

STRUCTURE NO	ROAD	STATION	OFFSET	LT/RT	RIM ELEV.	STRUCTURE TYPE	PAY ITEM NUMBER	NORTH	SOUTH	EAST	WEST	NE	SE	SW	NW	NOTES
CATCH BASIN 100A	I80	308+65	1.50	LT	571.31	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	561.50	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 101A	I80	310+89	1.50	LT	570.32	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	561.20	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 102A	I80	313+40	1.50	LT	569.21	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	561.00	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 103A	I80	316+50	1.50	LT	567.93	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	561.00	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 105A	I80	324+00	1.50	LT	567.53	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	564.00	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 106A	I80	327+00	1.50	LT	574.11	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	565.20	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 107A	I80	330+62	1.50	LT	584.17	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	577.5	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 108A	I80	333+51	1.50	LT	591.91	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	582.5	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 109A	I80	336+50	1.50	LT	598.57	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	588.50	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 110A	I80	340+50	1.50	LT	605.05	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	599.88	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 111A	I80	343+50	1.50	LT	608.75	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	599.88	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 111A.1	I80	345+50	1.50	LT	610.96	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	605.85	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 112A	I80	347+50	1.50	LT	612.52	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	598.00	0.00	0.00	0.00	0.00	0.00	0.00	
HW 104	I80	347+50	164.93	RT	595.17	CONCRETE END SECTION, STANDARD 542001, 30", 1:4	54261430	595.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(54260315) Pipe Grate of 14' 10" needed
HW100	I80	313+40	121.88	RT	556.60	CONCRETE END SECTION, STANDARD 542001, 24", 1:4	54261424	556.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
HW102	I80	321+50	119.59	LT	555.00	CONCRETE END SECTION, STANDARD 542001, 24", 1:4	54261424	0.00	555.00	0.00	0.00	0.00	0.00	0.00	0.00	
HW103	I80	330+61	107.25	RT	577.00	CONCRETE END SECTION, STANDARD 542001, 24", 1:4	54261424	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN100	I80	308+65	1.50	RT	571.31	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	561.20	0.00	561.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 101	I80	310+89	1.50	RT	570.32	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	561.00	0.00	559.75	560.00	0.00	0.00	0.00	0.00	
MH102	I80	313+40	1.50	RT	569.21	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 20 FRAME AND GRATE	60224035	560.50	558.95	558.95	558.95	0.00	0.00	0.00	0.00	
MH 104A	I80	321+50	1.50	LT	566.16	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 20 FRAME AND GRATE	60224035	558.00	558.00	558.00	558.00	0.00	0.00	0.00	0.00	
CATCH BASIN 105	I80	324+00	1.50	RT	567.53	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 20 FRAME AND GRATE	60205010	563.95	0.00	563.00	560.04	0.00	0.00	0.00	0.00	
CATCH BASIN 106	I80	327+00	1.50	RT	574.11	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	564.90	0.00	0.00	564.00	0.00	0.00	0.00	0.00	
CATCH BASIN 107	I80	330+62	1.50	RT	584.17	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 20 FRAME AND GRATE	60205010	577.20	578.50	579.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 108	I80	333+50	1.50	RT	591.91	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	582.00	0.00	584.50	581.50	0.00	0.00	0.00	0.00	
CATCH BASIN 109	I80	336+50	1.50	RT	598.57	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	588.45	0.00	0.00	587.50	0.00	0.00	0.00	0.00	
CATCH BASIN 110	I80	340+50	1.50	RT	605.05	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	598.50	0.00	599.88	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 111	I80	343+50	1.50	RT	608.75	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	598.50	0.00	599.88	598.50	0.00	0.00	0.00	0.00	
CATCH BASIN 111.1	I80	345+50	1.50	RT	610.96	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 20 FRAME AND GRATE	60205010	605.82	0.00	597.00	597.00	0.00	0.00	0.00	0.00	
MH 112	I80	347+50	1.50	RT	612.52	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 20 FRAME AND GRATE	60224035	597.95	569.00	0.00	596.00	0.00	0.00	0.00	0.00	
MH 116	I80	321+50	1.50	RT	565.80	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 20 FRAME AND GRATE	60224035	558.10	0.00	558.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN103	I80	316+50	1.50	RT	567.93	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	560.80	0.00	0.00	560.00	0.00	0.00	0.00	0.00	
CATCH BASIN 200A	I80	354+61	1.50	LT	312.04	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	602.10	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 201A	I80	362+59	1.50	LT	600.80	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	589.50	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 202A	I80	365+59	1.50	LT	593.64	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	586.10	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 203A	I80	368+59	1.50	LT	585.16	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	582.10	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 204A	I80	372+00	1.50	LT	575.37	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	566.50	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 205A	I80	375+00	1.50	LT	566.77	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	559.10	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 206A	I80	378+00	1.50	LT	559.66	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	553.10	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 207A	I80	380+75	1.50	LT	555.72	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	547.35	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 207.1A	I80	381+17	1.50	LT	555.31	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	547.35	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 208A	I80	383+75	1.50	LT	554.22	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	550.10	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 209A	I80	388+36	1.50	LT	555.97	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	549.10	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 210A	I80	391+50	1.50	LT	557.00	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	551.30	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 211A	I80	394+50	1.50	LT	559.60	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	554.20	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 212A	I80	397+50	1.50	LT	562.54	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	557.20	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 213A	I80	400+50	1.50	LT	565.47	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	560.70	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 214A	I80	406+00	1.50	LT	570.85	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	567.00	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 215A	I80	408+80	1.50	LT	573.50	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	569.10	0.00	0.00	0.00	0.00	0.00	0.00	
HW203	I80	368+59	109.23	RT	577.66	CONCRETE END SECTION, STANDARD 542001, 30", 1:4	54261430	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(54260315) Pipe Grate of 14' 10" needed
HW1	I80	383+75	110.00	RT	543.16	CONCRETE END SECTION, STANDARD 542001, 30", 1:4	54261430	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(54260315) Pipe Grate of 14' 10" needed
HW2	I80	388+35	120.90	RT	546.50	CONCRETE END SECTION, STANDARD 542001, 30", 1:4	54261430	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(54260315) Pipe Grate of 14' 10" needed
HW3	I80	406+00	101.39	RT	565.48	CONCRETE END SECTION, STANDARD 542001, 30", 1:4	54261430	564.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(54260315) Pipe Grate of 14' 10" needed
HW4	I80	354+61	120.90	RT	546.50	CONCRETE END SECTION, STANDARD 542001, 24", 1:3	54261324	600.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CATCH BASIN 200	I80	354+61	1.50	RT	312.04	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	602.00	600.50	0.00	0.00	0.00	0.00	0.00	0.00	
MH 201	I80	362+59	1.50	RT	600.80	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60219510	589.00	0.00	588.00	0.00	0.00	0.00	0.00	0.00	
MH 202	I80	365+59	1.50	RT	593.64	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60219510	586.00	0.00	585.60	586.00	0.00	0.00	0.00	0.00	
MH 203	I80	368+59	1.50	RT	585.16	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 20 FRAME AND GRATE	60222210	582.00	579.91	0.00	580.00	0.00	0.00	0.00	0.00	
CATCH BASIN 204	I80	372+00	1.50	RT	575.37	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	566.00	0.00	565.50	0.00	0.00	0.00	0.00	0.00	
MH 205	I80	375+00	1.50	RT	566.77	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60219510	559.00	0.00	557.50	561.00	0.00	0.00	0.00	0.00	
MH 206	I80	378+00	1.50	RT	559.66	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 20 FRAME AND GRATE	60222210	553.00	0.00	552.00	554.50	0.00	0.00	0.00	0.00	
CATCH BASIN 207	I80	380+75	1.50	RT	555.72	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 20 FRAME AND GRATE	60205010	547.25	0.00	548.25	550.00	0.00	0.00	0.00	0.00	
CATCH BASIN 207.1	I80	381+17	1.50	RT	555.31	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	547.25	0.00	548.25	548.25	0.00	0.00	0.00	0.00	
CATCH BASIN 208.1	I80	384+00	1.50	RT	554.21	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	60201310	0.00	0.00	0.00	548.50	0.00	0.00	0.00	0.00	
MH 208	I80	383+75	1.50	RT	554.22	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 20 FRAME AND GRATE	60224035	550.00	547.25	0.00	547.25	0.00	0.00	0.00	0.00	
MH 209	I80	388+36	1.50	RT	555.97	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 20 FRAME AND GRATE	60224035	549.00	547.50	0.00	547.50	0.00	0.00	0.00	0.00	
CATCH BASIN 210	I80	391+50	1.50	RT	557.00	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 20 FRAME AND GRATE	60205010	551.20	0.00	550.00	549.50	0.00	0.00	0.00	0.00	

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STRUCTURE NO	ROAD	STATION	OFFSET	LT/RT	RIM ELEV.	STRUCTURE TYPE	PAY ITEM NUMBER	NORTH	SOUTH	EAST	WEST	NE	SE	SW	NW	NOTES
PHW1	180	349+75	212.67	RT	583.00	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	54213675	0.00	0.00	0.00	583.50	0.00	0.00	0.00	0.00	
PHW3	180	353+09	408.58	RT	581.90	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	54213681	0.00	581.90	0.00	0.00	0.00	0.00	0.00	0.00	
PHW4	180	353+26	537.30	RT	581.20	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	54213681	0.00	0.00	0.00	0.00	0.00	0.00	0.00	581.20	
PMH1	180	353+09	452.08	LT	589.00	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, OPEN LIDS, RESTRICTOR PLATE	X0325034	581.80	0.00	0.00	0.00	0.00	581.80	0.00	0.00	
HWFR	180	340+00	193.80	LT	578.05	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	54214509	0.00	0.00	0.00	577.85	0.00	0.00	0.00	0.00	
HWFR1	180	339+43	202.20	LT	577.85	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	54214509	0.00	0.00	578.05	0.00	0.00	0.00	0.00	0.00	
HWFR2	180	339+99	188.56	LT	578.05	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	54214509	0.00	0.00	0.00	577.85	0.00	0.00	0.00	0.00	
HWFR3	180	339+42	197.40	LT	577.85	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	54214509	0.00	0.00	578.05	0.00	0.00	0.00	0.00	0.00	
HWFR4	180	339+13	192.72	LT	577.82	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	54213681	0.00	0.00	0.00	0.00	0.00	0.00	577.82	0.00	
HWFR5	180	329+07	96.94	LT	572.00	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	54213681	0.00	0.00	572.00	0.00	0.00	0.00	0.00	0.00	
MHFR1	180	338+43	142.70	LT	591.00	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100	0.00	0.00	0.00	577.00	577.00	0.00	0.00	0.00	
MHFR2	180	336+01	135.25	LT	586.50	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100	0.00	581.50	576.40	576.40	0.00	0.00	0.00	0.00	
MHFR3	180	333+23	124.93	LT	583.50	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100	0.00	579.00	574.94	0.00	0.00	0.00	574.94	0.00	
MHFR4	180	331+17	109.94	LT	582.50	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100	0.00	0.00	572.20	572.20	0.00	0.00	0.00	0.00	
RW1	180	382+00	102.06	RT	551.85	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	60203805	0.00	545.00	0.00	0.00	0.00	0.00	0.00	0.00	
RW2	180	383+75	98.56	RT	551.29	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	60203805	0.00	546.49	0.00	0.00	0.00	0.00	0.00	0.00	
RW3	180	386+29	94.93	RT	551.17	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	60203805	0.00	546.70	0.00	0.00	0.00	0.00	0.00	0.00	
RW4	180	383+75	92.71	LT	550.17	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	60203805	546.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
RW5	180	385+76	92.72	LT	550.29	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	60203805	547.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
RW OPENING	180	382+00	110.13	RT	551.85	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"/ RETAINING WALL OPENING	54214500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
RW2 OPENING	180	383+75	106.63	RT	546.20	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"/ RETAINING WALL OPENING	54213675	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
RW3 OPENING	180	386+29	102.46	RT	546.90	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"/ RETAINING WALL OPENING	54214500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
RW4 OPENING	180	383+75	101.41	LT	547.00	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"/ RETAINING WALL OPENING	54214500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
RW5 OPENING	180	385+76	101.42	LT	547.30	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"/ RETAINING WALL OPENING	54214500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
HW215N	180	406+14	91.03	LT	563.20	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	54214509	0.00	0.00	0.00	563.20	0.00	0.00	0.00	0.00	
HWFR10	180	340+03	147.34	RT	581.05	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	54214509	0.00	0.00	0.00	581.05	0.00	0.00	0.00	0.00	
HWFR11	180	339+37	141.00	RT	580.85	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	54214509	0.00	0.00	580.85	0.00	0.00	0.00	0.00	0.00	
HWFR12	180	340+01	152.81	RT	581.05	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	54214509	0.00	0.00	0.00	581.05	0.00	0.00	0.00	0.00	
HWFR13	180	339+37	146.48	RT	580.85	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	54214509	0.00	0.00	580.85	0.00	0.00	0.00	0.00	0.00	
CBRA	180	340+40	71.82	LT	606.27	CATCH BASINS, TYPE C, 5, TYPE 1 FRAME OPEN LID	60206905	0.00	601.27	0.00	0.00	0.00	0.00	0.00	0.00	
CBRD	180	333+25	53.64	LT	590.82	CATCH BASINS, TYPE C, 5, TYPE 1 FRAME OPEN LID	60206905	579.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CBRD1	180	336+00	55.98	LT	596.87	CATCH BASINS, TYPE C, 5, TYPE 1 FRAME OPEN LID	60206905	582.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CBRD2	180	338+50	64.81	LT	601.43	CATCH BASINS, TYPE C, 5, TYPE 1 FRAME OPEN LID	60206905	0.00	0.00	0.00	0.00	0.00	0.00	0.00	596.20	
CBRDD	180	352+48	63.50	LT	614.22	CATCH BASINS, TYPE C, 5, TYPE 1 FRAME OPEN LID	60206905	0.00	0.00	0.00	0.00	609.38	0.00	0.00	0.00	
HWRA	180	340+42	128.00	LT	599.00	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	54214500	599.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
HWRD2	180	338+45	124.07	LT	595.50	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	54214500	0.00	595.50	0.00	0.00	0.00	0.00	0.00	0.00	
HWRDD	180	352+68	114.50	LT	609.00	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	54214500	0.00	0.00	0.00	0.00	0.00	0.00	609.00	0.00	
HW15	180	355+83	181.11	LT	581.60	CONCRETE END SECTION, STANDARD 542001, 36", 1:4	54261436	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
HW16	180	355+83	141.08	RT	579.95	CONCRETE END SECTION, STANDARD 542001, 36", 1:4	54261436	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
HW17	180	355+90	180.61	LT	582.30	CONCRETE END SECTION, STANDARD 542001, 36", 1:4	54261436	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
HW18	180	355+90	141.46	RT	579.95	CONCRETE END SECTION, STANDARD 542001, 36", 1:4	54261436	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

PIPE NO.	FROM STRUCTURE	TO STRUCTURE	PAY ITEM DESCRIPTION	PAY ITEM NUMBER	TRENCH BACKFILL (CY)	LENGTH (FT)	SLOPE (%)	MATERIAL	NOTES
SS100	CATCH BASIN 100	CATCH BASIN 101	STORM SEW CL A 3 21	550A0700	345.00	224	0.40%	RCP	
SS101	CATCH BASIN 101	CATCH BASIN 102	STORM SEW CL A 3 24	550A0710	345.40	251	0.30%	RCP	
SS103	CATCH BASIN 102	HW100	STORM SEWERS JKD 24	55200900	43.40	101	2.50%	RCP	
SS102	CATCH BASIN103	CATCH BASIN 102	STORM SEW CL A 2 24	550A0410	338.10	310	0.30%	RCP	
SS112	MH 112	HW 104	STORM SEW CL A 3 30	550A0730	231.30	148	0.30%	RCP	
SS111	CATCH BASIN 111	CATCH BASIN 111.1	STORM SEW CL A 3 24	550A0710	325.30	195.8	1.00%	RPC	
SS111.1	CATCH BASIN 111.1	MH112	STORM SEW CL A 3 24	550A0710	450.00	198.03	1.50%	RPC	
SS110	CATCH BASIN 110	CATCH BASIN 111	STORM SEW CL A 2 18	550A0380	227.90	301	0.50%	RCP	
SS108	CATCH BASIN 109	CATCH BASIN 108	STORM SEW CL A 2 18	550A0380	303.60	300	1.00%	RCP	
SS107	CATCH BASIN 108	CATCH BASIN 107	STORM SEW CL A 2 24	550A0410	232.80	289	0.90%	RCP	
SS109	CATCH BASIN 107	HW103	STORM SEW CL A 2 24	550A0410	17.50	86	1.50%	RCP	
SS106	CATCH BASIN 106	CATCH BASIN 105	STORM SEW CL A 2 24	550A0410	217.20	300	0.30%	RCP	
SS105	CATCH BASIN 105	MH 116	STORM SEW CL A 2 30	550A0430	176.70	250	0.80%	RCP	
SS104	MH 104A	HW102	STORM SEWERS JKD 30	55201100	37.00	89	2.90%	RCP	
SS116A	MH 116	MH 104	STORM SEW CL A 2 30	550A0430	8.00	9	0.00%	RCP	
SS112A	CATCH BASIN 112A	MH 112	STORM SEW CL A 4 15	550A0960	15.90	8	0.17%	RCP	
SS111A	CATCH BASIN 111A	CATCH BASIN 111	STORM SEW CL A 2 15	550A0360	6.50	7	4.30%	RCP	
SS111A.1	CATCH BASIN 111A.1	CATCH BASIN 111.1	STORM SEW CL A 2 15	550A0360	0.70	5	1.00%	RPC	
S110A	CATCH BASIN 110A	CATCH BASIN 110	STORM SEW CL A 2 15	550A0360	1.00	7	0.44%	RCP	
SS109A	CATCH BASIN 109A	CATCH BASIN 109	STORM SEW CL A 3 15	550A0660	8.10	7	2.20%	RCP	
SS108A	CATCH BASIN 108A	CATCH BASIN 108	STORM SEW CL A 2 15	550A0360	7.80	7	7.30%	RCP	
SS107A	CATCH BASIN 107A	CATCH BASIN 107	STORM SEW CL A 2 15	550A0360	2.60	8	4.20%	RCP	

USER NAME = carolina	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1/100,000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/20/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE SCHEDULE	
SCALE:	SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	302
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



Model: D:\full\...
 FILE NAME: p:\transys\transys\comp\p1\hatched\Documents\Projects_2018\C401\401180022\01-StormCAD\M4_04_63828_04-Sheets\06-Drainage\0162528-sh-dtbl\tbl-003.dgn

PIPE NO.	FROM STRUCTURE	TO STRUCTURE	PAY ITEM DESCRIPTION	PAY ITEM NUMBER	TRENCH BACKFILL (CY)	LENGTH (FT)	SLOPE (%)	MATERIAL	NOTES
SS106A	CATCH BASIN 106A	CATCH BASIN 106	STORM SEW CL A 2 15	550A0360	6.50	7	4.30%	RCP	
SS105A	CATCH BASIN 105A	CATCH BASIN 105	STORM SEW CL A 2 15	550A0360	1.10	8	3.60%	RCP	
SS103A	CATCH BASIN 103A	CATCH BASIN 103	STORM SEW CL A 2 15	550A0360	3.30	8	2.80%	RCP	
SS102A	CATCH BASIN 102A1	CATCH BASIN 102	STORM SEW CL A 2 15	550A0360	7.20	8	6.70%	RCP	
SS101A	CATCH BASIN 101A1	CATCH BASIN 101	STORM SEW CL A 2 15	550A0360	6.70	7	2.90%	RCP	
SS100A	CATCH BASIN 100A	CATCH BASIN 100	STORM SEW CL A 2 15	550A0360	7.80	7	4.30%	RCP	
SS200	CATCH BASIN 200	HW4	STORM SEW CL A 2 24	550A0410	14.60	125	0.40%	RCP	
SS201	CATCH BASIN201	CATCH BASIN 202	STORM SEW CL A 3 24	550A0710	388.30	300	0.70%	RCP	
SS202	CATCH BASIN 202	CATCH BASIN 203	STORM SEW CL A 2 24	550A0410	123.90	300	1.30%	RCP	
SS203	CATCH BASIN 203	HW	STORM SEW CL A 2 30	550A0430	17.60	91	1.10%	RCP	
SS204	CATCH BASIN 204	CATCH BASIN 205	STORM SEW CL A 2 18	550A0380	238.00	300	1.50%	RCP	
SS205	CATCH BASIN 205	CATCH BASIN 206	STORM SEW CL A 2 18	550A0380	130.20	300	1.00%	RCP	
SS206	CATCH BASIN 206	CATCH BASIN 207	STORM SEW CL A 2 30	550A0430	129.20	275	0.70%	RCP	
SS207	CATCH BASIN 207	CATCH BASIN 208	STORM SEW CL A 2 30	550A0430	109.10	300	0.40%	RCP	
SS208	CATCH BASIN208	HW1	STORM SEW CL A 2 30	550A0430	24.10	106	3.90%	RCP	
SS207.1	CATCH BASIN 207	CATCH BASIN 207.1	STORM SEW CL A 2 30	550A0430	14.80	45	0.40%	RCP	
SS209	CATCH BASIN 209	HW2	STORM SEW CL A 2 30	550A0430	29.80	82	1.20%	RCP	
SS210	CATCH BASIN 210	CATCH BASIN 209	STORM SEW CL A 2 30	550A0430	248.10	330	0.60%	RCP	
SS211	CATCH BASIN 211	CATCH BASIN 210	STORM SEW CL A 2 24	550A0410	123.90	300	1.00%	RCP	
SS212	CATCH BASIN 212	CATCH BASIN 211	STORM SEW CL A 2 24	550A0410	88.30	300	1.00%	RCP	
SS213	CATCH BASIN 213	CATCH BASIN 212	STORM SEW CL A 2 18	550A0380	77.30	301	1.00%	RCP	
SS213.1	CATCH BASIN 213.1	CATCH BASIN 213	STORM SEW CL A 2 18	550A0380	192.20	246.5	1.10%	RCP	
SS214	CATCH BASIN 214	HW3	STORM SEW CL A 2 30	550A0430	13.70	86	0.35%	RCP	
SS215	CATCH BASIN 215	CATCH BASIN 214	STORM SEW CL A 2 30	550A0430	63.80	281	0.60%	RCP	
SS216	MH 216	CATCH BASIN 215	STORM SEW CL A 2 30	550A0430	48.10	111	0.60%	RCP	
SS200A	CATCH BASIN 200A	CATCH BASIN 200	STORM SEW CL A 2 15	550A0360	1.00	7	1.10%	RCP	
SS201A	CATCH BASIN 201A	CATCH BASIN 201	STORM SEW CL A 3 15	550A0660	9.00	7	7.20%	RCP	
SS202A	CATCH BASIN 202A	CATCH BASIN 202	STORM SEW CL A 2 15	550A0360	5.40	7	1.90%	RCP	
SS203A	CATCH BASIN 203A	MH 203	STORM SEW CL A 2 15	550A0360	1.10	8	1.70%	RCP	
SS204A	CATCH BASIN 204A	CATCH BASIN 204	STORM SEW CL A 2 15	550A0360	6.70	7	7.20%	RCP	
SS205A	CATCH BASIN 205A	CATCH BASIN 205	STORM SEW CL A 2 15	550A0360	5.60	7	1.30%	RCP	
SS206A	CATCH BASIN 206A	CATCH BASIN 206	STORM SEW CL A 2 15	550A0360	2.90	8	1.10%	RCP	
SS207A	CATCH BASIN 207A	CATCH BASIN 207	STORM SEW CL A 2 15	550A0360	1.40	8	1.10%	RCP	
SS208.1	CATCH BASIN 208.1	MH 208	STORM SEW CL A 2 15	550A0360	8.90	25	0.60%	RCP	
SS207.1A	CATCH BASIN 207.1A	CATCH BASIN 207.1	STORM SEW CL A 2 15	550A0360	6.60	8	1.40%	RCP	
SS208A	CATCH BASIN 208A	CATCH BASIN 208	STORM SEW CL A 2 15	550A0360	1.40	8	1.10%	RCP	
SS209A	CATCH BASIN 209A	CATCH BASIN 209	STORM SEW CL A 2 15	550A0360	3.30	8	1.00%	RCP	
SS210A	CATCH BASIN 210A	CATCH BASIN 210	STORM SEW CL A 2 15	550A0360	1.60	8	2.30%	RCP	
SS211A	CATCH BASIN 211A	CATCH BASIN 211	STORM SEW CL A 2 15	550A0360	1.40	7	2.90%	RCP	
SS212A	CATCH BASIN 212A	CATCH BASIN 212	STORM SEW CL A 2 15	550A0360	1.40	7	2.90%	RCP	
SS213A	CATCH BASIN 213A	CATCH BASIN 213	STORM SEW CL A 2 15	550A0360	1.10	7	1.40%	RCP	
SS214A	CATCH BASIN 214A	CATCH BASIN 214	STORM SEW CL A 2 15	550A0360	1.10	8	2.70%	RCP	
SS215A	CATCH BASIN 215A	CATCH BASIN 215	STORM SEW CL A 2 15	550A0360	1.10	8	2.70%	RCP	
SS215N	CATCH BASIN N1	HW 215N	STORM SEW CL A 2 24	550A0410	47.60	162	0.30%	RCP	
SS216N	CATCH BASIN N2	CATCH BASIN N1	STORM SEW CL A 2 24	550A0410	115.40	326	0.30%	RCP	
PSS1	PHW3	PMH1	STORM SEW CL A 2 36	550A0450	11.60	32	0.30%	RCP	
PSS2	PMH1	PHW4	STORM SEW CL A 2 36	550A0450	71.10	87	0.70%	RCP	
BC2	HW2	HW1	PIPE CULVERTS, CLASS A, TYPE 2 30"	542A1075	30.60	158	0.30%	RPC	
BCFR1	HWFR	HWFR1	PIPE CULVERTS, CLASS A, TYPE 2 24"	542A1069	8.40	57	0.40%	RPC	
BCFR2	HWFR2	HWFR3	PIPE CULVERTS, CLASS A, TYPE 2 24"	542A1069	8.50	58	0.40%	RPC	
SSFR1	HWFR4	MHFR1	STORM SEW CL A 2 36	550A0450	112.10	86	1.00%	RPC	
SSFR2	MHFR1	MHFR2	STORM SEW CL A 3 36	550A0750	440.00	237	0.30%	RPC	
SSFR3	MHFR2	MHFR3	STORM SEW CL A 2 36	550A0450	254.30	239	0.20%	RPC	
SSFR4	MHFR3	MHFR4	STORM SEW CL A 2 36	550A0450	172.60	240	0.40%	RPC	
SSFR5	MHFR4	HWFR5	STORM SEW CL A 2 36	550A0450	78.60	219	0.01%	RPC	
BCFR3	HWFR10	HWFR11	PIPE CULVERTS, CLASS A, TYPE 2 24"	542A1069	9.70	66	0.30%	RPC	
BCFR4	HWFR12	HWFR13	PIPE CULVERTS, CLASS A, TYPE 2 24"	542A1069	9.50	65	0.30%	RPC	
PrRW1	RW1	RW OPENING	STORM SEW CL A 2 15	550A0360	1.20	5	1.80%	RPC	
PrRW2	RW2	RW2 OPENING	STORM SEW CL A 2 30	550A0430	0.70	5	1.90%	RPC	
PrRW3	RW3	HWRW3	STORM SEW CL A 2 15	550A0360	1.00	8	1.30%	RPC	
PrRW4	RW4	RW4 OPENING	STORM SEW CL A 2 15	550A0360	0.60	5	2.20%	RPC	
PrRW5	RW5	RW5 OPENING	STORM SEW CL A 2 15	550A0360	1.20	5	4.20%	RPC	
SSRD1	CBRD1	MHFR2	STORM SEW CL A 2 15	550A0360	78.10	72	1.81%	RPC	
SSRD2	CBRD2	HWRD2	STORM SEW CL A 2 15	550A0360	9.40	56	1.25%	RPC	
SSRA	CBRA	HWRA	STORM SEW CL A 2 15	550A0360	8.40	50	4.54%	RPC	
SSRDD	CBRDD	HWRDD	STORM SEW CL A 2 15	550A0360	10.30	62	1.00%	RPC	
SSRD	CBRD	MHFR3	STORM SEW CL A 2 15	550A0360	58.40	75	1.06%	RPC	
BC216	HW15	HW16	PIPE CULVERTS, CLASS A, TYPE 2 36"	550A0450	66.50	322.19	0.50%	RPC	
BC217	HW17	HW18	PIPE CULVERTS, CLASS A, TYPE 2 36"	550A0450	66.50	322.08	0.70%	RPC	



Zim Group, LLC
 118 South Clinton St.
 Suite 350
 Chicago, IL 60661

USER NAME = carolina	DESIGNED -	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULE

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	303
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

UNDERDRAIN PIPE SCHEDULE						
PIPE NO.	PAY ITEM DESCRIPTION	PAY ITEM NUMBER	FROM STATION	TO STATION	SIDE	LENGTH (FT)
UD300WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	305+50	308+40	LT	290
UD301WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	308+40	313+40	LT	500
UD303WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	316+50	313+40	LT	310
UD304WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	324+00	321+50	LT	250
UD305WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	327+00	324+00	LT	300
UD306WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	336+06	331+06	LT	499
UD308WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	338+91	336+06	LT	241
UD309WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	343+50	340+29	LT	321
UD310WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	347+50	343+50	LT	400
UD311WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	359+67	364+67	LT	500
UD313WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	364+67	369+68	LT	500
UD315WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	369+68	374+00	LT	300
UD316WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	374+00	378+00	LT	399
UD317WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	378+00	381+00	LT	300
UD318WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	381+00	383+75	LT	275
UD319WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	386+31	383+75	LT	256
UD320WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	393+36	388+36	LT	500
UD322WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	398+36	393+36	LT	500
UD324WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	403+00	398+36	LT	460
UD325WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	406+00	403+00	LT	295
UD326WA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	410+80	406+00	LT	396
UD300WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	305+50	308+40	LT	290
UD301WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	308+65	313+40	LT	475
UD303WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	316+50	313+40	LT	310
UD304WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	324+00	321+50	LT	250
UD305WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	327+00	324+00	LT	300
UD306WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	333+51	330+62	LT	289
UD307WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	336+50	333+51	LT	299
UD308WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	338+91	336+50	LT	241
UD309WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	343+50	340+50	LT	300
UD310WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	347+50	343+50	LT	400
UD311WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	359+67	362+59	LT	292
UD312WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	362+59	365+59	LT	300
UD313WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	365+59	368+59	LT	300
UD314WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	368+59	372+00	LT	341
UD315WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	372+00	375+00	LT	300
UD316WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	375+00	378+00	LT	300
UD317WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	378+00	381+00	LT	300
UD318WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	381+00	383+75	LT	275
UD319WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	386+31	383+75	LT	256
UD320WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	391+50	388+20	LT	314
UD321WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	394+50	391+50	LT	300
UD322WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	397+50	394+50	LT	300
UD323WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	400+50	397+50	LT	300
UD324WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	403+00	400+50	LT	251
UD325WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	406+00	403+00	LT	300
UD326WB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	410+00	406+00	LT	399
UD300EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	305+50	308+40	RT	290
UD301EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	308+65	313+40	RT	475
UD303EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	316+50	313+40	RT	310
UD304EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	324+00	321+50	RT	250
UD305EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	327+00	324+00	RT	300
UD306EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	333+51	330+62	RT	289
UD307EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	336+50	333+51	RT	299
UD308EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	338+91	336+50	RT	241
UD309EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	343+50	340+50	RT	300
UD310EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	347+50	343+50	RT	400
UD311EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	359+67	362+59	RT	307
UD312EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	362+59	365+59	RT	300
UD313EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	365+59	368+43	RT	284
UD314EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	368+43	372+00	RT	349
UD315EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	372+00	375+00	RT	300
UD316EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	375+00	378+00	RT	300
UD317EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	378+00	381+00	RT	306
UD318EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	381+00	383+75	RT	268

UNDERDRAIN PIPE SCHEDULE						
PIPE NO.	PAY ITEM DESCRIPTION	PAY ITEM NUMBER	FROM STATION	TO STATION	SIDE	LENGTH (FT)
UD319EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	386+31	383+75	RT	264
UD320EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	391+50	388+20	RT	322
UD321EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	394+50	391+50	RT	307
UD322EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	397+50	394+50	RT	308
UD323EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	402+44	397+50	RT	495
UD325EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	406+14	402+44	RT	371
UD326EB	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	410+00	406+14	RT	386
UD300EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	305+50	308+40	RT	289
UD301EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	308+40	313+10	RT	470
UD303EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	316+50	313+09	RT	342
UD304EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	324+00	321+50	RT	250
UD305EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	327+00	324+00	RT	300
UD306EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	335+79	330+80	RT	500
UD308EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	338+91	335+79	RT	301
UD309EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	343+50	340+29	RT	323
UD310EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	347+50	343+50	RT	408
UD311EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	360+00	363+86	RT	345
UD313EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	363+86	368+43	RT	497
UD314EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	368+43	372+00	RT	357
UD315EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	372+00	375+00	RT	300
UD316EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	375+00	380+00	RT	500
UD318EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	380+00	383+75	RT	356
UD319EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	386+31	383+75	RT	256
UD320EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	393+37	388+36	RT	500
UD322EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	397+50	393+37	RT	414
UD323EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	402+42	397+50	RT	500
UD325EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	406+14	402+42	RT	375
UD326EA	PIPE UNDERDRAINS, TYPE 2, 6"	60108206	410+00	406+14	RT	389
UDS300W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	308+40		LT	29
UDS301W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	308+65		LT	8
UDS304W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	313+40		LT	30
UDS305W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	313+40		LT	8
UDS306W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	321+50		LT	44
UDS307W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	321+50		LT	10
UDS308W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	324+00		LT	33
UDS309W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	324+00		LT	8
UDS310W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	331+06		LT	92
UDS311W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	330+62		LT	8
UDS313W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	333+51		LT	8
UDS314W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	336+00		LT	7
UDS315W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	336+50		LT	8
UDS316W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	340+29		LT	29
UDS317W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	340+50		LT	8
UDS318W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	343+50		LT	33
UDS319W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	343+50		LT	8
UDS321W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	362+59		LT	8
UDS322W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	364+67		LT	37
UDS323W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	365+59		LT	8
UDS324W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	369+68		LT	41
UDS325W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	368+59		LT	8
UDS327W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	372+00		LT	8
UDS328W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	374+00		LT	37
UDS329W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	375+00		LT	8
UDS330W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	378+00		LT	77
UDS331W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	378+00		LT	8
UDS332W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	380+75		LT	35
UDS333W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	380+75		LT	8
UDS334W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	383+75		LT	46
UDS335W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	383+75		LT	8
UDS336W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	388+46		LT	39
UDS337W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	388+36		LT	17
UDS339W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	391+50		LT	8
UDS340W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	393+36		LT	32
UDS341W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	394+50		LT	8
UDS342W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	398+36		LT	37
UDS343W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	397+50		LT	8

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USER NAME = carolina
 PLOT SCALE = 100,000' / in.
 PLOT DATE = 9/20/2023

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

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 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE SCHEDULE

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	304
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

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 PROJECT: ...

UNDERDRAIN PIPE SCHEDULE						
UDS345W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	400+50		LT	8
UDS346W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	403+00		LT	33
UDS348W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	406+00		LT	29
UDS349W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	406+00		LT	8
UDS350W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	408+80		LT	28
UDS351W	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	408+80		LT	8
UDS300E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	308+40		RT	29
UDS301E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	308+65		RT	8
UDS302E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	310+89		RT	34
UDS304E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	313+09		RT	36
UDS305E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	313+40		RT	8
UDS306E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	321+50		RT	36
UDS307E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	321+50		RT	8
UDS308E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	324+00		RT	29
UDS309E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	324+00		RT	8
UDS310E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	330+80		RT	52
UDS311E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	330+62		RT	8
UDS313E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	333+51		RT	8
UDS314E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	335+80		RT	29
UDS315E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	336+50		RT	8
UDS316E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	340+29		RT	58
UDS317E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	340+50		RT	8
UDS318E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	343+50		RT	32
UDS319E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	343+50		RT	8
UDS320E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	363+86		RT	30
UDS321E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	362+59		RT	8
UDS323E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	365+59		RT	8
UDS324E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	368+43		RT	41
UDS325E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	368+59		RT	8
UDS326E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	372+00		RT	36
UDS327E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	372+00		RT	8
UDS328E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	375+00		RT	36
UDS329E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	375+00		RT	8
UDS331E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	378+00		RT	8
UDS332E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	379+85		RT	55
UDS333E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	380+75		RT	8
UDS334E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	383+75		RT	63
UDS335E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	383+75		RT	8
UDS336E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	388+62		RT	20
UDS337E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	388+46		RT	8
UDS338E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	393+37		RT	20
UDS339E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	391+50		RT	8
UDS341E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	394+50		RT	8
UDS342E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	397+50		RT	60
UDS343E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	397+50		RT	8
UDS346E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	402+42		RT	23
UDS347E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	400+50		RT	55
UDS348E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	406+14		RT	33
UDS349E	PIPE UNDERDRAINS 6" (SPECIAL)	60108200	406+14		RT	48



USER NAME = carolina	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/20/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULE	
SCALE:	SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	305
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

ROCK EXCAVATION FOR STRUCTURES (50200400)	
PIPE NO.	QUANTITY CU YD
SS105	118
SS204	273
SS205	193
SS206	78
SS210	150
SS211	389
SS212	294
SS213	96
SS215	135
TOTAL	1,726

UNDERDRAIN STRUCTURE SCHEDULE						
STRUCTURE NO.	ROAD	STATION	OFFSET	STRUCTURE TYPE	PAY ITEM NUMBER	SIDE
S300W	I80	308+40	78.00	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S302W	I80	313+40	79.33	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S303W	I80	321+50	93.25	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S304W	I80	324+00	82.07	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S307W	I80	336+06	83.59	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S308W	I80	340+29	78.73	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S309W	I80	343+50	82.98	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S311W	I80	364+67	86.71	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S312W	I80	369+68	90.75	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S314W	I80	374+00	86.56	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S315W	I80	378+00	126.58	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S316W	I80	380+75	84.22	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S318W	I80	388+36	88.32	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S320W	I80	393+36	81.32	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S321W	I80	398+36	86.30	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S323W	I80	403+00	82.23	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S324W	I80	406+00	90.00	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S300E	I80	308+40	78.00	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S301E	I80	310+89	83.50	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S302E	I80	313+09	85.12	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S303E	I80	321+50	85.90	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S304E	I80	324+00	78.35	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S305E	I80	330+80	101.50	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S307E	I80	336+50	78.50	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S309E	I80	343+50	81.50	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S310E	I80	363+86	79.50	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S311E	I80	368+43	90.23	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S312E	I80	379+85	104.50	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S314E	I80	388+62	69.53	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S315E	I80	393+37	69.22	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S318E	I80	402+42	72.29	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT
S319E	I80	406+14	82.83	CONCRETE HEADWALLS FOR PIPE DRAINS	60100060	LT

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 PROJECT: ...
 USER: ...



Zim Group, LLC
 118 South Clinton St.
 Suite 350
 Chicago, IL 60661

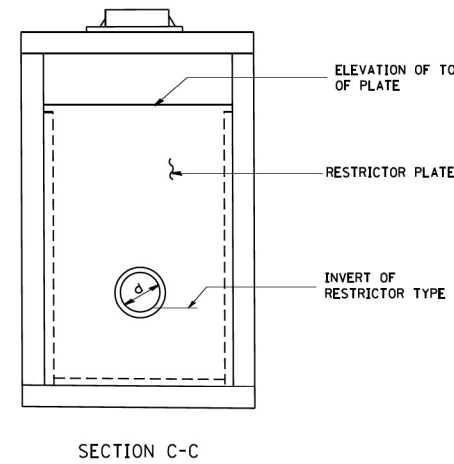
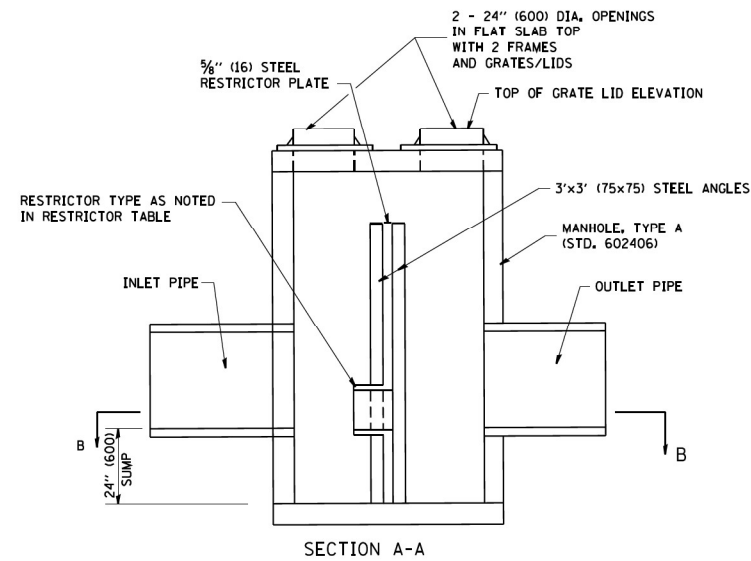
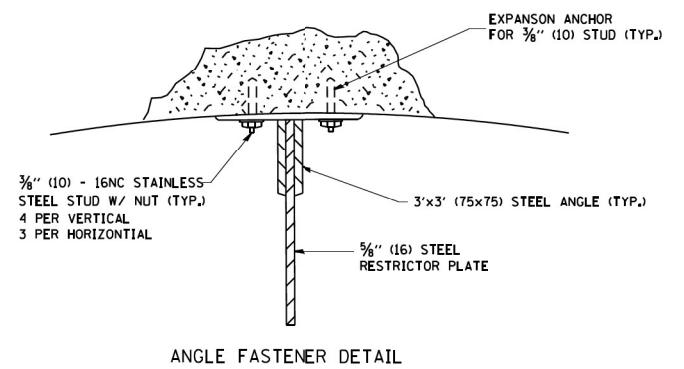
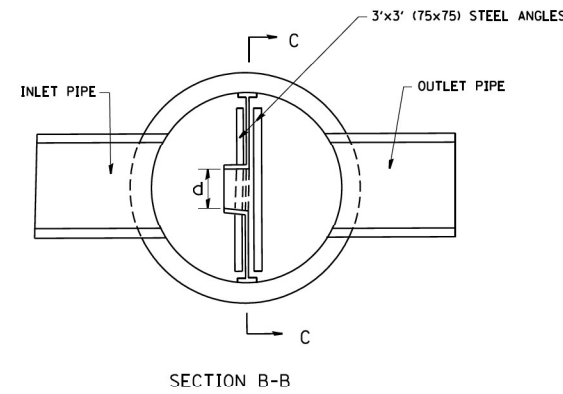
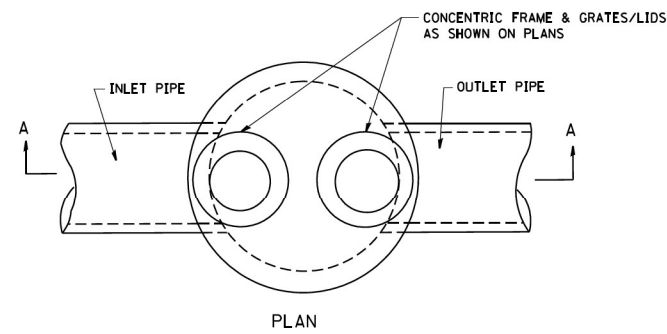
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DRAWN -	REVISED -	
PLOT SCALE = 100,000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/20/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

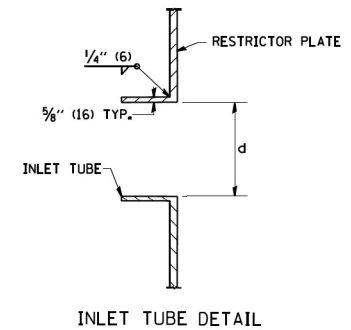
DRAINAGE SCHEDULE

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

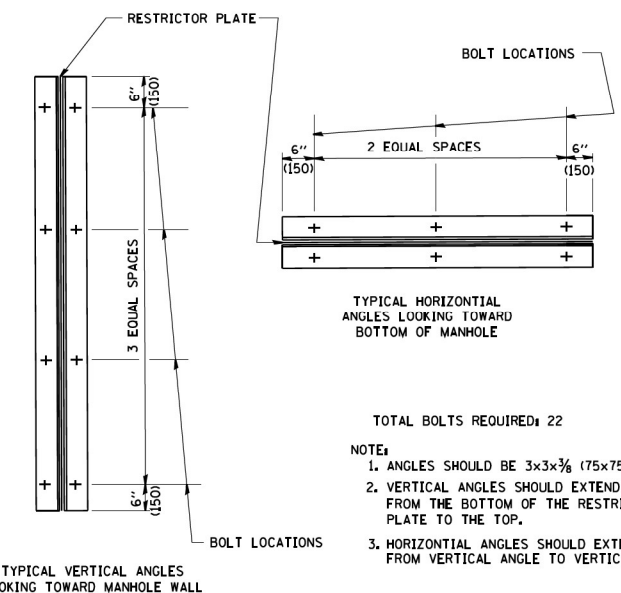
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	306
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE I FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER In. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
353+09 PMH1	6'	2- TYPE I CLOSED LID	TYPE 2	30"	581.50	584.30



- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 3x3x3/8 (75x75x75)
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EGED	SQUARE EGED	RE-ENTRANT TUBE	SQUARE EGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = M:\diststd\22x34\bd12.dgn	USER NAME = geglianobt	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MANHOLE WITH RESTRICTOR PLATE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50,000' / IN.	DRAWN -	REVISED - E. GOMEZ 08-28-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD600-04	(BD-12)	CONTRACT NO.		
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - M. GOMEZ 01-08-01						FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			
		DATE - 09-09-94	REVISED -										

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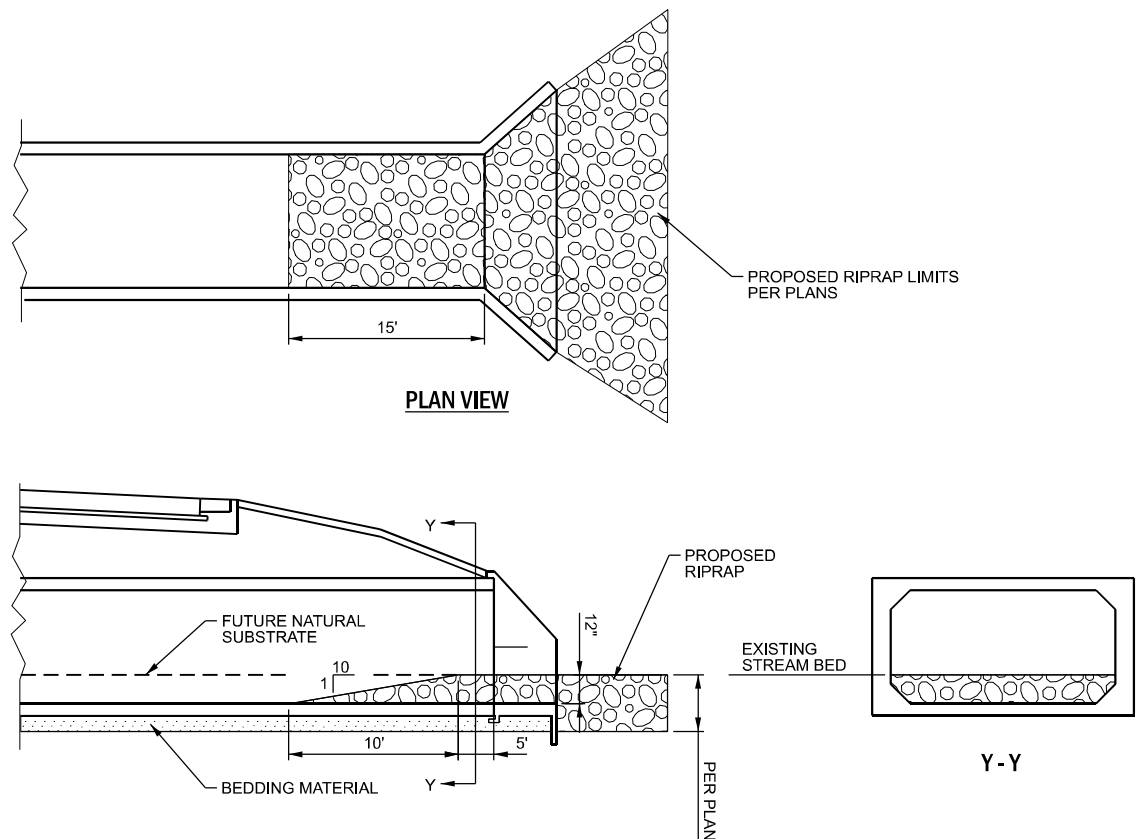


USER NAME = carolina	DESIGNED -	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE DETAILS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	307
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



CULVERT EMBEDMENT DETAIL

NOTES:

1. ON MULTI-CELL CULVERTS WITH LOW FLOW CELLS, THIS DETAIL SHALL APPLY TO THE LOW FLOW CELL ONLY.
2. PROVIDE RIPRAP PROTRUSION AS SHOWN AT BOTH ENDS OF CULVERT.

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USER NAME = carolina	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 9/20/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CULVERT EMBEDMENT DETAIL

SCALE: SHEET 03 OF 03 SHEETS STA. TO STA.

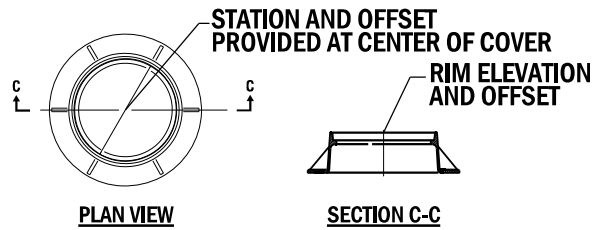
F.A.I R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	308
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

STATION / OFFSET FOR DRAINAGE STRUCTURES



END SECTION

INVERT ELEVATION AND OFFSET ARE GIVEN AT THIS POINT

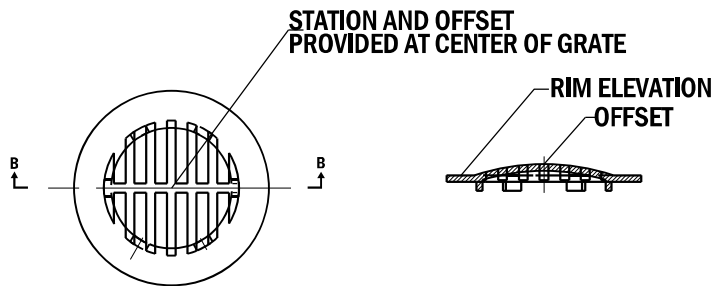


PLAN VIEW

SECTION C-C

TYPE 1 LID

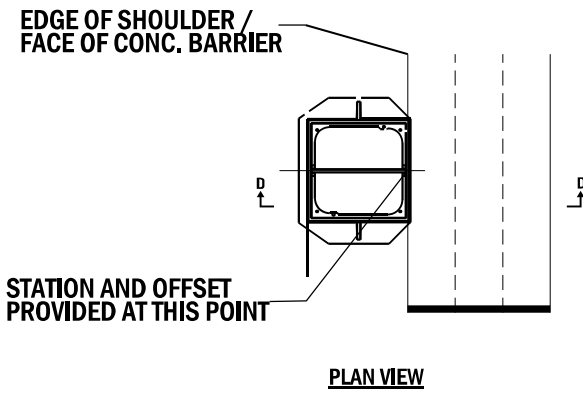
MANHOLE WITH CIRCULAR LIDS



PLAN VIEW

SECTION B-B

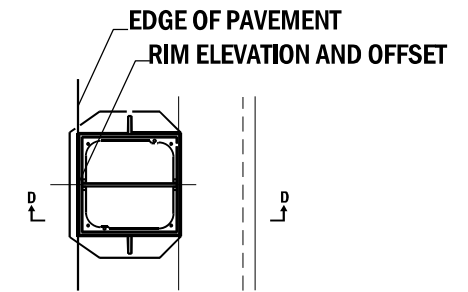
TYPE 8 GRATE



PLAN VIEW

SECTION D-D

TYPE 20/ 22 FRAME & GRATE



PLAN VIEW

SECTION D-D

TYPE 24 FRAME & GRATE

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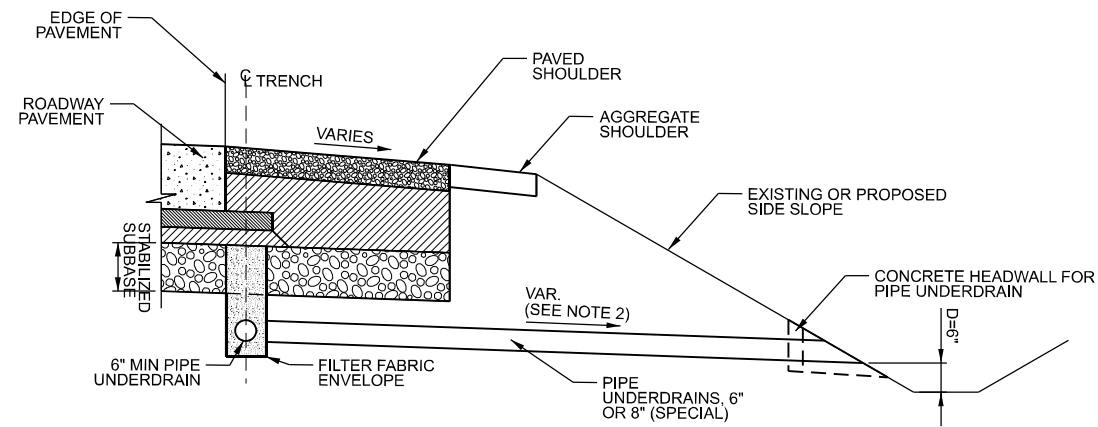
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PLOT SCALE = 100,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 9/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

OFFSET FOR DRAINAGE STRUCTURES DETAIL

SCALE: SHEET 03 OF 03 SHEETS STA. TO STA.

