



BORING LOG OSB-07

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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: 556.33 ft
North: 1755595.16 ft
East: 1023813.00 ft
Station: 380+13.2
Offset: 77.0 LT

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 (%)
554.7	19.5-inch thick ASPHALT --PAVEMENT--							527.3	--Recovery: 91%-- --RQD: 10%--			10			
	Stiff to very stiff, brown SILTY CLAY LOAM to CLAY LOAM, trace to little gravel; damp --FILL-- --RDR 2-3--	1	X	1	8 18 13	3.00 P	4		Boring terminated at 29.00 ft	30					
		2	X	2	5 6 10	2.46 B	31			35					
		3	X	3	4 5 8	2.00 P	33			40					
		4	O	4	3 8 8	NR				45					
		5	X	5	6 20 10	1.50 P	12			50					
543.3	Stiff, black CLAY to CLAY LOAM, trace to some gravel; damp --RDR 2-3-15--	6	X	6	3 4 6	1.61 B	26								
	--trace organic matter--	7	X	7	50/4	1.50 P	37								
539.8	Very dense, gray Gravelly SANDY LOAM; damp --Weathered BEDROCK-- --RDR 4--	8	X	8	50/4	NP	4								
537.3	Strong, light gray, very poor quality, DOLOSTONE; closely spaced, 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: 19.0 to 24.0 feet-- --Recovery: 87%-- --RQD: 16%-- --RUN 2: 24.0 to 29.0 feet--	9		9											

GENERAL NOTES

Begin Drilling **11-08-2022** Complete Drilling **11-08-2022**
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.



BORING LOG OSB-08

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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: 556.29 ft
North: 1755494.82 ft
East: 1023807.76 ft
Station: 380+04.7
Offset: 23.4 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 (%)
555.95	19.5-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Stiff to hard, brown SILTY LOAM to CLAY LOAM, trace to little gravel; damp --FILL-- --RDR 2--							525.3	--RUN 1: 21.0 to 25.0 feet-- --Recovery: 72%-- --RQD: 0%-- --RUN 2: 25.0 to 31.0 feet-- --Recovery: 61%-- --RQD: 21%-- --Q _u at 27.0 feet= 13,516 psi			10			
		1	X	1	8 12 8	4.50 P	11		Boring terminated at 31.00 ft	30					
		2	X	2	9 8 13	2.50 P	12			35					
		3	X	3	7 12 14	3.00 P	11			40					
		4	X	4	7 14 13	3.50 P	13			45					
		5	X	5	6 15 14	1.00 P	10			50					
543.3	Stiff, black SILTY LOAM, trace gravel, trace organic matter; damp --Buried TOPSOIL-- --organic content= 6.7%-- --RDR 2--	6	X	6	2 3 6	1.39 S	26								
539.8	Very stiff, brown SILTY CLAY LOAM to SILTY LOAM, little to some gravel and rock fragments; damp to moist --Weathered BEDROCK-- --RDR 4--	7	X	7	4 5 8	1.23 S	36								
537.3	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.	8	X	8	12 50/2	2.00 P	20								
		9		9											

GENERAL NOTES

Begin Drilling **11-06-2022** Complete Drilling **11-06-2022**
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 **13.00 ft**
At Completion of Drilling **16.00 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.

MODEL: Default
FILE NAME: pw://transsystems-pw.bentley.com/transsystems-pw1-hosted/Projects_2018/CH401/401180022/01-Stantec/CAD/ML-04_62R28/04-Sheets/04-Structures/Sign Structures/0162R28-shr-ohs-01.5.dgn
WANGENG 2553901.GPJ WANGENG.GDT 2/13/23



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
BORING LOG

SHEET 20 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	401
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



BORING LOG OSB-09

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

Datum: NAVD 88
Elevation: 554.72 ft
North: 1755501.96 ft
East: 1024366.95 ft
Station: 385+65.2
Offset: 32.5 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 (%)
	553.6	12-inch thick ASPHALT --PAVEMENT--								524.7	and vertical joints, with 0.05-0.2 inch opening, slightly rough walls, and <0.2 inch thick clay infill.						
		Medium dense, brown Gravelly LOAM to SANDY LOAM; dry --RDR 2--	5	X	1	4 4 8	NP	4			--RUN 1: 21 to 22.0 feet-- --Recovery: 92%-- --RQD: 0%--	4					
			10	X	2	8 8 11	NP	6			--RUN 2: 22 to 24.0 feet-- --Recovery: 64%-- --RQD: 0%--						
	549.2	Stiff to very stiff, brown SILTY CLAY LOAM, trace gravel; damp --FILL-- --RDR 2-3--	10	X	3	13 12 20	1.50 P	16			--RUN 3: 24 to 25.0 feet-- --Recovery: 92%-- --RQD: 0%--						
			20	X	4	8 14 17	2.00 P	24			--@25 ft Shaly DOLOSTONE-- --RUN 4: 25 to 30.0 feet-- --Recovery: 63%-- --RQD: 25%--						
	541.7	Stiff, black SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp --Buried TOPSOIL-- --organic content= 8.7%--	15	X	6	3 3 4	1.50 P	25									
	540.7	Dense to very dense, gray Gravelly LOAM; damp --Weathered BEDROCK-- --RDR 3--	20	X	7	3 4 27	NP	13									
			25	X	8	50/6"	NP	5									
	533.7	Strong, light gray and brown, very poor quality vuggy DOLOSTONE to weak, dark gray and greenish gray Shaly DOLOSTONE; very closely to closely spaced, highly weathered, horizontal, oblique,	25	X	1												
				X	2												
				X	3												

GENERAL NOTES

Begin Drilling **11-10-2022** Complete Drilling **11-10-2022**
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.



BORING LOG OSB-10

Page 1 of 1

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

Datum: NAVD 88
Elevation: 554.35 ft
North: 1755468.93 ft
East: 1024368.49 ft
Station: 385+64.6
Offset: 66.3 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 (%)
	553.4	12-inch thick ASPHALT --PAVEMENT--								528.4	--RUN 3: 23.0 to 26.0 feet-- --Recovery: 28%-- --RQD: 0%--						
		Medium dense, tan Gravelly LOAM; dry to wet --FILL-- --RDR 2--	5	X	1	12 7 3	NP	8			Boring terminated at 26.00 ft						
			10	X	2	3 6 9	NP	12									
	548.9	Very stiff to hard, brown and black CLAY LOAM, trace to some gravel; damp to wet --FILL-- --RDR 2--	10	X	3	15 13 14	4.50 P	9									
			20	X	4	5 7 5	3.94 S	15									
			30	X	5	11 10 14	2.50 P	12									
	541.4	Medium stiff, black SILTY CLAY, some gravel; damp --Buried TOPSOIL-- --RDR 2-15	35	X	6	2 2 3	0.50 P	22									
	539.9	Very dense, gray Gravelly LOAM; moist --Weathered BEDROCK-- --RDR 2-3--	40	X	7		NP	17									
	537.4	Medium strong to strong, light gray, very poor quality, DOLOSTONE; Very Closely spaced, highly weathered to completely weathered, horizontal, oblique, and vertical joints, with 0.05 - 0.2 inch opening, slightly rough walls, and 0 - 0.2 inch thick clay infill.	45	X	8												
			50	X	9												
				X	10												
				X	10												

GENERAL NOTES

Begin Drilling **01-17-2023** Complete Drilling **01-17-2023**
Drilling Contractor **Wang Testing Services** Drill Rig **17B57T [91%]**
Driller **AG&EH** Logger **B. Miller** Checked by **C. Marin**
Drilling Method **3.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **5.00 ft**
At Completion of Drilling **6.00 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.

MODEL: Default
FILE NAME: pw://transsystems-pw.bentley.com/transsyscorp-pw1-hosted/Document/Projects_2018/CH401/401180022/01-Structures/Sign Structures/04-Sheets/04-Sheets/04-Sheets/016.dgn
WANGENG 255901.GPJ WANGENG.GDT 2/13/23



USER NAME = hahassan_	DESIGNED - HMH	REVISED -
PLOT SCALE = 32.000' = 1"	CHECKED - DTS	REVISED -
PLOT DATE = 03/18/2022	DRAWN - HMH	REVISED -
	CHECKED - DTS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
BORING LOG

SHEET 21 OF 23 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	402
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



BORING LOG OSB-11

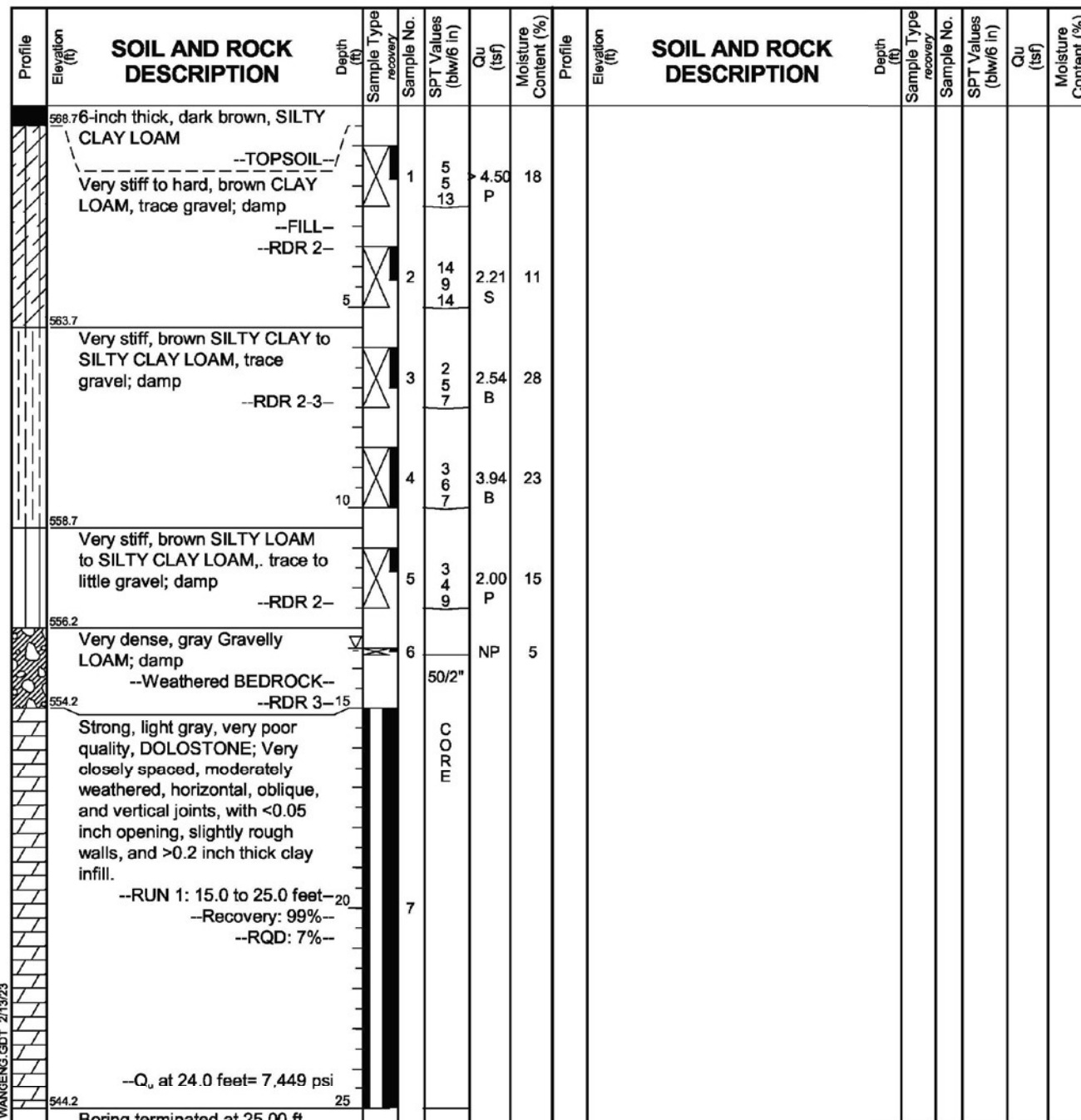
Page 1 of 1

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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: 569.16 ft
North: 1755652.72 ft
East: 1026272.87 ft
Station: 404+77.6
Offset: 19.8 LT



GENERAL NOTES

Begin Drilling **11-07-2022** Complete Drilling **11-07-2022**
 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 ∇ **13.50 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-12

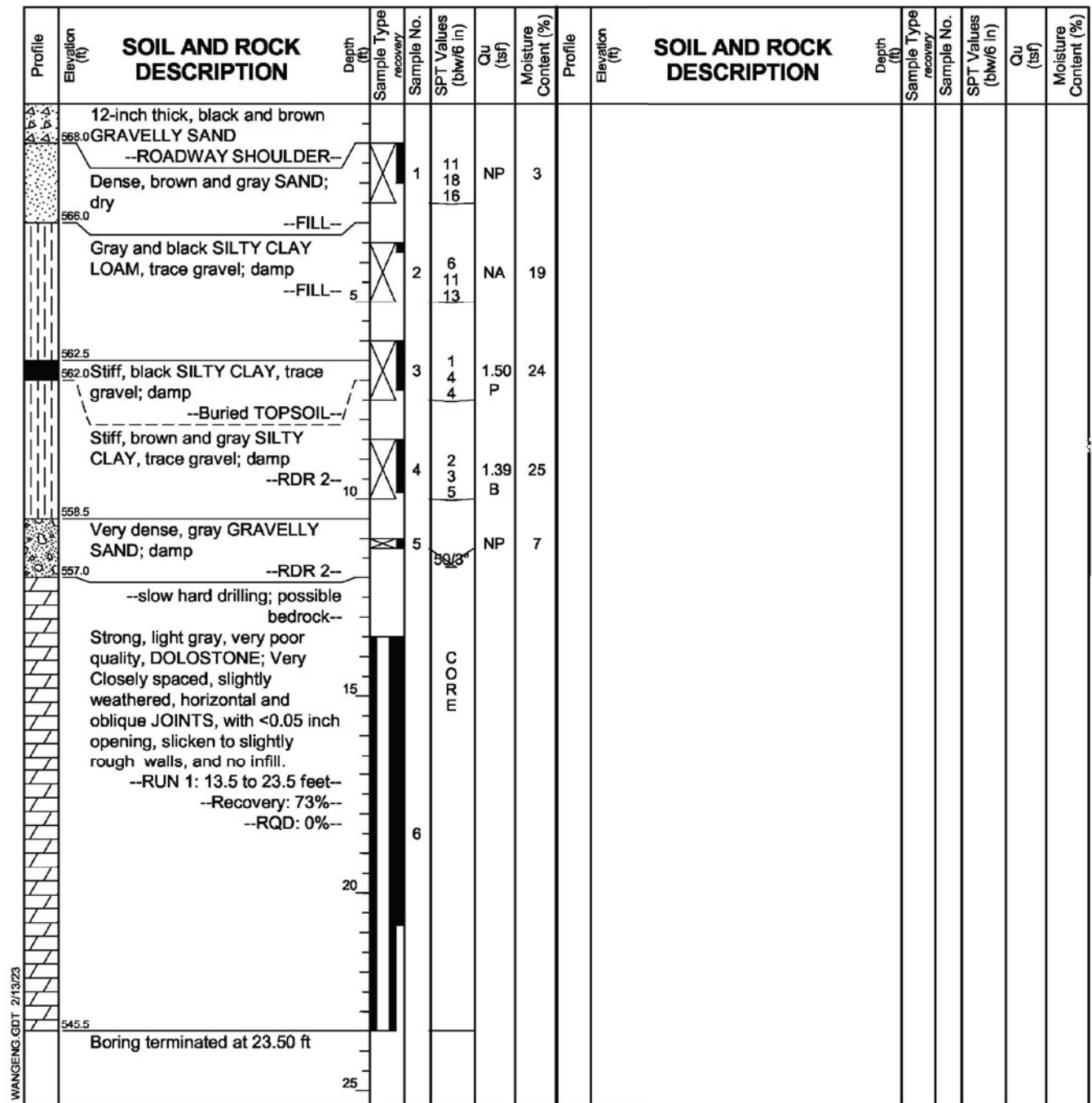
Page 1 of 1

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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: 569.01 ft
North: 1755560.24 ft
East: 1026287.79 ft
Station: 404+78.64
Offset: 74.0 RT



GENERAL NOTES

Begin Drilling **11-29-2022** Complete Drilling **11-29-2022**
 Drilling Contractor **Wang Testing Services** Drill Rig **21GeoA[96%]**
 Driller **NC&DC** Logger **M. Rojo** Checked by **C. Marin**
 Drilling Method **.2.25" ID HSA to 13.5 ft; mud rotary thereafter; 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: pw://transsystems-pw.bentley.com/transsystems-pw1-hosted/Projects/2018/CH401/401180022/01-Stantec/CAD/ML-04_62R28/04-Sheets/04-Structures/Sign Structures/0162R28-shr-obs-017.dgn



USER NAME = hahassan_
PLOT SCALE = 32.0000' L 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 22 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	403
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



BORING LOG OSB-13

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

Datum: NAVD 88
Elevation: 571.74 ft
North: 1755692.22 ft
East: 1026496.13 ft
Station: 407+05.1
Offset: 21.3 LT

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 (%)
	571.35	1.5-inch thick, brown SILTY CLAY LOAM --TOPSOIL-- Stiff to very stiff, brown to dark brown CLAY LOAM to SILTY CLAY LOAM, trace gravel; damp	0		1	5 6 10	2.62 B	15						11	20 27 50/5*	6.48 S	17
		--FILL-- --RDR 2--	5		2	6 7 8	3.77 B	14				30		12	20 50 50/4*	4.67 S	14
			10		3	5 6 9	1.97 B	24						13	35 50/3*	4.26 S	16
	561.2	--rig chatter-- Medium dense to dense, brown LOAM to SANDY LOAM, little to some gravel; damp to saturated --RDR 3--	15		5	9 10 19	4.00 P	12		535.0	Very dense, gray Gravelly SANDY LOAM; damp --RDR 2-3--	35		14	50/4*	NP	9
	556.2	Very stiff to hard, gray SILTY LOAM to SILTY CLAY LOAM, trace gravel; damp --RDR 2-3--	20		6	12 24 28	1.00 P	10				40		15	50/6*	4.67 S	19
			25		7	12 20 24	5.33 S	12		530.0	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel; wet --possible cobbles-- --RDR 2--	45		8	10 19 27	3.36 S	14
					9	14 25 48	5.66 S	15				50		10	21 34 50/4*	4.35 S	15

GENERAL NOTES

Begin Drilling: 11-07-2022 Complete Drilling: 11-07-2022
 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: 13.00 ft
 At Completion of Drilling: 16.00 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-14

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

Datum: NAVD 88
Elevation: 571.70 ft
North: 1755733.42 ft
East: 1026481.41 ft
Station: 406+97.9
Offset: 64.5 LT

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 (%)
	570.9	9-inch thick, brown SILTY CLAY LOAM; dry --TOPSOIL-- Very stiff to hard, brown SILTY CLAY LOAM to CLAY LOAM, trace to little gravel; dry	0		1	3 4 9	3.50 P	23									
		--FILL-- --RDR 2--	5		2	2 8 6	5.33 B	14									
	565.2	Stiff, brown SILTY CLAY, trace to little gravel; damp	10		3	2 4 14	1.15 B	27									
	563.7	Stiff to hard, brown and orange SILTY CLAY LOAM to SILTY LOAM, some gravel; wet --cobbles and chips--	15		4	3 7 9	1.50 P	12									
	559.7	Very dense, orange gray GRAVEL; dry --dolostone chips--	20		5	5 28 50/2*	4.50 P	12									
	557.7	Strong, light brownish gray to light gray, very poor quality, DOLOSTONE; Very closely spaced, highly weathered, horizontal, oblique, and vertical JOINTS, with <0.05 inch opening, slightly rough walls, and <0.2 inch thick clay infill. --RUN 1: 14.0 to 16.5 feet-- --Recovery: 93%-- --RQD: 0%-- --RUN 2: 16.5 to 24.0 feet-- --Recovery: 79%-- --RQD: 0%--	25		6	50/3*	NP	10									
			30		7		R 1										
			35		8		R 2										
	547.7	Boring terminated at 24.00 ft	40														

GENERAL NOTES

Begin Drilling: 12-20-2022 Complete Drilling: 12-20-2022
 Drilling Contractor: Wang Testing Services Drill Rig: 21GeoA[96%]
 Driller: NC&DZ Logger: B. Miller Checked by: C. Marin
 Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 11.00 ft
 At Completion of Drilling: 11.00 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

MODEL: Default FILE NAME: pw://transystems-pw.bentley.com/transystems-pw1-hosted/Documents/Projects_2018/CH401/401180022/01-Stantec/CAD/ML-04_62R28/04-Sheets/04-Structures/Sign Structures/Sign Structures/0162R28-sh-ohs-018.dgn



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
BORING LOG

SHEET 23 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	404
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

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. Cost included in Drilled Shaft Concrete Foundation.

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

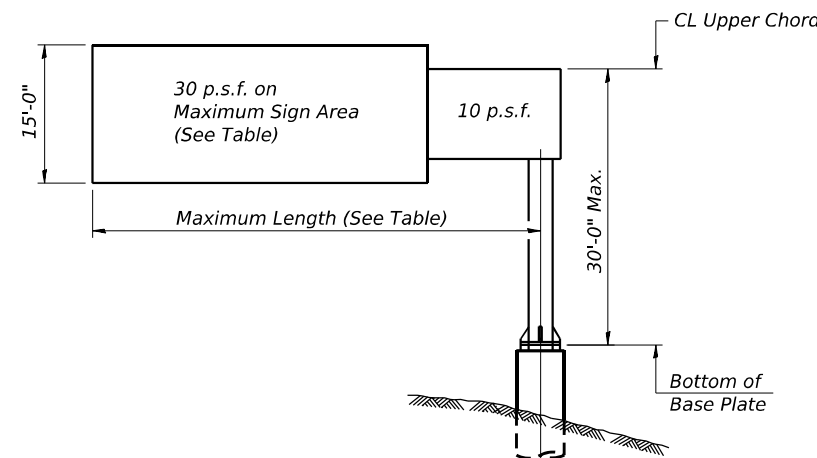
FOUNDATIONS: The contract unit price for Drilled Shaft Concrete Foundations and Drilled Shaft in Rock shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE II-C-A	Foot	28
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	8.4
REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	Each	2
REMOVAL OF CONCRETE FOUNDATION	Each	2

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	Ds	Total Sign Area
1C0991080L126.2	354+50	II-C-A	27'-6"	612.86	13'-6"	12'-6"	194 Sq. Ft.

Truss Type	Maximum Sign Area	Maximum Length
I-C-A	170 Sq. Ft.	25 Ft.
II-C-A	340 Sq. Ft.	30 Ft.
III-C-A	400 Sq. Ft.	40 Ft.



DESIGN WIND LOADING DIAGRAM

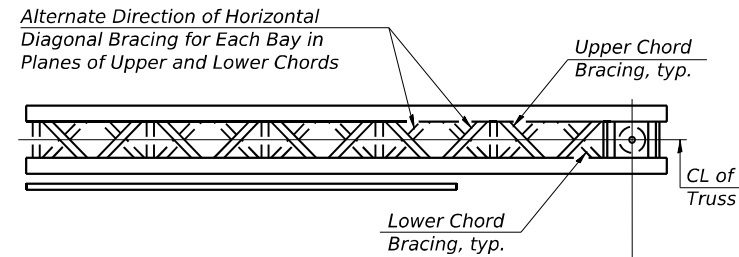
Parameters shown are basis for I.D.O.T. Standards. Installations not within dimensional limits shown require special analysis for all components.

Note:

Trusses 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 trusses.

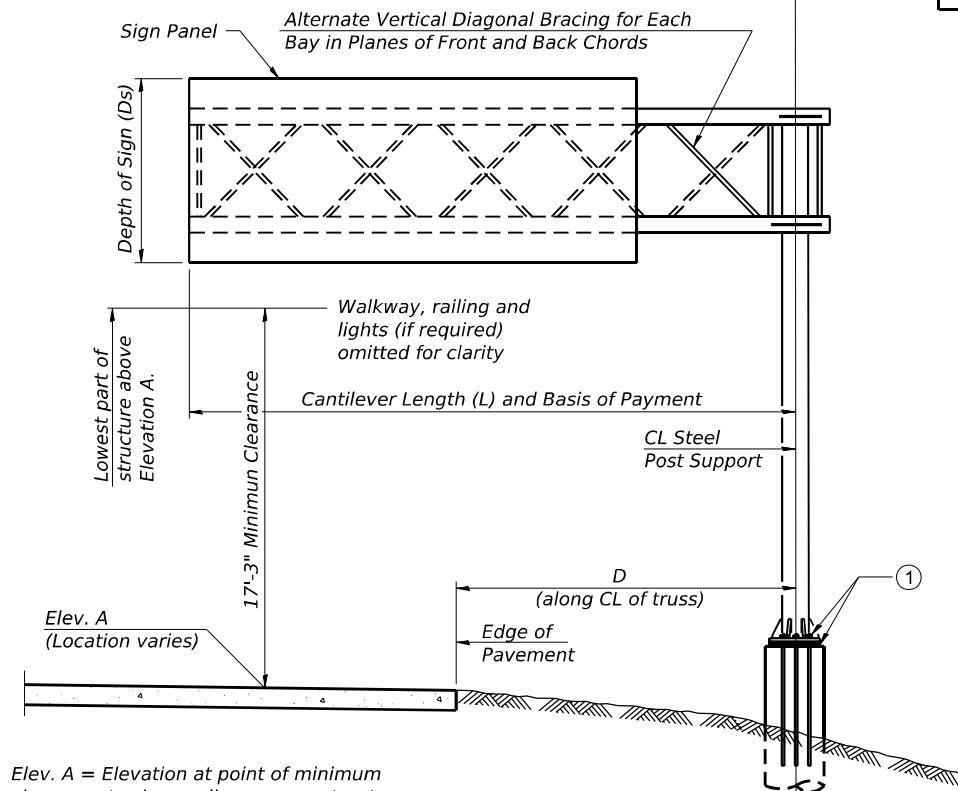
- ① After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum torque of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel banding.

* 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.



TYPICAL PLAN

(Walkway not shown)



TYPICAL ELEVATION

Looking in Direction of Traffic

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

Sign support structures may be subject to damaging vibrations and oscillations when sign panels are not in place during erection or maintenance of the structure. To avoid these vibrations and oscillations, consideration should be given to attaching temporary blank sign panels to the structure.

