

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/19/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-121
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: DEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

clearing and grubbing over a portion of wetland; standing water in shall basin

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Shallow basin at base of fallslope</i>
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes <i>- Receive run off from F194 fallslope to south</i> <i>- no outlet to Crystal Creek</i> <i>- Hydrogen Sulfide swell</i> <i>- Geomorphic position</i> <i>- small forested area dominated by buckthorn at north end.</i> <i>- standing water within</i> <i>- Abuts fence line</i>
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Phragmites australis</i>	X		FACW	
2. <i>Spartina angustata</i>	X		FACW	
3. <i>Eupatorium serotinum</i>			FACW	
4. <i>Rhynchospora alba</i>			FAC	
5. <i>Dipsacis laciniata</i>			FACU	
6. <i>Carex stipitata</i>			OBL	
7. <i>Apocynum cannabinum</i>			FAC	
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				<i>Pics 12:30</i>
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>Crystal Creek - West Area</i>				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/19/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-122
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

Shallow depression

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>At intersection Seymour Rd & Irving Park</i>
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes <i>- large depressional area</i> <i>- Detention area?</i> <i>- No outlet culverts</i> <i>Observed solid</i> <i>- large area of Phrag</i> <i>area</i> <i>- large area of solid spikes</i> <i>- saturation at surface at east end w/in Eleocharis & Phrag</i> <i>- Boundary by top slope of Seymour Rd, across road to Silver Ave Res.</i>
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Eleocharis obtusa</i>	X		OBL	
2. <i>Phragmites australis</i>	X		FACW	
3. <i>Phalaris arundinacea</i>	X		FACW	
4. <i>Cyperus esculentus</i>			FACW	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				<i>Pics 3:50</i>
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>Depression</i>				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/20/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-123
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM/PFO

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☒ significantly disturbed? Culvert crossing a gravel access road

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1. <u>Pop. deltoides</u>	<u>X</u>		<u>FAC</u>	<u>Between Stockpile and Mannheim Rd north of SE62</u>
2.				<u>- Roadside Ditch</u>
3.				
4.				
5.				
= Total Cover				
Sapling/Shrub Stratum				Other Notes
1. <u>Rhamnus cathartica</u>			<u>FAC</u>	<u>- 12" culvert under heavy rocks connects to SE62</u>
2.				<u>- Wetland extends north</u>
3.				<u>- open standing water</u>
4.				
5.				
= Total Cover				
Herb Stratum				
1. <u>Cyperus tenuifolius</u>	<u>X</u>		<u>OBL</u>	
2. <u>Echinochloa crus-galli</u>			<u>FACW</u>	
3. <u>Juncus torreyi</u>			<u>FACW</u>	
4. <u>Rumex crispus</u>			<u>FAC</u>	
5. <u>Phragmites australis</u>	<u>X</u>		<u>FACW</u>	<u>- gets run off from stockpile and roadside drainage (silt fence along east side)</u>
6. <u>Aster subulatus</u>			<u>OBL</u>	
7. <u>Solidago serotina</u>			<u>FACW</u>	
8. <u>Alnus subcordata</u>			<u>OBL</u>	
9. <u>Juncus acutiflorus</u>			<u>FACW</u>	
10. <u>Eleocharis palustris</u>			<u>OBL</u>	
11. <u>Apocynum canadense</u>			<u>FAC</u>	
12.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				<u>Pics 10:40</u>
Remarks: (Include photo numbers here or on a separate sheet.)				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/20/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-124
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range:
 NWI classification: PFO

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1. <i>Pop. deltoides</i>	X		FAC	Shallow depression w/ standing water at base of stockpile at Crystal Creek
2. <i>Ulmus americana</i>	X		FACW	
3. <i>Rhamnus cathartica</i>			FAC	
4.				
5.				
= Total Cover				
Sapling/Shrub Stratum				Other Notes
1. <i>Rhamnus cathartica</i>			FAC	- Most bare soil at southern end - standing water - closed depression - at fence line w/ I294 - Shrimping soil from stockpile - and I294 construction
2.				
3.				
4.				
5.				
= Total Cover				
Herb Stratum				Area on east - traps water between - no outlet - Extends along base of stockpile
1. <i>Phragmites australis</i>	X		FACW	
2. <i>Phalaris arundinacea</i>	X		FACW	
3. <i>Syl. sempervirens</i>			FACW	
4. <i>Ambrosia artemisiifolia</i>			FACW	
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
= Total Cover				
Wood Vine Stratum				Pics 3:20
1.				
2.				
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				
depression forested wetland				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/14/2019
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-125
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Shallow depression near toll plaza and service road along Manheim.
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - large dead tree at edge - Depleted Dark Surface F7 - Geomorphic position - FAC Neutral
Sapling/Shrub Stratum				
1. <i>Rhamnus cathartica</i>			FAC	
2.				
3.				
= Total Cover				- Adjacent to old wetland SE01
Herb Stratum				
1. <i>Phragmites australis</i>	X		FACW	
2. <i>Reedgrass</i>	X		FACW	
3. <i>Sol. sempervirens</i>			FACW	
4.				
5.				
6.				
7.				
8.				
9.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)
 Depression