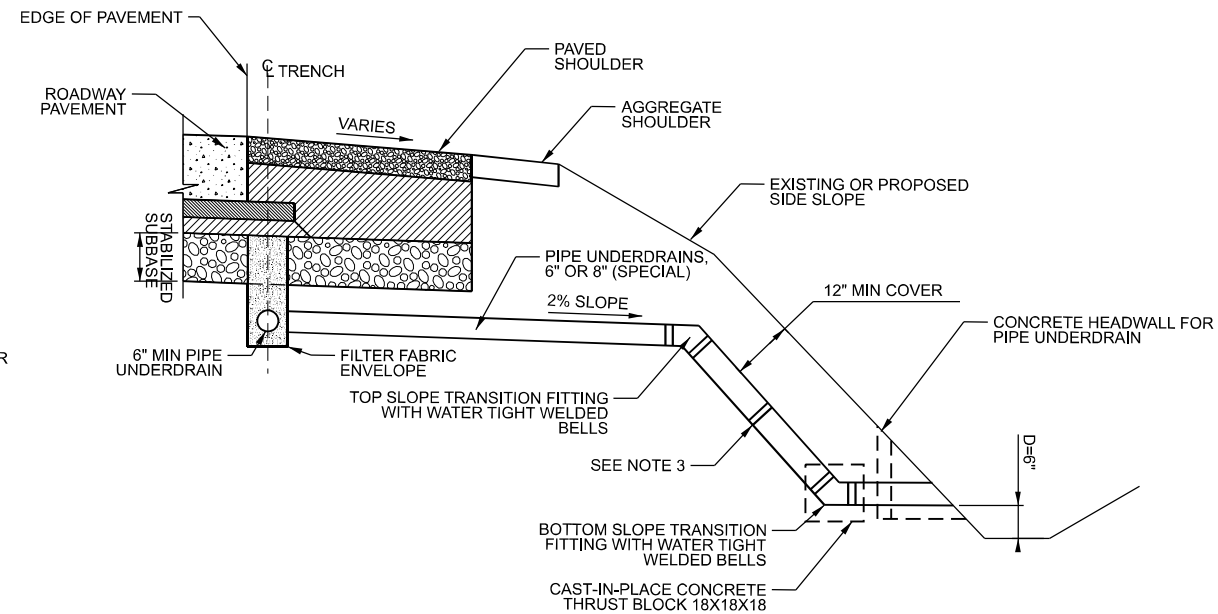
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	309
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



UNDERDRAIN OUTLET DETAILS

NOTES:

1. MODIFY IDOT HIGHWAY STANDARD 601001 AS SHOWN HEREON
2. SLOPE OUTLET PIPE AS NEEDED TO MEET REQUIRED DEPTH, D. 6" MAX. IF REQUIRED SLOPE EXCEEDS 6%, PIPE UNDERDRAIN OUTLET ON HIGH FILL SLOPE DETAIL SHALL BE APPLIED.
3. ALL JOINTS IN SLOPE DRAIN SYSTEM SHALL BE WATERTIGHT WITH A WELDED INTERNAL CYLINDER ON THE SPIGOT END OF THE PIPE. FIELD JOINTS SHALL BE WRAPPED WITH A DOUBLE WIDE MARMAC COUPLER, OR EQUIVALENT. PROVIDE CAST-IN-PLACE CONCRETE THRUST BLOCK AT BOTTOM SLOPE TRANSITION AS SHOWN. WORK AND MATERIALS SHALL BE INCLUDED IN PRICE OF PIPE UNDERDRAINS (SPECIAL) OF THE SIZE NOTED.
4. ENGINEER TO CONSIDER NEED FOR OUTLET EROSION PROTECTION BASED ON LOCAL CONDITIONS.



PIPE UNDERDRAIN OUTLET ON HIGH FILL SLOPE

MODEL: D:\default\p\transys\transys\comp\p\1-hatched\Documents\Projects_2018\C401\401180022\01-Struct\CAD\M\c_d_62R28_04_Sheets\CAD\M\c_d_62R28_04_Sheets\06-Drainage\ID162R28-sh-drain-detail.dgn
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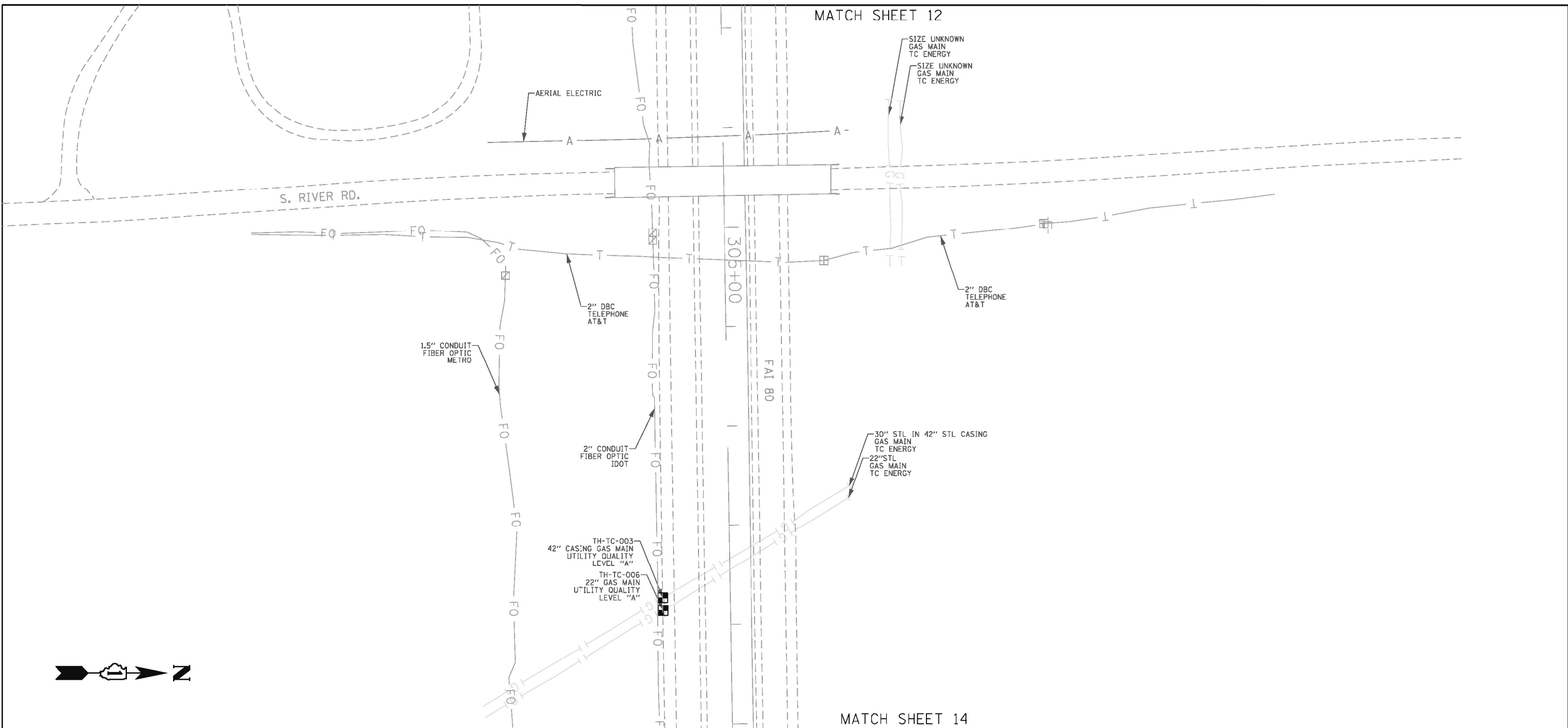
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PIPE UNDERDRAIN OUTLET DETAIL

SCALE: SHEET 03 OF 03 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	310
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

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UTILITY LEGEND:

- A — A — AERIAL
- — — — — UNKNOWN UTILITY
- (O) — (O) — OIL (PETROLEUM)
- CTV — CTV — CABLE TV
- T — T — TELEPHONE
- FO — FO — FIBER OPTIC
- (G) — (G) — GAS
- E — E — ELECTRIC
- E — E — TRAFFIC SIGNAL/LIGHTING
- W — W — WATER
- S — S — SANITARY SEWER
- ST — ST — STORM SEWER
- [Symbol] — [Symbol] — TEST HOLE
- [Symbol] — [Symbol] — ELECTRONIC DEPTH



John J. Bellis
signature
12/14/2021
date

license expires 02/28/2022

AMERICAN
SURVEYING & ENGINEERING, P.C.
American Surveying & Engineering, P.C.
30 N. LaSalle St., Suite 3440
Chicago, IL 60602
Phone No. (312) 277-2000

Accurate
GROUP, INC.
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101 Schekter Road, Suite 200b
Lincolnshire, IL 60069
Phone No. (847) 613-1100



2001 Butterfield Road, Suite 410
Downers Grove, IL 60515
Phone No. (630) 307-3800
Fax No. (630) 307-7030
Cert No. 6091 - LB No. 7055

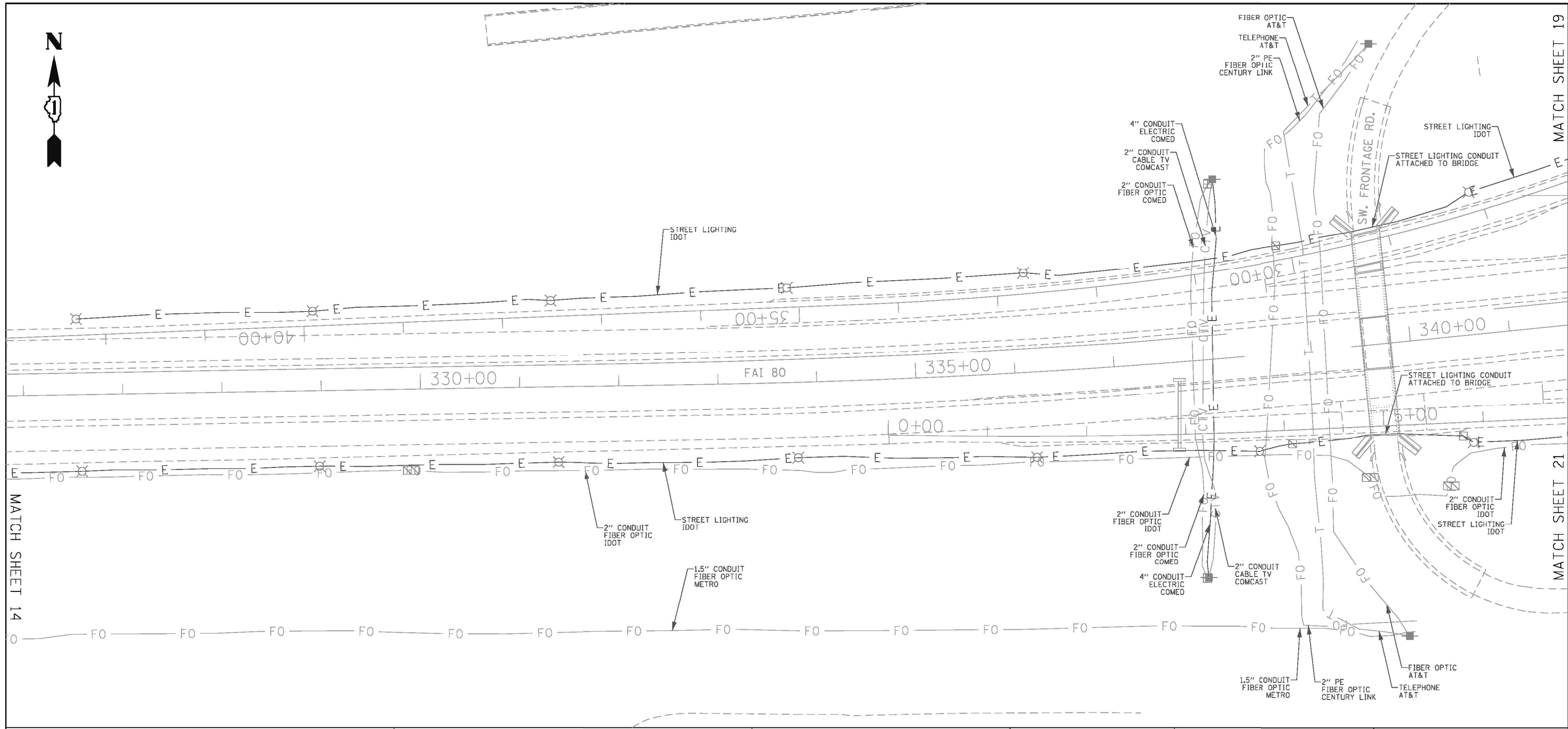
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PLOT DATE = 12/14/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-80 FROM RIDGE RD. TO ROCK RUN CREEK
JOLIET, ILLINOIS**

SCALE: SHEET 2 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	312
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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— S — S —	- SANITARY SEWER
— ST — ST —	- STORM SEWER
— ED — ED —	- TEST HOLE
— ED — ED —	- ELECTRONIC DEPTH

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

John J. Bellis
signature
12/14/2021
date
license expires 02/28/2022

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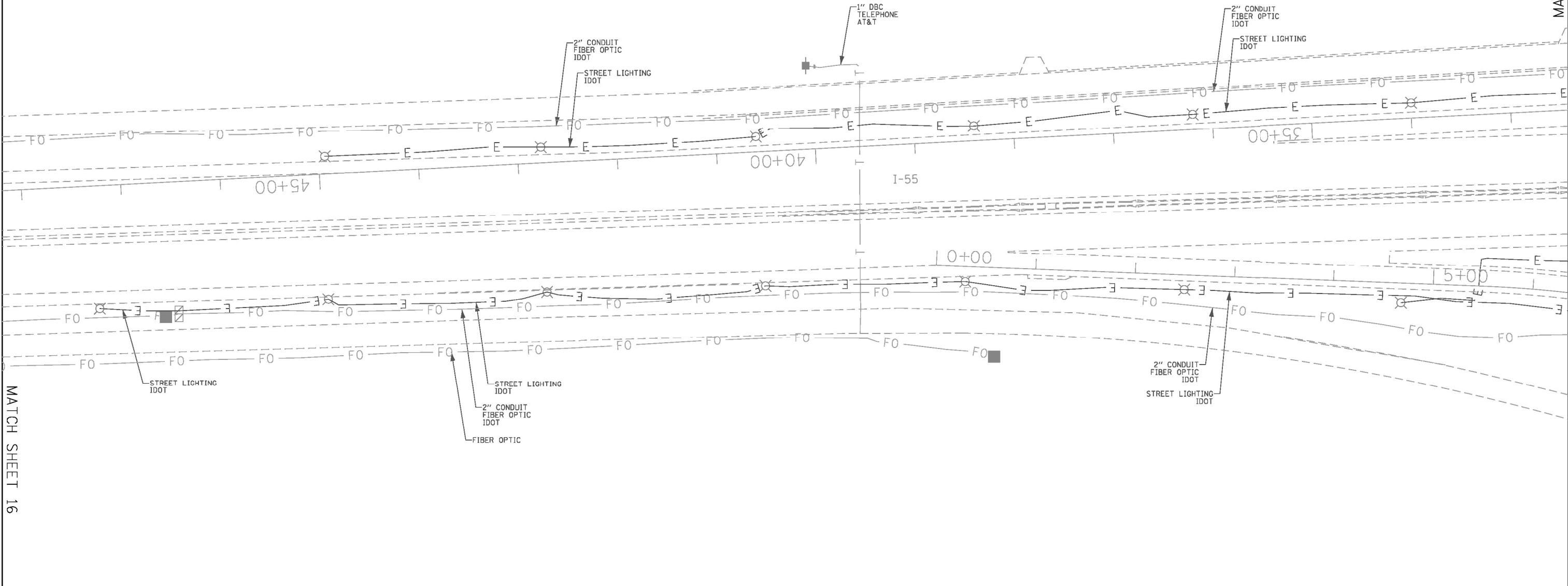
WGI
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Cert No. 6091 - LB No. 7055

USER NAME = Erick.Malca	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-80 FROM RIDGE RD. TO ROCK RUN CREEK JOLIET, ILLINOIS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100.0000' / in.	DRAWN - EM	REVISED -			I-80	FAI 80 21 STRUCTURE 7	WILL	1059	314	
PLOT DATE = 12/10/2021	CHECKED - EG	REVISED -			CONTRACT NO. 62R28					
	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: SHEET 4 OF 17 SHEETS STA. TO STA.



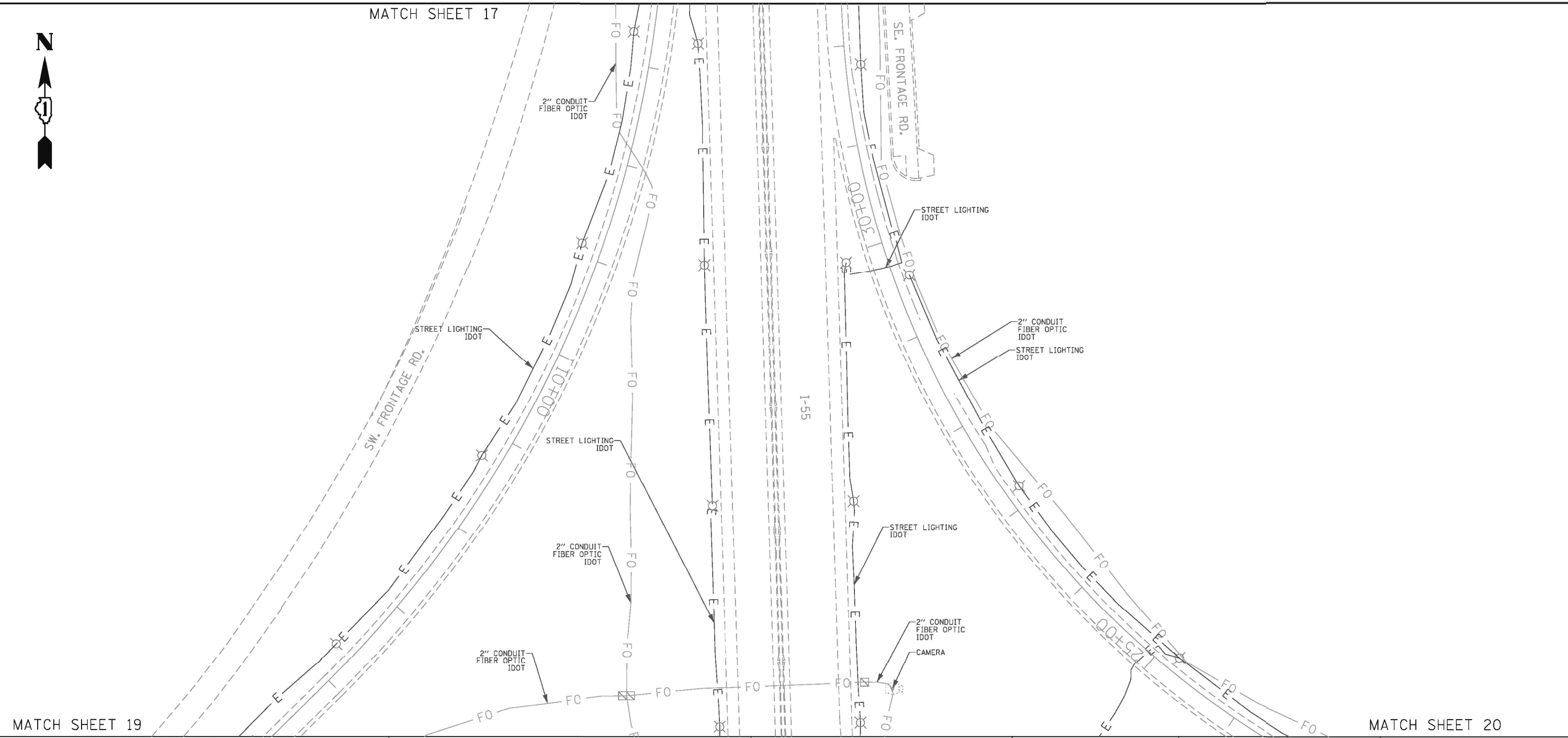
MATCH SHEET 18



MATCH SHEET 16

<p align="center">ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES</p> <p>QUALITY LEVEL A (QLA) PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.</p> <p>QUALITY LEVEL B (QLB) INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.</p> <p>QUALITY LEVEL C (QLC) INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.</p> <p>QUALITY LEVEL D (QLD) INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.</p>	<p align="center">GENERAL NOTES:</p> <p>WGI INC. HAS EXERCISED ITS BEST PROFESSIONAL EXPERTISE AND GEOPHYSICAL PROSPECTING TECHNIQUES TO DEVELOP THIS MAPPING OF SUBSURFACE UTILITIES WITHIN THE PROJECT LIMITS.</p> <p>WGI INC. DOES NOT GUARANTEE THAT UTILITIES SHOWN COMPRISE ALL UTILITIES WITHIN THE PROJECT AREA.</p> <p>WGI'S SUE QLB INVESTIGATION WAS PERFORMED 01/06/2019 THROUGH 02/14/2020. SUE QLA INVESTIGATION WAS PERFORMED 11/02/2021 THROUGH 11/12/2021. CHANGES TO UTILITIES AFTER THESE DATES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.</p> <p>UNLESS OTHERWISE NOTED, FIELD LOCATED UTILITIES MEET THE CI/ASCE 38-2 DEFINITION FOR QUALITY LEVEL "A" (QLA) AND QUALITY LEVEL "B" (QLB) STANDARDS.</p> <p>WGI INC. DISCLAIMER: WGI RECOMMENDS SUE QUALITY LEVEL "A" AT ANY LOCATION WHERE A MORE ACCURATE DEPICTION OF THE UTILITY IS REQUIRED BY IDOT.</p>	<p align="center">UTILITY LEGEND:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>— A — A —</td><td>- AERIAL</td></tr> <tr><td>— () — () —</td><td>- UNKNOWN UTILITY</td></tr> <tr><td>— O — O —</td><td>- OIL (PETROLEUM)</td></tr> <tr><td>— CTV — CTV —</td><td>- CABLE TV</td></tr> <tr><td>— T — T —</td><td>- TELEPHONE</td></tr> <tr><td>— FO — FO —</td><td>- FIBER OPTIC</td></tr> <tr><td>— G — G —</td><td>- GAS</td></tr> <tr><td>— E — E —</td><td>- ELECTRIC</td></tr> <tr><td>— E — E —</td><td>- TRAFFIC SIGNAL/LIGHTING</td></tr> <tr><td>— W — W —</td><td>- WATER</td></tr> <tr><td>— S — S —</td><td>- SANITARY SEWER</td></tr> <tr><td>— ST — ST —</td><td>- STORM SEWER</td></tr> <tr><td>— ED — ED —</td><td>- TEST HOLE</td></tr> <tr><td>— ED — ED —</td><td>- ELECTRONIC DEPTH</td></tr> </table>	— A — A —	- AERIAL	— () — () —	- UNKNOWN UTILITY	— O — O —	- OIL (PETROLEUM)	— CTV — CTV —	- CABLE TV	— T — T —	- TELEPHONE	— FO — FO —	- FIBER OPTIC	— G — G —	- GAS	— E — E —	- ELECTRIC	— E — E —	- TRAFFIC SIGNAL/LIGHTING	— W — W —	- WATER	— S — S —	- SANITARY SEWER	— ST — ST —	- STORM SEWER	— ED — ED —	- TEST HOLE	— ED — ED —	- ELECTRONIC DEPTH	<div style="text-align: center;"> <p>JOHN J. BELLIS 062-044796 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS</p> <p><i>John J. Bellis</i> signature 12/14/2021 date license expires 02/28/2022</p> </div>	<div style="text-align: center;"> <p>AMERICAN SURVEYING & ENGINEERING, P.C. American Surveying & Engineering, P.C. 30 N. LaSalle St., Suite 3440 Chicago, IL 60602 Phone No. (312) 277-2000</p> </div>	<div style="text-align: center;"> <p>Accurate GROUP, INC. Accurate Group, Inc. 101 Schekter Road, Suite 200b Lincolnshire, IL 60069 Phone No. (847) 613-1100</p> </div>
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<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">USER NAME = Erick.Malca</td><td style="width: 50%;">DESIGNED -</td></tr> <tr><td></td><td>DRAWN - EM</td></tr> <tr><td>PLOT SCALE = 100.0000' / in.</td><td>CHECKED - EG</td></tr> <tr><td>PLOT DATE = 12/10/2021</td><td>DATE -</td></tr> </table>	USER NAME = Erick.Malca	DESIGNED -		DRAWN - EM	PLOT SCALE = 100.0000' / in.	CHECKED - EG	PLOT DATE = 12/10/2021	DATE -	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">REVISED -</td><td style="width: 50%;">REVISED -</td></tr> <tr><td></td><td>REVISED -</td></tr> <tr><td></td><td>REVISED -</td></tr> <tr><td></td><td>REVISED -</td></tr> </table>	REVISED -	REVISED -		REVISED -		REVISED -		REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>I-80 FROM RIDGE RD. TO ROCK RUN CREEK JOLIET, ILLINOIS</p>	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 33%;">SCALE:</td><td style="width: 33%;">SHEET 6 OF 17 SHEETS</td><td style="width: 33%;">STA. TO STA.</td></tr> </table>	SCALE:	SHEET 6 OF 17 SHEETS	STA. TO STA.	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 33%;">F.A.I. RTE.</td><td style="width: 33%;">SECTION</td><td style="width: 33%;">COUNTY</td></tr> <tr><td>I-80</td><td>FAI 80 21 STRUCTURE 7</td><td>WILL</td></tr> <tr><td colspan="3" style="text-align: center;">CONTRACT NO. 62R28</td></tr> <tr><td colspan="3" style="text-align: center;">ILLINOIS FED. AID PROJECT</td></tr> </table>	F.A.I. RTE.	SECTION	COUNTY	I-80	FAI 80 21 STRUCTURE 7	WILL	CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT			<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">TOTAL SHEETS</td><td style="width: 50%;">SHEET NO.</td></tr> <tr><td>1059</td><td>316</td></tr> </table>	TOTAL SHEETS	SHEET NO.	1059	316
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MATCH SHEET 19

MATCH SHEET 20

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

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UTILITY LEGEND:

- A — A — AERIAL
- — — — — UNKNOWN UTILITY
- (O) — — — OIL (PETROLEUM)
- CTV — CTV — CABLE TV
- T — T — TELEPHONE
- FO — FO — FIBER OPTIC
- (G) — — — GAS
- E — E — ELECTRIC
- E — E — TRAFFIC SIGNAL/LIGHTING
- W — W — WATER
- — — — — SANITARY SEWER
- — — — — STORM SEWER
- — — — — TEST HOLE
- ED — — — — ELECTRONIC DEPTH



John J. Bellis
 signature
 12/14/2021
 date

license expires 02/28/2022

AMERICAN
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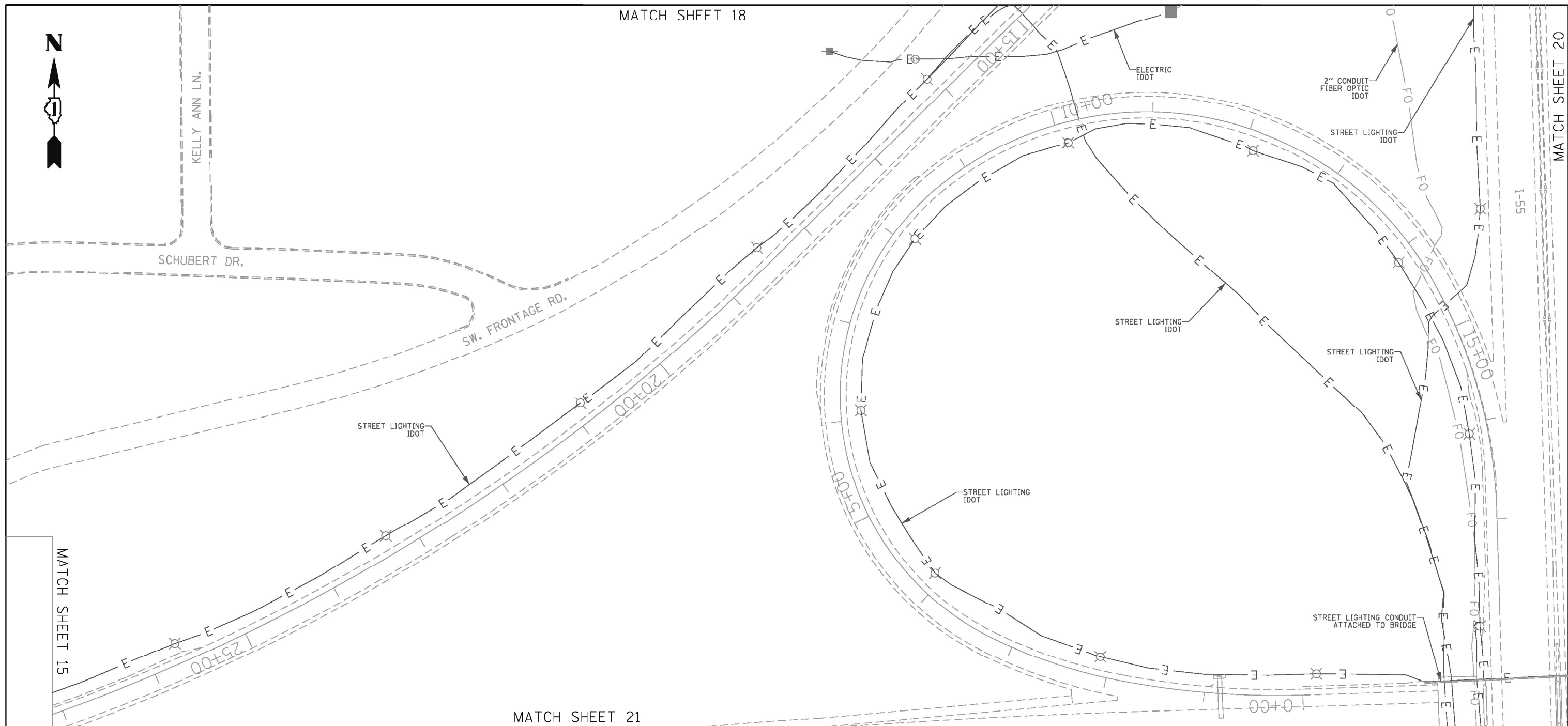
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-80 FROM RIDGE RD. TO ROCK RUN CREEK
 JOLIET, ILLINOIS**

SCALE: SHEET 7 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	317
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



MATCH SHEET 15

MATCH SHEET 20

MATCH SHEET 21

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

QUALITY LEVEL B (QLB)
INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

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- T — T — TELEPHONE
- FO — FO — FIBER OPTIC
- (G) — — — GAS
- E — E — ELECTRIC
- E — E — TRAFFIC SIGNAL/LIGHTING
- W — — — WATER
- — — — — SANITARY SEWER
- — — — — STORM SEWER
- — — — — TEST HOLE
- — — — — ELECTRONIC DEPTH



John J. Bellis
signature
12/14/2021
date
license expires 02/28/2022

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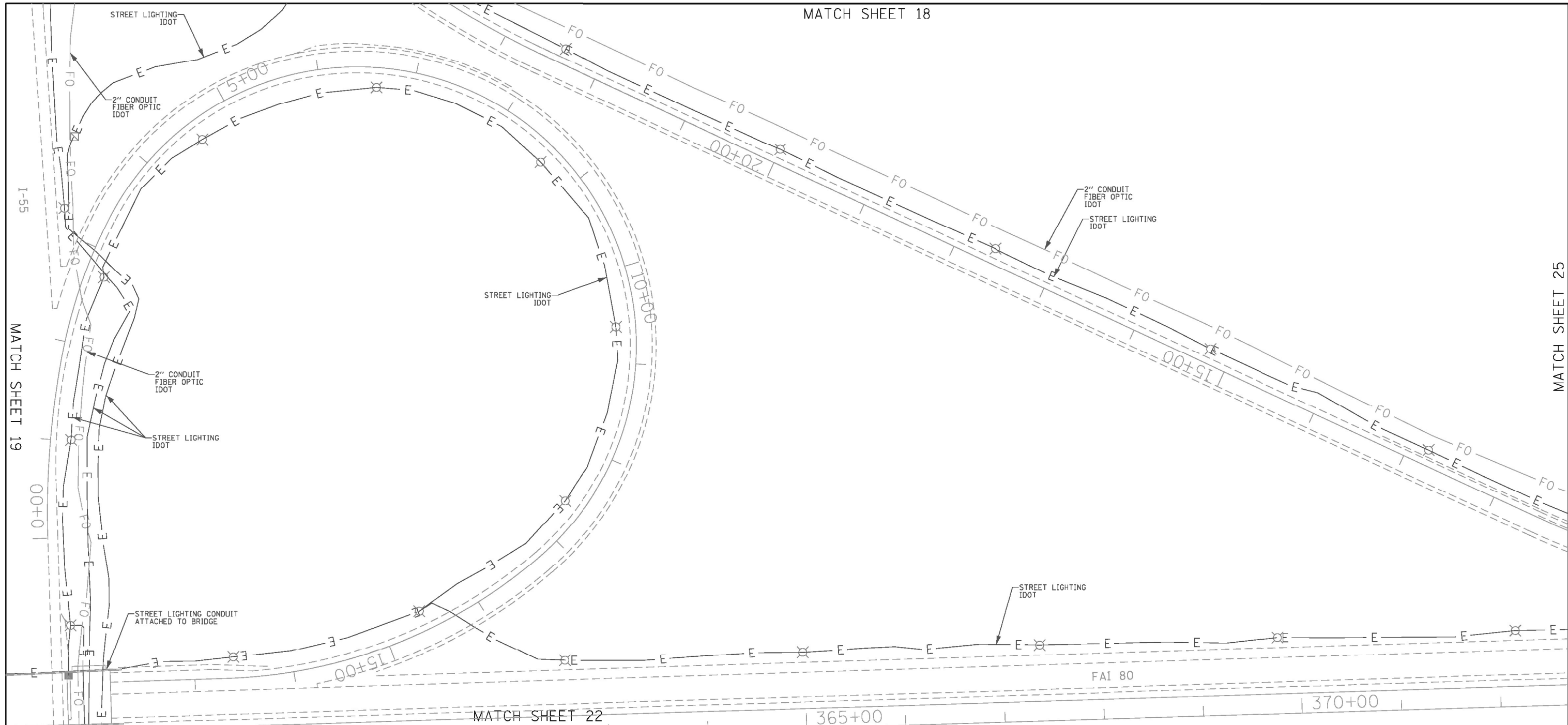
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PLOT DATE = 12/10/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-80 FROM RIDGE RD. TO ROCK RUN CREEK
JOLIET, ILLINOIS**

SCALE: SHEET 8 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	318
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

QUALITY LEVEL B (QLB)
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QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

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— FO — FO —	- FIBER OPTIC
— (G) — (G) —	- GAS
— E — E —	- ELECTRIC
— E — E —	- TRAFFIC SIGNAL/LIGHTING
— W — W —	- WATER
— S — S —	- SANITARY SEWER
— S — S —	- STORM SEWER
— ED — ED —	- TEST HOLE
— ED — ED —	- ELECTRONIC DEPTH

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

John J. Bellis
signature
12/14/2021
date
license expires 02/28/2022

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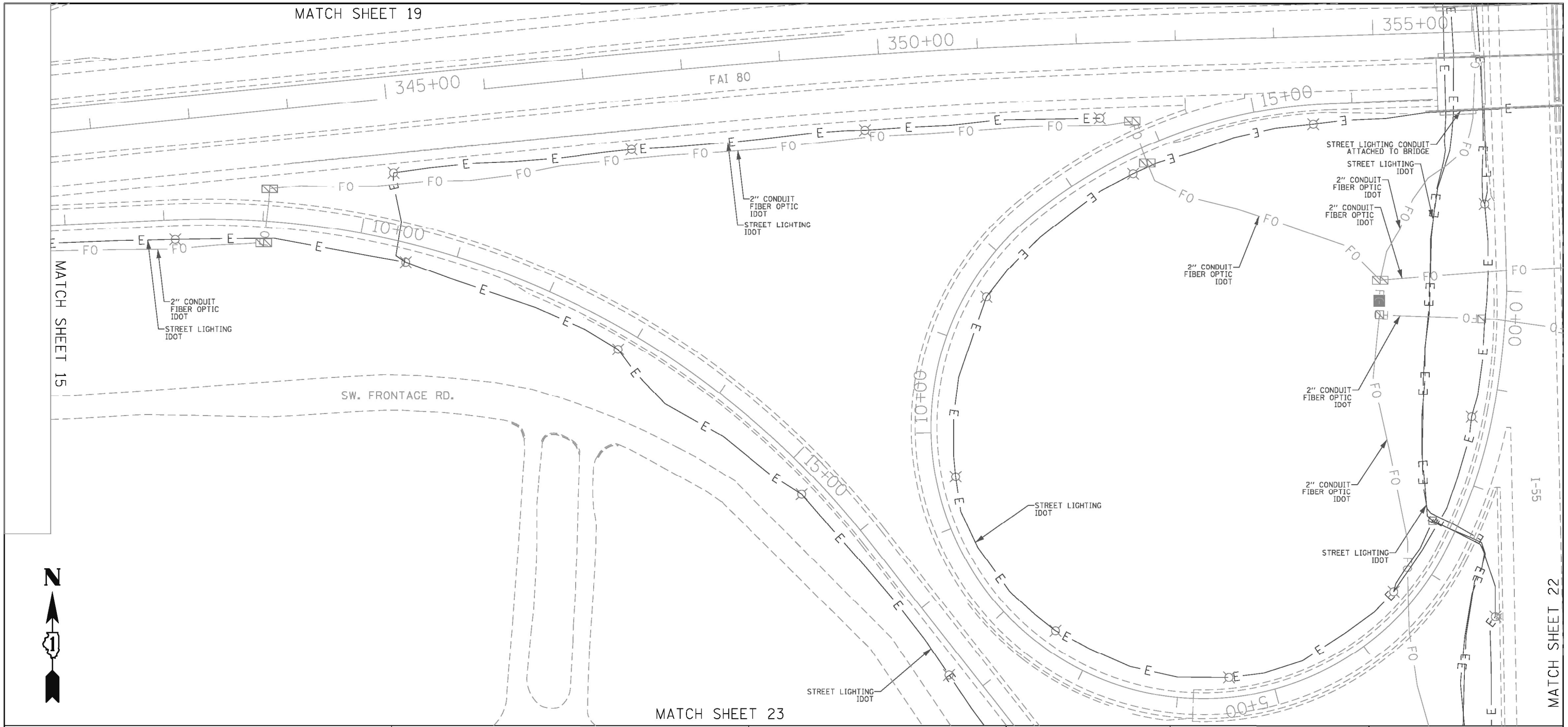
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-80 FROM RIDGE RD. TO ROCK RUN CREEK
JOLIET, ILLINOIS

SCALE: SHEET 9 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	319
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
 PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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- (G) — (G) — GAS
- E — E — ELECTRIC
- E — E — TRAFFIC SIGNAL/LIGHTING
- W — W — WATER
- S — S — SANITARY SEWER
- ST — ST — STORM SEWER
- ED — ED — TEST HOLE
- ED — ED — ELECTRONIC DEPTH



John J. Bellis
 signature
 12/14/2021
 date

license expires 02/28/2022



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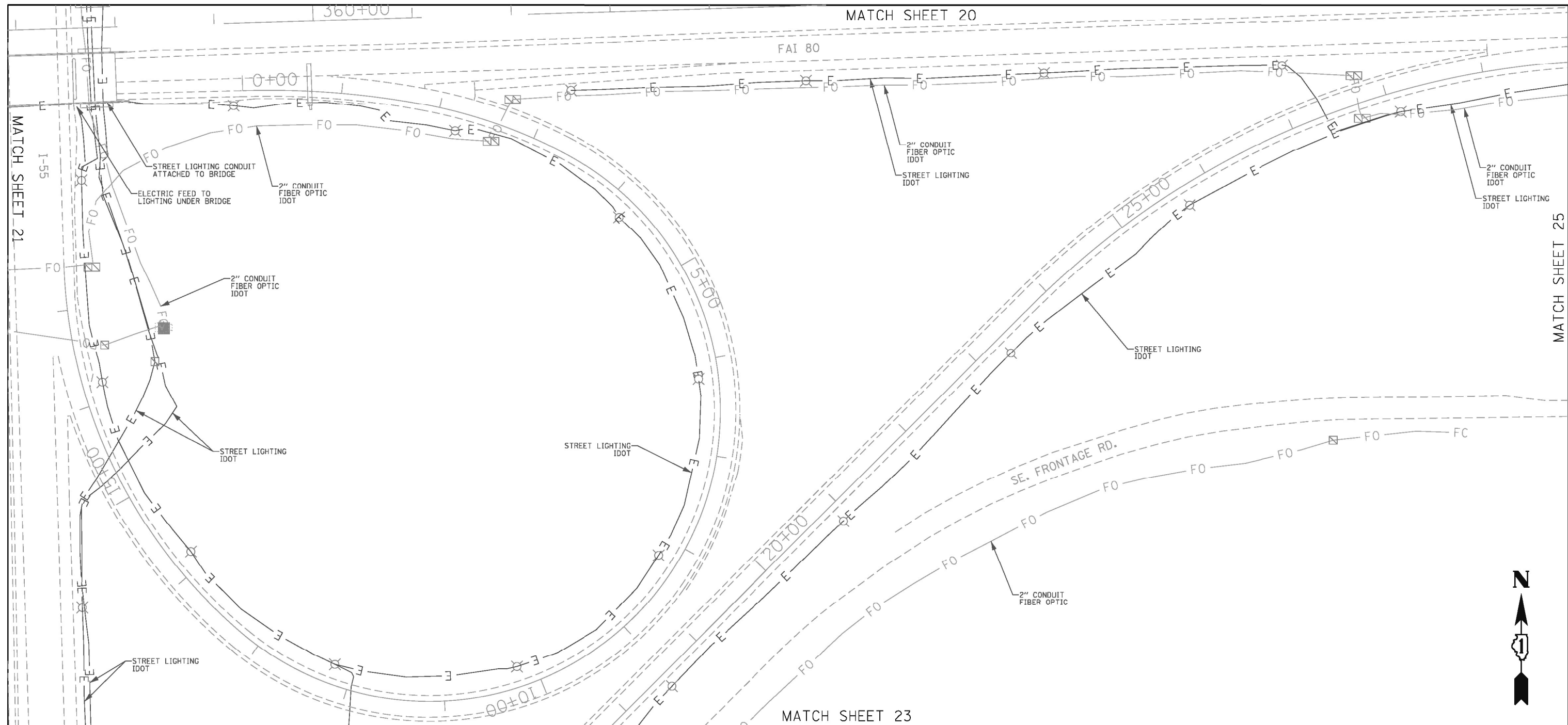
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-80 FROM RIDGE RD. TO ROCK RUN CREEK
 JOLIET, ILLINOIS

SCALE: SHEET 10 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	320
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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— S — S —	- SANITARY SEWER
— ST — ST —	- STORM SEWER
— ED — ED —	- TEST HOLE
— ED — ED —	- ELECTRONIC DEPTH

JOHN J. BELLIS
062-044796
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

John J. Bellis
signature
12/14/2021
date
license expires 02/28/2022

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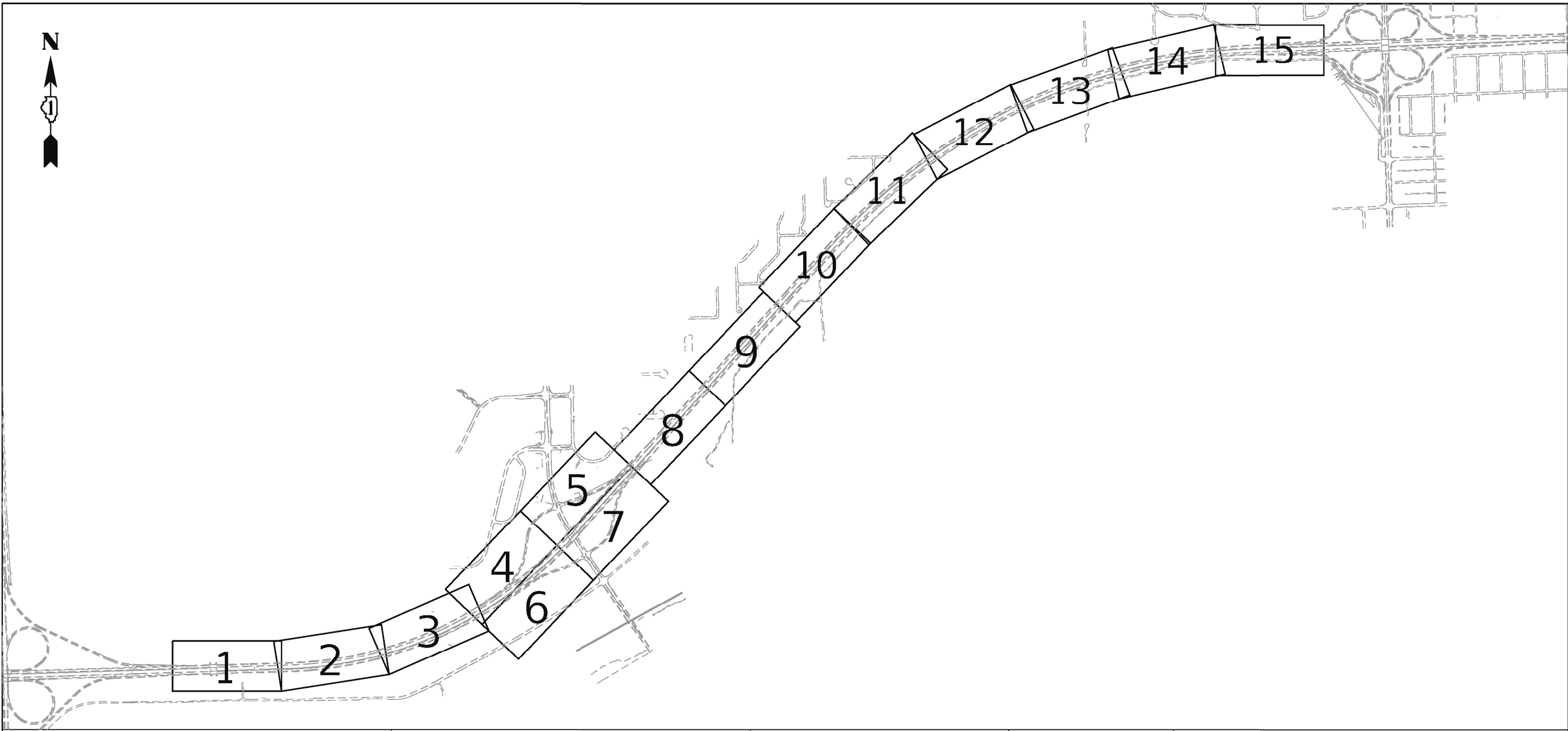
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PLOT DATE = 12/10/2021	CHECKED - EG	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET 11 OF 17 SHEETS	STA. TO STA.
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I-80 FROM RIDGE RD. TO ROCK RUN CREEK			
JOLIET, ILLINOIS			
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 80 21 STRUCTURE 7	WILL	1059	321
CONTRACT NO. 62R28			
ILLINOIS FED. AID PROJECT			

IDOT W.O. 211 & 502			
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ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
 PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.

ALL UTILITIES SHOWN ARE QUALITY LEVEL B (QLB) UNLESS NOTED OTHERWISE.

ALL ELECTRONIC DEPTHS PROVIDED ARE APPROXIMATE AND SHOULD BE USED FOR INFORMATIONAL PURPOSES ONLY.

UTILITY LEGEND:

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- E — - ELECTRIC
- E — - TRAFFIC SIGNAL/LIGHTING
- W — - WATER
- — — — — - FORCE MAIN
- FO — - FIBER OPTIC
- - TEST HOLE
- EOI - END OF INFORMATION
- ED - ELECTRONIC DEPTH



John J. Bellis
 signature

04/06/20
 date

license expires 11/30/2021



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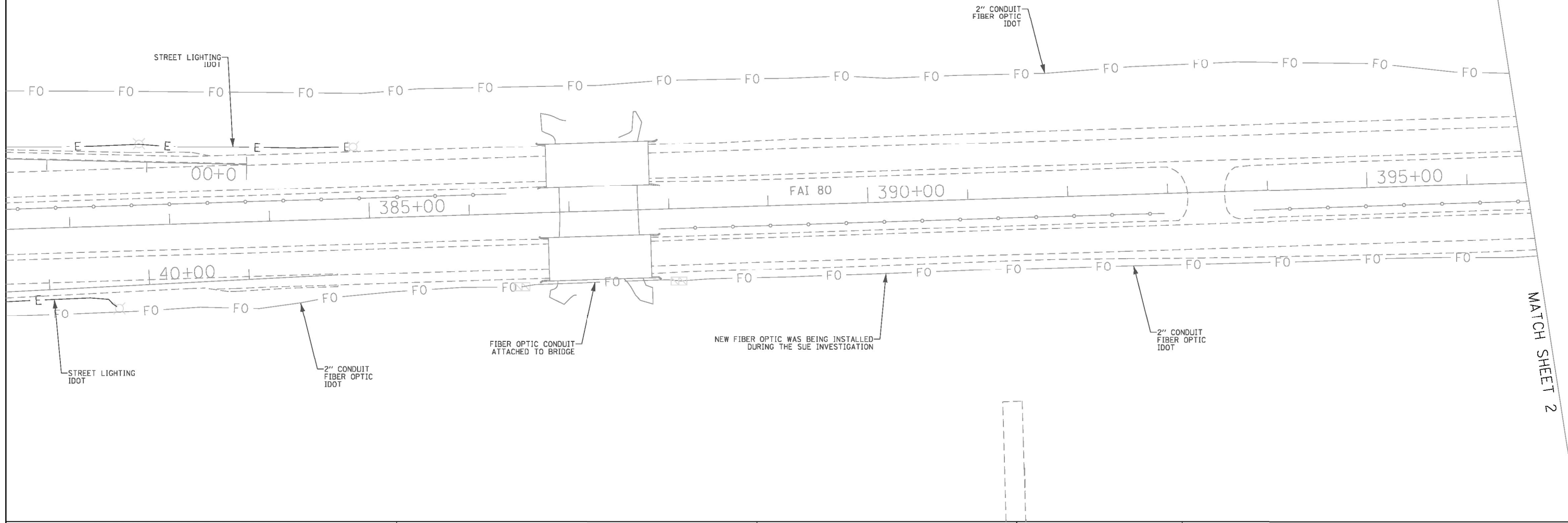
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PLOT DATE = 4/2/2020	CHECKED - EG	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-80 FROM ROCK RUN CREEK TO LARKIN AVE.
 JOLIET, ILLINOIS**

SCALE: SHEET 15 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	325
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



MATCH SHEET 2

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

QUALITY LEVEL B (QLB)
INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QUALITY LEVEL C (QLC)
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

WGI INC. HAS EXERCISED ITS BEST PROFESSIONAL EXPERTISE AND GEOPHYSICAL PROSPECTING TECHNIQUES TO DEVELOP THIS MAPPING OF SUBSURFACE UTILITIES WITHIN THE PROJECT LIMITS.

WGI INC. DOES NOT GUARANTEE THAT UTILITIES SHOWN COMPRISE ALL UTILITIES WITHIN THE PROJECT AREA.

WGI'S FIELD INVESTIGATION WAS PERFORMED 11/19/19 THROUGH 01/03/20. CHANGES TO UTILITIES AFTER 01/03/20 MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.

ALL UTILITIES SHOWN ARE QUALITY LEVEL B (QLB) UNLESS NOTED OTHERWISE.

ALL ELECTRONIC DEPTHS PROVIDED ARE APPROXIMATE AND SHOULD BE USED FOR INFORMATIONAL PURPOSES ONLY.

UTILITY LEGEND:

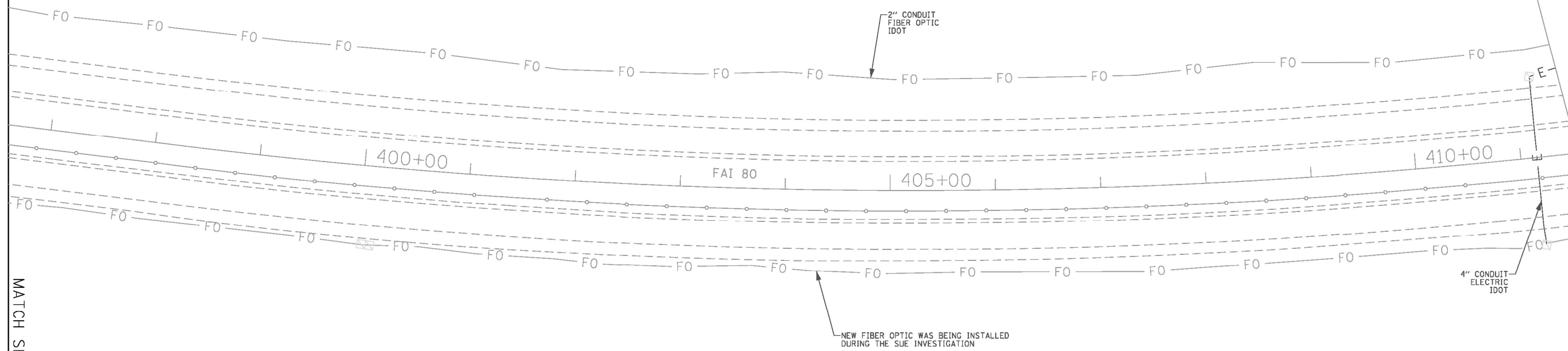
— A —	- AERIAL
— O —	- UNKNOWN UTILITY
— O —	- OIL
— CTV —	- CABLE TV
— T —	- TELEPHONE
— G —	- GAS
— E —	- ELECTRIC
— E —	- TRAFFIC SIGNAL/LIGHTING
— W —	- WATER
— — — — —	- FORCE MAIN
— FO —	- FIBER OPTIC
□	- TEST HOLE
EOI	- END OF INFORMATION
ED	- ELECTRONIC DEPTH

REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
 062-044796
John J. Bellis
 signature
 04/06/20
 date
 license expires 11/30/2021

American Surveying & Engineering, P.C.
 30 N. LaSalle St., Suite 3440
 Chicago, IL 60602
 Phone No. (312) 277-2000

2001 Butterfield Road, Suite 410
 Downers Grove, IL 60515
 Phone No. (630) 307-3800
 Fax No. (630) 307-7030
 Cert No. 6091 - LB No. 7055

USER NAME = Erick.Maleza PLOT SCALE = 100.0000' / in. PLOT DATE = 4/2/2020	DESIGNED - DRAWN - EM CHECKED - EG DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-80 FROM ROCK RUN CREEK TO LARKIN AVE. JOLIET, ILLINOIS	SCALE: SHEET 16 OF 17 SHEETS STA. TO STA.	F.A.I. RTE. I-80 SECTION FAI 80 21 STRUCTURE 7 COUNTY WILL TOTAL SHEETS 326 SHEET NO. 326 CONTRACT NO. 62R28 ILLINOIS FED. AID PROJECT
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MATCH SHEET 1

MATCH SHEET 3

ASCE STANDARDS OF DEPICTION OF SUBSURFACE UTILITIES

QUALITY LEVEL A (QLA)
PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) USING MINIMALLY INTRUSIVE EXCAVATION EQUIPMENT TO MINIMIZE POTENTIAL FOR UTILITY DAMAGE, AND SUBSEQUENT MEASUREMENT OF THE SUBSURFACE UTILITIES WITH OTHER UTILITY ATTRIBUTES SUCH AS TYPE, SIZE & MATERIAL OF UTILITY.

