

Appendix J
**Wetlands Summary and Potential
Wetland/Surface Water Impact Exhibits**

APPENDIX J

Wetlands Summary and Potential Wetland/Surface Water Impact Exhibits

TABLE J-1
Summary of the Wetlands in the Project Vicinity and their Characteristics

Wetland Site Number	Wetland Type (Plant Community/Cover Type)	NWI Code ^a	Dominant Plant Species ^b	Mean C-Value	FQI	Percent Adventive	Soil Type/NRCS Hydric Soil Indicator(s) ^c	Hydrologic Indicators (Primary/Secondary)	Wetland Size (ac) ^d	Wetland Functions
3	marsh	none	narrow-leaved cattail	2.2	7.0	50.0	undetermined/ A11, F2	high water table/ drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 0.36 (t)	surface water storage
6	marsh	PEMC	narrow-leaved cattail	2.3	11.6	34.1	Ashkum silty clay loam/A12	drift deposits, high water table/ drainage patterns, geomorphic position, FAC-Neutral Test	0.00 (c) 2.97 (t)	surface water storage, fair quality wildlife habitat
7	marsh	POWGx	spike rush, Dudley's rush, purple loosestrife	2.8	11.8	32.1	undetermined/ F6	sparsely vegetated concave surface/ surface soil cracks, geomorphic position, FAC-Neutral Test	NA (c) 0.13 (t)	surface water storage, fair quality wildlife habitat
8	pond	POWGx	comb pondweed, narrow-leaved cattail	2.4	7.8	27.8	undetermined/ A11, F2	surface water, inundation visible on aerial imagery, true aquatic plants/ geomorphic position, FAC-Neutral Test	NA (c) 1.16 (t)	surface water storage, fair quality wildlife habitat

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9	marsh	none	red top, alkali bulrush, spike rush, seaside goldenrod	2.5 8.4		40.0	undetermined/A11, F3	sediment deposits, sparsely vegetated concave surface/ surface soil cracks, geomorphic position, FAC-Neutral Test	NA (c) 0.21 (t)	surface water storage
12	forested depression	none	box elder, common buckthorn, ground ivy, poison ivy, riverbank grape	2.1	6.3	47.1	Peotone silty clay loam/A12	no primary indicators/ crayfish burrows, geomorphic position, FAC-Neutral Test	NA (c) 0.54 (*)	surface water storage, wildlife habitat
14	floodplain forest	none	box elder, common buckthorn, garlic mustard, jewelweed, purple loosestrife, reed canary grass	1.8	8.5	36.1	Peotone silty clay loam/A12	sediment deposits/ drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 0.37 (*)	surface water storage, wildlife habitat
15	wet shrubland	none	pale dogwood, sandbar willow, cut-leaved teasel, reed canary grass, poison ivy	2.1 8.0		12.5	undetermined/A11, F3	water-stained leaves/ crayfish burrows, geomorphic position, FAC-Neutral Test	NA (c) 0.06 (t)	surface water storage, wildlife habitat
21	marsh	none	narrow-leaved cattail	1.8 4.0		58.3	undetermined/A12, F6, F7	drift deposits, water-stained leaves/ drainage patterns, geomorphic position, FAC-Neutral Test	0.01 (c) 0.03 (t)	surface water storage

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25	marsh	none	narrow-leaved cattail	2.1	8.3	37.5	Ashkum silty clay loam/A12	surface water, true aquatic plants/ geomorphic position, FAC-Neutral Test	NA (c) 0.73 (*)	wildlife habitat, surface water storage
27	marsh	none	inland salt grass, common reed, salt spurrey, narrow-leaved cattail	2.1	8.0	42.3	Peotone silty clay loam/ A12	true aquatic plants/ surface soil cracks, geomorphic position, FAC-Neutral Test	0.74 (c),(t)	surface water storage
28	marsh/pond	none	spike rush, comb pondweed, narrow-leaved cattail	2.4	10.1	35.7	undetermined/ F7	surface water, inundation visible on aerial imagery, true aquatic plants/ geomorphic position, FAC-Neutral Test	0.29 (c) 1.85 (t)	surface water storage
34	forested depression	PSS1C	eastern cottonwood, common buckthorn, sandbar willow, purple loosestrife, reed canary grass, Canada goldenrod, narrow-leaved cattail	2.1	7.5	31.6	Ashkum silty clay loam/ A12	surface water, drift deposits, algal mat or crust, sparsely vegetated concave surface, water-stained leaves/ geomorphic position, crayfish burrows, FAC-Neutral Test	NA (c) 1.70 (t)	wildlife habitat, surface water storage

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35	marsh	none	spike rush, common reed	1.8	3.5	60.0	undetermined/ A11, F3	saturation, sparsely vegetated concave surface/ surface soil cracks, drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 0.12 (t)	surface water storage
36	marsh	none	spike rush, great bulrush, seaside goldenrod	2.8	6.3	50.0	undetermined/ F3	surface water, algal mat or crust/ geomorphic position, FAC-Neutral Test	NA (c) 0.26 (t)	surface water storage
40	marsh	none	red top, spike rush, narrow-leaved cattail	1.4	3.1	37.5	undetermined/ A11, F3	surface water, sparsely vegetated concave surface/ geomorphic position, FAC-Neutral Test	NA (c) 0.02 (t)	surface water storage
41	wet meadow	none	reed canary grass	2.1	6.0	42.9	Ashkum silty clay loam/ A12	water-stained leaves/ drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 0.16 (t)	surface water storage
42	wet shrubland	none	box elder, common buckthorn, grassleaf goldenrod, reed canary grass	2.1	10.4	20.6	Ashkum silty clay loam/ A12	drift deposits, sediment deposits, sparsely vegetated concave surface, algal mat or crust/ geomorphic position, FAC-Neutral Test	0.20 (c) 0.26 (t)	surface water storage
43	marsh	none	common reed, narrow-leaved cattail	1.0	1.0	80.0	water/ inaccessible; hydric soil assumed	surface water/ geomorphic position, FAC-Neutral Test	NA (c) 0.51 (t)	surface water storage

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46	marsh	none	narrow-leaved cattail	1.9	6.6	50.0	undetermined/ A12, F6, F7	algal mat or crust, high water table/ drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 0.30 (t)	surface water storage
48	marsh	none	common reed, seaside goldenrod, narrow-leaved cattail	2.2	9.2	28.0	Ashkum silty clay loam/ A12	high water table/ geomorphic position, FAC-Neutral Test	NA (c) 1.22 (t)	wildlife habitat, surface water storage
49	wet shrubland/ marsh	none	sandbar willow, purple loosestrife, reed canary grass, narrow-leaved cattail	2.0	10.6	39.6	Houghton muck/ A1	sediment deposits, drift deposits/ drainage patterns, geomorphic position, FAC-Neutral Test	1.94 (c),(t)	surface water storage, wildlife habitat
50	marsh	none	spike rush, common reed, narrow-leaved cattail	2.4	10.3	32.1	Houghton muck/ A1	surface water, sediment deposits, drift deposits, algal mat or crust/ drainage patterns, geomorphic position, FAC-Neutral Test	0.97 (c),(t)	surface water storage, wildlife habitat
52	wet shrubland	none	sandbar willow, purple loosestrife, narrow-leaved cattail	2.4	9.7	22.7	undetermined/ A11, F3	algal mat or crust/ geomorphic position, FAC-Neutral Test	0.25 (c),(t)	surface water storage, wildlife habitat
53	marsh	none	common reed	2.1	8.7	32.0	undetermined/ A11, F3	surface water, true aquatic plants/ geomorphic position, FAC-Neutral Test	0.43 (c),(t)	surface water storage, wildlife habitat

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54	forested depression	none	silver maple, pale dogwood	2.6	8.9	20.0	undetermined/ A11, F3	surface water, water marks, drift deposits, sparsely vegetated concave surface, water-stained leaves/ geomorphic position, FAC-Neutral Test	0.25 (c),(t)	surface water storage, wildlife habitat
55	wet meadow	none	Dudley's rush, reed canary grass	2.6	9.4	40.9	Ashkum silty clay loam/ A12	surface water, algal mat or crust/ geomorphic position, FAC-Neutral Test	0.41 (c),(t)	surface water storage, wildlife habitat
57	marsh	none	reed canary grass, common reed, narrow-leaved cattail	1.3	3.3	53.8	undetermined/ F3	surface water/ geomorphic position, FAC-Neutral Test	0.97 (c) 1.04 (t)	surface water storage
59	wet shrubland/ marsh	none	sandbar willow, Canada goldenrod, narrow-leaved cattail	1.6	6.1	39.1	undetermined/ F3	surface water/ geomorphic position, FAC-Neutral Test	0.26 (c) 0.30 (t)	surface water storage
61	marsh	none	reed canary grass, common reed	1.2	3.7	47.1	Peotone silty clay loam/ A12, F6, F7	sediment deposits/ geomorphic position, FAC-Neutral Test	0.17 (c) 0.98 (t)	surface water storage
62	wet shrubland	PEMC	sandbar willow, reed canary grass	2.5	12.4	28.6	Ashkum silty clay loam/ A12	surface water, drift deposits, water marks, water-stained leaves/ geomorphic position, FAC-Neutral Test	0.70 (c),(t)	surface water storage, wildlife habitat

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63	wet meadow	none	reed canary grass, Kentucky blue grass	1.8	4.5	57.1	undetermined/A11, F2	surface water, drift deposits, sediment deposits/ geomorphic position, FAC-Neutral Test	NA (c) 0.25 (t)	surface water storage
64	marsh	none	reed canary grass, common reed	2.6	13.3	23.5	undetermined/A12	algal mat or crust, high water table/ geomorphic position, FAC-Neutral Test	0.63 (c),(t)	surface water storage, wildlife habitat
69	marsh	none	common reed	1.6	4.6	38.5	undetermined/A11, F2	surface water/ geomorphic position, FAC-Neutral Test	0.09 (c) 0.32 (t)	surface water storage
71	forested depression	none	eastern cottonwood, box elder, cottonwood buckthorn, reed canary grass	2.3	10.3	19.2	Ashkum silty clay loam/A12	surface water, drift deposits, water marks, algal mat or crust, water-stained leaves/ geomorphic position, FAC-Neutral Test	0.51 (c),(t)	surface water storage, wildlife habitat
73	floodplain forest	none	box elder, green ash, common buckthorn, riverbank grape, Virginia wild rye, reed canary grass, narrow-leaved cattail	2.4	13.9	21.4	undetermined/A11, F3	surface water, drift deposits/geomorphic position, FAC-Neutral Test	NA (c) 0.32 (t)	flood water storage, wildlife habitat

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74	floodplain forest	none	green ash, box elder, common buckthorn, jewelweed	2.1	9.6	36.4	Ashkum silty clay loam/ A12	drift deposits, sediment deposits/ drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 0.41 (t)	flood water storage, streambank stabilization, wildlife habitat
75	marsh	none	common reed, narrow-leaved cattail	2.6	16.0	27.8	Ashkum silty clay loam/ A12	drift deposits, true aquatic plants/ surface soil cracks, drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 0.55 (t)	flood water storage, wildlife habitat
76	marsh	none	common reed, narrow-leaved cattail	2.2	9.4	41.9	undetermined/ A12	sparsely vegetated concave surface/ geomorphic position, FAC-Neutral Test	NA (c) 0.28 (t)	surface water storage
77	marsh	none	spike rush	2.7	8.5	23.1	undetermined/ A11, F3	sediment deposits, sparsely vegetated concave surface, algal mat or crust/ crayfish burrows, geomorphic position, FAC-Neutral Test	NA (c) 2.21 (t)	surface water storage
78	marsh	none	alkali bulrush, seaside goldenrod, narrow-leaved cattail	2.3	4.0	81.3	undetermined/ F3	sediment deposits, sparsely vegetated concave surface, algal mat or crust/ surface soil cracks, FAC-Neutral Test	0.02 (c) 0.20 (t)	surface water storage

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82	marsh	PEMC	common reed, narrow-leaved cattail	2.8	18.8	17.0	Peotone silty clay loam/ A12	true aquatic plants/drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 1.72 (*)	high quality wildlife habitat, large amount of surface water storage, heritage/recreation
83	pond	none	leafy pondweed	2.7	9.7	40.9	undetermined/ A11, F3	surface water, true aquatic plants/geomorphic position, FAC-Neutral Test	NA (c) 2.63 (t)	surface water storage, mitigation wetland
84	marsh	PEMC, PEMF	common reed	2.4	10.9	39.4	Ashkum silty clay loam/ A12	surface water/ drainage patterns, geomorphic position, FAC-Neutral Test	0.16 (c) 7.35 (t)	high quality wildlife habitat, large amount of surface water storage
85	marsh	none	reed canary grass, common reed, narrow-leaved cattail	2.3	11.4	25.0	Ashkum silty clay loam/ A12	algal mat or crust, true aquatic plants/surface soil cracks, drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 0.30 (t)	surface water storage, wildlife habitat

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87	marsh/pond	PUBGx, PSS1Fx, PEMF	common duckweed, narrow-leaved cattail	2.4	13.8	28.9	Peotone silty clay loam/ A12	surface water, true aquatic plants, inundation visible on aerial imagery/ drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 6.48 (t)	high quality wildlife habitat, large amount of surface water storage
88	marsh/pond	PUBGx	purple loosestrife, spatterdock, leafy pondweed, narrow-leaved cattail	2.8	16.1	12.2	undetermined/ A11, F3	surface water, sediment deposits, inundation visible on aerial imagery, true aquatic plants/ geomorphic position, FAC-Neutral Test	NA (c) 3.86 (t)	wildlife habitat, surface water storage, heritage/ recreation
89	wet meadow	PEMA	reed canary grass	3.0	8.5	42.9	Peotone silty clay loam/ A12	drift deposits/ geomorphic position, FAC-Neutral Test	0.08 (c),(t)	surface water storage
90	marsh	PEMCd	common reed, narrow-leaved cattail	2.6	11.8	36.4	Ashkum silty clay loam/ A12	surface water, water-stained leaves, true aquatic plants/ geomorphic position, FAC-Neutral Test	0.13 (c) 1.19 (t)	wildlife habitat, surface water storage, mitigation wetland
91	marsh	none	common reed	0.6	1.3	50.0	undetermined/ A11, F3	surface water/ drainage patterns, geomorphic position, FAC-Neutral Test	0.10 (c),(t)	surface water storage