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/23/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-126
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

mower ruts; area is mown regu

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- West of Mannheim Rd
2.				- in I-90 East Ramp
3.				- Roadside ditch
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes
1.				- Heavy rain storm
2.				- Day and night before
3.				- Standing water
4.				- Geomorphia pond
5.				- FAc Neutral
			= Total Cover	- Road drain inputs
Herb Stratum				
1. <i>Echinocloa crus-galli</i>			FAcW	- Depleted matrix
2. <i>Bearded sparrowgrass</i>	X		FAcW	- Depleted Dark Surface
3. <i>Spl. sanguinalis</i>			FAcW	- Depleted below dark surface
4. <i>Hordeum jubatum</i>			FAc	
5. <i>Syntherisma subulatum</i>			DBL	
6. <i>Polypogon monspeliensis</i>			DBL	
7. <i>Phragmites australis</i>			FAcW	
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
depression				

Pics ~ 10:30

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/23/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SEM-127
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

new mown; underground utilities, construction

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Shallow depression at end of parking lot; under ATS line</i>
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes <i>- Standing water</i> <i>- geomorphic potential</i> <i>- FAC - Neutral</i> <i>- Degraded Matrix</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Elaeagnus obtusa</i>	X		OBL	
2. <i>Typha angustifolia</i>			OBL	
3. <i>Brasenia schreberi</i>			FAW	
4. <i>Hordeum jubatum</i>			FAC	
5. <i>Sagittaria arifolia</i>			FAW	
6. <i>Echinochloa crus-galli</i>			FAW	
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				<i>Pics</i>
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>Heavy rain storm night before</i>				
<i>Depression</i>				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/23/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-128
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range:

NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

main; roadside ditch

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>- Swale at entrance ramp to I90E</i> <i>- Northbound near RR bridge</i>
2.				
3.				
4.				
5.				
= Total Cover				Other Notes <i>- depression</i> <i>- granular position</i> <i>- FAC Neutral</i> <i>- standing water</i> <i>- 2cm Muck</i> <i>- Depleted matrix</i> <i>- Redox dark surface</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				<i>Pics 5:05</i>
Herb Stratum				
1. <i>Phytolacca angustifolia</i>			FACW	
2. <i>Phytolacca angustifolia</i>			OBL	
3. <i>Helianthus obtusum</i>			OBL	
4. <i>Rhynchospora</i>			FAC	
5. <i>Sagittaria arifolia</i>			FACW	
6.				
7.				
8.				
9.				
10.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>Heavy rain storm night before</i> <i>Depression</i>				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/23/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-129
 Investigator(s): Brauna Hartzell, Kim Shannon, Mead & Hunt, Inc Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

parts of area mown; rutting

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				swale along off ramp - light pool in middle
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - Redox dark surface - standing water - Geomorphic pos. - FAC-Neutral
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- Drop Inlet further to east; does not join
Herb Stratum				
1. <i>Typha angustifolia</i>	X		OBL	
2. <i>Echinochloa crus-galli</i>			FACW	
3. <i>Verbena hastata</i>	X		FACW	
4. <i>Dipsacus lauratus</i>			FACW	
5. <i>Phalaris arundinacea</i>			FACW	
6. <i>Rumex crispus</i>			FAC	
7.				
8.				
9.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

*Heavy Rainstorm night before
Depression*

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/23/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-130
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