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INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

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INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

QUALITY LEVEL D (QLD)
INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

GENERAL NOTES:

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FIELD LOCATED UTILITIES MEET THE FEDERAL HIGHWAY ADMINISTRATION DEFINITION FOR "QUALITY LEVEL B" (QLB) STANDARDS.

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UTILITY LEGEND:

- A — - AERIAL
- O — - UNKNOWN UTILITY
- O — - OIL
- CTV — - CABLE TV
- T — - TELEPHONE
- G — - GAS
- E — - ELECTRIC
- E — - TRAFFIC SIGNAL/LIGHTING
- W — - WATER
- — — — — - FORCE MAIN
- FO — - FIBER OPTIC
- - TEST HOLE
- EOI - END OF INFORMATION
- ED - ELECTRONIC DEPTH



John J. Bellis
signature
04/06/20
date

license expires 11/30/2021



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Cert No. 6091 - LB No. 7055

USER NAME = Erick.Maleza	DESIGNED -	REVISED -
	DRAWN - EM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - EG	REVISED -
PLOT DATE = 3/30/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-80 FROM ROCK RUN CREEK TO LARKIN AVE.
JOLIET, ILLINOIS**

SCALE: SHEET 17 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	327
			CONTRACT NO. 62R28	
ILLINOIS FED. AID PROJECT				



2001 BUTTERFIELD ROAD, SUITE 410
DOWNERS GROVE, ILLINOIS, 60515
Phone: 630.507.3800 TF: 866.609.2220
www.WGIinc.com

**UTILITY LOCATION
TEST HOLE REPORT**

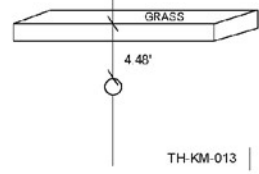
TEST HOLE # KM-013

PROJECT INFORMATION		State Road: N/A	
Project: I-80 TEST HOLES		Date: 11/12/2021	
Location: WEST SHEPLEY ROAD		City: JOLIET	WGI No.: 7522.01
County: WILL	Client: IDOT	WGI Crew: MS/RL/DR	
FPID # N/A	Requested by: SUDUD MAHMOUD	FB / PG: N/A	

TEST HOLE INFORMATION					
Located Utility Type: GAS	Size: 42"	Material: STEEL	Marked by: IRON ROD	Picture # N/A	
Sta: 0	Offset: 0.0' RT	Surface Marker Elevation: 589.94'	Mark over: CL OF HOLE	Surface: GRASS	
Northing: 1749658.17	Utility Owner: KINDER MORGAN	Utility direction: N/S	H Datum: NAD83-CORS		
Easting: 1010001.24	Utility Color: N/A	Surveyed by: AGI	V Datum: NAVD88		

PROFILE (not to scale)

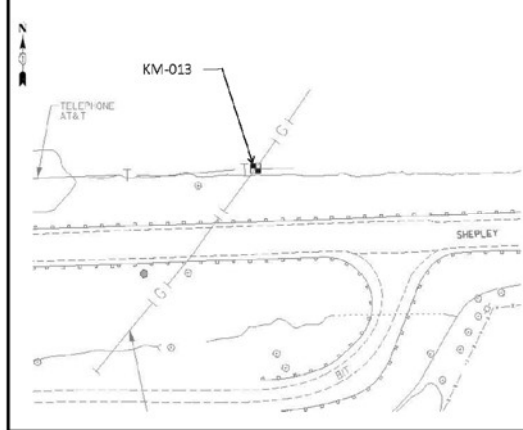
Surface Marker Elevation: 589.94'
Depth to Top (cover): 4.48'
Utility Top Elevation: 585.46'
Utility Bottom Elevation: N/A
Comments: 36" PIPE IN 42" CASING PER KINDER MORGAN REP ON-SITE.



PROJECT LOCATION



LOCATION SKETCH (not to scale)



2001 BUTTERFIELD ROAD, SUITE 410
DOWNERS GROVE, ILLINOIS, 60515
Phone: 630.507.3800 TF: 866.609.2220
www.WGIinc.com

**UTILITY LOCATION
TEST HOLE REPORT**

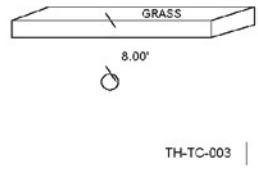
TEST HOLE # TC-003

PROJECT INFORMATION		State Road: N/A	
Project: I-80 TEST HOLES		Date: 11/4/2021	
Location: EB I-80		City: JOLIET	WGI No.: 7522.01
County: WILL	Client: IDOT	WGI Crew: MA/RL	
FPID # N/A	Requested by: SUDUD MAHMOUD	FB / PG: N/A	

TEST HOLE INFORMATION					
Located Utility Type: GAS	Size: 42"	Material: STEEL	Marked by: IRON ROD	Picture # N/A	
Sta: 0	Offset: 0.0' RT	Surface Marker Elevation: 570.96'	Mark over: CL OF PIPE	Surface: GRASS	
Northing: 1755173.90	Utility Owner: TC ENERGY	Utility direction: N/S	H Datum: NAD83-CORS		
Easting: 1016676.44	Utility Color: N/A	Surveyed by: AGI	V Datum: NAVD88		

PROFILE (not to scale)

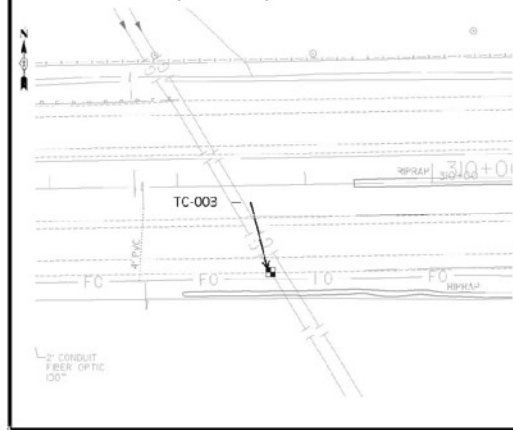
Surface Marker Elevation: 570.96'
Depth to Top (cover): 8.00'
Utility Top Elevation: 562.96'
Utility Bottom Elevation: N/A
Comments: UNABLE TO EXPOSE UTILITY DUE TO WATER INFILTRATION WITHIN THE EXCAVATED HOLE. HOWEVER, BY UTILIZING THE AIR LANCE WE WERE ABLE TO PROBE THE TOP OF PIPE. 30" PIPE IN 42" CASING PER TC ENERGY REP ON-SITE.



PROJECT LOCATION



LOCATION SKETCH (not to scale)



2001 BUTTERFIELD ROAD, SUITE 410
DOWNERS GROVE, ILLINOIS, 60515
Phone: 630.507.3800 TF: 866.609.2220
www.WGIinc.com

**UTILITY LOCATION
TEST HOLE REPORT**

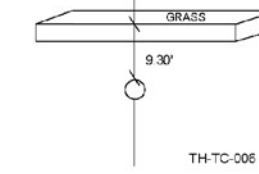
TEST HOLE # TC-006

PROJECT INFORMATION		State Road: N/A	
Project: I-80 TEST HOLES		Date: 11/4/2021	
Location: EB I-80		City: JOLIET	WGI No.: 7522.01
County: WILL	Client: IDOT	WGI Crew: MA/RL	
FPID # N/A	Requested by: SUDUD MAHMOUD	FB / PG: N/A	

TEST HOLE INFORMATION					
Located Utility Type: GAS	Size: 22"	Material: STEEL	Marked by: IRON ROD	Picture # N/A	
Sta: 0	Offset: 0.0' RT	Surface Marker Elevation: 570.92'	Mark over: CL OF PIPE	Surface: GRASS	
Northing: 1755174.33	Utility Owner: TC ENERGY	Utility direction: N/S	H Datum: NAD83-CORS		
Easting: 1016691.51	Utility Color: N/A	Surveyed by: AGI	V Datum: NAVD88		

PROFILE (not to scale)

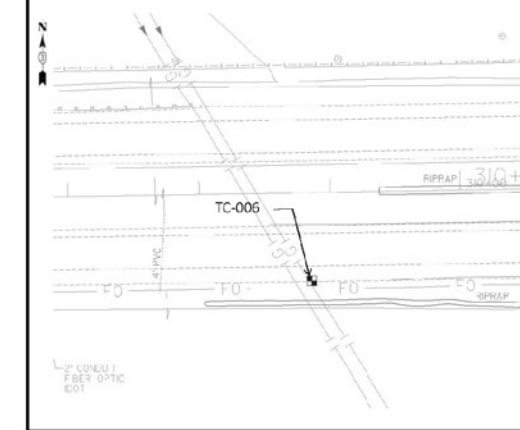
Surface Marker Elevation: 570.92'
Depth to Top (cover): 9.30'
Utility Top Elevation: 561.62'
Utility Bottom Elevation: N/A
Comments: UNABLE TO EXPOSE UTILITY DUE TO WATER INFILTRATION WITHIN THE EXCAVATED HOLE. HOWEVER, BY UTILIZING THE AIR LANCE WE WERE ABLE TO PROBE THE TOP OF PIPE. 22" PIPE PER TC ENERGY REP ON-SITE. CASING SIZE UNKNOWN.



PROJECT LOCATION



LOCATION SKETCH (not to scale)



MODEL: Default
 FILE NAME: p:\transystems-pw\hntb\comtransyscorp\p1-hosted\Documents\Projects_2018\CH-401\40118002201-Struct\CAD\Misc_04_62828_04_Sheets\07-Utilities\0165R28-ht-testhole-003.dgn



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**UTILITY LOCATION
TEST HOLE REPORTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	328
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

MODEL: D:\default\pwrtrans\systems-pwr\kentby.com\trans\comp\pwr\hatched\Documents\Projects_2018\CH401140118002201-Share\CAD\Misc\4_63828_04_Sheets\07-Utilities\0165R2R28-ut-test-hole-006.dgn
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VERIFIED UTILITY INFORMATION									
TEST HOLE	SIZE	TYPE	NORTHING	EASTING	REFERENCE ELEVATION	EXISTING CUT	EXISTING TOP ELEVATION	SUE QUALITY LEVEL	COMMENTS
1	24"	PIPELINE	1754921.081	1014309.915	581.40'	14.44'	566.96'	A	SEE NOTE
2	14"	PIPELINE	1754936.746	1014345.683	581.70'	11.99'	569.71'	A	SEE NOTE
3	24"	PIPELINE	1754958.301	1014263.193	580.77'	14.58'	566.19'	A	SEE NOTE
4	14"	PIPELINE	1754972.051	1014300.231	580.65'	13.48'	567.17'	A	SEE NOTE
5	24"	PIPELINE	1755012.838	1014198.174	581.71'	17.85'	563.86'	B	SEE NOTE
6	14"	PIPELINE	1755024.948	1014233.267	581.89'	14.24'	567.65'	B	SEE NOTE
7	2.5"	UNKNOWN	1765442.286	1056900.551	567.13'	2.64'	564.49'	A	
8	30"	PIPELINE	1755658.970	1016289.004	570.44'	3.06'	567.38'	A	SEE NOTE
9	36"	PIPELINE	1755718.059	1016283.210	570.06'	4.97'	565.09'	A	SEE NOTE
10	36"	PIPELINE	1755630.091	1016197.070	573.84'	5.45'	568.39'	A	SEE NOTE
11	30"	PIPELINE	1755570.707	1016199.948	573.95'	4.76'	569.19'	A	SEE NOTE
12	30"	PIPELINE	1755403.212	1016327.683	569.98'	4.21'	565.77'	A	SEE NOTE
13	22"	PIPELINE	1755414.496	1016328.891	570.11'	2.66'	567.65'	A	SEE NOTE
14	36"	PIPELINE	1751707.896	1011187.706	584.81'	9.90'	574.91'	A	SEE NOTE
15	36"	PIPELINE	1751912.448	1011182.141	584.39'	4.68'	579.71'	A	SEE NOTE

NOTES

TH #1 - ENBRIDGE 24" METALLIC PIPELINE, TROY TOWESON WATCH PROTECTION ON SITE. 219-793-3214.
 TH #2 - STEVE ADAMS WATCH AND PROTECT FROM BP PIPELINE ONSITE. 779-801-4969. 14" METALLIC CASING PIPE.
 TH #3 - ENBRIDGE 24" METALLIC PIPELINE, TROY TOWESON WATCH PROTECTION ON SITE 219-793-3214.
 TH #4 - BP PIPELINE WHICH IS IN A 14" METALLIC CASING CROSSING -80. WE WERE ABLE TO VISUALLY SEE IT IN THE HOLE BRIEFLY BEFORE THE HOLE WAS FILLED WITH WATER. STEVE ADAMS WATCH PROTECTION FOR BP PIPELINE ONSITE 779-801-4969.
 TH #5 - UNABLE TO VISUALLY VERIFY UTILITY DUE TO GROUND WATER IN THE TEST HOLES. TAPPED WHAT WE BELIEVE TO BE THE UTILITY WITH OUR AIR LANCE TO VERIFY SHAPE, DEPTH REASONABLE WITH ELECTRONIC DEPTHS. TROY TOWESON WATCH PROTECTION ONSITE FOR ENBRIDGE PIPELINE 219-793-3214. 24" PIPELINE.
 TH #6 - DUE TO SOIL CONDITIONS AND RUNNING OUT OF TIME DUE TO LANE CLOSURE RESTRICTION, WE COULDN'T VISUALLY SEE THE BP GAS LINE, BUT WAS ABLE TO PROBE THE PIPELINE WITH OUR AIR LANCE TO VERIFY SHAPE, DEPTH REASONABLE WITH ELECTRONIC DEPTHS. STEVE ADAMS ON SITE FROM BP PIPELINE 779-801-4969. STEVE CONFIRMED IT TO BE THE 14" PIPE.
 TH #8 - EXPOSED 30" METALLIC PIPE. JACK DAVIS WITH KINDER MORGAN PIPELINE ONSITE. 815-955-2455. NATURAL GAS.
 TH #9 - EXPOSED 36" METALLIC PIPE. JACK DAVIS WITH KINDER MORGAN PIPELINE ON SITE. 815-955-2455. NATURAL GAS.
 TH #10 - EXPOSED 36" METALLIC PIPE. JACK DAVIS WITH KINDER MORGAN WAS ON SITE. 815-955-2455. NATURAL GAS.
 TH #11 - KINDER MORGAN TEST HOLE ON THE WEST SIDE OF S. RIVER ROAD. WE WERE ABLE TO BRIEFLY SEE THE 30" METALLIC PIPE WITHIN THE TEST HOLE BEFORE WATER INFILTRATED THE TEST HOLE. JACK DAVIS FROM KINDER MORGAN ON SITE AND CONFIRMED SIZE. 815-955-2455. NATURAL GAS PIPELINE.
 TH #12 - KINDER MORGAN TEST HOLE ON THE EAST SIDE OF RIVER RD. WE WERE ABLE TO SEE BRIEFLY SEE 30" METALLIC PIPE BEFORE GROUNDWATER INFILTRATED THE TEST HOLE. WE HAD CONFIRMED AND PROBE THE 30" METALLIC PIPE. TC ENERGY PIPELINE RUNNING EAST AND WEST JOSH HAWKINS WITH TC/ANR PIPELINE WAS ONSITE AND CONFIRMED SIZE. 331-234-0780. NATURAL GAS.
 TH #13 - EXPOSED 22" METALLIC PIPELINE BRIEFLY HEAVY ROCKS AND GROUNDWATER INFILTRATED THE TEST HOLE. JOSH HAWKINS WITH TC/ANR WAS ONSITE AND CONFIRMED PIPE SIZE. 331-234-0780. NATURAL GAS.
 TH #14 - BRIEFLY EXPOSED 36" NATURAL GAS PIPELINE. HOWEVER GROUND SOIL BEGAN TO CAVE IN THE TEST HOLE. PROBED TO CONFIRM SIZE WITH ONEOK PIPELINE. WATCH AND PROTECT AGENT ELLIOT BARTON WAS ON SITE AND CONFIRMED SIZE. 779-260-8426.
 TH #15 - EXPOSED THE 36" NATURAL GAS PIPELINE. ELLIOT BARTON WITH ONEOK PIPELINE WATCH & PROTECTION WAS ONSITE AND CONFIRMED THE SIZE OF THE PIPELINE.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.



Accurate
 72 00 NO. 116390 (01) 102 101
 SECTION COUNTY TOTAL SHEETS
 202 154 # WILL 1
 CONTRACT NO. 62P71
 SHEET NO. TO STA. FED. ROAD DIST. NO. ILLINOIS JOB NO.

DESIGNED BY	
DRAWN	KLC
CHECKED	KFS
DATE	5/31/22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

1-80 AND SOUTH RIVER ROAD
JOLIET, IL

Test Hole No.	Top of Utility	4/15/2022-5/17/2022	Manual Depth (FT)	UTILITY QUALITY	Notes
1	20.40'	5.96'	14.44'	A	TH1 ON ENBRIDGE 24" METALLIC PIPELINE. TROY TOWESON WATCH PROTECTION ON SITE. 219-793-3214
2	17.04'	5.05'	11.99'	A	TH2 STEVE ADAMS WATCH AND PROTECT FROM BP PIPELINE ONSITE. 779-801-4969. 14" METALLIC PIPE
3	21.47'	6.88'	14.58'	A	TEST HOLE 3 ON THE ENBRIDGE 24" METALLIC PIPELINE. TROY TOWESON WATCH PROTECTION ON SITE 219-793-3214
4	20.54'	7.06'	13.48'	A	TH4 IS ON THE BP PIPELINE WHICH IS IN A 14" METALLIC CASING CROSSING -80. WE WERE ABLE TO VISUALLY SEE IT IN THE HOLE BRIEFLY BEFORE THE HOLE WAS FILLED WITH WATER. STEVE ADAMS WATCH PROTECTION FOR BP PIPELINE ONSITE 779-801-4969.
5	MANUAL	DEPTH	17.85'	B	UNABLE TO VISUALLY VERIFY UTILITY DUE TO GROUND WATER IN THE TEST HOLES. TAPPED WHAT WE BELIEVE TO BE THE UTILITY WITH OUR AIR LANCE TO VERIFY SHAPE, DEPTH REASONABLE WITH ELECTRONIC DEPTHS. TROY TOWESON WATCH PROTECTION ONSITE FOR ENBRIDGE PIPELINE 219-793-3214. 24" PIPELINE.
6	MANUAL	DEPTH	14.24'	B	DUE TO SOIL CONDITIONS AND RUNNING OUT OF TIME DUE TO LANE CLOSURE RESTRICTION, WE COULDN'T VISUALLY SEE THE BP GAS LINE, BUT WAS ABLE TO PROBE THE PIPELINE WITH OUR AIR LANCE TO VERIFY SHAPE, DEPTH REASONABLE WITH ELECTRONIC DEPTHS. STEVE ADAMS ON SITE FROM BP PIPELINE 779-801-4969. STEVE CONFIRMED IT TO BE THE
7	6.74'	4.10'	2.64'	A	FOUND UNKNOWN UTILITY - 2.5" METALLIC PIPE LINDEN AVENUE AND WILES AVENUE.
8	7.98'	4.92'	3.06'	A	EXPOSED THE 30" METALLIC PIPE. JACK DAVIS WITH KINDER MORGAN PIPELINE ONSITE. 815-955-2455. NATURAL GAS.
9	9.60'	4.63'	4.97'	A	EXPOSED THE 36" METALLIC PIPE. JACK DAVIS WITH KINDER MORGAN PIPELINE ON SITE. 815-955-2455. NATURAL GAS.
10	10.35'	4.90'	5.45'	A	EXPOSED THE 36" NATURAL GAS PIPELINE. ELLIOT BARTON WITH ONEOK PIPELINE WATCH & PROTECTION WAS ONSITE AND CONFIRMED THE SIZE OF THE PIPELINE.
11	MANUAL	DEPTH	4.76'	A	WE WERE ABLE TO BRIEFLY SEE THE 30" METALLIC PIPE WITHIN THE TEST HOLE BEFORE WATER INFILTRATED THE TEST HOLE. JACK DAVIS FROM KINDER MORGAN ON SITE AND CONFIRMED SIZE. 815-955-2455. NATURAL GAS PIPELINE.
12	8.80'	4.59'	4.21'	A	WE WERE ABLE TO BRIEFLY SEE THE 30" METALLIC PIPE BEFORE GROUNDWATER INFILTRATED THE TEST HOLE. WE HAD CONFIRMED AND PROBED THE 30" METALLIC PIPE. TC ENERGY PIPELINE RUNNING EAST AND WEST JOSH HAWKINS WITH TC/ANR PIPELINE WAS ONSITE AND CONFIRMED SIZE. 331-234-0780. NATURAL GAS.
13	7.21'	4.65'	2.56'	A	EXPOSED 22" METALLIC PIPELINE BRIEFLY DUE TO HEAVY ROCKS and GROUNDWATER INFILTRATING THE TEST HOLE. JOSH HAWKINS WITH TC/ANR WAS ON SITE AND CONFIRMED PIPE SIZE. 331-234-0780. NATURAL GAS.
14	MANUAL	DEPTH	9.90'	A	BRIEFLY EXPOSED 36" NATURAL GAS PIPELINE. HOWEVER GROUND SOIL BEGAN TO CAVE IN THE TEST HOLE. PROBED TO CONFIRM SIZE WITH ONEOK PIPELINE. WATCH AND PROTECT AGENT ELLIOT BARTON WAS ON
15	11.29'	6.61'	4.68'	A	EXPOSED THE 36" NATURAL GAS PIPELINE. ELLIOT BARTON WITH ONEOK PIPELINE WATCH & PROTECTION WAS ONSITE AND CONFIRMED THE SIZE OF THE PIPELINE.

Comments:



USER NAME = dbook	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/10/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UTILITY LOCATION
TEST HOLE REPORTS

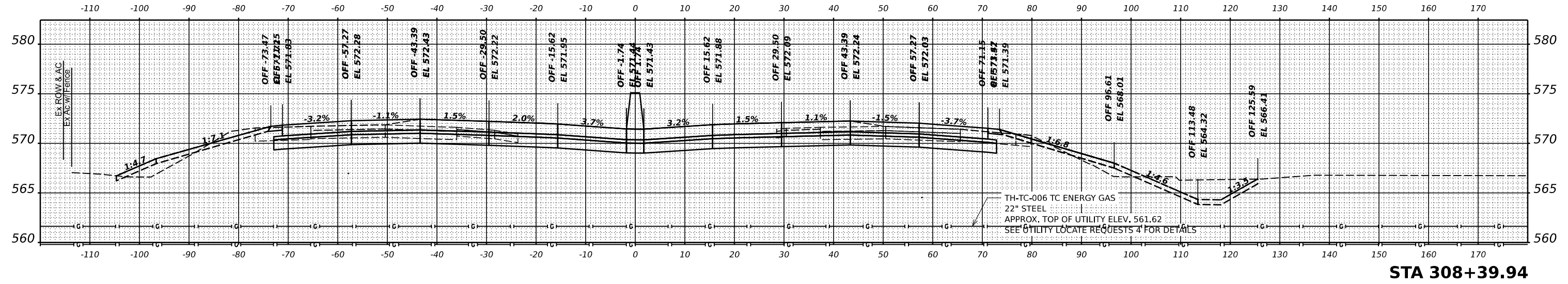
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 62R28	
		ILLINOIS	FED. AID PROJECT	

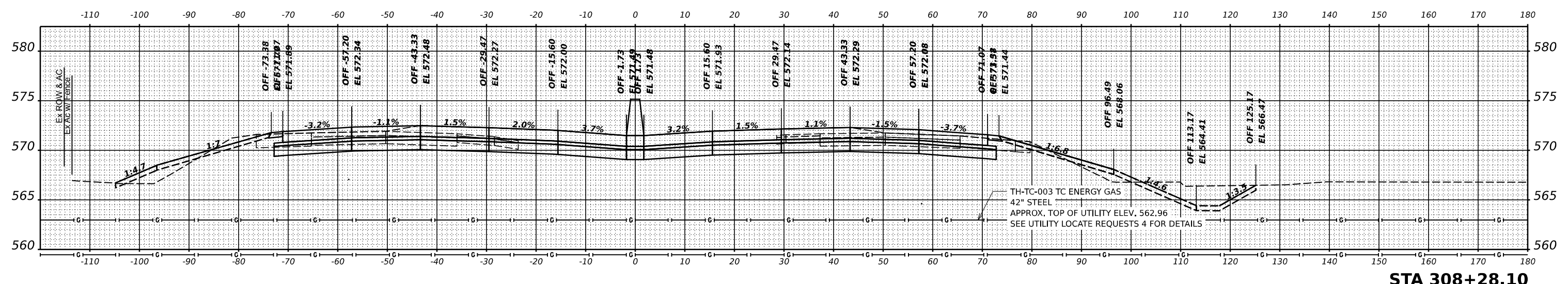
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NO.	TEMPLATE		
	AREAS CHECKED		

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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

MODEL: TC Energy Pipeline - 308+28.10-1
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STA 308+39.94



STA 308+28.10



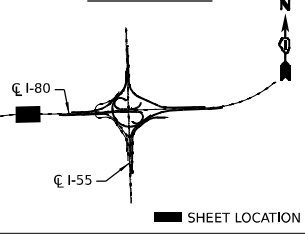
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS TC ENERGY PIPELINES			
SCALE: _____	SHEET 1	OF 1	SHEETS STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	330
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



BEGIN MOT PAVEMENT MARKING RESTORATION STA. 295+50.00

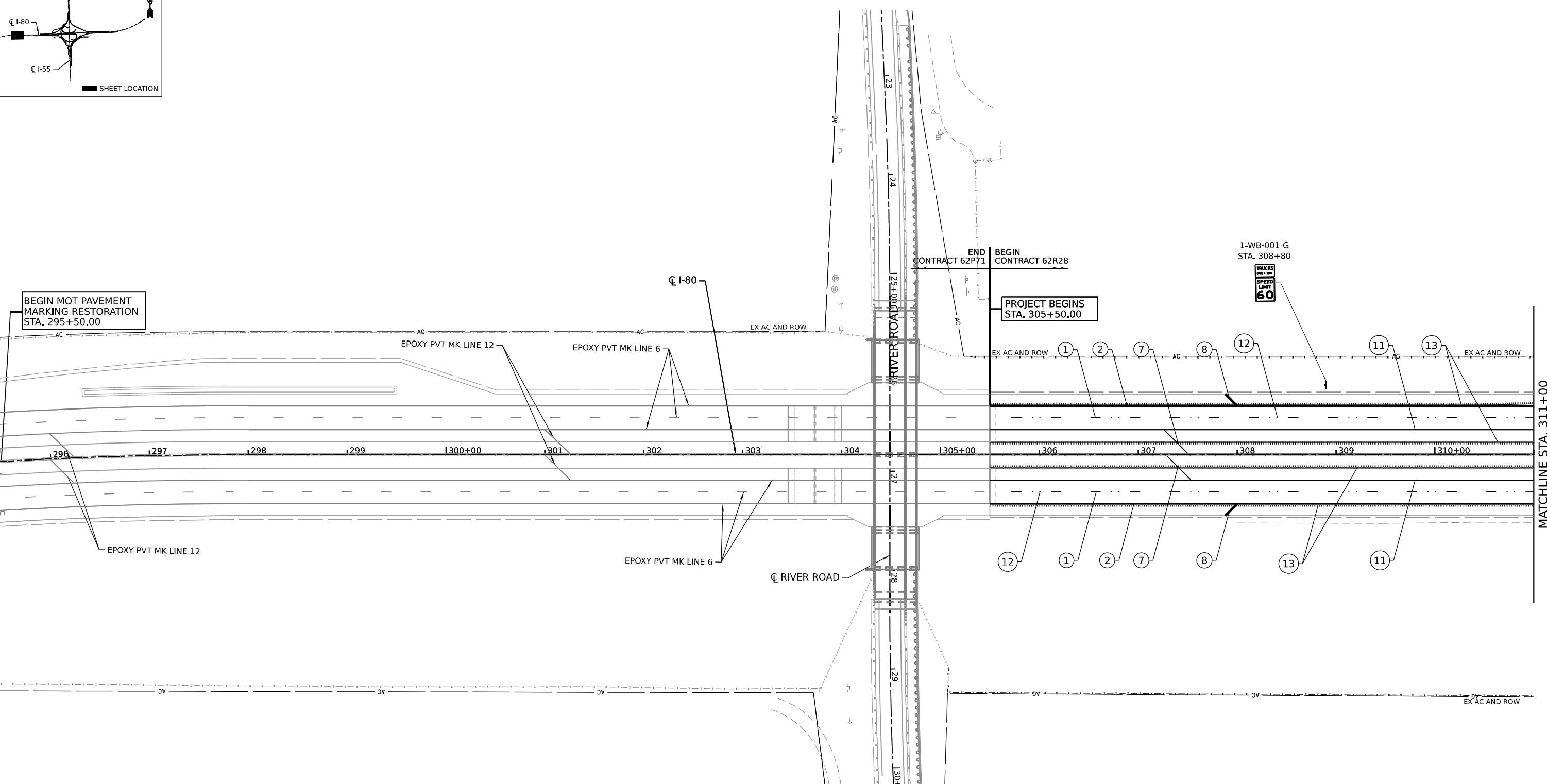
END CONTRACT 62P71 | BEGIN CONTRACT 62R28

PROJECT BEGINS STA. 305+50.00

1-WB-001-G STA. 308+80

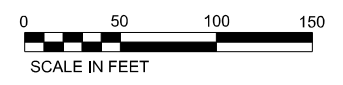


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LEGEND

- | | |
|--|---|
| ① PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 9" (CONTRAST, 10' LINE, 30' SKIP) | ⑥ MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE) |
| ② PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 6" (SOLID WHITE) | ⑦ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 500' SPACING OR PER PLAN) |
| ③ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 8" (SOLID WHITE) | ⑧ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS @ 500' SPACING OR PER PLAN) |
| ④ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 11" (CONTRAST, 3' LINE, 9' SKIP) | ⑨ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' C-C) |
| ⑤ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 7" (CONTRAST, 2' LINE, 6' SKIP) | ⑩ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE) |
| ⑥ GROOVING FOR RECESSED PAVEMENT MARKING 10" | ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID YELLOW) |
| ⑦ GROOVING FOR RECESSED PAVEMENT MARKING 7" | ⑫ RAISED REFLECTIVE PAVEMENT MARKER |
| ⑧ GROOVING FOR RECESSED PAVEMENT MARKING 9" | ⑬ SHOULDER RUMBLE STRIPS, 16 INCH |
| ⑨ GROOVING FOR RECESSED PAVEMENT MARKING 12" | |
| ⑩ GROOVING FOR RECESSED PAVEMENT MARKING 8" | |



USER NAME = dbook	DESIGNED -	REVISED -
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PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

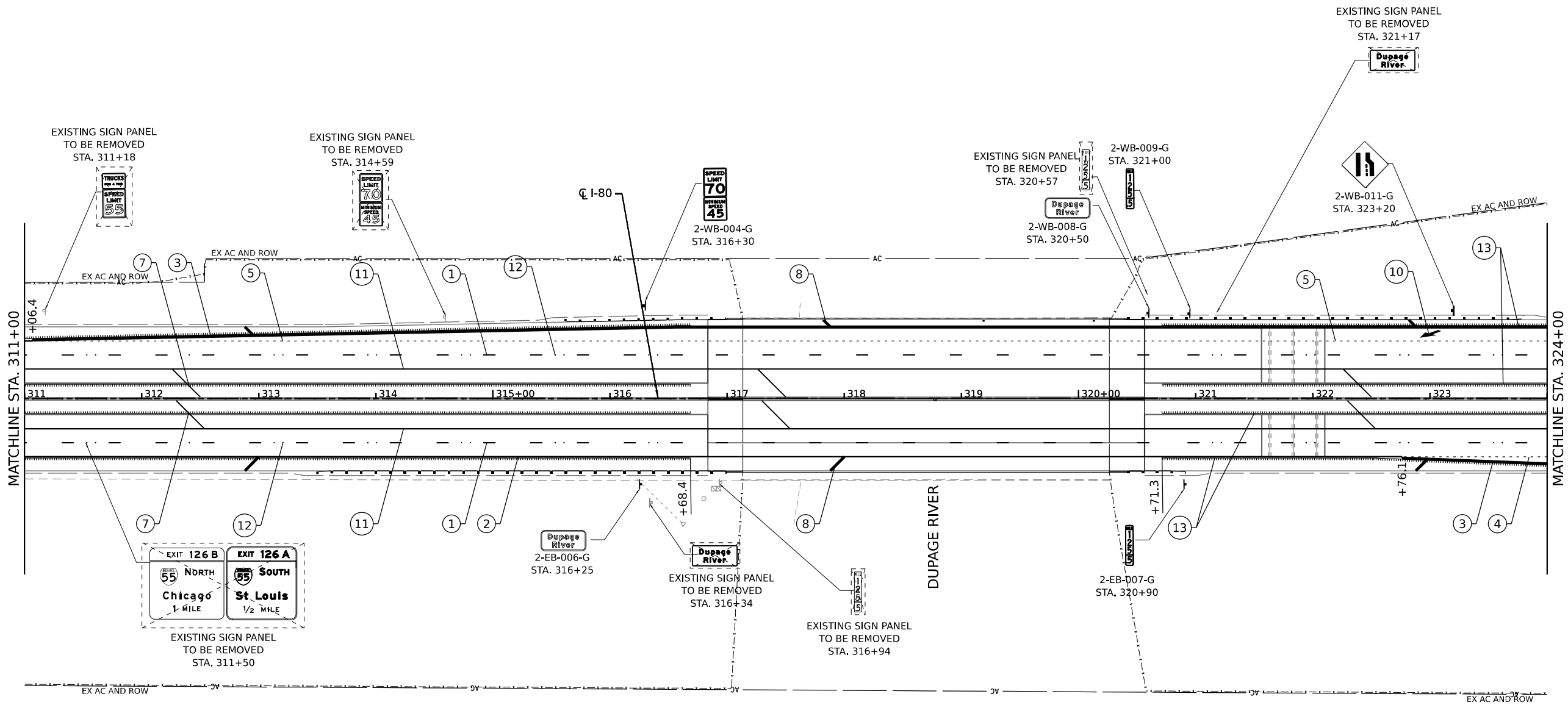
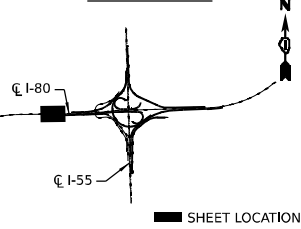
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: SHEET 1 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	331
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

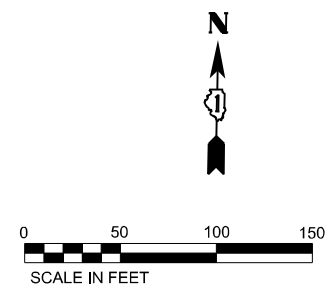
KEY PLAN



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LEGEND

- | | |
|--|---|
| ① PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 9" (CONTRAST, 10' LINE, 30' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 10" | ⑥ MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE) |
| ② PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 6" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 7" | ⑦ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 500' SPACING OR PER PLAN) |
| ③ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 8" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 9" | ⑧ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS @ 500' SPACING OR PER PLAN) |
| ④ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 11" (CONTRAST, 3' LINE, 9' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 12" | ⑨ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' C-C) |
| ⑤ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 7" (CONTRAST, 2' LINE, 6' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 8" | ⑩ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE) |
| | ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID YELLOW) |
| | ⑫ RAISED REFLECTIVE PAVEMENT MARKER |
| | ⑬ SHOULDER RUMBLE STRIPS, 16 INCH |



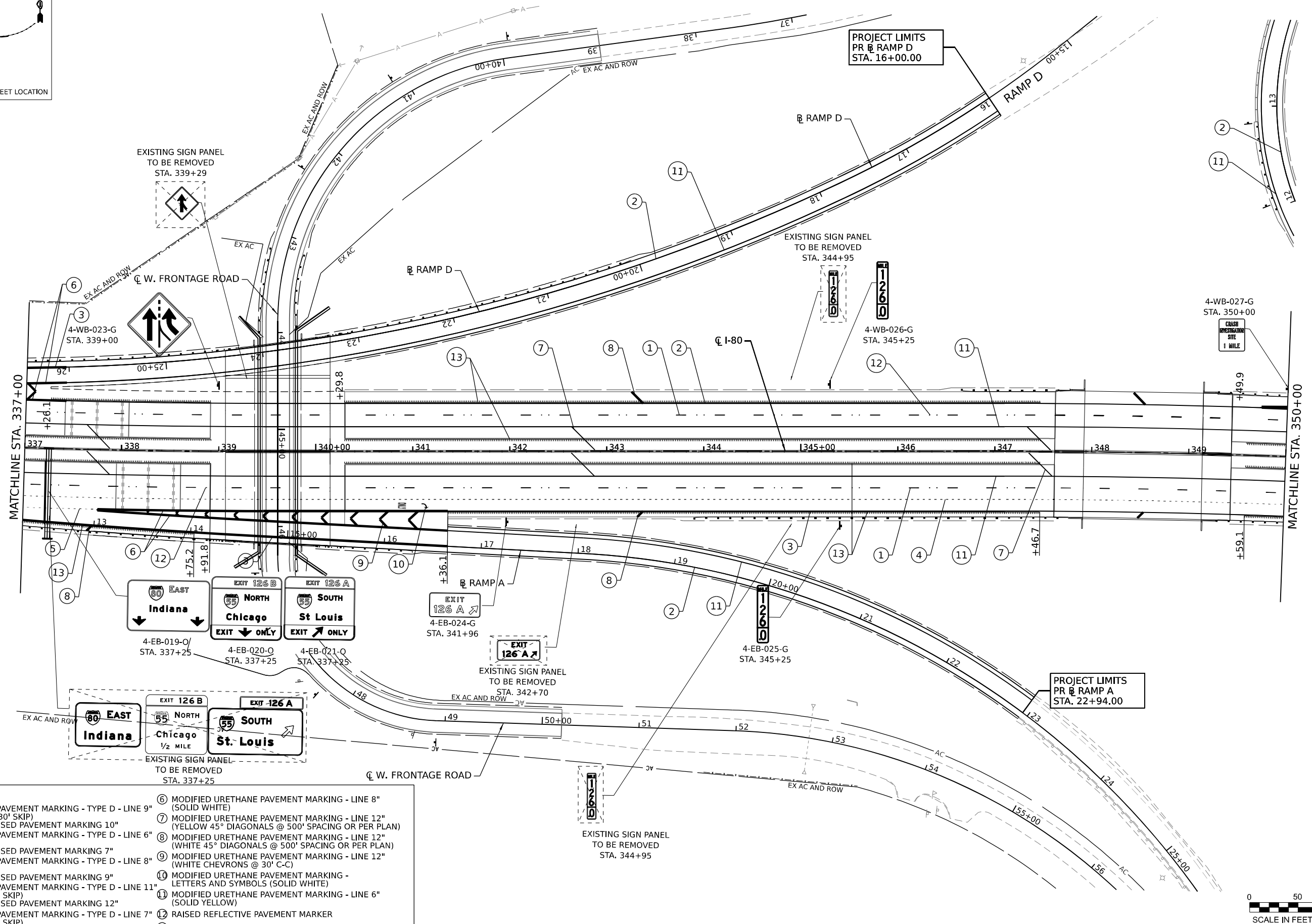
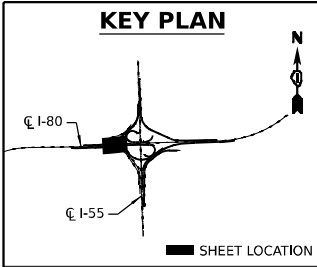
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PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: SHEET 2 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	332
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	



LEGEND

- 1 PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 9" (CONTRAST, 10' LINE, 30' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 10"
- 2 PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 6" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- 3 PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 8" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 9"
- 4 PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 11" (CONTRAST, 3' LINE, 9' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 12"
- 5 PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 7" (CONTRAST, 2' LINE, 6' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 8"
- 6 MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- 7 MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- 8 MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- 9 MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' C-C)
- 10 MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE)
- 11 MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID YELLOW)
- 12 RAISED REFLECTIVE PAVEMENT MARKER
- 13 SHOULDER RUMBLE STRIPS, 16 INCH

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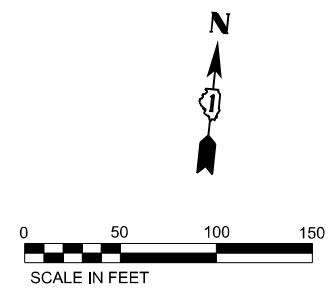
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

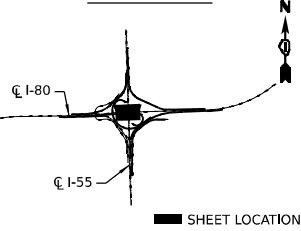
PAVEMENT MARKING AND SIGNING PLAN

SCALE: SHEET 4 OF 12 SHEETS STA. TO STA.

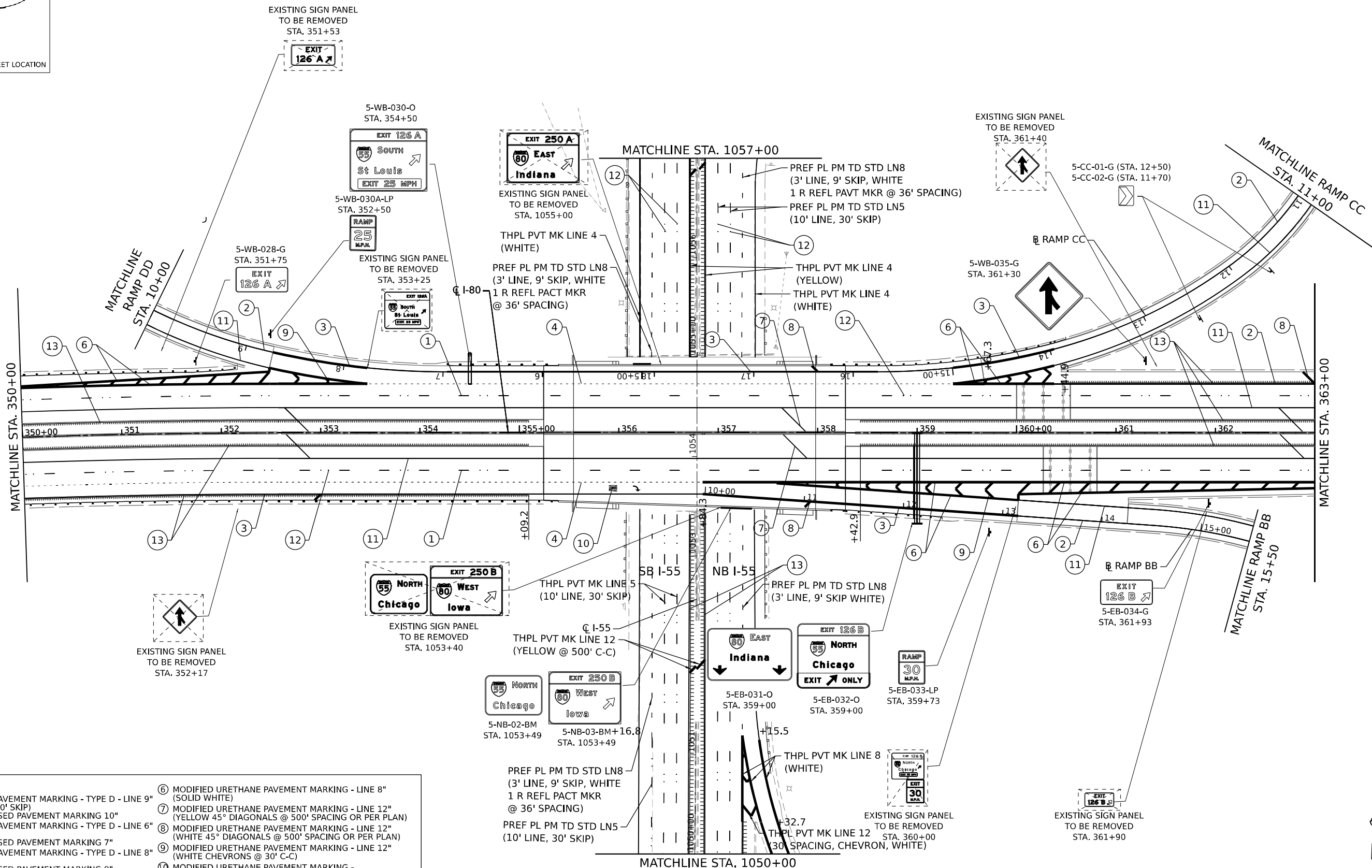
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	334
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



KEY PLAN



SHEET LOCATION



LEGEND

- ① PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 9" (CONTRAST, 10' LINE, 30' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 10"
- ② PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 6" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ③ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 8" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 9"
- ④ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 11" (CONTRAST, 3' LINE, 9' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 12"
- ⑤ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 7" (CONTRAST, 2' LINE, 6' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 8"
- ⑥ MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' C-C)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID YELLOW)
- ⑫ RAISED REFLECTIVE PAVEMENT MARKER
- ⑬ SHOULDER RUMBLE STRIPS, 16 INCH

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

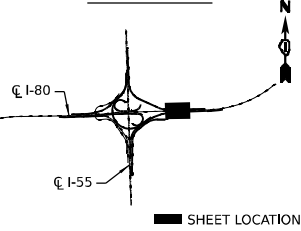
PAVEMENT MARKING AND SIGNING PLAN

SCALE: SHEET 5 OF 12 SHEETS STA. TO STA.

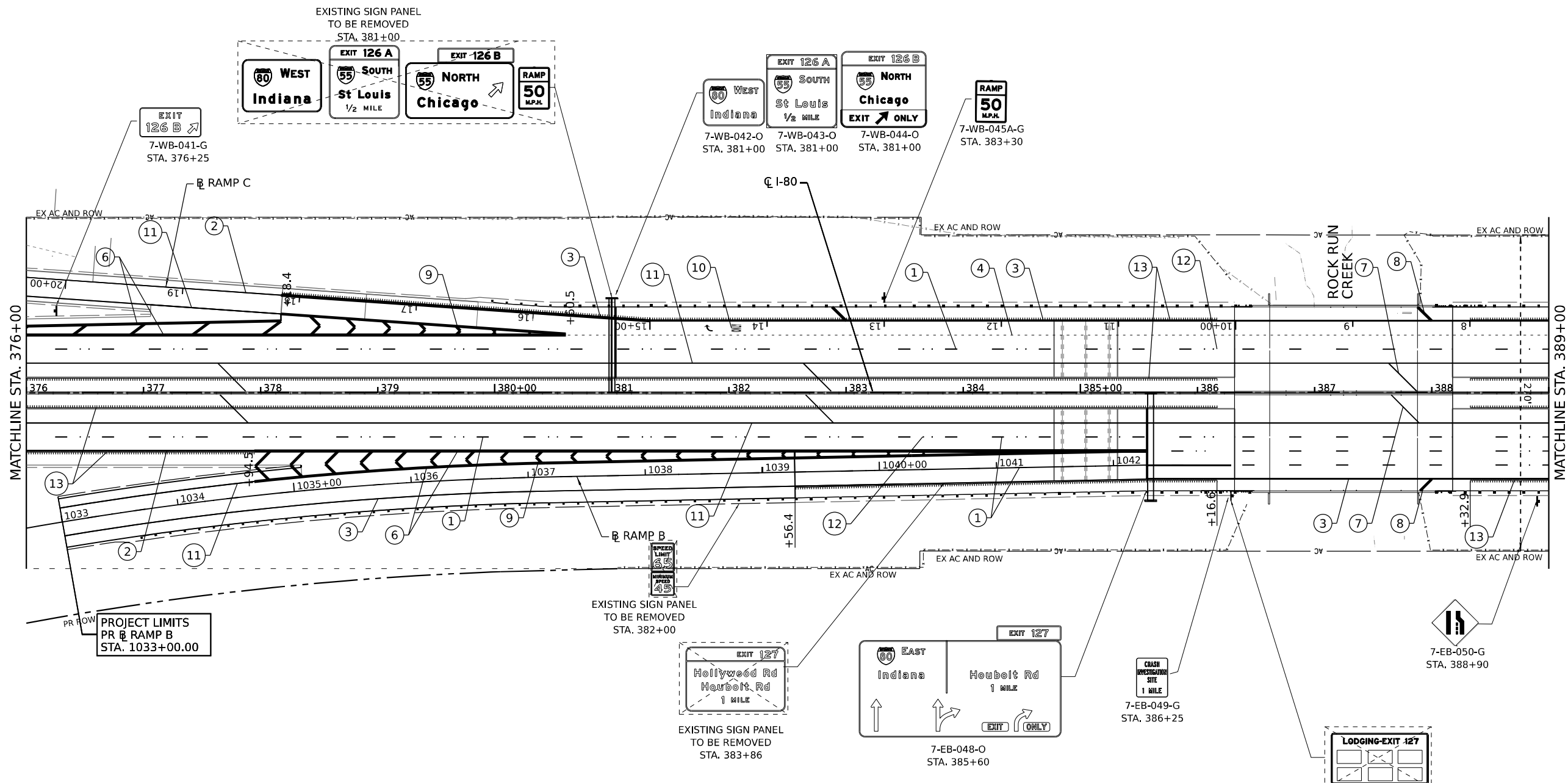
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I-80	FAI 80 21 STRUCTURE 7	WILL	1059	335
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	



KEY PLAN



SHEET LOCATION



LEGEND

- ① PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 9" (CONTRAST, 10' LINE, 30' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 10"
- ② PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 6" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ③ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 8" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 9"
- ④ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 11" (CONTRAST, 3' LINE, 9' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 12"
- ⑤ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 7" (CONTRAST, 2' LINE, 6' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 8"
- ⑥ MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' C-C)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID YELLOW)
- ⑫ RAISED REFLECTIVE PAVEMENT MARKER
- ⑬ SHOULDER RUMBLE STRIPS, 16 INCH

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

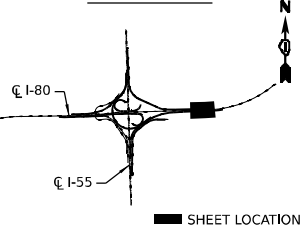
PAVEMENT MARKING AND SIGNING PLAN

SCALE: SHEET 7 OF 12 SHEETS STA. TO STA.