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92	forested depression	PFO1F, PUBGh	box elder, common buckthorn, common reed, narrow-leaved cattail	2.5	13.1	27.0	Peotone silty clay loam/ A12	surface water/ geomorphic position, FAC-Neutral Test	NA (c) 0.47 (*)	wildlife habitat, surface water storage
93	marsh	PEMCd	reed canary grass, narrow-leaved cattail	1.8	5.7	54.5	Peotone silty clay loam/ A12	no primary indicators/ geomorphic position, FAC-Neutral Test	NA (c) 2.95 (*)	wildlife habitat, surface water storage
94	marsh	none	common reed, narrow-leaved cattail	2.8	13.2	24.1	Ashkum silty clay loam/ A12	surface water/ drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 0.26 (t)	surface water storage
95	marsh	none	river bulrush, reed canary grass, common reed	2.0	6.3	44.4	Peotone silty clay loam/ A12	no primary indicators/ drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 0.07 (*)	wildlife habitat, surface water storage
97	marsh	none	reed canary grass, common reed	1.4	4.3	25.0	Peotone silty clay loam/ A12	no primary indicators/ geomorphic position, FAC-Neutral Test	0.05 (c) 0.27 (t)	surface water storage
98	wet shrubland	none	sandbar willow, reed canary grass, narrow-leaved cattail	2.3	9.7	28.0	undetermined/ A11, F3	no primary indicators/ geomorphic position, FAC-Neutral Test	NA (c) 0.59 (t)	surface water storage

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99	marsh	none	narrow-leaved cattail	2.4	12.3	34.1	Ashkum silty clay loam/ A12	surface water, true aquatic plants/ geomorphic position, FAC-Neutral Test	0.12 (c) 3.78 (t)	wildlife habitat, surface water storage
101	marsh	none	spike rush, Torrey's rush, reed canary grass, narrow-leaved cattail	2.3	8.6	30.0	Peotone silty clay loam/ A12	no primary indicators/ drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 0.28 (t)	surface water storage
102	pond	none	common reed, narrow-leaved cattail	3.3	13.9	35.5	undetermined/ A11, F3	surface water, true aquatic plants, inundation visible on aerial imagery/ geomorphic position, FAC-Neutral Test	0.04 (c) 1.28 (t)	wildlife habitat, surface water storage
103	marsh	PUBFx, PEMA	narrow-leaved cattail	2.3	7.8	45.5	undetermined/ F3	surface water, true aquatic plants, inundation visible on aerial imagery/ surface soil cracks, geomorphic position, FAC-Neutral Test	0.01 (c) 2.18 (t)	wildlife habitat, surface water storage
105	forested depression	none	eastern cottonwood, black willow, sandbar willow, reed canary grass, narrow-leaved cattail	2.7	14.2	23.1	Peotone silty clay loam/ A12	surface water/ geomorphic position, FAC-Neutral Test	0.43 (c) 0.63 (t)	wildlife habitat, surface water storage

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107	forested depression	none	eastern cottonwood, reed canary grass, narrow-leaved cattail	2.6	13.3	25.0	Peotone silty clay loam/ A12	drift deposits, sparsely vegetated concave surface, water-stained leaves, true aquatic plants/ geomorphic position, FAC-Neutral Test	NA (c) 1.19 (t)	wildlife habitat, surface water storage
108	marsh	none	reed canary grass, common reed, narrow-leaved cattail	2.4	9.9	32.0	Peotone silty clay loam/ A12	no primary indicators/ geomorphic position, FAC-Neutral Test	0.00 (c) 0.30 (t)	wildlife habitat, surface water storage
109	forested depression	PEMF	silver maple, common buckthorn	2.0	5.7	38.5	Peotone silty clay loam/A12	drift deposits, water marks, water-stained leaves, sparsely vegetated concave surface/geomorphic position, FAC-Neutral Test	NA (c) 0.47 (*)	wildlife habitat, surface water storage
111	wet shrubland	PEMCd	sandbar willow, reed canary grass, narrow-leaved cattail	2.8	15.8	26.7	Peotone silty clay loam/ A12	surface water, true aquatic plants/ geomorphic position, FAC-Neutral Test	0.00 (c) 0.57 (t)	wildlife habitat, surface water storage
113	forested depression	PEMCd	silver maple, eastern cottonwood, reed canary grass	2.9	14.3	20.0	Ashkum silty clay loam/ A12	surface water/ geomorphic position, FAC-Neutral Test	0.07 (c) 0.20 (t)	wildlife habitat, surface water storage

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114	marsh	PEMCd, PUBF	panicked aster, narrow-leaved cattail	2.2	13.8	26.4	Peotone silty clay loam/ A12	algal mat or crust, true aquatic plants/ surface soil cracks, drainage patterns, geomorphic position, FAC-Neutral Test	0.07 (c) 2.39 (t)	wildlife habitat, surface water storage
123	marsh	none	spike rush	2.0	6.0	25.0	undetermined/ A12	surface water/geomorphic position, FAC-Neutral Test	NA (c) 0.25 (*)	surface water storage, heritage/ recreation
124	marsh/pond	PEMCd	reed canary grass, common reed, narrow-leaved cattail	2.4	13.3	33.3	Peotone silty clay loam/ A12	surface water, drift deposits, inundation visible on aerial imagery, true aquatic plants/ geomorphic position, FAC-Neutral Test	4.06 (c) 13.34 (t)	wildlife habitat, surface water storage, mitigation wetland, heritage/ recreation

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125	marsh	PEMcd	reed canary grass, common reed, narrow-leaved cattail	2.3	15.1	23.6	Peotone silty clay loam/ A12	surface water, drift deposits, true aquatic plants/ geomorphic position, FAC-Neutral Test	2.19 (c) 31.43(*)	high quality wildlife habitat, large amount of surface water storage, heritage/recreation (portion overlaps with mapped DuPage County critical wetland)
134	marsh	none	narrow-leaved cattail	2.5	11.7	24.1	undetermined/ F6, F7	surface water, drift deposits, true aquatic plants/ geomorphic position, FAC-Neutral Test	0.49 (c) 0.52 (t)	wildlife habitat, surface water storage
137	marsh/pond	PSS1A	spike rush, fragrant water lily	3.0	7.9	38.5	Houghton muck/ A1	surface water/ geomorphic position, FAC-Neutral Test	0.12 (c) 1.93 (t)	wildlife habitat, surface water storage
138	marsh	PSS1A	common duckweed, narrow-leaved cattail	2.1	7.2	36.8	Houghton muck/ A1	surface water, true aquatic plants/ geomorphic position, FAC-Neutral Test	0.50 (c) 2.93 (t)	surface water storage

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Summary of the Wetlands in the Project Vicinity and their Characteristics

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139	marsh	none	common reed	2.7	9.0	47.6	undetermined/ A12, F6	surface water/ drainage patterns, geomorphic position, FAC-Neutral Test	0.34 (c),(t)	surface water storage
140	marsh	none	narrow-leaved cattail	2.0	10.2	35.0	Ashkum silty clay loam/ A12	surface water/ drainage patterns, geomorphic position, FAC-Neutral Test	3.21 (c),(t)	surface water storage
141	marsh	PEMA	Torrey's rush, reed canary grass, narrow-leaved cattail	1.5	6.1	43.3	Ashkum silty clay loam/ A12	saturation/ geomorphic position, FAC-Neutral Test	0.49 (c),(t)	surface water storage
142	marsh	none	common reed, cattail	2.0	9.6	22.6	undetermined/ A11, F3	no primary indicators/ geomorphic position, FAC-Neutral Test	0.89 (c),(t)	surface water storage
143	marsh	none	narrow-leaved cattail	1.7	2.9	72.7	undetermined/ A11, F3	high water table/ geomorphic position, FAC-Neutral Test	0.02 (c),(t)	surface water storage
144	marsh	none	narrow-leaved cattail	2.0	4.5	28.6	undetermined/ inaccessible; hydric soil assumed	surface water/ geomorphic position, FAC-Neutral Test	0.01 (c) 2.43 (t)	surface water storage
146	marsh/wet meadow	none	red top, narrow-leaved cattail	3.0	9.9	18.8	undetermined/ A11, F3	no primary indicators/ geomorphic position, FAC-Neutral Test	0.01 (c),(t)	surface water storage, heritage/ recreation (high floristic quality)

TABLE J-1
Summary of the Wetlands in the Project Vicinity and their Characteristics

Wetland Site Number	Wetland Type (Plant Community/Cover Type)	NWI Code ^a	Dominant Plant Species ^b	Mean C-Value	FQI	Percent Adventive	Soil Type/NRCS Hydric Soil Indicator(s) ^c	Hydrologic Indicators (Primary/Secondary)	Wetland Size (ac) ^d	Wetland Functions
148	marsh/pond	none	common duckweed, narrow-leaved cattail	2.2	7.5	47.8	Ashkum silty clay loam/A12	surface water, true aquatic plants/geomorphic position, FAC-Neutral Test	NA (c) 0.42 (t)	surface water storage
149	pond	PUBGx	leafy pondweed, comb pondweed, narrow-leaved cattail	3.0	9.0	35.7	Ashkum silty clay loam/ A12	surface water, true aquatic plants/geomorphic position, FAC-Neutral Test	NA (c) 0.32 (t)	surface water storage
150	restored wet prairie	none	squirrel-tail, Torrey's rush, prairie switchgrass, narrow-leaved cattail	2.9	15.2	30.8	Ashkum silty clay loam/A12	sparsely vegetated concave surface/surface soil cracks, drainage patterns, geomorphic position, FAC- Neutral Test	NA (c) 0.23 (t)	surface water storage
151	marsh	none	narrow-leaved cattail	2.0	4.5	58.3	Ashkum silty clay loam/ A12	no primary indicators/ drainage patterns, geomorphic position, FAC-Neutral Test	0.16 (c),(t)	surface water storage
152	marsh	none	narrow-leaved cattail	2.7	13.3	35.1	undetermined/ F3	surface water/ drainage patterns, geomorphic position, FAC-Neutral Test	0.99 (c),(t)	surface water storage
154	marsh	none	fragrant water lily, narrow-leaved cattail	2.9	17.8	25.5	Ashkum silty clay loam/ A12	surface water/ geomorphic position, crayfish burrows, FAC-Neutral Test	NA (c) 1.33 (t)	wildlife habitat, surface water storage

TABLE J-1
Summary of the Wetlands in the Project Vicinity and their Characteristics

Wetland Site Number	Wetland Type (Plant Community/Cover Type)	NWI Code ^a	Dominant Plant Species ^b	Mean C-Value	FQI	Percent Adventive	Soil Type/NRCS Hydric Soil Indicator(s) ^c	Hydrologic Indicators (Primary/Secondary)	Wetland Size (ac) ^d	Wetland Functions
155	marsh	none	reed canary grass, great bulrush, narrow-leaved cattail	2.3	9.9	26.9	Peotone silty clay loam/ A12	no primary indicators/ drainage patterns, geomorphic position, crayfish burrows, FAC-Neutral Test	0.42 (c),(t)	surface water storage
158	marsh	PEMC	river bulrush, wooly sedge, common reed, great bulrush	3.1	22.8	20.9	Ashkum silty clay loam/ A12	surface water/ geomorphic position, crayfish burrows, FAC-Neutral Test	NA (c) 1.47 (t)	wildlife habitat, surface water storage, heritage/ recreation (high floristic quality)
160	pond	none	narrow-leaved cattail	2.2	5.3	22.2	undetermined/ A2, A3, A11, F2	surface water, drift deposits, true aquatic plants/ geomorphic position, FAC-Neutral Test	0.36 (c) 1.53 (t)	surface water storage
161	pond	none	narrow-leaved cattail	2.2	9.9	19.2	Ashkum silty clay loam/ A12	surface water, sparsely vegetated concave surface, algal mat or crust, true aquatic plants / geomorphic position, crayfish burrows, FAC-Neutral Test	0.03 (c) 0.10 (t)	surface water storage
162	marsh	none	narrow-leaved cattail	2.2	12.6	24.4	Peotone silty clay loam/ A12	sediment deposits / drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 2.56 (t)	surface water storage, wildlife habitat, heritage/ recreation

TABLE J-1
Summary of the Wetlands in the Project Vicinity and their Characteristics

Wetland Site Number	Wetland Type (Plant Community/Cover Type)	NWI Code ^a	Dominant Plant Species ^b	Mean C-Value	FQI	Percent Adventive	Soil Type/NRCS Hydric Soil Indicator(s) ^c	Hydrologic Indicators (Primary/Secondary)	Wetland Size (ac) ^d	Wetland Functions
163	marsh	none	narrow-leaved cattail	2.2	10.6	40.0	Peotone silty clay loam/ A12	surface water/ drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 1.32 (t)	surface water storage, wildlife habitat, heritage/ recreation
164	forested depression	PUBGx, PEMC	green ash, silver maple, common duckweed, reed canary grass, common reed, narrow-leaved cattail	2.1	11.5	31.9	Ashkum silty clay loam/ A4, A12	surface water, drift deposits, true aquatic plants/ surface soil cracks, geomorphic position, FAC-Neutral Test	0.74 (c) 5.18 (*)	wildlife habitat, surface water storage
165	pond	none	spike rush, leafy pondweed	1.6	5.5	36.8	Ashkum silty clay loam/A12	surface water, true aquatic plants/ geomorphic position, FAC-Neutral Test	NA (c) 0.47 (t)	surface water storage
170	pond	PSS1A, PEMA	common duckweed, leafy pondweed	3.0	15.3	18.8	undetermined/ A11, F6, F7	surface water, true aquatic plants/ geomorphic position, FAC-Neutral Test	NA (c) 0.90 (t)	wildlife habitat, surface water storage
171	forested depression	PSS1A	eastern cottonwood, American elm, green ash, common buckthorn, riverbank grape	2.0	5.7	20.0	Peotone silty clay loam/ A12	sparsely vegetated concave surface, drift deposits, water-stained leaves/ geomorphic position, FAC-Neutral Test	NA (c) 0.30 (t)	surface water storage

TABLE J-1
Summary of the Wetlands in the Project Vicinity and their Characteristics

