeron strigosus</i>	5	[UPL]	Nt B-Forb	DAISY FLEABANE
ERYALB	5	<i>Erythronium albidum</i>	5	UPL	Nt P-Forb	WHITE TROUT LILY
EUPPER	4	<i>Eupatorium perfoliatum</i>	-4	FACW+	Nt P-Forb	COMMON BONESET
EUPRUG	4	<i>Eupatorium rugosum</i>	5	UPL	Nt P-Forb	WHITE SNAKEROOT
EUPSEM	0	<i>Eupatorium serotinum</i>	-1	FAC+	Nt P-Forb	LATE BONESET
EUPSUP	0	<i>Euphorbia supina</i>	4	FACU-	Nt A-Forb	SPOTTED CREEPING SPURGE
FESELA	0	<i>FESTUCA ELATIOR</i>	2	FACU+	Ad P-Grass	TALL FESCUE
FESPRA	0	<i>FESTUCA PRATENSIS</i>	4	FACU-	Ad P-Grass	MEADOW FESCUE
FRAVIR	1	<i>Fragaria virginiana</i>	1	FAC-	Nt P-Forb	WILD STRAWBERRY
FRAPES	1	<i>Fraxinus pennsylvanica subintegerrima</i>	0	FAC	Nt Tree	GREEN ASH
GALAPA	1	<i>Galium aparine</i>	3	FACU	Nt A-Forb	ANNUAL BEDSTRAW
GALOBT	5	<i>Galium obtusum</i>	-4	FACW+	Nt P-Forb	WILD MADDER

GAUBIB	2	<i>Gaura biennis</i>	4	FACU-	Nt B-Forb	BIENNIAL GAURA
GERMAC	4	<i>Geranium maculatum</i>	5	[UPL]	Nt P-Forb	WILD GERANIUM
GEUCAN	1	<i>Geum canadense</i>	0	FAC	Nt P-Forb	WOOD AVENS
GEULAT	2	<i>Geum laciniatum trichocarpum</i>	-3	FACW	Nt P-Forb	ROUGH AVENS
GLEHED	0	GLECHOMA HEDERACEA	3	FACU	Ad P-Forb	CREEPING CHARLIE
GLETRI	2	<i>Gleditsia triacanthos</i>	0	FAC	Nt Tree	HONEY LOCUST
GLYSTR	4	<i>Glyceria striata</i>	-3	[FACW]	Nt P-Grass	FOWL MANNA GRASS
GLYNMX	0	GLYCINE MAX	5	UPL	Ad A-Forb	SOY BEAN
GRAVIR	10	<i>Gratiola virginiana</i>	-5	OBL	Nt A-Forb	ROUND-FRUITED HEDGE
HYSSOP						
HACVIR	0	<i>Hackelia virginiana</i>	1	FAC-	Nt B-Forb	STICKSEED
HELAUT	5	<i>Helenium autumnale</i>	-4	FACW+	Nt P-Forb	SNEEZEWEED
HELGRO	2	<i>Helianthus grosseserratus</i>	-2	FACW-	Nt P-Forb	SAWTOOTH SUNFLOWER
HELHEL	5	<i>Heliopsis helianthoides</i>	5	UPL	Nt P-Forb	FALSE SUNFLOWER
HIBTRI	0	HIBISCUS TRIONUM	5	UPL	Ad A-Forb	FLOWER-OF-AN-HOUR
HIEAUR	0	HIERACIUM AURANTIACUM	5	UPL	Ad P-Forb	ORANGE HAWKWEED
HORJUB	0	HORDEUM JUBATUM	-1	FAC+	Ad P-Grass	SQUIRREL-TAIL GRASS
HYDVIR	5	<i>Hydrophyllum virginianum</i>	0	[FAC]	Nt P-Forb	VIRGINIA WATERLEAF
IMPCAP	3	<i>Impatiens capensis</i>	-3	FACW	Nt A-Forb	ORANGE JEWELWEED