OSC-A-1 2-17-2017



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

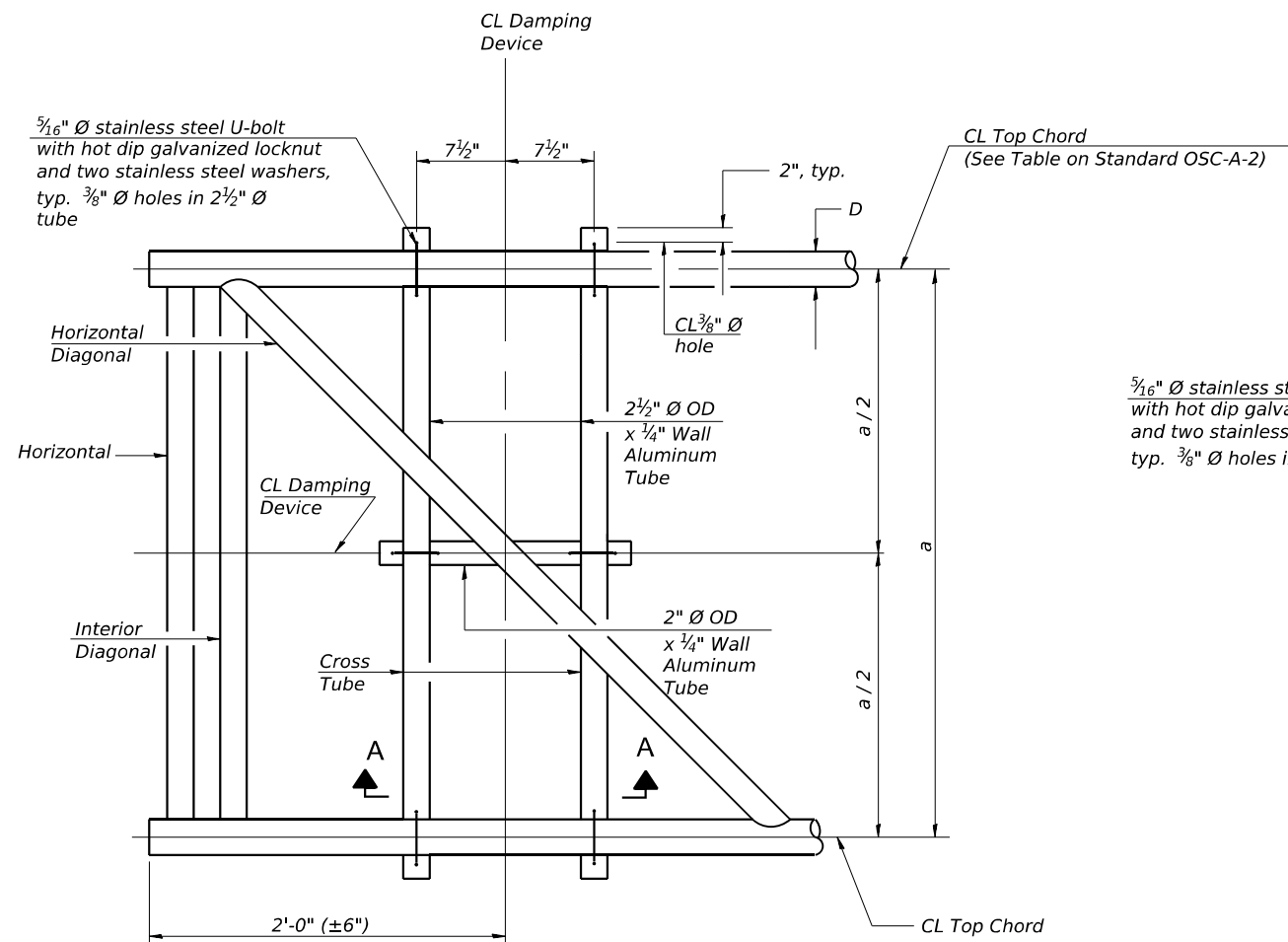
CANTILEVER SIGN STRUCTURES – GENERAL PLAN & ELEVATION
ALUMINUM TRUSS & STEEL POST

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

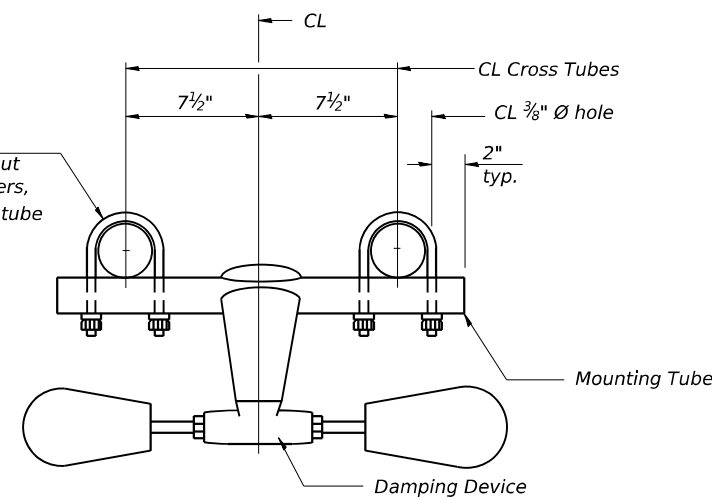
SHEET 1 OF 9 SHEETS

CONTRACT NO. 62R28

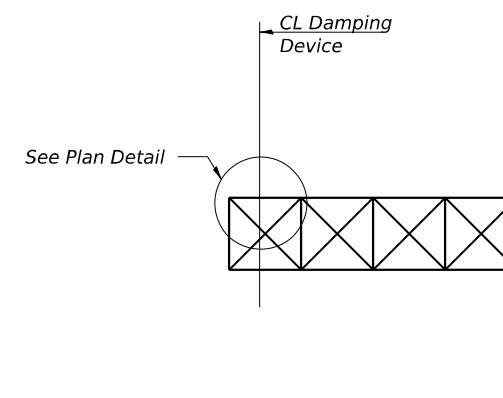
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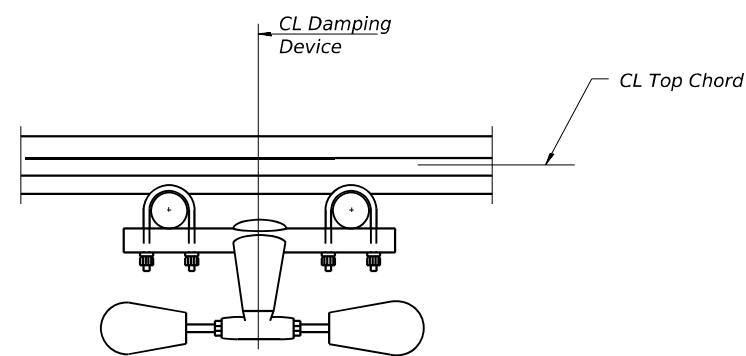
PLAN DETAIL



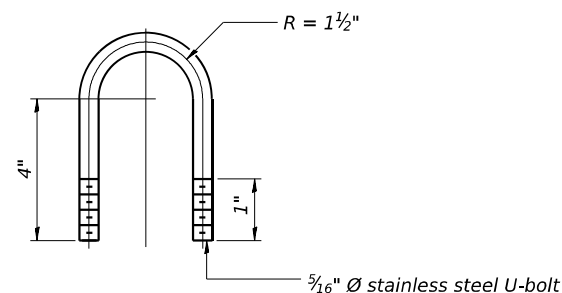
TRUSS DAMPING DEVICE CONNECTION DETAIL



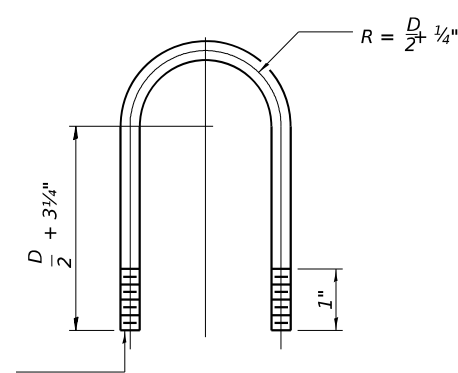
ELEVATION
 Aluminum Cantilever Sign Structure



SECTION A-A



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
 (Typical)



TOP CHORD TO CROSS TUBE U-BOLT DETAIL
 (Typical)

GENERAL NOTES

- Damper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29" minimum between ends of weights)
- Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6

OSC-A-D

2-17-2017



USER NAME = hahassan_	DESIGNED - HMH	REVISED -
PLOT SCALE = 32.0000_1/in.	CHECKED - DTS	REVISED -
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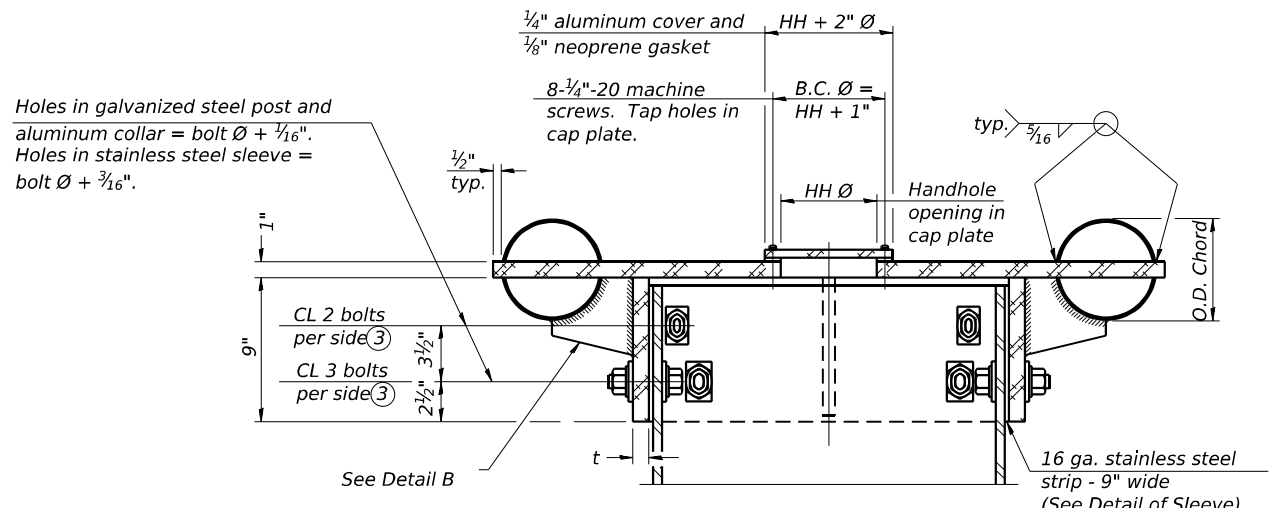
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURE
 DAMPING DEVICE

SHEET 3 OF 9 SHEETS

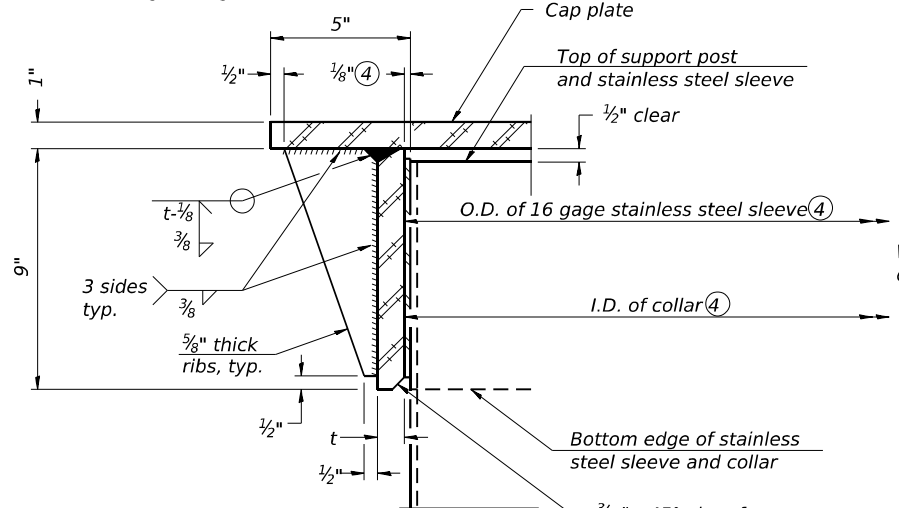
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	407
			CONTRACT NO. 62R28	
ILLINOIS FED. AID PROJECT				

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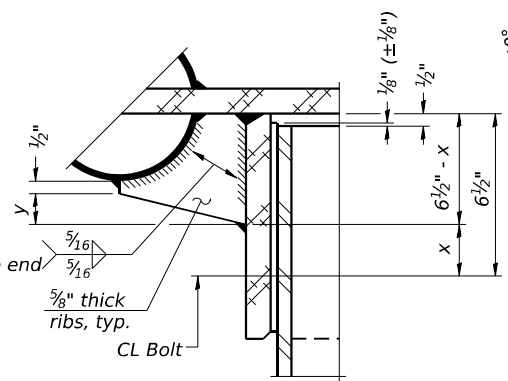


④ Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus 1/8" (±1/16"). Maximum gap between post and collar at any location equals 1/8" before tightening bolts.

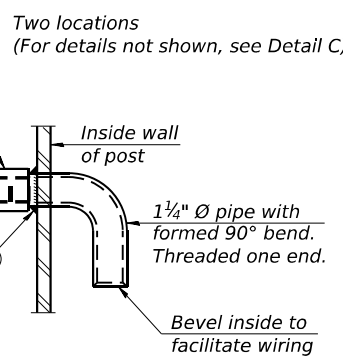
SECTION B-B
 Bolts, washers (including contoured washers), and locknuts shall be stainless steel.



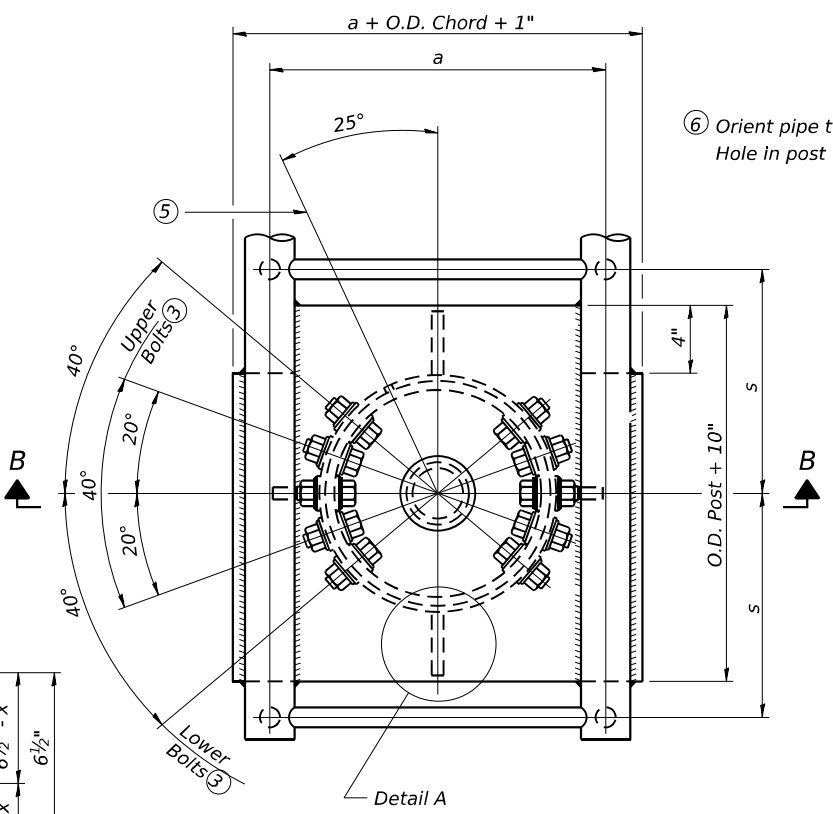
DETAIL A
 (Two locations)



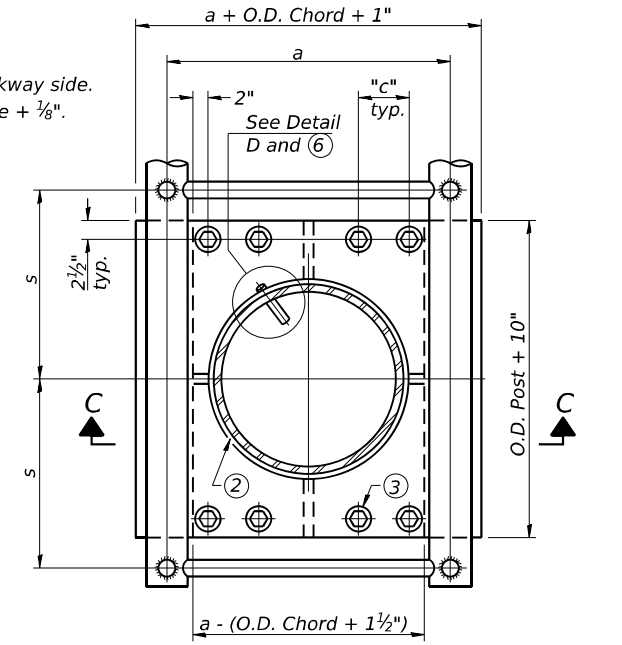
DETAIL B



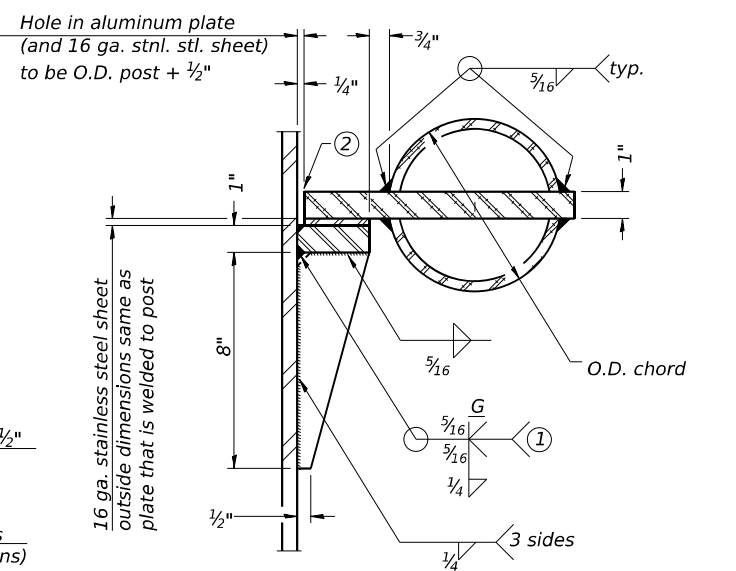
DETAIL D



PLAN VIEW - TOP OF COLUMN
 ⑤ Optional full penetration weld in collar. (Two locations maximum....(180° apart)....X-ray or UT 100%)



SECTION THRU POST ABOVE LOWER CHORDS



DETAIL C

CONTOURED WASHERS

Bolt Size	Contoured Washers	
	Hole Dia.	B
7/8"	1"	2 1/2"
1"	1 1/8"	3"
1 1/4"	1 3/8"	3 3/4"

DETAIL OF STAINLESS STEEL SLEEVE

Weld to post after galvanizing. (Prepare post surface to insure tight, uniform fit and allow welding.) Welds to be 1 1/2" long at 6" cts. along top edge and at 1/4" opening.

Truss Type	Post Size	Upper & Lower Connection Bolt Diameter ③	Lower Juncture Bolt Spacing Dimension "c" ③	Opening in Cap Plate "HH"	Collar Thickness (t)	Side Ribs	
						x	y
I-C-A	16" Ø (83#1)	7/8"	3 1/4"	8"	5/8"	1 3/4"	2 1/4"
II-C-A	24" Ø (125#1)	1"	3 1/2"	12"	7/8"	2"	1 1/4"
III-C-A (35' max.)	24" Ø (125#1)	1 1/4"	3 1/2"	12"	7/8"	2"	1"
III-C-A (>35' to 40')	24" Ø (171#1)	1 1/4"	3 1/2"	12"	7/8"	2"	1"

- ① Grind top if required to fully seat aluminum plate and stainless steel sheet.
- ② After tightening lower connection bolts, fill gap with non-hardening, silicone caulk suitable for exterior exposure and acceptable to the Engineer. Cost is included in Overhead Sign Structure Cantilever.
- ③ Upper and lower connection bolts in collar and bolts at lower chord connection shall be high strength with matching locknuts. Connection bolts shall have 2 stainless steel flat washers each.

OSC-A-3

2-17-2017



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	CHECKED - DTS	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

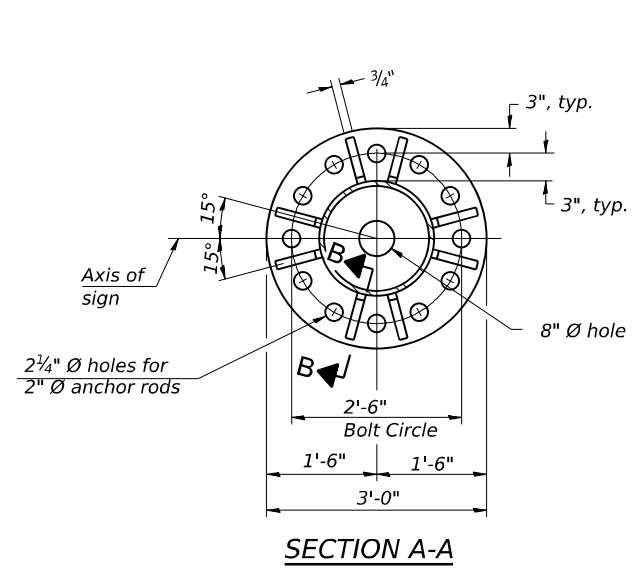
CANTILEVER SIGN STRUCTURES - JUNCTURE DETAILS
 ALUMINUM TRUSS & STEEL POST

SHEET 4 OF 9 SHEETS

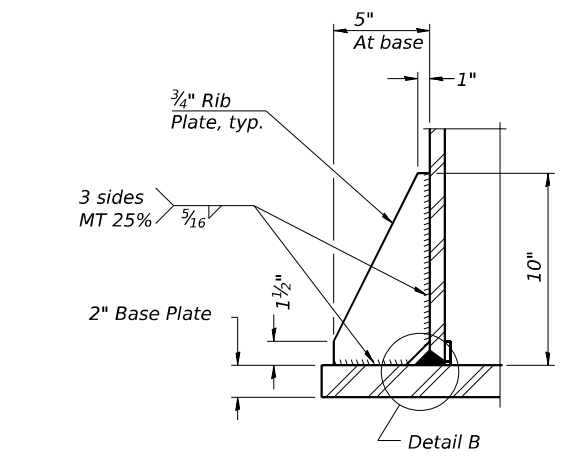
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	408
CONTRACT NO. 62R28				

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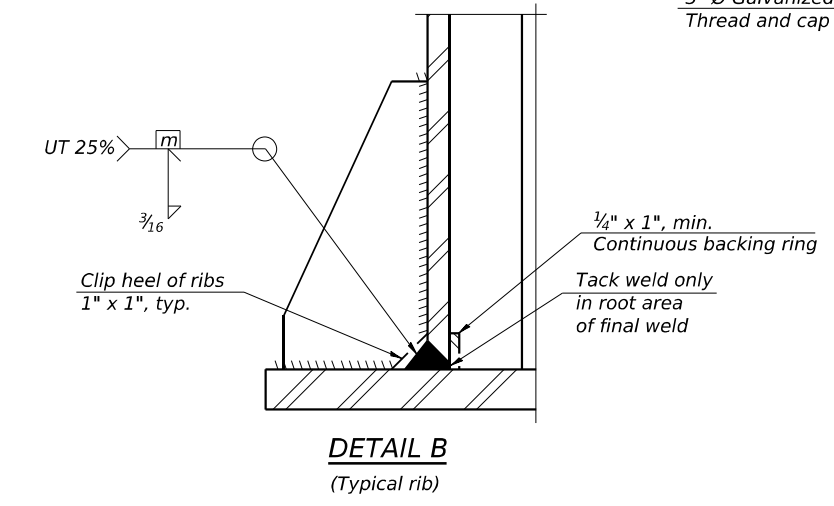
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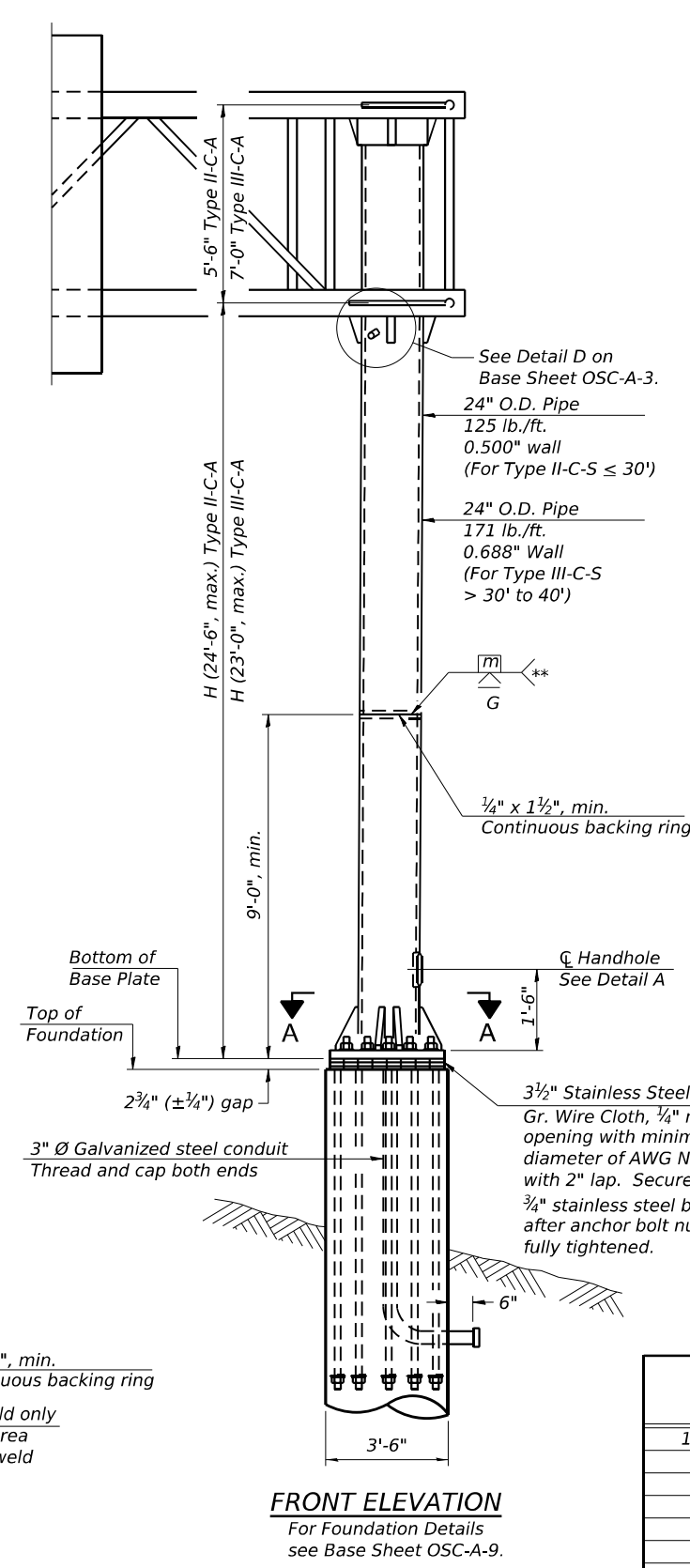
SECTION A-A



SECTION B-B

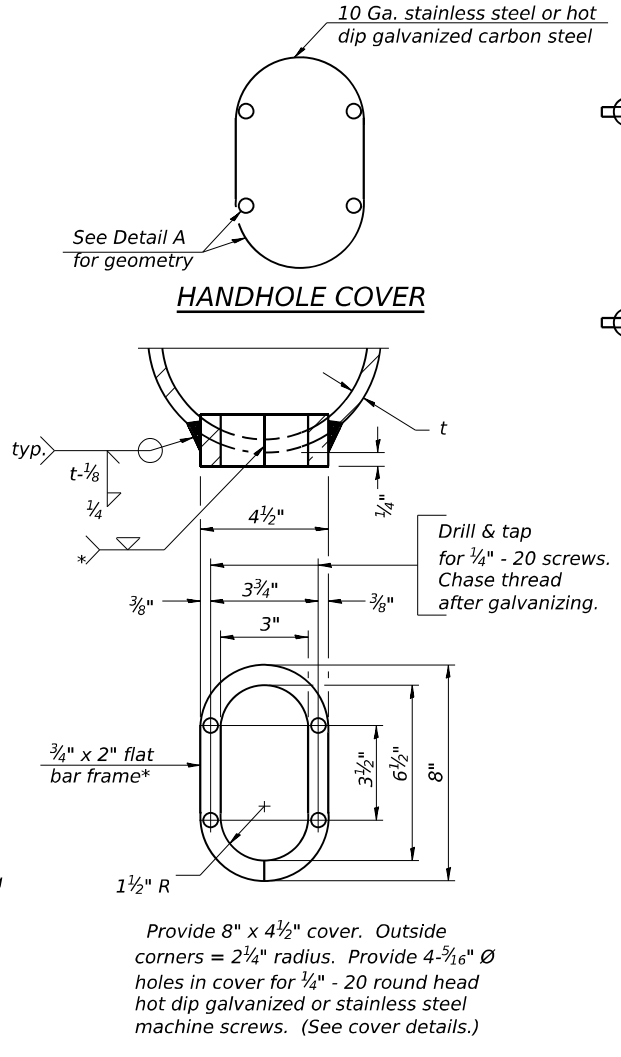


DETAIL B
(Typical rib)



FRONT ELEVATION

For Foundation Details see Base Sheet OSC-A-9.