Re Arty; part of area mown

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>- Boodside ditch along off Mannheim North off ramp to I190</i>
2.				
3.				
4.				
5.				
= Total Cover				Other Notes <i>- depression - drop inlet in middle - very eroded - Road chain flows into at south end - Redox dark surface</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				<i>- standing water - Geomorphia pond - Fte Nardal</i>
Herb Stratum				
1. <i>Carex vulpinoidea</i>			FACW	
2. <i>Hydrocotyle canaliculata</i>			FAC	
3. <i>Hordeum jubatum</i>			FAC	
4. <i>Echinochloa crus-galli</i>			FACW	
5. <i>Solidago sempervirens</i>			FACW	
6. <i>Typha angustifolia</i>			OBL	
7. <i>Eleocharis obtusa</i>			OBL	
8. <i>Galbapachne pumila</i>			OBL	
9. <i>Syntherisma subulatum</i>			OBL	
10.				
= Total Cover				<i>Pics 5:40</i>
Wood Vine Stratum				
1.				
2.				
= Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)
Heavy rain storm night before Depression

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/24/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-131
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- long ditch along Benet Coleman Dr, south of Employee Parking Lot
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - no inlet culvert at north end (apparent) - Shallow swale - Geomorph pos. - pH Neutral - No outlet culvert abs.
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- Surface runoff only - Road drains on either end
Herb Stratum				
1. <i>Typha angustifolia</i>	X		OB	
2. <i>Phragmites australis</i>	X		FACW	
3. <i>Eupatorium serotinum</i>			FACW	
4. <i>Symphoricarpos subulatum</i>			OB	
5. <i>Phalaris arundinacea</i>			FACW	
6. <i>Cirsium arvense</i>			FACW	
7. <i>Eupatorium altissimum</i>			FACW	
8. <i>Apocynum cannabinum</i>			FAC	
9.				
10.				
= Total Cover				Pics 8:00
Wood Vine Stratum				
1.				
2.				
= Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

Depression

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/24/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-132
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*Area is mown, mower ruts
SW abconstruction/landscaping*

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>- Landscaped area near terminal 5</i>
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes <i>- Swale that drains to south end flatlands out to crest</i> <i>- Culvert at SE end</i> <i>- Standing water and saturation</i> <i>- Redox dark surface</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Typha angustifolia</i>			OBL	
2. <i>Eleocharis obtusa</i>	X		OBL	
3. <i>Echinochloa crus-galli</i>	X		FACW	
4. <i>Pennisetum maculatum</i>			FACW	
5. <i>Cyperus esculentus</i>			FACW	
6. <i>Cyperus ()</i>	X			
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				<i>Pics 8:35</i>
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>Depression</i>				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/24/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SEM-133
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: DEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? area is mown; road construction

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- Roadside ditch wetland - near Terminal 5 along Airport Exit Rd and Bessie Coleman
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - Depression - Geomorphic potholes - FAC Neutral
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				Pics 10:01
Herb Stratum				
1. <u>Phalaris arundinacea</u>	<u>X</u>		<u>FACW</u>	
2. <u>Echinocloa crus-galli</u>	<u>X</u>		<u>FACW</u>	
3. <u>Cyperus esculentus</u>			<u>FACW</u>	
4. <u>Eleocharis obtusa</u>			<u>OBL</u>	
5.				
6.				
7.				
8.				
9.				
10.				
= Total Cover				
Wood Vine Stratum				Pics 10:01
1.				
2.				
= Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)
Depression

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/24/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE 19-134
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

Area mown; swale construction regularly

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>- Shallow depression</i> <i>- near Terminal 5, North</i> <i>Bessie Coleman &</i> <i>Airport exit road</i>
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes <i>- Depleted Mator</i> <i>- Geomorphology</i> <i>- FHC Neutral</i> <i>- Standing water</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>RG</i>	<i>X</i>		<i>FACU</i>	
2. <i>Cyperus esculentus</i>			<i>FACU</i>	
3. <i>Echinochloa crus-galli</i>			<i>FACU</i>	
4. <i>Eleocharis obtusa</i>	<i>X</i>			
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				<i>Pics 11:00</i>
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
<i>Depression</i>				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/24/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-135
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? *Area mown regularly; restrictive layer at about 8"*
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- Shallow depressional basin at base of A/Slope + intersection of Bessie Cobb + Airport East road
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes - Receives runoff from pavement area to East via some rip rap-lined drain - Restrictive layer at about 8" - 3 plugs encountered - some redox development but couldn't dig further - Sparsely vegetated - Geomorphically positive - FAC - Neutral
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1. <i>Phalaris arundinacea</i>	X		FACW	
2. <i>Echinochloa obtusa</i>			OBL	
3. <i>Cyperus esculentus</i>			FACW	
4. <i>Diplazium esculentum</i>	X		FACW	
5. <i>Peltandra crassifolia</i>	X		FACW	
6. <i>Persicaria maculosa</i>			FACW	
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
Near Halipad (West of) Depression				