IPOHED	0	IPOMOEA HEDERACEA	0	FAC	Ad A-Forb	IVY-LEAVED MORNING GLORY
IPOPUR	0	IPOMOEA PURPUREA	4	FACU-	Ad A-Forb	COMMON MORNING GLORY
IRIVIS	5	<i>Iris virginica shrevei</i>	-5	OBL	Nt P-Forb	BLUE FLAG
JUGNIG	5	<i>Juglans nigra</i>	3	FACU	Nt Tree	BLACK WALNUT
JUNDUD	4	<i>Juncus dudleyi</i>	0	[FAC]	Nt P-Forb	DUDLEY'S RUSH
JUNEFF	7	<i>Juncus effusus</i>	-5	OBL	Nt P-Forb	COMMON RUSH
JUNTEN	0	<i>Juncus tenuis</i>	2	[FACU+]	Nt P-Forb	PATH RUSH
JUNTOR	4	<i>Juncus torreyi</i>	-3	FACW	Nt P-Forb	TORREY'S RUSH
LACBIE	4	<i>Lactuca biennis</i>	0	FAC	Nt B-Forb	TALL BLUE LETTUCE
LACSER	0	LACTUCA SERRIOLA	0	FAC	Ad B-Forb	PRICKLY LETTUCE
LAPCAN	3	<i>Laportea canadensis</i>	-3	FACW	Nt P-Forb	WOOD NETTLE
LAPECH	0	LAPPULA ECHINATA	5	UPL	Ad A-Forb	BEGGAR'S LICE
LEEORY	4	<i>Leersia oryzoides</i>	-5	OBL	Nt P-Grass	RICE CUT GRASS
LEEVIR	7	<i>Leersia virginica</i>	-3	FACW	Nt P-Grass	WHITE GRASS
LEMMIO	5	<i>Lemna minor</i>	-5	OBL	Nt A-Forb	SMALL DUCKWEED
LIPLAN	6	<i>Lippia lanceolata</i>	-5	OBL	Nt P-Forb	FOG FRUIT
LOBSIP	6	<i>Lobelia siphilitica</i>	-4	FACW+	Nt P-Forb	GREAT BLUE LOBELIA
LONMAA	0	LONICERA MAACKII	5	UPL	Ad Shrub	AMUR HONEYSUCKLE
LONMOR	0	LONICERA MORROWII	5	UPL	Ad Shrub	MORROW'S HONEYSUCKLE

LONTAT	0 LONICERA TATARICA	5 [UPL]	Ad Shrub	TARTARIAN HONEYSUCKLE
LONBEL	0 LONICERA X BELLA	4 FACU-	Ad Shrub	SHOWY FLY HONEYSUCKLE
LYCAME	5 Lycopus americanus	-5 OBL	Nt P-Forb	COMMON WATER HOREHOUND
LYSNUM	0 LYSIMACHIA NUMMULARIA	-4 FACW+	Ad P-Forb	MONEYWORT
LYTSAL	0 LYTHRUM SALICARIA	-5 OBL	Ad P-Forb	PURPLE LOOSESTRIFE
MACPOM	0 MACLURA POMIFERA	3 FACU	Ad Tree	OSAGE ORANGE
MEDLUP	0 MEDICAGO LUPULINA	1 FAC-	Ad A-Forb	BLACK MEDICK
MEDSAT	0 MEDICAGO SATIVA	5 UPL	Ad P-Forb	ALFALFA
MELALB	0 MELILOTUS ALBA	3 FACU	Ad B-Forb	WHITE SWEET CLOVER
MENARV	5 Mentha arvensis villosa	-5 [OBL]	Nt P-Forb	WILD MINT
MIMRIN	6 Mimulus ringens	-5 OBL	Nt P-Forb	MONKEY FLOWER
MONFIS	4 Monarda fistulosa	3 FACU	Nt P-Forb	WILD BERGAMOT
MORALB	0 MORUS ALBA	0 FAC	Ad Tree	WHITE MULBERRY
MORRUB	10 Morus rubra	1 FAC-	Nt Tree	RED MULBERRY