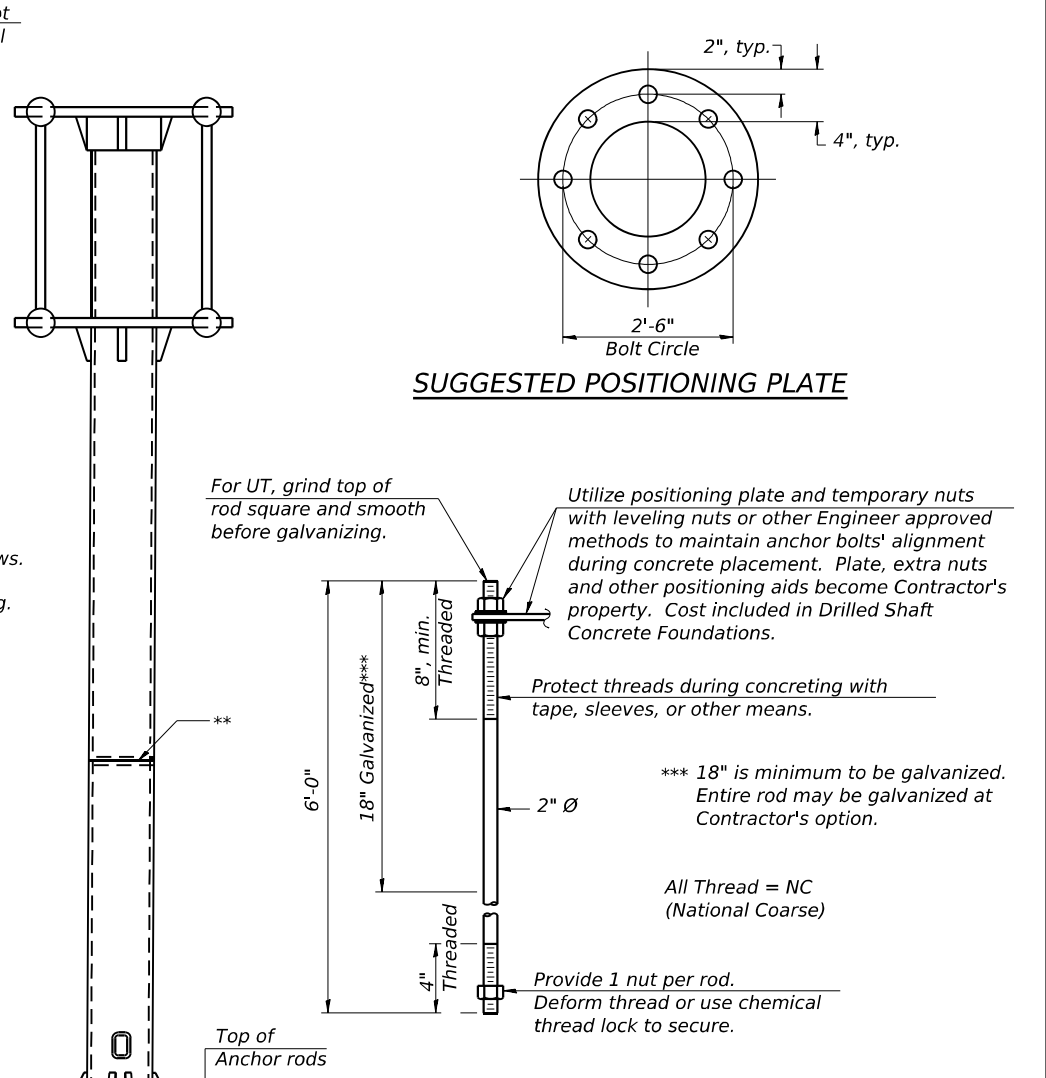
DETAIL A

* Bent bars may be butt welded top and bottom or bottom only. 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 in or less.

** Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Station	H
1C099I080L126.2	354+50	23'-6"

Note: "H" based on 15'-0" or actual sign height, whichever is greater.



ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize the upper 18" (minimum***) and associated AASHTO M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide a nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III inspector, qualified in accord with ANSI guidelines, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

*** 18" is minimum to be galvanized. Entire rod may be galvanized at Contractor's option.

All Thread = NC (National Coarse)

Provide 1 nut per rod. Deform thread or use chemical thread lock to secure.

SIDE ELEVATION

OSC-A-5 2-17-2017



USER NAME = hahassan_	DESIGNED - HMH	REVISED -
PLOT SCALE = 32.0000' = 1 in.	CHECKED - DTS	REVISED -
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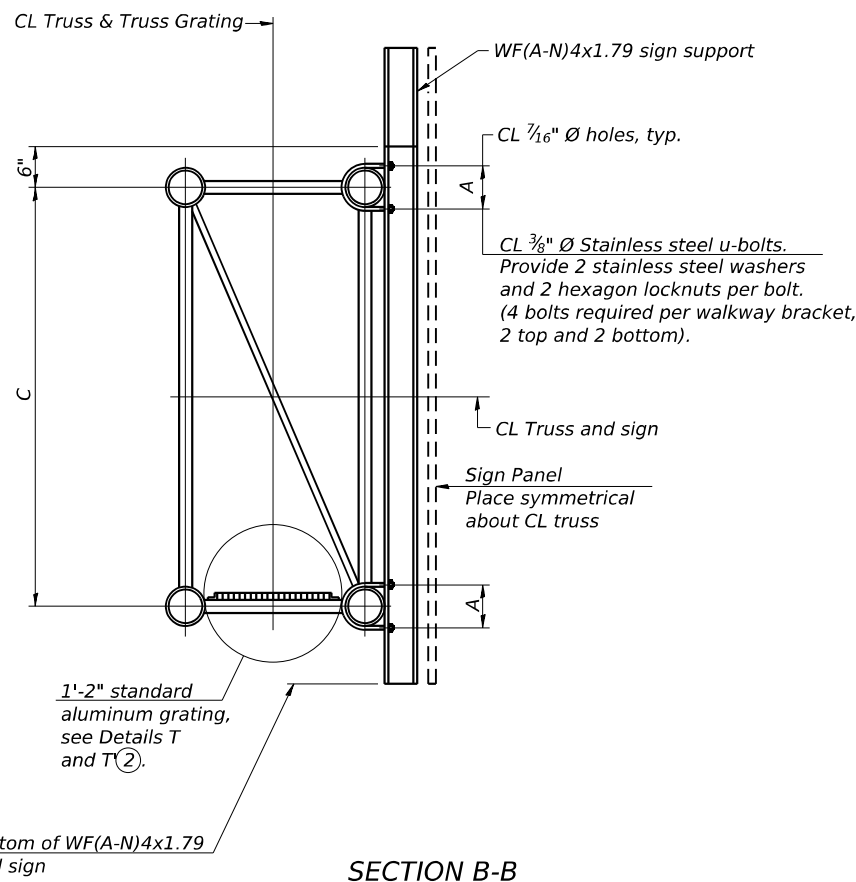
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CANTILEVER SIGN STRUCTURES - TYPE II-C-A & III-C-A
TRUSS SUPPORT POST - ALUMINUM TRUSS & STEEL POST**

SHEET 5 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	409
CONTRACT NO. 62R28				

ILLINOIS FED. AID PROJECT



SECTION B-B

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars (MBB) shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B211 Alloy 6061-T6.

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

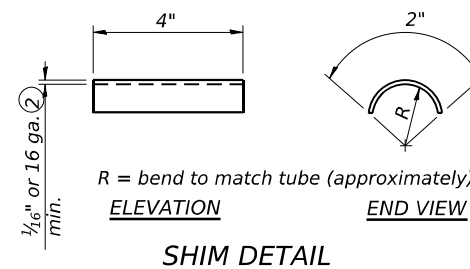
OR

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.

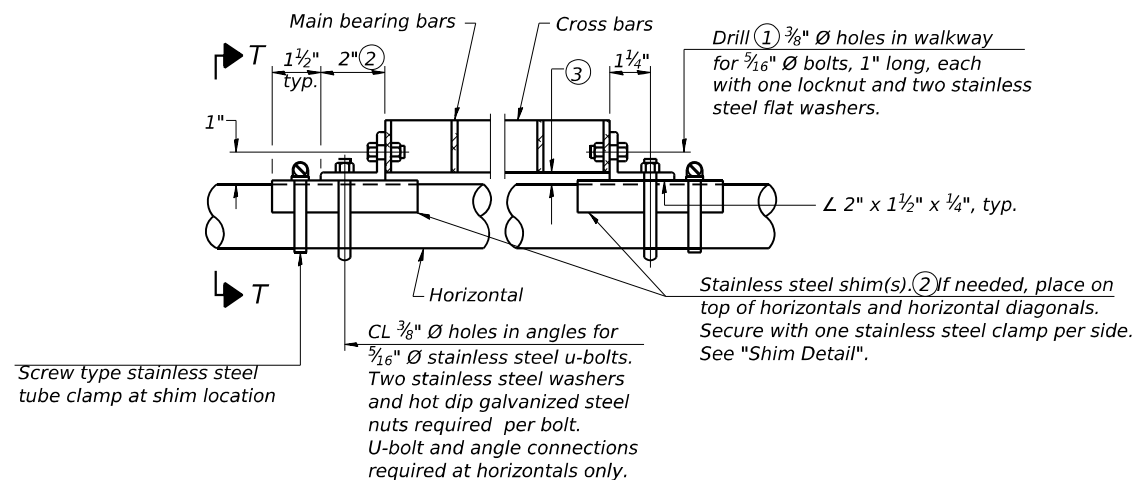
Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	C
1C0991080L126.2	354+50	6 7/8"	5'-6"



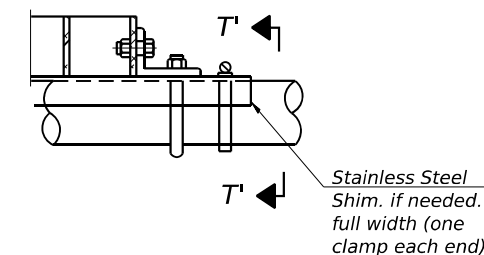
SHIM DETAIL

- Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- 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.
- Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.



DETAIL T

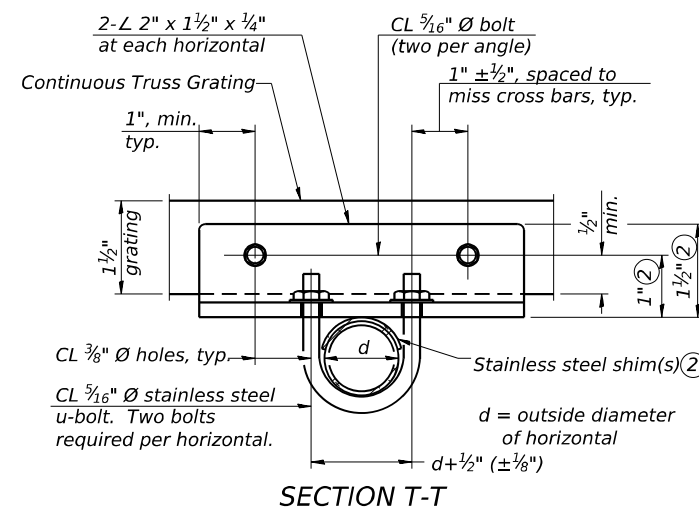
(Continuous Truss grating)



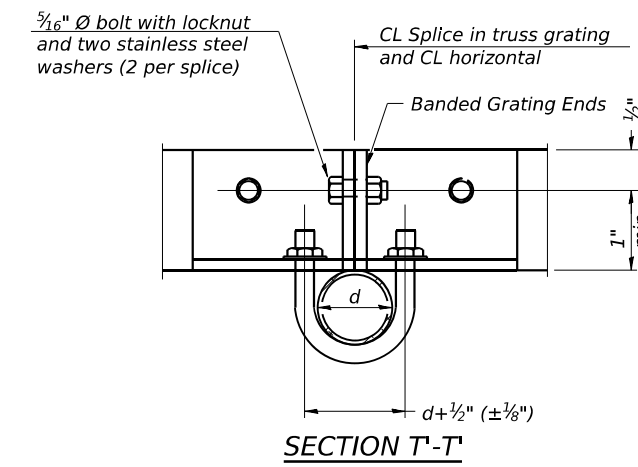
DETAIL T'

(Truss grating splice)

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



SECTION T-T



SECTION T'-T'

OSC-A-7-NW

4-1-2020



USER NAME =	DESIGNED - HMH
PLOT SCALE =	CHECKED - DTS
PLOT DATE =	DRAWN - HMH
	CHECKED - DTS

REVISOR	REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

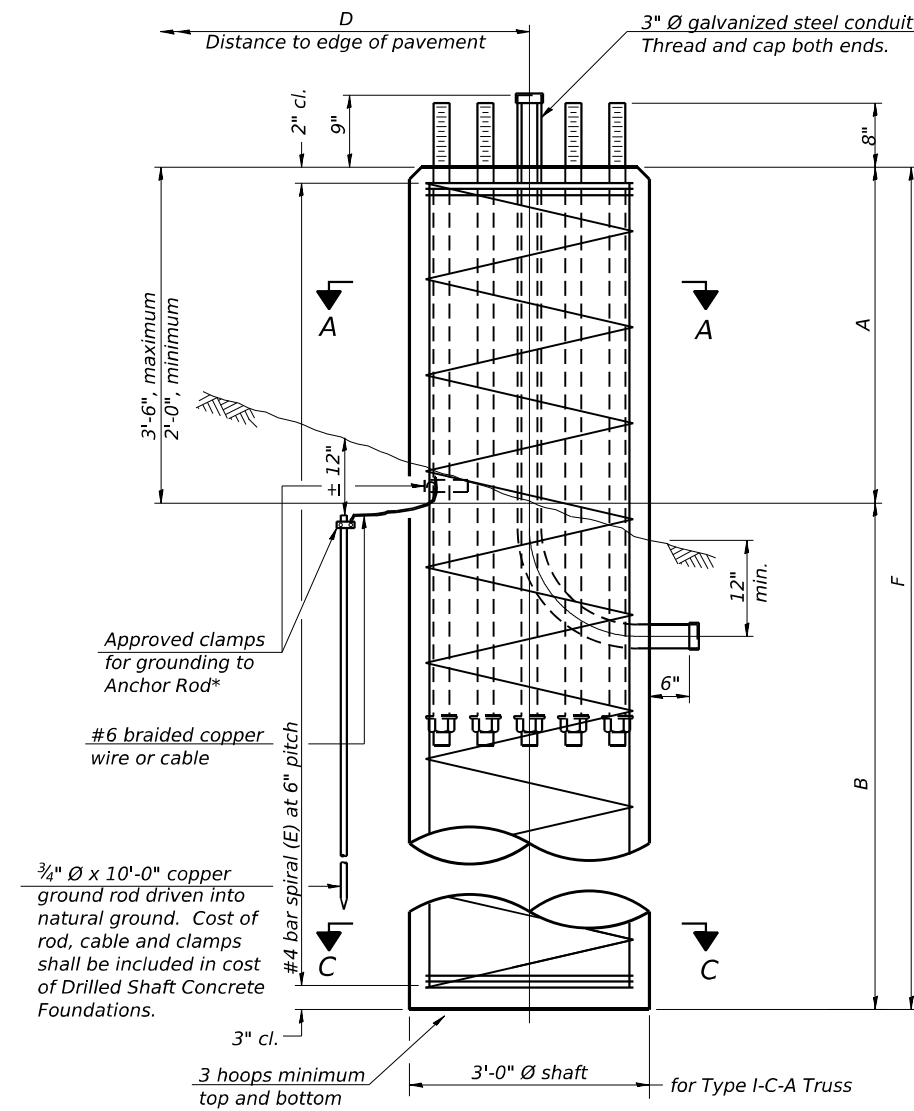
CANTILEVER SIGN STRUCTURES - WALKWAY DETAILS
ALUMINUM TRUSS & STEEL POST

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	411
CONTRACT NO. 62R28				

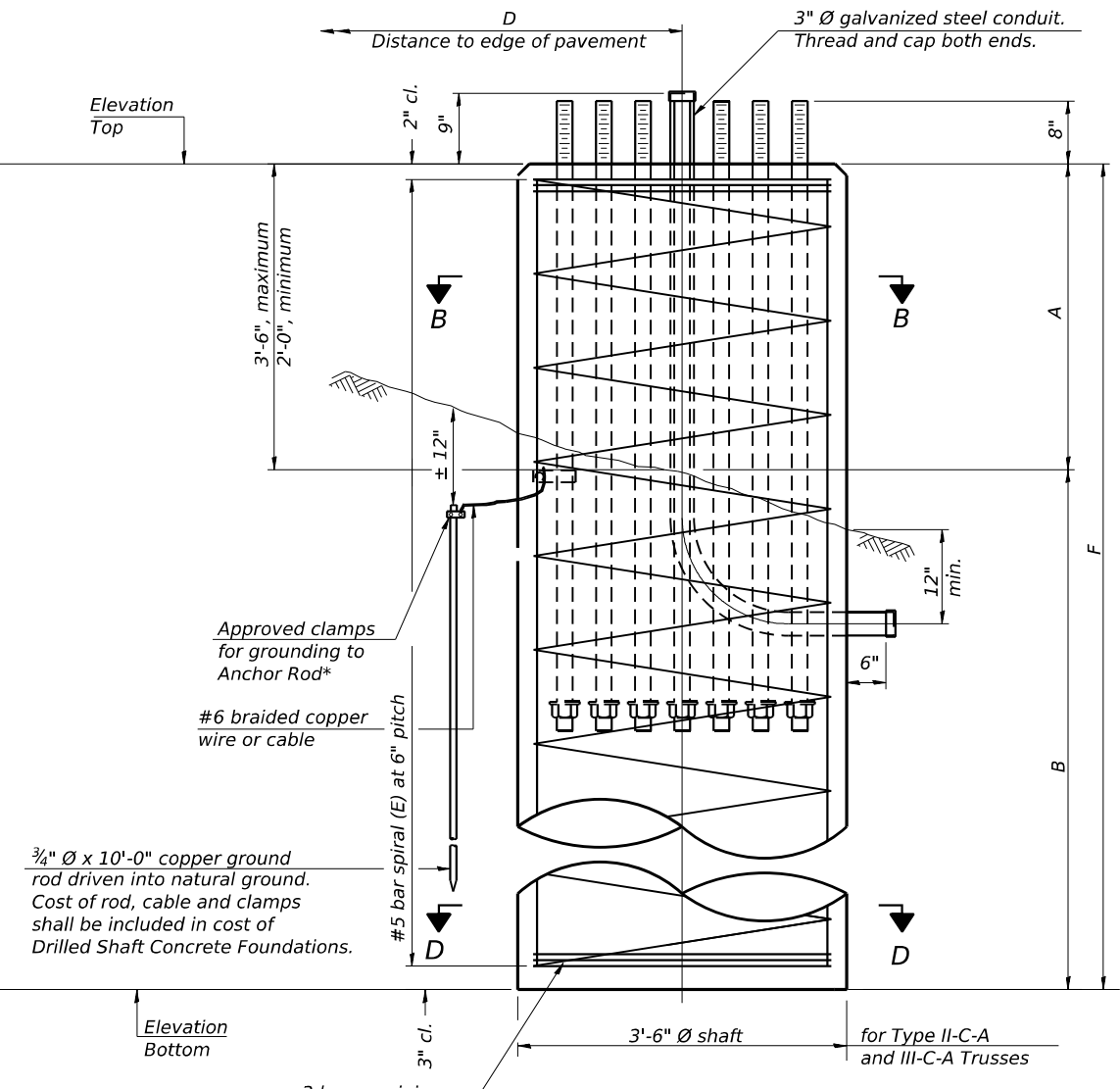
SHEET 7 OF 9 SHEETS

ILLINOIS FED. AID PROJECT

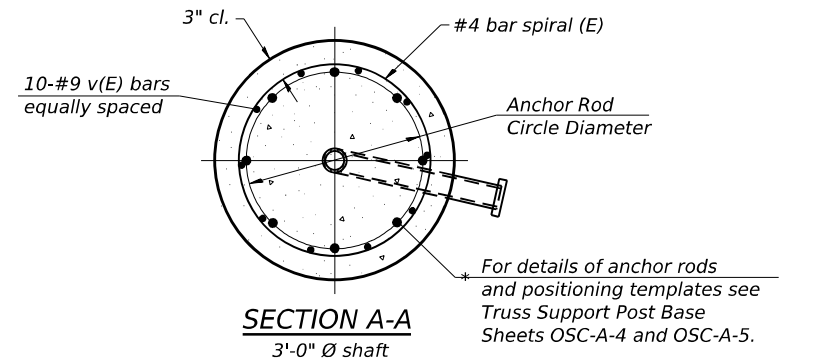
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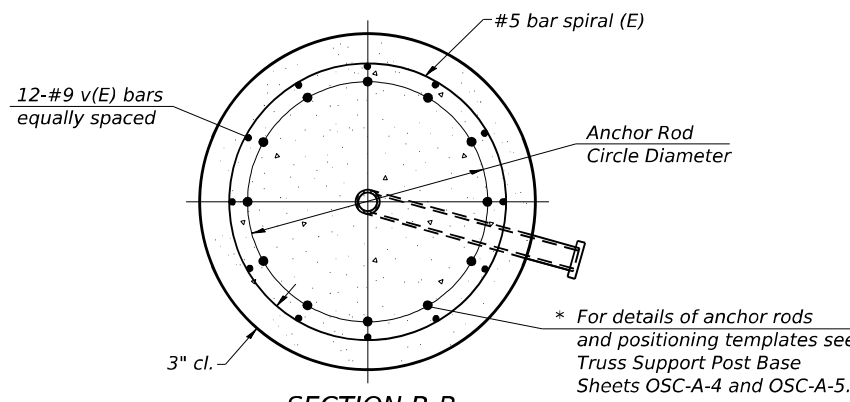
ELEVATION



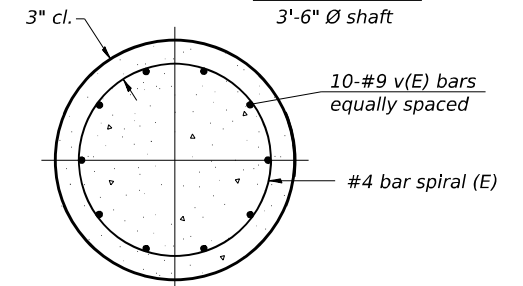
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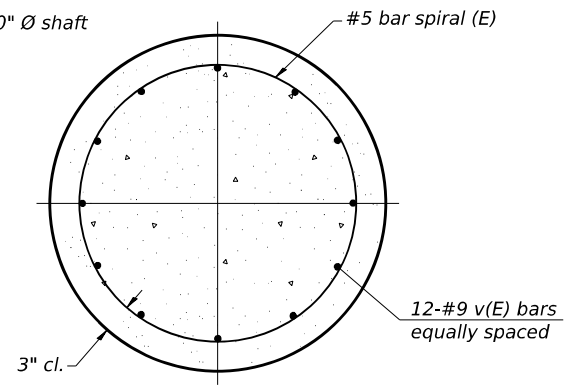
SECTION A-A
3'-0" shaft



SECTION B-B
3'-6" shaft



SECTION C-C
3'-0" shaft



SECTION D-D
3'-6" shaft

NOTES:
 The foundation dimensions shown in the Foundation Design Table 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 in the Foundation Data Table 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".

Truss Type	Post Base Sheet	Maximum Cantilever Length (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (ft)	"B" Depth (ft)	Anchor Rods		Anchor Rod Circle Diameter (in)
						No.	Diameter (in)	
I-C-A	OSC-A-4	25	170	3.0	16.0	8	2	22
II-C-A	OSC-A-5	30	170	3.5	17.0	12	2	30
II-C-A	OSC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	OSC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	OSC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	OSC-A-5	40	400	3.5	32.0	12	2	30

Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu	A	B	F	Class DS Concrete Cubic Yards
1C0991080L126.2	354+50	II-C-A	3'-6"	612.91	589.41	4.29 tsf	2'-0"	21'-6"	23'-6"	8.4

OSC-A-9 2-17-2017



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**

**CANTILEVER SIGN STRUCTURES - DRILLED SHAFT
ALUMINUM TRUSS & STEEL POST**

SHEET 8 OF 9 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	412
ILLINOIS			CONTRACT NO. 62R28	
FED. AID PROJECT				



wangeng@wangeng.com
1145 N Main Street
Lombard, IL, 60148
Telephone: 630 953 9928
Fax: 630 953 9938

BORING LOG OSB-15

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: 610.80 ft
North: 1755521.20 ft
East: 1021230.90 ft
Station: 354+31.8
Offset: 83.3 LT

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 (%)
	610.3	6-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Stiff to hard, brown SILTY CLAY LOAM to CLAY LOAM, trace gravel; damp			1	4 7 7	5.66	13		585.3	Hard, brown SILTY CLAY, trace gravel; damp			11	11 17 21	10.25	19
		--FILL-- --RDR 2-3--	5		2	3 5 4	2.87	16				30		12	8 11 16	9.18	20
					3	3 4 5	3.12	18		579.1	Stiff, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel; damp						
			10		4	3 8 8	3.85	21				35		13	8 17 23	1.39	16
					5	3 2 4	1.39	20		573.8	Strong, dark gray, poor quality, DOLOSTONE; closely spaced, moderately weathered, horizontal joints, with <0.05 inch opening, slicken walls, and >0.2 inch thick clay infill. --RUN 1: 37.0 to 47.0 feet-- --Recovery: 100%-- --RQD: 31%--						
			15		6	3 6 8	2.95	19									
					7	6 8 11	3.03	19									
			20		8	6 8 9	4.43	15									
					9	6 9 10	3.12	24		563.8							
			25		10	3 8 17	7.30	17									

WANGENG 2553901.GPJ WANGENG.GDT 2/13/23

GENERAL NOTES

Begin Drilling **11-08-2022** Complete Drilling **11-08-2022**
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 ∇ **34.00 ft**
At Completion of Drilling ∇ **35.00 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.