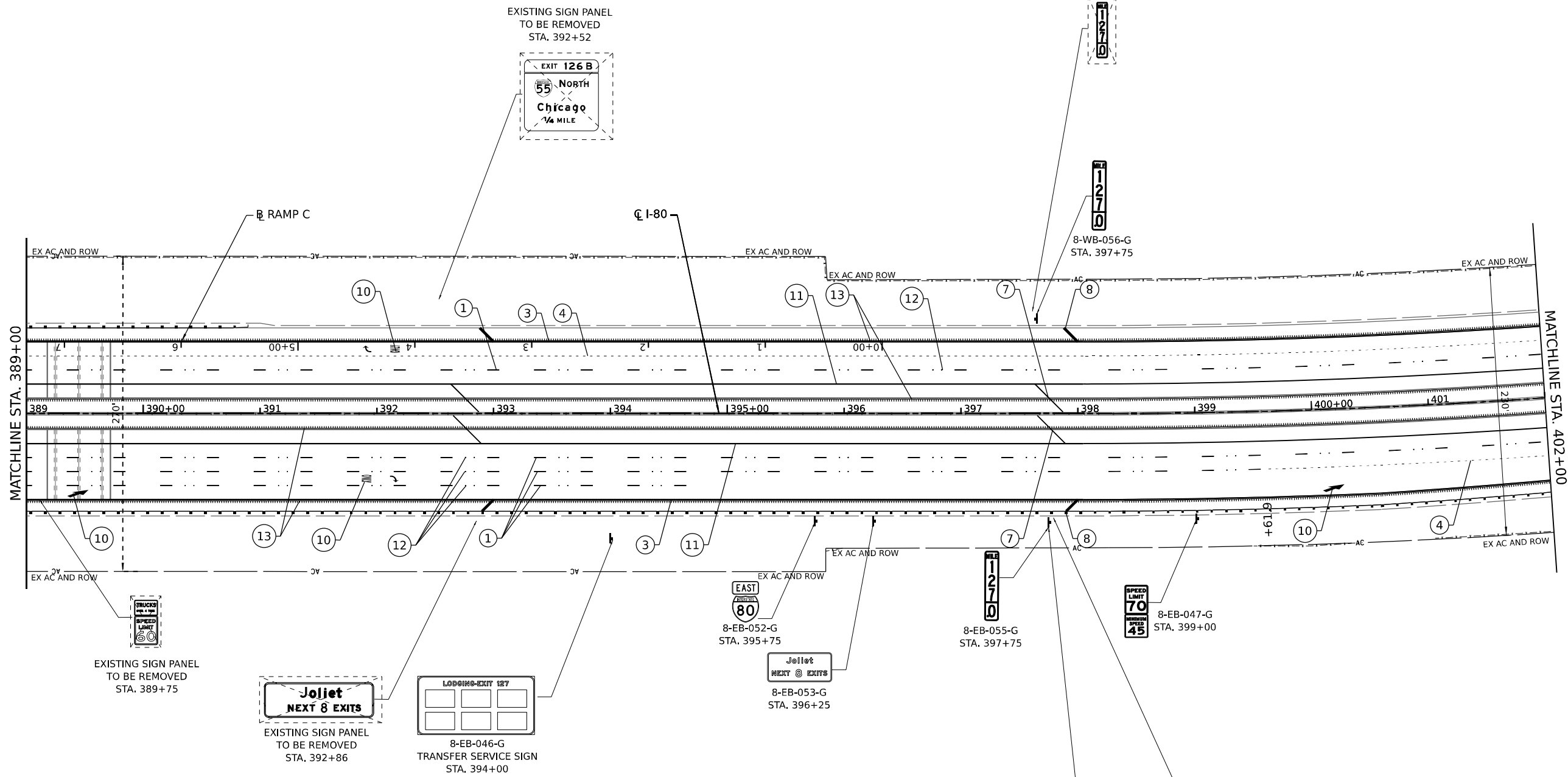
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	337
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	



KEY PLAN



SHEET LOCATION



LEGEND

- ① PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 9" (CONTRAST, 10' LINE, 30' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 10"
- ② PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 6" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ③ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 8" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 9"
- ④ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 11" (CONTRAST, 3' LINE, 9' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 12"
- ⑤ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 7" (CONTRAST, 2' LINE, 6' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 8"
- ⑥ MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' C-C)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID YELLOW)
- ⑫ RAISED REFLECTIVE PAVEMENT MARKER
- ⑬ SHOULDER RUMBLE STRIPS, 16 INCH



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PLOT DATE = 8/10/2023	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

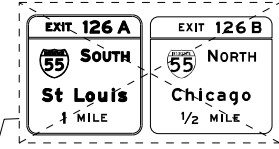
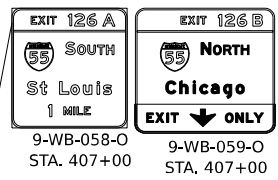
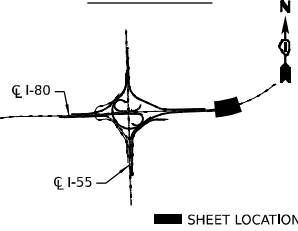
SCALE: SHEET 8 OF 12 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	338
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R28	



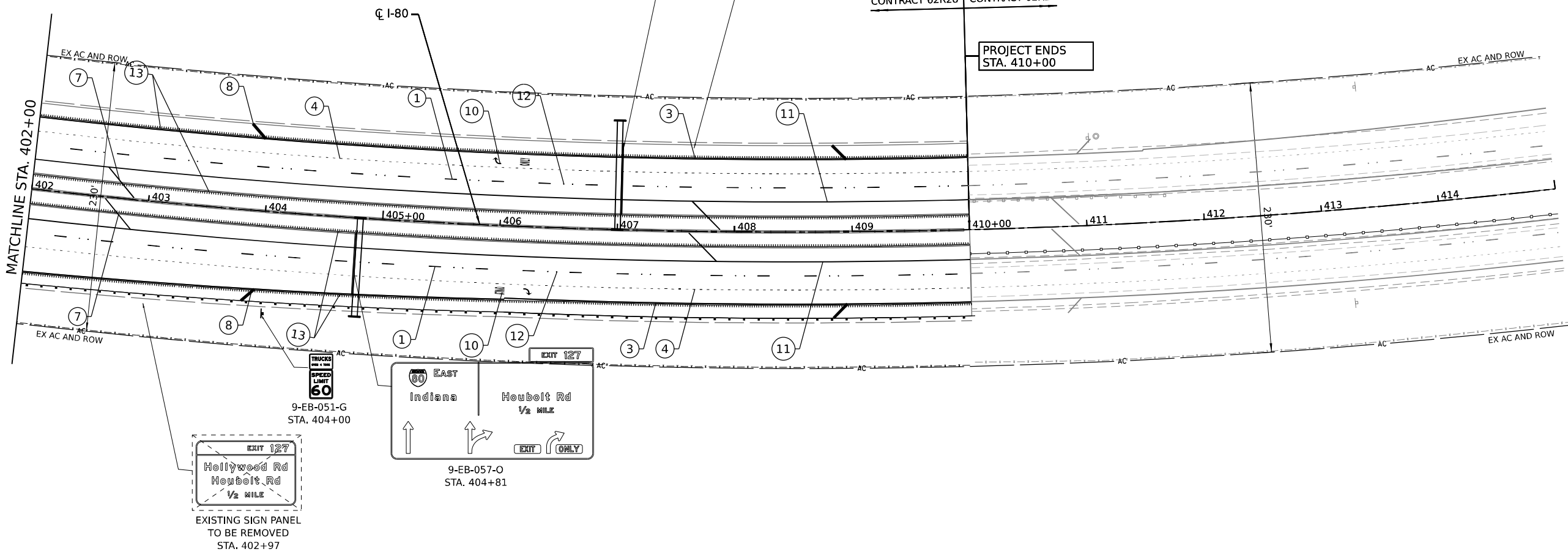
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KEY PLAN



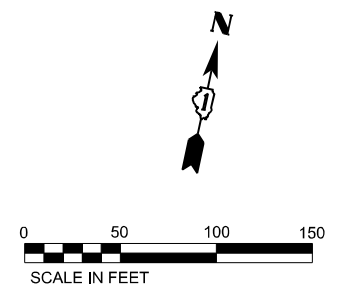
EXISTING SIGN PANEL TO BE REMOVED STA. 407+54
 END CONTRACT 62R28
 BEGIN CONTRACT 62R27

PROJECT ENDS STA. 410+00



LEGEND

- ① PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 9" (CONTRAST, 10' LINE, 30' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 10"
- ② PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 6" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ③ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 8" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 9"
- ④ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 11" (CONTRAST, 3' LINE, 9' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 12"
- ⑤ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 7" (CONTRAST, 2' LINE, 6' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 8"
- ⑥ MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' C-C)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID YELLOW)
- ⑫ RAISED REFLECTIVE PAVEMENT MARKER
- ⑬ SHOULDER RUMBLE STRIPS, 16 INCH



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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

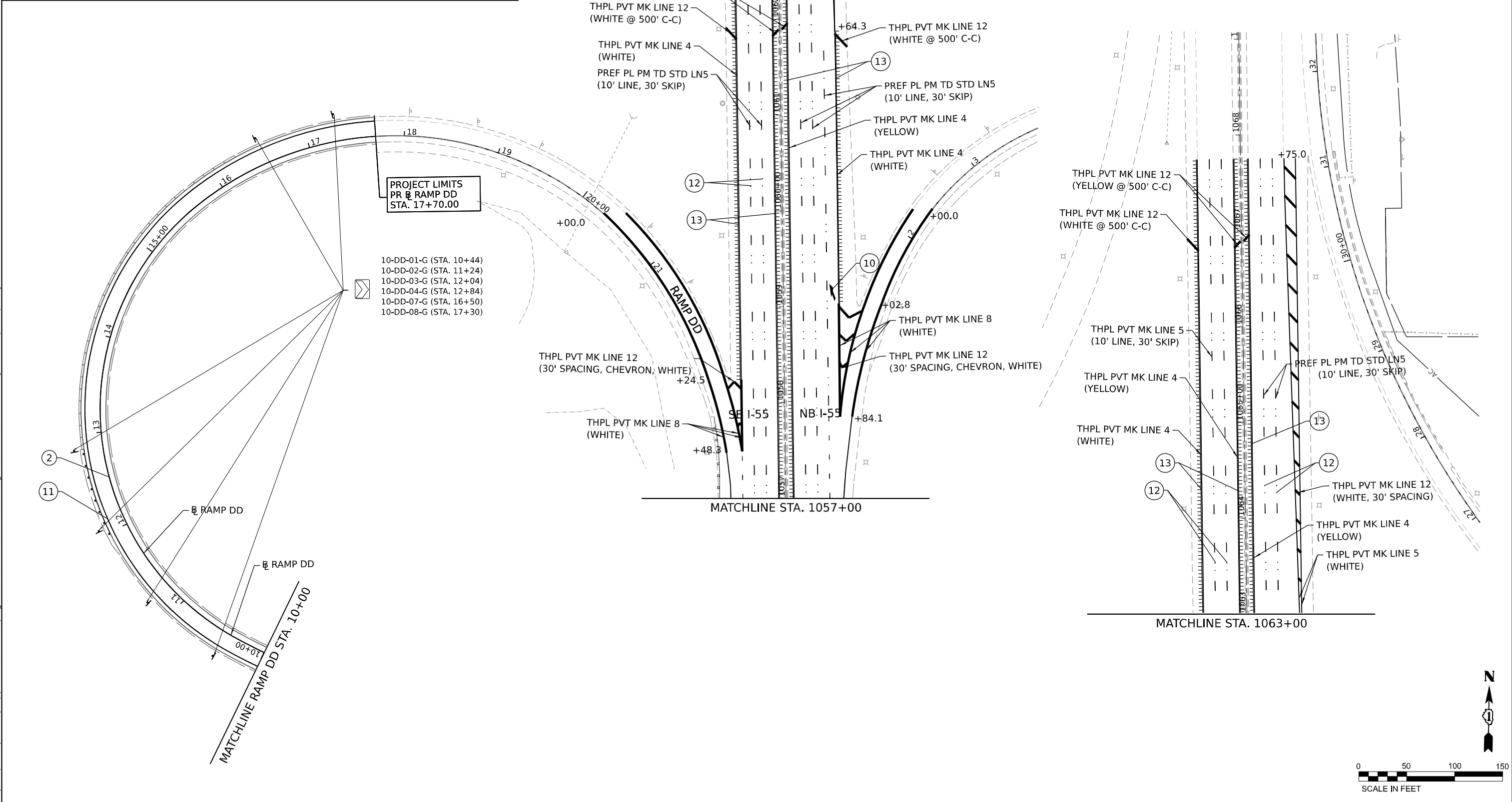
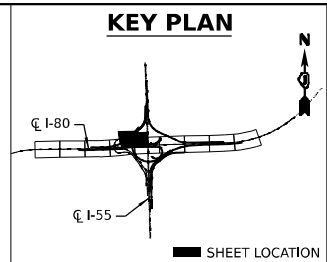
PAVEMENT MARKING AND SIGNING PLAN

SCALE: SHEET 9 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	339
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

LEGEND

- ① PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 9" (CONTRAST, 10' LINE, 30' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 10"
- ② PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 6" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ③ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 8" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 9"
- ④ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 11" (CONTRAST, 3' LINE, 9' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 12"
- ⑤ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 7" (CONTRAST, 2' LINE, 6' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 8"
- ⑥ MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' C-C)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID YELLOW)
- ⑫ RAISED REFLECTIVE PAVEMENT MARKER
- ⑬ SHOULDER RUMBLE STRIPS, 16 INCH



PROJECT LIMITS
PR RAMP DD
STA. 17+70.00

- 10-DD-01-G (STA. 10+44)
- 10-DD-02-G (STA. 11+24)
- 10-DD-03-G (STA. 12+04)
- 10-DD-04-G (STA. 12+84)
- 10-DD-07-G (STA. 16+50)
- 10-DD-08-G (STA. 17+30)



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PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

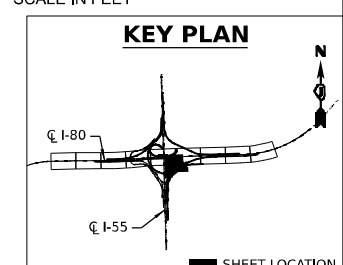
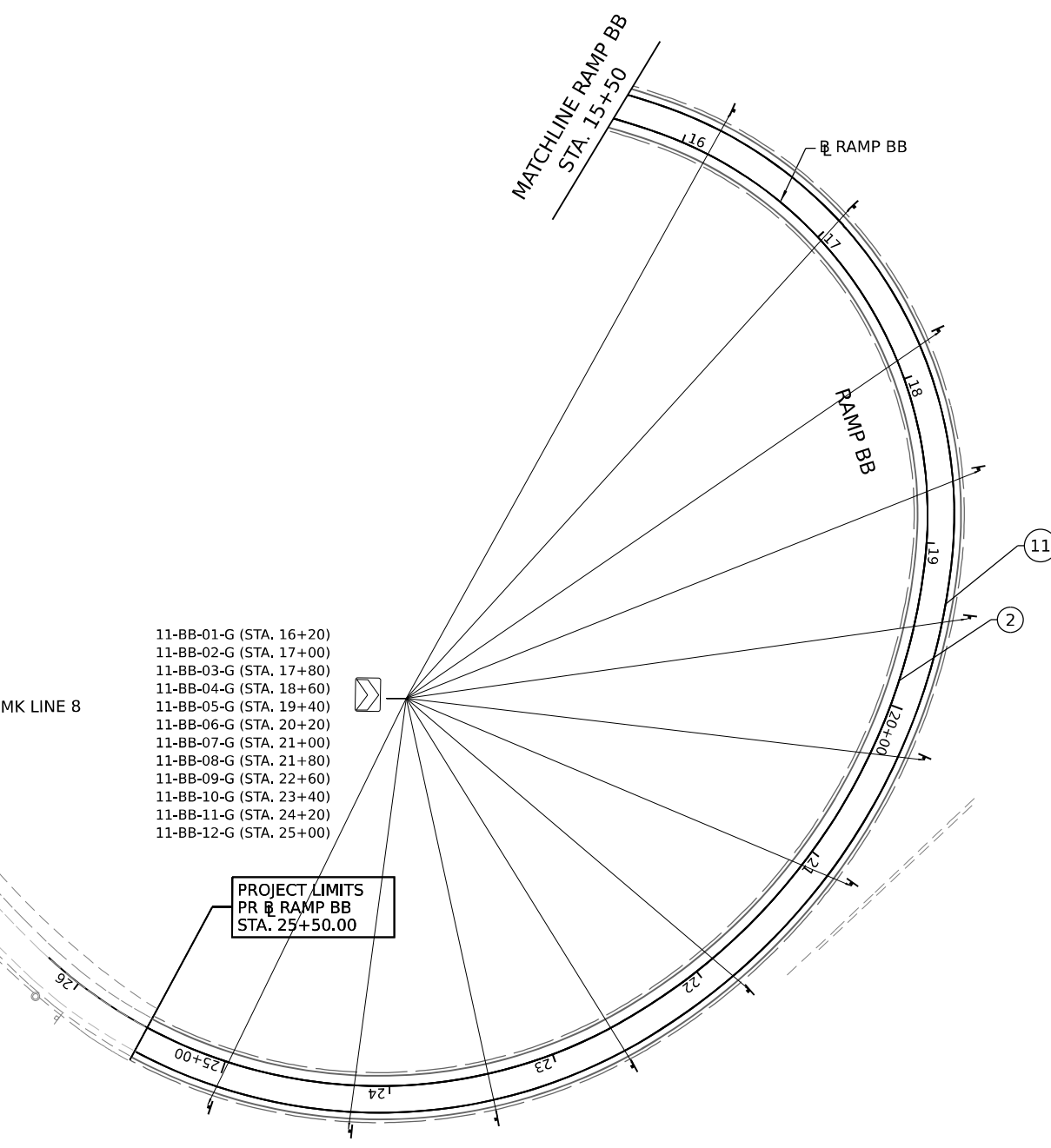
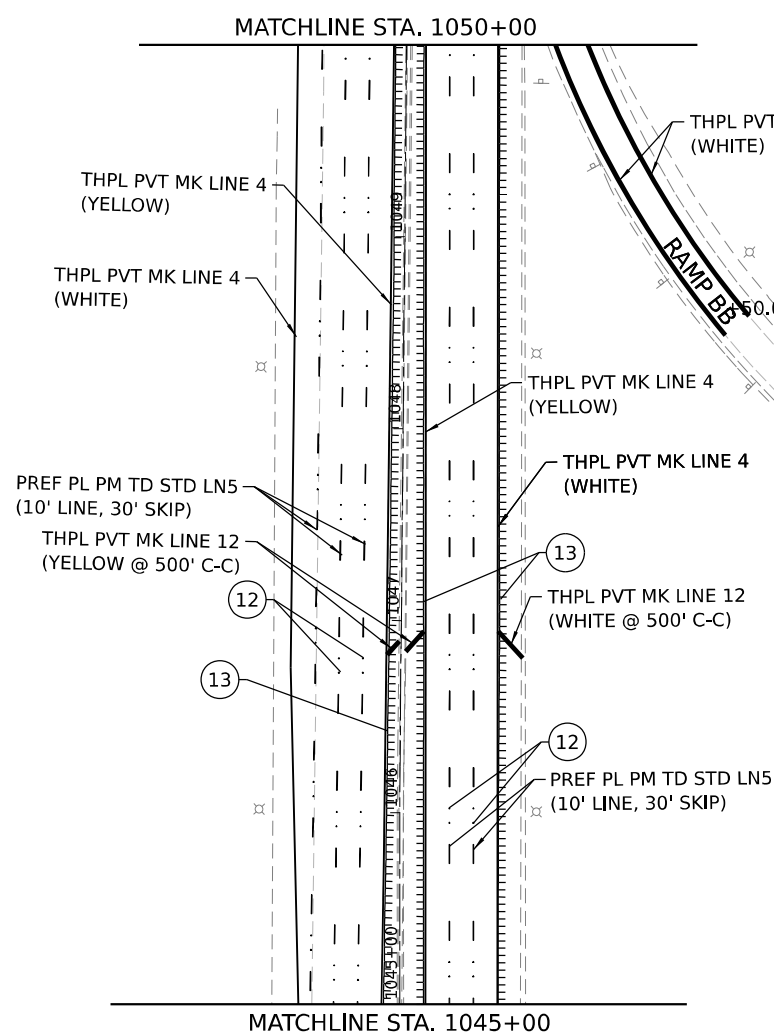
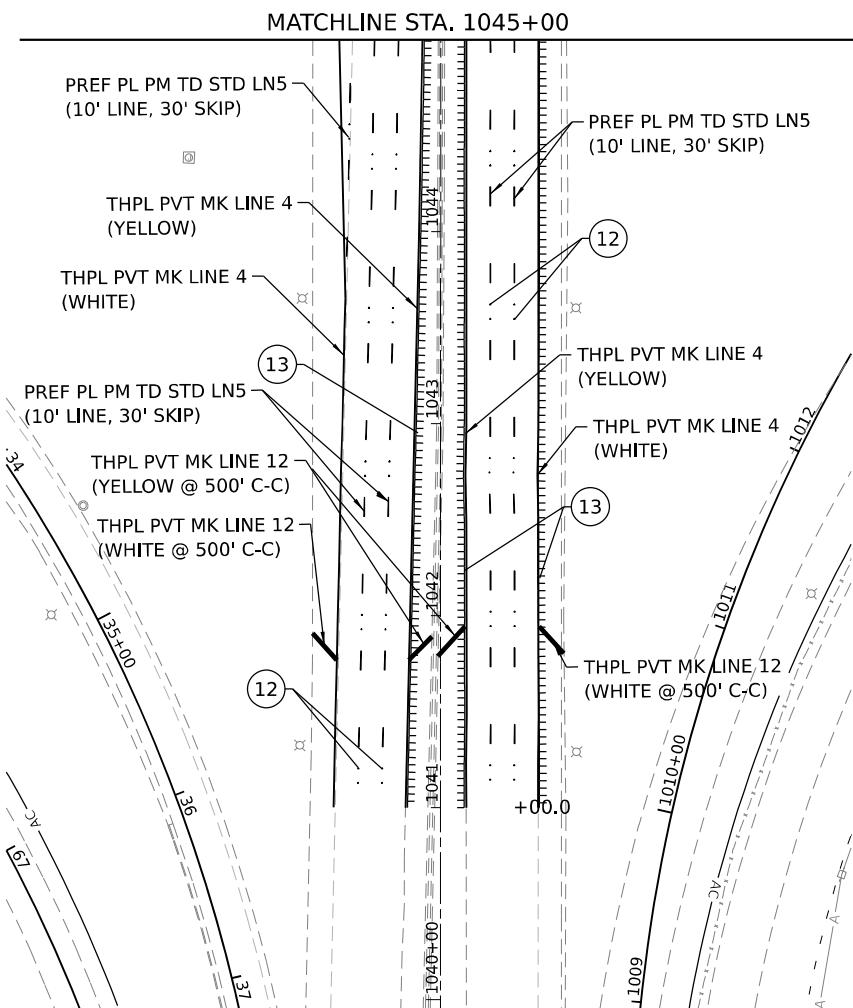
PAVEMENT MARKING AND SIGNING PLAN

SCALE: SHEET 10 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	340
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

LEGEND

- ① PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 9" (CONTRAST, 10' LINE, 30' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 10"
- ② PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 6" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ③ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 8" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 9"
- ④ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 11" (CONTRAST, 3' LINE, 9' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 12"
- ⑤ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 7" (CONTRAST, 2' LINE, 6' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 8"
- ⑥ MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE 45° DIAGONALS @ 500' SPACING OR PER PLAN)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE CHEVRONS @ 30' C-C)
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (SOLID WHITE)
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID YELLOW)
- ⑫ RAISED REFLECTIVE PAVEMENT MARKER
- ⑬ SHOULDER RUMBLE STRIPS, 16 INCH



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USER NAME = jstrouse	DESIGNED -	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -
PLOT DATE = 9/20/2023	CHECKED -	REVISED -
	DATE -	REVISED -

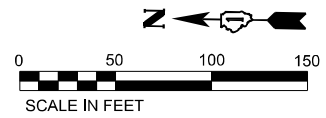
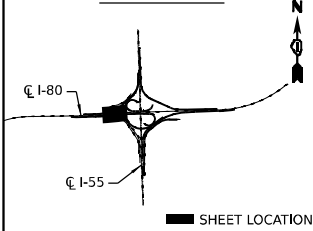
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: SHEET 11 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	341
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



PROJECT LIMITS
 C W. FRONTAGE ROAD
 STA. 39+00.00

PROJECT LIMITS
 PR RAMP D
 STA. 16+00.00

PROJECT LIMITS
 C W. FRONTAGE ROAD
 STA. 50+20.00

12-WF-01-G (STA. 39+93)
 12-WF-02-G (STA. 41+13)
 12-WF-03-G (STA. 42+33)

12-WF-05-G (STA. 46+98)
 12-WF-06-G (STA. 47+72)
 12-WF-07-G (STA. 48+92)

LEGEND

- ① PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 9" (CONTRAST, 10' LINE, 30' SKIP)
GROOVING FOR RECESSED PAVEMENT MARKING 10"
- ② PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 6" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 7"
- ③ PREFORMED PLASTIC PAVEMENT MARKING - TYPE D - LINE 8" (SOLID WHITE)
GROOVING FOR RECESSED PAVEMENT MARKING 9"
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- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (SOLID YELLOW)
- ⑫ RAISED REFLECTIVE PAVEMENT MARKER
- ⑬ SHOULDER RUMBLE STRIPS, 16 INCH

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 8/10/2023



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN

SCALE: SHEET 12 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	342
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R28	

MODEL: D:\info\...
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 PROJECT: ...
 DATE: ...

SIGN NAME	EXISTING LOCATION		PROPOSED LOCATION		TYPE	SIGN DESIGNATION	DESCRIPTION	EXISTING PANEL DIMENSIONS		PROPOSED PANEL DIMENSIONS		REMOVE SIGN PANEL T1 (SQ FT)	REMOVE SIGN PANEL T2 (SQ FT)	REMOVE SIGN PANEL T3 (SQ FT)	REMOVE SIGN PANEL ASSY TA (EACH)	REMOVE SIGN PANEL ASSY TB (EACH)	MILEPOST MARKER ASSEMBLY (EACH)	SIGN PANEL T1 (SQ FT)	SIGN PANEL T2 (SQ FT)	SIGN PANEL T3 (SQ FT)	TELES STL SIGN SUPPORT (FT)	WOOD SIGN SUPPORT P1/P2 (FT)	STRUCTURAL STEEL SIGN SUPPORT BREAKAWAY (POUND)	CONC FDN (CU YD)	REMOVE GR MT SIGN SUPPORT (EACH)	REMOVE CONC FDN-GR MT (EACH)	TRANSFER SERVICE SIGNS (EACH)	
	STATION	OFFSET	STATION	OFFSET				WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)																	
1-WB-001-G	311+18	LT	308+80	LT	ASSEMBLY	R2-1	SPEED LIMIT	4.0	5.0	4.0	5.0				1			20										
						R2-1109	TRUCKS OVER 4 TONS	4.0	2.5	4.0	2.5							10										
2-EB-002-O	311+50	RT			PANEL		GUIDE SIGN (EXIT 126 A 1/2 MILES)	12.0	13.0																			
2-EB-003-O	311+50	RT			PANEL		GUIDE SIGN (EXIT 126 B 1 MILES)	12.5	13.0																			
2-WB-004-G	314+59	LT	316+30	LT	ASSEMBLY	R2-1	SPEED LIMIT	4.0	5.0	4.0	5.0				1			20										
						R2-1102	MINIMUM SPEED LIMIT (PLAQUE)	4.0	3.0	4.0	3.0							12										
2-EB-006-G	316+34	RT	316+25	RT	PANEL	I1-1104	DUPAGE RIVER	6.0	2.0	5.5	2.5		12.0												2	2		
2-EB-007-G	316+94	RT	320+90	RT	PANEL	D10-3a	MILE MARKER 125.5	1.0	5.0	1.0	5.0				1	1												
2-WB-008-G	321+17	LT	320+50	LT	PANEL	I1-1104	DUPAGE RIVER	6.0	2.0	5.5	2.5		12.0											2	2			
2-WB-009-G	320+57	LT	321+00	LT	PANEL	D10-3a	MILE MARKER 125.5	1.0	5.0	1.0	5.0				1	1												
2-WB-010-G	326+50	LT			ASSEMBLY	M3-3	WEST	3.0	1.5						1													
						M1-1	INTERSTATE I-80	3.0	3.0																			
2-WB-011-G			323+20	LT	PANEL	W4-2	LANE ENDS			4.0	4.0																	
3-EB-012-O			325+60	RT	PANEL		GUIDE SIGN (INDIANA LEFT TWO LANES)			17.0	10.5																	
3-EB-013-O			325+60	RT	PANEL		GUIDE SIGN (EXIT 126 A-B 2 EXIT ARROW)			15.5	15.5																	
3-EB-014-G	326+53	RT	326+20	RT	ASSEMBLY	R2-1	SPEED LIMIT	4.0	5.0	4.0	5.0				1			20										
						R2-1102	MINIMUM SPEED LIMIT (PLAQUE)	4.0	3.0	4.0	3.0							12										
3-WB-015-G			326+90	LT	PANEL		CRASH SITE INVESTIGATION 1/2 MILE			4.0	5.0																	
3-WB-016-G			328+90	LT	ASSEMBLY	M3-3	WEST			3.0	1.5						4.5											
						M1-1	INTERSTATE I-80			3.0	3.0						9											
3-EB-017-G	329+37	RT	330+50	RT	ASSEMBLY	R2-1	SPEED LIMIT	4.0	5.0	4.0	5.0				1			20										
						R2-1109	TRUCKS OVER 4 TONS	4	2.5	4.0	2.5							10										
3-EB-018-G	336+12	RT	336+12	RT	PANEL	W13-3	RAMP 50 M.P.H.	3.0	4.0	3.0	4.0		12.0					12										
4-EB-019-O	337+25	RT	337+25	RT	PANEL		GUIDE SIGN (I-80 EAST INDIANA)	12.0	12.5	17.0	10.5																	
4-EB-020-O	337+25	RT	337+25	RT	PANEL		GUIDE SIGN (EXIT 126 B)	12.6	12.6	14.5	13.0																	
4-EB-021-O	337+25	RT	337+25	RT	PANEL		GUIDE SIGN (EXIT 126 A RIGHT)	14.5	12.0	14.5	13.0																	
4-EB-022-G	339+29	LT			PANEL	W4-1	MERGE	4.0	4.0				16.0															
4-WB-023-G			339+00	LT	PANEL	W4-3	ADDED LANE			4.0	4.0																	
4-EB-024-G	342+70	RT	341+96	RT	PANEL		GUIDE SIGN (EXIT 126 A)	10.5	5.0	10.5	5.0																	
4-EB-025-G	344+95	RT	345+25	RT	PANEL	D10-3a	MILE MARKER 126.0	1.0	5.0	1.0	5.0				1	1												
4-WB-026-G	344+95	LT	345+25	LT	PANEL	D10-3a	MILE MARKER 126.0	1.0	5.0	1.0	5.0				1	1												
4-WB-027-G			350+00	LT	PANEL		CRASH SITE INVESTIGATION 1 MILE			4.0	5.0																	
5-WB-028-G	351+53	LT	351+75	LT	PANEL		GUIDE SIGN (EXIT 126 A)	10.5	5.0	10.5	5.0																	
5-EB-029-G	352+17	RT			PANEL	W4-1	MERGE	4.0	4.0				16.0															
5-WB-030-O	353+25	LT	354+50	LT	PANEL		GUIDE SIGN (EXIT 126A SOUTH ST. LOUIS)	14.5	12.5	15.5	12.5																	
5-WB-030A-LP			352+50	LT	PANEL	W13-3	RAMP 25 M.P.H.			3.0	4.0																	
5-EB-031-O			359+00	RT	PANEL		GUIDE SIGN (INDIANA LEFT TWO LANES)			17.0	10.5																	
5-EB-032-O	360+00	RT	359+00	RT	PANEL		GUIDE SIGN (EXIT 126B NORTH CHICAGO)	14.5	12.0	14.5	13.0																	
5-EB-033-LP	361+34	RT	359+73	RT	PANEL	W13-3	RAMP 30 M.P.H.	3.0	4.0	3.0	4.0		12.0															
5-EB-034-G	361+90	RT	361+93	RT	PANEL		GUIDE SIGN (EXIT 126 B)	10.5	5.0	10.5	5.0																	
5-WB-035-G	361+40	LT	361+30	LT	PANEL	W4-1	MERGE	4.0	4.0	4.0	4.0		16.0															
5-SB-01-BM	1055+00	LT			PANEL		GUIDE SIGN (EXIT 250 A EAST INDIANA)	14.5	12.5																			
5-NB-02-BM	1053+40	RT	1053+49	RT	PANEL		GUIDE SIGN (I-55 NORTH CHICAGO)	12.0	12.5	11.5	8.0																	
5-NB-03-BM	1053+40	RT	1053+49	RT	PANEL		GUIDE SIGN (EXIT 250 B WEST IOWA)	14.5	12.5	14.5	10.0																	
5-CC-01-G	12+47	LT	12+50	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0																
5-CC-02-G	10+51	LT	11+70	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0																
6-CC-03-G			10+90	LT	PANEL	W1-8R	CHEVRON RIGHT			1.5	2.0																	
6-CC-04-G			10+10	LT	PANEL	W1-8R	CHEVRON RIGHT			1.5	2.0																	
6-EB-036-G	369+74	RT			PANEL	W4-1	MERGE	4.0	4.0				16.0															
6-EB-037-G	373+23	RT			ASSEMBLY	M3-3	EAST	3.0	1.5						1													
						M1-1	INTERSTATE I-80	3.0	3.0																			
6-WB-038-G	371+23	LT	370+10	LT	PANEL	D10-3a	MILE MARKER 126.5	1.0	5.0	1.0	5.0				1	1												
6-EB-039-G			370+10	RT	PANEL	D10-3a	MILE MARKER 126.5			1.0	5.0																	
6-EB-040-G			375+25	RT	PANEL	W4-3	ADDED LANE			4.0	4.0																	
7-WB-041-G	375+25	LT	376+25	LT	PANEL		GUIDE SIGN (EXIT 126 B)	10.5	5.0	10.5	5.0																	
7-WB-042-O	381+00	LT	381+00	LT	PANEL		GUIDE SIGN (I-80 WEST IOWA)	12.0	12.5	10.5	8.0																	
7-WB-043-O	381+00	LT	381+00	LT	PANEL		GUIDE SIGN (EXIT 126 A 1/2 MILES)	12.0	12.5	12.0	12.5																	
7-WB-044-O	381+00	LT	381+00	LT	PANEL		GUIDE SIGN (EXIT 126 B NORTH CHICAGO)	14.5	12.5	14.5	13.0																	
7-WB-045-O	381+00	LT			PANEL	W13-3	RAMP 5																					

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 PROJECT: ...
 DATE: ...

SIGN NAME	EXISTING LOCATION		PROPOSED LOCATION		TYPE	SIGN DESIGNATION	DESCRIPTION	EXISTING PANEL DIMENSIONS		PROPOSED PANEL DIMENSIONS		REMOVE SIGN PANEL T1 (SQ FT)	REMOVE SIGN PANEL T2 (SQ FT)	REMOVE SIGN PANEL T3 (SQ FT)	REMOVE SIGN PANEL ASSY TA (EACH)	REMOVE SIGN PANEL ASSY TB (EACH)	MILEPOST MARKER ASSEMBLY (EACH)	SIGN PANEL T1 (SQ FT)	SIGN PANEL T2 (SQ FT)	SIGN PANEL T3 (SQ FT)	TELES STL SIGN SUPPORT (FT)	WOOD SIGN SUPPORT P1/P2 (FT)	STRUCTURAL STEEL SIGN SUPPORT BREAKAWAY (POUND)	CONC FDN (CU YD)	REMOVE GR MT SIGN SUPPORT (EACH)	REMOVE CONC FDN-GR MT (EACH)	TRANSFER SERVICE SIGNS (EACH)
	STATION	OFFSET	STATION	OFFSET				WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)																
7-EB-050-G			388+90	RT	PANEL	W4-3	ADDED LANE			4.0	4.0							16			18						
8-EB-046-G	386+30	RT	394+00	RT	PANEL		GENERAL SERVICE SIGN (LODGING EXIT 127)	17.0	10.5	20.0	10.0			178.5					200				1040	3	2	2	6
8-EB-047-G	382+00	RT	399+00	RT	ASSEMBLY	R2-1	SPEED LIMIT	4.0	5.0	4.0	5.0							20									
						R2-1102	MINIMUM SPEED LIMIT (PLAQUE)	4.0	3.0	4.0	3.0				1			12				20.0					
8-EB-052-G			395+75	RT	ASSEMBLY	M3-3	EAST			3.0	1.5						4.5										
						M1-1	INTERSTATE I-80			3.0	3.0						9					16.5					
8-EB-053-G	392+86	RT	396+25	RT	PANEL		GUIDE SIGN (JOLLIET NEXT 8 EXITS)	11.0	5.0	11.0	5.0			55					55				473	2	2	2	
8-WB-054-G	392+52	LT			PANEL		GUIDE SIGN (EXIT 126B)	14.5	12.0					174											2	2	
8-EB-055-G	397+76	RT	397+75	RT	PANEL	D10-3a	MILE MARKER 127	1.0	5.0	1.0	5.0					1											
8-WB-056-G	397+76	LT	397+75	LT	PANEL	D10-3a	MILE MARKER 127	1.0	5.0	1.0	5.0					1											
*8-EB-060-G	397+76	RT			PANEL		GENERAL SERVICE SIGN (FOOD EXIT 127)	17.0	10.5					178.5											2	2	6
9-EB-051-G	389+75	RT	404+00	RT	ASSEMBLY	R2-1	SPEED LIMIT	4.0	5.0	4.0	5.0							20									
						R2-1109	TRUCKS OVER 4 TONS	4.0	2.5	4.0	2.5							10				19.5					
							GUIDE SIGN (EXIT 127 1/2 MILE)	15.0	9.5	34.5	16.5			142.5						569.25					2	2	
9-EB-057-O	402+97	RT	404+81	RT	PANEL		EXIT 127			11.0	2.5							27.5									
9-WB-058-O	407+54	LT	407+00	LT	PANEL		GUIDE SIGN (EXIT 126 A 1 MILE)	12.5	12.5	12.0	12.5																
9-WB-059-O	407+54	LT	407+00	LT	PANEL		GUIDE SIGN (EXIT 126 B)	12.5	12.5	14.5	13.0																
10-DD-01-G	10+44	LT	10+44	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
10-DD-02-G	11+47	LT	11+24	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
10-DD-03-G	14+08	LT	12+04	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
10-DD-04-G	14+73	LT	12+84	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
10-DD-05-G	15+38	LT			PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0			3.0															
10-DD-06-G	16+03	LT			PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0			3.0															
10-DD-07-G	16+71	LT	16+50	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
10-DD-08-G	17+37	LT	17+30	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
11-BB-01-G	16+50	LT	16+20	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
11-BB-02-G	17+50	LT	17+00	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
11-BB-03-G	20+00	LT	17+80	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
11-BB-04-G	20+69	LT	18+60	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
11-BB-05-G	21+36	LT	19+40	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
11-BB-06-G	22+06	LT	20+20	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
11-BB-07-G	22+71	LT	21+00	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
11-BB-08-G	23+35	LT	21+80	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
11-BB-09-G	24+01	LT	22+60	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
11-BB-10-G	24+66	LT	23+40	LT	PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0	3.0															
11-BB-11-G			24+20	LT	PANEL	W1-8R	CHEVRON RIGHT			1.5	2.0																
11-BB-12-G			25+00	LT	PANEL	W1-8R	CHEVRON RIGHT			1.5	2.0																
X-AA-01-G	350+46				PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0			3.0															
X-AA-02-G	350+24				PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0			3.0															
X-AA-03-G	350+63				PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0			3.0															
X-AA-04-G	351+19				PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0			3.0															
X-AA-05-G	351+84				PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0			3.0															
X-AA-06-G	352+60				PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0			3.0															
X-AA-07-G	353+34				PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0			3.0															
X-AA-08-G	354+02				PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0			3.0															
X-AA-09-G	354+68				PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0			3.0															
X-AA-10-G	355+23				PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0			3.0															
X-AA-11-G	355+98				PANEL	W1-8R	CHEVRON RIGHT	1.5	2.0			3.0															
12-WF-01-G	40+64	RT	39+93	RT	ASSEMBLY	W1-8L	CHEVRON LEFT	1.5	2.0	1.5	2.0							3									
						W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0								3								
12-WF-02-G	41+53	RT	41+13	RT	ASSEMBLY	W1-8L	CHEVRON LEFT	1.5	2.0	1.5	2.0								3								
						W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0								3								
12-WF-03-G	42+04	RT	42+33	RT	ASSEMBLY	W1-8L	CHEVRON LEFT	1.5	2.0	1.5	2.0								3								
						W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0								3								
12-WF-04-G	46+49	RT	46+49	RT	PANEL	W1-2L	LEFT CURVE	3.0	3.0	3.0	3.0	9.0							9								
12-WF-05-G	46+98	RT	46+98	RT	ASSEMBLY	W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0								3								
						W1-8L	CHEVRON LEFT			1.5	2.0								3								
12-WF-06-G	47+52	RT	47+72	RT	ASSEMBLY	W1-8L	CHEVRON LEFT	1.5	2.0	1.5	2.0								3								
						W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0								3								
12-WF-07-G	48+68	RT	48+92	RT	ASSEMBLY	W1-8L	CHEVRON LEFT	1.5	2.0	1.5	2.0								3								
						W1-8R	CHEVRON RIGHT	1.5	2.0	1.5	2.0								3								

* TRANSFER SERVICE SIGN COORDINATION REQUIRED WITH ADJACENT CONTRACT 62R27

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SIGN NAME	PROPOSED LOCATION							TYPE	DESCRIPTION	PROPOSED PANEL DIMENSIONS		TEMPORARY INFORMATION SIGNING
	STAGE 1	WINTER STAGE 2	STAGE 2A	STAGE 2B	STAGE 2C	STAGE 2D	OFFSET			WIDTH (FT)	HEIGHT (FT)	(SQ FT)
MOT-1-G	311+50	311+50	311+50	311+50	311+50	311+50	RT	PANEL	GUIDE SIGN (EXT 126A 1/2 MILE)	12.0	12.5	150
MOT-2-G	337+25	338+85	338+85	338+85	332+75	332+75	RT	PANEL	GUIDE SIGN (EXIT 126A)	15.5	10.0	155
MOT-3-G	381+00	381+00	381+00	386+00	386+00	386+00	LT	PANEL	GUIDE SIGN (EXIT 126B)	15.5	10.0	155
MOT-4-G	410+00	410+00	410+00	410+00	410+00	410+00	LT	PANEL	GUIDE SIGN (EXT 126B 1/2 MILE)	12.0	12.5	150
MOT-5-G	303+50	303+50	303+50	303+50	303+50	303+50	RT	PANEL	GUIDE SIGN (EXIT 126B 1 MILE)	12.0	12.5	150
MOT-6-G	325+50	325+50	325+50	325+50	325+50	325+50	RT	PANEL	GUIDE SIGN (EXIT 126B 1/2 MILE)	12.0	12.5	150
MOT-7-G			359+00	345+40	352+20	352+20	RT	PANEL	GUIDE SIGN (EXIT 126B)	15.5	10.0	155
MOT-12-G			1052+60		1052+60	1052+60	RT	PANEL	GUIDE SIGN (EXIT 250B)	14.5	10.5	152.25
MOT-13-G	404+00	404+00	404+00		404+00	404+00	LT	PANEL	GUIDE SIGN (EXIT 126A 1 MILE)	12.0	12.5	150
MOT-14-G	388+85	388+85	388+85		394+00	394+00	LT	PANEL	GUIDE SIGN (EXIT 126A 1/2 MILE)	12.0	12.5	150
MOT-15-G		373+25	373+25		354+50	354+50	LT	PANEL	GUIDE SIGN (EXIT 126A)	15.5	10.0	155
EX-GM-EB-14	383+86	383+86	383+86	383+86	383+86	383+86	RT	PANEL	GUIDE SIGN (EXIT 127 1 MILE)	15.0	9.5	142.5
EX-GM-EB-15	386+30	386+30	386+30	386+30	386+30	386+30	RT	PANEL	GENERAL SERVICE SIGN (LODGING EXT 127)	17.0	10.5	178.5
EX-GM-EB-16	392+86	392+86	392+86	392+86	392+86	392+86	RT	PANEL	GUIDE SIGN (JOLIET NEXT 8 EXITS)	11.0	5.0	55
EX-GM-EB-17	397+76	397+76	397+76	397+76	397+76	397+76	RT	PANEL	GENERAL SERVICE SIGN (FOOD EXT 127)	17.0	10.5	178.5
EX-GM-EB-18	402+97	402+97	402+97	402+97	402+97	402+97	RT	PANEL	GUIDE SIGN (EXIT 127 1/2 MILE)	15.0	9.5	142.5

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

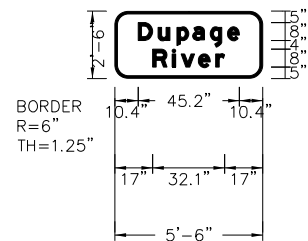
**TEMPORARY INFORMATION
SIGNING SCHEDULE**

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	345
			CONTRACT NO. 62R28	
		ILLINOIS	FED. AID PROJECT	

SIGN DETAIL

1:100



Panel Style: guide_exp_boundary.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: guide_exp_boundary.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	2-EB-006-G / 2-WB-008-G
WIDTH x HGHT.	5'-6" x 2'-6"
BORDER WIDTH	1.25"
CORNER RADIUS	6"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)														LENGTH	SERIES/SIZE		
D	u	p	a	g	e											EM 2000	
10.4	19.3	27.8	34.8	42.6	50.3											45.2	86
R	i	v	e	r													EM 2000
17	25.6	29.5	37.3	45												32.1	86

MODEL: D:\stl\... FILE NAME: ... PROJECT: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING DETAIL

SCALE: SHEET 1 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	346
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

SIGN DETAIL

1:100



Panel Style: guide_exp_overhead.ssi
Dimensions are in inches.tenths

Panel Style: guide_exp_overhead.ssi
M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	3-EB-013-0
WIDTH x HGHT.	15'-6" x 15'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: YellowWhiteWhite

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	75	107	36	36
ARDOWN	0	74.4	8	32	22

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

LETTER	X	Y	LENGTH	SERIES/SIZE
E	22.2	107	148.8	EM 2000
X	31.3	107	10,15	
I	42.6	107		
T	46.8	107		
S	56	107		
1	79.1	107		
2	88.1	107		
6	104.1	107		
A	123.7	107		
-	143.9	107		
B	158.9	107		
S	40.1	161	105.8	EM 2000
t	56.4	161	1612	
L	64.8	161		
o	80.8	161		
u	94.7	161		
i	110.5	161		
s	127.5	161		
C	43.7	165	98.6	EM 2000
h	61.2	165	1612	
i	78.1	165		
c	86.3	165		
a	100.4	165		
g	115.9	165		
o	131.4	165		
E	19.9	179	39.5	EM 2000
X	31.1	179	12	
I	45.1	179		
T	50.5	179		
O	118.4	179	47.8	EM 2000
N	131.4	179	12	
L	144.4	179		
Y	154	179		

MODEL: D:\data\... FILE NAME: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 / 1in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

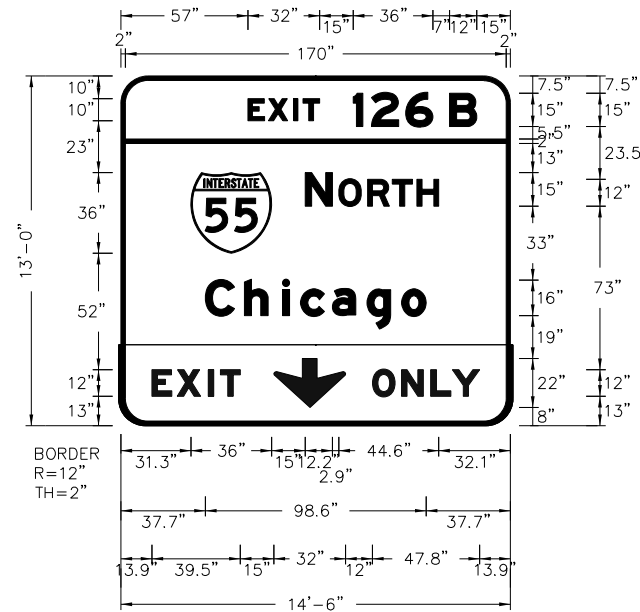
SIGNING DETAIL

SCALE: SHEET 3 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	348
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL

1:100



Panel Style: guide_exp_overhead.ssi
Dimensions are in inches.tenths

Panel Style: guide_exp_overhead.ssi
M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	4-EB-020-O / 9-WB-059-O
WIDTH x HGHT.	14'-6" x 13'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: YellowWhiteWhite

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	31.3	77	36	36
ARDOWN	0	68.4	8	32	22

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	Length	Series/Size
E	56.8	10	31.9	EM 2000
X	65.9	10	10	
I	77.1	10	10	
T	81.3	10	10	
N	82.3	23.5	59.7	EM 2000, E 2000
O	97.3	23.5	15,12	
R	110.1	23.5		
T	121.2	23.5		
H	132.2	23.5		
C	37.7	36	98.6	EM 2000
h	55.2	36	1612	
i	72.1	36		
c	80.3	36		
a	94.4	36		
g	109.9	36		
o	125.4	36		
E	13.9	52	39.5	EM 2000
X	25.1	52	12	
I	39.1	52		
T	44.5	52		
O	112.4	73	47.8	EM 2000
N	125.3	73	12	
L	138.4	73		
Y	148	73		

MODEL: D:\data\... FILE NAME: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 / 1in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

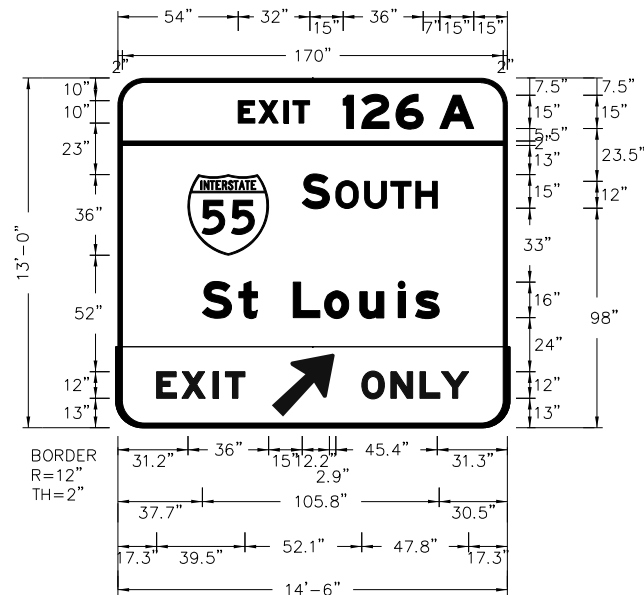
SIGNING DETAIL

SCALE: SHEET 4 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	349
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL

1:100



Panel Style: guide_exp_overhead.ssi
 Dimensions are in inches.tenths

Panel Style: guide_exp_overhead.ssi
 M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	4-EB-021-0
WIDTH x HGHT.	14'-6" x 13'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: YellowWhiteWhite

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	31.2	77	36	36
AR_Type A	315	-	-	22.3	35.6

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

LETTER	X	Y	WID	HT	LENGTH	SERIES/SIZE
E	53.8	77	36	36	31.9	EM 2000
X	62.9	77	36	36	10	
I	74.1	77	36	36		
T	78.3	77	36	36		
S	82.3	112	36	36	60.4	EM 2000,E 2000
O	97.3	112	36	36	15,12	
U	110.2	112	36	36		
T	121.9	112	36	36		
H	133	112	36	36		
S	37.7	147	105.8	16	105.8	EM 2000
t	54	147	105.8	16	1612	
L	62.4	147	105.8	16		
o	78.4	147	105.8	16		
u	92.3	147	105.8	16		
i	108.1	147	105.8	16		
s	125.1	147	105.8	16		
E	17.3	182	39.5	12	39.5	EM 2000
X	28.6	182	39.5	12	12	
I	42.5	182	39.5	12		
T	47.9	182	39.5	12		
O	108.9	182	47.8	12	47.8	EM 2000
N	121.9	182	47.8	12	12	
L	135	182	47.8	12		
Y	144.6	182	47.8	12		

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 SHEET: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 / 1in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

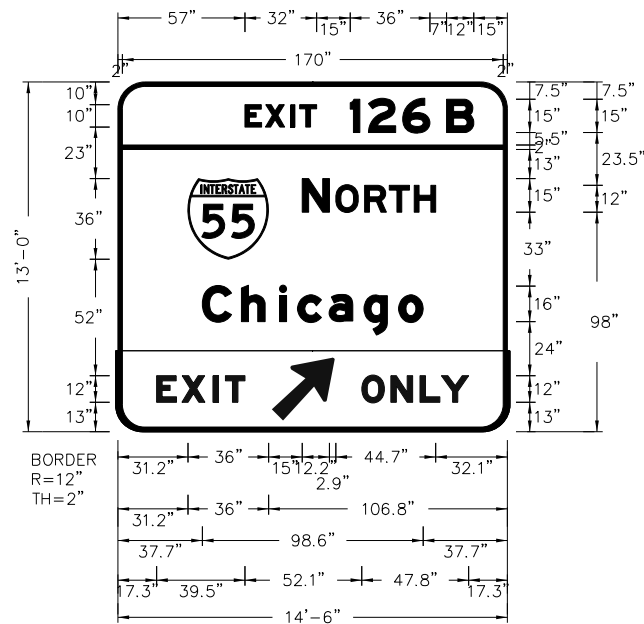
SIGNING DETAIL

SCALE: SHEET 5 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	350
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

SIGN DETAIL

1:100



BORDER
R=12"
TH=2"

Panel Style: guide_exp_overhead.ssi
M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	5-EB-032-O / 7-WB-044-O
WIDTH x HGHT.	14'-6" x 13'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: YellowWhiteWhite

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	31.2	77	36	36
AR_Type A	315	-	-	22.3	35.6

Panel Style: guide_exp_overhead.ssi
Dimensions are in inches.tenths

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

LETTER	X	Y	WID	HT	LENGTH	SERIES/SIZE
E	56.8	10	36	36	31.9	EM 2000
X	65.9	10	36	36	10	
I	77.1	10	36	36		
T	81.3	10	36	36		
N	82.3	23.5	36	36	59.7	EM 2000, E 2000
O	97.3	23.5	36	36	15,12	
R	110.1	23.5	36	36		
T	121.2	23.5	36	36		
H	132.2	23.5	36	36		
C	37.7	36	98.6	16	98.6	EM 2000
h	55.2	36	98.6	16	1612	
i	72.1	36	98.6	16		
c	80.3	36	98.6	16		
a	94.4	36	98.6	16		
g	109.9	36	98.6	16		
o	125.4	36	98.6	16		
E	17.3	52	39.5	12	39.5	EM 2000
X	28.5	52	39.5	12	12	
I	42.5	52	39.5	12		
T	47.9	52	39.5	12		
O	108.9	52	47.8	12	47.8	EM 2000
N	121.9	52	47.8	12	12	
L	135	52	47.8	12		
Y	144.6	52	47.8	12		

MODEL: D:\data\... FILE NAME: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 / 1in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

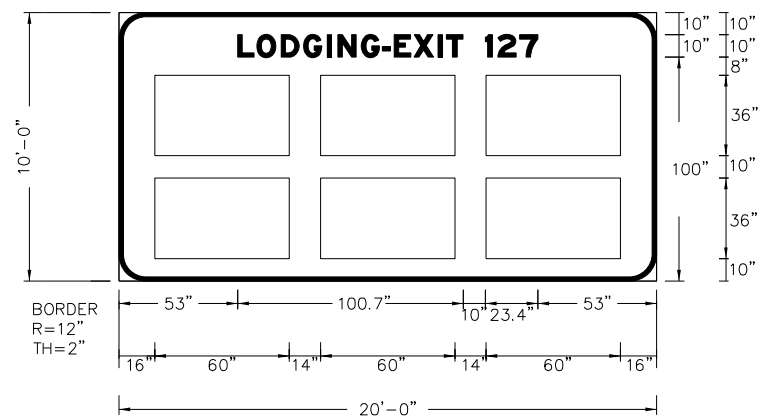
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAIL

SCALE: SHEET 6 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	351
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL
1:100



Panel Style: guide_exp_general-services.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: guide_exp_general-services.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	8-EB-046-G
WIDTH x HGHT.	20'-0" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: AP
	COLOR: Blue
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)															LENGTH	SERIES/SIZE	
L	O	D	G	I	N	G	-	E	X	I	T	1	2	7			EM 2000
53	61.6	72.4	82.5	93	97.8	108.3	117.7	122.9	131.7	142.5	146.3	163.7	169.2	179			134.1 10

MODEL: D:\stl\stl...
 FILE NAME: ...
 PROJECT: ...
 SHEET: ...