OENBIE	0 Oenothera biennis	3 FACU	Nt B-Forb	COMMON EVENING PRIMROSE
OSMLON	3 Osmorhiza longistylis	4 FACU-	Nt P-Forb	SMOOTH SWEET CICELY
OXAEUR	0 Oxalis europaea	3 FACU	Nt P-Forb	TALL WOOD SORREL
PANCAP	1 Panicum capillare	0 FAC	Nt A-Grass	OLD WITCH GRASS
PANDII	0 Panicum dichotomiflorum	-2 FACW-	Nt A-Grass	KNEE GRASS
PANVIR	5 Panicum virgatum	-1 FAC+	Nt P-Grass	SWITCH GRASS
PARINT	8 Parthenium integrifolium	5 UPL	Nt P-Forb	WILD QUININE
PARQUI	2 Parthenocissus quinquefolia	1 FAC-	Nt W-Vine	VIRGINIA CREEPER
PASSAT	0 PASTINACA SATIVA	5 UPL	Ad B-Forb	WILD PARSNIP
PENSED	5 Penthorum sedoides	-5 OBL	Nt P-Forb	DITCH STONECROP
PHAARU	0 PHALARIS ARUNDINACEA	-4 FACW+	Ad P-Grass	REED CANARY GRASS
PHLPRA	0 PHLEUM PRATENSE	3 FACU	Ad P-Grass	TIMOTHY
PHRAUS	1 Phragmites australis	-4 FACW+	Nt P-Grass	COMMON REED
PHYHET	3 Physalis heterophylla	5 UPL	Nt P-Forb	CLAMMY GROUND CHERRY
PHYSUB	0 Physalis subglabrata	5 UPL	Nt P-Forb	TALL GROUND CHERRY
PHYVIG CHERRY	4 Physalis virginiana	5 UPL	Nt P-Forb	LANCE-LEAVED GROUND
PHYAME	1 Phytolacca americana	1 FAC-	Nt P-Forb	POKEWEED
PILPUM	5 Pilea pumila	-3 FACW	Nt A-Forb	CLEARWEED
PLALAN	0 PLANTAGO LANCEOLATA	0 FAC	Ad P-Forb	ENGLISH PLANTAIN
PLAMAJ	0 PLANTAGO MAJOR	-1 FAC+	Ad P-Forb	COMMON PLANTAIN
PLARUG	0 Plantago rugelii	0 FAC	Nt A-Forb	RED-STALKED PLANTAIN
PLAOCC	9 Platanus occidentalis	-3 FACW	Nt Tree	SYCAMORE
POACOM	0 POA COMPRESSA	2 FACU+	Ad P-Grass	CANADA BLUE GRASS
POAPAS	9 Poa palustris	-4 FACW+	Nt P-Grass	MARSH BLUE GRASS

POAPRA	0 POA PRATENSIS	1 FAC-	Ad P-Grass	KENTUCKY BLUE GRASS
POLSAN	6 Polygala sanguinea	3 FACU	Nt A-Forb	FIELD MILKWORT
POLAMS	4 Polygonum amphibium stipulaceum	-5 OBL	Nt P-Forb	WATER KNOTWEED
POLARE	0 POLYGONUM ARENASTRUM	5 UPL	Ad A-Forb	SIDEWALK KNOTWEED
POLAVI	0 POLYGONUM AVICULARE	1 FAC-	Ad A-Forb	COMMON KNOTWEED
POLCOC	4 Polygonum coccineum	-5 OBL	Nt P-Forb	WATER HEARTSEASE
POLCUS	0 POLYGONUM CUSPIDATUM	3 FACU	Ad Shrub	JAPANESE KNOTWEED
POLHYR	2 Polygonum hydropiper	-3 FACW	Nt A-Forb	WATER PEPPER