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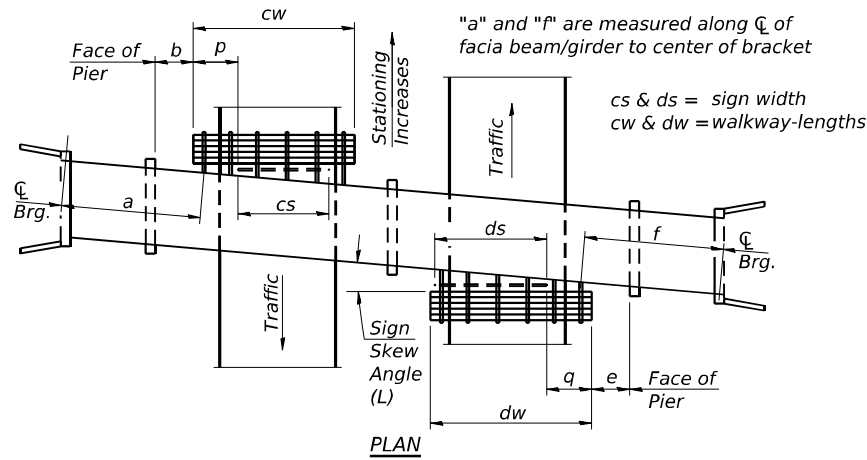
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES
BORING LOG

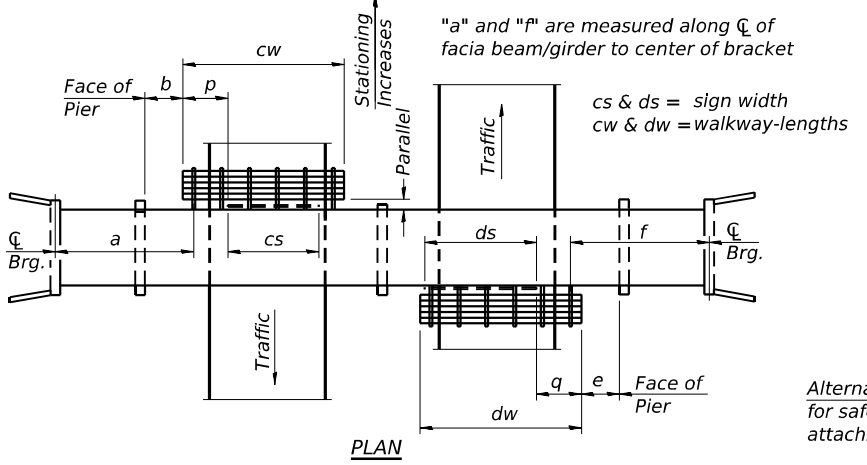
SHEET 9 OF 9 SHEETS

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

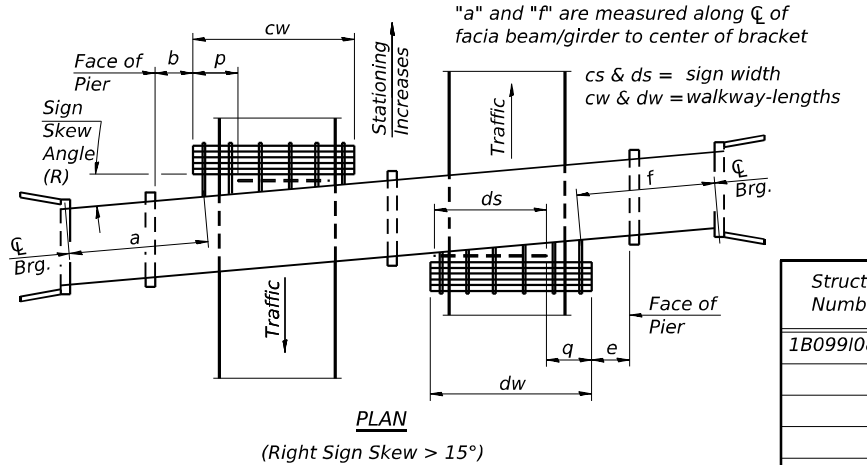
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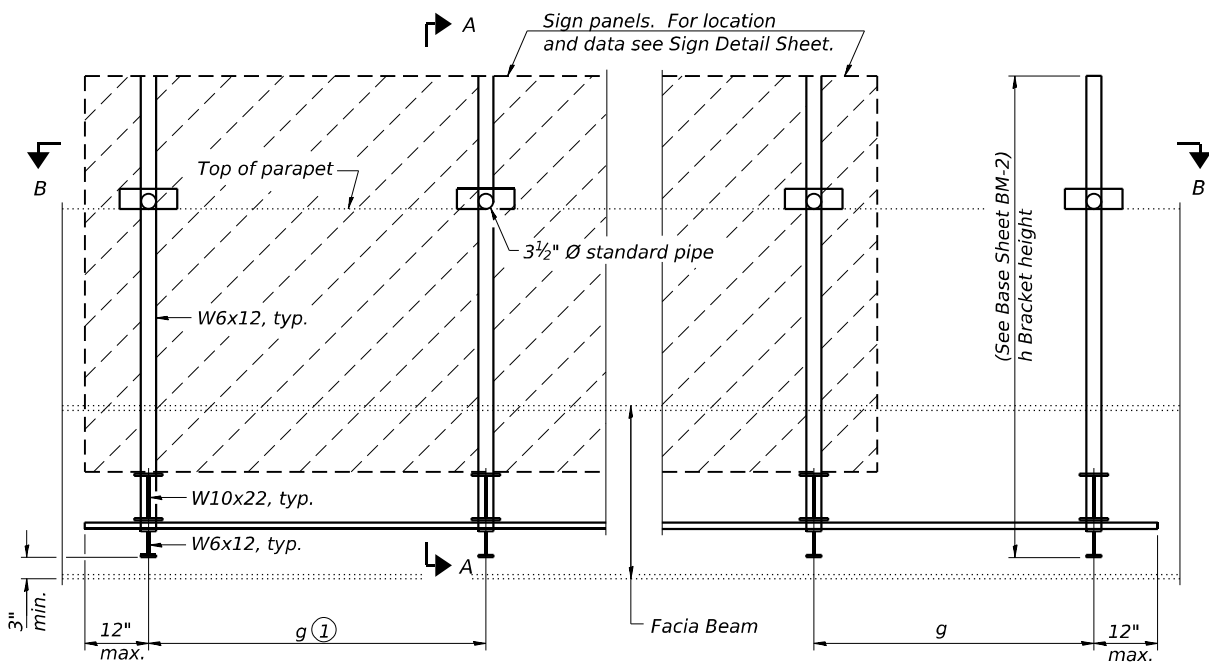
PLAN
 (Left Sign Skew > 15°)
WALKWAY AND HANDRAIL SKETCH
 (Road plan beneath structure varies.)



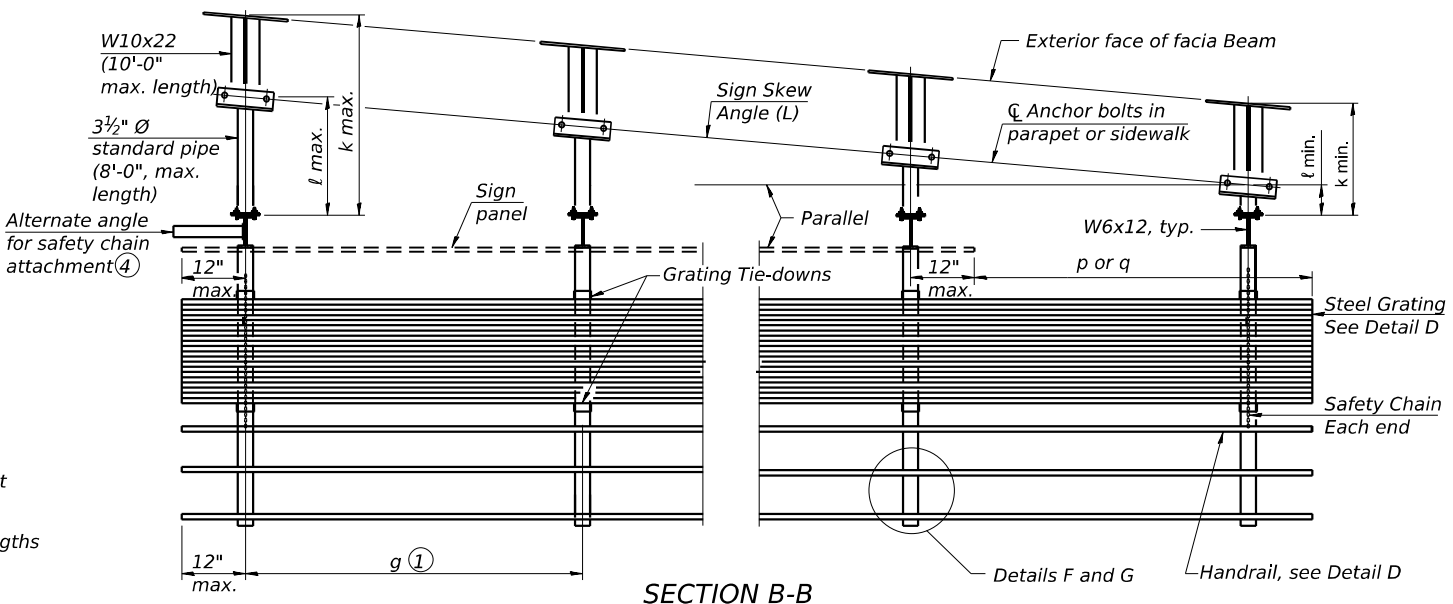
PLAN
 (For Sign Skew $\leq 15^\circ$, all brackets constant)
WALKWAY AND HANDRAIL SKETCH
 (Road plan beneath structure varies.)



PLAN
 (Right Sign Skew > 15°)
 (Road plan beneath structure varies.)



TYPICAL FRONT ELEVATION
 (With lights, safety chain and handrail omitted for clarity.)



SECTION B-B
 (Shown: Left Sign Skew > 15°)

Structure Number	Sign Skew Angle (L) or (R)	Bridge Station	Bridge Structure Number	Contract Route Designation	a	b	cs	cw	ds	dw	e	f	g	No. of Brackets (Total)	p	q	Total Grating/Hndrl. Lengths (cw + dw)
1B099I080R126.3	01°51'56"	356+78.56	099-8316	RTE 80	-	-	-	-	31'-0"	33'-9"	-	59'-6 3/8"	Varies	8	-	2'-9"	33'-9"

Dimensions a, b, e, f & g may vary as approved by the Engineer, see ①.
 When cw < cs and/or dw < ds, use alternate brackets without walkway supports where applicable, see ③.

GENERAL NOTES

- SPECIFICATIONS:**
- 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.
- MINIMUM CLEARANCE:** 3" greater than bridge members at all locations. (All Obstructions)
- WELDING:** All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 Structural Welding Code (Steel) and the Standard Specifications.
- MATERIALS:** All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. 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 (M183, M223 Gr. 50).
- HIGH STRENGTH BOLTS:** All bolts, washers, nuts and locknuts shall satisfy the requirements of ASTM designation A307 unless noted as "H.S." which shall require AASHTO M164 (A325), ASTM A449, or approved alternate. All fasteners shall be hot dip galvanized per AASHTO M232 unless otherwise specified.
- 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:** All-threaded rod shall conform to ASTM F1554 Grade 105, 3/4" O x 12" long, each with one plate washer and locknut and be hot dip galvanized per AASHTO M232. They shall be either cast into the concrete or epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment in concrete shall be 9".

- ① Bracket spacing $g \leq 6'-0"$, max. Spacing shall be uniform if possible but may vary $\pm 6"$ to miss existing obstruction (rail post, light poles, web stiffeners, splice plates, etc.). Adjust bracket lengths accordingly on skewed structures. Adjustments to bracket spacing will be needed to ensure sign does not extend 1 foot past CL of nearest support
- ② Any design modifications shall be based on the current version of applicable specifications and submitted for the Engineer's approval.
- ③ Unit price includes grating, handrail, brackets, supports, anchor bolts, fasteners, fabrication, delivery, erection, field drilling and other necessary items. Limits of payment are based on grating length (cw, dw) unless otherwise specified. For Safety Chain Details and Details D, F and G, see Base Sheet BM-4.
- ④ If walkway bracket at safety chain location is behind sign, add angle to bracket. See detail on Base Sheet BM-4.

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
③ OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	Foot	34
REMOVE OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	Each	2



USER NAME = hahassan_	DESIGNED - HMH	REVISED -
PLOT SCALE = 32.0000' / 1 in.	CHECKED - DTS	REVISED -
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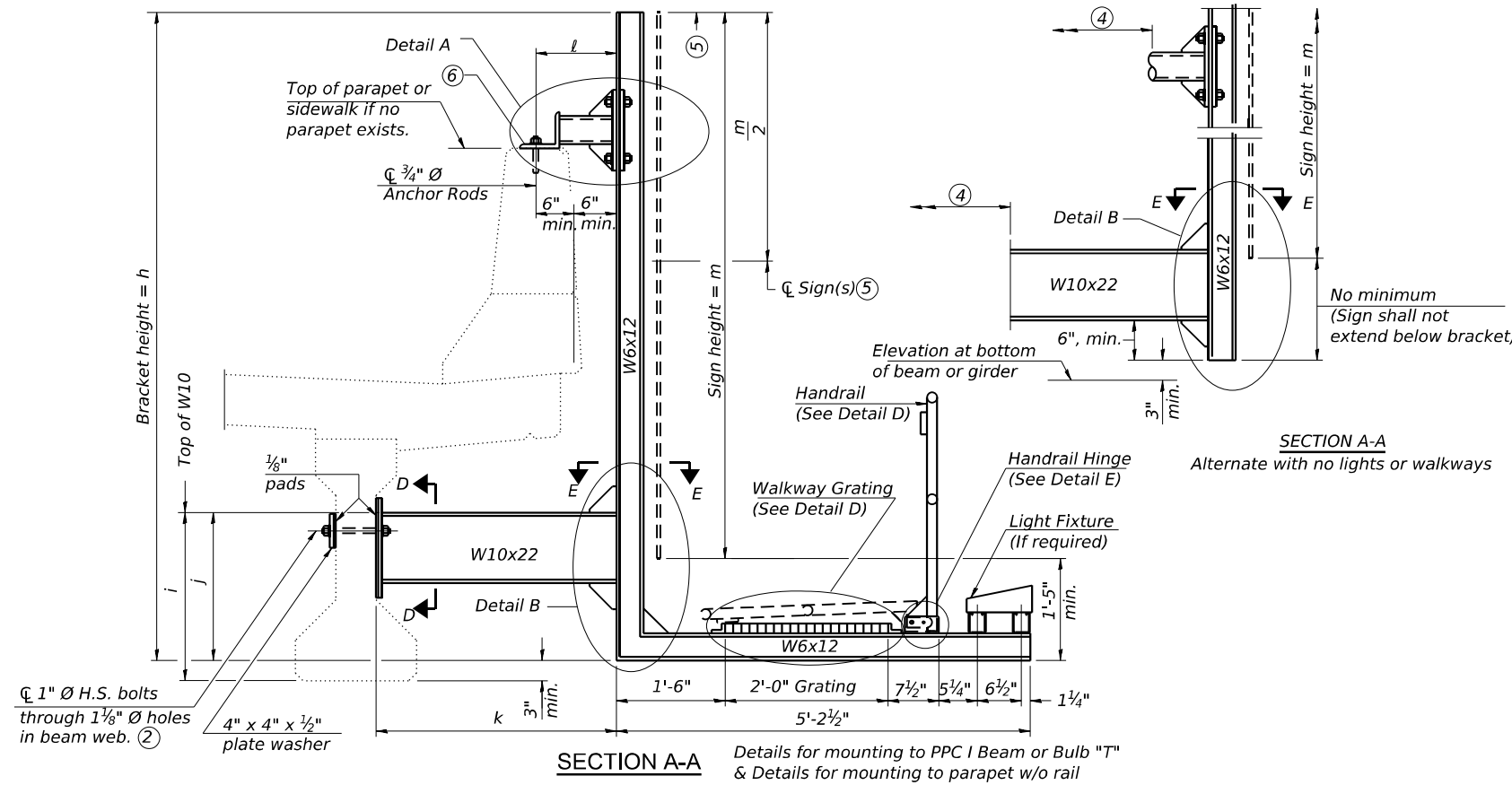
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE MOUNT SIGN STRUCTURES
GENERAL PLAN AND ELEVATION

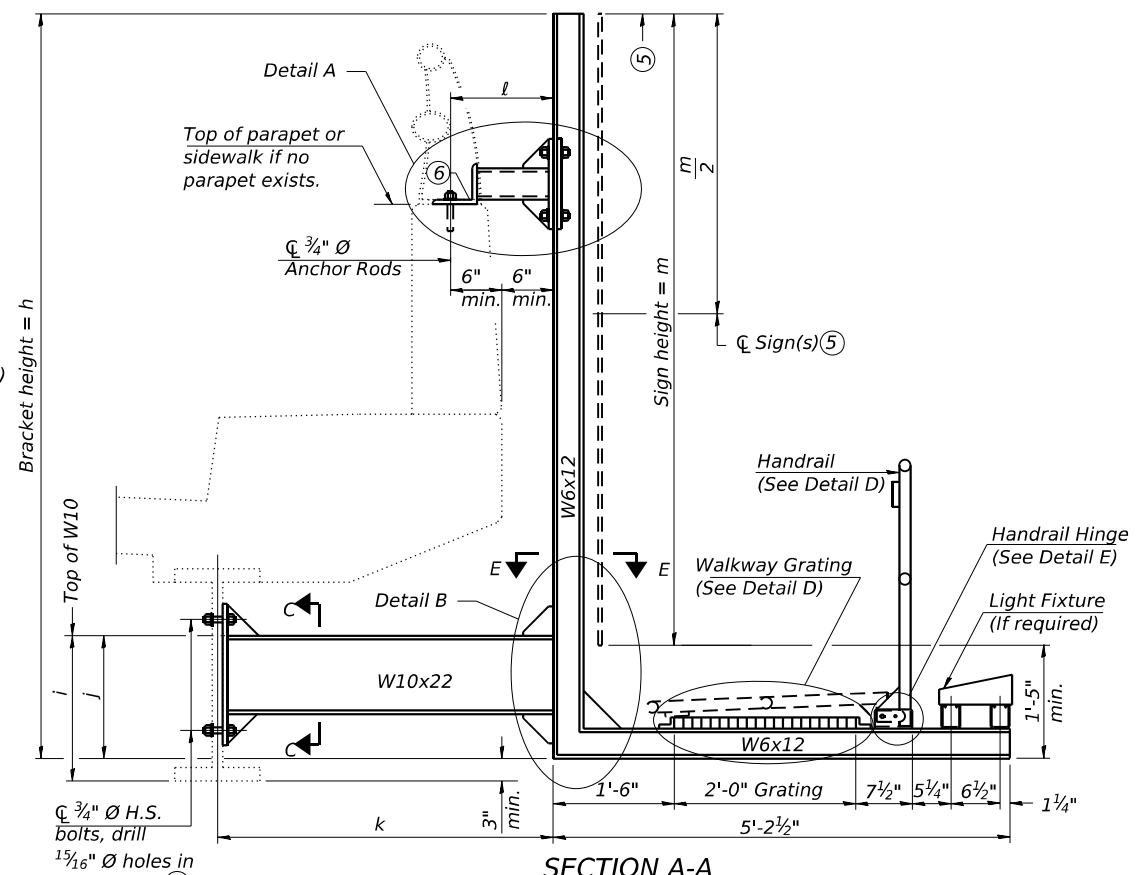
SHEET 1 OF 4 SHEETS

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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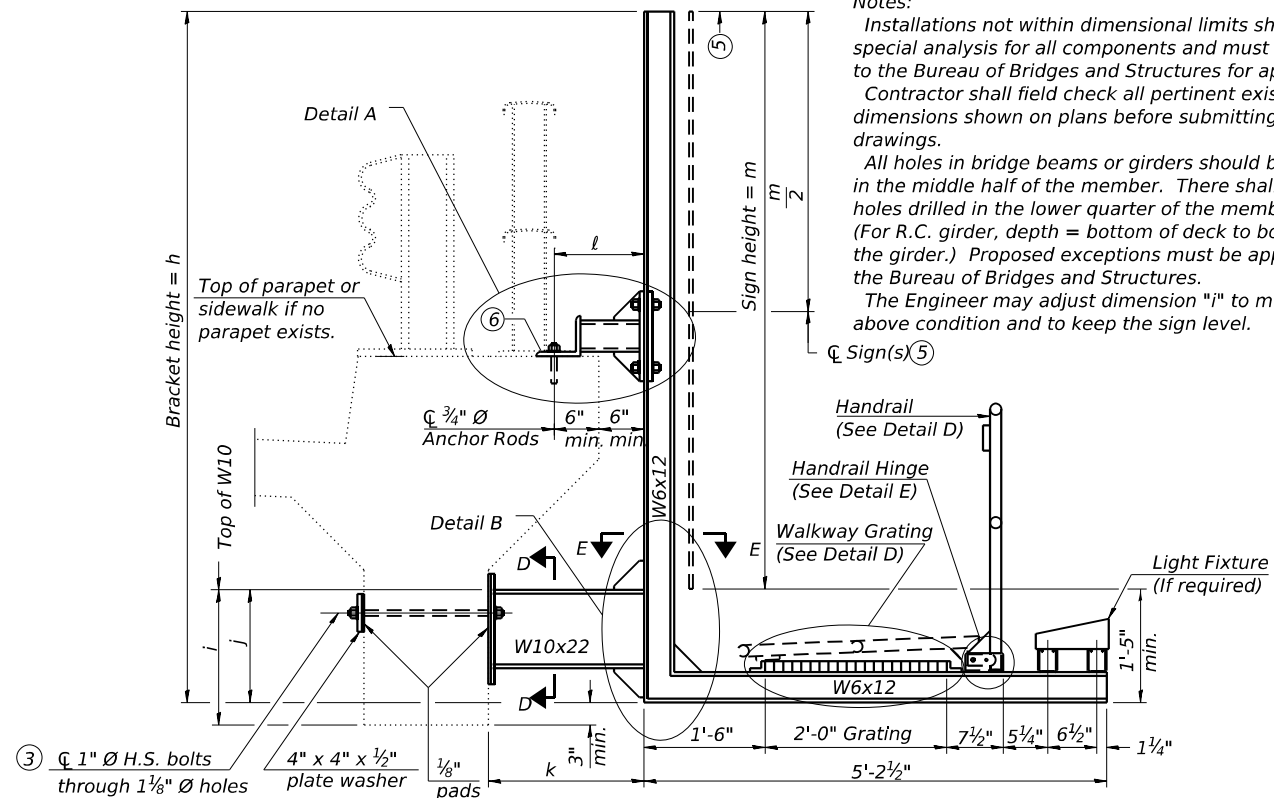
SECTION A-A
 Details for mounting to PPC I Beam or Bulb "T"
 & Details for mounting to parapet w/o rail



SECTION A-A
 Details for mounting to steel beam or girder
 & Details for mounting with existing parapet mounted rail

Notes:
 Installations not within dimensional limits shown require special analysis for all components and must be submitted to the Bureau of Bridges and Structures for approval. Contractor shall field check all pertinent existing bridge dimensions shown on plans before submitting shop drawings. All holes in bridge beams or girders should be located in the middle half of the member. There shall be no holes drilled in the lower quarter of the member's depth. (For R.C. girder, depth = bottom of deck to bottom of the girder.) Proposed exceptions must be approved by the Bureau of Bridges and Structures. The Engineer may adjust dimension "i" to meet the above condition and to keep the sign level.

- ① Holes in new steel members may be drilled in the fabrication shop or in the field. Field drill existing members.
- ② For new PPC I beams, holes shall be formed during casting. For existing PPC I beams, prestressing strand locations shall be determined and spaced to miss strands by 6", min. Minimize spalling during field drilling of existing beams.
- ③ For new construction, form holes. For existing RC beams, locate primary reinforcement and space holes to miss by 6", min. Minimize spalling and concrete fracturing/damage during field drilling of existing concrete. Spalls over 1/4" deep or beyond the coverage of the 4x4 plate washer shall be repaired with epoxy mortar before installing washer.
- ④ For attachment details of 3/2" pipe and W10x22, see other sections as applicable.
- ⑤ Sign shall not extend more than 6" above top of bracket, and this dimension may vary to keep sign level if bridge is on grade or vertical curve. Multiple signs of various heights shall share a common horizontal centerline and use equal bracket heights. If no sign is attached to a W6x12 vertical (bracket only supporting walkway), dimension h shall be the same as an adjacent bracket with a sign attached, unless Engineer specifically directs shorter brackets due to locational restraints on future uses. (See Detail A for minimum bracket height.)
- ⑥ For bridge mounted sign structures installed on new bridges with railing, during design, bracket spacing must be coordinated with railing post spacing and the Contractor must install upper brackets prior to railing installation. For bridge mounted sign structures installed on existing bridges with railing, during design, brackets spacing must be coordinated with railing post spacing and the Contractor must temporarily remove sections of railing to facilitate upper bracket installation. If it is determined during design that existing railings can't be removed, alternate upper connection details must be developed for the contract plans and approved by the Bureau of Bridges and Structures.



SECTION A-A
 Details for mounting to integral reinforced concrete girder & Details
 for mounting on safety curb with surface-mount bridge rail

For Details A & B, Sections C-C, D-D
 and E-E, see Base Sheet BM-3.
 For Details D & E, see Base Sheet BM-4.