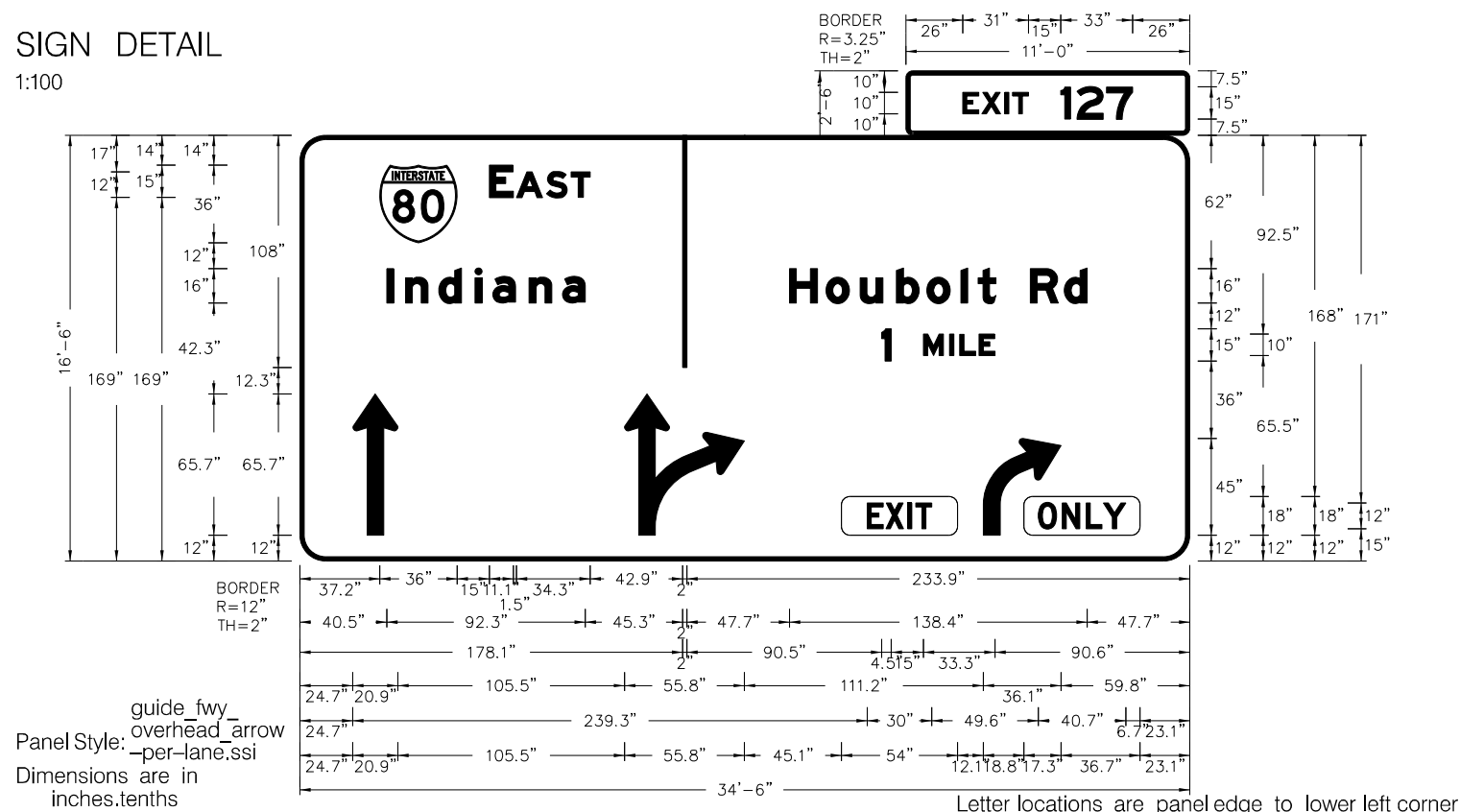
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/10/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING DETAIL	
SCALE:	SHEET 7 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	352
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL
1:100



SIGN NUMBER	7-EB-048-O
WIDTH x HGHT.	34'-6" x 16'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	37.2	148	36	36
AR_THRU	0	24.7	12	20.9	65.7
AR_THRU_RIGHT	0	151.1	12	55.8	65.7
AR_RIGHT_ONLY	0	318.1	12	36.1	45

LETTER POSITIONS (X)

										LENGTH	SERIES/SIZE
E	X	I	T	1	2	7				79.1	E 2000 10,15
26.5	35.4	46.1	49.6	72.1	79.6	93.4					
E	A	S	T							47	EM 2000 15,12
88.2	100.8	114.8	126.3								
I	n	d	i	a	n	a				92.3	EM 2000 16,12
40.5	49.1	64.7	81.6	89.8	106.7	122.3					
H	o	u	b	o	l	t	R	d		138.4	EM 2000 16,12
227.9	244.8	260.7	277.6	291.7	307.5	315.5	323.9	339.9	355.7		
1	M	I	L	E						52.8	EM 2000 15,10
270.6	290.1	302.2	307	316							
E	X	I	T							30	D 2000 12
264	272.6	282.8	286.6								
O	N	L	Y							40.7	D 2000 12
343.6	354.7	365.8	373.9								

MODEL: D:\draft\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 8/10/2023



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 / 1in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

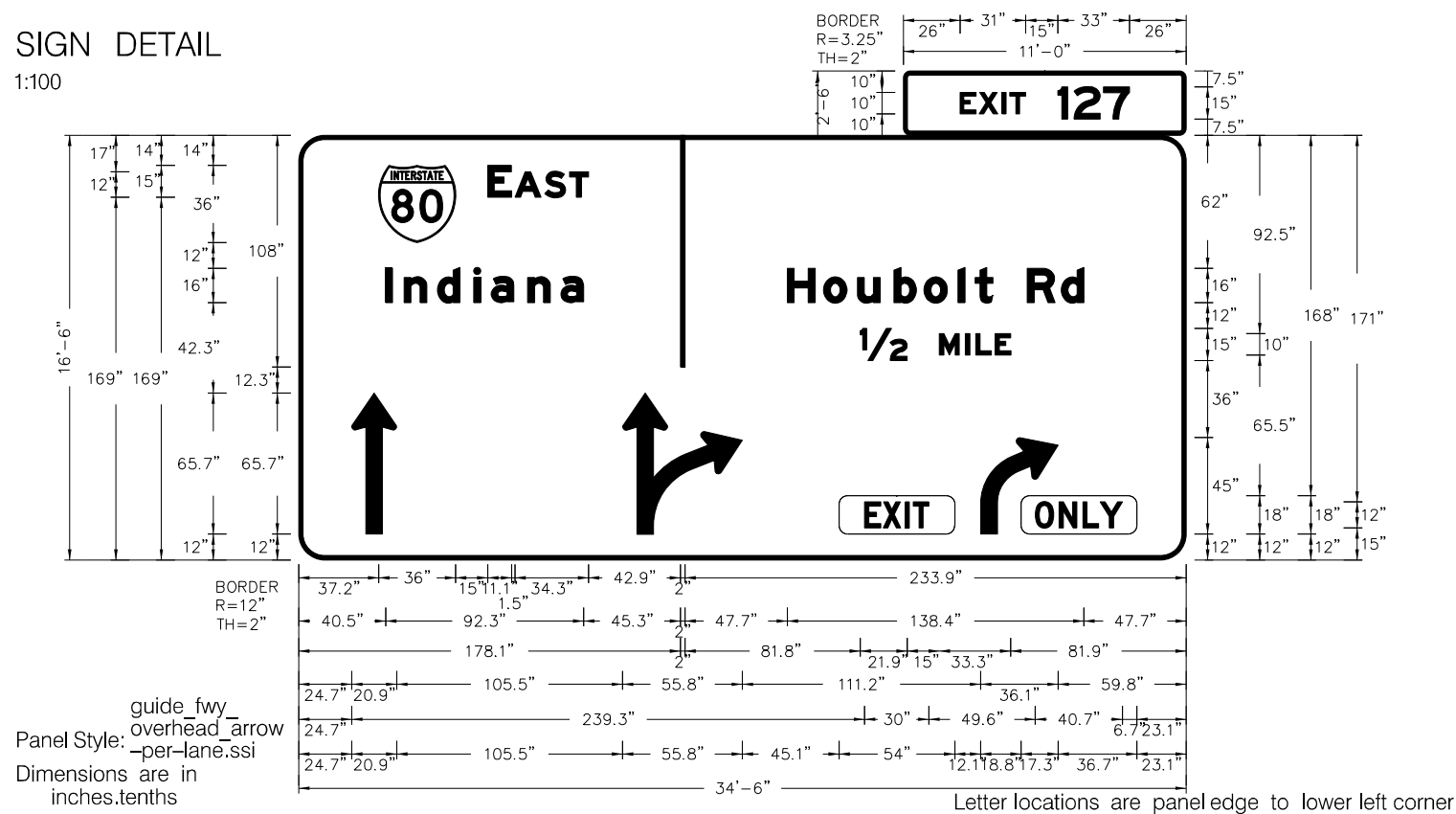
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING DETAIL

SCALE: SHEET 8 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	353
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL
1:100



SIGN NUMBER	9-EB-057-O
WIDTH x HGHT.	34'-6" x 16'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	37.2	148	36	36
AR_THRU	0	24.7	12	20.9	65.7
AR_THRU_RIGHT	0	151.1	12	55.8	65.7
AR_RIGHT_ONLY	0	318.1	12	36.1	45

Panel Style: `guide_fw_`
`overhead_arrow`
`-per_lane.ssi`
Dimensions are in inches.tenths

LETTER POSITIONS (X)

										LENGTH	SERIES/SIZE
E	X	I	T	1	2	7					E 2000
26.5	35.4	46.1	49.6	72.1	79.6	93.4				79.1	10,15
E	A	S	T								EM 2000
88.2	100.8	114.8	126.3							47	15,12
I	n	d	i	a	n	a					EM 2000
40.5	49.1	64.7	81.6	89.8	106.7	122.3				92.3	16,12
H	o	u	b	o	l	t	R	d			EM 2000
227.9	244.8	260.7	277.6	291.7	307.5	315.5	323.9	339.9	355.7	138.4	16,12
1/2	M	I	L	E							EM 2000
261.9	298.9	311	315.8	324.8						70.3	15,10
E	X	I	T								D 2000
264	272.6	282.8	286.6							30	12
O	N	L	Y								D 2000
343.6	354.7	365.8	373.9							40.7	12

MODEL: D:\info\... FILE NAME: ...



USER NAME = dbook
DESIGNED -
DRAWN -
PLOT SCALE = 100,0000 / 1in.
CHECKED -
PLOT DATE = 8/10/2023

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

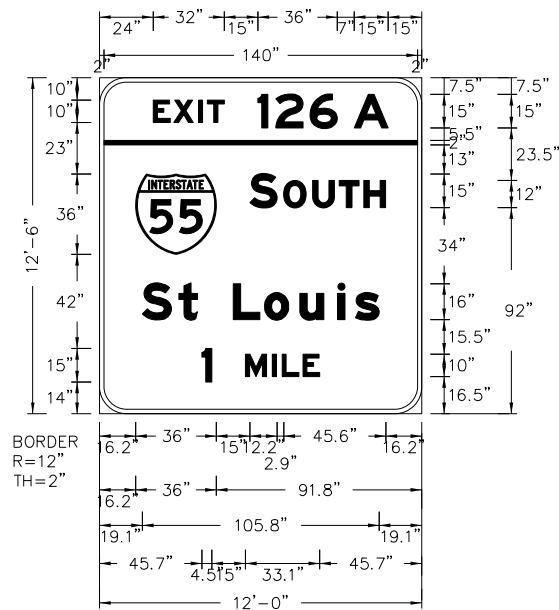
SIGNING DETAIL

SCALE: SHEET 9 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	354
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL

1:100



Panel Style: guide_exp_overhead.ssi
 Dimensions are in inches.tenths

Panel Style: guide_exp_overhead.ssi
 M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	9-WB-058-O
WIDTH x HGHT.	12'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	16.2	71	36	36

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

LETTER	X	Y	WID	HT	LENGTH	SERIES/SIZE
E	24	10	36	36	105	E 2000
X	33.2	10	36	36	105	10,15
I	44.3	10	36	36	105	10,15
T	48.2	10	36	36	105	10,15
1	70.7	10	36	36	105	10,15
2	78.8	10	36	36	105	10,15
6	94.1	10	36	36	105	10,15
A	113.7	10	36	36	105	10,15
S	67.2	23	36	36	60.6	EM 2000
O	82.2	23	36	36	60.6	15,12
U	95.2	23	36	36	60.6	15,12
T	107.1	23	36	36	60.6	15,12
H	118.1	23	36	36	60.6	15,12
S	19.1	36	36	36	105.8	EM 2000
t	35.4	36	36	36	105.8	1612
L	43.8	36	36	36	105.8	1612
o	59.8	36	36	36	105.8	1612
u	73.7	36	36	36	105.8	1612
i	89.5	36	36	36	105.8	1612
s	106.5	36	36	36	105.8	1612
1	45.7	42	36	36	52.6	E 2000
M	65.2	42	36	36	52.6	15,10
I	77.2	42	36	36	52.6	15,10
L	81.6	42	36	36	52.6	15,10
E	90.8	42	36	36	52.6	15,10

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 SHEET: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 / 1in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

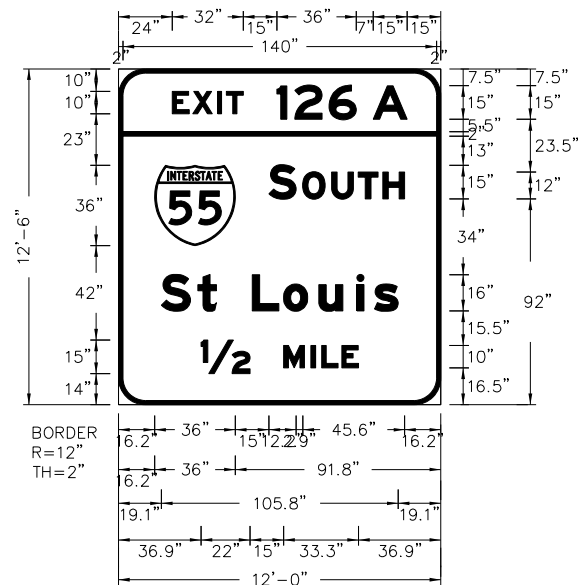
SIGNING DETAIL

SCALE: SHEET 10 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	355
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

SIGN DETAIL

1:100



Letter locations are panel edge to lower left corner

SIGN NUMBER	7-WB-043-0
WIDTH x HGHT.	12'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	16.2	71	36	36

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	Length	Series/Size
E	24	10	105	E 2000
X	33.2	10	105	10,15
I	44.3	10	105	10,15
T	48.2	10	105	10,15
1	70.7	10	105	10,15
2	78.8	10	105	10,15
6	94.1	10	105	10,15
A	113.7	10	105	10,15
S	67.2	23	60.6	EM 2000
O	82.2	23	60.6	15,12
U	95.2	23	60.6	15,12
T	107.1	23	60.6	15,12
H	118.1	23	60.6	15,12
S	19.1	36	105.8	EM 2000
t	35.5	36	105.8	1612
L	43.8	36	105.8	1612
o	59.8	36	105.8	1612
u	73.7	36	105.8	1612
i	89.5	36	105.8	1612
s	106.5	36	105.8	1612
1/2	36.9	42	70.3	EM 2000
M	73.9	42	70.3	15,10
I	86	42	70.3	15,10
L	90.8	42	70.3	15,10
E	99.8	42	70.3	15,10

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 SHEET: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 / 1in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

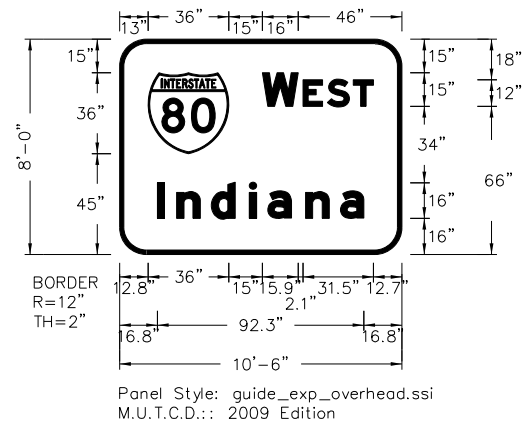
SIGNING DETAIL

SCALE: SHEET 11 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	356
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL

1:100



Panel Style: guide_exp_overhead.ssi
 Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	7-WB-042-O
WIDTH x HGHT.	10'-6" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	12.8	45	36	36

LETTER POSITIONS (X)

LETTER POSITIONS (X)														LENGTH	SERIES/SIZE
W	E	S	T												EM 2000
63.8	81.8	92.9	104.4												49.5 15,12
I	n	d	i	a	n	a									EM 2000
16.8	25.5	41	58	66.1	83.1	98.6									92.3 1612

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 SHEETS: ...
 DATE: 8/10/2023



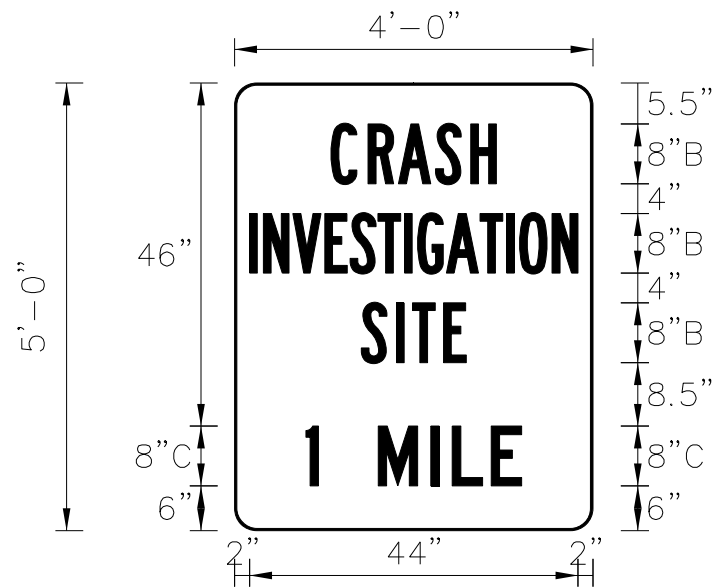
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PLOT SCALE = 100,0000 / 1in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAIL			
SCALE:	SHEET 12 OF 21 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	357
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL
1:30



SIGN NUMBER	4-WB-027-G
WIDTH x HGHT.	4'-0" x 5'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: AP
	COLOR: Blue
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: guide_con_general_services_cis.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE		
C	R	A	S	H											B 2000	
12.9	17.9	22	26.9	31.6											22.2	8
I	N	V	E	S	T	I	G	A	T	I	O	N				B 2000
2	3.9	7.8	12.1	15.5	19.2	22.8	24.5	28.4	32.9	36.5	38.2	42.6			44	8
S	I	T	E													B 2000
17	21.7	23.8	28												14.1	8
1	M	I	L	E												C 2000
9.6	19.3	26.3	29.2	34.4											28.9	8

MODEL: D:\data\... FILE NAME: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

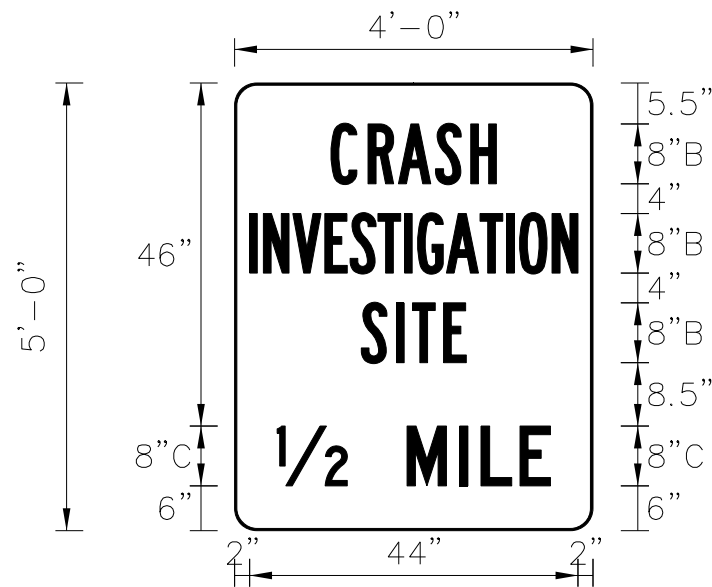
SIGNING DETAIL

SCALE: SHEET 13 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	358
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

SIGN DETAIL

1:30



Panel Style: guide_con_general_services_cis.ssi
 Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	3-WB-015-G
WIDTH x HGHT.	4'-0" x 5'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: AP
	COLOR: Blue
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE		
C	R	A	S	H											B 2000	
12.9	17.9	22	26.9	31.6											22.2	8
I	N	V	E	S	T	I	G	A	T	I	O	N				B 2000
2	3.9	7.8	12.1	15.5	19.2	22.8	24.5	28.4	32.9	36.5	38.2	42.6			44	8
S	I	T	E													B 2000
17	21.7	23.8	28												14.1	8
1/2	M	I	L	E												C 2000
5.7	23.1	30.2	33	38.2											36.6	8

MODEL: D:\data\... FILE NAME: ...



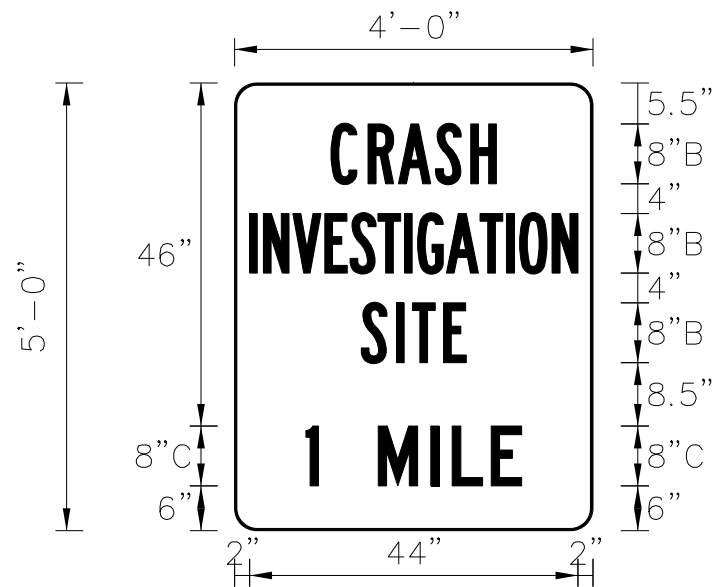
USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIGNING DETAIL		
SCALE:	SHEET 14 OF 21 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	359
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL
1:30



Panel Style: guide_con_general_services_cis.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	7-EB-049-G
WIDTH x HGHT.	4'-0" x 5'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	3"
MOUNTING	Ground
BACKGROUND	TYPE: AP
	COLOR: Blue
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE	
C	R	A	S	H											B 2000
12.9	17.9	22	26.9	31.6											22.2
I	N	V	E	S	T	I	G	A	T	I	O	N			B 2000
2	3.9	7.8	12.1	15.5	19.2	22.8	24.5	28.4	32.9	36.5	38.2	42.6			44
S	I	T	E												B 2000
17	21.7	23.8	28												14.1
1	M	I	L	E											C 2000
9.6	19.3	26.3	29.2	34.4											28.9

MODEL: D:\data\... FILE NAME: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

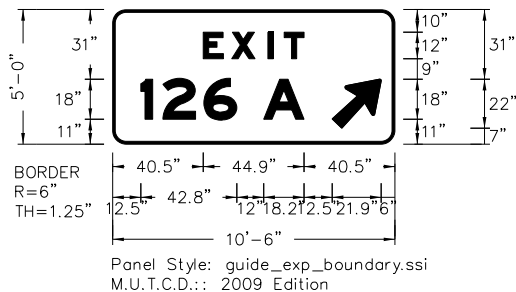
SIGNING DETAIL

SCALE: SHEET 15 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	360
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

SIGN DETAIL

1:100



Panel Style: guide_exp_boundary.ssi
 Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	4-EB-024-G / 5-WB-028-G
WIDTH x HGHT.	10'-6" x 5'-0"
BORDER WIDTH	1.25"
CORNER RADIUS	6"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
Gore	315	98.1	7.1	18.2	27.7

LETTER POSITIONS (X)																		LENGTH	SERIES/SIZE
E	X	I	T															EM 2000	
40.5	53.2	69.3	76.6															44.9 12	
1	2	6	A															EM 2000	
12.5	22.4	40.8	67.4															73 18	

MODEL: D:\del... FILE NAME: ...



USER NAME = dbook
 PLOT SCALE = 100,0000 / 1in.
 PLOT DATE = 8/10/2023

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

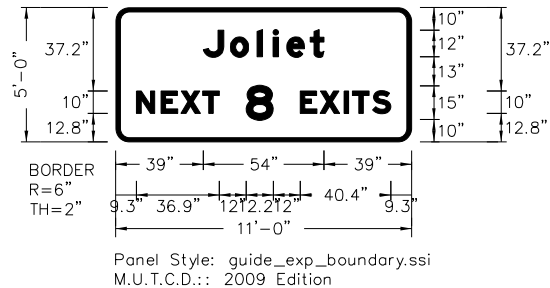
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNING DETAIL
 SCALE: SHEET 16 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	361
CONTRACT NO. 62R28				
ILLINOIS		FED. AID PROJECT		

SIGN DETAIL
1:100



Panel Style: guide_exp_boundary.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	5-EB-053-G
WIDTH x HGHT.	11'-0" x 5'-0"
BORDER WIDTH	2"
CORNER RADIUS	6"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

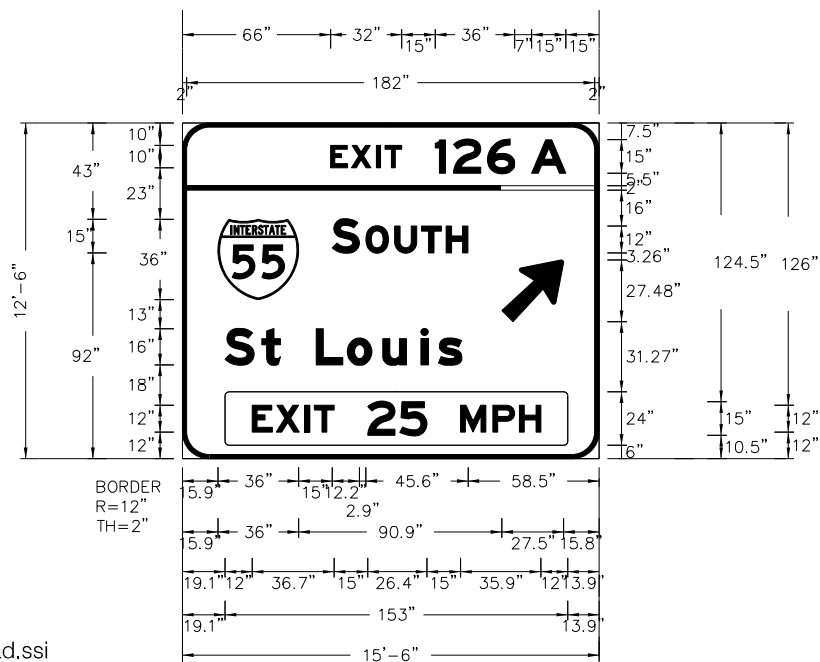
SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)																LENGTH	SERIES/SIZE
J	o	l	i	e	t												EM 2000
39	51.1	63	70.2	76.3	86.8												54 129

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 SHEET: ...

SIGN DETAIL

1:100



Panel Style: guide_exp_overhead.ssi
 Dimensions are in inches.tenths

Panel Style: guide_exp_overhead.ssi
 M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	5-WB-030-0
WIDTH x HGHT.	15'-6" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	15.9	71	36	36
AR_Type A	315	142.7	61.3	22.2	34.9

LETTER POSITIONS (X)

										LENGTH	SERIES/SIZE
E	X	I	T	1	2	6	A				E 2000
66.3	75.5	86.6	90.5	113	121.1	136.3	156			105	10,15
S	O	U	T	H							EM 2000
66.9	81.9	94.9	106.8	117.8						60.6	15,12
S	t		L	o	u	i	s				EM 2000
19.1	35.4	43.8	59.8	73.7	89.5	106.5	114.3			105.8	16,12
E	X	I	T	2	5	M	P	H			E 2000
31.1	41.8	54.6	58.8	82.8	97.1	124.2	138.6	150.4		129	12,15

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 SHEET: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 / 1in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

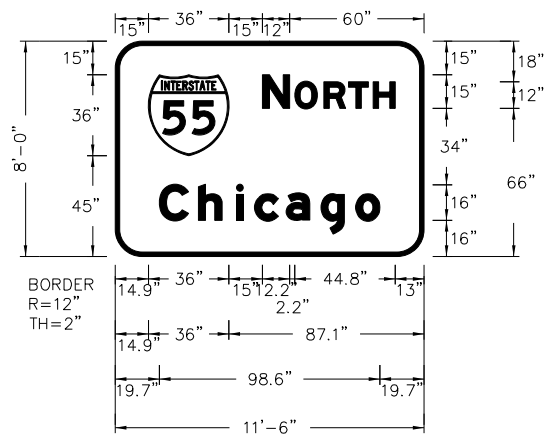
SIGNING DETAIL

SCALE: SHEET 19 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	364
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

SIGN DETAIL

1:100



Panel Style: guide_exp_overhead.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: guide_exp_overhead.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	5-NB-02-BM
WIDTH x HGHT.	11'-6" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	14.9	45	36	36

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	Length	Series/Size
N	65.9	15.0	59.1	EM 2000
O	80.2	15.0	15.12	15,12
R	93.2	15.0		
T	104.2	15.0		
H	115.3	15.0		
C	19.7	45.0	98.6	EM 2000
h	37.1	45.0	16.12	1612
i	54.1	45.0		
c	62.3	45.0		
a	76.3	45.0		
g	91.9	45.0		
o	107.4	45.0		

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 SHEET: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

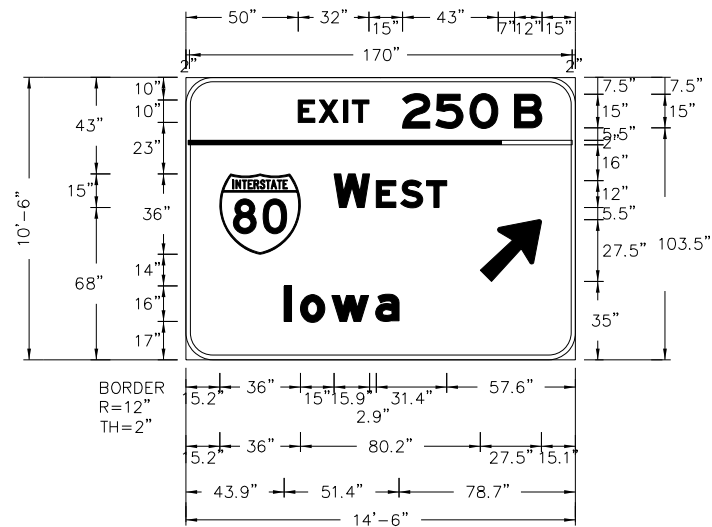
SIGNING DETAIL

SCALE: SHEET 20 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	365
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL

1:100



Panel Style: guide_exp_overhead.ssi
 Dimensions are in inches.tenths

Panel Style: guide_exp_overhead.ssi
 M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	5-NB-03-BM
WIDTH x HGHT.	14'-6" x 10'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	15.2	47	36	36
AR_Type A	315	131.4	35	22.2	34.9

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	Length	Series/Size
E	50.2	108.9	108.9	E 2000
X	59.4	108.9	108.9	10,15
I	70.5	108.9	108.9	E 2000
T	74.3	108.9	108.9	15,12
2	96.8	108.9	108.9	E 2000
5	111.5	108.9	108.9	15,12
0	126.8	108.9	108.9	E 2000
B	146.9	108.9	108.9	1612
W	66.2	50.2	50.2	EM 2000
E	85	50.2	50.2	15,12
S	96	50.2	50.2	EM 2000
T	107.5	50.2	50.2	1612
I	43.9	51.4	51.4	EM 2000
o	51.1	51.4	51.4	1612
w	65.2	51.4	51.4	EM 2000
a	84.7	51.4	51.4	1612

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 SHEET: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

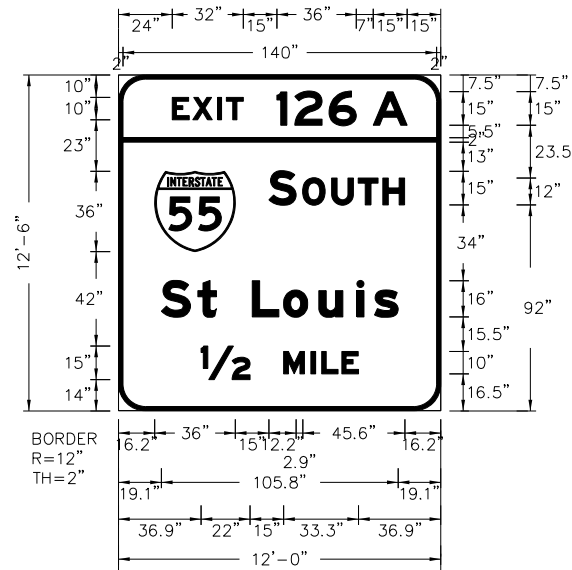
SIGNING DETAIL

SCALE: SHEET 21 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	366
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

SIGN DETAIL

1:100



Panel Style: guide_exp_overhead.ssi
 Dimensions are in inches.tenths

Panel Style: guide_exp_overhead.ssi
 M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	MOT-1-G / MOT-14-G
WIDTH x HGHT.	12'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	16.2	71	36	36

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	Length	Series/Size
E	24	10	105	E 2000
X	33.2	10	105	10,15
I	44.3	10	105	10,15
T	48.2	10	105	10,15
1	70.7	10	105	10,15
2	78.8	10	105	10,15
6	94.1	10	105	10,15
A	113.7	10	105	10,15
S	67.2	23	60.6	EM 2000
O	82.2	23	60.6	15,12
U	95.2	23	60.6	15,12
T	107.1	23	60.6	15,12
H	118.1	23	60.6	15,12
S	19.1	36	105.8	EM 2000
t	35.5	36	105.8	16,12
L	43.8	36	105.8	16,12
o	59.8	36	105.8	16,12
u	73.7	36	105.8	16,12
i	89.5	36	105.8	16,12
s	106.5	36	105.8	16,12
1/2	36.9	42	70.3	EM 2000
M	73.9	42	70.3	15,10
I	86	42	70.3	15,10
L	90.8	42	70.3	15,10
E	99.8	42	70.3	15,10

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 SHEET: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 / in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

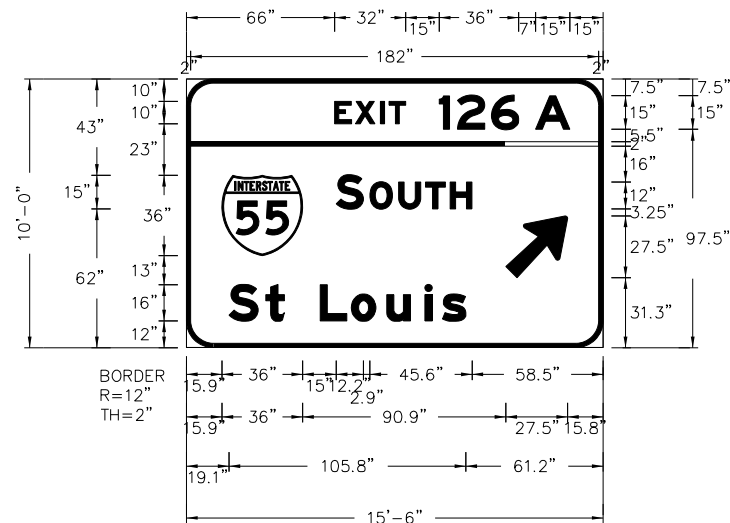
TEMPORARY INFORMATION
 SIGNING DETAIL

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	367
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL

1:100



Panel Style: guide_exp_overhead.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: guide_exp_overhead.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	MOT-2-G / MOT-15-G
WIDTH x HGHT.	15'-6" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	15.9	41	36	36
AR_Type A	315	142.7	31.3	22.2	34.9

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	Length	Series/Size
E	66.3	10.5	105	E 2000
X	75.5	10.5	105	10,15
I	86.6	10.5	105	10,15
T	90.5	10.5	105	10,15
1	113	10.5	105	10,15
2	121.1	10.5	105	10,15
6	136.3	10.5	105	10,15
A	156	10.5	105	10,15
S	66.9	20.5	60.6	EM 2000
O	81.9	20.5	60.6	15,12
U	94.9	20.5	60.6	15,12
T	106.8	20.5	60.6	15,12
H	117.8	20.5	60.6	15,12
S	19.1	30.5	105.8	EM 2000
t	35.4	30.5	105.8	1612
L	43.8	30.5	105.8	1612
o	59.8	30.5	105.8	1612
u	73.7	30.5	105.8	1612
i	89.5	30.5	105.8	1612
s	106.5	30.5	105.8	1612

MODEL: D:\data\... FILE NAME: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INFORMATION
SIGNING DETAIL

SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	368
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

SIGN DETAIL

1:100



BORDER
R=12"
TH=2"

Panel Style: guide_exp_overhead.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: guide_exp_overhead.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	MOT-3-G / MOT-7-G
WIDTH x HGHT.	15'-6" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	15.9	41	36	36
AR_Type A	315	142.7	31.3	22.2	34.9

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

LETTER	X	Y	WID	HT	LENGTH	SERIES/SIZE
E	69.3	41	36	36	101.8	E 2000
X	78.5	41	36	36	101.8	10,15
I	89.6	41	36	36	101.8	10,15
T	93.5	41	36	36	101.8	10,15
1	116	41	36	36	101.8	10,15
2	124.1	41	36	36	101.8	10,15
6	139.3	41	36	36	101.8	10,15
B	159	41	36	36	101.8	10,15
N	66.9	117	36	36	59.8	EM 2000
O	81.9	117	36	36	59.8	15,12
R	94.9	117	36	36	59.8	15,12
T	105.9	117	36	36	59.8	15,12
H	117	117	36	36	59.8	15,12
C	19.1	161.2	36	36	98.6	EM 2000
h	36.6	161.2	36	36	98.6	1612
i	53.5	161.2	36	36	98.6	1612
c	61.7	161.2	36	36	98.6	1612
a	75.8	161.2	36	36	98.6	1612
g	91.3	161.2	36	36	98.6	1612
o	106.8	161.2	36	36	98.6	1612

MODEL: D:\data\... FILE NAME: ... PROJECT: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 / 1in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

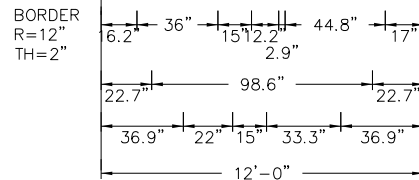
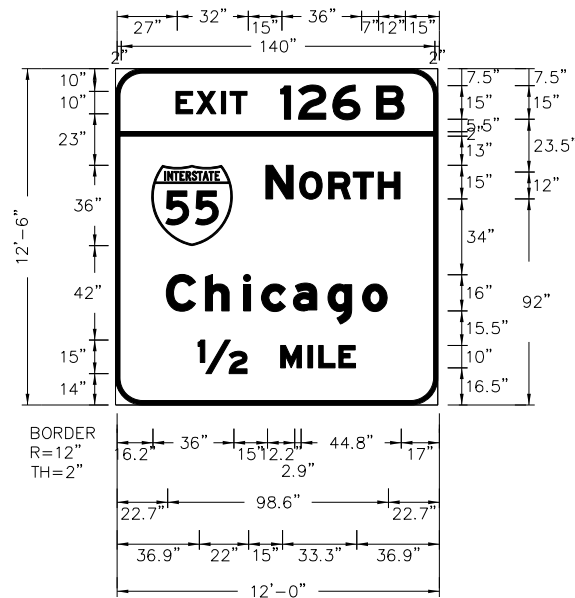
TEMPORARY INFORMATION
SIGNING DETAIL

SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	369
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL

1:100



Panel Style: guide_exp_overhead.ssi
 Dimensions are in inches.tenths

Panel Style: guide_exp_overhead.ssi
 M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	MOT-4-G / MOT-6-G
WIDTH x HGHT.	12'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	16.2	71	36	36

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	Length	Series/Size
E	27	10	101.8	E 2000
X	36.2	10	101.8	10,15
I	47.3	10	101.8	10,15
T	51.2	10	101.8	10,15
1	73.7	10	101.8	10,15
2	81.8	10	101.8	10,15
6	97.1	10	101.8	10,15
B	116.7	10	101.8	10,15
N	67.2	23.5	59.8	EM 2000
O	82.2	23.5	59.8	15,12
R	95.2	23.5	59.8	15,12
T	106.2	23.5	59.8	15,12
H	117.3	23.5	59.8	15,12
C	22.7	34	98.6	EM 2000
h	40.2	34	98.6	1612
i	57.1	34	98.6	1612
c	65.3	34	98.6	1612
a	79.4	34	98.6	1612
g	94.9	34	98.6	1612
o	110.4	34	98.6	1612
1/2	36.9	42	70.3	EM 2000
M	73.8	42	70.3	15,10
I	85.9	42	70.3	15,10
L	90.7	42	70.3	15,10
E	99.7	42	70.3	15,10

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 SHEET: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 / 1in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY INFORMATION
 SIGNING DETAIL

SCALE: SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	370
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

SIGN DETAIL

1:100



BORDER
R=12"
TH=2"

Panel Style: guide_exp_overhead.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: guide_exp_overhead.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	MOT-3-G / MOT-7-G
WIDTH x HGHT.	15'-6" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	15.9	41	36	36
AR_Type A	315	142.7	31.3	22.2	34.9

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	Length	Series/Size
E	69.3	101.8	101.8	E 2000
X	78.5	101.8	101.8	10,15
I	89.6	101.8	101.8	10,15
T	93.5	101.8	101.8	10,15
1	116	101.8	101.8	10,15
2	124.1	101.8	101.8	10,15
6	139.3	101.8	101.8	10,15
B	159	101.8	101.8	10,15
N	66.9	59.8	59.8	EM 2000
O	81.9	59.8	59.8	15,12
R	94.9	59.8	59.8	15,12
T	105.9	59.8	59.8	15,12
H	117	59.8	59.8	15,12
C	19.1	98.6	98.6	EM 2000
h	36.6	98.6	98.6	1612
i	53.5	98.6	98.6	1612
c	61.7	98.6	98.6	1612
a	75.8	98.6	98.6	1612
g	91.3	98.6	98.6	1612
o	106.8	98.6	98.6	1612

MODEL: D:\data\... FILE NAME: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100.0000 / 1 in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

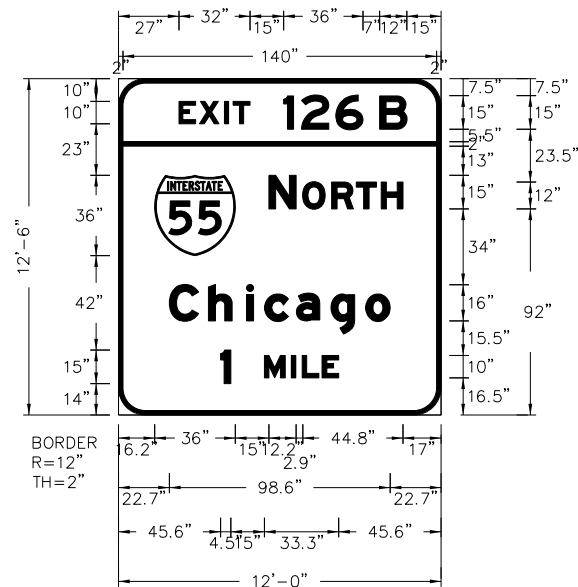
TEMPORARY INFORMATION
SIGNING DETAIL

SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	371
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL

1:100



Panel Style: guide_exp_overhead.ssi
 Dimensions are in inches.tenths

Panel Style: guide_exp_overhead.ssi
 M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	MOT-5-G
WIDTH x HGHT.	12'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	16.2	71	36	36

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	Length	Series/Size
E	27	10	101.8	E 2000
X	36.2	10	101.8	10,15
I	47.3	10	101.8	10,15
T	51.2	10	101.8	10,15
1	73.7	10	101.8	10,15
2	81.8	10	101.8	10,15
6	97.1	10	101.8	10,15
B	116.7	10	101.8	10,15
N	67.2	23.5	59.8	EM 2000
O	82.3	23.5	59.8	15,12
R	95.2	23.5	59.8	15,12
T	106.3	23.5	59.8	15,12
H	117.3	23.5	59.8	15,12
C	22.7	36	98.6	EM 2000
h	40.2	36	98.6	1612
i	57.1	36	98.6	1612
c	65.3	36	98.6	1612
a	79.4	36	98.6	1612
g	94.9	36	98.6	1612
o	110.4	36	98.6	1612
1	45.6	42	52.8	EM 2000
M	65.1	42	52.8	15,10
I	77.2	42	52.8	15,10
L	82	42	52.8	15,10
E	91	42	52.8	15,10

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 SHEET: ...



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 / 1in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

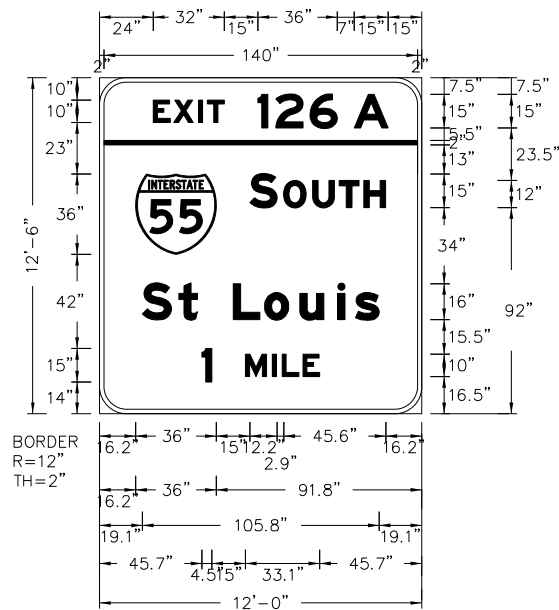
TEMPORARY INFORMATION
 SIGNING DETAIL

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	372
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL

1:100



Panel Style: guide_exp_overhead.ssi
 Dimensions are in inches.tenths

Panel Style: guide_exp_overhead.ssi
 M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	MOT-13-G
WIDTH x HGHT.	12'-0" x 12'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	16.2	71	36	36

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

LETTER	X	Y	WID	HT	LENGTH	SERIES/SIZE
E	24	10	36	36	105	E 2000
X	33.2	10	36	36	105	10,15
I	44.3	10	36	36	105	10,15
T	48.2	10	36	36	105	10,15
1	70.7	10	36	36	105	10,15
2	78.8	10	36	36	105	10,15
6	94.1	10	36	36	105	10,15
A	113.7	10	36	36	105	10,15
S	67.2	23	36	36	60.6	EM 2000
O	82.2	23	36	36	60.6	15,12
U	95.2	23	36	36	60.6	15,12
T	107.1	23	36	36	60.6	15,12
H	118.1	23	36	36	60.6	15,12
S	19.1	36	36	36	105.8	EM 2000
t	35.4	36	36	36	105.8	1612
L	43.8	36	36	36	105.8	1612
o	59.8	36	36	36	105.8	1612
u	73.7	36	36	36	105.8	1612
i	89.5	36	36	36	105.8	1612
s	106.5	36	36	36	105.8	1612
1	45.7	42	36	36	52.6	E 2000
M	65.2	42	36	36	52.6	15,10
I	77.2	42	36	36	52.6	15,10
L	81.6	42	36	36	52.6	15,10
E	90.8	42	36	36	52.6	15,10

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 SHEET: ...



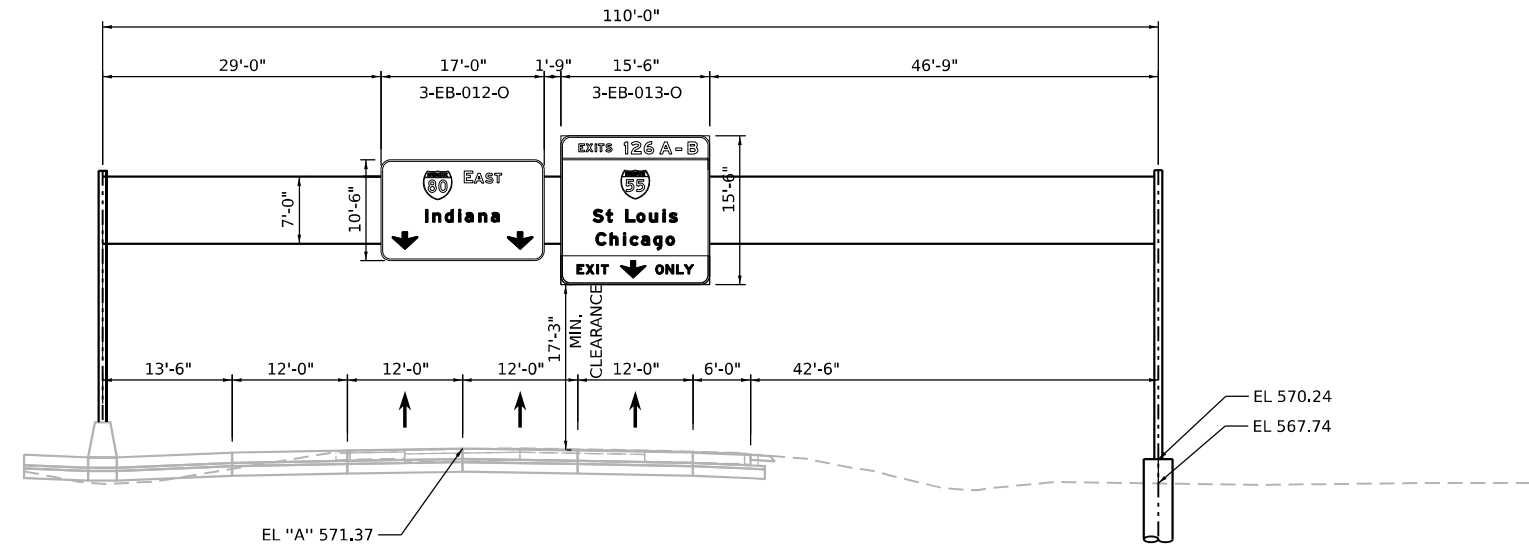
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

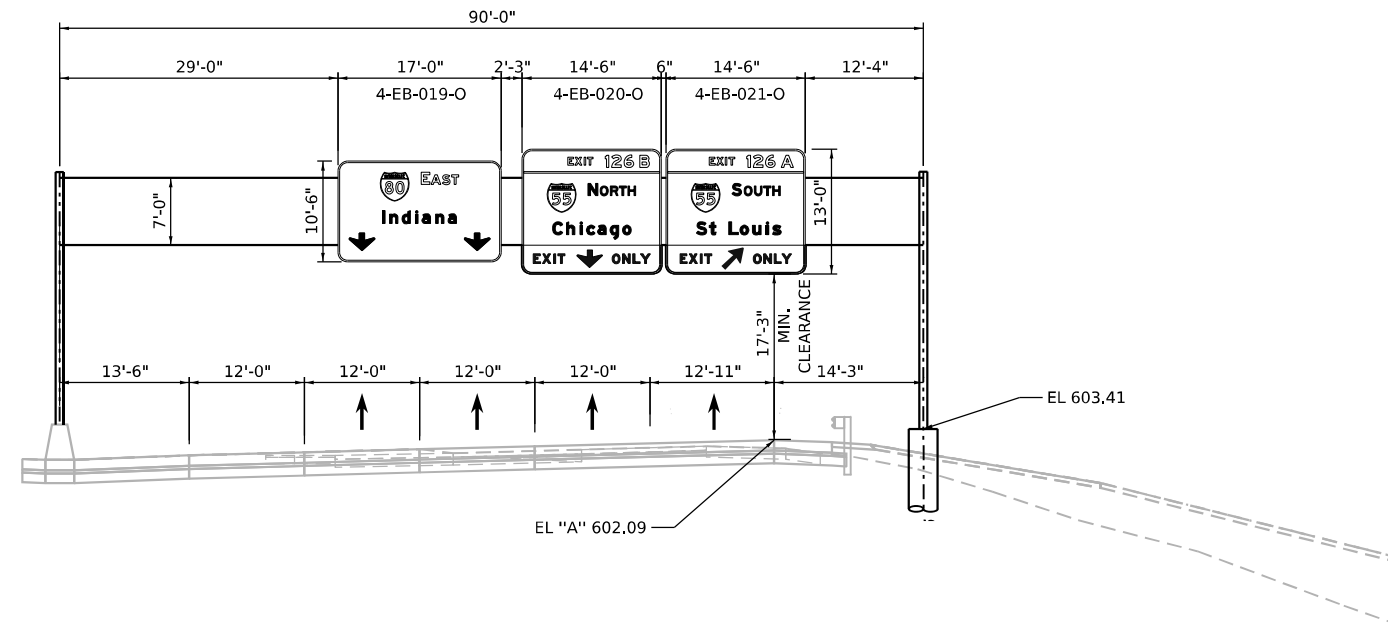
TEMPORARY INFORMATION
 SIGNING DETAIL

SCALE: SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	374
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	



**PROPOSED OVERHEAD SIGN SUPPORT
EB I-80 STA. 325 + 60
(LOOKING EAST)**



**PROPOSED OVERHEAD SIGN SUPPORT
EB I-80 STA. 337 + 25
(LOOKING EAST)**

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 DATE: 8/11/2023



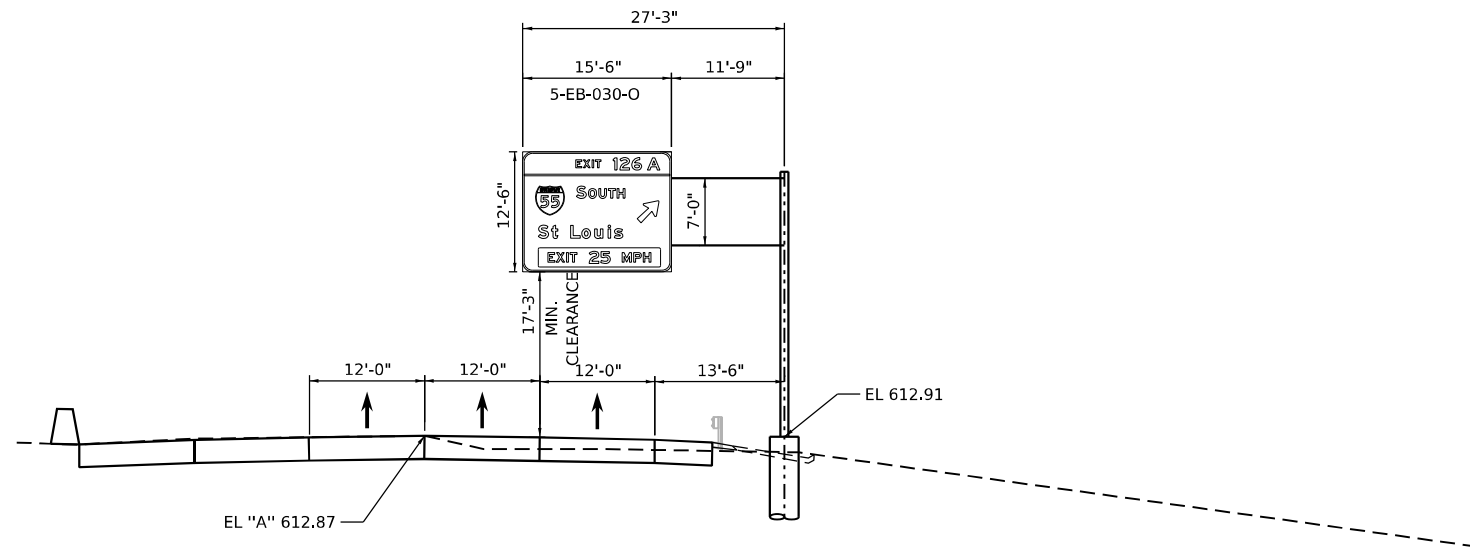
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

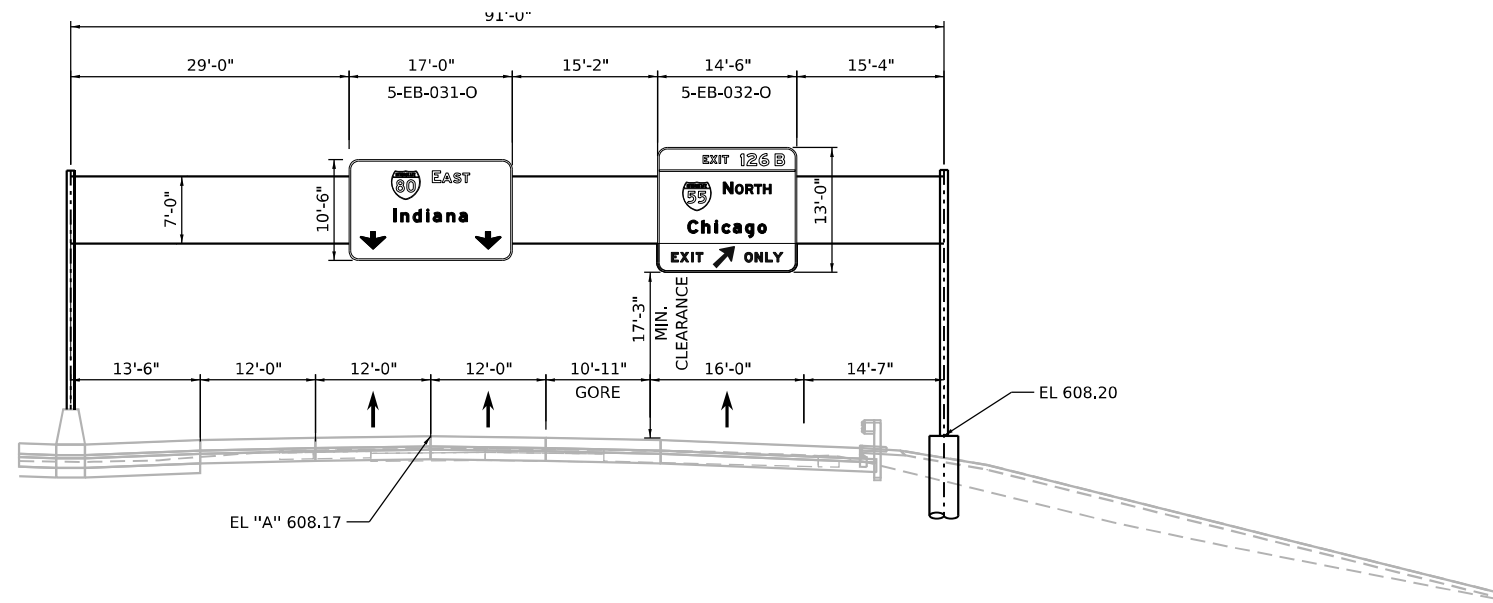
**SIGN STRUCTURES
SIGN PLACEMENT DETAILS**

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	375
			CONTRACT NO. 62R28	
		ILLINOIS	FED. AID PROJECT	



**PROPOSED OVERHEAD SIGN SUPPORT
WB I-80 STA. 354 + 50
(LOOKING WEST)**



**PROPOSED OVERHEAD SIGN SUPPORT
EB I-80 STA. 359 + 00
(LOOKING EAST)**

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 FILE NAME: ...
 PLOT SCALE = 20,000' / 1"



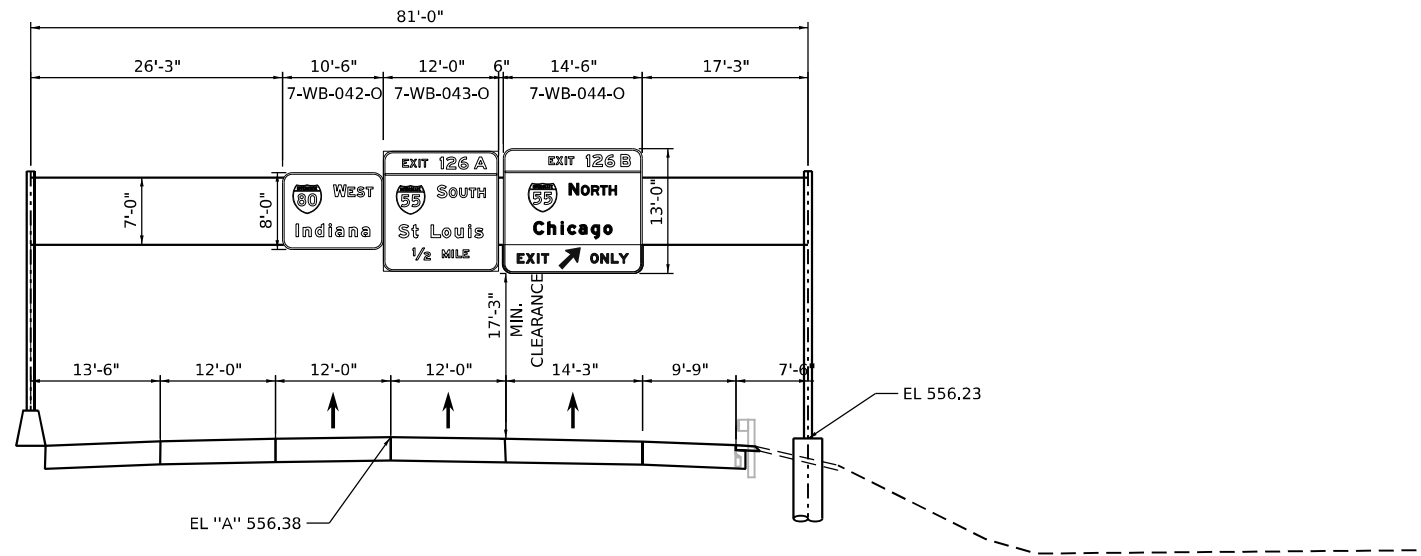
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

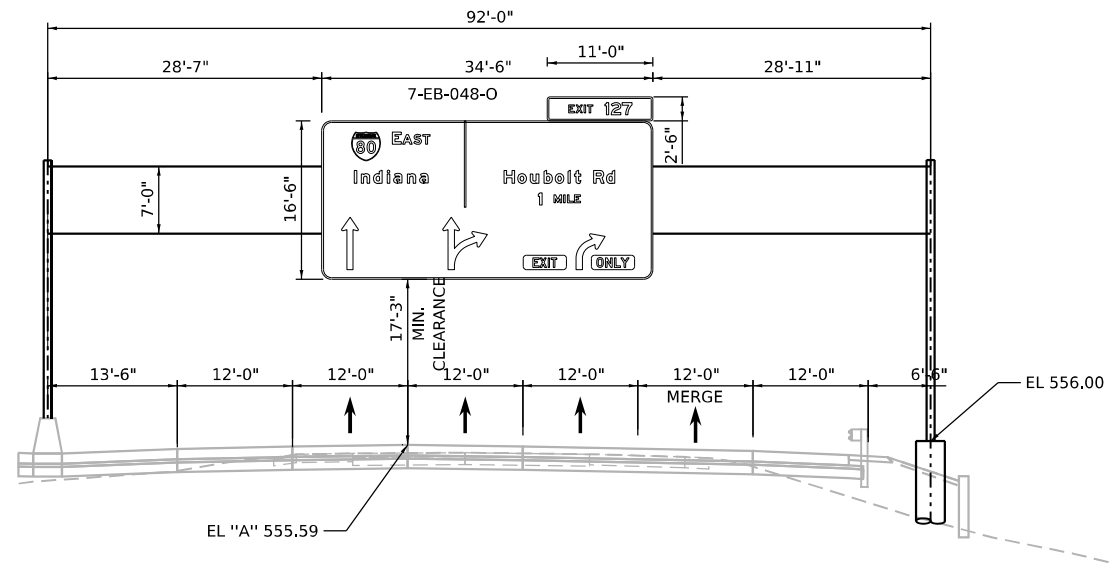
**SIGN STRUCTURES
SIGN PLACEMENT DETAILS**

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	376
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



**PROPOSED OVERHEAD SIGN SUPPORT
WB I-80 STA. 381 + 00
(LOOKING WEST)**



**PROPOSED OVERHEAD SIGN SUPPORT
EB I-80 STA. 385 + 60
(LOOKING EAST)**

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...