Wetland Site Number	Wetland Type (Plant Community/Cover Type)	NWI Code ^a	Dominant Plant Species ^b	Mean C-Value	FQI	Percent Adventive	Soil Type/NRCS Hydric Soil Indicator(s) ^c	Hydrologic Indicators (Primary/Secondary)	Wetland Size (ac) ^d	Wetland Functions
172	wet meadow	none	beggar's ticks, bluejoint grass, spike rush	1.5	6.7	26.9	Drummer silty clay loam/ A12	algal mat or crust/ geomorphic position, FAC-Neutral Test	0.21 (c) 0.32 (t)	surface water storage
175	marsh	none	spike rush, narrow-leaved cattail	2.6	12.9	29.4	Drummer silty clay loam/ A12	surface water, drift deposits, true aquatic plants/ geomorphic position, FAC-Neutral Test	NA (c) 0.40 (t)	surface water storage, heritage/ recreation
177	pond	none	leafy pondweed, water milfoil	1.9	7.5	37.5	undetermined/ A11, F3	surface water, drift deposits, true aquatic plants, inundation visible on aerial imagery/ geomorphic position, FAC-Neutral Test	NA (c) 0.24 (t)	surface water storage, heritage/ recreation
178	wet meadow	PEMC	reed canary grass	2.0	7.2	38.1	Sawmill silty clay loam/ A12	sediment deposits/ drainage patterns, geomorphic position, FAC-Neutral Test	0.86 (c) 2.48 (t)	flood water storage, streambank stabilization, wildlife habitat, heritage/ recreation
180	marsh	PEMC	common reed	2.2	4.9	0.0	Sawmill silty clay loam/ A12	surface water, sediment deposits, drift deposits/ drainage patterns, geomorphic position, FAC-Neutral Test	NA (c) 2.39 (t)	wildlife habitat, flood water storage, mitigation wetland, heritage/ recreation

TABLE J-1
Summary of the Wetlands in the Project Vicinity and their Characteristics

Wetland Site Number	Wetland Type (Plant Community/Cover Type)	NWI Code ^a	Dominant Plant Species ^b	Mean C-Value	FQI	Percent Adventive	Soil Type/NRCS Hydric Soil Indicator(s) ^c	Hydrologic Indicators (Primary/Secondary)	Wetland Size (ac) ^d	Wetland Functions
181	marsh	none	common reed, narrow-leaved cattail	1.9	7.8	19.0	Sawmill silty clay loam/ A12	surface water, sediment deposits, drift deposits, true aquatic plants/ drainage patterns, geomorphic position, FAC-Neutral Test	2.03 (c) 2.30 (t)	wildlife habitat, surface water storage, heritage/ recreation
184	marsh	none	common reed	1.2	3.9	35.3	Ashkum silty clay loam/ A12	no primary indicators/ drainage patterns, geomorphic position, FAC-Neutral Test	0.20 (c),(t)	surface water storage
186	pond	none	European water milfoil	2.3	5.7	40.0	undetermined/ A11, F2	surface water, inundation visible on aerial imagery, true aquatic plants/ geomorphic position, FAC-Neutral Test	NA (c) 0.18 (t)	surface water storage
187	forested depression	PEMC	eastern cottonwood, box elder, common buckthorn, reed canary grass	2.2	10.0	36.4	undetermined/ A11, F2	surface water, sediment deposits, true aquatic plants/ geomorphic position, FAC-Neutral Test	0.80 (c) 0.81 (t)	wildlife habitat, surface water storage
188	pond	PEMC	broad-leaf water-plantain, arrowhead	2.1	8.0	36.4	Ashkum silty clay loam/ A12	surface water, inundation visible on aerial imagery, true aquatic plants/ geomorphic position, FAC-Neutral Test	0.21 (c),(t)	surface water storage

TABLE J-1
Summary of the Wetlands in the Project Vicinity and their Characteristics

Wetland Site Number	Wetland Type (Plant Community/Cover Type)	NWI Code ^a	Dominant Plant Species ^b	Mean C-Value	FQI	Percent Adventive	Soil Type/NRCS Hydric Soil Indicator(s) ^c	Hydrologic Indicators (Primary/Secondary)	Wetland Size (ac) ^d	Wetland Functions
189	forested depression	PEMC	eastern cottonwood, green ash, reed canary grass	1.8	7.3	23.8	Ashkum silty clay loam/ A12	surface water/ geomorphic position, FAC-Neutral Test	1.03 (c),(t)	wildlife habitat, surface water storage
190	forested depression	PEMA	eastern cottonwood, box elder, common buckthorn, reed canary grass	1.9	6.3	31.3	undetermined/ F3, F6	surface water/ geomorphic position, FAC-Neutral Test	0.34 (c),(t)	wildlife habitat, surface water storage
191	marsh	none	narrow-leaved cattail	1.9	5.7	10.0	Ashkum silty clay loam/ A12	no primary indicators/ drainage patterns, geomorphic position, FAC-Neutral Test	0.14 (c),(t)	surface water storage
192	wet meadow	none	dogbane, reed canary grass	2.3	9.9	18.2	Ashkum silty clay loam/ A12	water-stained leaves, algal mat or crust/ geomorphic position, FAC-Neutral Test	0.06 (c),(t)	surface water storage
194	marsh	none	red top, narrow-leaved cattail	2.1	6.3	25.0	Ashkum silty clay loam/ A12	no primary indicators/ drainage patterns, geomorphic position, FAC-Neutral Test	0.14 (c),(t)	surface water storage
195	marsh	none	common reed, narrow-leaved cattail	2.5	6.1	40.0	Peotone silty clay loam/ A12	algal mat or crust/ drainage patterns, geomorphic position, FAC-Neutral Test	0.20 (c),(t)	surface water storage

TABLE J-1
Summary of the Wetlands in the Project Vicinity and their Characteristics

Wetland Site Number	Wetland Type (Plant Community/Cover Type)	NWI Code ^a	Dominant Plant Species ^b	Mean C-Value	FQI	Percent Adventive	Soil Type/NRCS Hydric Soil Indicator(s) ^c	Hydrologic Indicators (Primary/Secondary)	Wetland Size (ac) ^d	Wetland Functions
1A	marsh	upland	common reed	1.8	4.9	20.0	undetermined/F6	high water table, saturation/ geomorphic position, FAC-Neutral Test	NA (c) 0.09 (t)	surface water storage
1C	marsh	upland	spike rush, purple loosestrife, red top, Dudley's rush, cattail	2.6	15.9	26.4	Sawmill silty clay loam/A10, F3	high water table, saturation, sediment deposits, drift deposits/ drainage patterns, geomorphic position, FAC-Neutral Test	1.04 (c) 1.05 (t)	surface water storage, wildlife habitat, heritage/ recreation
2C	wet meadow	upland	reed canary grass	2.2	8.5	25.0	Sawmill silty clay loam/ A12	high water table, saturation, sediment deposits, drift deposits/ drainage patterns, geomorphic position, FAC-Neutral Test	0.48 (c) 0.88 (t)	wildlife habitat, flood water storage, streambank stabilization, heritage/ recreation
3A	marsh	upland	common reed	1.7	4.1	66.7	undetermined/A11, F3	high water table, saturation/ geomorphic position, FAC-Neutral Test	NA (c) 0.02 (t)	surface water storage
5C	wet meadow	PUBF	red top, spike rush, Kentucky bluegrass	1.0	1.7	50.0	Ashkum silty clay loam/F6	surface water, high water table, saturation/ geomorphic position, FAC-Neutral Test	0.00 (c) 0.19 (t)	surface water storage

TABLE J-1
Summary of the Wetlands in the Project Vicinity and their Characteristics

Wetland Site Number	Wetland Type (Plant Community/Cover Type)	NWI Code ^a	Dominant Plant Species ^b	Mean C-Value	FQI	Percent Adventive	Soil Type/NRCS Hydric Soil Indicator(s) ^c	Hydrologic Indicators (Primary/Secondary)	Wetland Size (ac) ^d	Wetland Functions
11C	marsh	upland	narrow-leaved cattail	1.5	3.0	37.5	unmapped by NRCS/F3	surface water, high water table, saturation, aquatic fauna/ drainage patterns, geomorphic position, FAC-Neutral Test	0.25 (c) 0.32 (t)	surface water storage

Source: Matthews et al., 2009; Matthews et al., 2010; Mathews et al., 2011; DuPage County Department of Development and Environmental Concerns, 1999; CH2M HILL GIS database, 2011

^a National Wetlands Inventory (NWI) Codes: P = palustrine; EM = emergent; OW = open water (unknown bottom); SS1 = scrub-shrub, broad-leaved deciduous; UB = unconsolidated bottom; A = temporarily flooded; C = seasonally flooded; F = semipermanently flooded; G = intermittently exposed; d = partially drained/ditched; x = excavated

^b Scientific names are provided in Table J-2.

^c Natural Resources Conservation Service (NRCS) Mapped Soil Series are provided, unless revised by Illinois Natural History Survey (INHS). "Water" and "undetermined" are not Soil Series, but represent what was observed at time of the field investigation.
NRCS Hydric Soil Indicators: A1 = Histosol; A2 = Histic Epipedon; A3 = Black Histic; A4 = Hydrogen Sulfide; A10 = 2cm Muck; A11 = Depleted Below Dark Surface; A12 = Thick Dark Surface; F2 = Loamy Gleyed Matrix; F3 = Depleted Matrix; F6 = Redox Dark Surface; F7 = Depleted Dark Surface

^d (c) = acreage within project corridor; (t) = total acreage; (*) = wetland site extends beyond field study limits, total acreage is not known; an acreage of 0.00 (c) = wetland with an area of less than 0.005 acre within the project corridor limits; NA (c) = not within project corridor

TABLE J-2
Wetland Plant List

Common Name	Scientific Name
alkali bulrush	<i>Bolboschoenus maritimus</i>
American elm	<i>Ulmus americana</i>
arrowhead	<i>Sagittaria latifolia</i>
beggar's ticks	<i>Bidens comosa</i>
black willow	<i>Salix nigra</i>
bluejoint grass	<i>Calamagrostis canadensis</i>
box elder	<i>Acer negundo</i>
broad-leaf water-plantain	<i>Alisma plantago-aquatica</i>
Canada goldenrod	<i>Solidago canadensis</i>
cattail	<i>Typha latifolia</i>
comb pondweed	<i>Stuckenia pectinata</i>
common buckthorn	<i>Rhamnus cathartica</i>
common duckweed	<i>Lemna minor</i>
common reed	<i>Phragmites australis</i>
cut-leaved teasel	<i>Dipsacus laciniatus</i>
dogbane	<i>Apocynum cannabinum</i>
Dudley's rush	<i>Juncus dudleyi</i>
eastern cottonwood	<i>Populus deltoides</i>
European water milfoil	<i>Myriophyllum spicatum</i>
fragrant water lily	<i>Nymphaea odorata</i>
garlic mustard	<i>Alliaria petiolata</i>
grassleaf goldenrod	<i>Euthamia graminifolia</i>
great bulrush	<i>Schoenoplectus tabernaemontani</i>
green ash	<i>Fraxinus pennsylvanica</i>
ground ivy	<i>Glechoma hederacea</i>
inland salt grass	<i>Distichlis spicata</i>
jewelweed	<i>Impatiens capensis</i>
Kentucky blue grass	<i>Poa pratensis</i>
leafy pondweed	<i>Potamogeton nodosus</i>
narrow-leaved cattail	<i>Typha angustifolia</i>
pale dogwood	<i>Cornus obliqua</i>
panicked aster	<i>Aster lanceolatus</i> var. <i>simplex</i>

TABLE J-2
Wetland Plant List

Common Name	Scientific Name
poison ivy	<i>Toxicodendrom radicans</i>
prairie switchgrass	<i>Panicum virgatum</i>
purple loosestrife	<i>Lythrum salicaria</i>
red top	<i>Agrostis alba/A. gigantea</i>
reed canary grass	<i>Phalaris arundinacea</i>
riverbank grape	<i>Vitis riparia</i>
river bulrush	<i>Bolboschoenus fluviatilis</i>
salt spurrey	<i>Spergularia media</i>
sandbar willow	<i>Salix interior</i>
seaside goldenrod	<i>Solidago sempervirens</i>
silver maple	<i>Acer saccharinum</i>
spatterdock	<i>Nuphar luteum macrophyllum</i>
spike rush	<i>Eleocharis erythropoda</i>
squirrel-tail	<i>Hordeum jubatum</i>
Torrey's rush	<i>Juncus torreyi</i>
Virginia wild rye	<i>Elymus virginicus</i>
water milfoil	<i>Myriophyllum sp.</i>
wooly sedge	<i>Carex pellita</i>

References

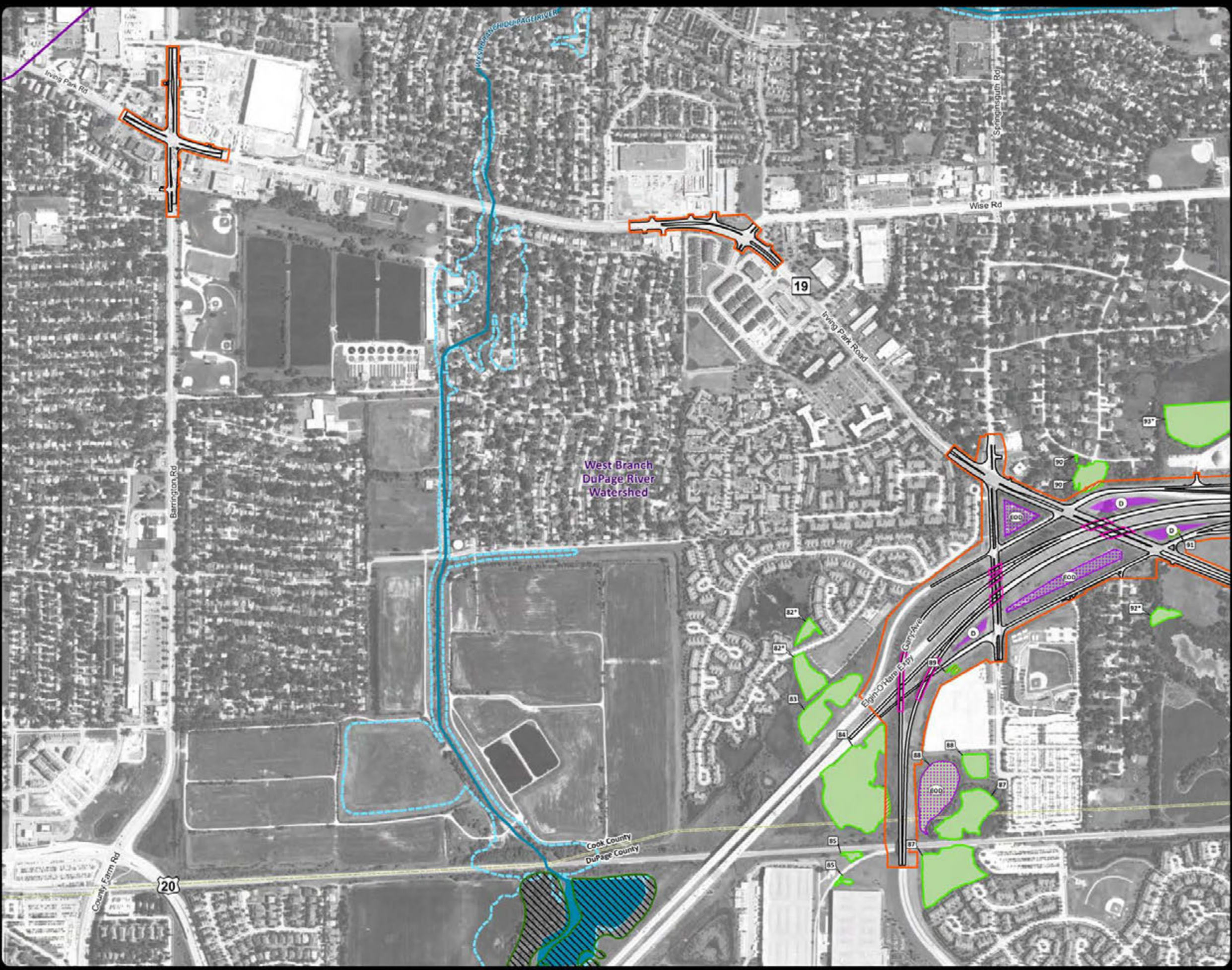
CH2M HILL. 2011. GIS Database.