Structure Number	Station	h	i	j	k max. (10'-0" max.)	l max. (8'-0" max.)	m (15'-0" max.)
1B0991080R126.3	356+78.56	11'-11"	2'-0 1/4"	1'-9 1/4"	4'-3 3/8"	2'-0 1/8"	10'-6"

BM-2

2-17-2017



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

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 CHECKED - DTS
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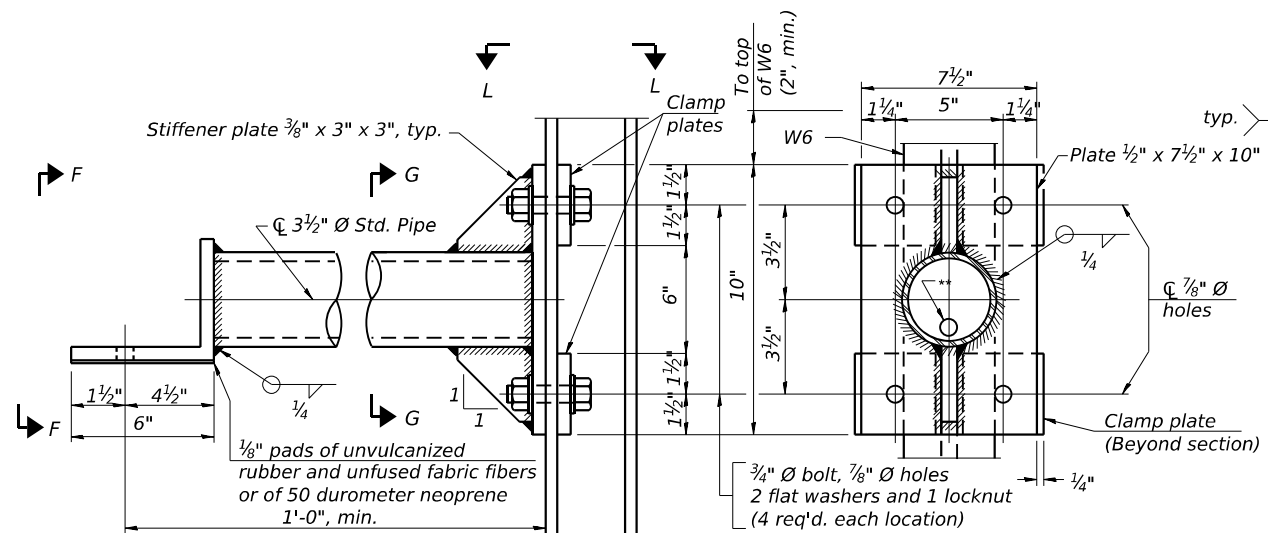
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 DEPARTMENT OF TRANSPORTATION**

**BRIDGE MOUNT SIGN STRUCTURES
 WALKWAY AND CONNECTION DETAILS**

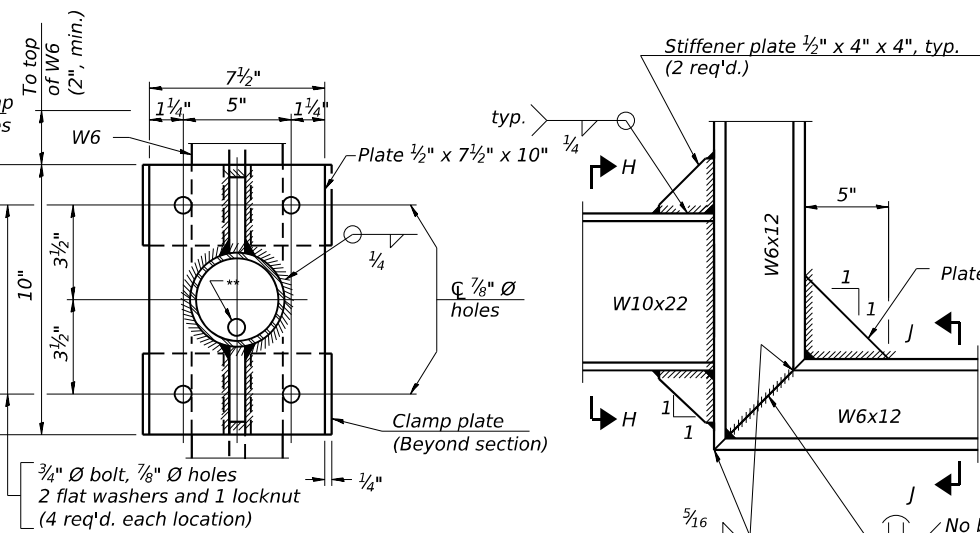
SHEET 2 OF 4 SHEETS

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CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

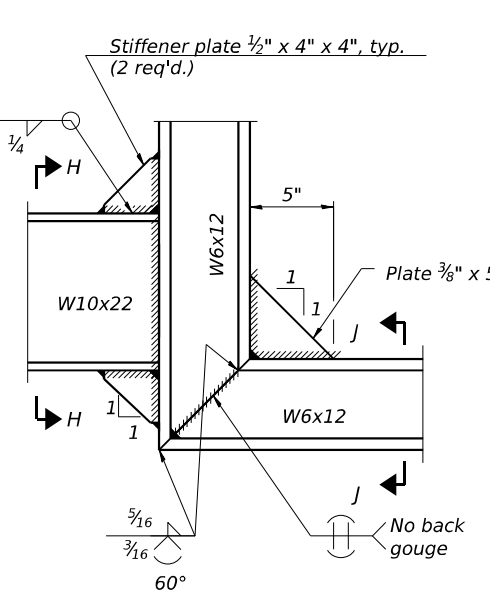
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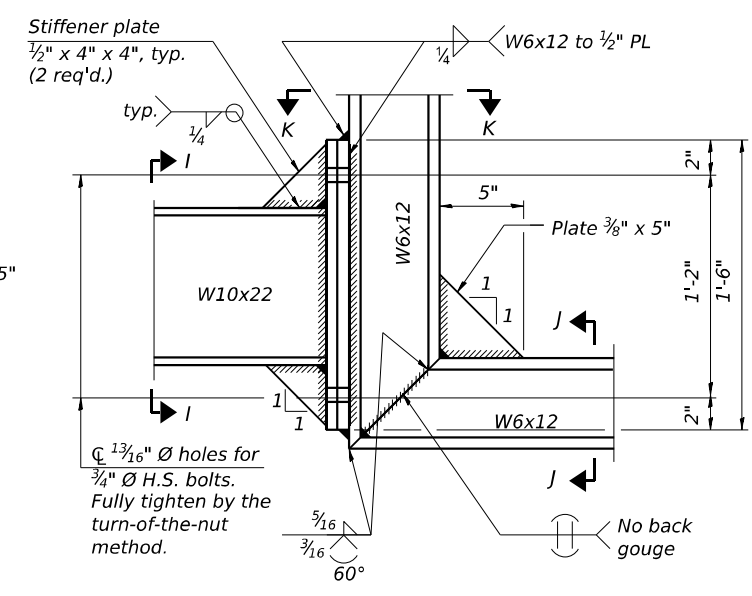
DETAIL A



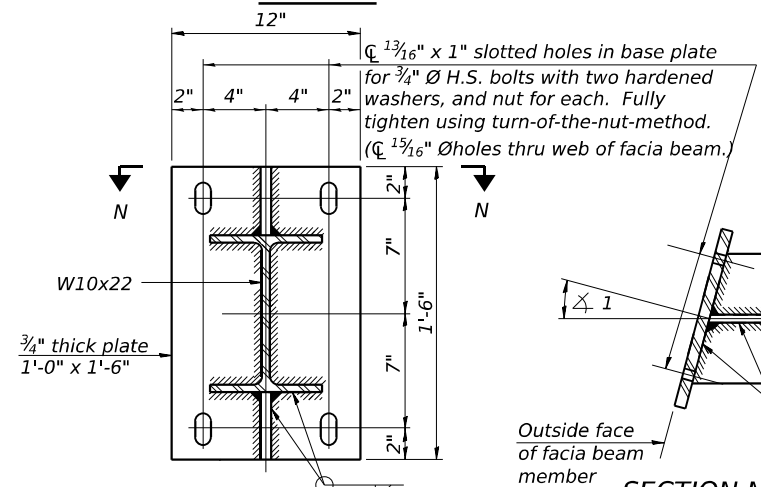
SECTION G-G



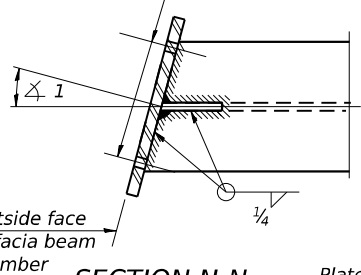
DETAIL B - WELDED W10X22 TO W6X12 CONNECTION



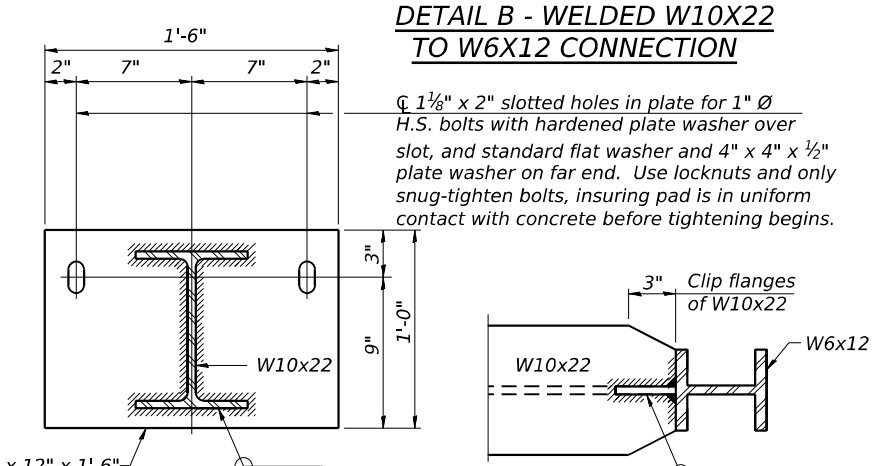
DETAIL B - ALTERNATE BOLTED W10X22 TO W6X12 CONNECTION



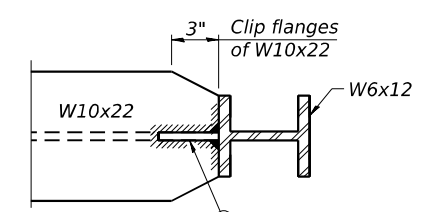
SECTION C-C



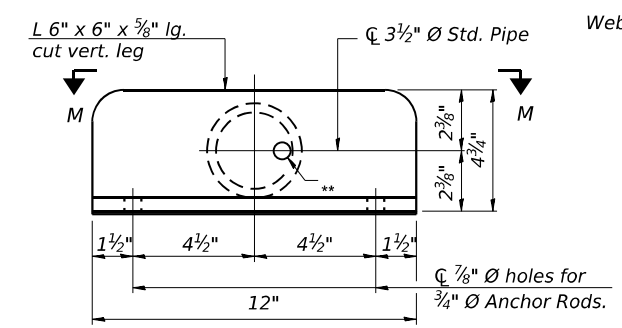
SECTION N-N



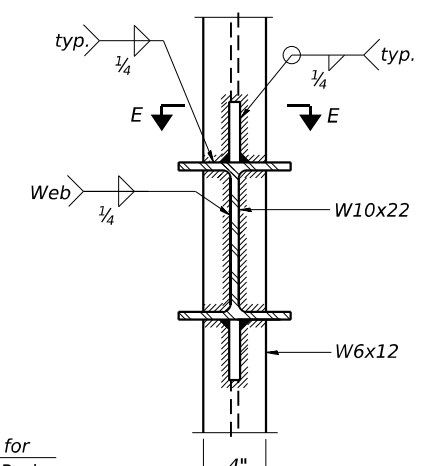
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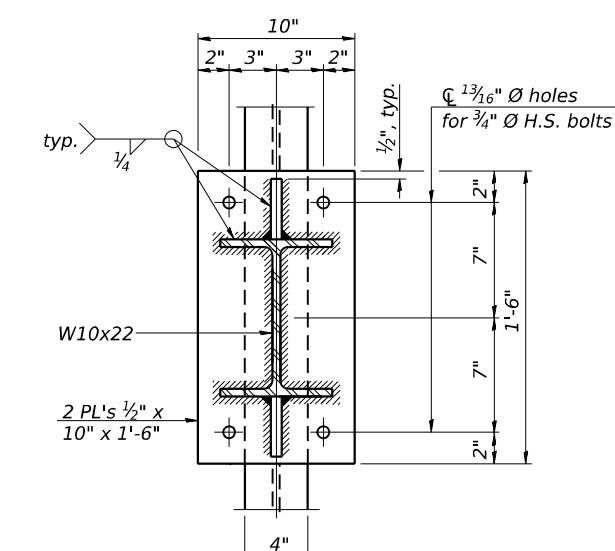
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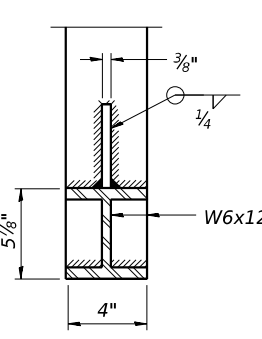
VIEW F-F



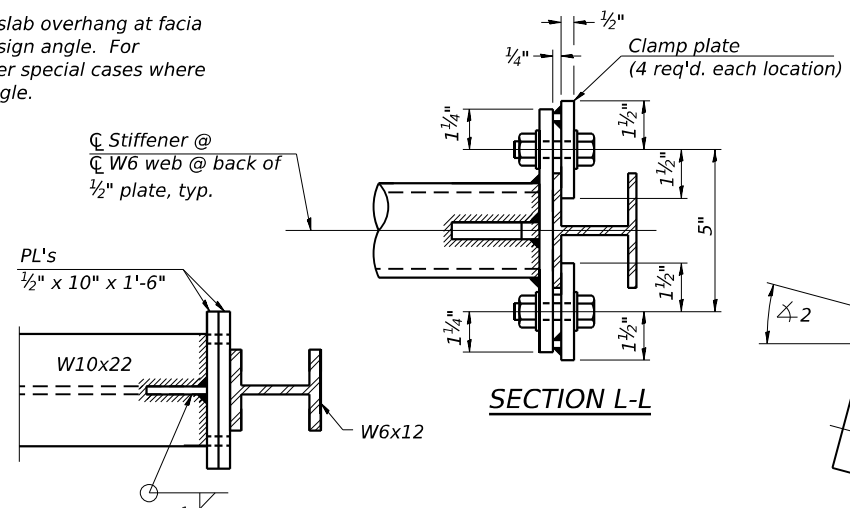
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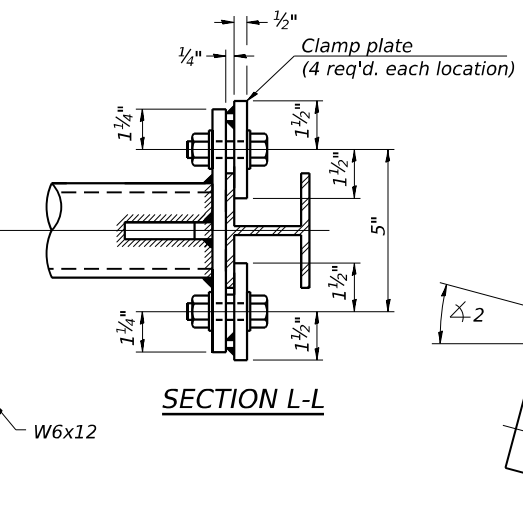
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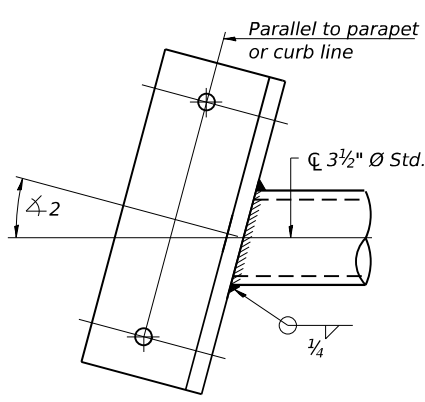
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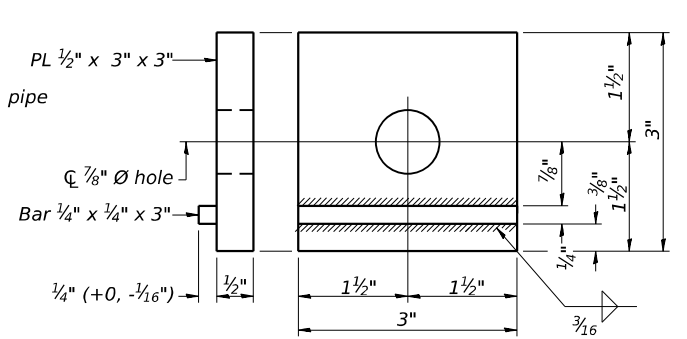
SECTION K-K



SECTION L-L



SECTION M-M



CLAMP DETAIL PLATES

BM-3 2-17-2017

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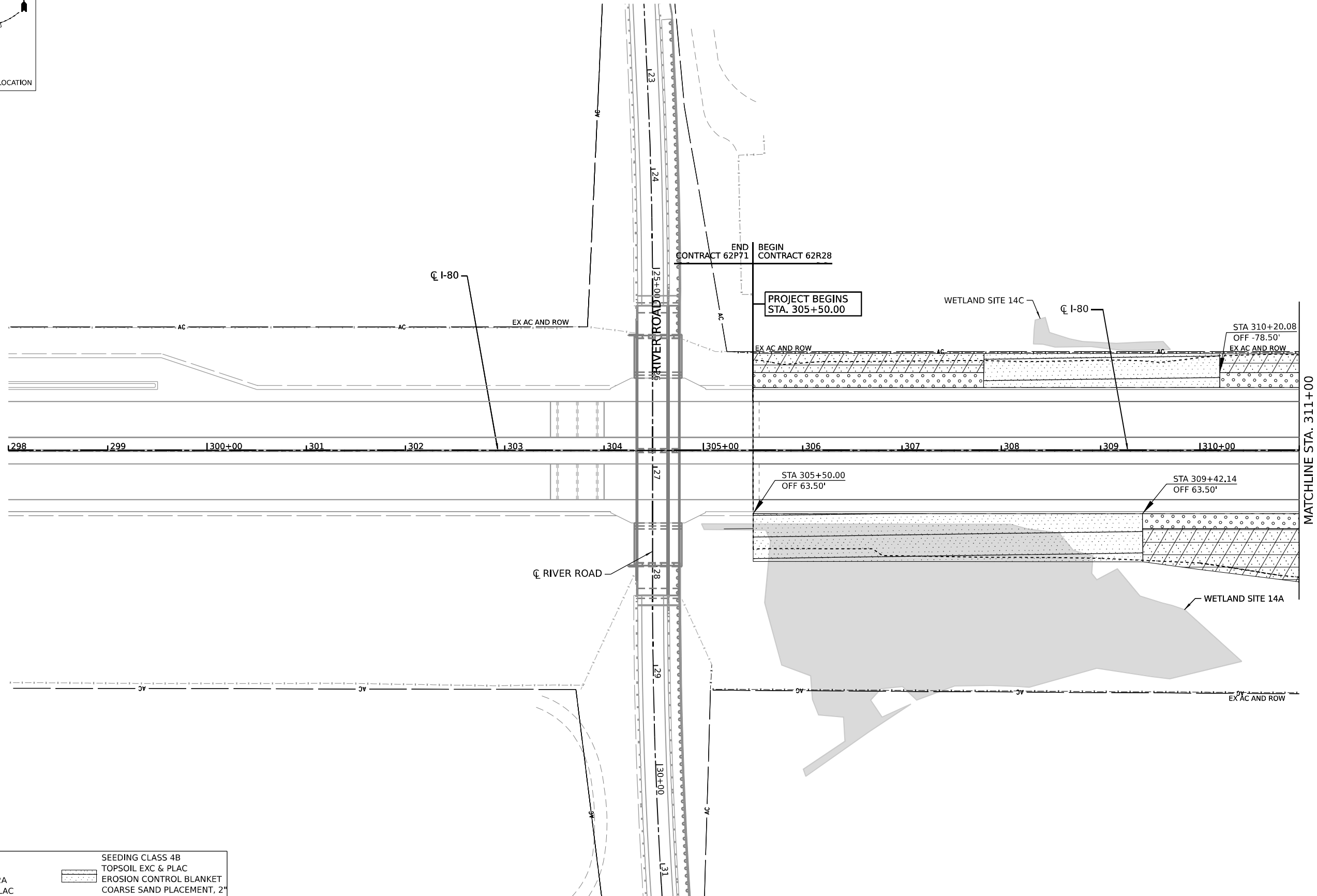
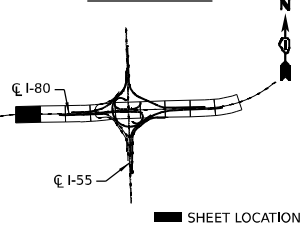
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE MOUNT SIGN STRUCTURES
CONNECTION DETAILS**

SHEET 3 OF 4 SHEETS

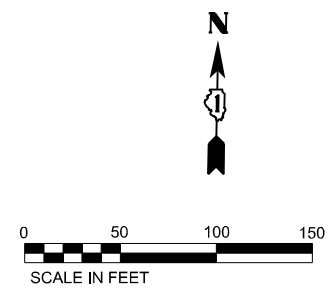
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CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



LEGEND

	SEEDING CLASS 2A TOPSOIL EXC & PLAC EROSION CONTROL BLANKET		SEEDING CLASS 4B TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
	SEEDING CLASS 4 TOPSOIL EXC & PLAC EROSION CONTROL BLANKET		SEEDING CLASS 1B TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
	SEEDING CLASS 2A TOPSOIL EXC & PLAC EROSION CONTROL BLANKET		CHAIN LINK FENCE, 4'



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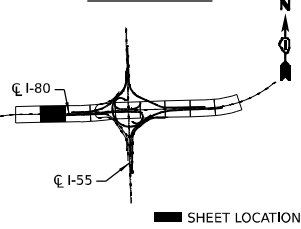
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

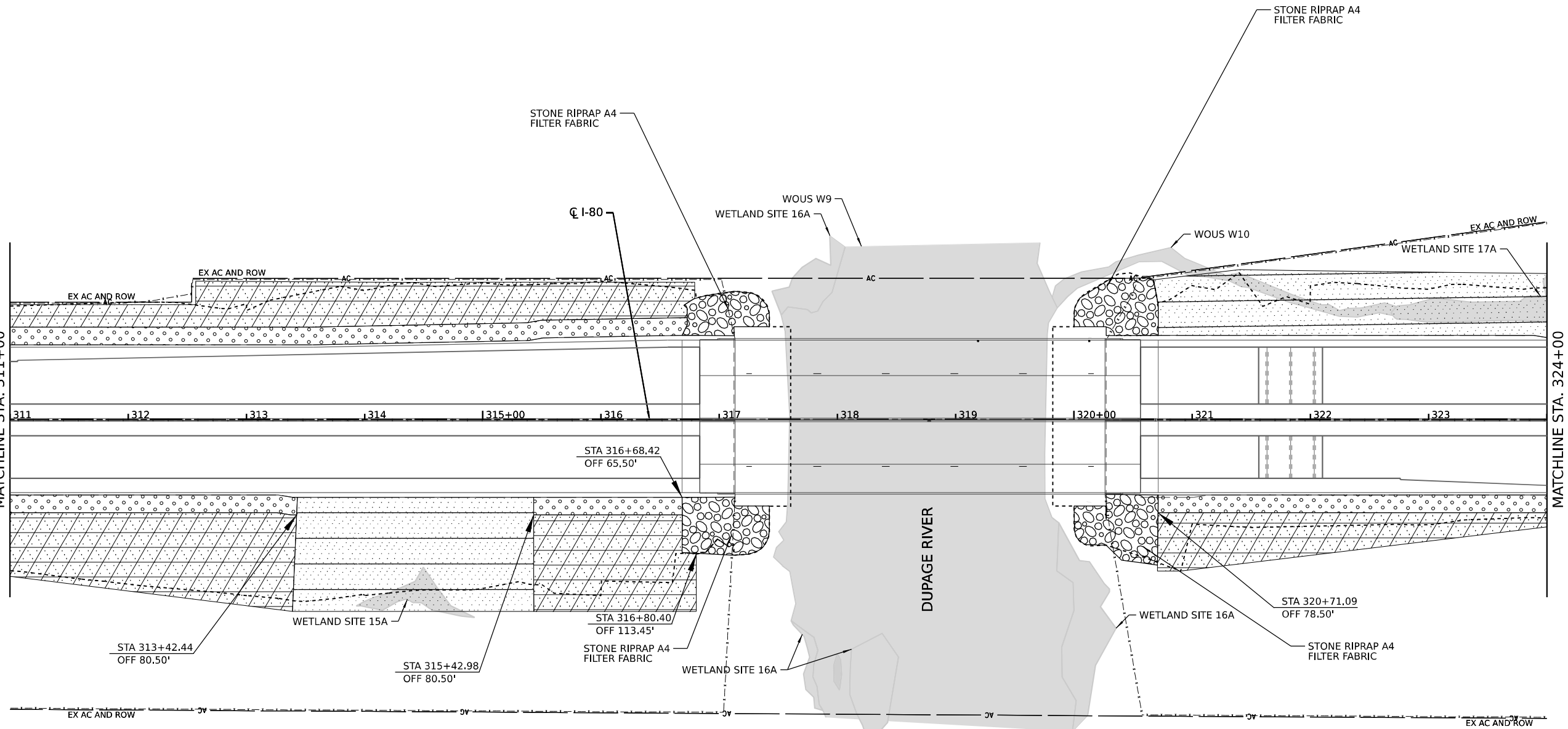
LANDSCAPE PLAN
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

KEY PLAN



MATCHLINE STA. 311+00



MATCHLINE STA. 324+00

LEGEND

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	CHAIN LINK FENCE, 4'		

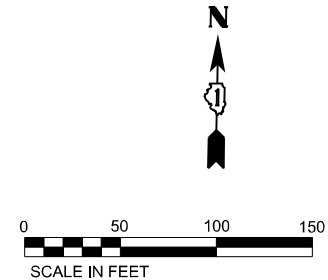


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLAN

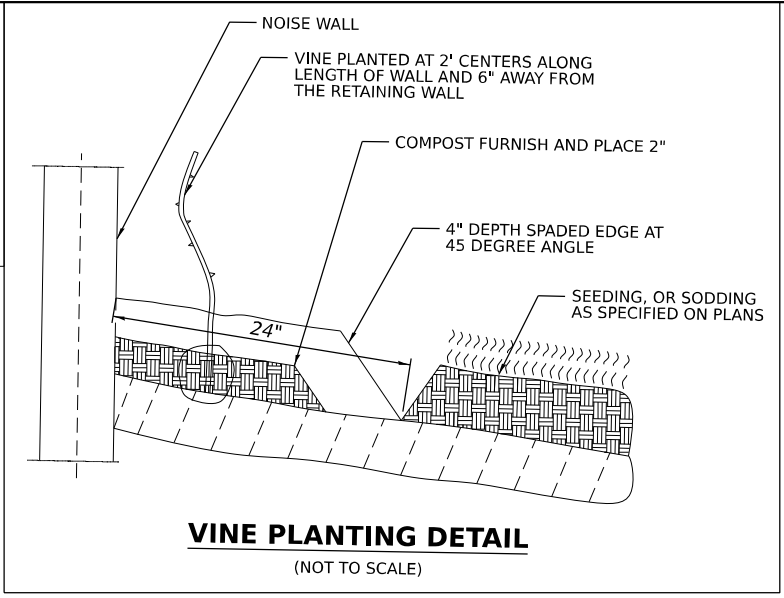
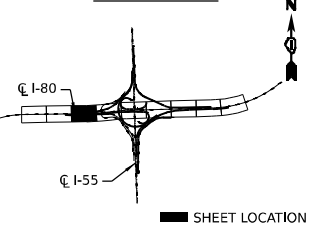
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				