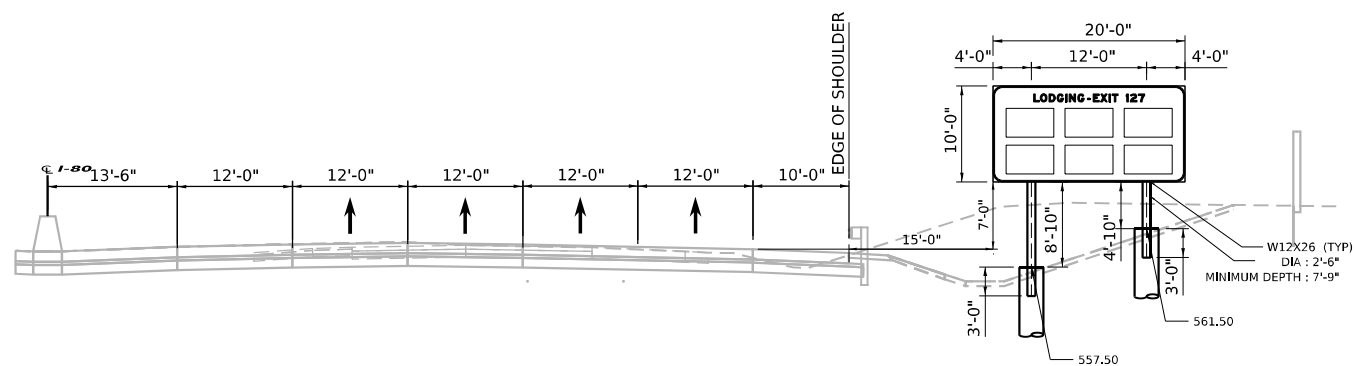
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PLOT SCALE = 20,000' / 1"	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

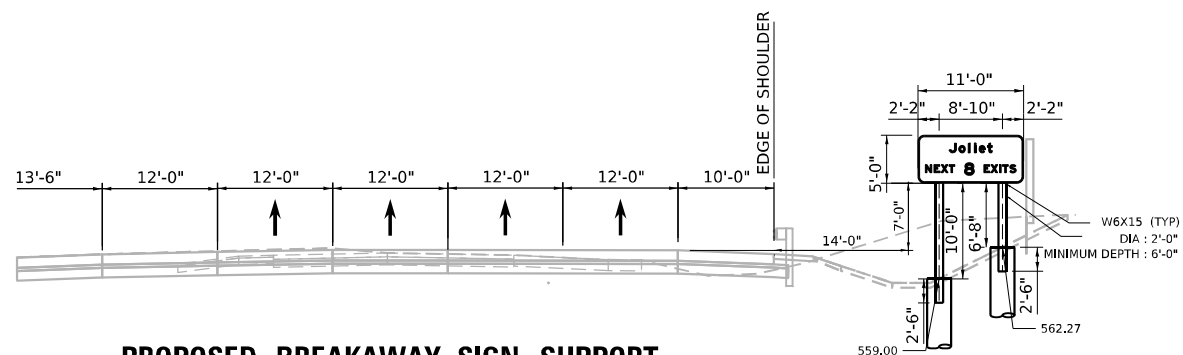
**SIGN STRUCTURES
SIGN PLACEMENT DETAILS**

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	377
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



**PROPOSED BREAKAWAY SIGN SUPPORT
EB I-80 STA. 394 + 00
(LOOKING EAST)**



**PROPOSED BREAKAWAY SIGN SUPPORT
EB I-80 STA. 396 + 25
(LOOKING EAST)**

MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...



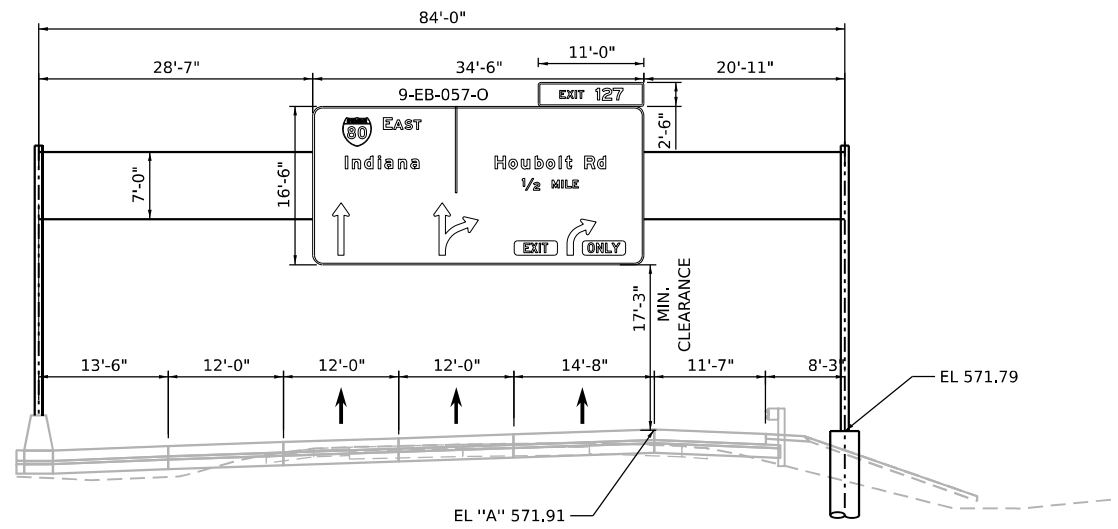
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

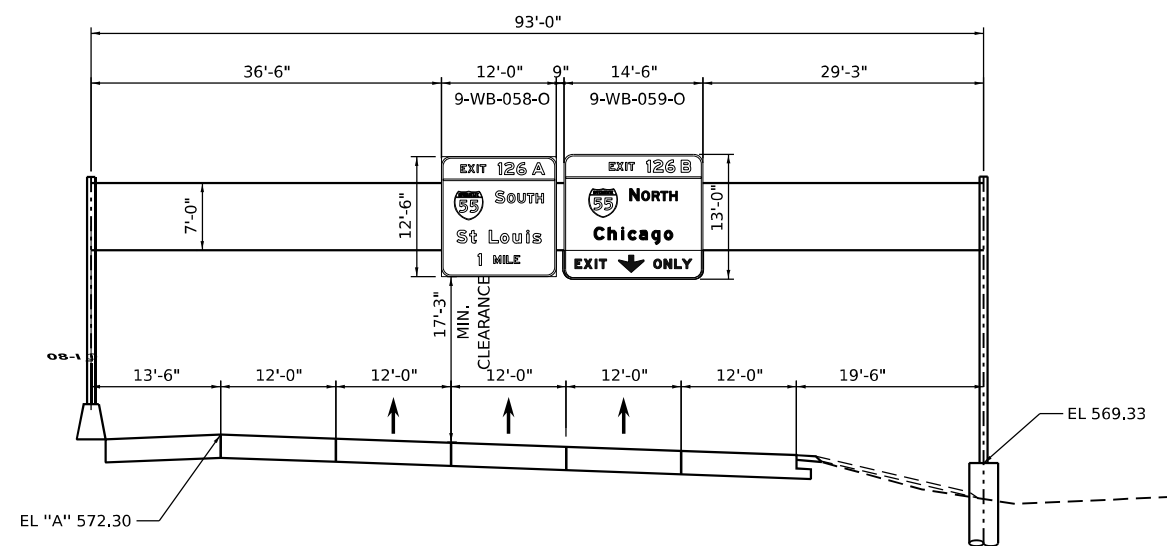
**SIGN STRUCTURES
SIGN PLACEMENT DETAILS**

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

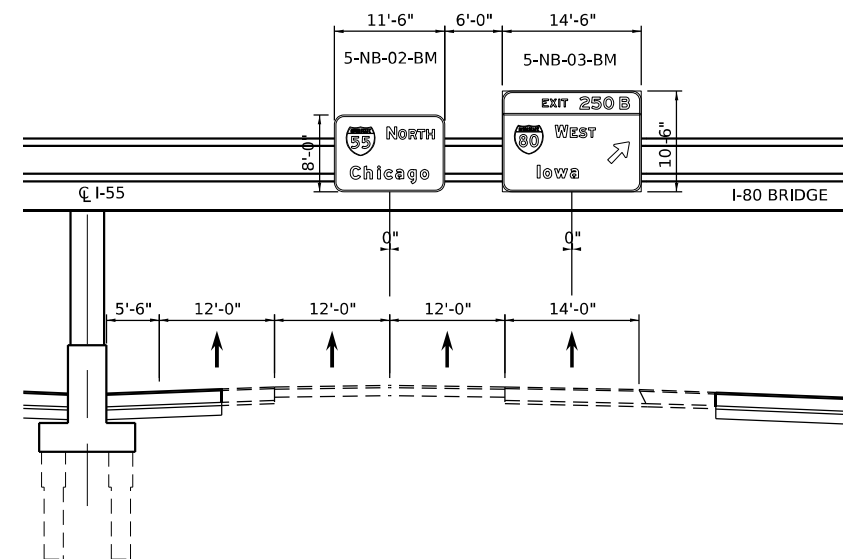
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	378
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



**PROPOSED OVERHEAD SIGN SUPPORT
EB I-80 STA. 404 + 81
(LOOKING EAST)**



**PROPOSED OVERHEAD SIGN SUPPORT
WB I-80 STA. 407 + 00
(LOOKING WEST)**



**PROPOSED BRIDGE SIGN SUPPORT
NB I-55 STA. 1053 + 40
(LOOKING NORTH)**

MODEL: D:\data\...
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 PLOT SCALE = 20,000' / 1"



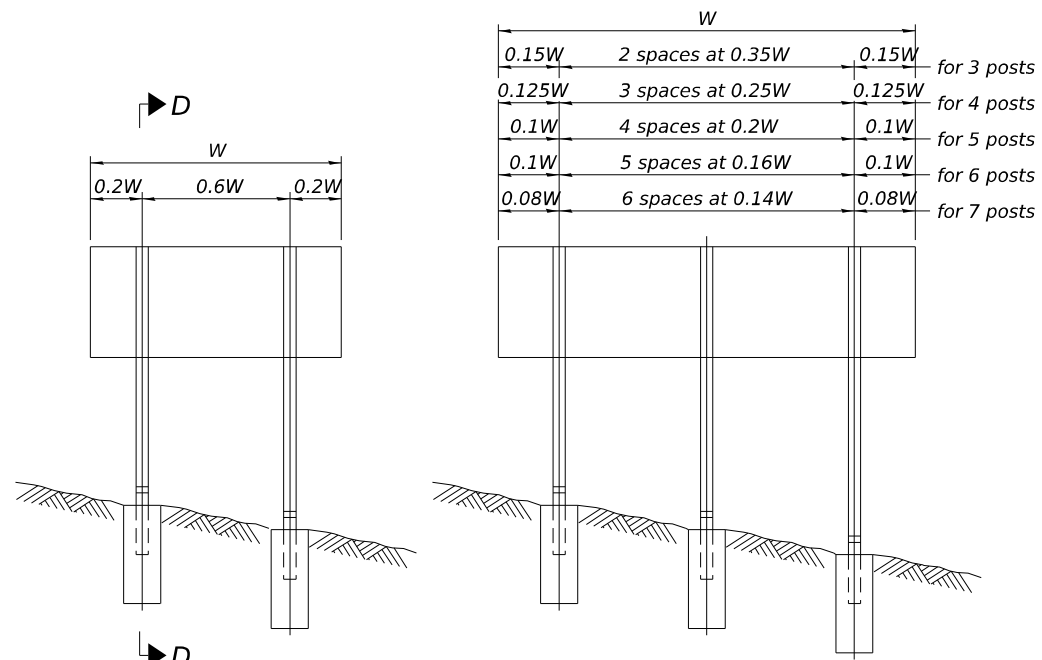
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PLOT SCALE = 20,000' / 1"	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

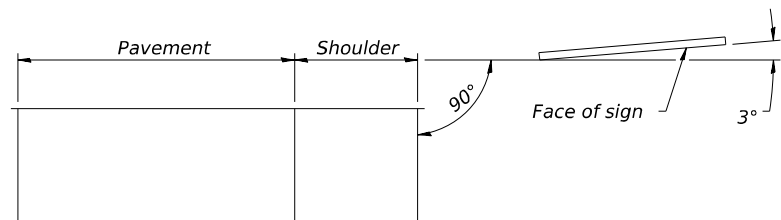
**SIGN STRUCTURES
SIGN PLACEMENT DETAILS**

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

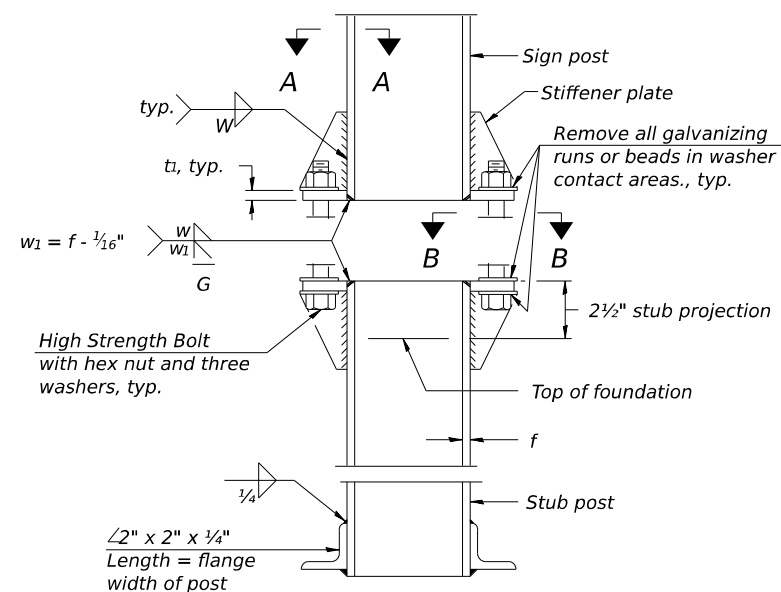
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	379
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	



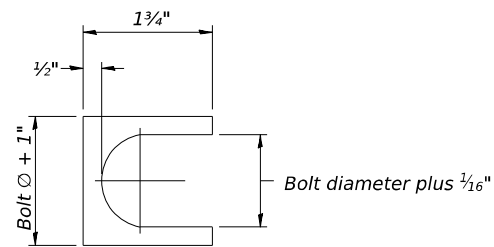
ELEVATION



LOCATION SKETCH

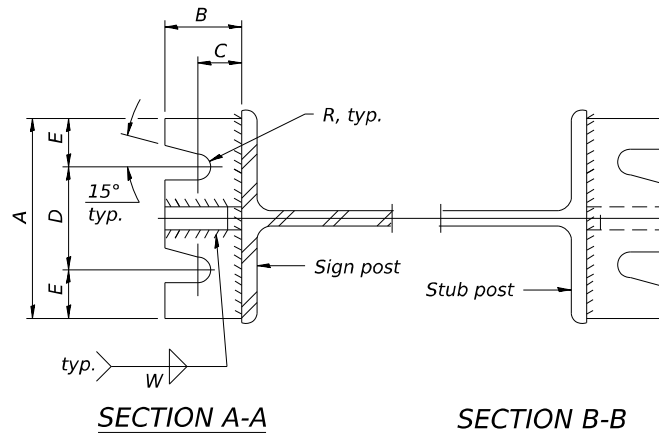


ELEVATION
SIGN POST & STUB POST

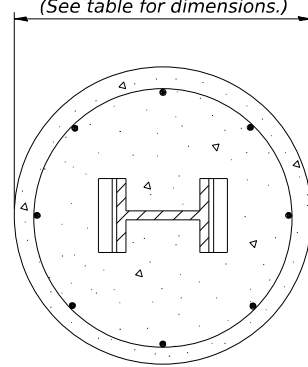


SHIM DETAIL

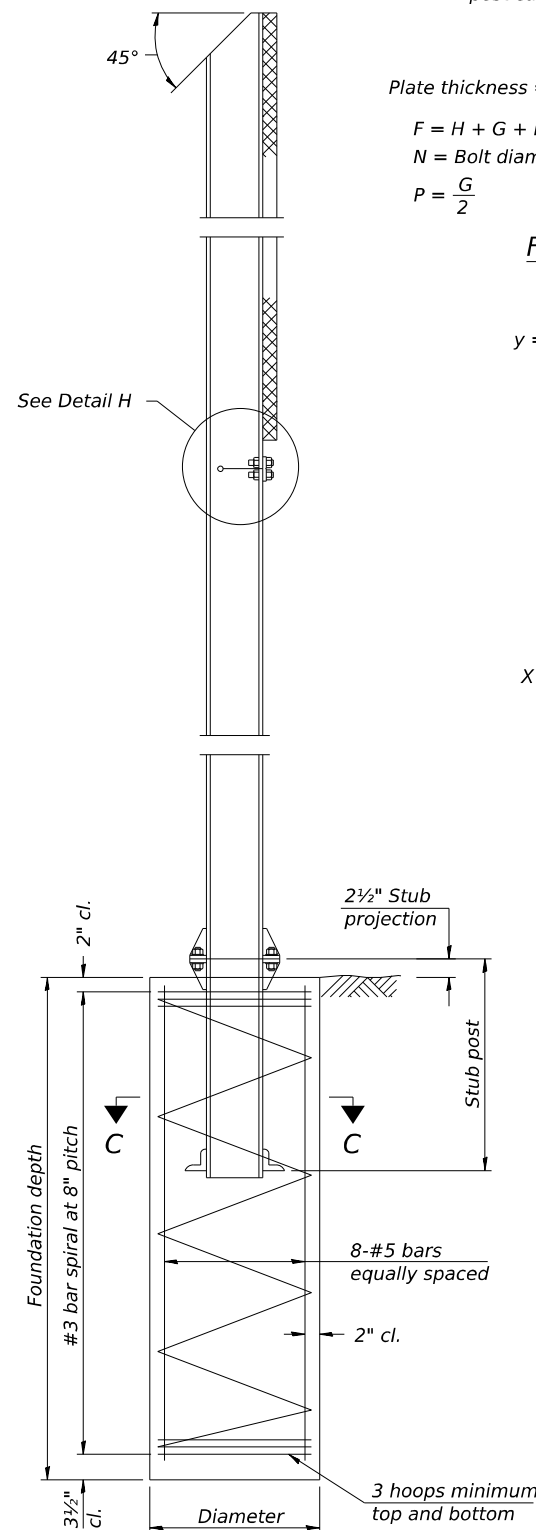
Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.



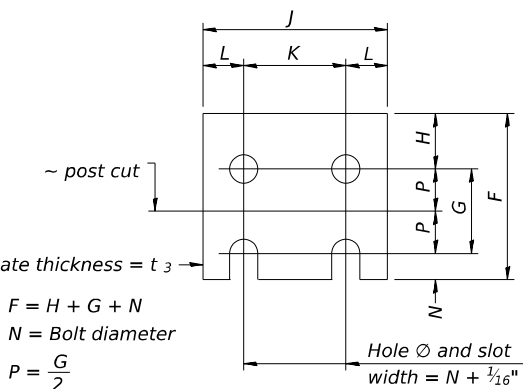
(See table for dimensions.)



SECTION C-C



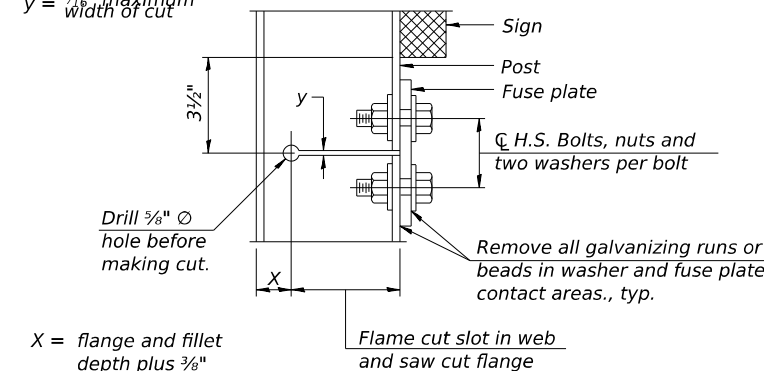
SECTION D-D



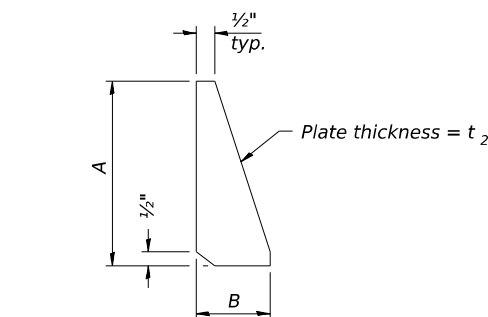
FUSE PLATE DETAIL

(Install with notches down.)

$y = \frac{3}{16}$ " maximum width of cut



DETAIL H



STIFFENER PLATE DETAIL

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
 Structural steel - 20,000 p.s.i.
 Reinforcing steel - 20,000 p.s.i.
 Concrete - 1,400 p.s.i.
 Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

(Sheet 1 of 2)

BAW-A-1

6-1-12



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 / 1 in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE
STEEL SIGN POST DETAILS

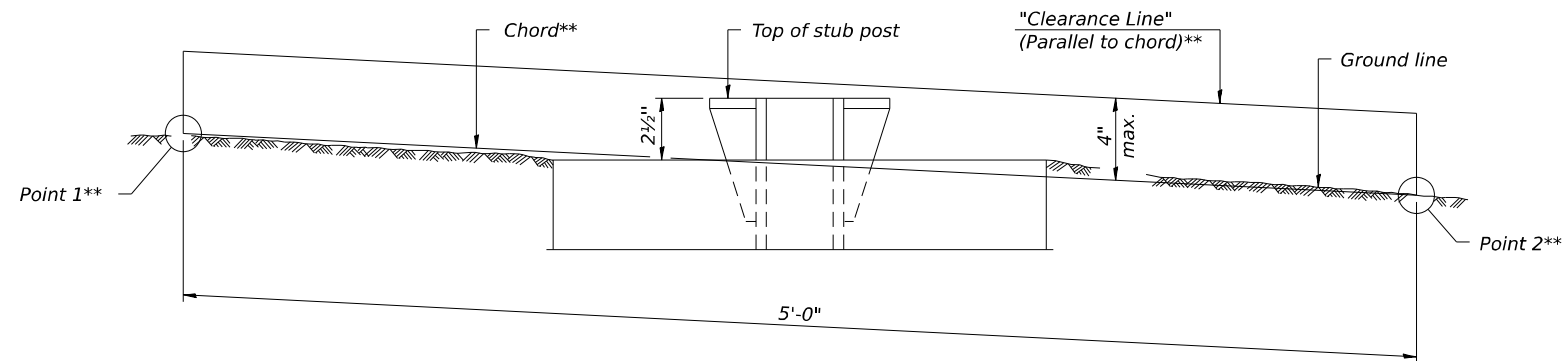
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	380
CONTRACT NO. 62R28				
ILLINOIS		FED. AID PROJECT		

POST	CONCRETE FOUNDATION TABLE							POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA				
	Foundation			Reinforcement			Stub Post Length	Bolt Size	A	B	C	D	E	t ₁	t ₂	R	W	J	K	L	t ₃	
	Diameter*	Minimum Depth	Concrete (①) cu. yds.)	Vertical Bars Length	Bar Spirals Diameter	Length																lbs. (②)
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-3"	¾" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	1½"	¼"	4"	2¼"	7/8"	¼"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	¾" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	1½"	¼"	6"	3½"	1¼"	¾"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	¾" x 3¼"	6"	2½"	1¾"	3½"	1¾"	1"	½"	1½"	5/16"	5¼"	2¾"	1¼"	¾"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2½"	105'-0"	92	3'-0"	¾" x 3¼"	6"	2½"	1¾"	3½"	1¾"	1"	½"	1½"	5/16"	5¼"	2¾"	1½"	½"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2½"	112'-0"	98	3'-0"	7/8" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	1½"	3/8"	5¼"	2¾"	1½"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2½"	119'-0"	107	3'-0"	7/8" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	1½"	3/8"	6¼"	3½"	1½"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8½"	145'-0"	113	3'-0"	7/8" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	1½"	3/8"	6¼"	3½"	1½"	½"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8½"	153'-0"	122	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	1¼"	¾"	1½"	3/8"	6¼"	3½"	1½"	½"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8½"	162'-0"	130	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	1¼"	¾"	1½"	3/8"	7"	3½"	1¾"	½"

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																				
	Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	½" x 1½"	½" x 1½"	½" x 1½"	½" x 1½"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
W6x15	½" x 1¾"	½" x 1¾"	½" x 1¾"	5/8" x 2"	5/8" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	—	—	—	—	—	—	—	—	—	—	—
W8x18	½" x 1¾"	½" x 1¾"	½" x 1¾"	½" x 1¾"	5/8" x 2"	5/8" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	—	—	—	—	—	—	—	—	—	—
W10x22	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	5/8" x 2"	5/8" x 2"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	—	—	—	—	—	—	—	—
W10x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	5/8" x 2¼"	5/8" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	—	—	—	—	—	—	—
W12x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	5/8" x 2¼"	5/8" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	—	—	—	—	—	—
W14x30	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	5/8" x 2"	5/8" x 2"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	—	—	—	—
W14x38	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	5/8" x 2¼"	5/8" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"
W16x45	—	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	5/8" x 2¼"	5/8" x 2¼"	5/8" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"



ELEVATION
GROUND LINE & STUB POST

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- ① Quantity includes all concrete necessary for one foundation.
- ② Includes reinforcement bars and spiral hooping for one foundation.

BAW-A-2

6-1-12

(Sheet 2 of 2)



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE
STEEL SIGN POST TABLES

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	381
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

MODEL: D:\delin...
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 PROJECT: ...
 DATE: 8/10/2023

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
f_c = 3,500 p.s.i.
f_y = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer. The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

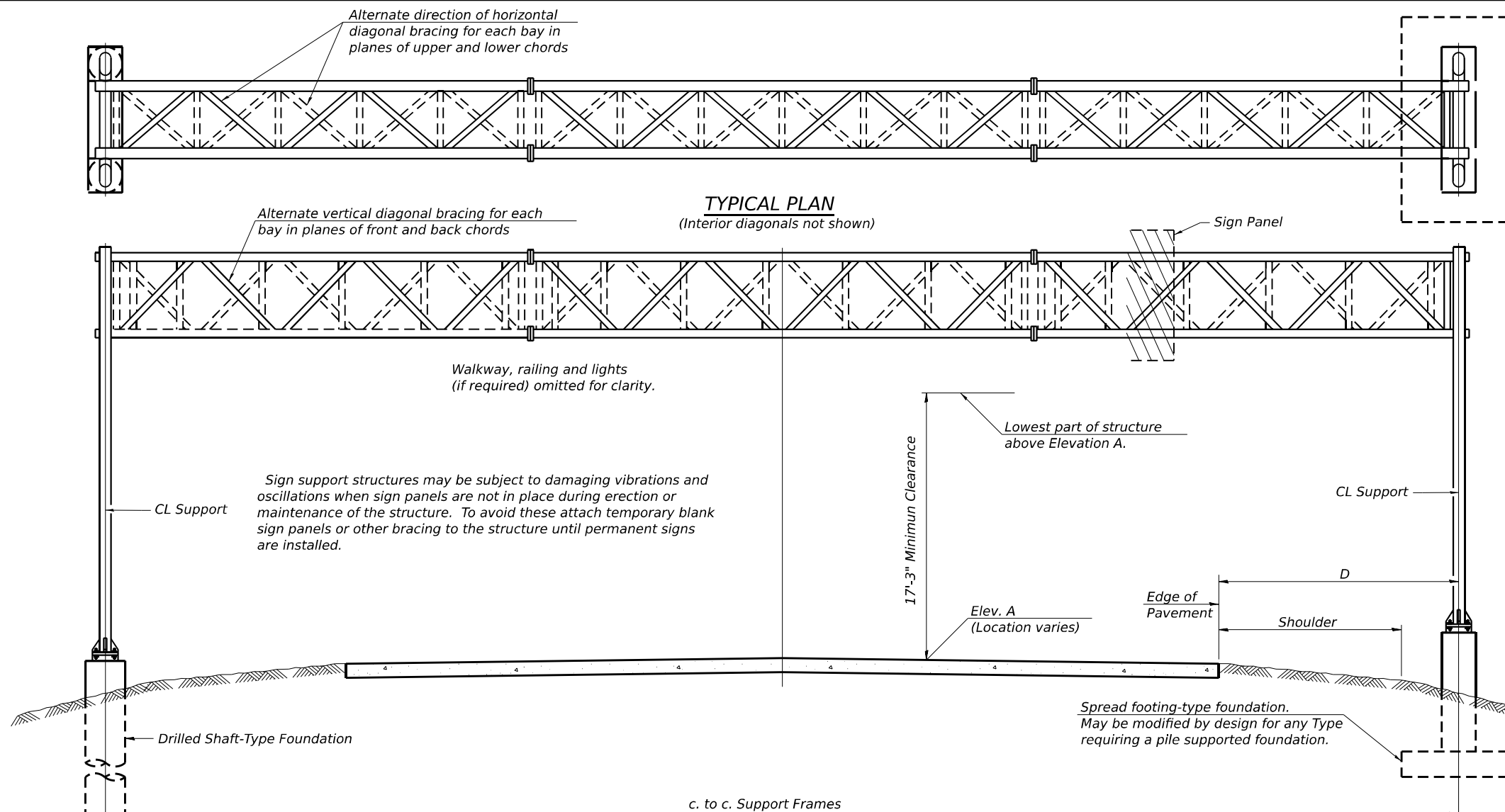
CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	265
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	200
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	176
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	141.3
DRILLED SHAFT IN ROCK	Cu. Yds.	5.2
REMOVE OVERHEAD SIGN SPAN	Each	4
CONCRETE FOUNDATIONS	Cu. Yds.	49.7
REMOVAL OF CONCRETE FOUNDATIONS	Each	16



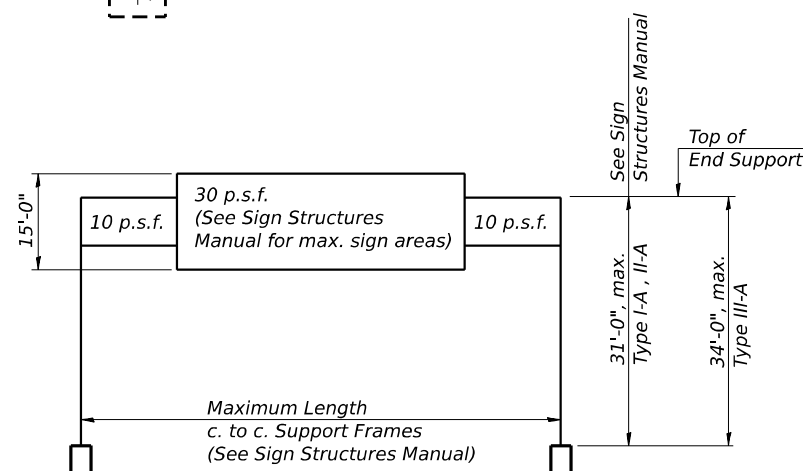
TYPICAL ELEVATION
(Looking at Face of Signs**)

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area	Future Sign Area
1S099I080R125.6	325+60	II-A	110'-0"	571.37	48'-6"	15'-6"	419 sqft	545 sqft
1S099I080R125.9	337+25	II-A	90'-0"	602.09	14'-3"	13'-0"	556 sqft	682 sqft
1S099I080R126.3	359+00	I-A	91'-0"	608.17	14'-7"	13'-0"	367 sqft	493 sqft
1S099I080L126.7	381+00	I-A	81'-0"	556.38	17'-2"	13'-0"	429 sqft	523 sqft
1S099I080R126.8	385+60	III-A	92'-0"	555.59	19'-0"	16'-6"	597 sqft	795 sqft
1S099I080R127.2	404+81	III-A	84'-0"	571.91	19'-10"	16'-6"	597 sqft	795 sqft
1S099I080L127.2	407+00	I-A	93'-0"	572.30	31'-6"	13'-0"	339 sqft	339 sqft

**Looking upstation for structures with signs both sides.

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

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USER NAME = hahassan_	DESIGNED - HMH	REVISED -
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PLOT DATE = 03/18/2022	DRAWN - HMH	REVISED -
	CHECKED - DTS	REVISED -

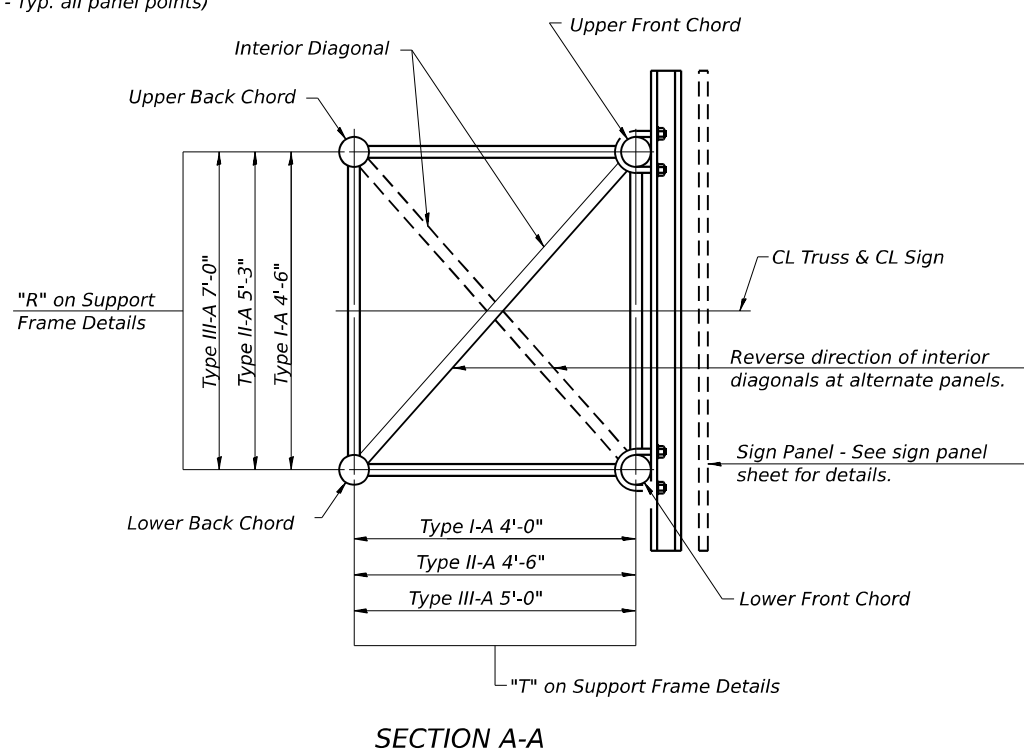
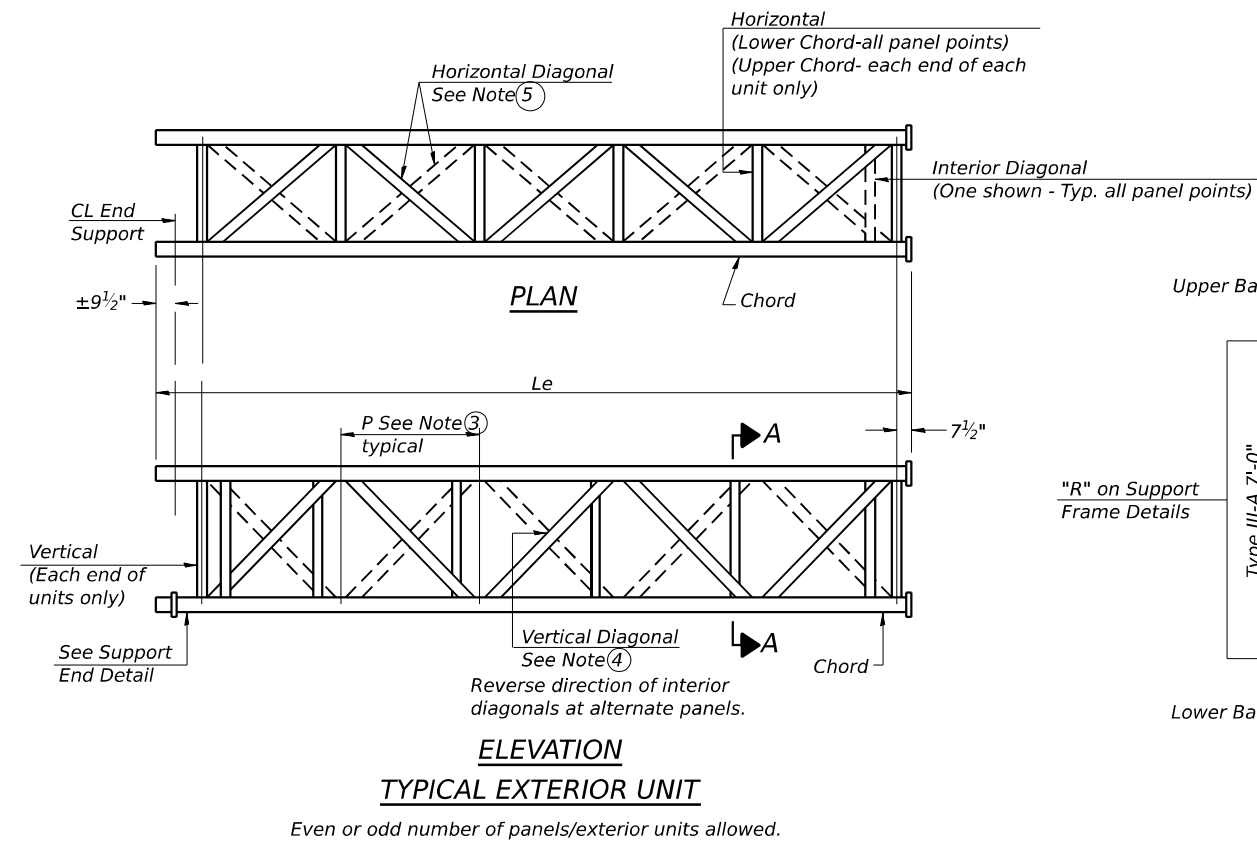
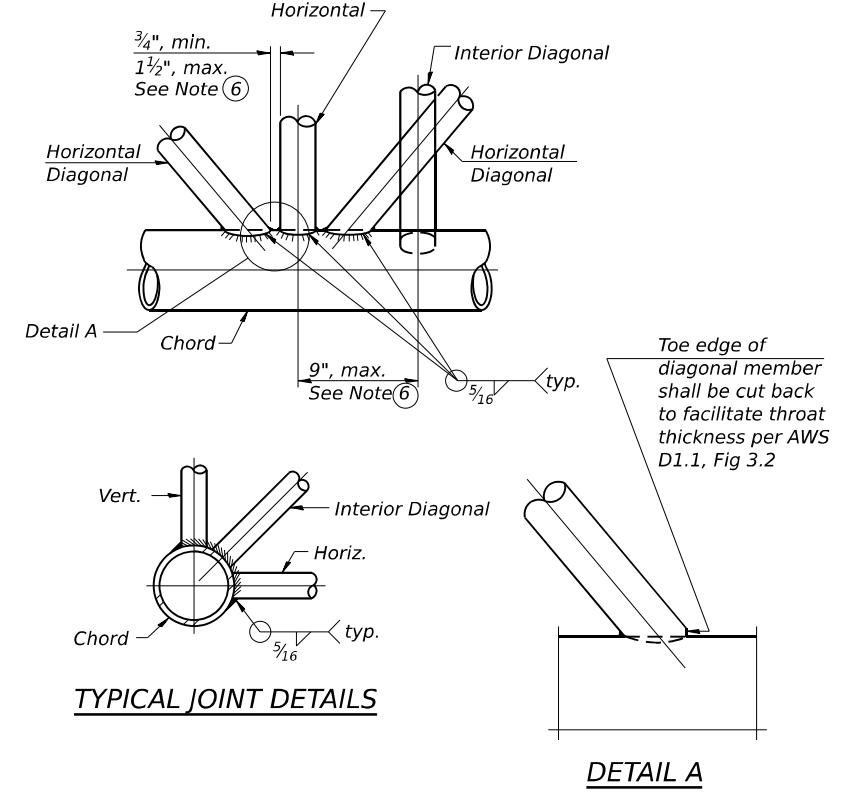
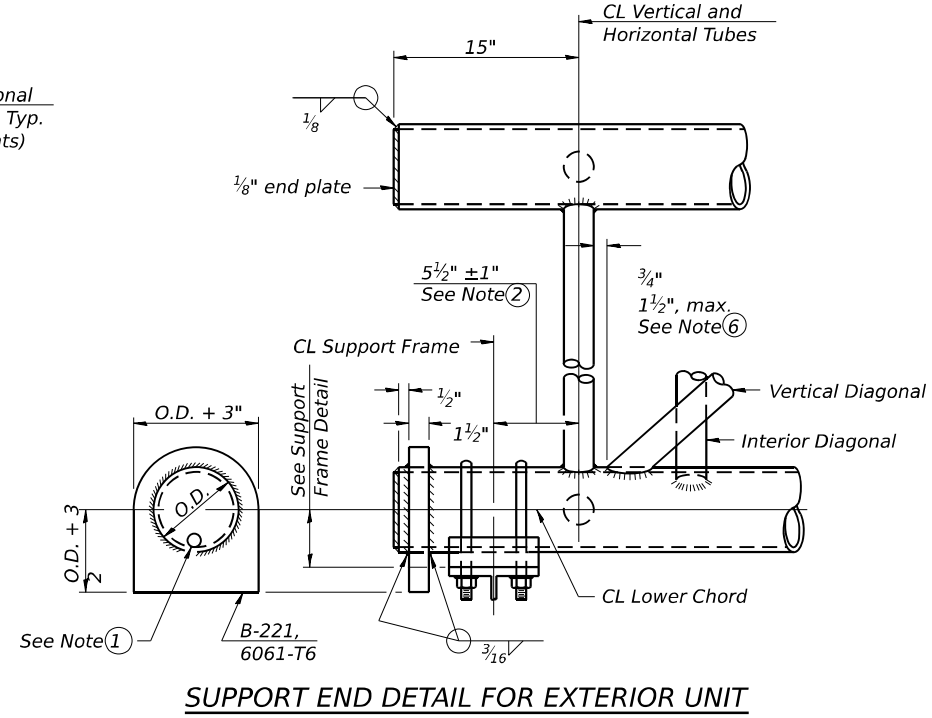
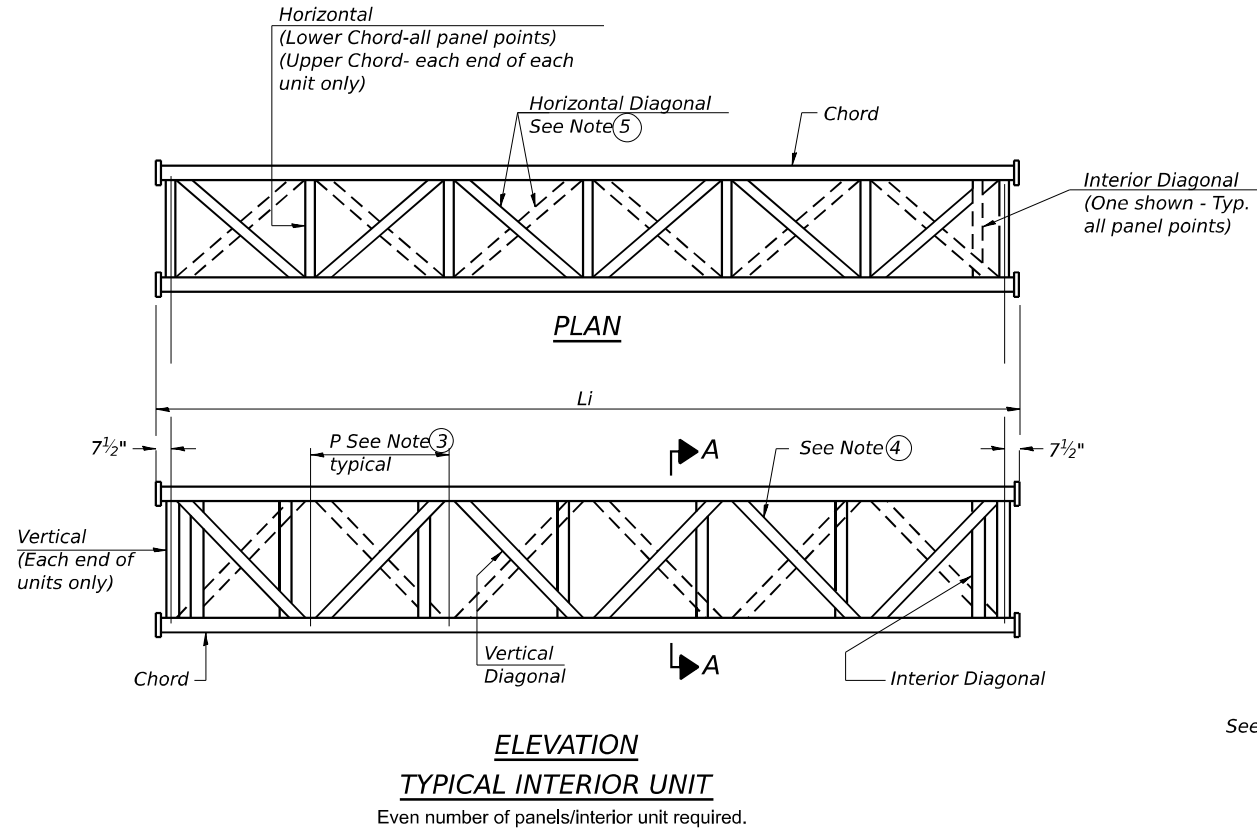
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES - GENERAL PLAN &
ELEVATION - ALUMINUM TRUSS & STEEL SUPPORTS

SHEET 1 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	382
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

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- ① Contractor may alternatively use standard aluminum drive-fit cap to close end. $\frac{1}{2}"$ \varnothing drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
- ② $5\frac{1}{2}"$ end dimension may vary by $\pm 1"$ to provide uniform panel spacing (P).
- ③ Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
- ④ Vertical Diagonals in front and back face shall alternate.
- ⑤ Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
- ⑥ All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a $\frac{3}{4}"$ minimum to $1\frac{1}{2}"$ maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.