POLHYS	7 Polygonum hydropiperoides	-5 OBL	Nt P-Forb	MILD WATER PEPPER
POLLAP	0 Polygonum lapathifolium	-4 FACW+	Nt A-Forb	HEARTSEASE
POLPEN	0 Polygonum pensylvanicum	-4 FACW+	Nt A-Forb	PINKWEED
POLPER	0 POLYGONUM PERSICARIA	1 [FAC-]	Ad A-Forb	LADY'S THUMB
POLPUN	6 Polygonum punctatum	-5 OBL	Nt A-Forb	SMARTWEED
POLRAM	5 Polygonum ramosissimum	1 FAC-	Nt A-Forb	BUSHY KNOTWEED
POLSCN	1 Polygonum scandens	0 FAC	Nt H-Vine	CLIMBING FALSE BUCKWHEAT
POLGVI	2 Polygonum virginianum	0 FAC	Nt P-Forb	WOODLAND KNOTWEED
POPDEL	2 Populus deltoides	-1 FAC+	Nt Tree	EASTERN COTTONWOOD
POPTRE	4 Populus tremuloides	0 FAC	Nt Tree	QUAKING ASPEN
POTNOD	7 Potamogeton nodosus	-5 OBL	Nt P-Forb	LONG-LEAVED PONDWEED
POTSIS	4 Potentilla simplex	4 FACU-	Nt P-Forb	COMMON CINQUEFOIL
PREALB	5 Prenanthes alba	3 FACU	Nt P-Forb	LION'S FOOT
PRUVLA	0 Prunella vulgaris lanceolata	3 [FACU]	Nt P-Forb	SELF HEAL
PRUSER	1 Prunus serotina	3 FACU	Nt Tree	WILD BLACK CHERRY
PRUVIR	3 Prunus virginiana	3 [FACU]	Nt Shrub	CHOKE CHERRY
PYCVIR	5 Pycnanthemum virginianum	-4 FACW+	Nt P-Forb	COMMON MOUNTAIN MINT
QUEALB	5 Quercus alba	0 FAC	Nt Tree	WHITE OAK
QUEBIC	6 Quercus bicolor	-4 FACW+	Nt Tree	SWAMP WHITE OAK
QUEMAC	5 Quercus macrocarpa	1 FAC-	Nt Tree	BUR OAK
QUEPAU	8 Quercus palustris	-3 FACW	Nt Tree	PIN OAK
RANABO	0 Ranunculus abortivus	-2 FACW-	Nt A-Forb	SMALL-FLOWERED BUTTERCUP
RHACAT	0 RHAMNUS CATHARTICA	3 FACU	Ad Shrub	COMMON BUCKTHORN
RHAFRA	0 RHAMNUS FRANGULA	-1 FAC+	Ad Shrub	GLOSSY BUCKTHORN
RHUGLA	1 Rhus glabra	5 UPL	Nt Shrub	SMOOTH SUMAC
RHURAD	2 Rhus radicans	-1 FAC+	Nt W-Vine	POISON IVY
RIBAME	7 Ribes americanum	-3 FACW	Nt Shrub	WILD BLACK CURRANT
ROBPSE	0 ROBINIA PSEUDOACACIA	4 FACU-	Ad Tree	BLACK LOCUST
RORPAF	4 Rorippa palustris fernaldiana	-5 OBL	Nt A-Forb	MARSH CRESS

ROSMUL	0 ROSA MULTIFLORA	3 FACU	Ad Shrub	MULTIFLORA ROSE
RUBALL	3 Rubus allegheniensis	2 FACU+	Nt Shrub	COMMON BLACKBERRY
RUBIDS	3 Rubus idaeus strigosus	4 FACU-	Nt Shrub	RED RASPBERRY
RUBOCC	2 Rubus occidentalis	5 UPL	Nt Shrub	BLACK RASPBERRY