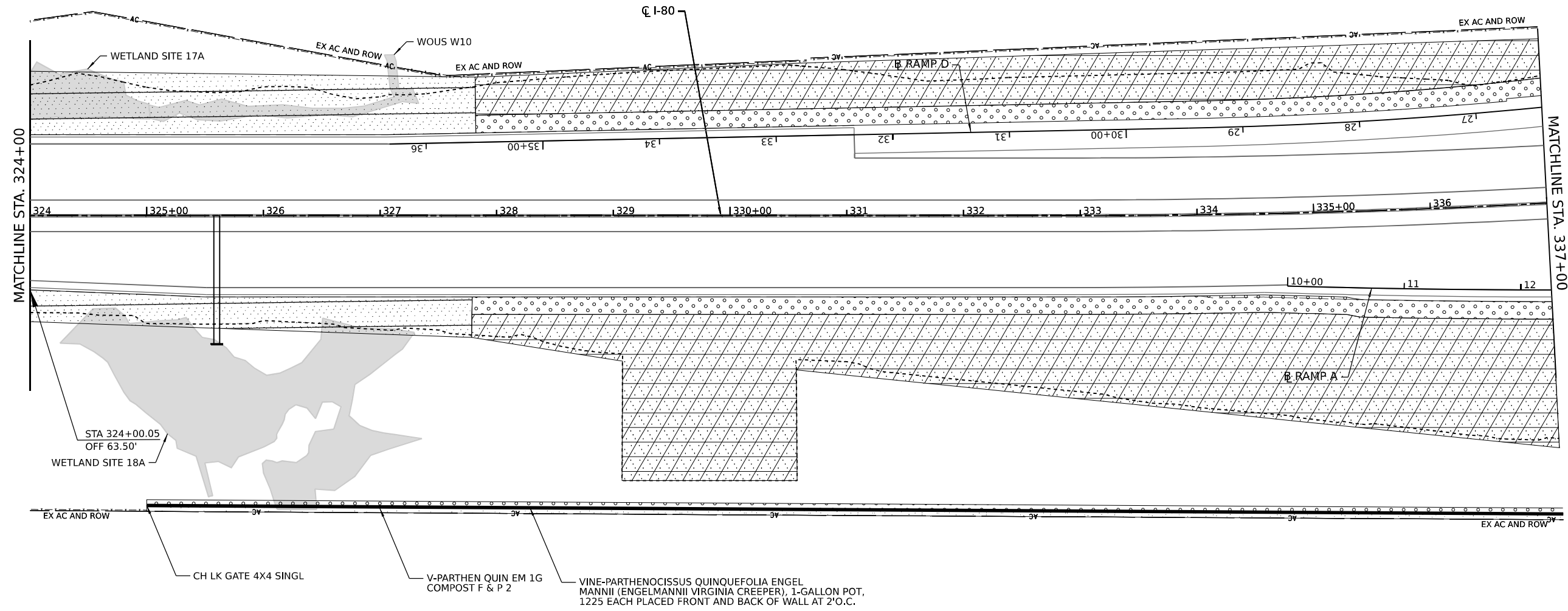
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KEY PLAN



VINE PLANTING DETAIL

(NOT TO SCALE)



LEGEND

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- SEEDING CLASS 4 TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
- SEEDING CLASS 4B TOPSOIL EXC & PLAC EROSION CONTROL BLANKET COARSE SAND PLACEMENT, 2"
- SEEDING CLASS 1B TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
- CHAIN LINK FENCE, 4'



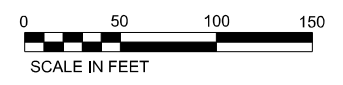
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLAN

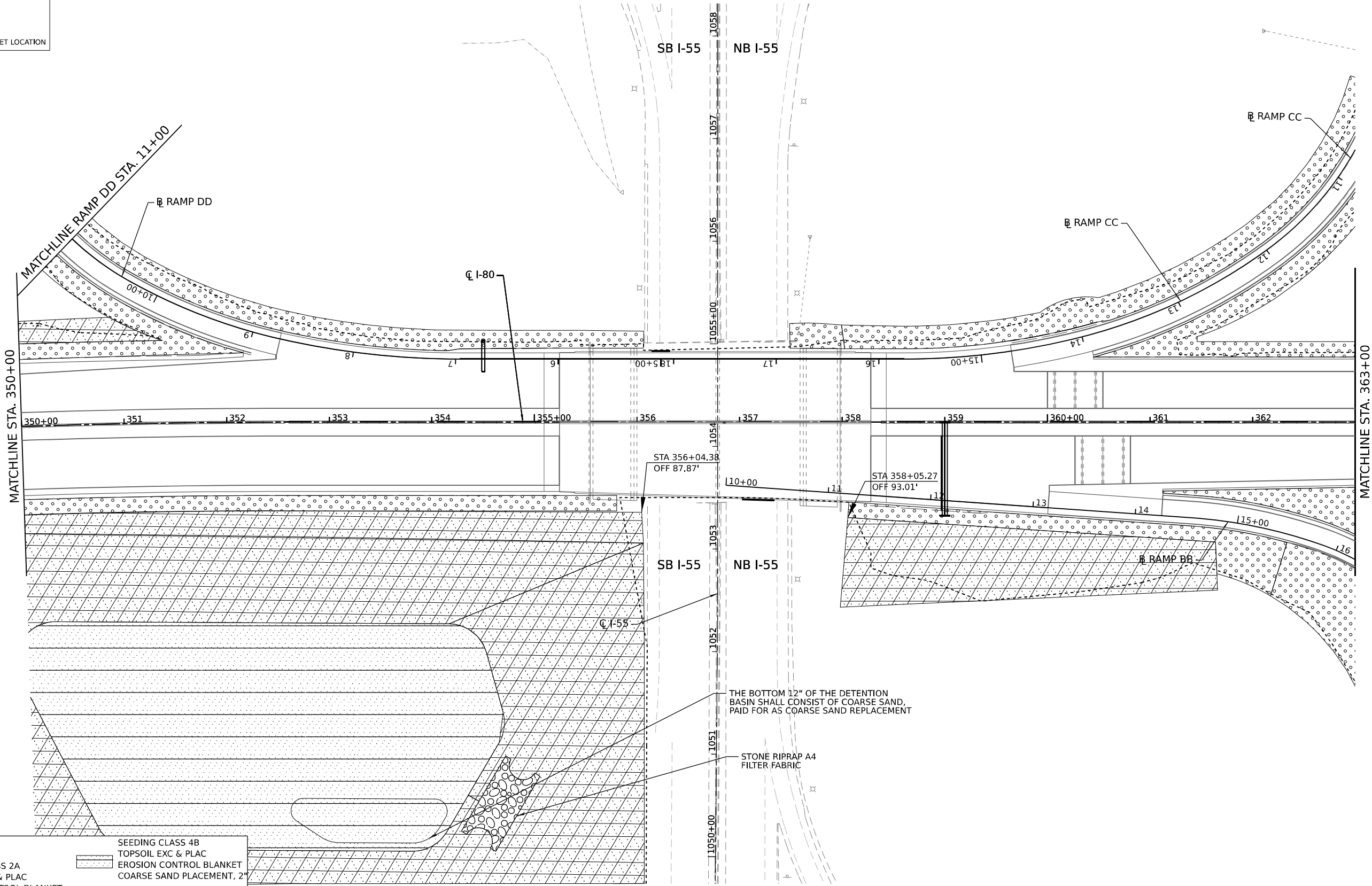
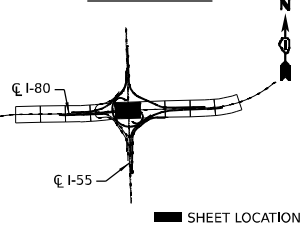
SCALE: SHEET 3 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	420
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	



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KEY PLAN

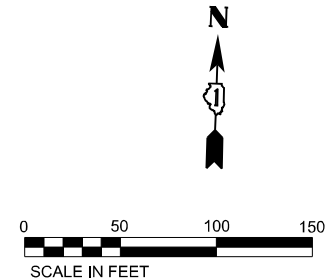


LEGEND

- SEEDING CLASS 2A
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET
- SEEDING CLASS 4
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET
- SEEDING CLASS 4B
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET
COARSE SAND PLACEMENT, 2"
- SEEDING CLASS 1B
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET
- CHAIN LINK FENCE, 4'

THE BOTTOM 12" OF THE DETENTION BASIN SHALL CONSIST OF COARSE SAND, PAID FOR AS COARSE SAND REPLACEMENT

STONE RIPRAP A4
FILTER FABRIC



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USER NAME = jebenson	DESIGNED -	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/11/2023	CHECKED -	REVISED -
	DATE -	REVISED -

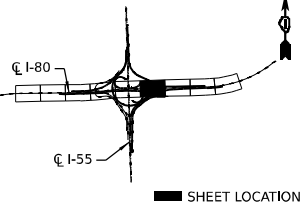
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLAN

SCALE: SHEET 5 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	422
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

KEY PLAN



PROJECT LIMITS
PR RAMP CC
STA. 10+00.00

PROJECT LIMITS
PR RAMP C
STA. 20+64.00

MATCHLINE STA. 363+00

MATCHLINE STA. 376+00

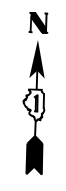
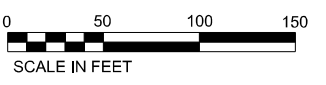
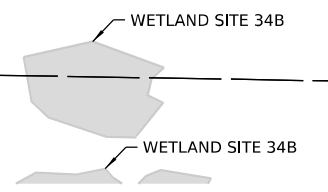
363 364 365+00 366 367 368 369 370+00 371 372 373 374 375+00

MATCHLINE RAMP BB STA. 19+00

LEGEND

	SEEDING CLASS 2A TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
	SEEDING CLASS 4 TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
	SEEDING CLASS 4B TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
	SEEDING CLASS 1B TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
	CHAIN LINK FENCE, 4'

SEEDING CL. 4
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET



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USER NAME = dbook	DESIGNED -	REVISED -
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	DATE -	REVISED -

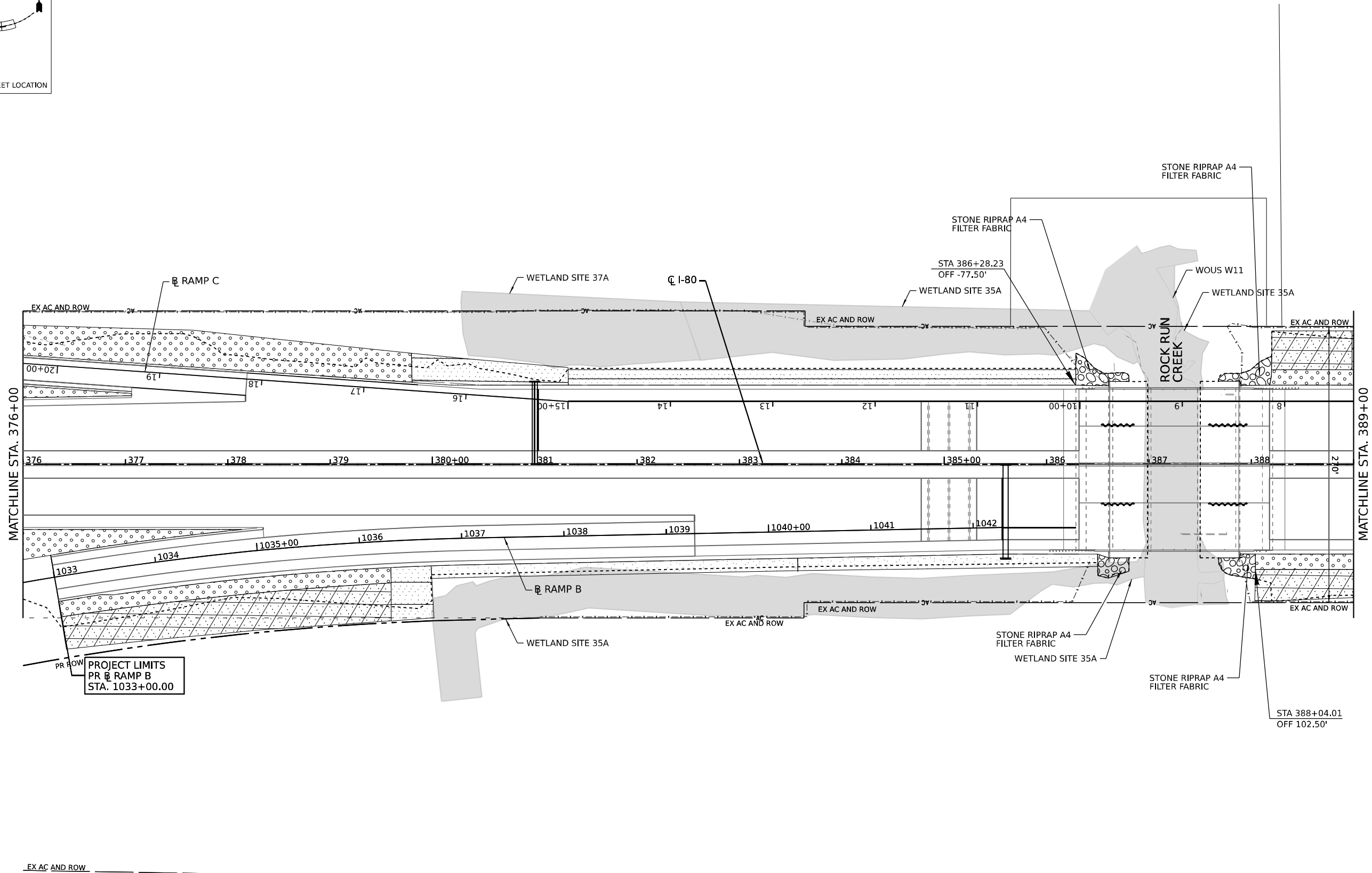
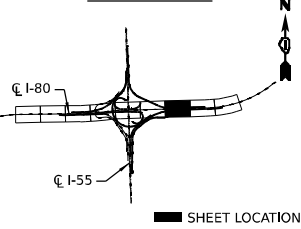
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLAN

SCALE: SHEET 6 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	423
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

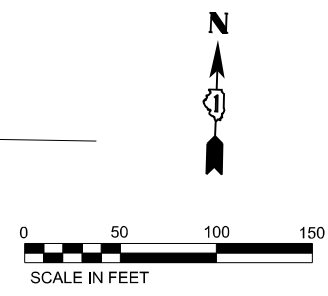
KEY PLAN



PROJECT LIMITS
PR RAMP B
STA. 1033+00.00

LEGEND

	SEEDING CLASS 2A		SEEDING CLASS 4B
	TOPSOIL EXC & PLAC		TOPSOIL EXC & PLAC
	EROSION CONTROL BLANKET		EROSION CONTROL BLANKET
	SEEDING CLASS 4		SEEDING CLASS 1B
	TOPSOIL EXC & PLAC		TOPSOIL EXC & PLAC
	EROSION CONTROL BLANKET		EROSION CONTROL BLANKET
	CHAIN LINK FENCE, 4'		



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

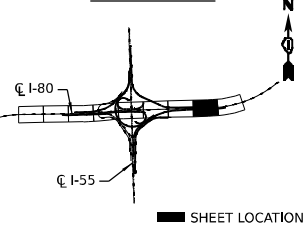
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLAN

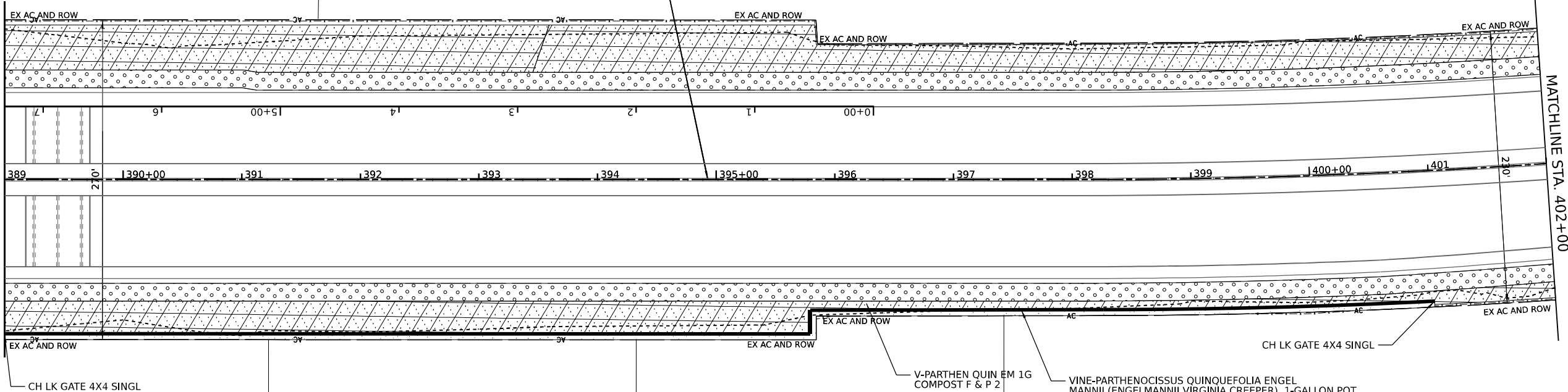
SCALE: SHEET 7 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	424
CONTRACT NO. 62R28				
ILLINOIS		FED. AID PROJECT		

KEY PLAN



MATCHLINE STA. 389+00



MATCHLINE STA. 402+00

LEGEND

- SEEDING CLASS 2A TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
- SEEDING CLASS 4 TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
- SEEDING CLASS 4B TOPSOIL EXC & PLAC EROSION CONTROL BLANKET COARSE SAND PLACEMENT, 2"
- SEEDING CLASS 1B TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
- CHAIN LINK FENCE, 4'

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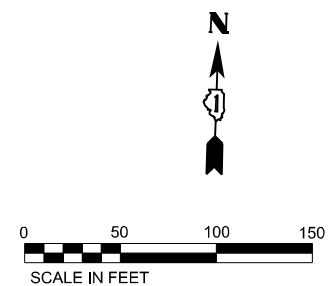


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PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

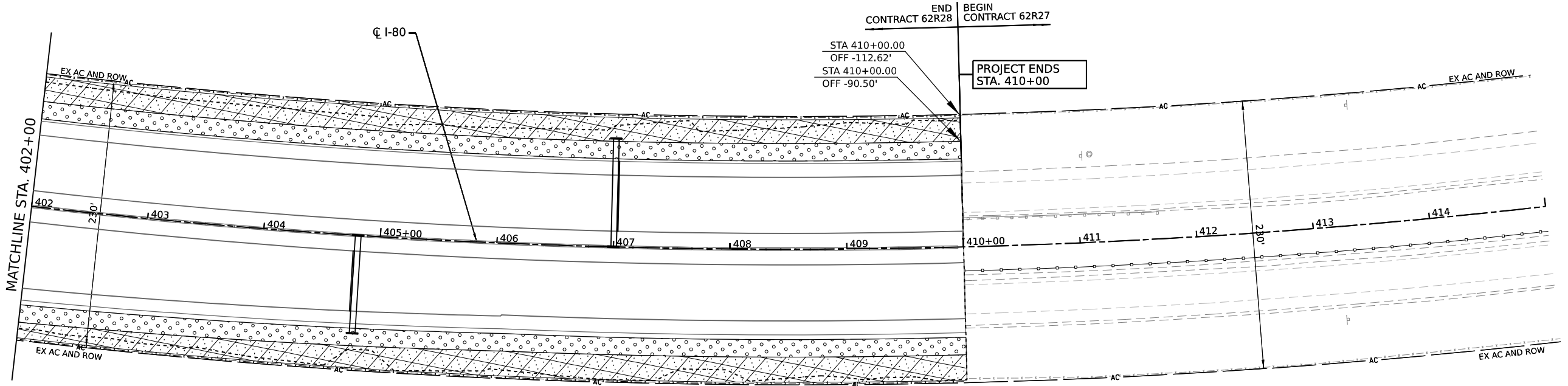
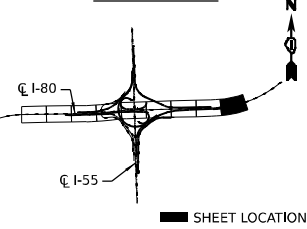
LANDSCAPE PLAN

SCALE: SHEET 8 OF 13 SHEETS STA. TO STA.



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	425
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

KEY PLAN

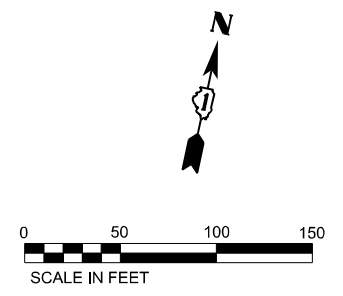


END CONTRACT 62R28 | BEGIN CONTRACT 62R27
 STA 410+00.00 OFF -112.62'
 STA 410+00.00 OFF -90.50'

PROJECT ENDS STA. 410+00

LEGEND

	SEEDING CLASS 2A TOPSOIL EXC & PLAC EROSION CONTROL BLANKET		SEEDING CLASS 4B TOPSOIL EXC & PLAC EROSION CONTROL BLANKET COARSE SAND PLACEMENT, 2"
	SEEDING CLASS 4 TOPSOIL EXC & PLAC EROSION CONTROL BLANKET		SEEDING CLASS 1B TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
	CHAIN LINK FENCE, 4'		



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

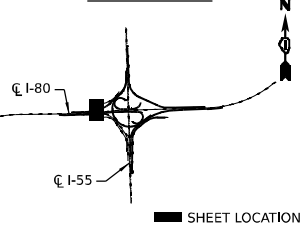
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLAN

SCALE: SHEET 9 OF 13 SHEETS STA. TO STA.

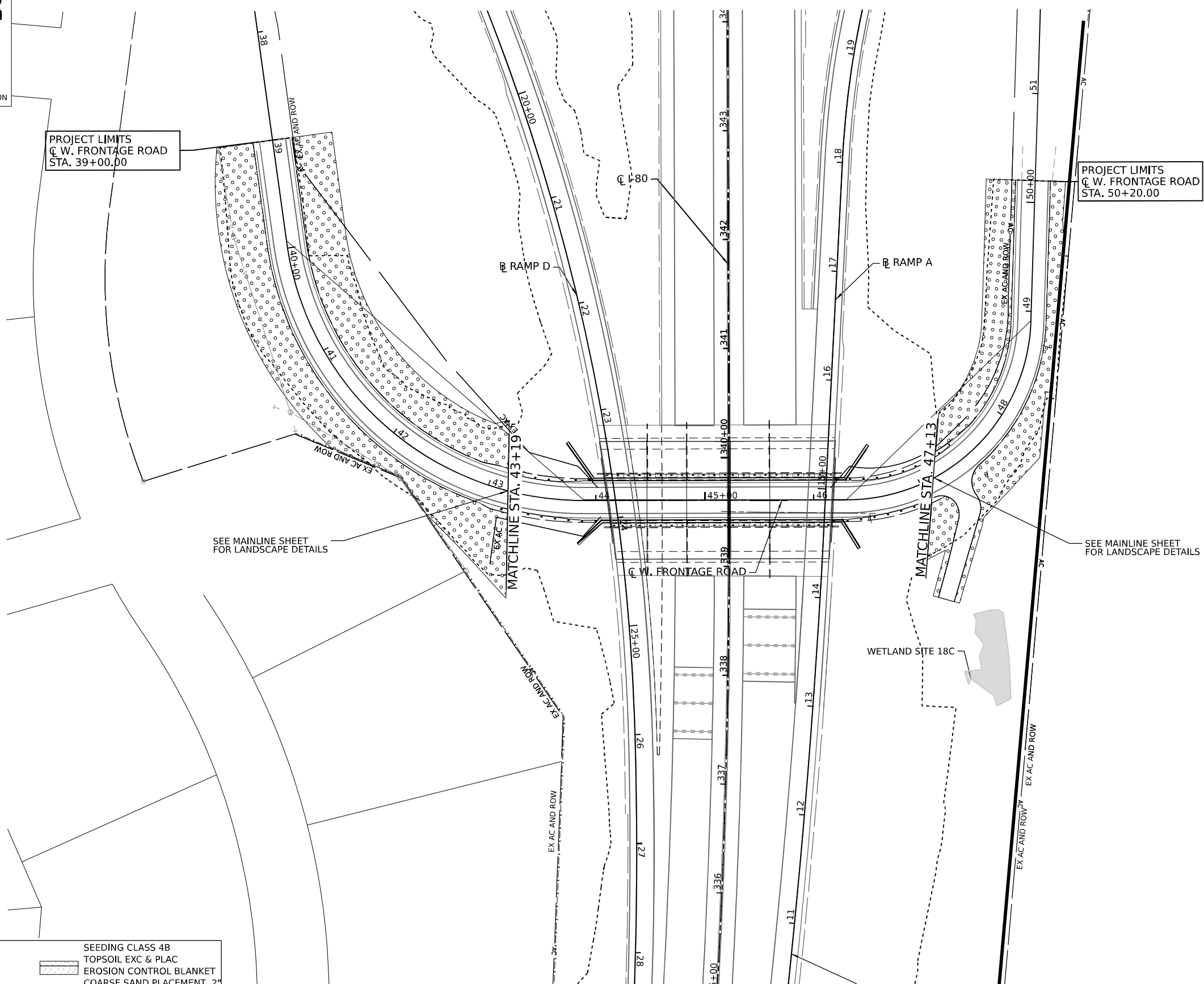
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	426
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



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

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

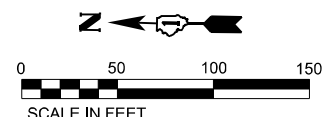


SEE MAINLINE SHEET
 FOR LANDSCAPE DETAILS

SEE MAINLINE SHEET
 FOR LANDSCAPE DETAILS

LEGEND

- SEEDING CLASS 2A
- SEEDING CLASS 4
- SEEDING CLASS 1B
- SEEDING CLASS 4B
- EROSION CONTROL BLANKET
- EROSION CONTROL BLANKET
- EROSION CONTROL BLANKET
- EROSION CONTROL BLANKET
- CHAIN LINK FENCE, 4'
- TOPSOIL EXC & PLAC
- TOPSOIL EXC & PLAC
- TOPSOIL EXC & PLAC
- TOPSOIL EXC & PLAC
- EROSION CONTROL BLANKET
- EROSION CONTROL BLANKET
- EROSION CONTROL BLANKET
- EROSION CONTROL BLANKET
- COARSE SAND PLACEMENT, 2"