DuPage County Department of Development and Environmental Concerns. 1999. *DuPage County Wetland Inventory (DCWI) Maps*.

Matthews, J., I. Draheim, and B. Zercher. INHS. 2009. *Wetland Survey Report for Elgin O'Hare Expressway in Cook and DuPage Counties*. Prepared for the Illinois Department of Transportation. December 16.

Matthews, J., I. Draheim, B. Zercher, and J. Zylka. INHS. 2010. *Wetland Survey Report for Elgin O'Hare Expressway in Cook and DuPage Counties – Addenda A and B*. Prepared for the Illinois Department of Transportation. September 7.

Matthews, J., G. Geatz, and B. Zercher. INHS. 2011. *Wetland Delineation Report, Elgin O'Hare Expressway, Addendum C, Cook and DuPage Counties, Illinois*. Prepared for the Illinois Department of Transportation. September 8.



LEGEND

- Impacted Wetland/Waters
- Wetlands
- Mapped Critical Wetlands
- Surface Waters
- 100-Year Floodplain
- Existing Elgin-O'Hare Detention Ponds
- Potential Stormwater Management Facility
 - Compensatory Storage Site
 - Detention Site
 - Pump Station
- Watershed Boundary
- Proposed Edge of Pavement
- Proposed Bridge
- Runway Protection Zone (Proposed and/or Existing)
- O'Hare Airport
- County Boundary
- Project Corridor

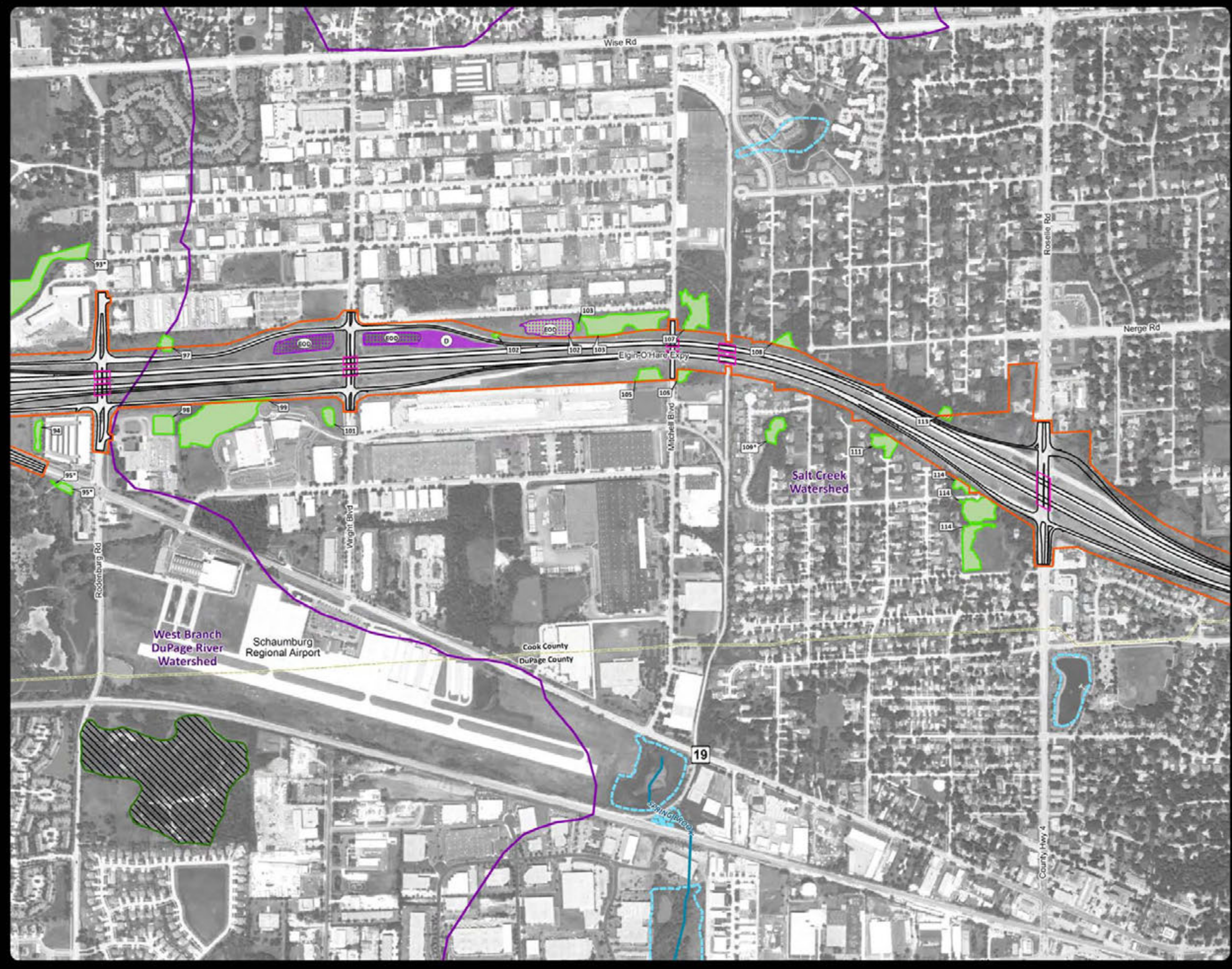
Notes:
 -Wetland Id numbers with an * represent wetlands that extend beyond the limits of this study (i.e., the entire wetland is not shown).
 -Some creek boundaries located outside of project corridor have been revised based on aerial interpretation.

Sources:
 -Wetlands: Matthews et al., 2009; Matthews et al., 2010; Matthews et al., 2011
 -Mapped Critical Wetlands: DuPage County Wetland Inventory, 2006
 -Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
 -100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008



Exhibit J-1
Potential Wetland/
Surface Water Impacts

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LEGEND

- Impacted Wetland/Waters
- Wetlands
- Mapped Critical Wetlands
- Surface Waters
- 100-Year Floodplain
- Existing Elgin-O'Hare Detention Ponds
- Potential Stormwater Management Facility
 - Compensatory Storage Site
 - Detention Site
 - Pump Station
- Watershed Boundary
- Proposed Edge of Pavement
- Proposed Bridge
- Runway Protection Zone (Proposed and/or Existing)
- O'Hare Airport
- County Boundary
- Project Corridor

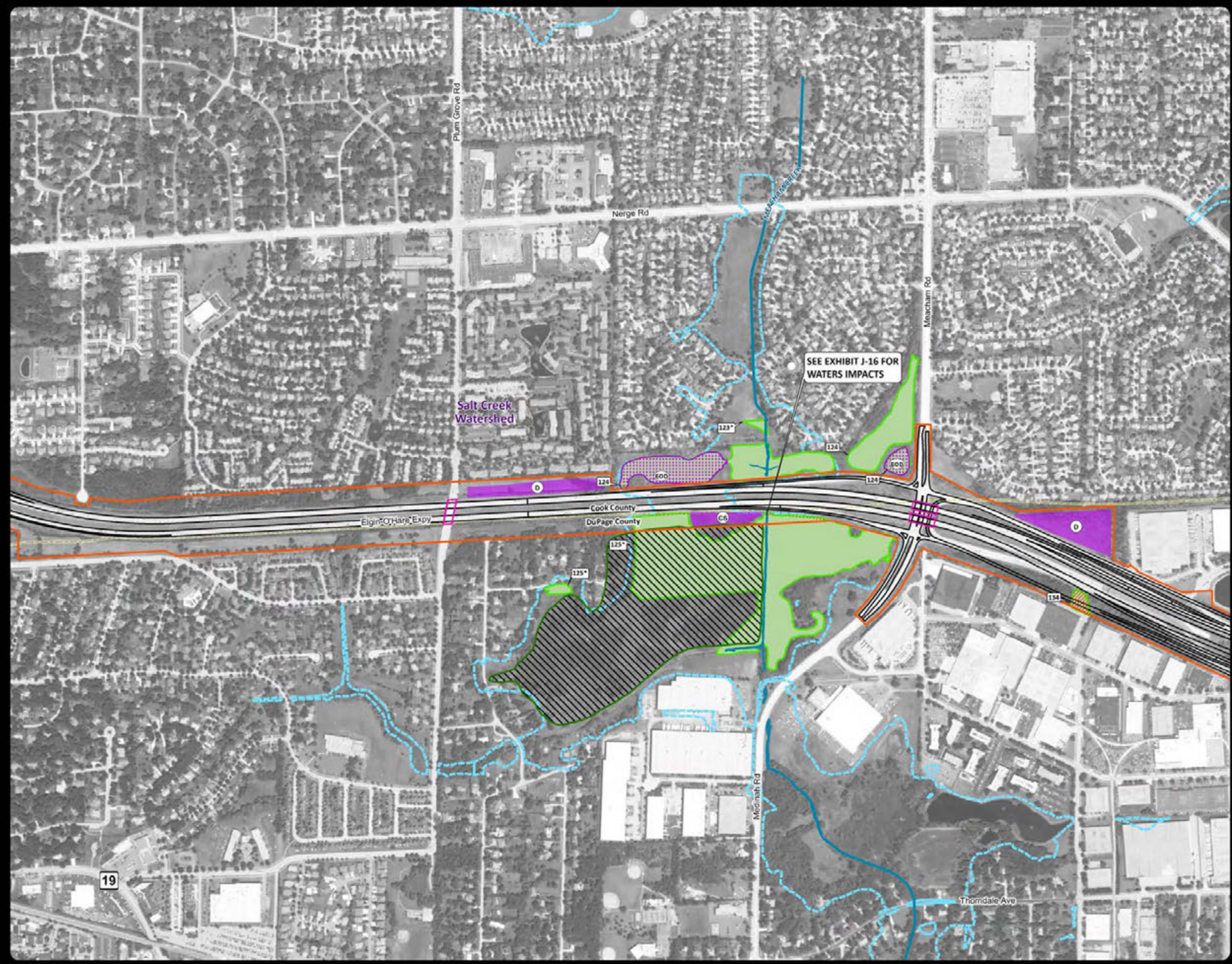
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 -Mapped Critical Wetlands: DuPage County Wetland Inventory, 2006
 -Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
 -100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008



Exhibit J-2
Potential Wetland/
Surface Water Impacts

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LEGEND

- Impacted Wetland/Waters
- Wetlands
- Mapped Critical Wetlands
- Surface Waters
- 100-Year Floodplain
- Existing Elgin-O'Hare Detention Ponds
- Potential Stormwater Management Facility
- Compensatory Storage Site
- Detention Site
- Pump Station
- Watershed Boundary
- Proposed Edge of Pavement
- Proposed Bridge
- Runway Protection Zone (Proposed and/or Existing)
- O'Hare Airport
- County Boundary
- Project Corridor

Notes:
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 -Mapped Critical Wetlands: DuPage County Wetland Inventory, 2006
 -Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
 -100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008