RUDHIR	1 Rudbeckia hirta	3 FACU	Nt P-Forb	BLACK-EYED SUSAN
RUDLAC	5 Rudbeckia laciniata	-4 FACW+	Nt P-Forb	WILD GOLDEN GLOW
RUMCRI	0 RUMEX CRISPUS	-1 FAC+	Ad P-Forb	CURLY DOCK
RUMVER	6 Rumex verticillatus	-5 OBL	Nt P-Forb	SWAMP DOCK
SAGLAT	4 Sagittaria latifolia	-5 OBL	Nt P-Forb	COMMON ARROWHEAD
SALALB	0 SALIX ALBA	-3 FACW	Ad Tree	WHITE WILLOW
SALAMY	5 Salix amygdaloides	-3 FACW	Nt Tree	PEACH-LEAVED WILLOW
SALDIS	2 Salix discolor	-3 FACW	Nt Shrub	PUSSY WILLOW
SALFRA	0 SALIX FRAGILIS	-1 FAC+	Ad Tree	CRACK WILLOW
SALINT	1 Salix interior	-5 OBL	Nt Shrub	SANDBAR WILLOW
SALNIG	4 Salix nigra	-5 OBL	Nt Tree	BLACK WILLOW
SAMCAN	1 Sambucus canadensis	-2 FACW-	Nt Shrub	ELDERBERRY
SANGRE SNAKEROOT	2 Sanicula gregaria	-1 FAC+	Nt P-Forb	CLUSTERED BLACK
SCIATR	4 Scirpus atrovirens	-5 OBL	Nt P-Sedge	DARK GREEN RUSH
SCICYP	6 Scirpus cyperinus	-5 OBL	Nt P-Sedge	WOOL GRASS
SCIFLU	4 Scirpus fluviatilis	-5 OBL	Nt P-Sedge	RIVER BULRUSH
SCIPEN	4 Scirpus pendulus	-5 OBL	Nt P-Sedge	RED BULRUSH
SCIVAC	5 Scirpus validus creber	-5 OBL	Nt P-Sedge	GREAT BULRUSH
SCRMAR	4 Scrophularia marilandica	4 FACU-	Nt P-Forb	LATE FIGWORT
SECCER	0 SECALE CEREALE	5 UPL	Ad A-Grass	RYE
SETFAB	0 SETARIA FABERI	2 FACU+	Ad A-Grass	GIANT FOXTAIL
SETGLA	0 SETARIA GLAUCA	0 FAC	Ad A-Grass	YELLOW FOXTAIL
SETITA	0 SETARIA ITALICA	3 FACU	Ad A-Grass	FOXTAIL MILLET
SICANG	5 Sicyos angulatus	-2 FACW-	Nt H-Vine	BUR CUCUMBER
SILLAC	5 Silphium laciniatum	5 UPL	Nt P-Forb	COMPASS PLANT
SILPER	5 Silphium perfoliatum	-2 FACW-	Nt P-Forb	CUP PLANT
SILTER	5 Silphium terebinthinaceum	3 FACU	Nt P-Forb	PRAIRIE DOCK
SIUSUA	7 Sium suave	-5 OBL	Nt P-Forb	TALL WATER PARSNIP
SOLCAR	0 SOLANUM CAROLINENSE	4 FACU-	Ad P-Forb	HORSE NETTLE
SOLDUL	0 SOLANUM DULCAMARA	0 FAC	Ad W-Vine	BITTERSWEET NIGHTSHADE
SOLALT	1 Solidago altissima	3 FACU	Nt P-Forb	TALL GOLDENROD
SOLCAN	1 Solidago canadensis	3 FACU	Nt P-Forb	CANADA GOLDENROD
SOLGIG	4 Solidago gigantea	-3 FACW	Nt P-Forb	LATE GOLDENROD
SOLGRG	4 Solidago graminifolia	-2 FACW-	Nt P-Forb	COMMON GRASS-LEAVED