OS-A-2

2-17-2017



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PLOT DATE = 03/18/2022	DRAWN - HMH	REVISED -
	CHECKED - DTS	REVISED -

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DEPARTMENT OF TRANSPORTATION**

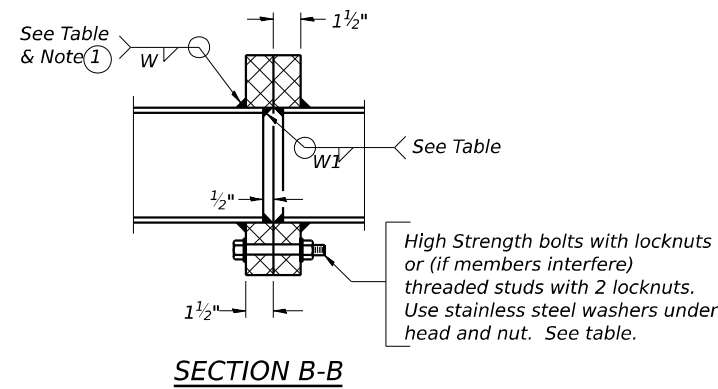
**OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS
DETAILS FOR TRUSS TYPES I-A, II-A AND III-A**

SHEET 2 OF 23 SHEETS

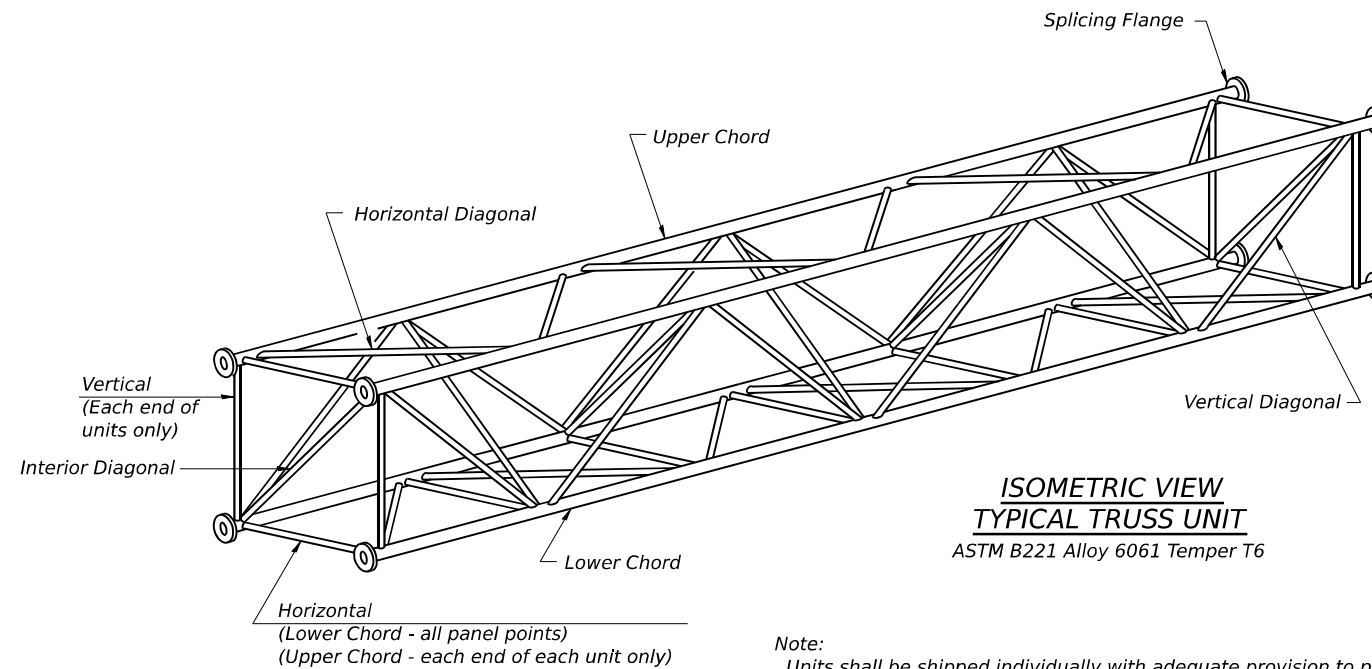
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I-80	FAI 80 21 STRUCTURE 7	WILL	1059	383
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

TRUSS UNIT TABLE

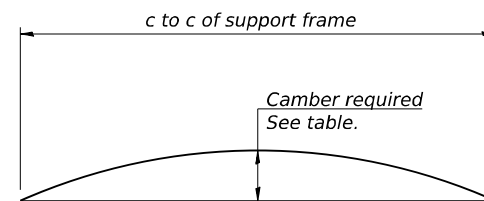
Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontal; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth. (Le)	Panel Lgth. (P)	No. Req'd.	No. Panels per Unit	Unit Lgth. (Li)	Panel Lgth. (P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	WI		
1S099I080R125.6	325+60	II-A	7	39'-2 1/2"	5'-4"	1	6	33'-3"	5'-4"	6 1/2"	5/16"	3"	5/16"	3 5/8"	6	1"	3/8"	1/4"	11"	14 1/2"
1S099I080R125.9	337+25	II-A	5	28'-11 1/2"	5'-5"	1	6	33'-9"	5'-5"	5 1/2"	5/16"	3"	5/16"	2 1/2"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"
1S099I080R126.3	359+00	I-A	6	31'-1 1/2"	4'-10 1/2"	1	6	30'-6"	4'-10 1/2"	5 1/2"	5/16"	2 1/2"	5/16"	2 7/8"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"
1S099I080L126.7	381+00	I-A	5	26'-1 3/4"	4'-10 1/4"	1	6	30'-4 1/2"	4'-10 1/4"	5"	5/16"	2 1/2"	5/16"	2 1/4"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
1S099I080R126.8	385+60	III-A	6	31'-4 1/2"	4'-11"	1	6	30'-9"	4'-11"	7"	5/16"	3 1/4"	5/16"	2"	6	1"	7/16"	5/16"	11 1/2"	15"
1S099I080R127.2	404+81	III-A	5	27'-1"	5'-0 1/2"	1	6	31'-6"	5'-0 1/2"	7"	5/16"	3 1/4"	5/16"	2"	6	1"	7/16"	5/16"	11 1/2"	15"
1S099I080L127.2	407+00	I-A	6	31'-9"	4'-11 3/4"	1	6	31'-1 1/2"	4'-11 3/4"	5 1/2"	5/16"	2 1/2"	5/16"	2 7/8"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"



1 Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.

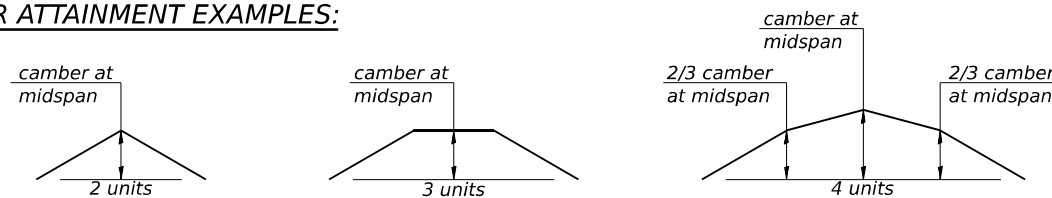


Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.

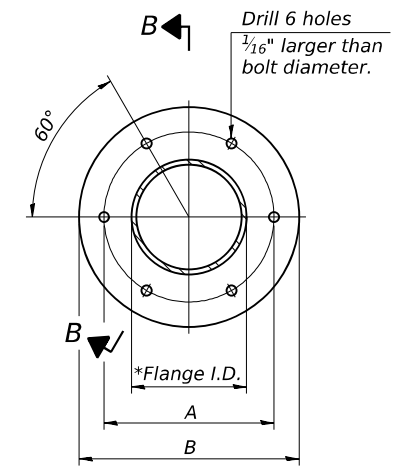


Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

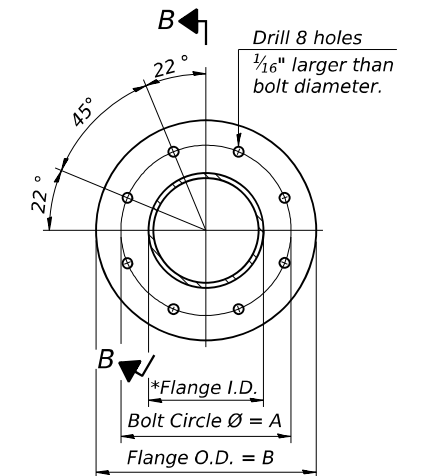
CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A
SPlicing FLANGES

ASTM B221, Alloy 6061-T6
or ASTM B209, Alloy 6061-T651
*To fit O.D. of Chord with maximum gap of 1/16".

OS4-A-2 2-17-2017



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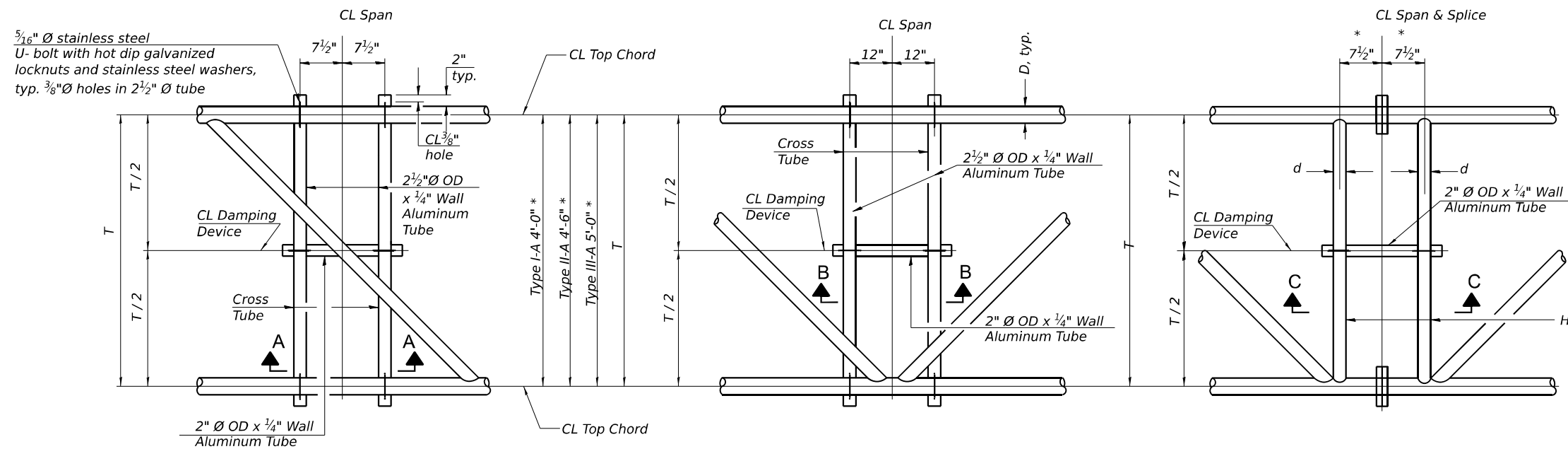
OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS DETAILS
FOR TRUSS TYPES I-A, II-A AND III-A

SHEET 3 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	384
CONTRACT NO. 62R28				
ILLINOIS		FED. AID PROJECT		

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PLAN DETAIL "A"

CL Span between Panel Points

PLAN DETAIL "B"

CL Span at Panel Point

PLAN DETAIL "C"

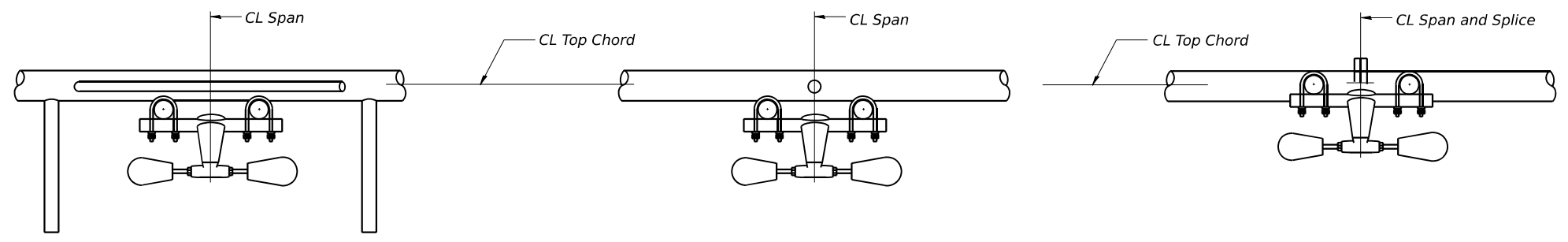
CL Span at CL Chord Splice

* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.

NOTES

Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure...

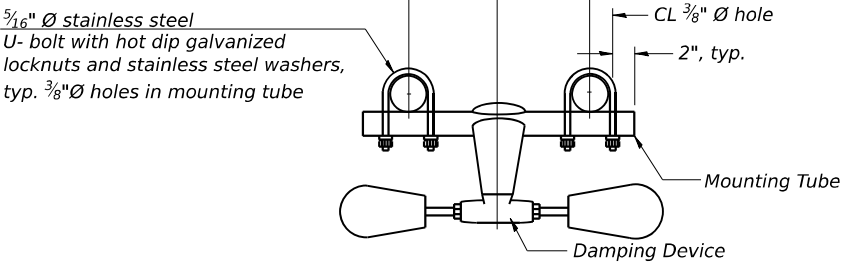
Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



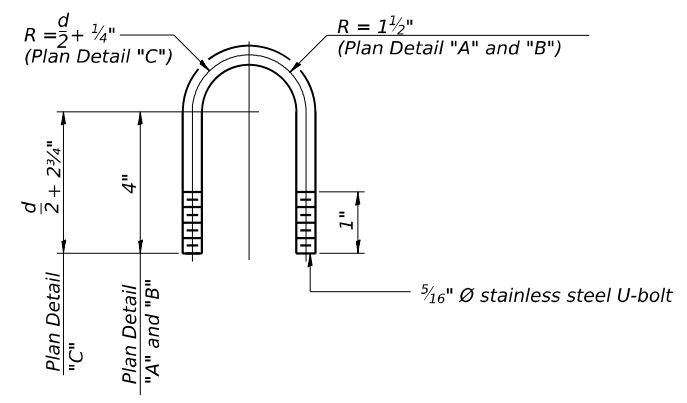
SECTION A-A

SECTION B-B

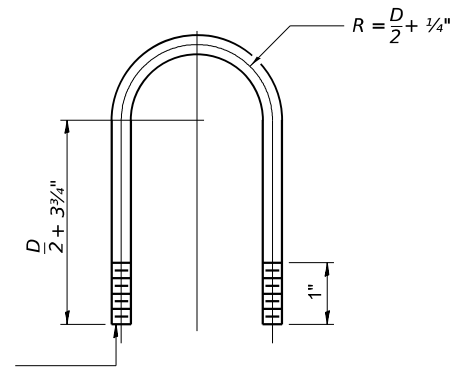
SECTION C-C



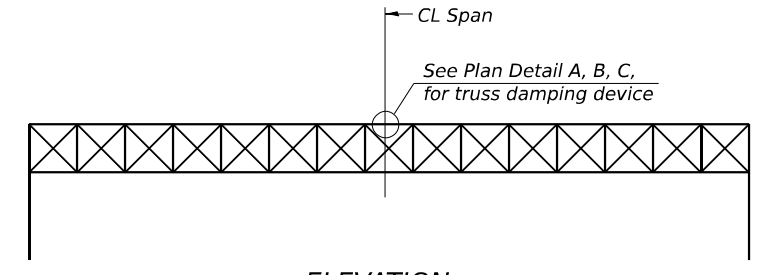
TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)



TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical - Detail "A" and "B")



ELEVATION
Aluminum Overhead Sign Truss

OS-A-D

2-17-2017



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PLOT SCALE = 32.0000' / 1 in.	CHECKED - DTS	REVISED -
PLOT DATE = 03/18/2022	DRAWN - HMH	REVISED -
	CHECKED - DTS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

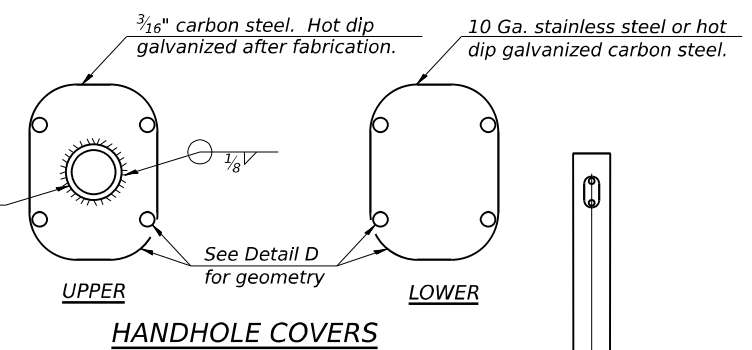
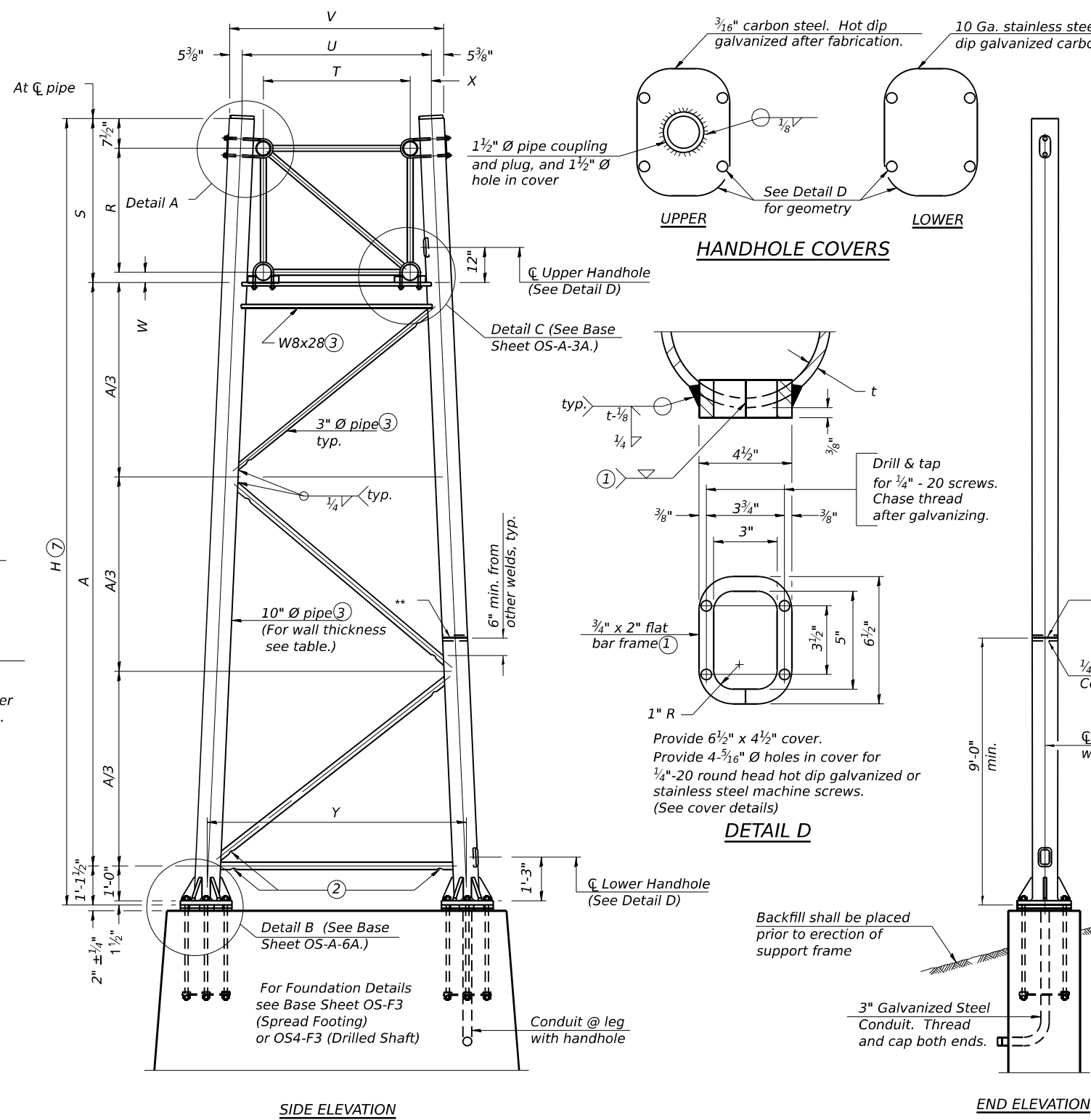
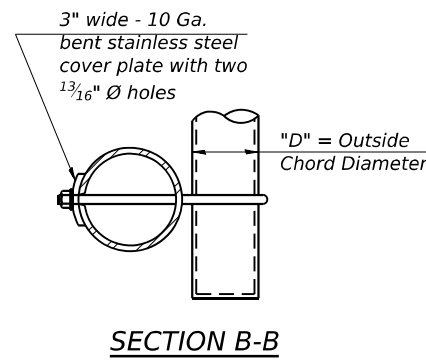
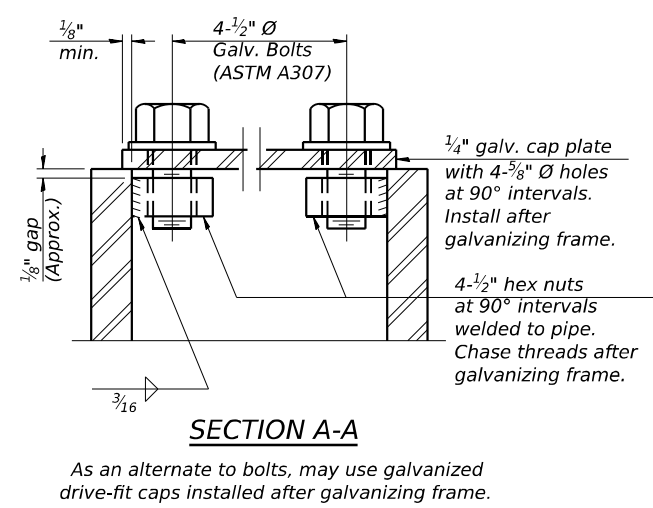
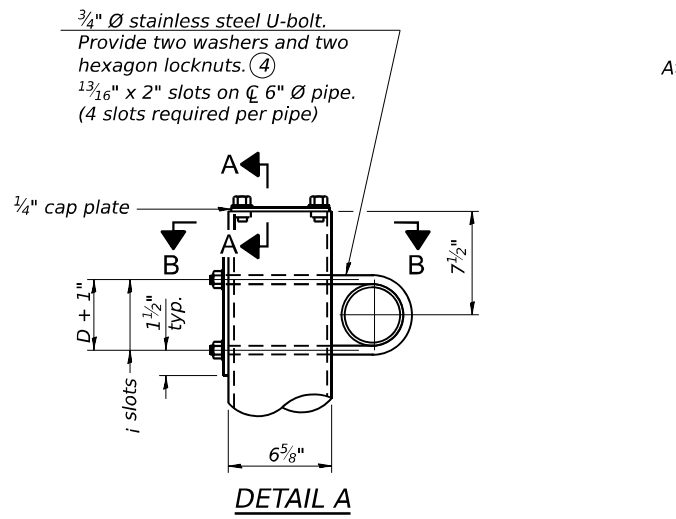
**OVERHEAD SIGN STRUCTURE
DAMPING DEVICE**

SHEET 4 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	385
CONTRACT NO. 62R28				

ILLINOIS FED. AID PROJECT

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- Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
 Load combinations checked include deadload plus:
 a) 100% wind normal to sign, 20% parallel to sign
 b) 60% wind normal to sign, 30% parallel to sign
- ① In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500µ or less.
 - ② Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
 - ③ Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
 - ④ See General Notes for fasteners.
 - ⑤ Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
 - ⑥ "H" based on 15'-0" or actual sign height, whichever is greater.

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5 1/2"	4'-0"	5'-6"	6'-4 3/4"	4"	9"	8'-3"
II-A (5)	5'-3"	6'-3 1/4"	4'-6"	6'-1"	6'-11 3/4"	4 3/4"	9 1/2"	8'-3"

10" DIAMETER PIPE TRUSS SUPPORT FRAME

** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H (6)	A
		Left	Right				
1S099I080R125.6	325+60	-	X	II-A	0.365"	30'-6"	23'-1 1/4"
	325+60	X	-	II-A	0.365"	26'-7 1/2"	19'-2 3/4"
1S099I080R125.9	337+25	-	X	II-A	0.365"	27'-9 1/8"	20'-4 3/8"
	337+25	X	-	II-A	0.365"	27'-8 1/4"	20'-3 1/2"
1S099I080R126.3	359+00	-	X	I-A	0.279"	28'-9"	22'-2"
	359+00	X	-	I-A	0.279"	26'-0 1/8"	19'-5 1/8"
1S099I080L126.7	381+00	-	X	I-A	0.279"	26'-0"	19'-5"
	381+00	X	-	I-A	0.279"	28'-11"	22'-4"
1S099I080L127.2	407+00	-	X	I-A	0.279"	24'-10 1/8"	18'-3 3/8"
	407+00	X	-	I-A	0.279"	31'-0"	24'-5"

OS-A-6

2-17-2017



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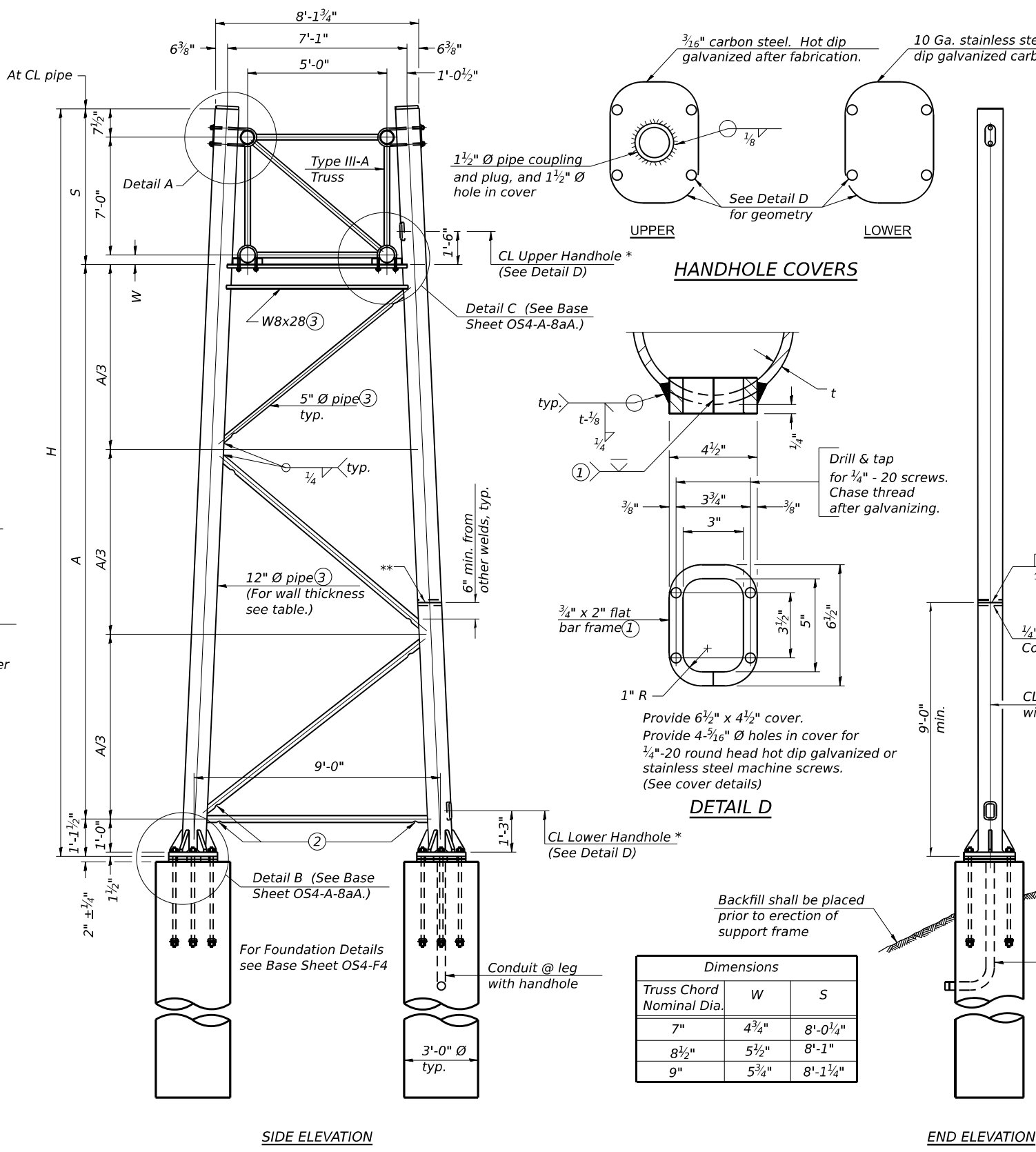
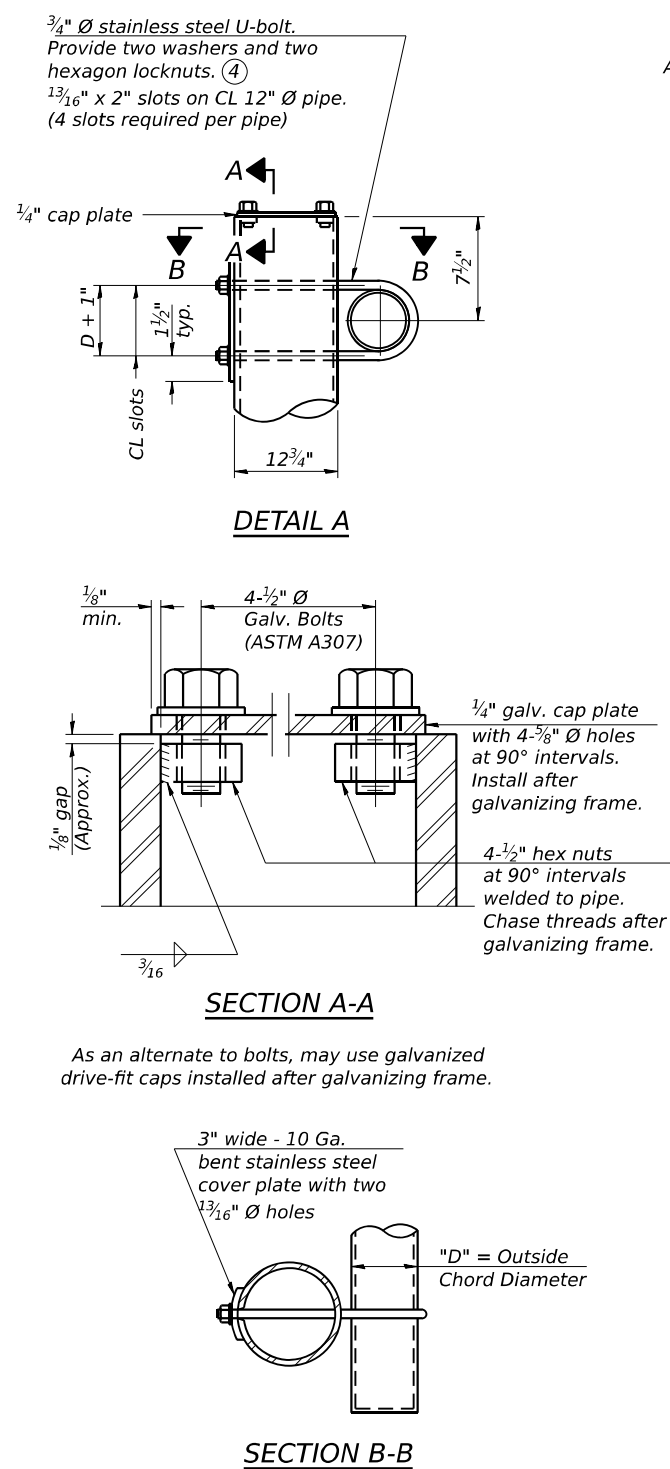
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
 SUPPORT FRAME FOR ALUMINUM TRUSS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	386
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

SHEET 5 OF 23 SHEETS

MODEL: Default
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- Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
 Load combinations checked include deadload plus:
 a) 100% wind normal to sign, 20% parallel to sign
 b) 60% wind normal to sign, 30% parallel to sign
- In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μ m or less.
 - Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
 - Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
 - See General Notes for fasteners.
 - Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
 - "H" based on 15'-0" or actual sign height, whichever is greater.
- * For dynamic message sign installations, provide upper and lower handholes in both legs of each support frame.

Dimensions		
Truss Chord Nominal Dia.	W	S
7"	4 3/4"	8'-0 1/4"
8 1/2"	5 1/2"	8'-1"
9"	5 3/4"	8'-1 1/4"

Structure Number	Station	Support		Pipe Wall Thickness	H (6)	A
		Left	Right			
1S0991080R126.8	385+60	-	X	0.33"	30'-4"	21'-2 1/4"
	385+60	X	-	0.33"	27'-11 3/8"	18'-9 7/8"
1S0991080R127.2	404+81	-	X	0.33"	30'-11"	21'-9 1/4"
	404+81	X	-	0.33"	29'-3 1/2"	20'-1 3/4"

TRUSS SUPPORT DETAILS

(12" \varnothing Pipe-Type III-A Truss)
 ** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

OS4-A-8a

2-17-2017



USER NAME = hahassan_	DESIGNED - HMH	REVISED -
PLOT SCALE = 32.0000' = 1"	CHECKED - DTS	REVISED -
PLOT DATE = 03/18/2022	DRAWN - HMH	REVISED -
	CHECKED - DTS	REVISED -

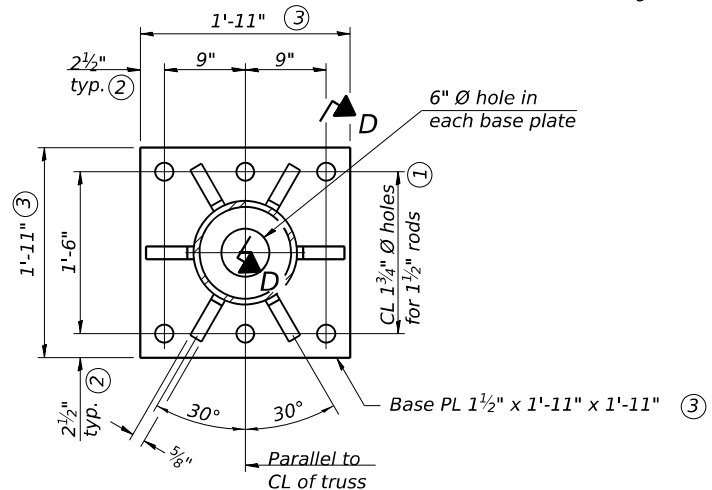
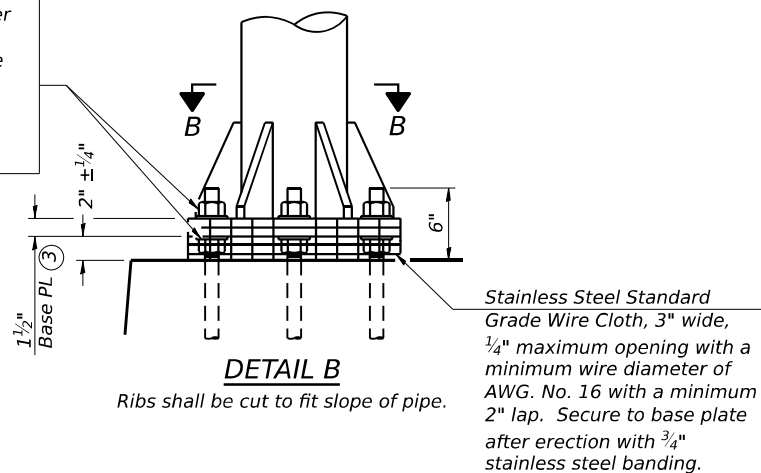
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES - SUPPORT FRAME
 FOR TYPE III-A ALUMINUM TRUSS

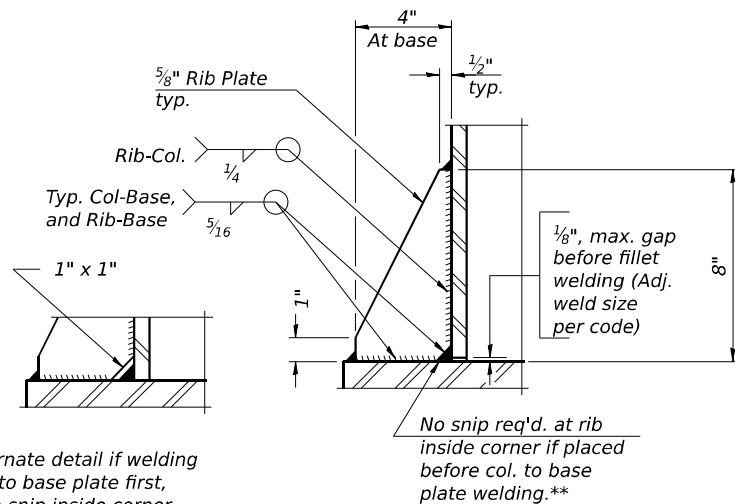
SHEET 7 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	388
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.

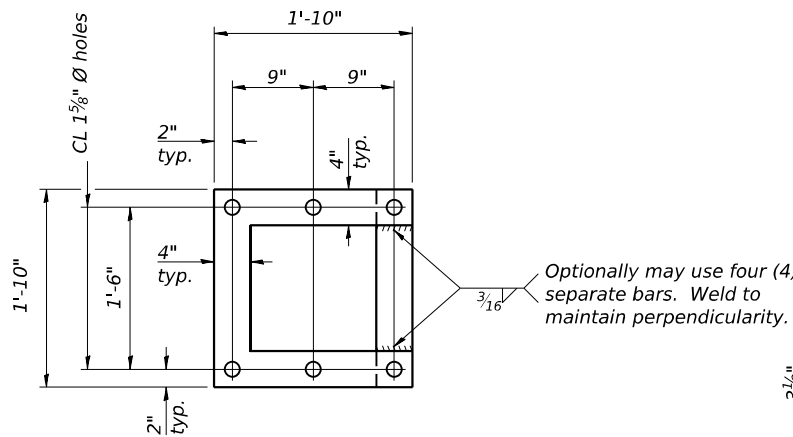


SECTION B-B

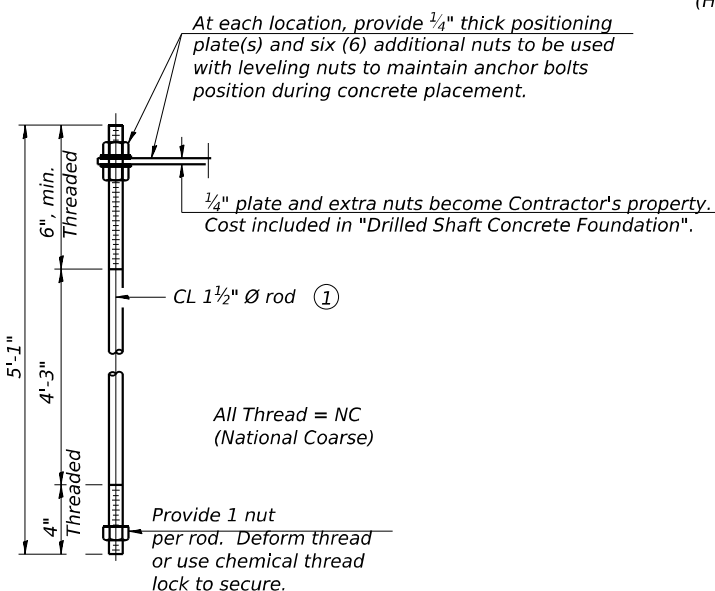


SECTION D-D

** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4 inch from snip.



POSITIONING PLATE(S)



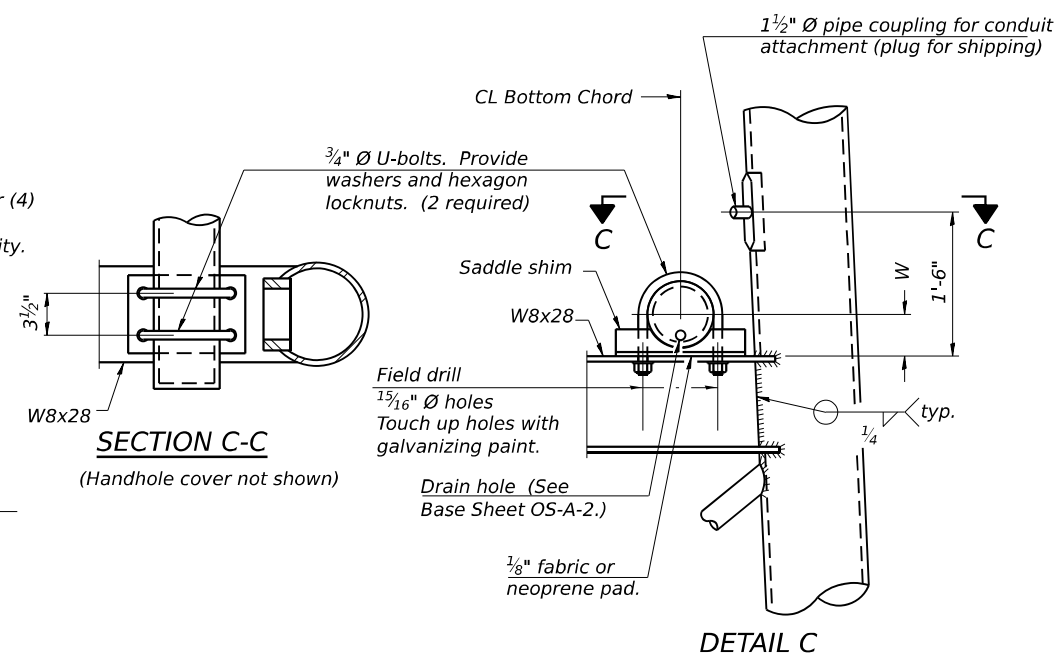
ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105 Galvanize upper 12 inch minimum per AASHTO M232. No welding shall be permitted on rods.

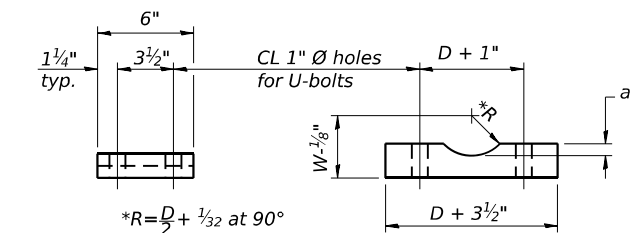
TYPE III-A TRUSS
12" Ø PIPE SUPPORT FRAME DETAILS

Notes:
For Type III-A Truss spans greater than 150 ft, and up to 160 ft.:

- ① 1 3/4" Ø rod, 2" Ø holes
- ② 2 3/4" edge distance
- ③ Base PL 1 5/8" x 1'-11 1/2" x 1'-11 1/2"



DETAIL C



SADDLE SHIM DETAIL

Truss Chord Nominal Dia.	a
7"	1"
8 1/2"	1 1/4"
9"	1 3/8"

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

MODEL: Default FILE NAME: pw://transystems-pw.bentley.com/transystems-pw1-hosted/Documents/Projects_2018/CH401/401180022/01-Structures/04-Sheets/04-Structures/Sign Structures/0162R28-sht-ohs-006a.dgn

OS4-A-8aA

2-17-2017



USER NAME = hahassan_	DESIGNED - HMH	REVISED -
PLOT SCALE = 32.0000 * 1/in.	CHECKED - DTS	REVISED -
PLOT DATE = 03/18/2022	DRAWN - HMH	REVISED -
	CHECKED - DTS	REVISED -

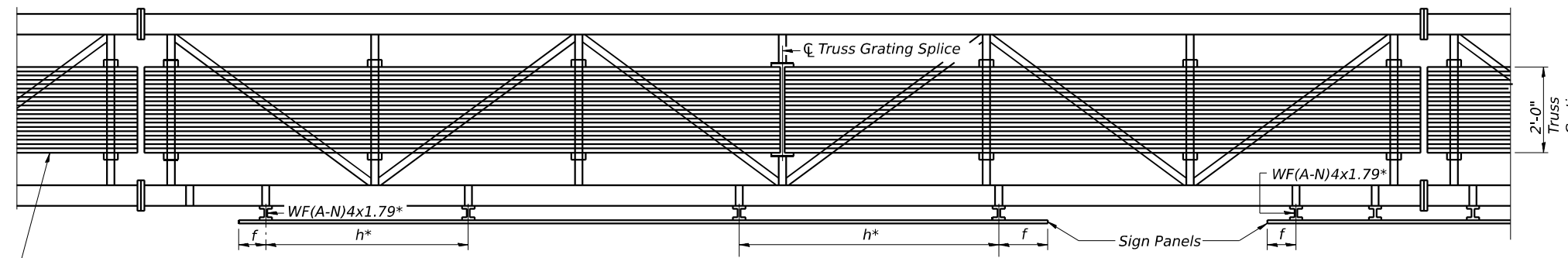
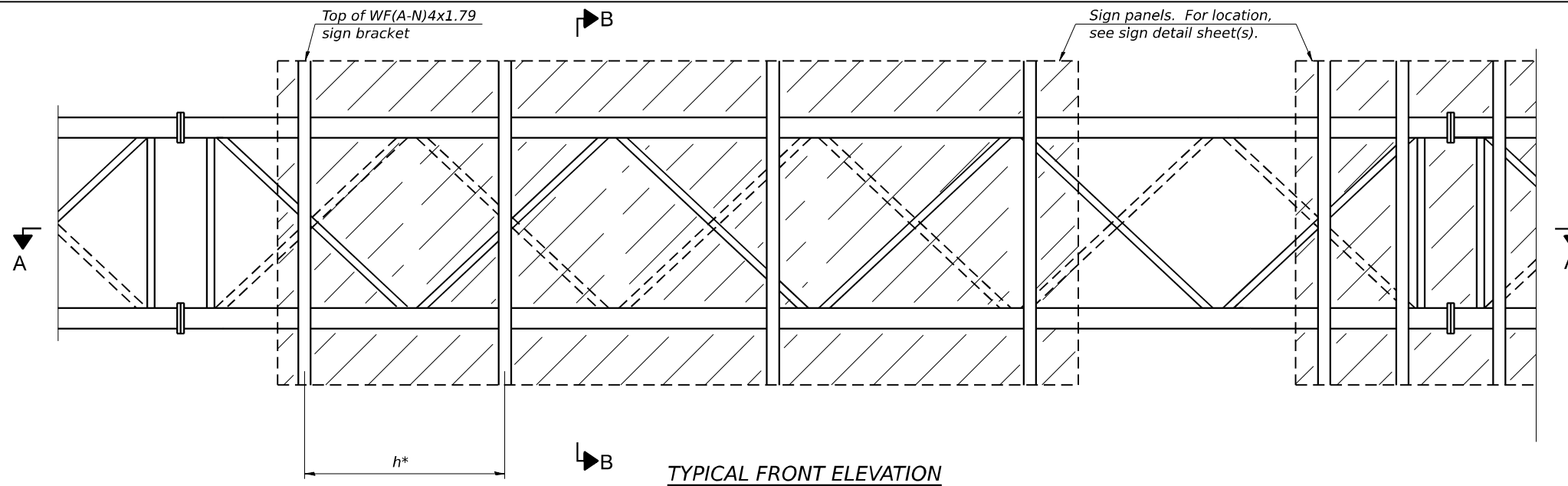
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR TYPE III-A ALUMINUM TRUSS

SHEET 8 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	389
			CONTRACT NO. 62R28	
		ILLINOIS	FED. AID PROJECT	

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Place all sign brackets as close to panel points as practical.

BRACKET TABLE

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

Notes:
 * Space sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:
 f = 12" maximum, 4" minimum (End of sign to C of nearest bracket)
 h = 6'-0" maximum (C to C sign and/or walkway support brackets, WF(A-N)4x1.79)

For Detail T and Section B-B, see Base Sheet OS-A-10-NW.
 Truss grating to facilitate inspection shall run full length (centr to center of support frames) 12"± on overhead trusses.
 Cost of truss grating is included in "Overhead Sign Structure".
 Truss Grating width dimensions are nominal and may vary 1/2"± based on available standard widths.

OS-A-9-NW 4-1-2020



USER NAME = hahassan_	DESIGNED - HMH	REVISED -
PLOT SCALE = 32.0000_1/in.	CHECKED - DTS	REVISED -
PLOT DATE = 03/18/2022	DRAWN - HMH	REVISED -
	CHECKED - DTS	REVISED -

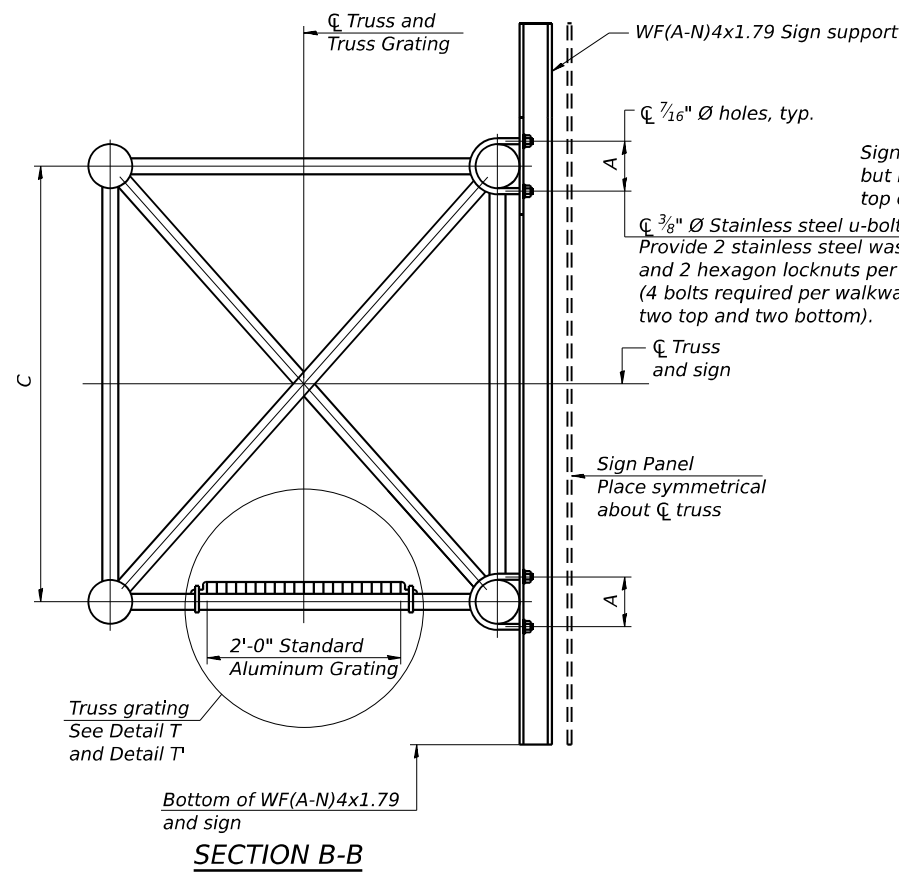
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
 ALUMINUM WALKWAY DETAILS

SHEET 9 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	390
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

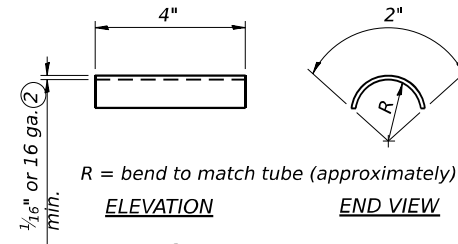
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SECTION B-B

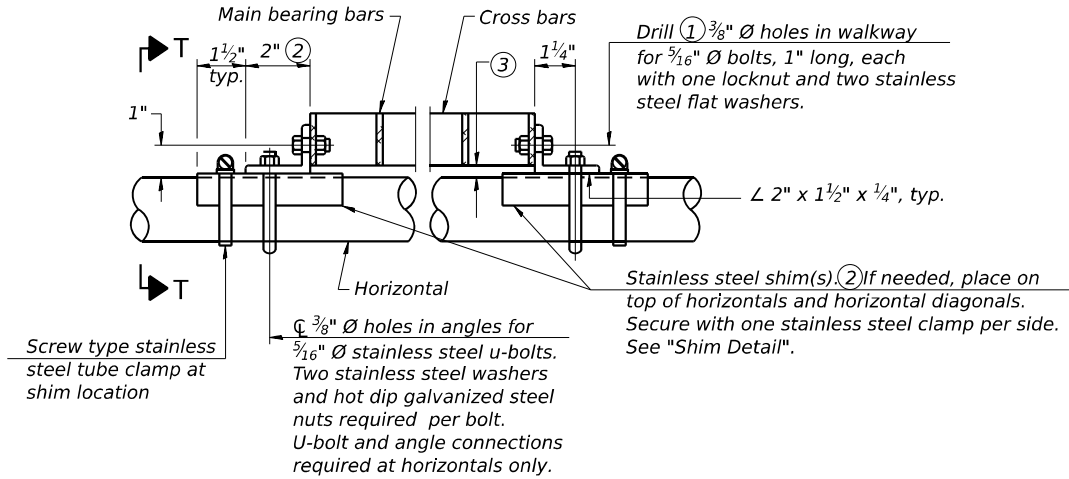
Sign shall be even with the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.

Provide 2 stainless steel washers and 2 hexagon locknuts per bolt. (4 bolts required per walkway bracket, two top and two bottom).



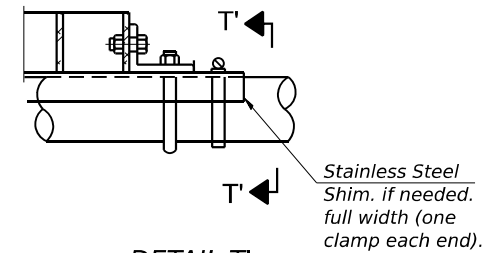
SHIM DETAIL

- ① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- ② Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- ③ Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.



DETAIL T

(Continuous Truss grating)



DETAIL T'
(Truss grating splice)

Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.