Exhibit J-3
Potential Wetland/
Surface Water Impacts



LEGEND

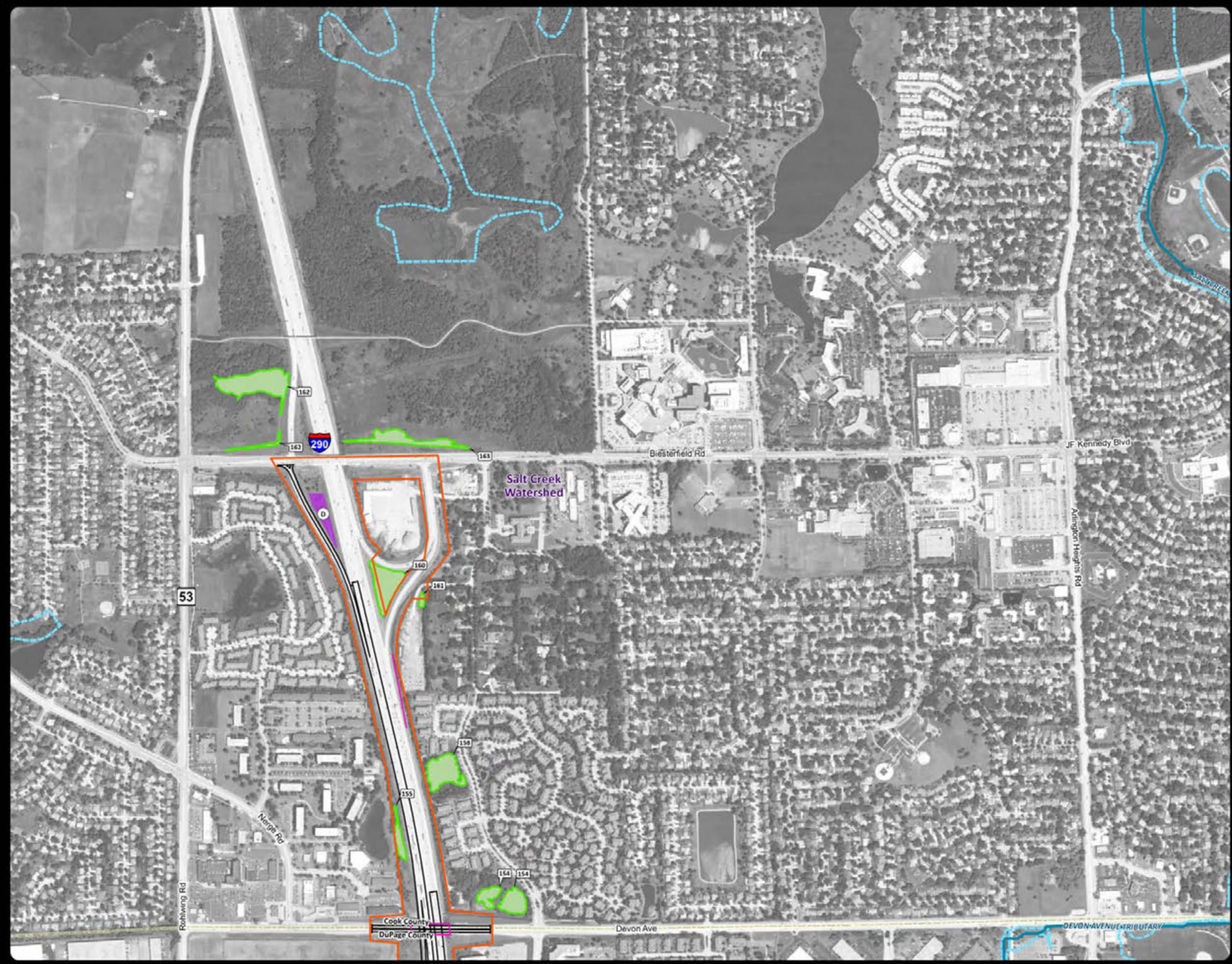
- Impacted Wetland/Waters
- Wetlands
- Mapped Critical Wetlands
- Surface Waters
- 100-Year Floodplain
- Existing Elgin-O'Hare Detention Ponds
- Potential Stormwater Management Facility
 - Compensatory Storage Site
 - Detention Site
 - Pump Station
- Watershed Boundary
- Proposed Edge of Pavement
- Proposed Bridge
- Runway Protection Zone (Proposed and/or Existing)
- O'Hare Airport
- County Boundary
- Project Corridor

Notes:
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Sources:
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 -Mapped Critical Wetlands: DuPage County Wetland Inventory, 2006
 -Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
 -100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008



Exhibit J-4
Potential Wetland/
Surface Water Impacts



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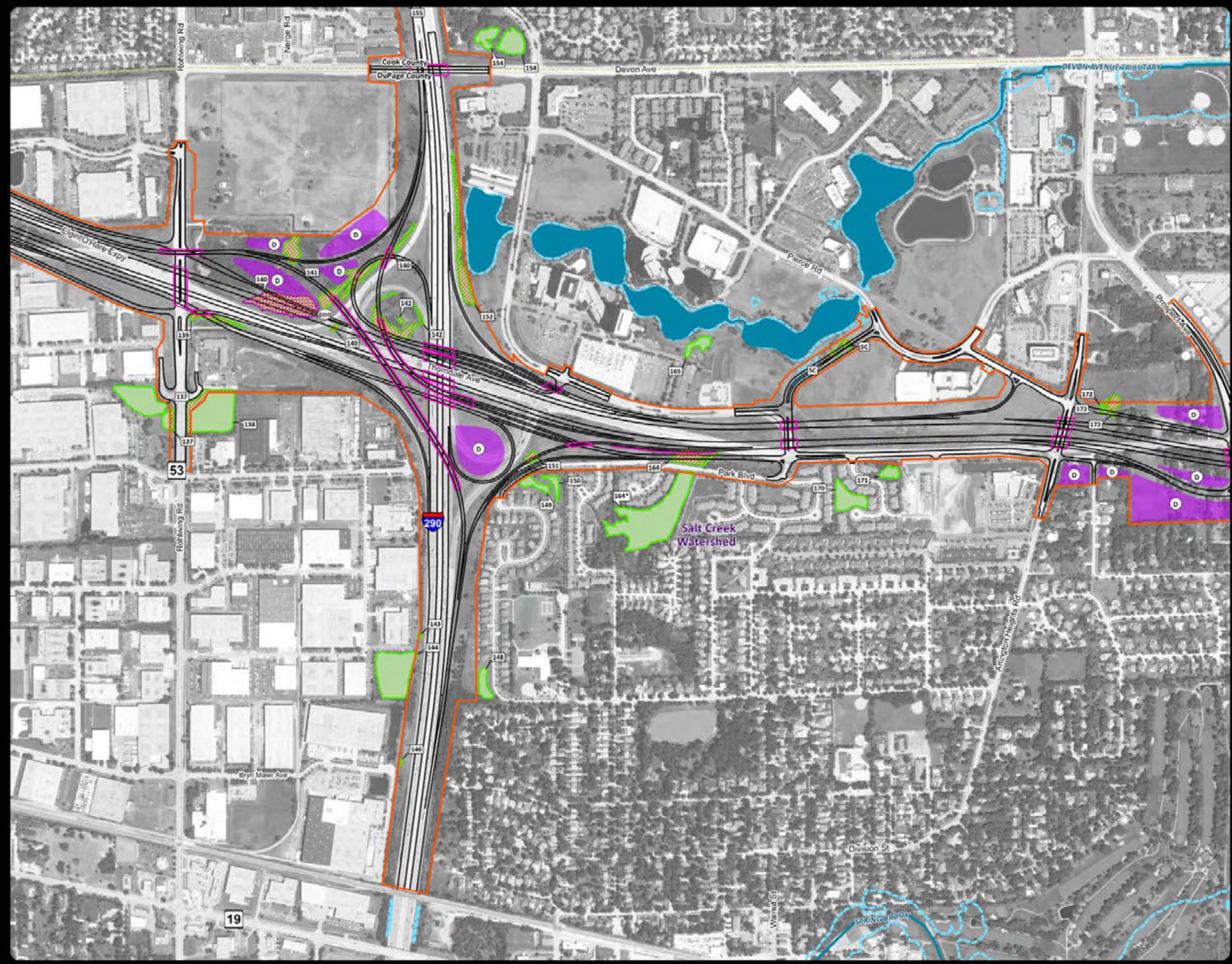
- Impacted Wetland/Waters
- Wetlands
- Mapped Critical Wetlands
- Surface Waters
- 100-Year Floodplain
- Existing Elgin-O'Hare Detention Ponds
- Potential Stormwater Management Facility
 - Compensatory Storage Site
 - Detention Site
 - Pump Station
- Watershed Boundary
- Proposed Edge of Pavement
- Proposed Bridge
- Runway Protection Zone (Proposed and/or Existing)
- O'Hare Airport
- County Boundary
- Project Corridor

Notes:
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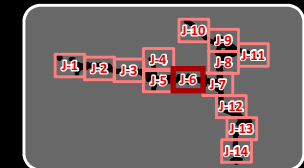
Sources:
 -Wetlands: Matthews et al., 2009; Matthews et al., 2010; Matthews et al., 2011
 -Mapped Critical Wetlands: DuPage County Wetland Inventory, 2006
 -Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
 -100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008



Exhibit J-5
Potential Wetland/
Surface Water Impacts



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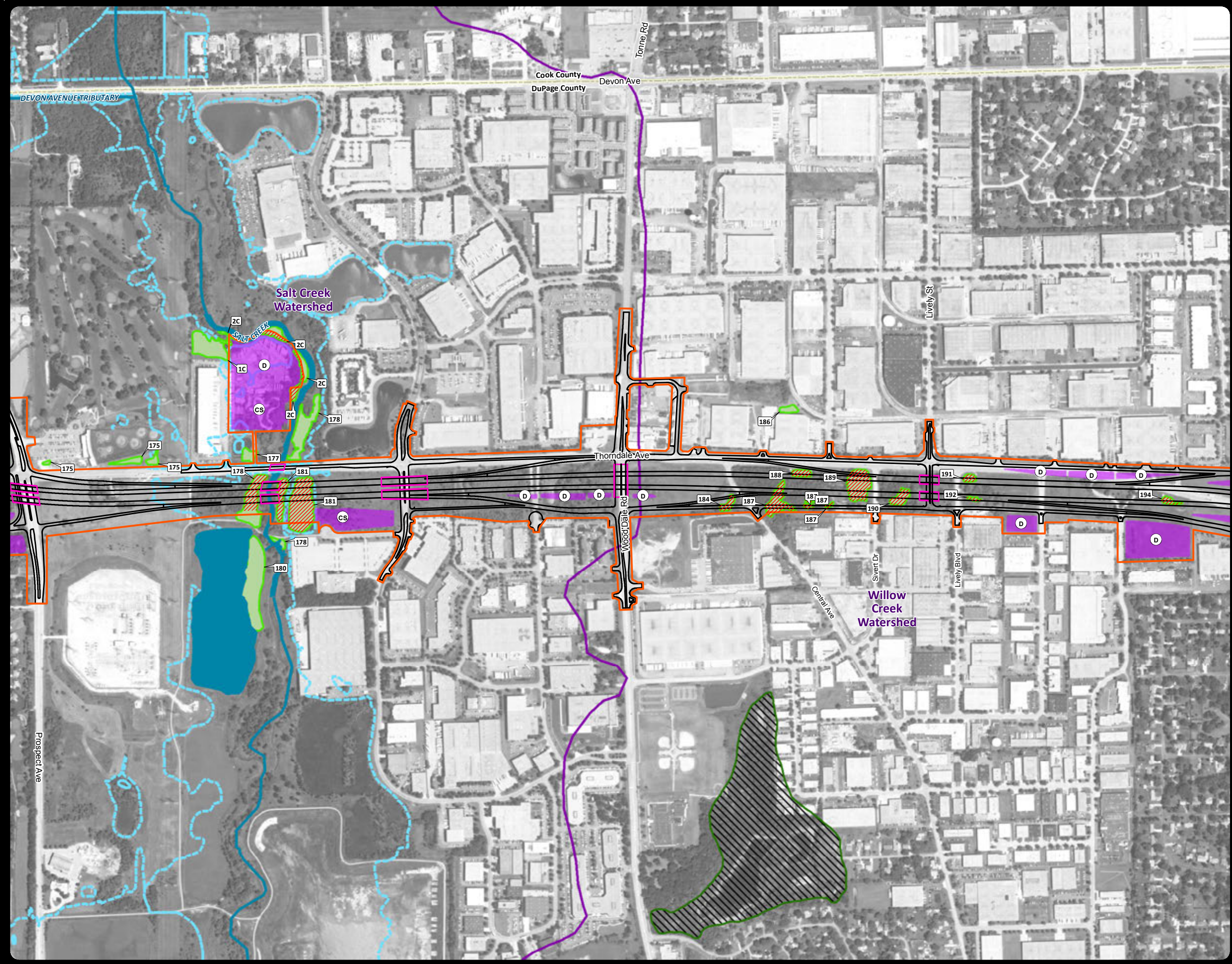
- Impacted Wetland/Waters
- Wetlands
- Mapped Critical Wetlands
- Surface Waters
- 100-Year Floodplain
- Existing Elgin O'Hare Detention Ponds
- Potential Stormwater Management Facility
- Compensatory Storage Site
- Detention Sites
- Pump Station
- Watershed Boundary
- Proposed Edge of Pavement
- Proposed Bridge
- Runway Protection Zone (Proposed and/or Existing)
- O'Hare Airport
- County Boundary
- Project Corridor

Notes:
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 -Mapped Critical Wetlands: DuPage County Wetland Inventory, 2006
 -Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Mathews and Zercher, 2010; and Mathews, et al., 2011
 -100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008




