GOLDENROD					
SOLJUN	5	<i>Solidago juncea</i>	5 UPL	Nt P-Forb	EARLY GOLDENROD
SOLNEM	4	<i>Solidago nemoralis</i>	5 UPL	Nt P-Forb	OLD-FIELD GOLDENROD
SONARV	0	<i>SONCHUS ARVENSIS</i>	1 FAC-	Ad P-Forb	FIELD SOW THISTLE
SONOLE	0	<i>SONCHUS OLERACEUS</i>	5 [UPL]	Ad A-Forb	STORE-FRONT SOW THISTLE
SONULI	0	<i>SONCHUS ULIGINOSUS</i>	1 FAC-	Ad P-Forb	COMMON SOW THISTLE
SORNUT	5	<i>Sorghastrum nutans</i>	2 FACU+	Nt P-Grass	INDIAN GRASS
SPAEUR	6	<i>Sparganium eurycarpum</i>	-5 OBL	Nt P-Forb	COMMON BUR REED
SPAPEC	4	<i>Spartina pectinata</i>	-4 FACW+	Nt P-Grass	PRAIRIE CORD GRASS
STATET	8	<i>Stachys tenuifolia</i>	-3 [FACW]	Nt P-Forb	SMOOTH HEDGE NETTLE
TAROFF	0	<i>TARAXACUM OFFICINALE</i>	3 FACU	Ad P-Forb	COMMON DANDELION
THADAD	5	<i>Thalictrum dasycarpum</i>	-2 FACW-	Nt P-Forb	PURPLE MEADOW RUE
TILAME	5	<i>Tilia americana</i>	3 FACU	Nt Tree	AMERICAN LINDEN
TRAOHI	2	<i>Tradescantia ohiensis</i>	2 FACU+	Nt P-Forb	COMMON SPIDERWORT
TRIHVB	0	<i>TRIFOLIUM HYBRIDUM</i>	1 FAC-	Ad P-Forb	ALSIKE CLOVER
TRIPRA	0	<i>TRIFOLIUM PRATENSE</i>	5 UPL	Ad P-Forb	RED CLOVER
TRIREF	0	<i>TRIFOLIUM REPENS</i>	2 FACU+	Ad P-Forb	WHITE CLOVER
TYPANG	1	<i>Typha angustifolia</i>	-5 OBL	Nt P-Forb	NARROW-LEAVED CATTAIL
TYPLAT	1	<i>Typha latifolia</i>	-5 OBL	Nt P-Forb	BROAD-LEAVED CATTAIL
TYPGLA	1	<i>Typha X glauca</i>	-5 OBL	Nt P-Forb	HYBRID CATTAIL
ULMAME	3	<i>Ulmus americana</i>	-2 FACW-	Nt Tree	AMERICAN ELM
ULMPUM	0	<i>ULMUS PUMILA</i>	5 UPL	Ad Tree	SIBERIAN ELM
VERHAS	4	<i>Verbena hastata</i>	-4 FACW+	Nt P-Forb	BLUE VERVAIN
VERURU	5	<i>Verbena urticifolia</i>	5 UPL	Nt P-Forb	HAIRY WHITE VERVAIN
VIBDEN	0	<i>VIBURNUM DENTATUM</i>	5 UPL	Ad Shrub	ARROW-WOOD
VIBLEN	5	<i>Viburnum lentago</i>	-1 FAC+	Nt Shrub	NANNYBERRY
VIOSOR	3	<i>Viola sororia</i>	1 FAC-	Nt P-Forb	COMMON BLUE VIOLET
VITAES	7	<i>Vitis aestivalis</i>	3 FACU	Nt W-Vine	SUMMER GRAPE
VITRIP	2	<i>Vitis riparia</i>	-2 FACW-	Nt W-Vine	RIVERBANK GRAPE
XANSTR	0	<i>XANTHIUM STRUMARIUM</i>	0 FAC	Ad A-Forb	COCKLEBUR
ZEAMAY	0	<i>ZEA MAYS</i>	5 UPL	Ad A-Grass	CORN