Pics 11-15

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/24/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-136
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

*Area mown regularly;
Road construction*

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				<i>Shallow depression around a drop inlet within cloverleaf of I790 west</i>
2.				
3.				
4.				
5.				
= Total Cover				Other Notes <i>- saturated at surface</i> <i>- Georgetown for</i> <i>- FAC Neutral</i> <i>- Depleted matrix</i>
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
= Total Cover				
Herb Stratum				
1. <i>Persicaria maculatum</i>	<i>X</i>		<i>FACW</i>	
2. <i>Eleocharis obtusa</i>	<i>X</i>		<i>ABL</i>	
3. <i>Echinochloa crus-galli</i>			<i>FACW</i>	
4. <i>Diplocladus fusca</i>			<i>FACW</i>	
5. <i>Solidago canadensis</i>			<i>FACW</i>	
6. <i>Trifolium pratense</i>			<i>FACW</i>	
7.				
8.				
9.				
10.				
11.				
12.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

Pics 2:10

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/24/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-137
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☒ significantly disturbed?

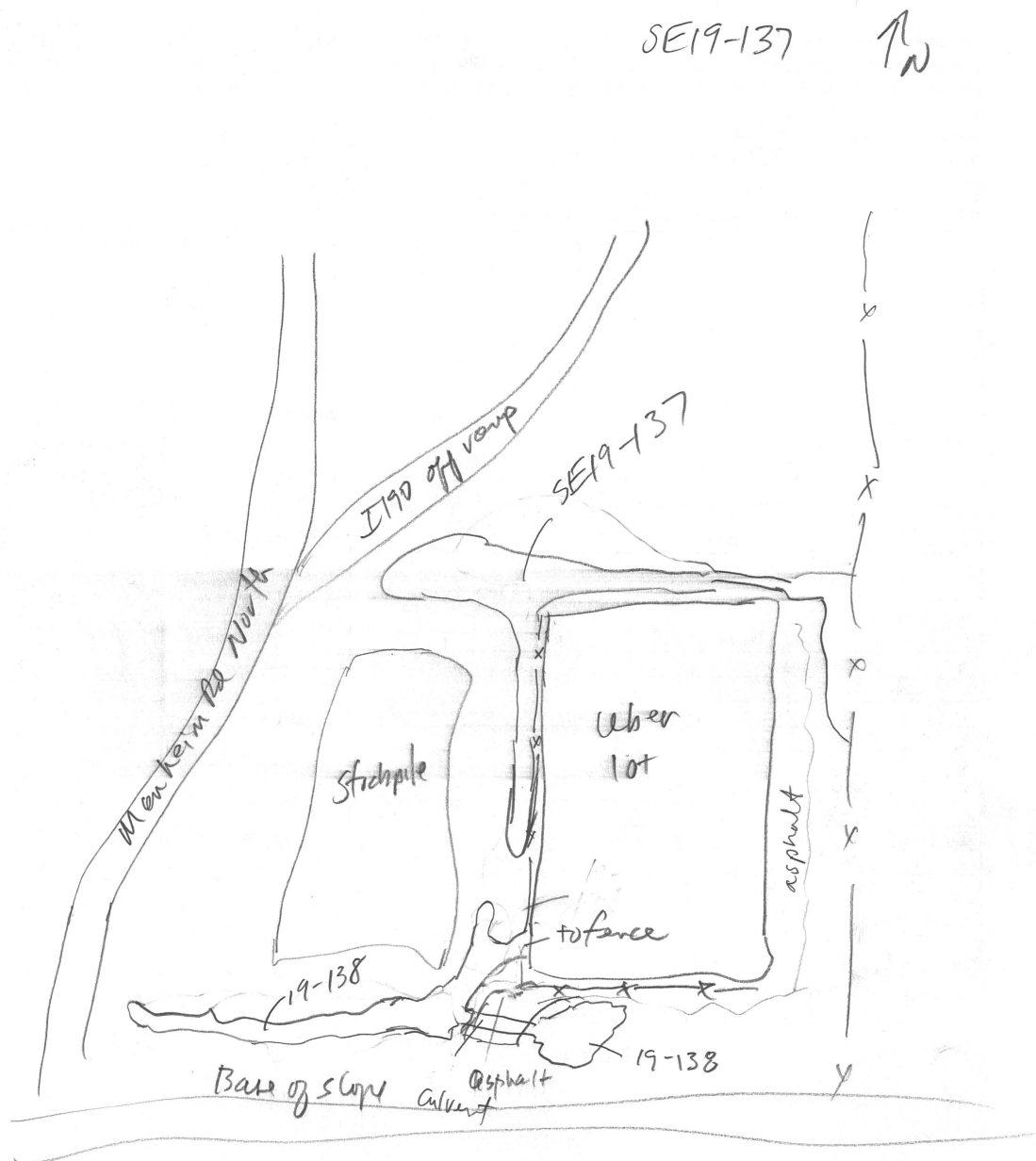
Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