Exhibit J-6
Potential Wetland/
Surface Water Impacts





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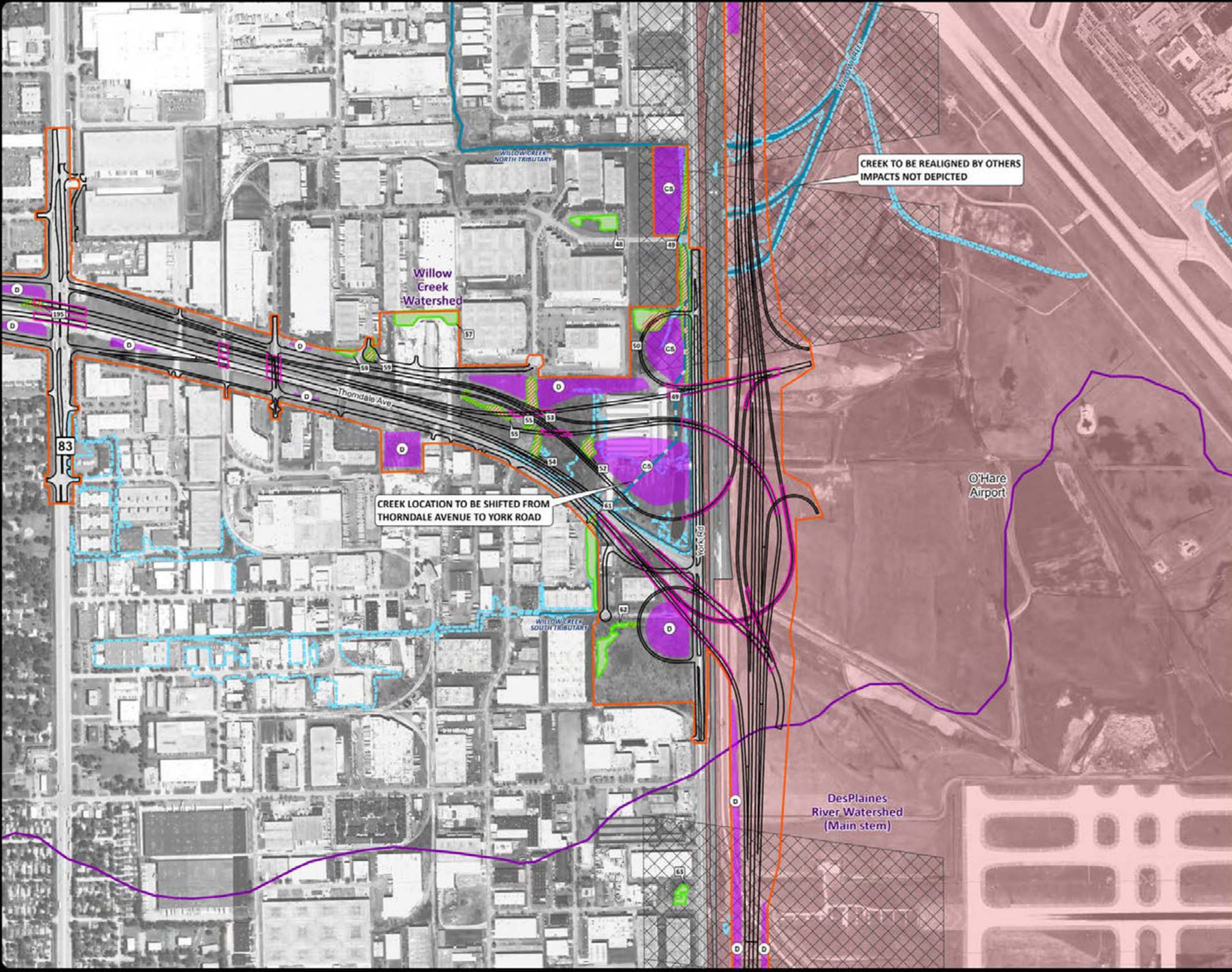
-  Impacted Wetland/Waters
-  Wetlands
-  Mapped Critical Wetlands
-  Surface Waters
-  100-Year Floodplain
-  Existing Elgin-O'Hare Detention Ponds
-  Potential Stormwater Management Facility
-  Compensatory Storage Site
 -  Detention Site
 -  Pump Station
-  Watershed Boundary
-  Proposed Edge of Pavement
-  Proposed Bridge
-  Runway Protection Zone (Proposed and/or Existing)
-  O'Hare Airport
-  County Boundary
-  Project Corridor

Notes:
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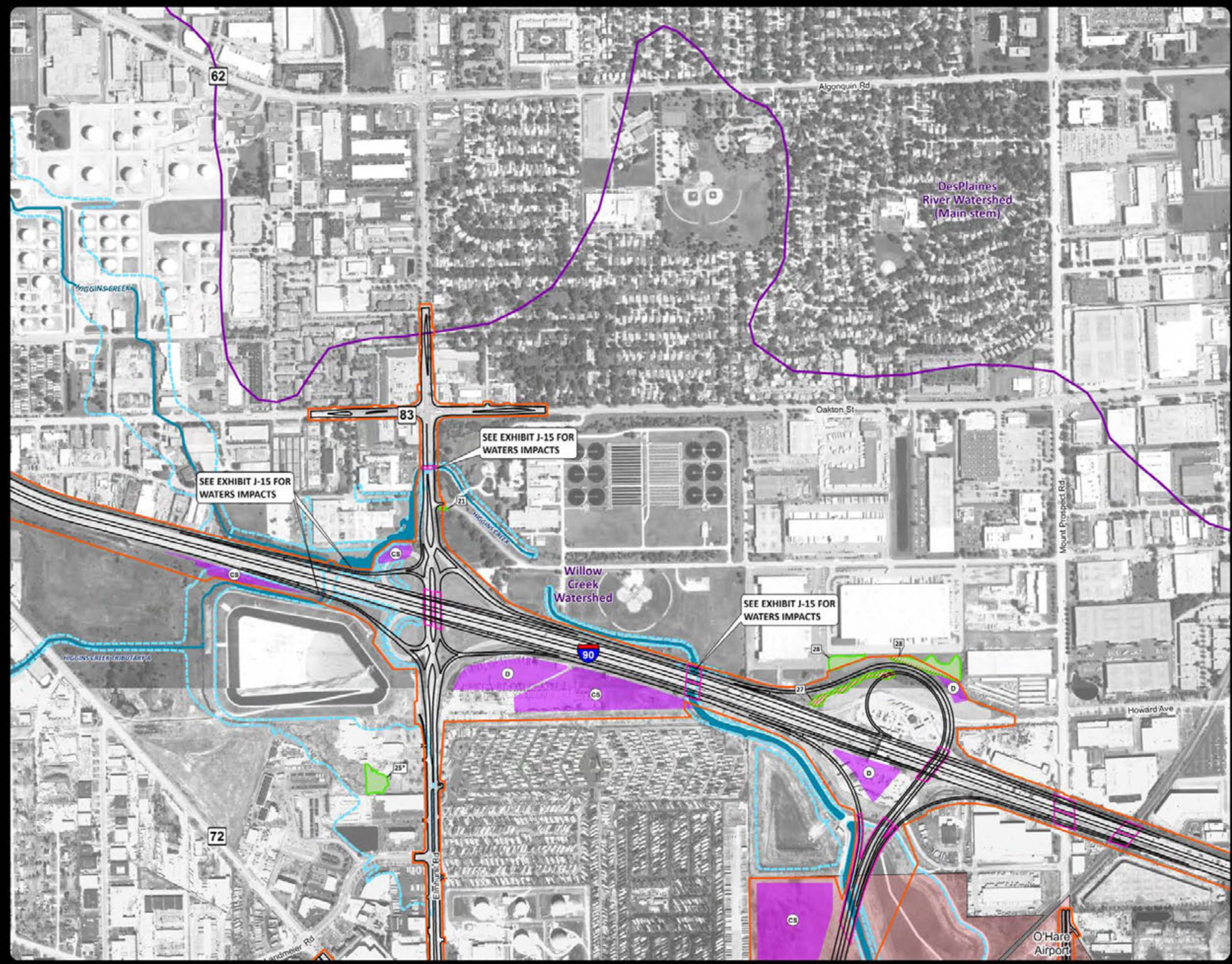
Sources:
 -Wetlands: Matthews et al., 2009; Matthews et al., 2010; Matthews et al., 2011
 -Mapped Critical Wetlands: DuPage County Wetland Inventory, 2006
 -Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
 -100-Year Floodplain: CBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008



Exhibit J-7
Potential Wetland/
Surface Water Impacts



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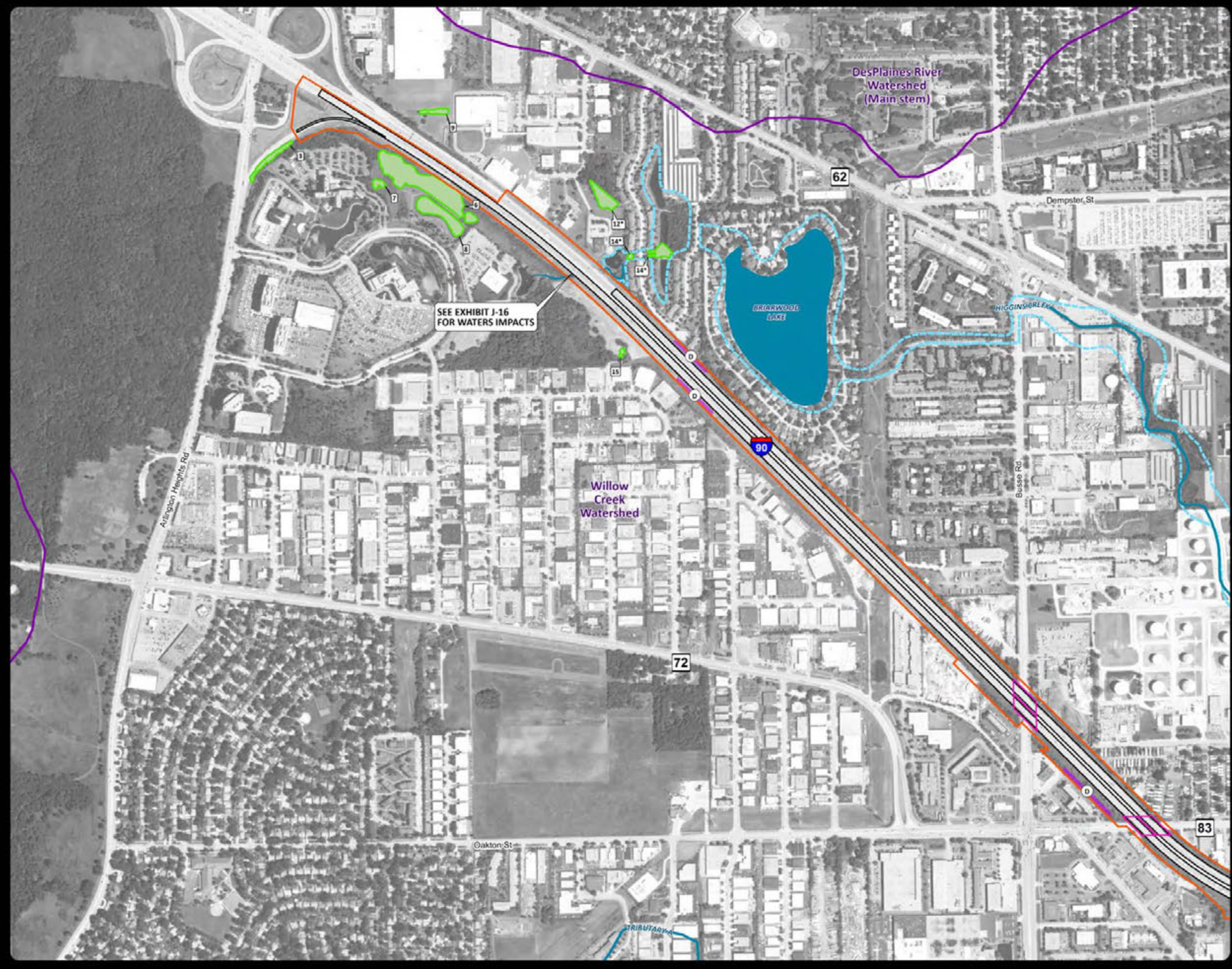
- Impacted Wetland/Waters
- Wetlands
- Mapped Critical Wetlands
- Surface Waters
- 100-Year Floodplain
- Existing Elgin-O'Hare Detention Ponds
- Potential Stormwater Management Facility
 - Compensatory Storage Site
 - Detention Site
 - Pump Station
- Watershed Boundary
- Proposed Edge of Pavement
- Proposed Bridge
- Runway Protection Zone (Proposed and/or Existing)
- O'Hare Airport
- County Boundary
- Project Corridor

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 -Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
 -100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008



Exhibit J-9
Potential Wetland/
Surface Water Impacts



SEE EXHIBIT J-16 FOR WATERS IMPACTS

LEGEND

- Impacted Wetland/Waters
- Wetlands
- Mapped Critical Wetlands
- Surface Waters
- 100-Year Floodplain
- Existing Elgin-O'Hare Detention Ponds
- Potential Stormwater Management Facility
 - Compensatory Storage Site
 - Detention Site
 - Pump Station
- Watershed Boundary
- Proposed Edge of Pavement
- Proposed Bridge
- Runway Protection Zone (Proposed and/or Existing)
- O'Hare Airport
- County Boundary
- Project Corridor

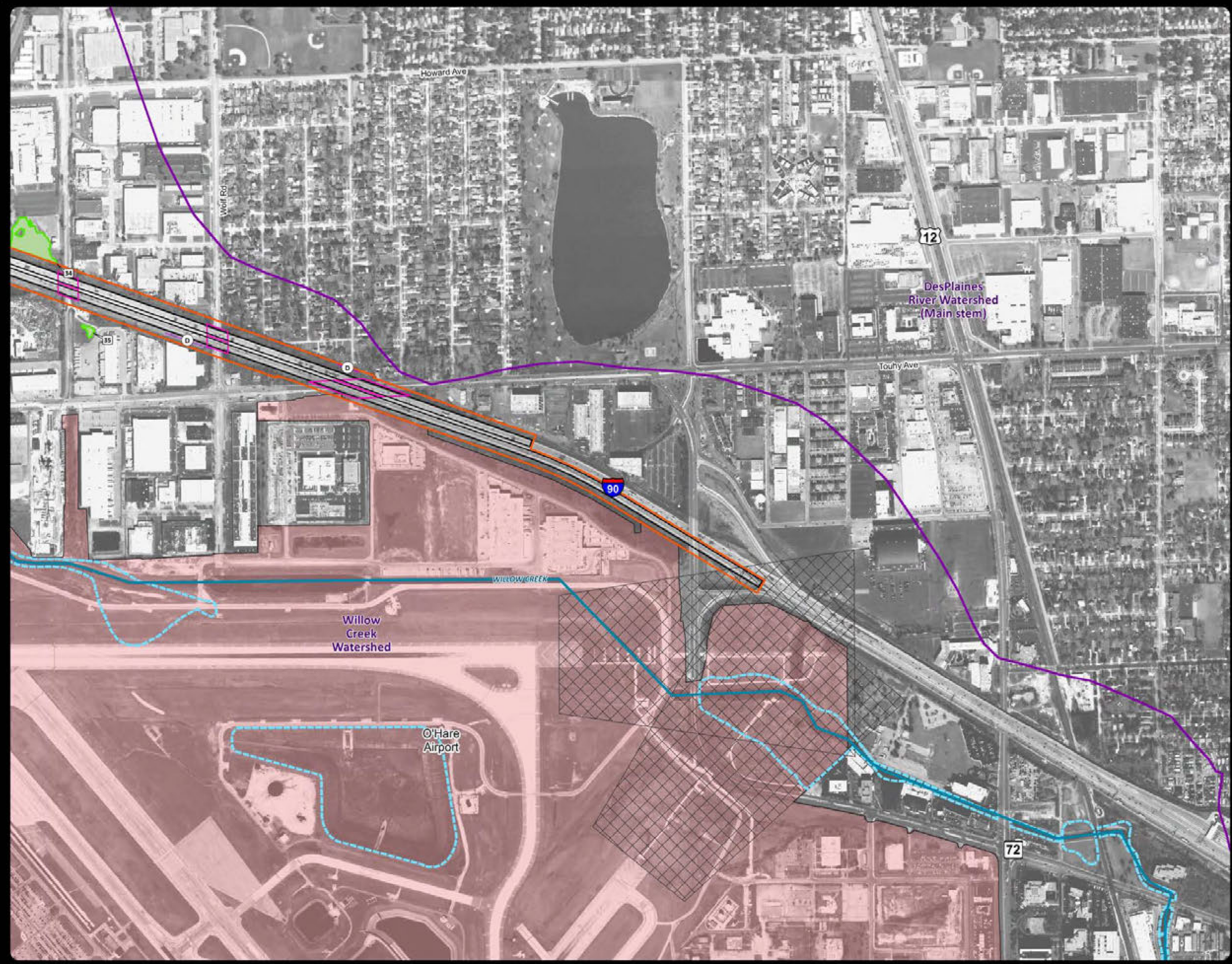
Notes:
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-Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
-100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
-Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
-Watershed Boundary: IEPA, 2002
-Runway Protection Zone: City of Chicago, 2003
-O'Hare Airport: City of Chicago, 2003
-Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
-County Boundary: Tele Atlas North America, Inc., 2008