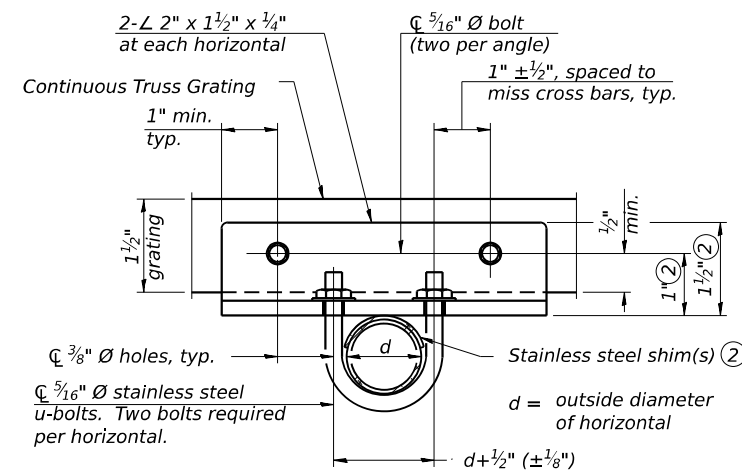
SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.
 Cross bars shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

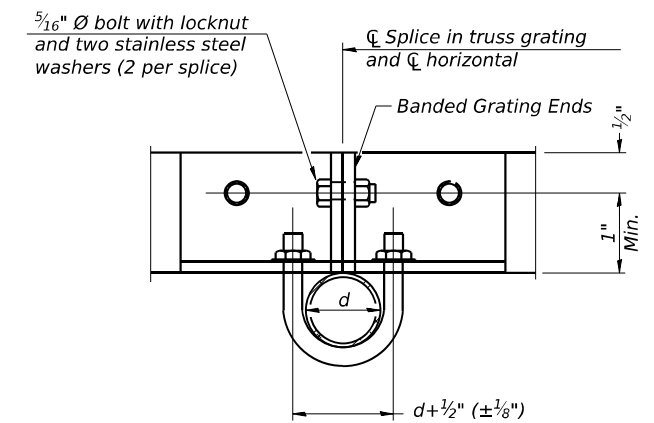
OR

Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:
 Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1 1/2", spaced on 1 3/16" centers.
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	C
1S0991080R125.6	325+60	7"	5'-3"
1S0991080R125.9	337+25	6"	5'-3"
1S0991080R126.3	359+00	6"	4'-6"
1S0991080L126.7	381+00	5 1/2"	4'-6"
1S0991080R126.8	385+60	7 1/2"	7'-0"
1S0991080R127.2	404+81	7 1/2"	7'-0"
1S0991080L127.2	407+00	6"	4'-6"



SECTION T-T



SECTION T'-T'

OS-A-10-NW 4-1-2020



USER NAME = hahassan_	DESIGNED - HMH	REVISED -
PLOT SCALE = 32.0000' = 1 in.	CHECKED - DTS	REVISED -
PLOT DATE = 03/18/2022	DRAWN - HMH	REVISED -
	CHECKED - DTS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS**

SHEET 10 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	391
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	—
#4 bar spiral (E) - see Side Elevation				

NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

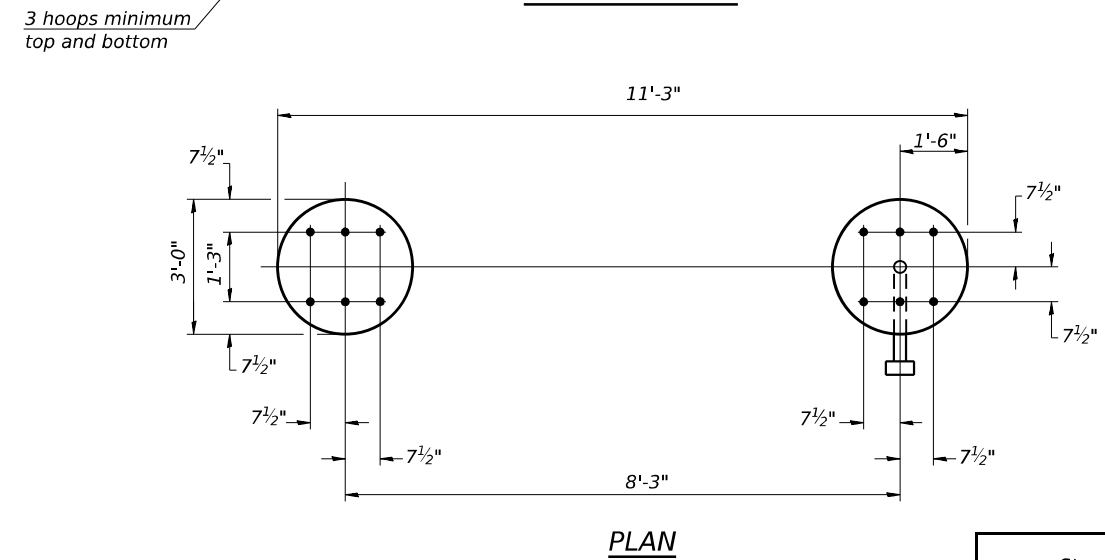
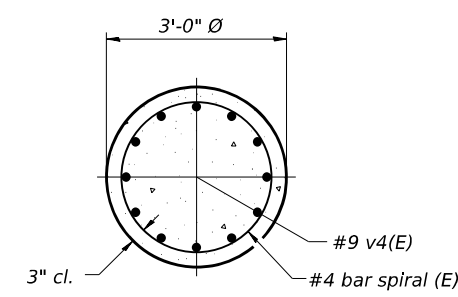
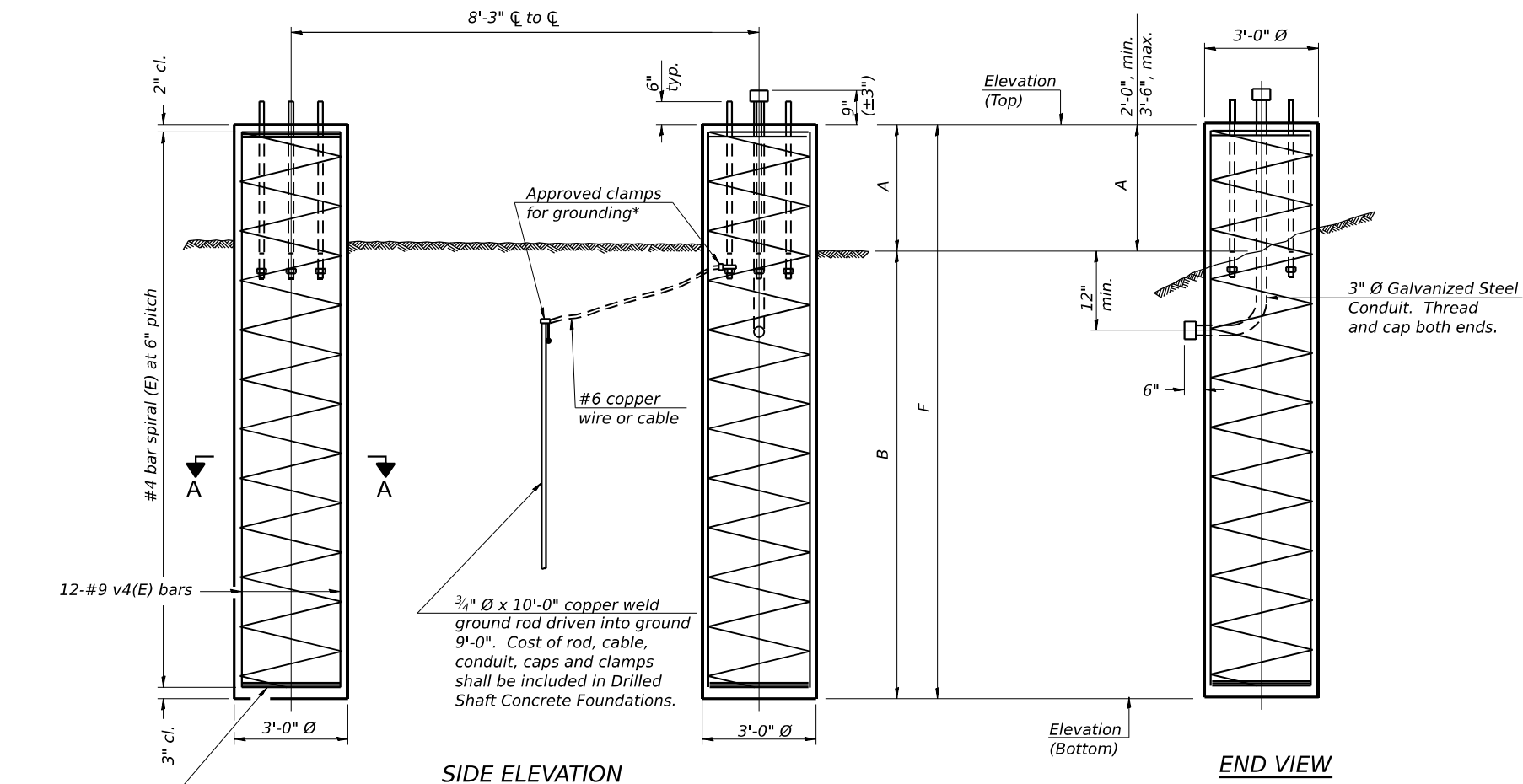
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.



For anchor rod size and placement, see Support Frame Detail Sheet.

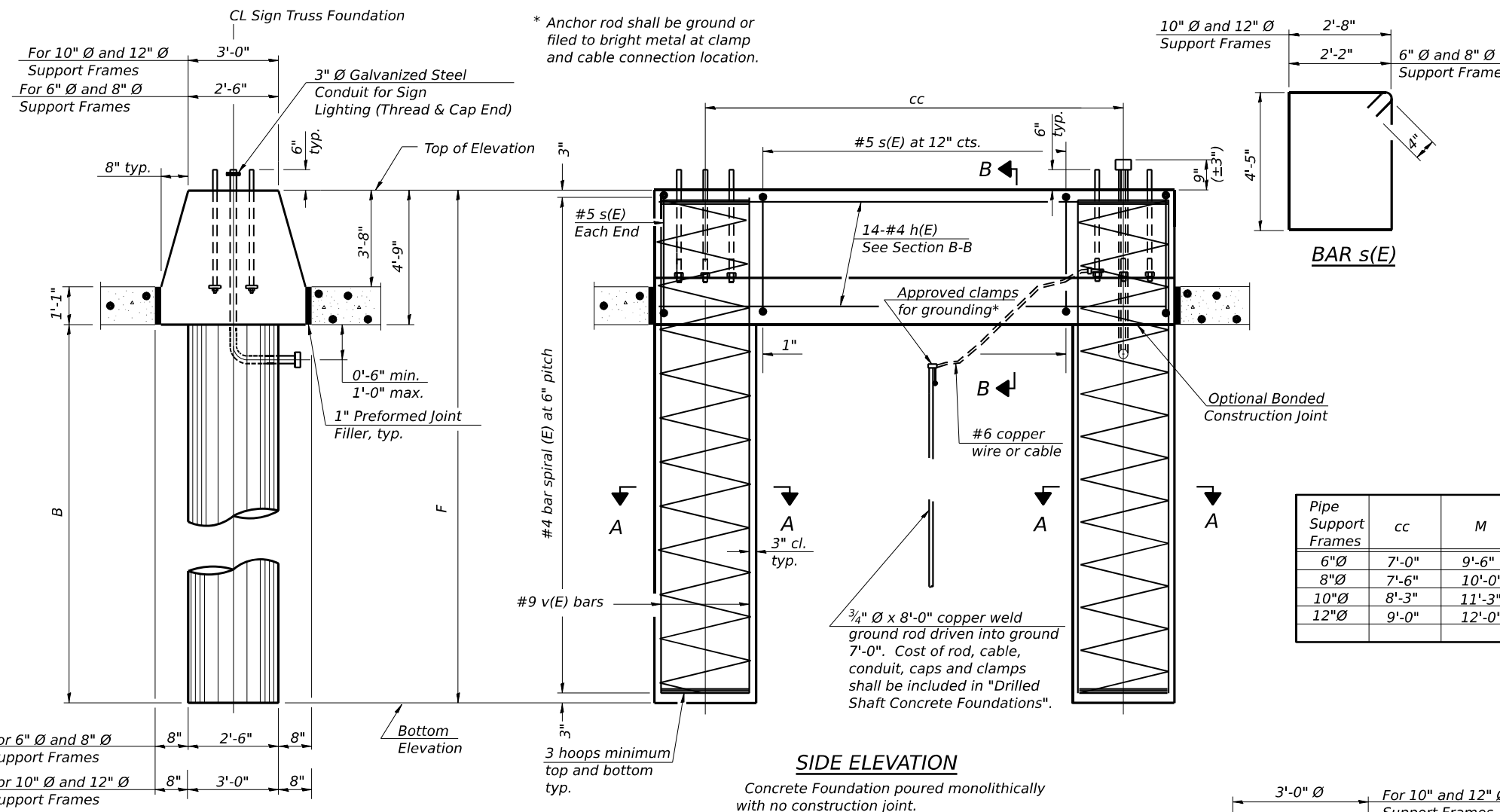
* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

DETAILS FOR 10"Ø SUPPORT FRAME TYPE I-A OR II-A TRUSS

Structure Number	Station	Elevation Top	Left Foundation			Right Foundation			Class DS Concrete (Cu. Yds.)		
			Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom		A	B
1S099I080R125.9	337+25	-	-	-	-	603.41	583.41	2'-6"	17'-6"	20'-0"	10.5
1S099I080R126.3	359+00	-	-	-	-	608.20	589.20	2'-6"	16'-6"	19'-0"	9.9
1S099I080L126.7	381+00	556.23	537.23	2'-6"	16'-6"	19'-0"	-	-	-	-	9.9

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8/9/2023 5:10:09 PM



NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Q_u) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints. Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.

Cost of preformed joint filler included in Drilled Shaft Concrete Foundation.

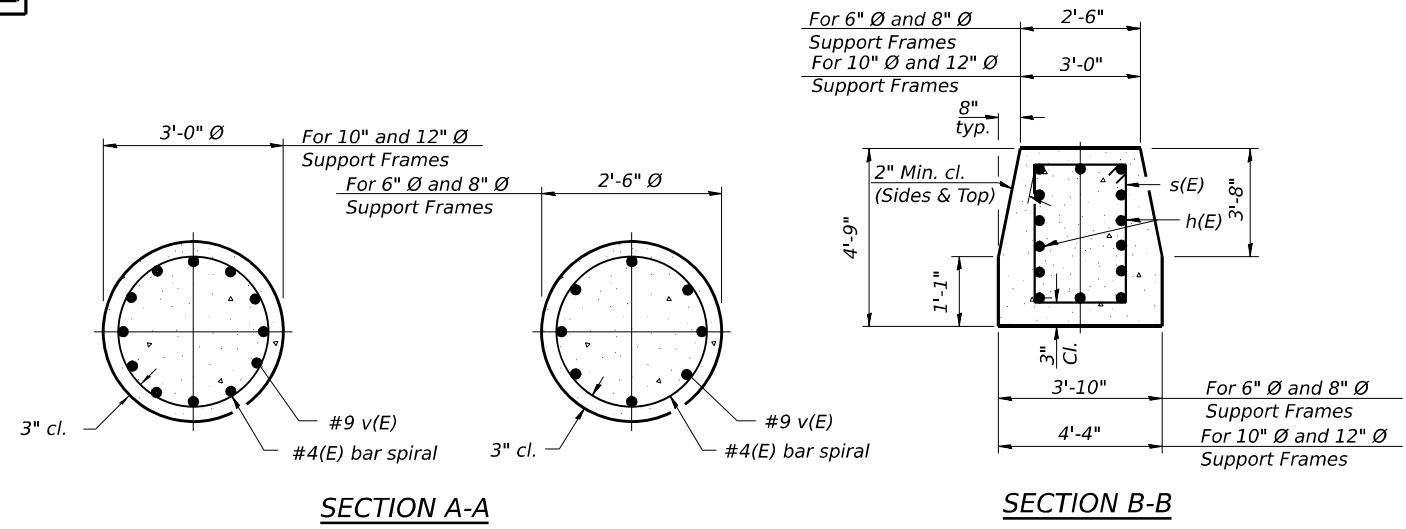
BAR LIST - EACH FOUNDATION

Pipe Support Frames	cc	M	a	a/2
6"Ø	7'-0"	9'-6"	0'-11"	5 1/2"
8"Ø	7'-6"	10'-0"	1'-1 1/2"	6 3/4"
10"Ø	8'-3"	11'-3"	1'-3"	7 1/2"
12"Ø	9'-0"	12'-0"	1'-6"	9"

Bar	Number	Size	Length	Shape
h(E)	14	#4	M less 4"	—
s(E)	Varies	#5	14'-10"	□
v(E)	16	#9	F less 0'-5"	—
v(E)	24	#9	F less 0'-5"	—
#4(E) bar spiral see Side Elevation				

6" Ø and 8" Ø Support Frame

10" Ø and 12" Ø Support Frame



Structure Number	Station	Left Foundation				Right Foundation				**Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
1S0991080R125.9	337+25	603.49	581.24	17'-6"	22'-3"	—	—	—	—	16.7
1S0991080R126.3	359+00	610.94	589.69	16'-6"	21'-3"	—	—	—	—	16.2
1S0991080L126.7	381+00	—	—	—	—	559.15	537.90	16'-6"	21'-3"	16.2
1S0991080R126.8	385+60	558.36	535.61	18'-0"	22'-9"	—	—	—	—	17.0
1S0991080L127.2	407+00	—	—	—	—	575.49	554.24	16'-6"	21'-3"	16.2

** includes drilled shaft and barrier



USER NAME = hahassan_	DESIGNED - HMH	REVISED -
CHECKED - DTS	REVISIONS -	
PLOT SCALE = 32.0000' = 1"	DRAWN - HMH	REVISED -
PLOT DATE = 03/18/2022	CHECKED - DTS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

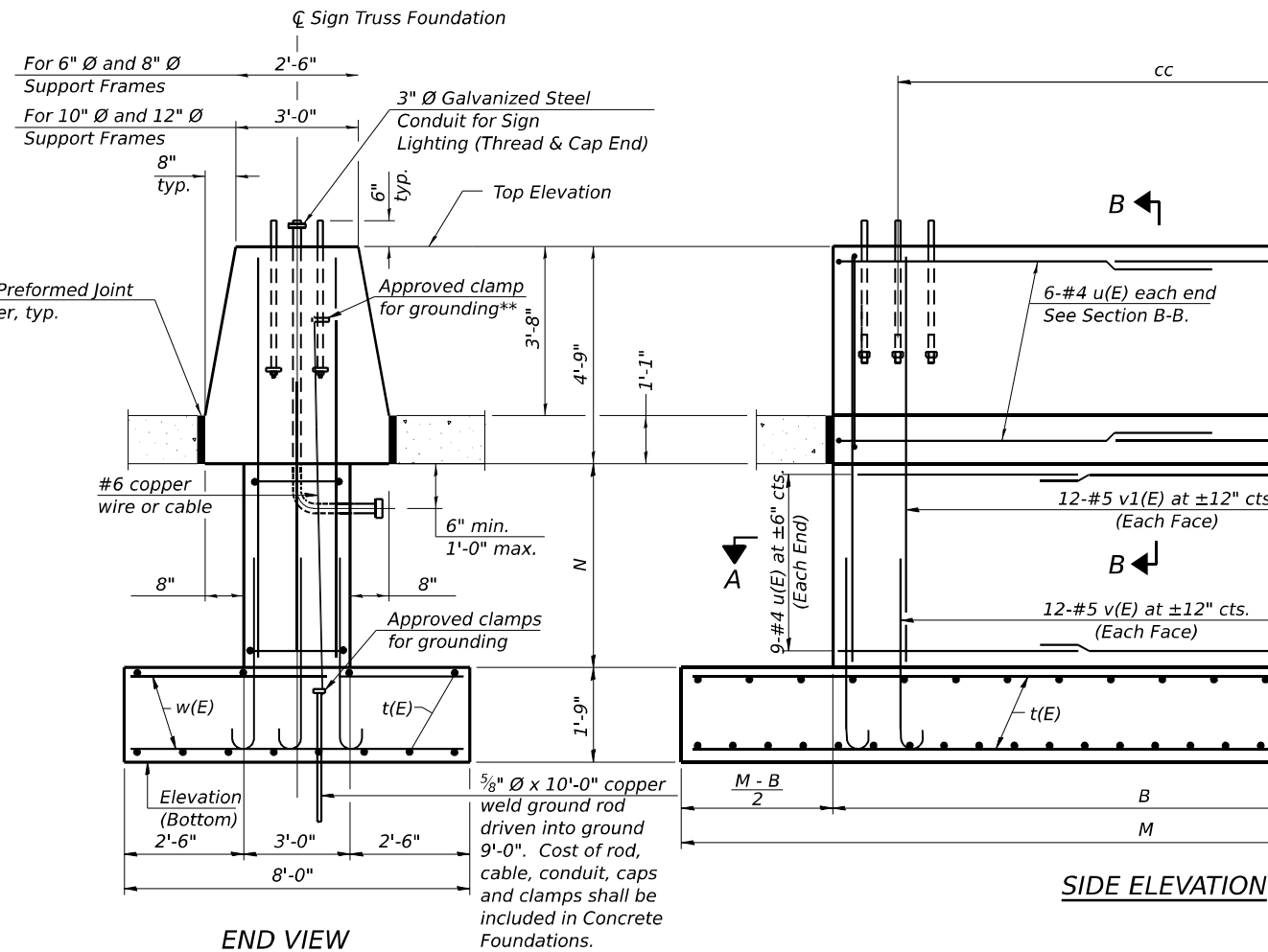
OVERHEAD SIGN STRUCTURES
MEDIAN SUPPORT FOUNDATION DETAILS

SHEET 12 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				

CONTRACT NO. 62R28

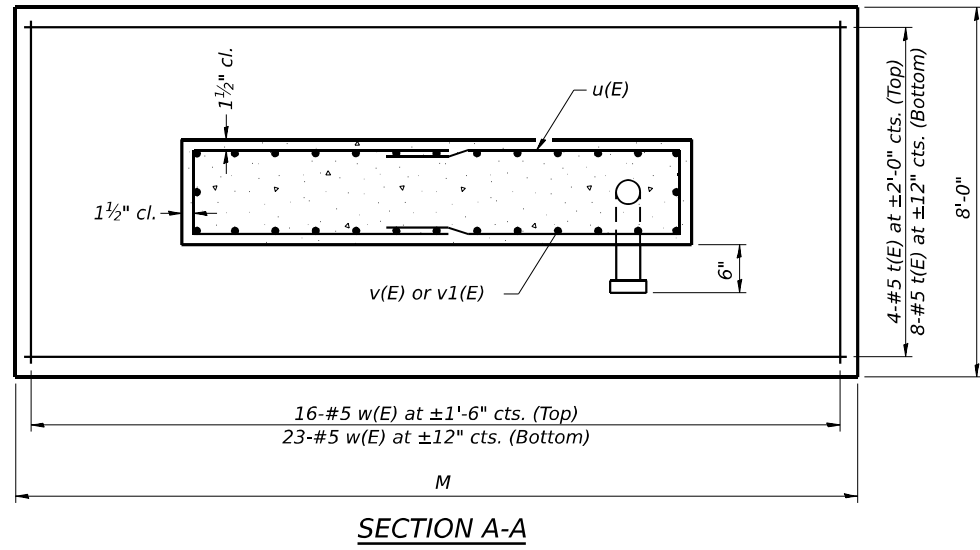
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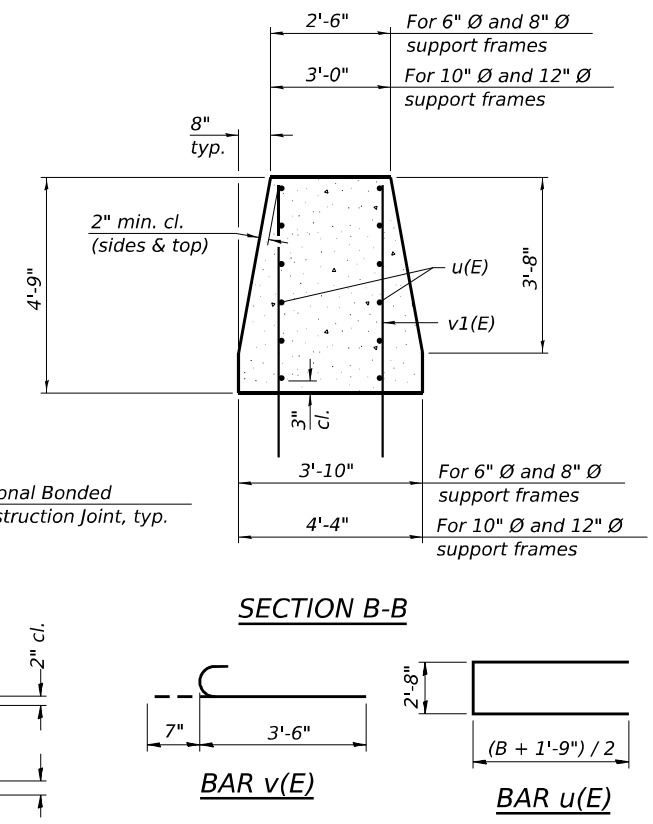
SIDE ELEVATION

END VIEW

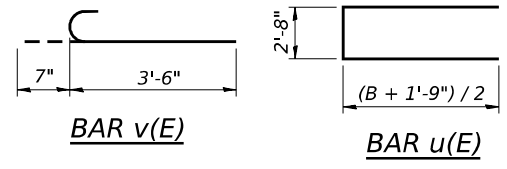
** Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.



SECTION A-A

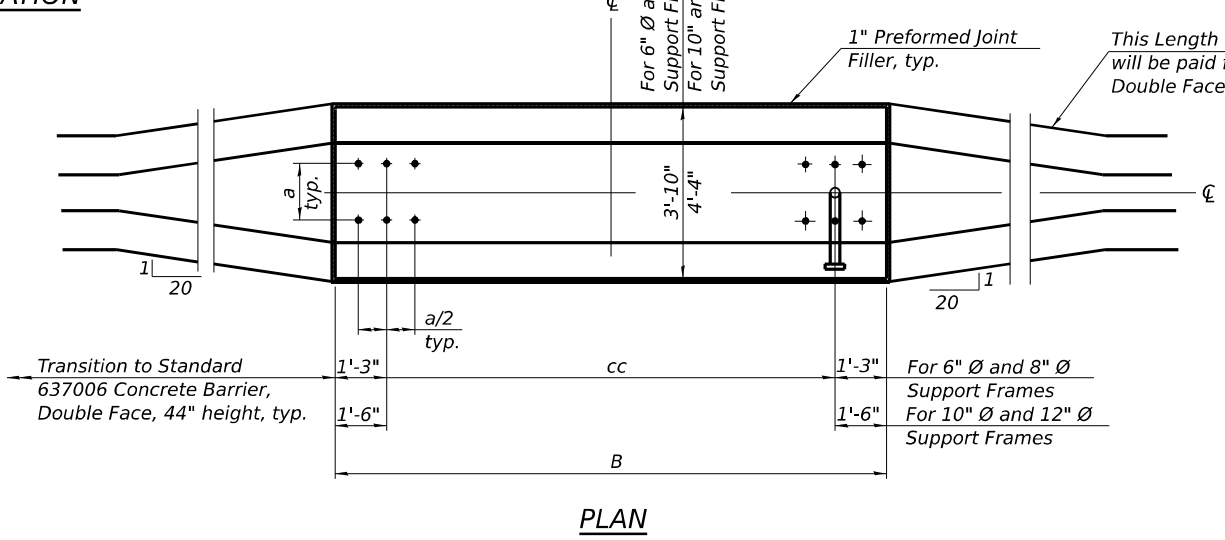


SECTION B-B



BAR v(E)

BAR u(E)



PLAN

Structure Number	Station	Left Foundation				Right Foundation				**Class SI Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	N	M	Elevation Top	Elevation Bottom	N	M	
1S099I080R127.2	404+81	573.35	562.68	4'-2"	28'-0"	-	-	-	-	28.1

Note:
 The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.0 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.
 During construction, if footing length or width or wall height change by more than 12", or if reinforcement is changed, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.
 A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Concrete Foundations.

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
t(E)	14	#5	*	—
u(E)	30	#4	16'-5"	□
v(E)	28	#5	4'-1"	□
v1(E)	28	#5	8'-8"	—
w(E)	39	#5	7'-9"	—

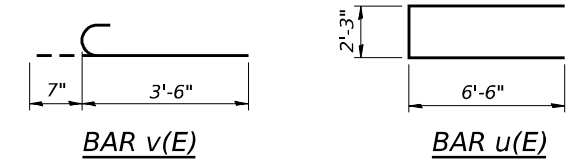
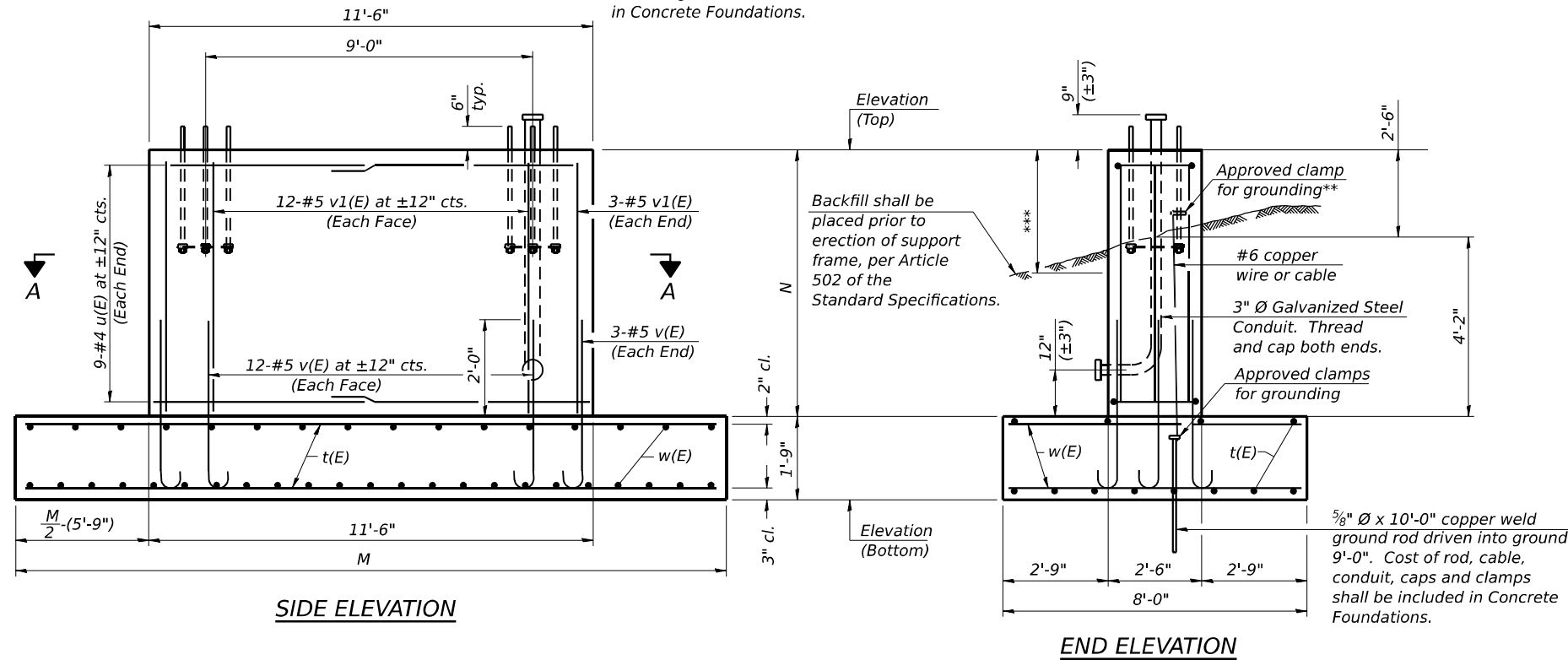
*Length of t(E) bar = (Dim. M) - 6"

Pipe Support Frames	cc	B	a	a/2
6" Ø	7'-0"	9'-6"	0'-11"	5 1/2"
8" Ø	7'-6"	10'-0"	1'-1 1/2"	6 3/4"
10" Ø	8'-3"	11'-3"	1'-3"	7 1/2"
12" Ø	9'-0"	12'-0"	1'-6"	9"

For anchor rod size and placement, see Support Frame Detail Sheet.

** Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

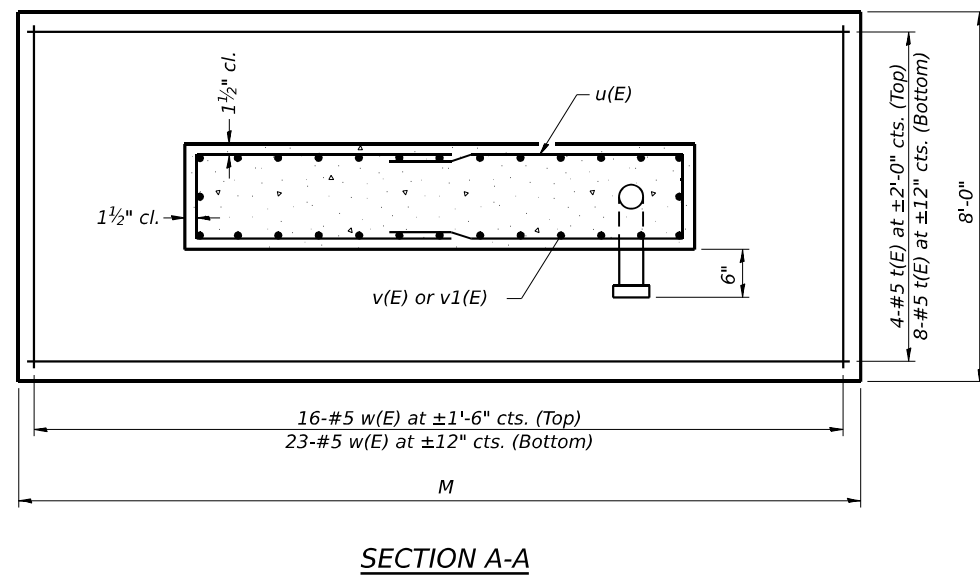
*** A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Concrete Foundations.



BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
t(E)	14	#5	*	—
u(E)	18	#4	15'-3"	—
v(E)	30	#5	4'-1"	U
v1(E)	30	#5	*	—
w(E)	39	#5	7'-9"	—

*Length of t(E) bar = (Dim. M) - 6"
v1(E) bar = (Dim. N) - 3"



Structure Number	Station	Left Foundation				Right Foundation				Class SI Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	N	M	Elevation Top	Elevation Bottom	N	M	
1S099I080R127.2	404+81	-	-	-	-	571.72	563.31	6'-8"	28'-0"	21.6

Note:
The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.0 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.
During construction, if footing length or width or wall height change by more than 12", or if reinforcement is changed, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

DETAILS FOR 12" Ø SUPPORT FRAME

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OS-F3 2-17-2017

	USER NAME = hahassan_	DESIGNED - HMH	REVISED -
	PLOT SCALE = 0.1667' / 1"	CHECKED - DTS	REVISED -
	PLOT DATE = 03/18/2022	DRAWN - HMH	REVISED -
		CHECKED - DTS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

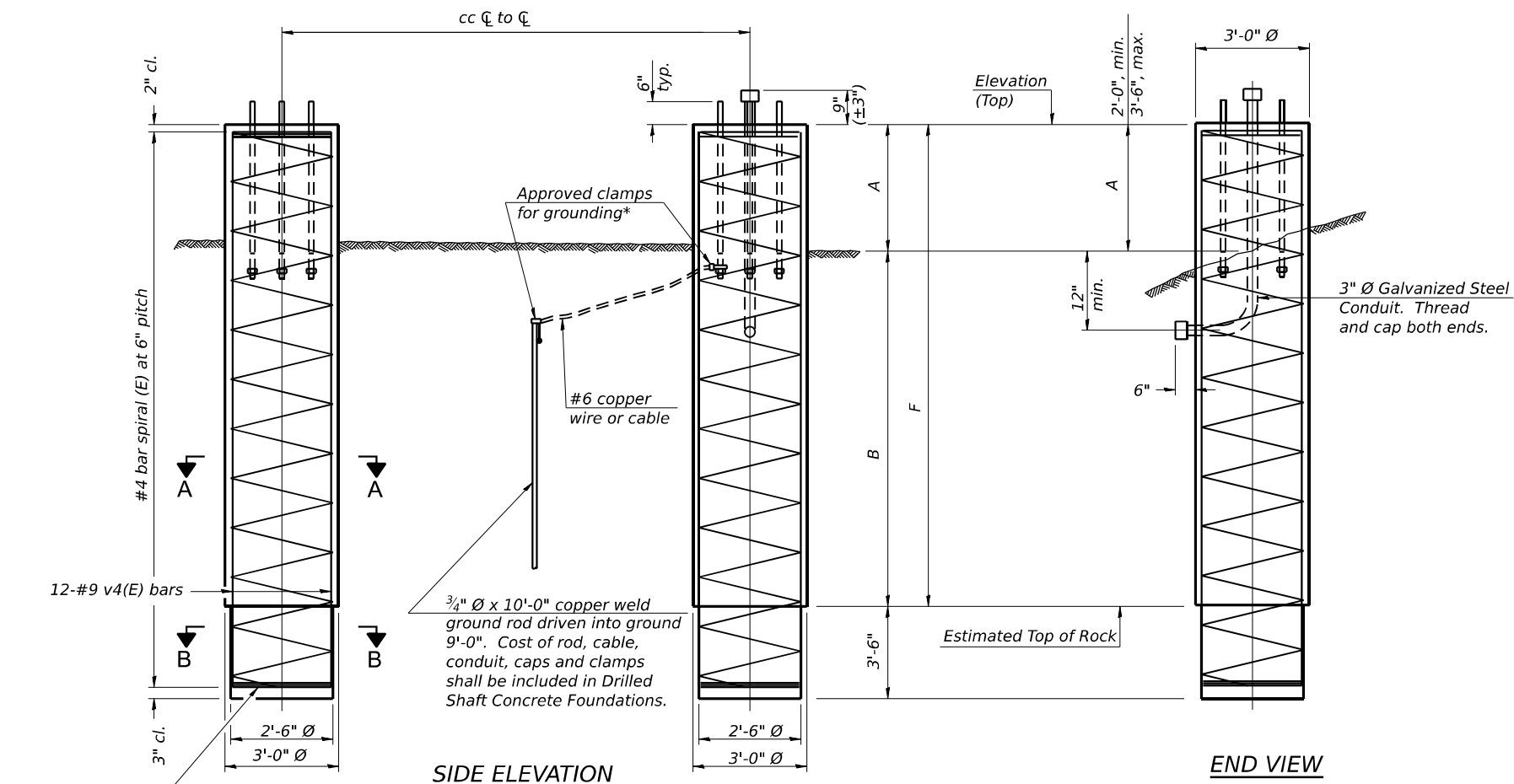
**OVERHEAD SIGN STRUCTURES
SPREAD FOOTING DETAILS**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	395
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R28	

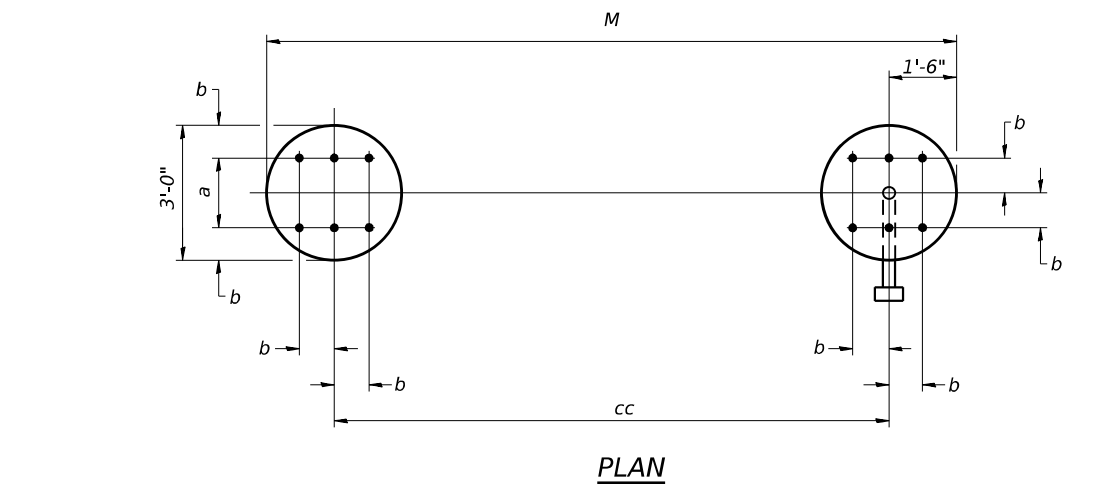
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BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	—
#4 bar spiral (E) - see Side Elevation				



3 hoops minimum top and bottom

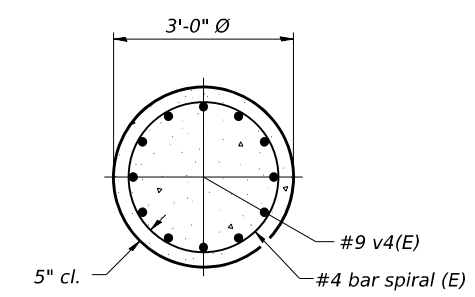


For anchor rod size and placement, see Support Frame Detail Sheet.

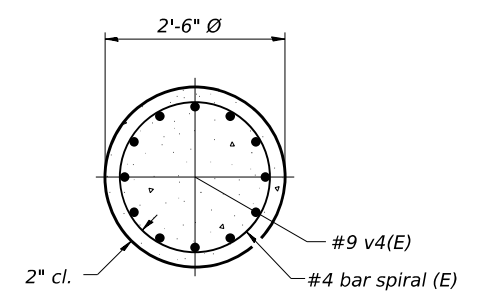
* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

Pipe Support Frames	cc	M	a	b
10" Ø	8'-3"	11'-3"	1'-3"	7 1/2"
12" Ø	9'-0"	12'-0"	1'-6"	9"

NOTES:
 The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.
 If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.
 No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.
 Concrete shall be placed monolithically, without construction joints.
 Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.
 A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.



SECTION A-A



SECTION B-B

DETAILS FOR 10" Ø OR 12" Ø SUPPORT FRAME TYPE I-A, II-A, OR III-A TRUSS

Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)	Drilled Shaft in Rock Concrete (Cu. Yds.)
		Elevation Top	Estimated Top of Rock	A	B	F	Elevation Top	Estimated Top of Rock	A	B	F		
1S099I080R125.6	325+60	-	-	-	-	-	570.25	564.60	2'-6"	3'-2"	5'-8"	3.0	1.3
1S099I080R126.8	385+60	-	-	-	-	-	556.00	539.00	2'-6"	14'-6"	17'-0"	8.9	1.3
1S099I080L127.2	407+00	569.33	558.00	2'-6"	8'-10"	11'-4"	-	-	-	-	-	5.9	1.3



USER NAME = hahassan_	DESIGNED - HMH	REVISED -
PLOT SCALE = 0.1667' / 1"	CHECKED - DTS	REVISED -
PLOT DATE = 03/18/2022	DRAWN - HMH	REVISED -
	CHECKED - DTS	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
 DRILLED SHAFT IN ROCK DETAILS**

SHEET 16 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	397
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



BORING LOG OSB-01

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WEI Job No.: 255-39-01

Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 571.07 ft
North: 1755243.20 ft
East: 1018367.03 ft
Station: 325+56.5
Offset: 26.9 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
570.6	6-inch thick, brown SILTY CLAY LOAM --TOPSOIL-- Stiff to hard, brown to gray SILTY CLAY LOAM to SILTY LOAM, trace gravel; damp --RDR 2--	0-7	1	7	4.50	12									
565.6	Gray GRAVEL: wet Very dense, gray SILTY LOAM, trace gravel; moist to wet --RDR 3--	7-11	2	4	1.64	12									
563.1	Very dense, gray DOLOSTONE fragments --Weathered BEDROCK--	11-15	3	17	NP	10									
558.1	Strong to very strong, light gray, poor to fair quality, DOLOSTONE; closely spaced, moderately weathered, horizontal, oblique, and vertical joints, with 0.05 - 0.2 inch opening, slightly rough walls, and <0.2 inch thick clay infill. --RUN 1: 13.0 to 17.0 feet-- --Recovery: 84%-- --RQD: 39%-- --Qu at 14.5 feet= 7,034 psi-- --RUN 2: 17.0 to 23.0 feet-- --Recovery: 93%-- --RQD: 51%--	15-23	4	50	NP	7									
548.1	Boring terminated at 23.00 ft	23-25	5	30	NP	8									

GENERAL NOTES

Begin Drilling: 11-03-2022 Complete Drilling: 11-03-2022
 Drilling Contractor: Wang Testing Services Drill Rig: 20D50T [80%]
 Driller: RH&TC Logger: N. Karahalios Checked by: C. Marin
 Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 6.00 ft
 At Completion of Drilling: 9.00 ft
 Time After Drilling: NA
 Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG OSB-02

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WEI Job No.: 255-39-01

Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 570.55 ft
North: 1755200.43 ft
East: 1018368.69 ft
Station: 325+57.5
Offset: 69.6 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
570.0	7-inch thick, black SILTY CLAY LOAM --TOPSOIL-- Stiff to hard, brown SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp --RDR 2--	0-4	1	6	4.50	P									
567.0	Very dense, brown Gravelly LOAM to CLAY LOAM; wet --RDR 3--	4-5	2	8	1.75	P									
564.6	Strong, light gray, very poor to fair rock mass quality, slightly weathered DOLOSTONE, occasionally vuggy, with few shale partings; closely spaced joints, moderately to highly weathered, horizontal, oblique, and vertical joints, with <0.05 inch opening, slightly rough walls, and 0 - 0.2 inch thick clay infill. --RUN 1: 6.0 to 11.0 feet-- --Recovery: 67%-- --RQD: 15%-- --Qu= 8,935 psi @ 10.5 ft-- --RUN 2: 11.0 to 16.0 feet-- --Recovery: 93%-- --RQD: 54%--	5-15	3												
554.6	Boring terminated at 16.00 ft	15-25	4												

GENERAL NOTES

Begin Drilling: 02-02-2023 Complete Drilling: 02-02-2023
 Drilling Contractor: Wang Testing Services Drill Rig: 20B57T [91%]
 Driller: KG&TC Logger: B. Miller Checked by: C. Marin
 Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 3.50 ft
 At Completion of Drilling: mud in the borehole
 Time After Drilling: NA
 Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

MODEL: Default
FILE NAME: pw://transystems-pw.bentley.com/transystems-pw1-hosted/Projects_2018/CH401/401180022/01-Stantec/CAD/ML-04_62R28/04-Sheets/04-Structures/Sign Structures/0162R28-sh-ohs-012.dgn



USER NAME = hahassan
PLOT SCALE = 32.0000' = 1 in.
PLOT DATE = 03/18/2022

DESIGNED - HMH
 CHECKED - DTS
 DRAWN - HMH
 CHECKED - DTS

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
BORING LOG

SHEET 17 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	398
CONTRACT NO. 62R28				

ILLINOIS FED. AID PROJECT



BORING LOG OSB-03

Page 1 of 1

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WEI Job No.: 255-39-01

Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 599.56 ft
North: 1755294.11 ft
East: 1019570.36 ft
Station: 337+60.2
Offset: 10.1 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample No. recovery	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample No. recovery	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	
	599.15	15-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Very stiff to hard, brown CLAY LOAM to SILTY CLAY LOAM, trace gravel; damp --FILL-- --RDR 2--		1		6 4 6	3.00	25		574.1	Dense to very dense, gray SILT to SILTY LOAM, trace gravel; damp --RDR 2--		11		11 18 17	NP	16	
				2		6 9 23	4.50	12					12		17 33 28	NP	8	
				3		7 12 12	3.00	14										
	591.6	Medium dense, brown and gray SILTY LOAM, trace gravel; damp --FILL-- --RDR 2--		4		6 10 14	NP	15		566.6	Strong, dark gray, poor to good quality, DOLOSTONE; very closely to closely spaced, slightly to moderately weathered, horizontal joints, with <0.05 inch opening, rough walls, and <0.2 inch thick clay infill. --RUN 1: 33.0 to 39.5 feet-- --Recovery: 94%-- --RQD: 48%-- --Q _v at 35.0 feet= 9,449 psi --RUN 2: 39.5 to 43.5 feet-- --Recovery: 93%-- --RQD: 77%--		13					
				5		5 7 9	NR											
				6		6 5 6	2.46	19										
	584.1	Hard, brown SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp --RDR 2--		7		9 12 19	7.79	18					14					
				8		5 11 15	7.79	20		556.1	Boring terminated at 43.50 ft							
	579.1	Medium dense, brown, fine SAND, trace gravel; saturated --RDR 2--		9		6 10 16	NP	20										
	576.6	Stiff, gray SILTY CLAY, trace gravel; damp --RDR 2-3--		10		4 7 8	1.48	16										

GENERAL NOTES

Begin Drilling **11-03-2022** Complete Drilling **11-03-2022**
Drilling Contractor **Wang Testing Services** Drill Rig **20D50T [80%]**
Driller **RH&TC** Logger **N. Karahalios** Checked by **C. Marin**
Drilling Method **3.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **20.50 ft**
At Completion of Drilling **mud in the borehole**
Time After Drilling **NA**
Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG OSB-04

Page 1 of 1

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WEI Job No.: 255-39-01

Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 601.80 ft
North: 1755232.08 ft
East: 1019559.05 ft
Station: 337+44.8
Offset: 70.8 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample No. recovery	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample No. recovery	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		25-inch thick ASPHALT --PAVEMENT--								570.1	Very dense, gray SILT to SILTY LOAM, trace gravel; wet --RDR 2--		11		4 5 6	1.23	14
	599.7	Very stiff to hard, brown CLAY LOAM to SILTY CLAY LOAM, trace gravel; damp --FILL-- --RDR 2-3--		1		4 4 3	NA	7					12		8 12 16	4.50	15
				2		4 5 7	5.17	20									
				3		3 7 8	3.28	17									
	593.1	Medium dense, brown GRAVEL, some silty clay loam; damp --FILL-- --RDR 3--		4		6 6 8	NP	10		565.8	Strong, light gray, fair quality, DOLOSTONE; closely spaced, moderately weathered, horizontal, oblique, and vertical joints, with <0.05 inch opening, slightly rough walls, and >0.2 inch thick clay infill. --RUN 1: 36.0 to 46.0 feet-- --Recovery: 99%-- --RQD: 53%--		13		11 50/3	NP	20
	591.3	Hard, brown CLAY LOAM to SILTY CLAY LOAM, trace gravel; damp --FILL-- --RDR 2-3--		5		4 11 13	4.50	17									
				6		5 8 10	4.35	14									
	585.3	Very stiff to hard, brown SILTY CLAY, trace gravel; damp --RDR 2--		7		4 5 9	2.46	24									
				8		9 15 26	10.17	18									
	581.3	Brown SILT; damp								555.8	Boring terminated at 46.00 ft						
	580.7	Hard, brown and gray CLAY to SILTY CLAY, trace gravel; damp --RDR 3--		9		8 14 18	9.18	20									
	578.8	Hard, gray SILTY CLAY LOAM, trace gravel; moist --RDR 3--		10		5 3 6	1.15	14									

GENERAL NOTES

Begin Drilling **11-09-2022** Complete Drilling **11-09-2022**
Drilling Contractor **Wang Testing Services** Drill Rig **20D50T [80%]**
Driller **RH&TC** Logger **N. Karahalios** Checked by **C. Marin**
Drilling Method **3.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **DRY**
At Completion of Drilling **mud in the borehole**
Time After Drilling **NA**
Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

MODEL: Default
FILE NAME: p:\w\transystems-pw\benley.com\transyscorp-pw\1-hosted\Documents\Projects_2018\CH401\401180022\01-Stantec\CAD\ML-04_62R28\04-Sheets\04-Structures\Sign Structures\0162R28-shr-ohs-013.dgn
WANGENG: 2555901.GPJ WANGENG.GDT 2/13/23
WANGENG: 2555901.GPJ WANGENG.GDT 2/13/23



USER NAME = hahassan_	DESIGNED - HMH	REVISED -
CHECKED - DTS	REVISOR -	
PLOT SCALE = 32.0000' = 1 in.	DRAWN - HMH	REVISED -
PLOT DATE = 03/18/2022	CHECKED - DTS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
BORING LOG

SHEET 18 OF 23 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	399
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



BORING LOG OSB-05

Page 1 of 1

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WEI Job No.: 255-39-01

Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 605.58 ft
North: 1755443.97 ft
East: 1021708.12 ft
Station: 359+05.4
Offset: 9.8 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
605.0	7-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Stiff to hard, brown SILTY CLAY LOAM to CLAY LOAM, trace gravel; damp	0-1	1	5 3 6	3.12 B	28	576.1	--RDR 2-3--	0-1	11	4 5 8	1.39 B	21
	--FILL-- --RDR 2--	1-5	2	3 6 6	2.30 B	14		--Weathered BEDROCK-- --hard slow drilling-- --rig chatter--	1-5	12	3 5 4	1.39 B	19
		5-10	3	6 14 17	2.46 B	17	572.6	Strong, dark gray, poor quality, DOLOSTONE; closely spaced, moderately weathered, horizontal, oblique, and vertical joints, with <0.05 inch opening, slightly rough walls, and >0.2 inch thick clay infill. --RUN 1: 33.0 to 43.0 feet-- --Recovery: 99%-- --RQD: 27%-- --Q _v at 41.0 feet= 7,589 psi	5-10	13			
		10-15	4	8 9 15	3.00 P	15				10-15	13		
		15-20	5	4 10 12	2.13 S	13				15-20	13		
		20-25	6	2 7 11	3.85 B	12				20-25	13		
565.1	Saturated SAND	25-30	7	6 6 7	4.50 P	23	562.6		Boring terminated at 43.00 ft	25-30	13		
564.6	Hard, black SILTY CLAY, trace gravel; damp --Buried TOPSOIL-- --organic content= 4.6%--	30-35	8	14 6 7	1.00 P	16				30-35	13		
563.6	Stiff to hard, brown and gray SILTY CLAY, trace gravel; damp	35-40	9	7 9 12	4.43 B	30				35-40	13		
		40-45	10	6 9 11	4.67 B	23			40-45	13			

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-06-2022	Complete Drilling	11-06-2022	White Drilling	▽	21.00 ft	
Drilling Contractor	Wang Testing Services	Drill Rig	20D50T [80%]	At Completion of Drilling	▽	32.00 ft	
Driller	RH&TC	Logger	N. Karahalios	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	▽	NA			
Drilling Method	3.25" ID HSA; boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			



BORING LOG OSB-06

Page 1 of 1

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WEI Job No.: 255-39-01

Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 606.30 ft
North: 1755380.93 ft
East: 1021708.20 ft
Station: 359+02.8
Offset: 72.4 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
604.4	23-inch thick ASPHALT --PAVEMENT--	0-1					580.0	Medium dense, brown SILT; wet --RDR 2--	0-1	11	6 8 8	NP	16
	Medium stiff to hard, brown SILTY CLAY LOAM to CLAY LOAM, trace gravel; damp	1-5	1	9 14 9	4.50 P	13	578.3	Stiff, brown SILTY CLAY, trace gravel; moist	1-5	12	4 6 4	1.64 B	19
	--FILL-- --RDR 2--	5-10	2	6 7 8	3.50 P	15	576.5	--Weathered BEDROCK-- --RDR 3--	5-10	13	5 0 4		
		10-15	3	4 5 8	2.46 S	20	575.3	Strong, light gray, very poor quality, DOLOSTONE; closely spaced, moderately weathered, horizontal, oblique, and vertical joints, with <0.05 inch opening, slightly rough walls, and >0.2 inch thick clay infill. --RUN 1: 31.0 to 41.0 feet-- --Recovery: 96%-- --RQD: 12%--	10-15	13			
		15-20	4	4 9 10	3.12 S	22				15-20	13		
		20-25	5	5 6 6	0.98 S	29				20-25	13		
		25-30	6	7 11 12	3.44 S	14				25-30	13		
		30-35	7	10 8 5	2.00 P	10				30-35	13		
		35-40	8	7 6 6	2.13 B	11				35-40	13		
		40-45	9	2 2 7	1.89 B	21				40-45	13		
585.8	--wet spoon recovery-- --wet sand lenses--	45-50	10	6 9 11	2.87 S	26	585.3	Boring terminated at 41.00 ft	45-50	13			
	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp --RDR 3--	50-55							50-55				

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-09-2022	Complete Drilling	11-09-2022	White Drilling	▽	21.00 ft	
Drilling Contractor	Wang Testing Services	Drill Rig	20D50T [80%]	At Completion of Drilling	▽	mud in the borehole	
Driller	RH&TC	Logger	N. Karahalios	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	▽	NA			
Drilling Method	3.25" ID HSA; boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

MODEL: Default
FILE NAME: pw://transystems-pw.bentley.com/transystems-pw1-hosted/Projects/2018/CH401/401180022/01-Structures/04-Sheets/04-Structures/Sign Structures/01-62R28-shr-014.dgn
WANGENG 2553901.GPJ WANGENG.GDT 2/13/23



USER NAME	= hahassan	DESIGNED	- HMH	REVISED	-
CHECKED	- DTS	REVISIONS	-		
PLOT SCALE	= 32.0000' = 1 in.	DRAWN	- HMH	REVISED	-
PLOT DATE	= 03/18/2022	CHECKED	- DTS	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
BORING LOG
SHEET 19 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	400
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				