Construction at parking lot;
rutting

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- Depressure against fence on east side of Urban Parking Lot
2.				
3.				
4.				
5.				
= Total Cover				
Sapling/Shrub Stratum				Other Notes - Asphalt slope from parking lot - run off - Depleted matrix - Geomorphia posidonia - some standing water in ruts - extends around north side of lot to west and into a flat area north of stock pile
1.				
2.				
3.				
4.				
= Total Cover				
Herb Stratum				in ruts - extends around north side of lot to west and into a flat area north of stock pile Pcs 2:45 + 3:00
1. <i>Phragmites australis</i>	X		FAEW	
2. <i>Spartina angustata</i>	X		FAEW	
3. <i>Symphoricarpos subulatum</i>	X		OBAL	
4. <i>Eupatorium serotinum</i>			FAEW	
5. <i>Dipsacus lacustris</i>				
6.				
7. <i>Symphoricarpos subulatum</i>	X			
8. <i>Eleocharis palustris</i>	X			
9. <i>Echinochloa crus-galli</i>				
10. <i>Beard's Sparrow</i>				
11. <i>Hordeum jubatum</i>				
12. <i>Bolboschoenus fluviatilis</i>				
= Total Cover				
Wood Vine Stratum				
1. <i>Zoehraea palustris</i>				
2. <i>Persicaria maculata</i>				
= Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)
 Depressure



WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/24/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-138
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM *See map on 137 sheet*
 Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed?
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				At base of Stockpile and asphalt pavement from parking lot.
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - Continues along base of slope for Bolman Rd to Mannheim Rd - standing water at base - Depleted water trip
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- 12 inch culvert along pavement area connecting two sections - 36" culvert at toe slope along fill slope Phragmites - dominated Dec 4:20
Herb Stratum				
1. <i>Phragmites australis</i>	X		FACW	
2. <i>Typha angustifolia</i>			OBL	
3. <i>Echinochloa crus-galli</i>			FACW	
4. <i>Spartina patens</i>			FACW	
5. <i>Hordeum jubatum</i>			FAC	
6. <i>Syntherisma sanguinalis</i>			OBL	
7. <i>Cyperus filiformis</i>			OBL	
8. <i>Panicum polare</i>			OBL	
9.				
10.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.) Depression				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/24/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE/9-139
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range:
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

road const.
 area mown; Soils disturbed by
 rutting, erosion, gravel deposits

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- Along manheim Rd and I 90 East Ramp near Belmont Bridge - Roadside
2.				
3.				
4.				
5.				
			= Total Cover	
Sapling/Shrub Stratum				Other Notes
1.				- area collects water from south
2.				- not a defined ditch line
3.				- several areas with
4.				standing water
5.				
			= Total Cover	
Herb Stratum				
1. <i>Symphoricarpos subulatum</i>	X		OBL	- on shallow pool at north end - Soil disturbed - Gravel in areas at north
2. <i>Phragmites australis</i>	X		FACW	
3. <i>Sole, sanguinalis</i>			FACW	
4. <i>Hordeum jubatum</i>			FACW	
5. <i>Persicaria maculata</i>			FACW	
6. <i>Cyperus esculentus</i>			FACW	
7. <i>Fall. Wintergrass</i>			UPL	
8. <i>Eleocharis obtusa</i>	X		OBL	
9. <i>Bolm schreineri flavicollis</i>			OBL	
10. <i>Typha angustifolia</i>			OBL	
11. <i>Scheuchzeria palustris</i>			OBL	
12. <i>Carex sp. (Vulpinaria?)</i>			FACW	
			= Total Cover	
Wood Vine Stratum				
1.				Pics 4:45
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
Deposition				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/24/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: NE19-140
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range:
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☒ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

road construction; mowing,
covered drop inlet

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				Roadside ditch along Marine Rd north on ramp from I190 W
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - Degraded wetlands - Flooded surface (A12) - Saturation at surface - Geomorphic pos - FAC - Neutral
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				Pics 5:30
Herb Stratum				
1. <i>Typha angustifolia</i>			OBL	
2. <i>Lithrum latifolium</i>			OBL	
3. <i>Phragmites australis</i>			FACW	
4. <i>Cyperus esculentus</i>			FACW	
5. <i>Verbera hastata</i>			FACW	
6. <i>Solidago sempervirens</i>			FACW	
7. <i>Paspalum conjugatum</i>			FACU	
8. <i>Eleocharis obtusa</i>			OBL	
9.				
10.				
= Total Cover				
Wood Vine Stratum				
1.				
2.				
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.) Depression				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/25/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-141
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEN1

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed?