Exhibit J-10
Potential Wetland/
Surface Water Impacts

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LEGEND

- Impacted Wetland/Waters
- Wetlands
- Mapped Critical Wetlands
- Surface Waters
- 100-Year Floodplain
- Existing Elgin-O'Hare Detention Ponds
- Potential Stormwater Management Facility
 - Compensatory Storage Site
 - Detention Site
 - Pump Station
- Watershed Boundary
- Proposed Edge of Pavement
- Proposed Bridge
- Runway Protection Zone (Proposed and/or Existing)
- O'Hare Airport
- County Boundary
- Project Corridor

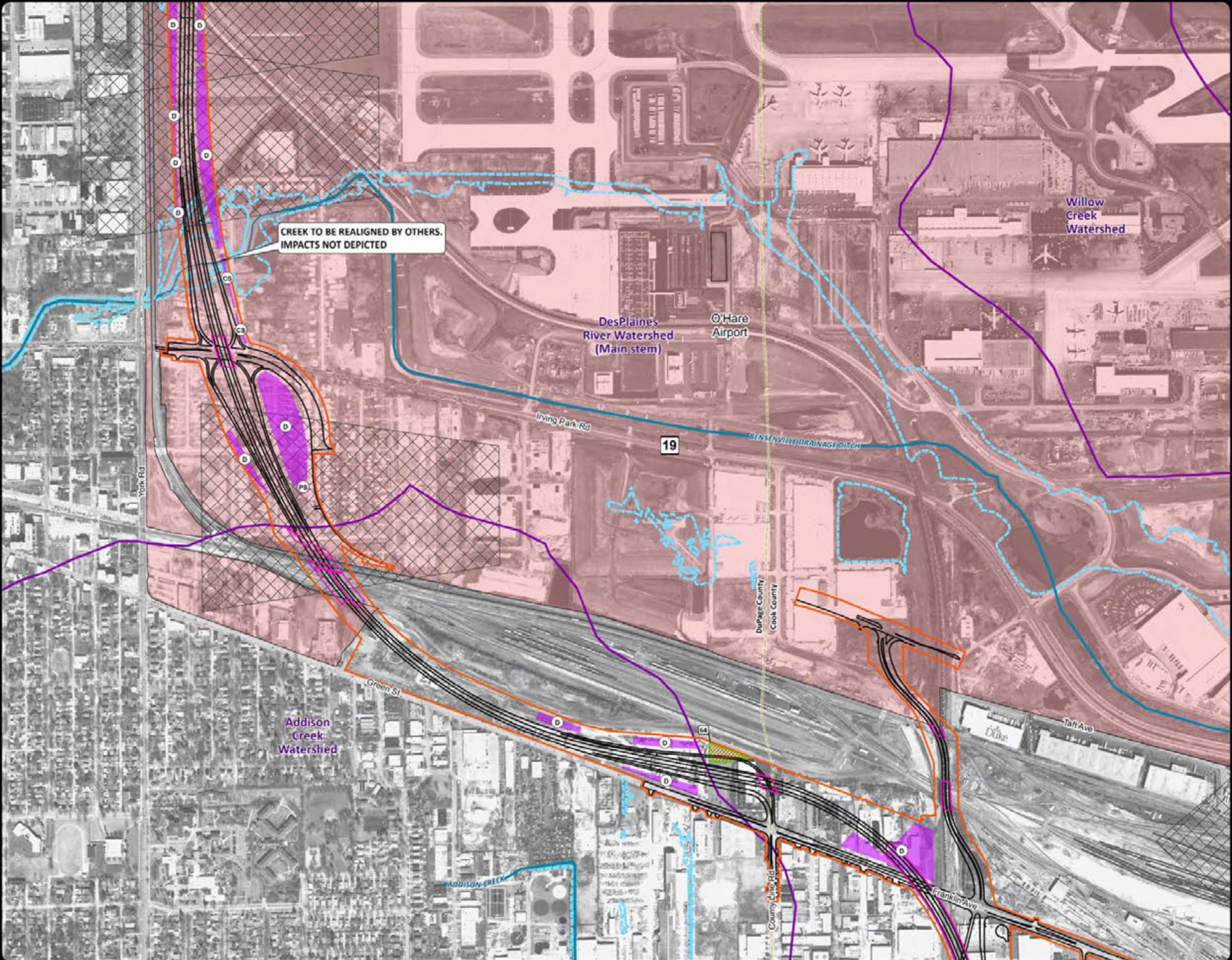
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 -Mapped Critical Wetlands: DuPage County Wetland Inventory, 2006
 -Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
 -100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008



Exhibit J-11
Potential Wetland/
Surface Water Impacts

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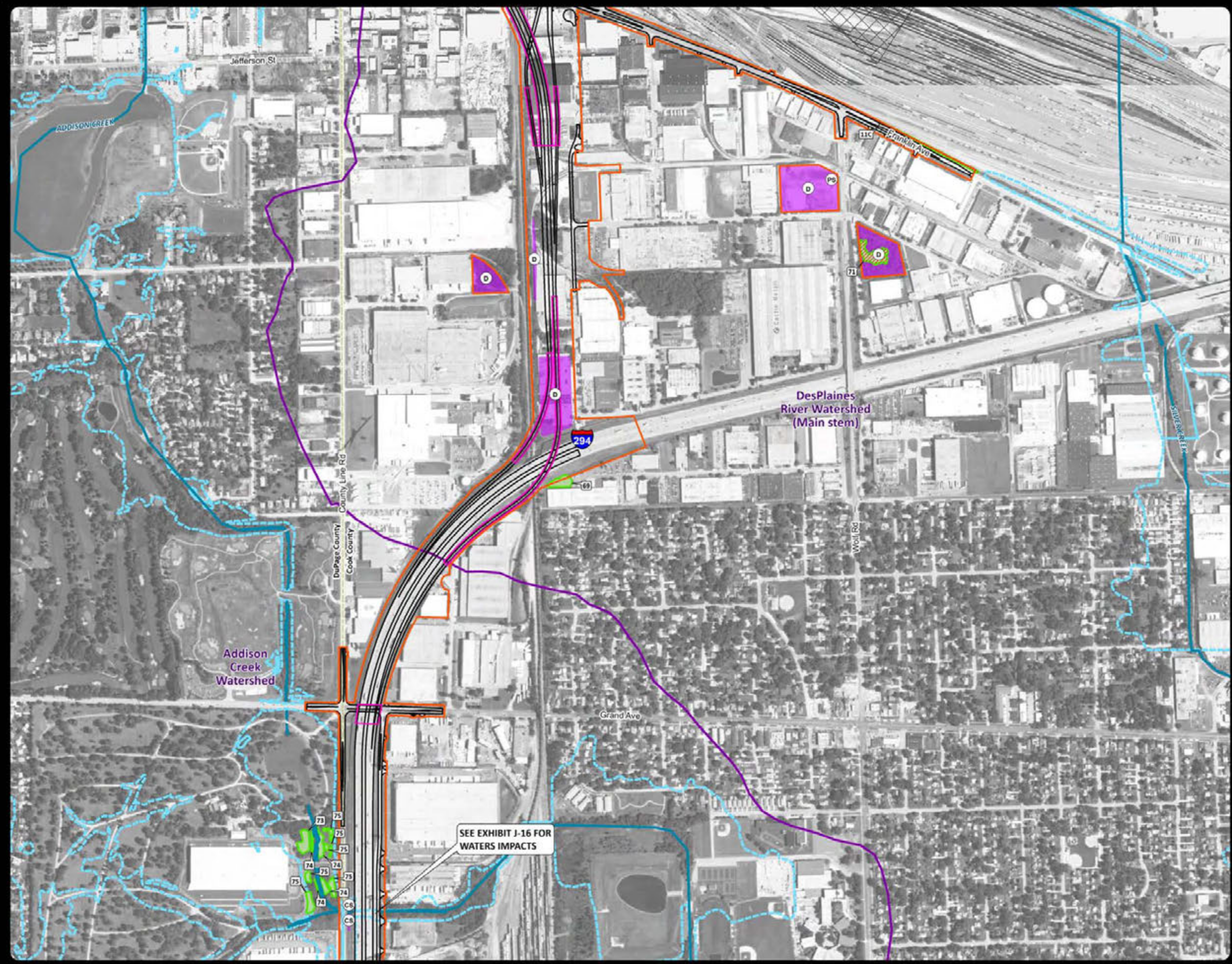
- Impacted Wetland/Waters
- Wetlands
- Mapped Critical Wetlands
- Surface Waters
- 100-Year Floodplain
- Existing Elgin-O'Hare Detention Ponds
- Potential Stormwater Management Facility
 - Compensatory Storage Site
 - Detention Site
 - Pump Station
- Watershed Boundary
- Proposed Edge of Pavement
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 -Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
 -100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008



Exhibit J-12
Potential Wetland/
Surface Water Impacts



LEGEND

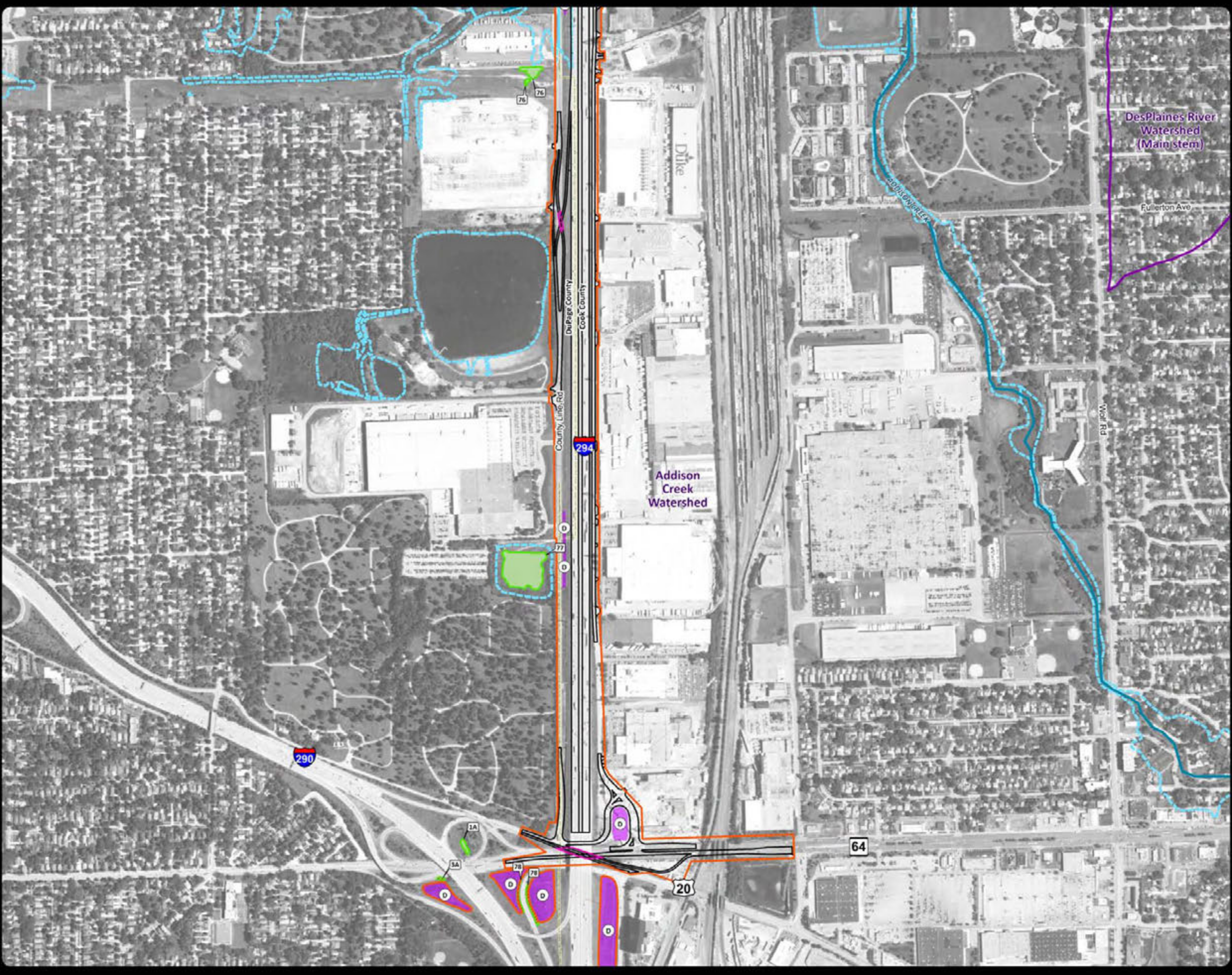
- Impacted Wetland/Waters
- Wetlands
- Mapped Critical Wetlands
- Surface Waters
- 100-Year Floodplain
- Existing Elgin-O'Hare Detention Ponds
- Potential Stormwater Management Facility
 - Compensatory Storage Site
 - Detention Site
 - Pump Station
- Watershed Boundary
- Proposed Edge of Pavement
- Proposed Bridge
- Runway Protection Zone (Proposed and/or Existing)
- O'Hare Airport
- County Boundary
- Project Corridor

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 -Mapped Critical Wetlands: DuPage County Wetland Inventory, 2006
 -Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
 -100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008