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- Along base of field slope for railroad, south of Taft Ave
2.				
3.				
4.				
5.				
= Total Cover				Other Notes - Phrag dominated - Standing water - Geophila pontica
Sapling/Shrub Stratum				
1.				
2.				
3.				
= Total Cover				- connects to culvert under Perry Park Rd to the Roadside ditch - Heavy grass before 10/3 - water flowing to north - 2-36" culverts under road; one large to 8"
Herb Stratum				
1. <i>Phragmites australis</i>			FAW	
2. <i>Lythrum salicaria</i>			OBL	
3. <i>Typha angustifolia</i>			OBL	
4. <i>Triantha foeniculifolia</i>				
5. <i>Sagittaria arifolia</i>			OBL	
6. <i>Bidens sp</i>				
7.				
8.				
9.				
10.				
= Total Cover				Pics 11:50 culvert on west side
Wood Vine Stratum				
1.				
2.				
= Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

Revisited 10/3 to add to delineation.
Depression

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/25/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SW19-142
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: _____
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☒, or Hydrology ☐ significantly disturbed? Gravel road construction

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- Data between gravel access road and rail embankment on west
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes - cattails and persicaria dominated - standing water - beaver potholes - Algal mats
Sapling/Shrub Stratum				
1.				
2.				
3.				
4.				
5.				
			= Total Cover	
Herb Stratum				
1.	<u>X</u>	<u>Typha angustifolia</u>	<u>OBL</u>	
2.	<u>X</u>	<u>Persicaria arifolia</u>	<u>FAEW</u>	
3.		<u>Echinocloa crus-galli</u>	<u>FAW</u>	
4.		<u>Bearded Sparganium</u>	<u>FAW</u>	
5.		<u>Sagittaria arifolia</u>	<u>OBL</u>	
6.		<u>Lythrum salicaria</u>	<u>OBL</u>	
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	
Wood Vine Stratum				Pics 2:30
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				
Depression				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Entered in OPS
at NE!

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/25/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-143
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range:
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☒, or Hydrology ☐ significantly disturbed? Swale construction
 Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- East side of N. Mannheim Entrance Ramp from Bel moral Ave - East side of gravel lot
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes - standing water - depression area - No culverts - Phrag dominated.
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	
Herb Stratum				
1.			FACW	
2.			OBL	
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	Ry 4:50pm
Wood Vine Stratum				
1.				
2.				
			= Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)				

WETLAND DETERMINATION SUPPLEMENTAL FORM

Project/Site: Chicago O'Hare International Airport (ORD) City/County: DuPage/Cook Sampling Date: 9/26/19
 Applicant/Owner: City of Chicago State: Illinois Wetland #: SE19-144
 Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range:
 NWI classification: PEM

Are climatic hydrologic conditions on the site typical for this time of year? Yes ☐ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒, Soil ☒, or Hydrology ☐ significantly disturbed? area is mown

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic?

ADDITIONAL VEGETATION - Use scientific names of plants

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	General location within wetland
1.				- Malsr for ZBR? near TNPLot
2.				
3.				
4.				
5.				
			= Total Cover	Other Notes - shallow depression - No culverts inlets - Drains to I294 ROW beyond fence - Geomorphoi pondus - FWC Neutral
Sapling/Shrub Stratum				
1.				
2.				
3.				
			= Total Cover	- Receives runoff from gravel areas surrounding - Was Malsr Pitch in GPS
Herb Stratum				
1. <i>Phragmites australis</i>			FACW	
2. <i>Typha angustifolia</i>			OBL	
3. <i>Cyperus setosus</i>			OBL	
4. <i>Erechtia obtusa</i>			OBL	
5. <i>Eleocharis palustris</i>			OBL	
6.				
7.				
8.				
9.				
10.				
11.				
12.				
			= Total Cover	Pics 2 10-10:15 am
Wood Vine Stratum				
1.				
2.				
			= Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

Depression