Exhibit J-13
Potential Wetland/
Surface Water Impacts



LEGEND

- Impacted Wetland/Waters
- Wetlands
- Mapped Critical Wetlands
- Surface Waters
- 100-Year Floodplain
- Existing Elgin-O'Hare Detention Ponds
- Potential Stormwater Management Facility
 - Compensatory Storage Site
 - Detention Site
 - Pump Station
- Watershed Boundary
- Proposed Edge of Pavement
- Proposed Bridge
- Runway Protection Zone (Proposed and/or Existing)
- O'Hare Airport
- County Boundary
- Project Corridor

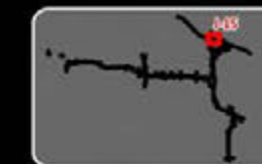
Notes:
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 -Mapped Critical Wetlands: DuPage County Wetland Inventory, 2006
 -Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
 -100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008



Exhibit J-14
Potential Wetland/
Surface Water Impacts

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LEGEND

- Impacted Wetland/Waters
- Wetlands
- Mapped Critical Wetlands
- Surface Waters
- 100-Year Floodplain
- Existing Elgin-O'Hare Detention Ponds
- Potential Stormwater Management Facility
 - Compensatory Storage Site
 - Detention Site
 - Pump Station
- Watershed Boundary
- Proposed Edge of Pavement
- Proposed Bridge
- Runway Protection Zone (Proposed and/or Existing)
- O'Hare Airport
- County Boundary
- Project Corridor

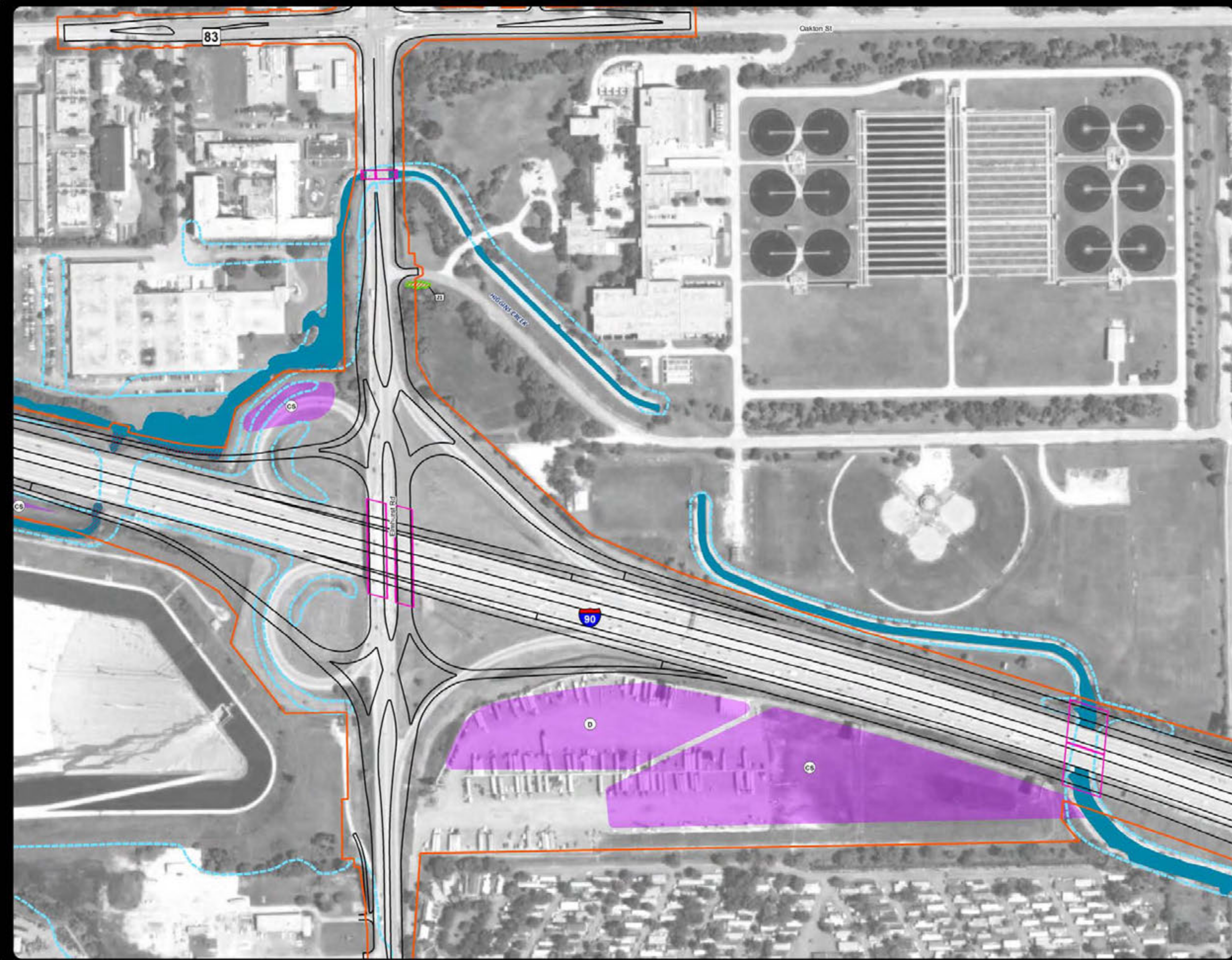
Notes:
 -Wetland Id numbers with an * represent wetlands that extend beyond the limits of this study (i.e., the entire wetland is not shown).
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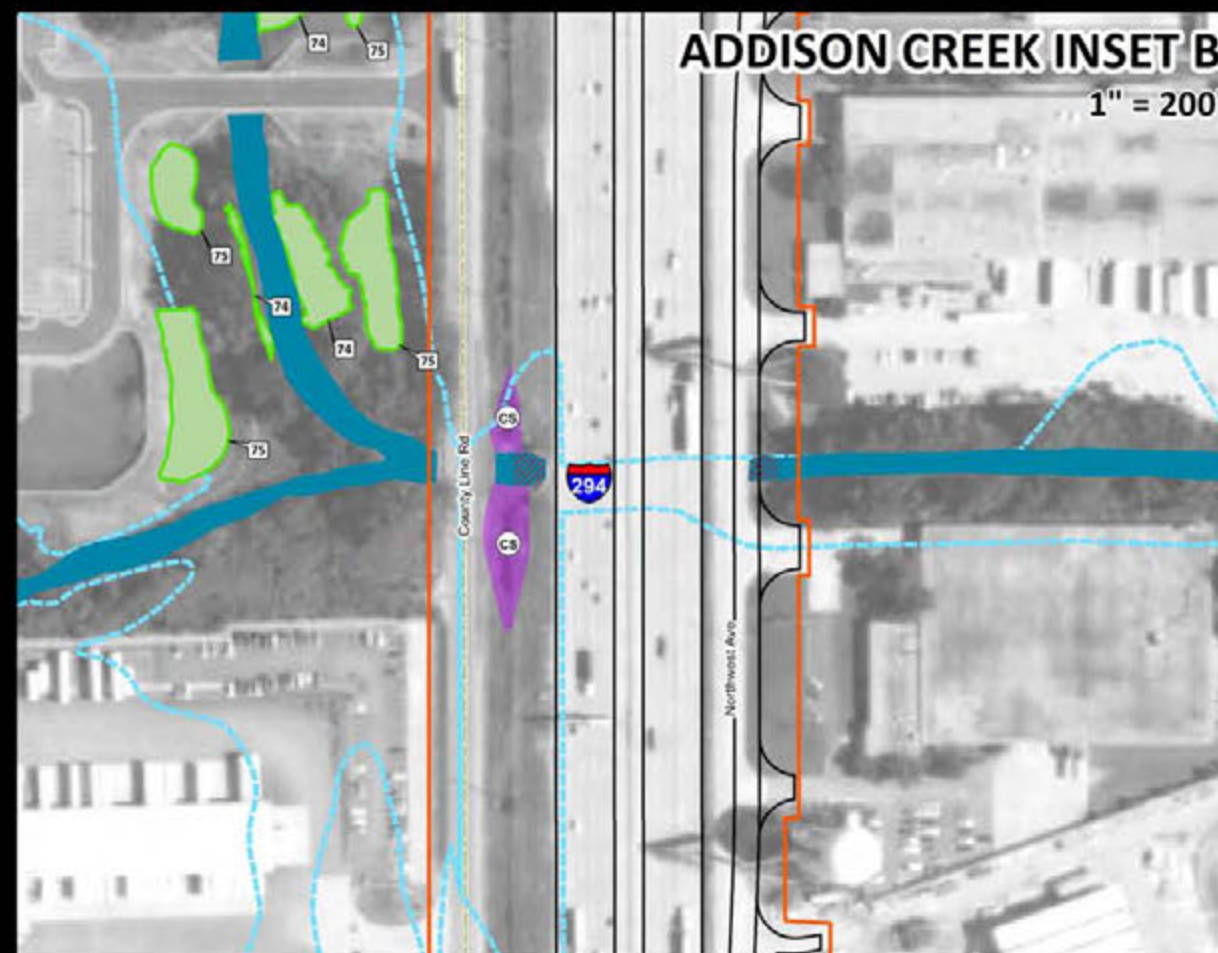
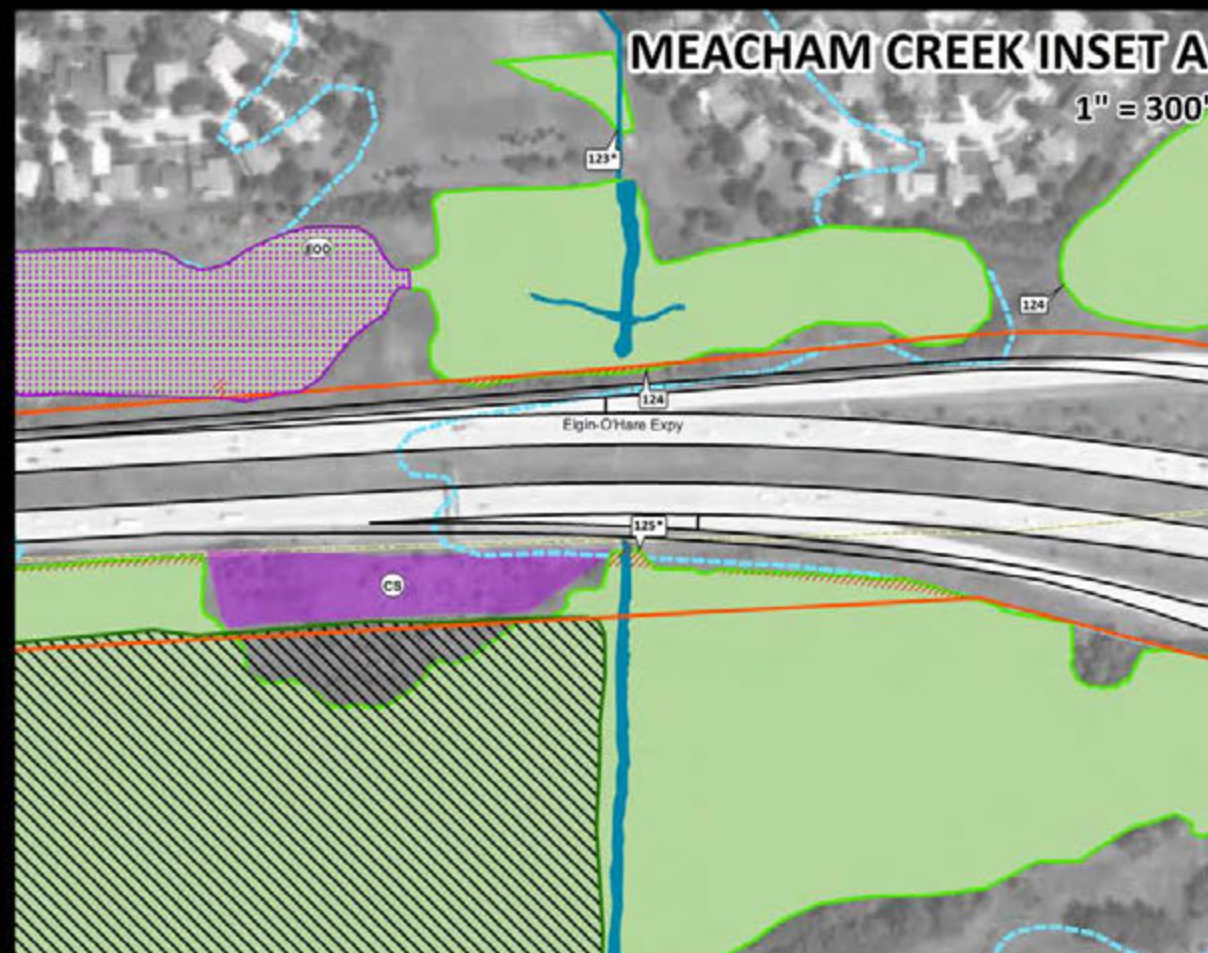
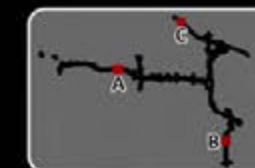
Sources:
 -Wetlands: Matthews et al., 2009; Matthews et al., 2010; Matthews et al., 2011
 -Mapped Critical Wetlands: DuPage County Wetland Inventory, 2006
 -Surface Waters: Cook County, 2006; DuPage County, 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
 -100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008



Exhibit J-15
Potential Wetland/
Surface Water Impacts

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- #### LEGEND
- Impacted Wetland/Waters
 - Wetlands
 - Mapped Critical Wetlands
 - Surface Waters
 - 100-Year Floodplain
 - Existing Elgin-O'Hare Detention Ponds
 - Potential Stormwater Management Facility
 - Compensatory Storage Site
 - Detention Site
 - Pump Station
 - Watershed Boundary
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 -Mapped Critical Wetlands: DuPage County Wetland Inventory, 2006
 -Surface Waters: Cook County, 2006; DuPage County 2009; IEPA, 2006; Matthews and Zercher, 2010; and Matthews, et al., 2011
 -100-Year Floodplain: CBBEL, 2006; FEMA, 1993; FEMA, 2004; FEMA, 2008
 -Existing Elgin-O'Hare Expressway Detention Ponds: Elgin-O'Hare Expressway General Layout Plan, undated
 -Watershed Boundary: IEPA, 2002
 -Runway Protection Zone: City of Chicago, 2003
 -O'Hare Airport: City of Chicago, 2003
 -Aerial photography: Airphoto USA, 2008; City of Chicago, 2009
 -County Boundary: Tele Atlas North America, Inc., 2008