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	DATE -	REVISED -

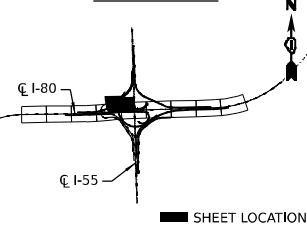
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLAN
 W. FRONTAGE ROAD**

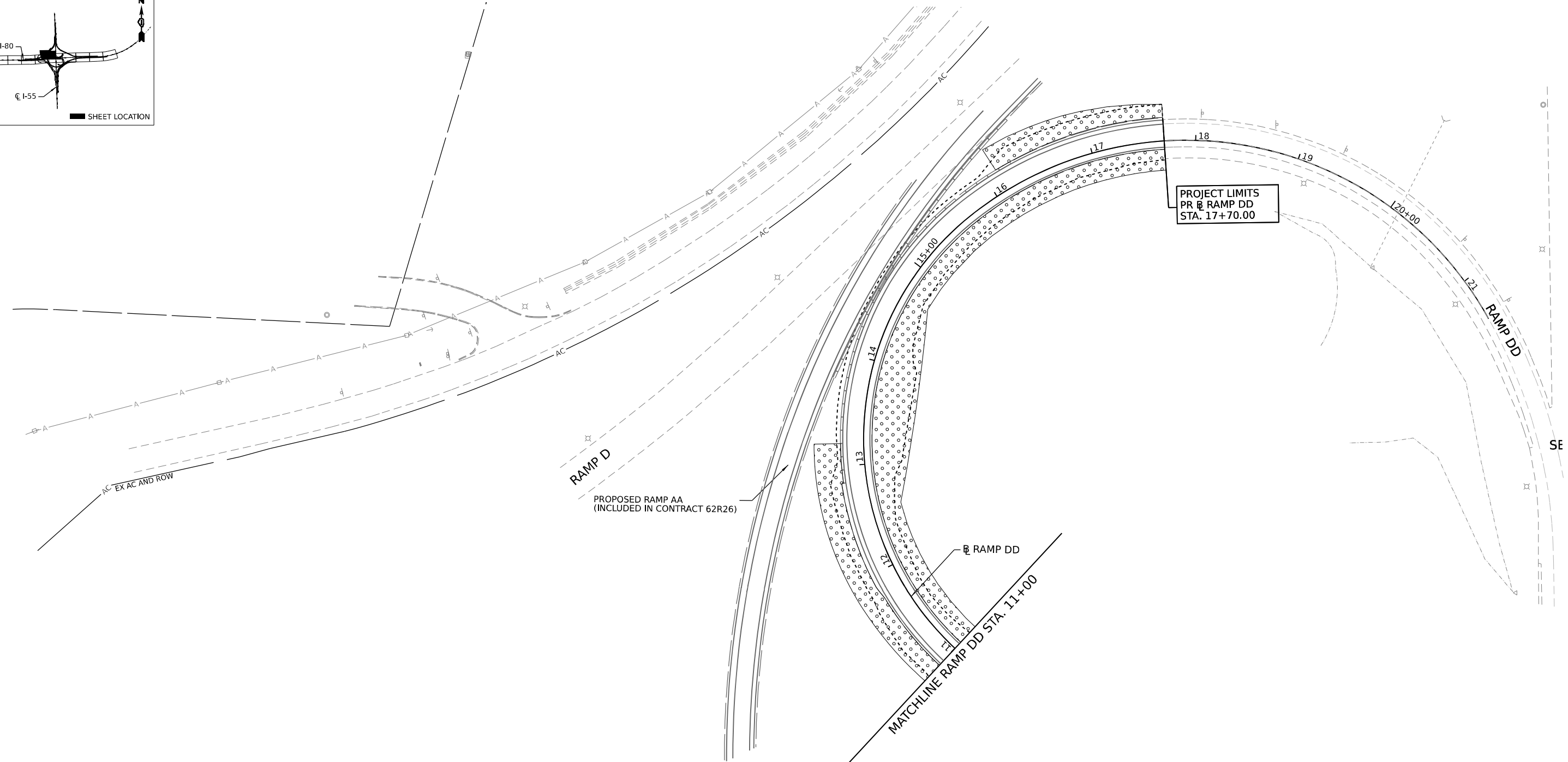
SCALE: SHEET 10 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	427
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN

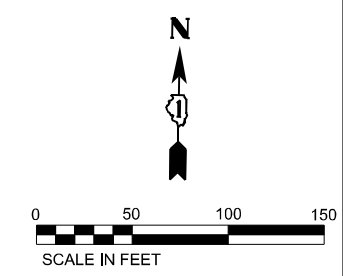


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LEGEND

	SEEDING CLASS 2A TOPSOIL EXC & PLAC EROSION CONTROL BLANKET		SEEDING CLASS 4B TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
	SEEDING CLASS 4 TOPSOIL EXC & PLAC EROSION CONTROL BLANKET		SEEDING CLASS 1B TOPSOIL EXC & PLAC EROSION CONTROL BLANKET
	CHAIN LINK FENCE, 4'		



USER NAME = dbook	DESIGNED -	REVISED -
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	DATE -	REVISED -

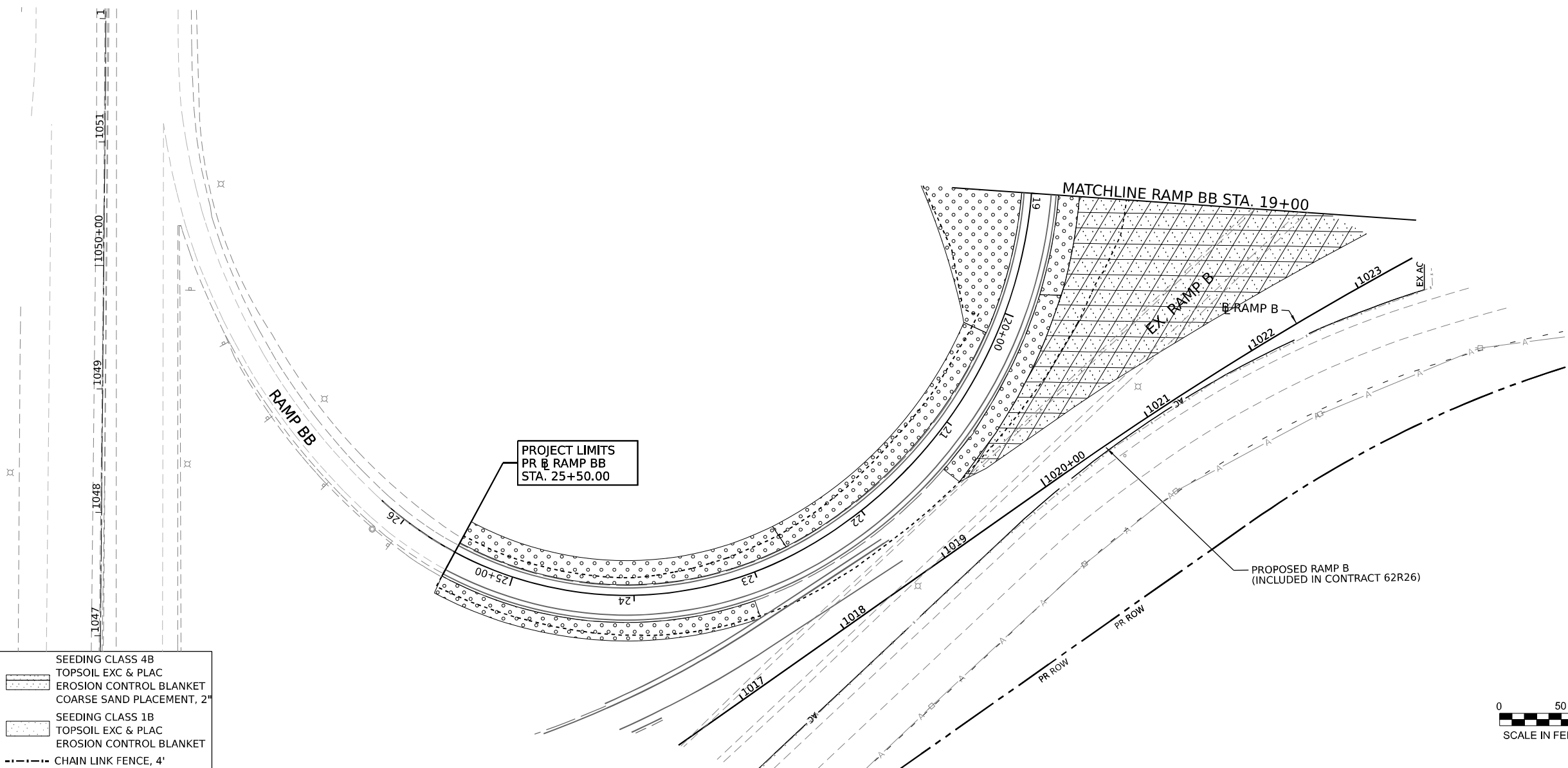
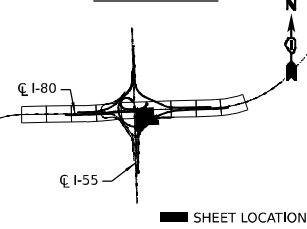
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLAN
RAMP DD**

SCALE: SHEET 11 OF 13 SHEETS STA. TO STA.

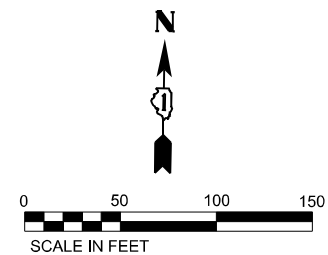
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	428
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



LEGEND

- SEEDING CLASS 2A
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET
- SEEDING CLASS 4
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET
- SEEDING CLASS 4B
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET
COARSE SAND PLACEMENT, 2"
- SEEDING CLASS 1B
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET
- CHAIN LINK FENCE, 4'



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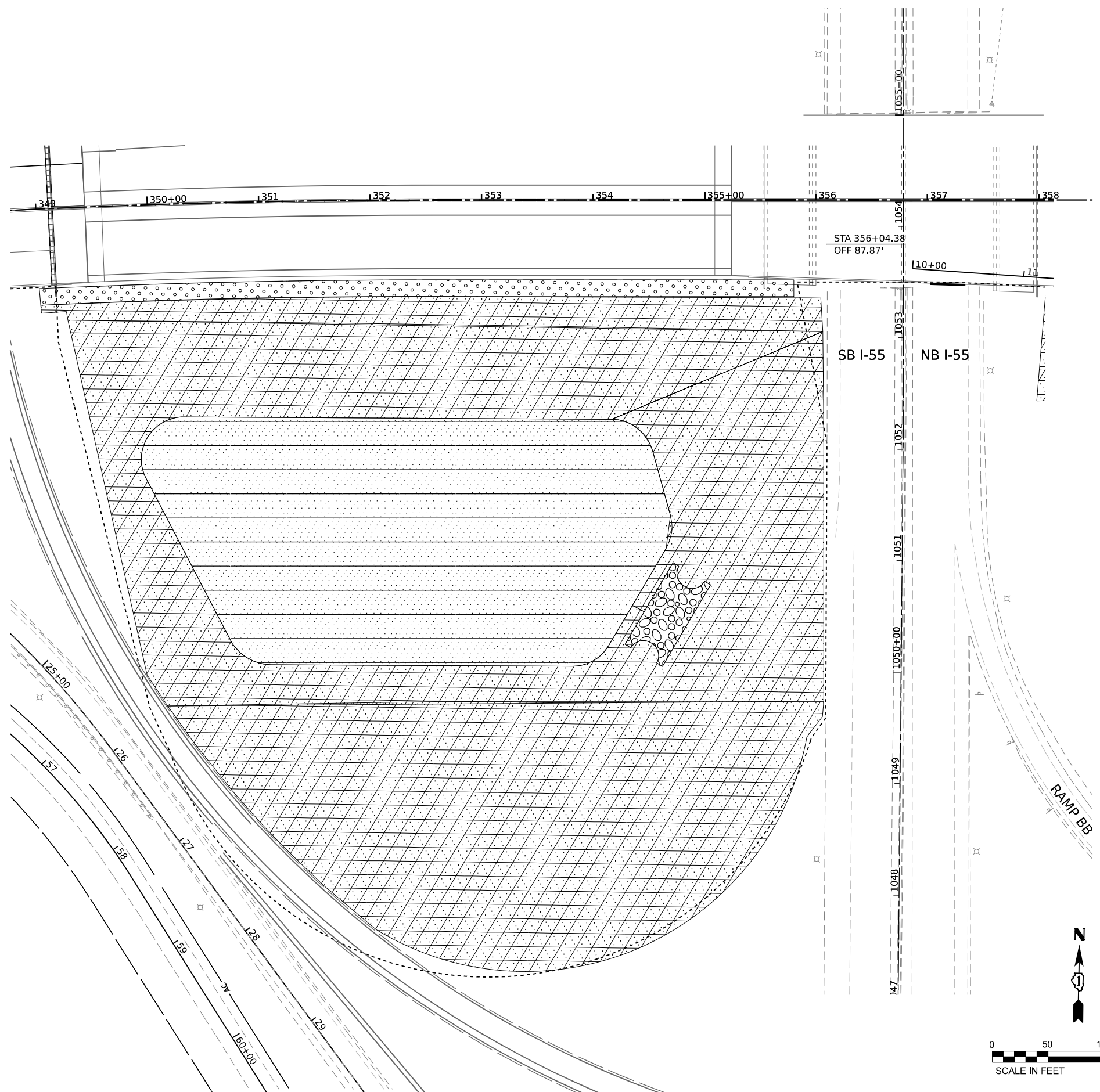
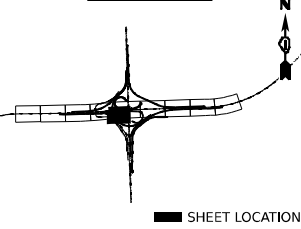
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PLOT DATE = 8/10/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLAN RAMP BB			
SCALE:	SHEET 12 OF 13 SHEETS	STA.	TO STA.

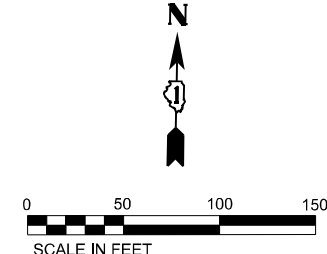
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	429
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



LEGEND

- SEEDING CLASS 2A
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET
- SEEDING CLASS 4
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET
- SEEDING CLASS 4B
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET
COARSE SAND PLACEMENT, 2"
- SEEDING CLASS 1B
TOPSOIL EXC & PLAC
EROSION CONTROL BLANKET
- CHAIN LINK FENCE, 4'



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PLOT DATE	= 8/10/2023

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DATE	-

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REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLAN
DETENTION BASIN**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	430
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

ITEM	UNIT	IDOT QUANTITY	TROY TWSP QUANTITY	TOTAL QUANTITY
ROCK EXCAVATION FOR STRUCTURES	CU YD	5	-	5
ELECTRIC SERVICE INSTALLATION	EACH	1	1	2
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	-	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	230	100	330
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	1,575	260	1,835
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	1,240	260	1,500
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	20	10	30
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	2,235	-	2,235
CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	9,265	-	9,265
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	20	5	25
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	10	5	15
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 6"	EACH	4	-	4
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2	1	3
UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	-	1075	1,075
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	12,310	-	12,310
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4,700	930	5,630
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	12,280	-	12,280
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	36,840	330	37,170
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350MCM	FOOT	720	-	720
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	4,545	-	4,545
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	-	4	4
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	116	-	116
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I	EACH	98	-	98
LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E	EACH	20	5	25
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	-	1	1
LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. MAST ARM	EACH	-	4	4
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	31	-	31
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-6 FT. MAST ARMS	EACH	49	-	49
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	19	-	19
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	279	36	315
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	31	4	35
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	30	-	30
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	72	-	72
REMOVAL OF POLE FOUNDATION	EACH	72	-	72
REMOVE TEMPORARY WOOD POLE	EACH	7	-	7
TEMPORARY WOOD POLE, 50 FT., CLASS 4	EACH	5	-	5
REMOVAL OF LUMINAIRE, SALVAGE	EACH	85	-	85
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL), RADIO SCADA, FIBER OPTIC	EACH	1	-	1
JUNCTION BOX EMBEDDED IN STRUCTURE, SPECIAL	EACH	1	-	1
TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	19	-	19
LIGHT POLE FOUNDATION, INTEGRAL WITH BARRIER WALL	EACH	41	-	41
LIGHT POLE FOUNDATION, INTEGRAL WITH BARRIER WALL, 24" DIAMETER	FOOT	369	-	369
REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE	EACH	8	-	8
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	214	4	218
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	32	-	32

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



USER NAME = vgruskas	DESIGNED - VG	REVISED -
PLOT SCALE = 0.167' / in.	DRAWN - VN/MAG	REVISED -
PLOT DATE = 8/8/2023	CHECKED - RP	REVISED -
	DATE - 08/11/2023	REVISED -

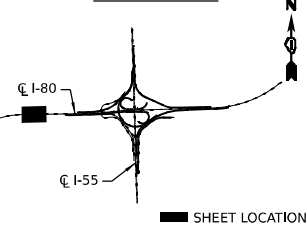
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITES

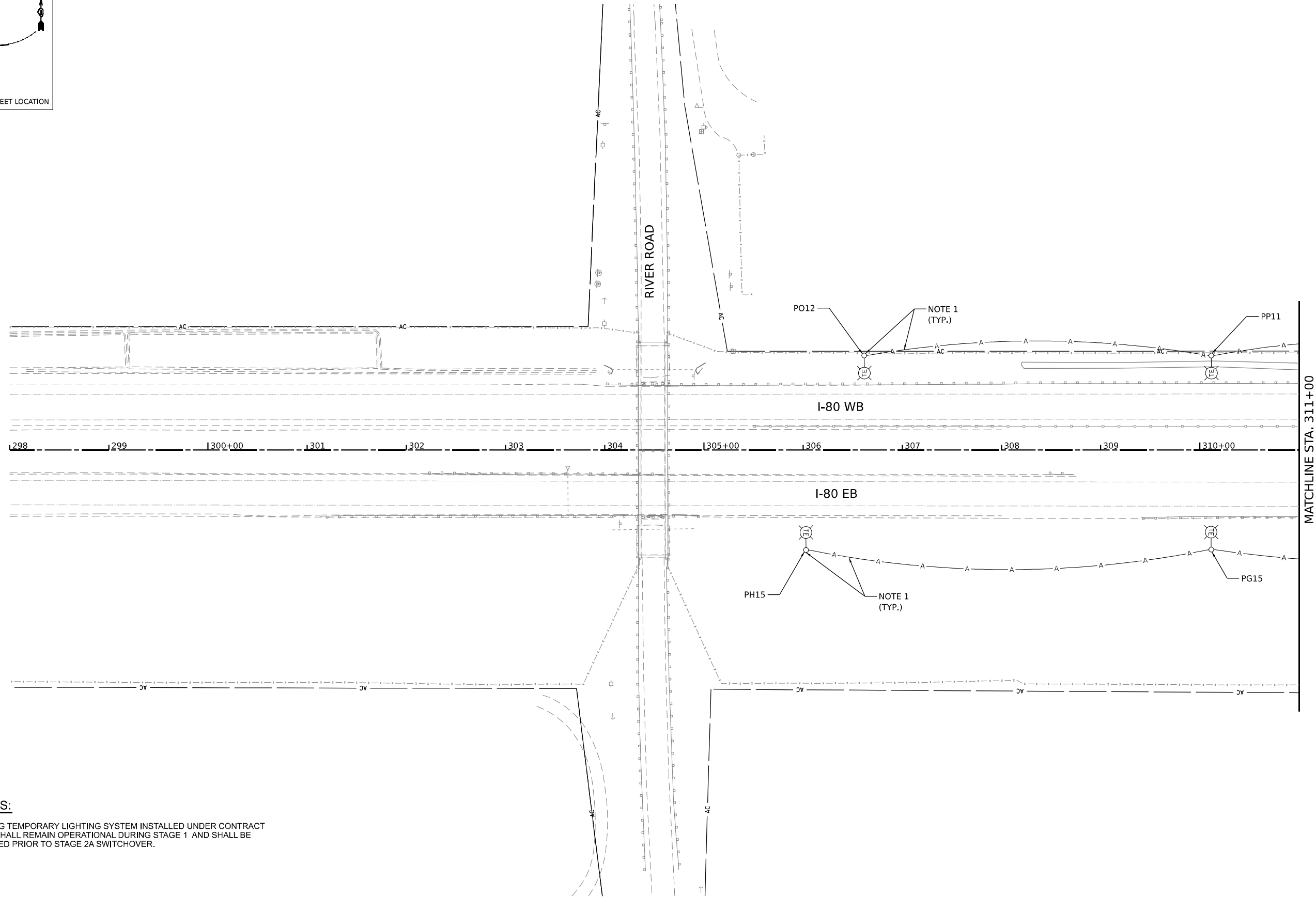
SCALE: SHEET 2 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	432
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN

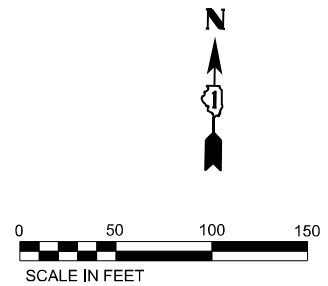


SHEET LOCATION



NOTES:

- EXISTING TEMPORARY LIGHTING SYSTEM INSTALLED UNDER CONTRACT 62N31 SHALL REMAIN OPERATIONAL DURING STAGE 1 AND SHALL BE REMOVED PRIOR TO STAGE 2A SWITCHOVER.



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



USER NAME = vgruskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	REVISIONS -	
PLOT SCALE = 100,000' / in.	CHECKED - RP	REVISED -
PLOT DATE = 8/8/2023	DATE - 08/11/2023	REVISED -

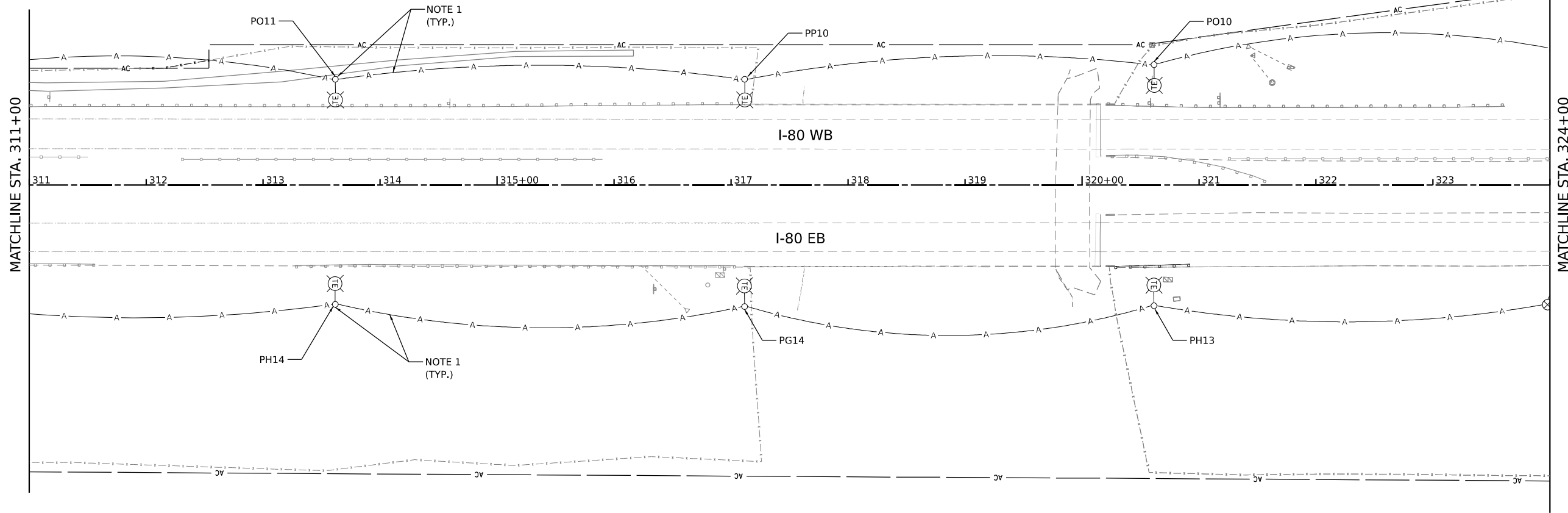
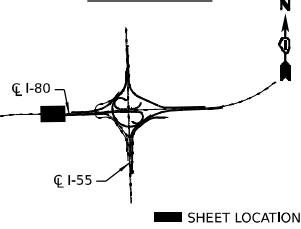
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 3 OF 47 SHEETS STA. TO STA.

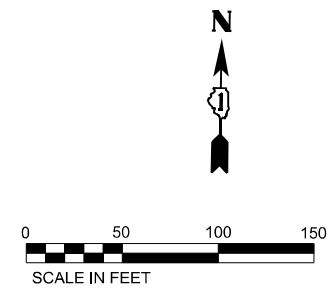
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	433
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



NOTES:

1. EXISTING TEMPORARY LIGHTING SYSTEM INSTALLED UNDER CONTRACT 62N31 SHALL REMAIN OPERATIONAL DURING STAGE 1 AND SHALL BE REMOVED PRIOR TO STAGE 2A SWITCHOVER.



MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 08/11/2023



USER NAME = vjguskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	REVISIONS -	
PLOT SCALE = 100,000' / in.	CHECKED - RP	REVISED -
PLOT DATE = 8/8/2023	DATE - 08/11/2023	REVISED -

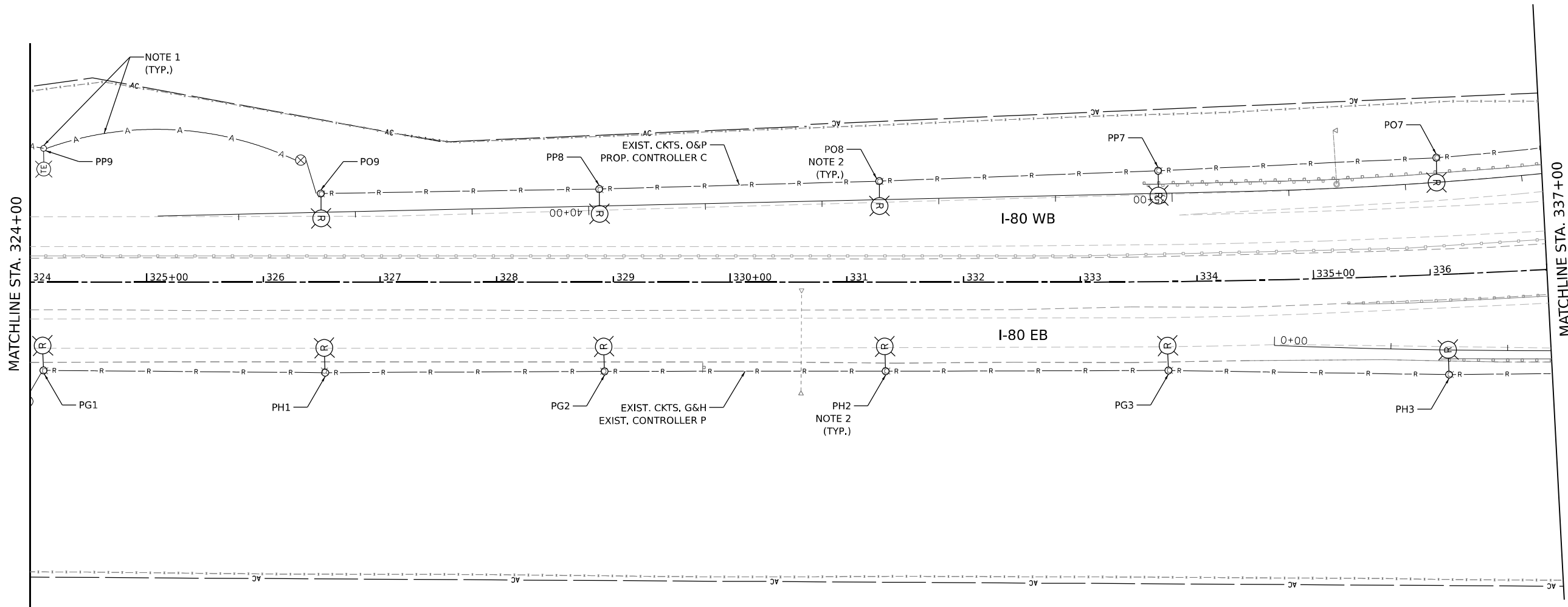
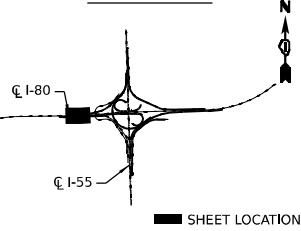
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 4 OF 47 SHEETS STA. TO STA.

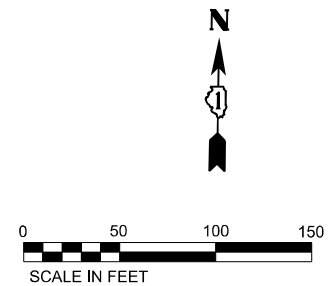
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	434
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



NOTES:

1. EXISTING TEMPORARY LIGHTING SYSTEM INSTALLED UNDER CONTRACT 62N31 SHALL REMAIN OPERATIONAL DURING STAGE 1 AND SHALL BE REMOVED PRIOR TO STAGE 2A SWITCHOVER.
2. EXISTING LIGHTING CIRCUITS SHALL REMAIN OPERATIONAL DURING STAGE 1 AND SHALL BE REMOVED PRIOR TO STAGE 2A SWITCHOVER.
3. PROPOSED MEDIAN LIGHT POLES AND ASSOCIATED CONDUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO STAGE 2A SWITCHOVER.



MODEL: D:\data\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 08/11/2023



USER NAME = vjgurskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	CHECKED - RP	REVISED -
PLOT SCALE = 100,000' / in.	DATE - 08/11/2023	REVISED -
PLOT DATE = 8/8/2023		

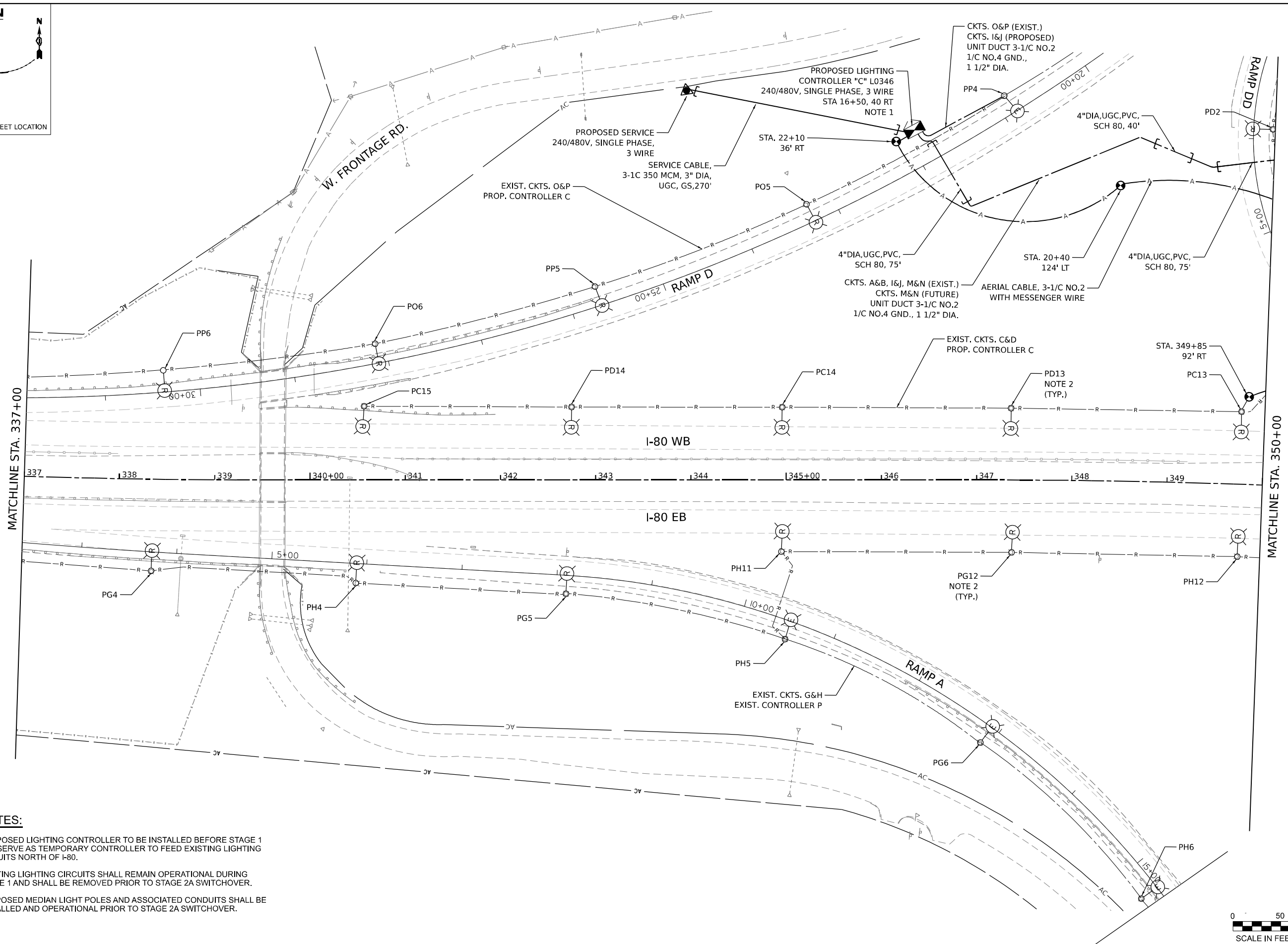
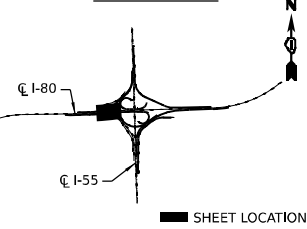
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 5 OF 47 SHEETS STA. TO STA.

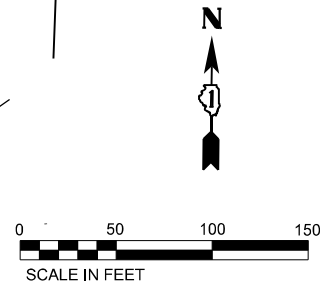
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	435
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



NOTES:

1. PROPOSED LIGHTING CONTROLLER TO BE INSTALLED BEFORE STAGE 1 AND SERVE AS TEMPORARY CONTROLLER TO FEED EXISTING LIGHTING CIRCUITS NORTH OF I-80.
2. EXISTING LIGHTING CIRCUITS SHALL REMAIN OPERATIONAL DURING STAGE 1 AND SHALL BE REMOVED PRIOR TO STAGE 2A SWITCHOVER.
3. PROPOSED MEDIAN LIGHT POLES AND ASSOCIATED CONDUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO STAGE 2A SWITCHOVER.



MODEL: D:\info\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 08/11/2023



USER NAME = vjguskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	CHECKED - RP	REVISED -
PLOT SCALE = 100,000' / in.	DATE - 08/11/2023	REVISED -
PLOT DATE = 8/8/2023		

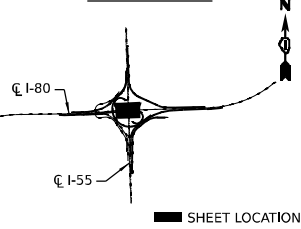
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN
I-80**

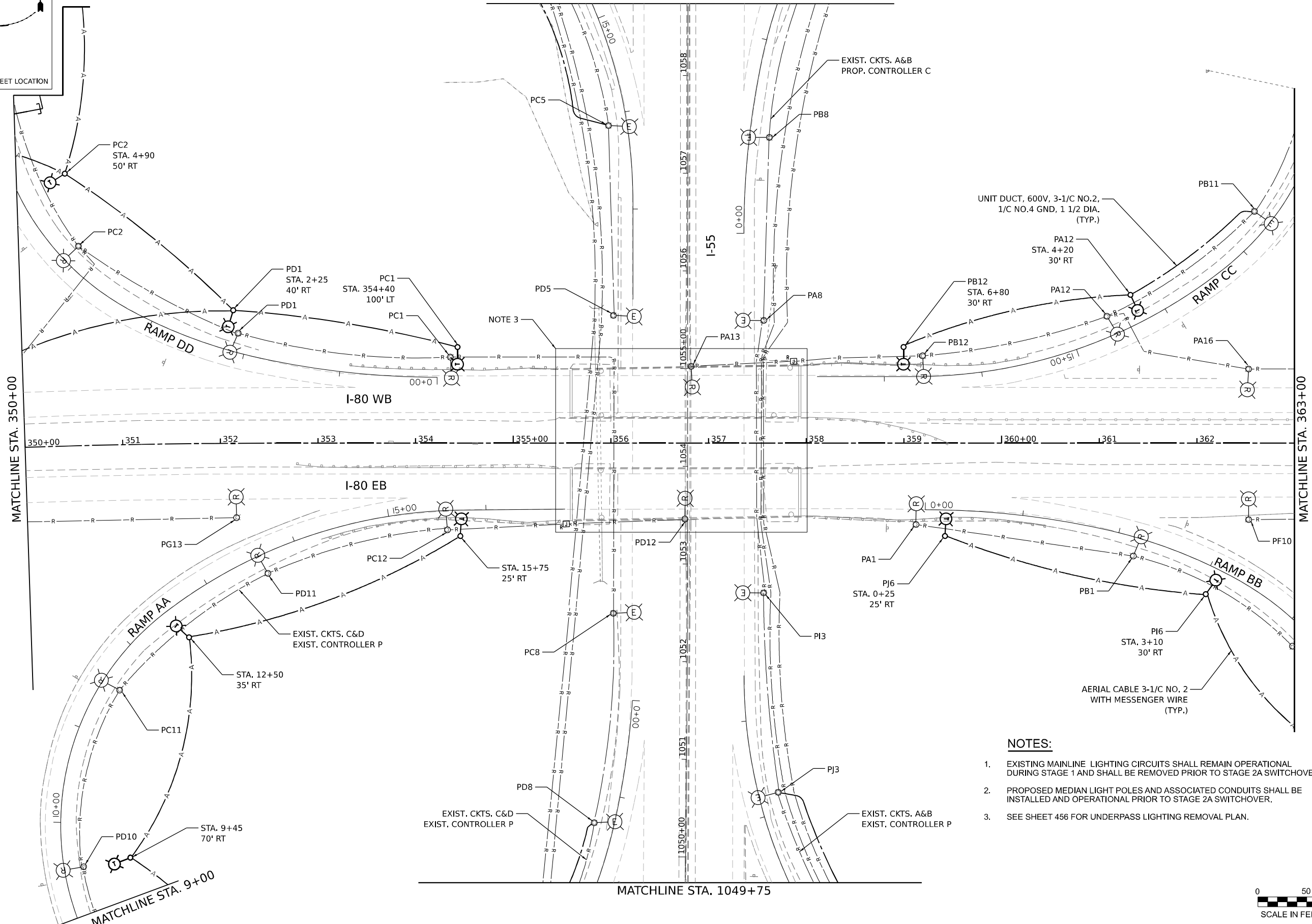
SCALE: 1:50 SHEET 6 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	436
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



MATCHLINE STA. 1058+75



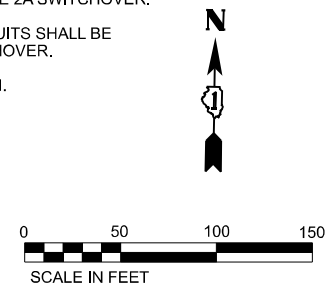
MATCHLINE STA. 350+00

MATCHLINE STA. 363+00

MATCHLINE STA. 1049+75

MATCHLINE STA. 9+00

- NOTES:**
- EXISTING MAINLINE LIGHTING CIRCUITS SHALL REMAIN OPERATIONAL DURING STAGE 1 AND SHALL BE REMOVED PRIOR TO STAGE 2A SWITCHOVER.
 - PROPOSED MEDIAN LIGHT POLES AND ASSOCIATED CONDUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO STAGE 2A SWITCHOVER.
 - SEE SHEET 456 FOR UNDERPASS LIGHTING REMOVAL PLAN.



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



USER NAME = vjgurskas	DESIGNED - VG	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN - VN/MAG	REVISED -
PLOT DATE = 8/8/2023	CHECKED - RP	REVISED -
	DATE - 08/11/2023	REVISED -

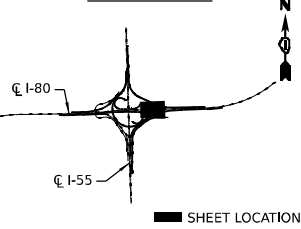
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 7 OF 47 SHEETS STA. TO STA.

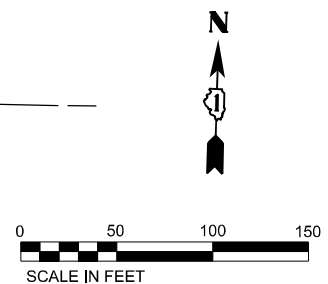
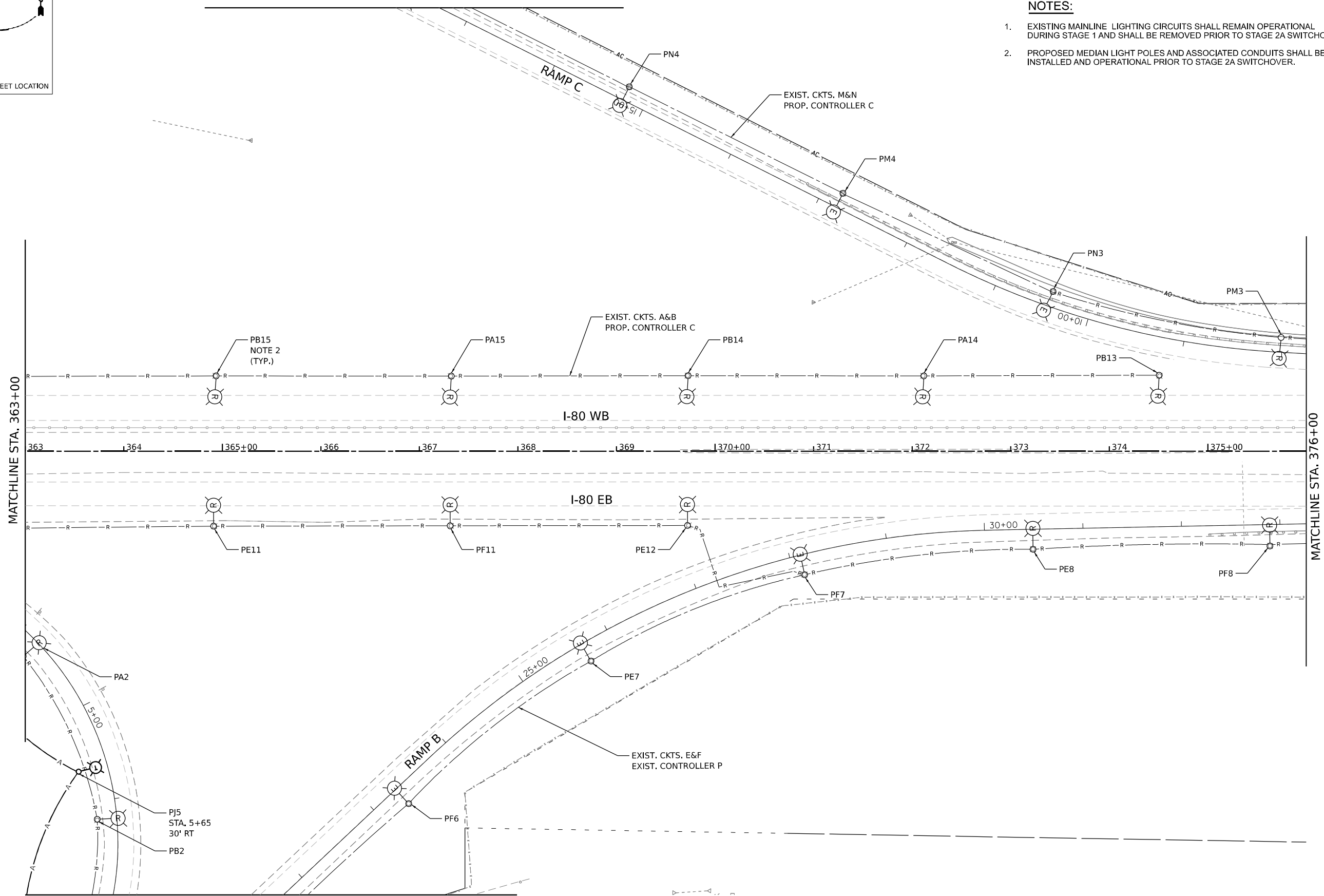
F.A.I. RTE. 80	SECTION FAI 80 21 INTERCHANGE	COUNTY WILL	TOTAL SHEETS 1059	SHEET NO. 437
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R28	

KEY PLAN



NOTES:

- EXISTING MAINLINE LIGHTING CIRCUITS SHALL REMAIN OPERATIONAL DURING STAGE 1 AND SHALL BE REMOVED PRIOR TO STAGE 2A SWITCHOVER.
- PROPOSED MEDIAN LIGHT POLES AND ASSOCIATED CONDUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO STAGE 2A SWITCHOVER.



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



USER NAME = vjgurskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	REVISIONS -	
PLOT SCALE = 100,000' / in.	CHECKED - RP	REVISED -
PLOT DATE = 8/8/2023	DATE - 08/11/2023	REVISED -

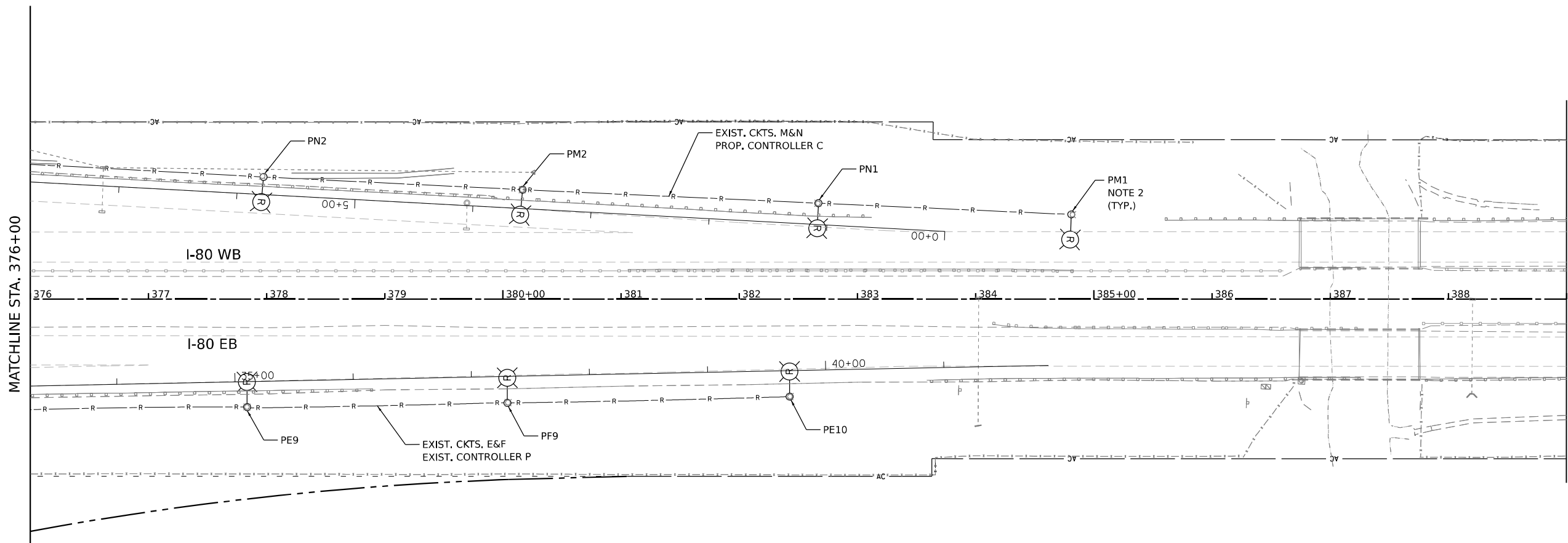
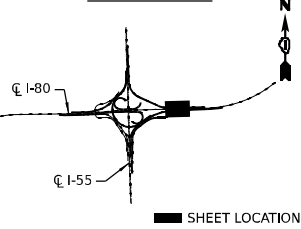
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 8 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	438
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



NOTES:

1. EXISTING MAINLINE LIGHTING CIRCUITS SHALL REMAIN OPERATIONAL DURING STAGE 1 AND SHALL BE REMOVED PRIOR TO STAGE 2A SWITCHOVER.
2. PROPOSED MEDIAN LIGHT POLES AND ASSOCIATED CONDUITS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO STAGE 2A SWITCHOVER.



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



USER NAME = vgruskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	CHECKED - RP	REVISED -
PLOT SCALE = 100,000' / in.	DATE - 08/11/2023	REVISED -
PLOT DATE = 8/8/2023		

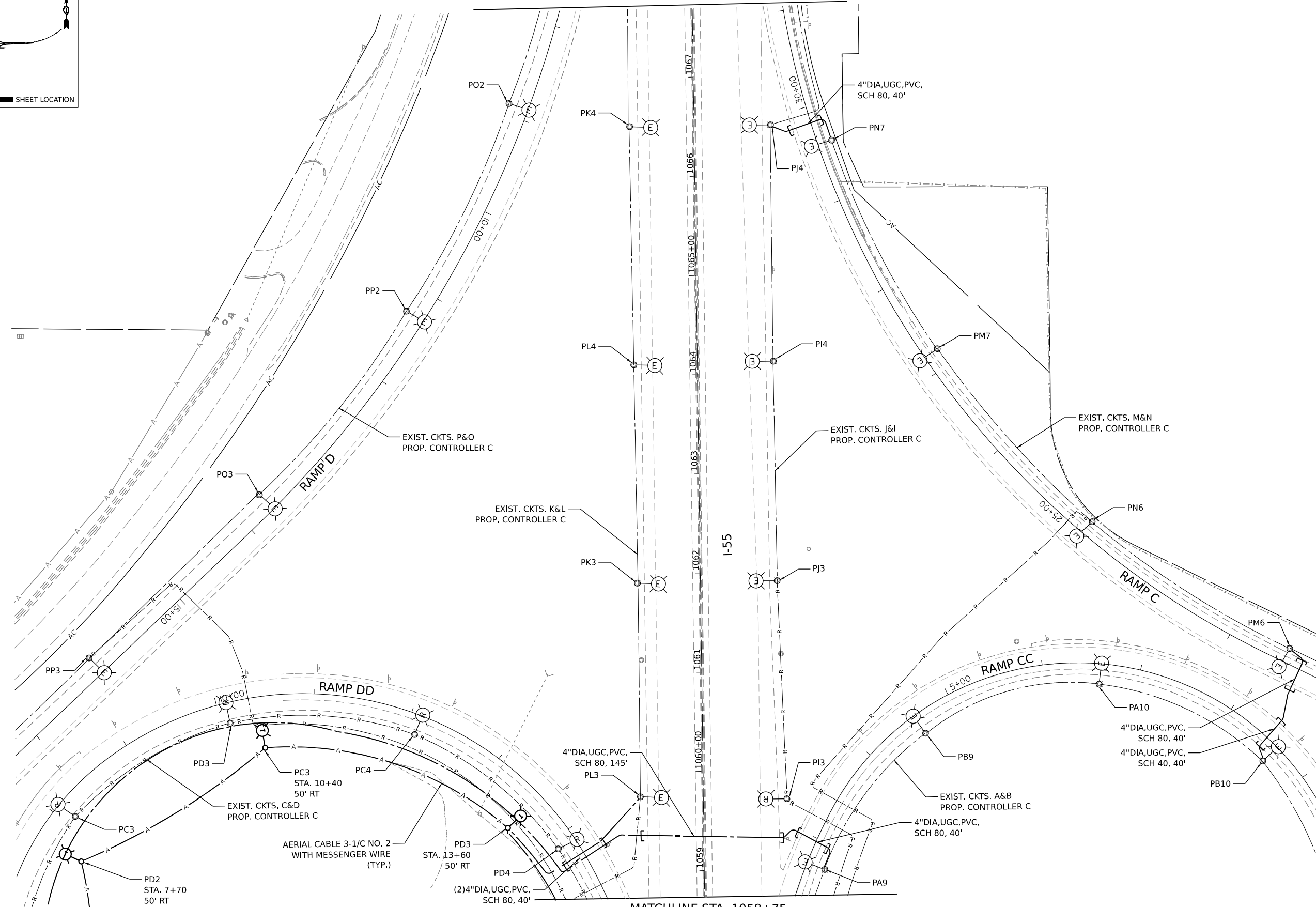
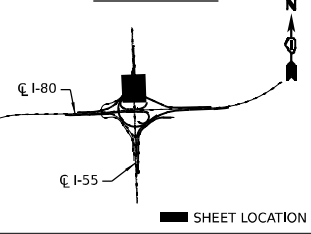
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN
I-80**

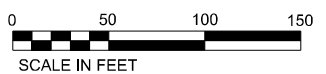
SCALE: 1:50 SHEET 9 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	439
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



MATCHLINE STA. 1058+75



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



USER NAME = vjgurskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	CHECKED - RP	REVISED -
PLOT SCALE = 100,000' / in.	DATE - 08/11/2023	REVISED -
PLOT DATE = 8/8/2023		

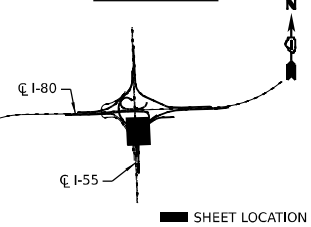
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 10 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	440
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

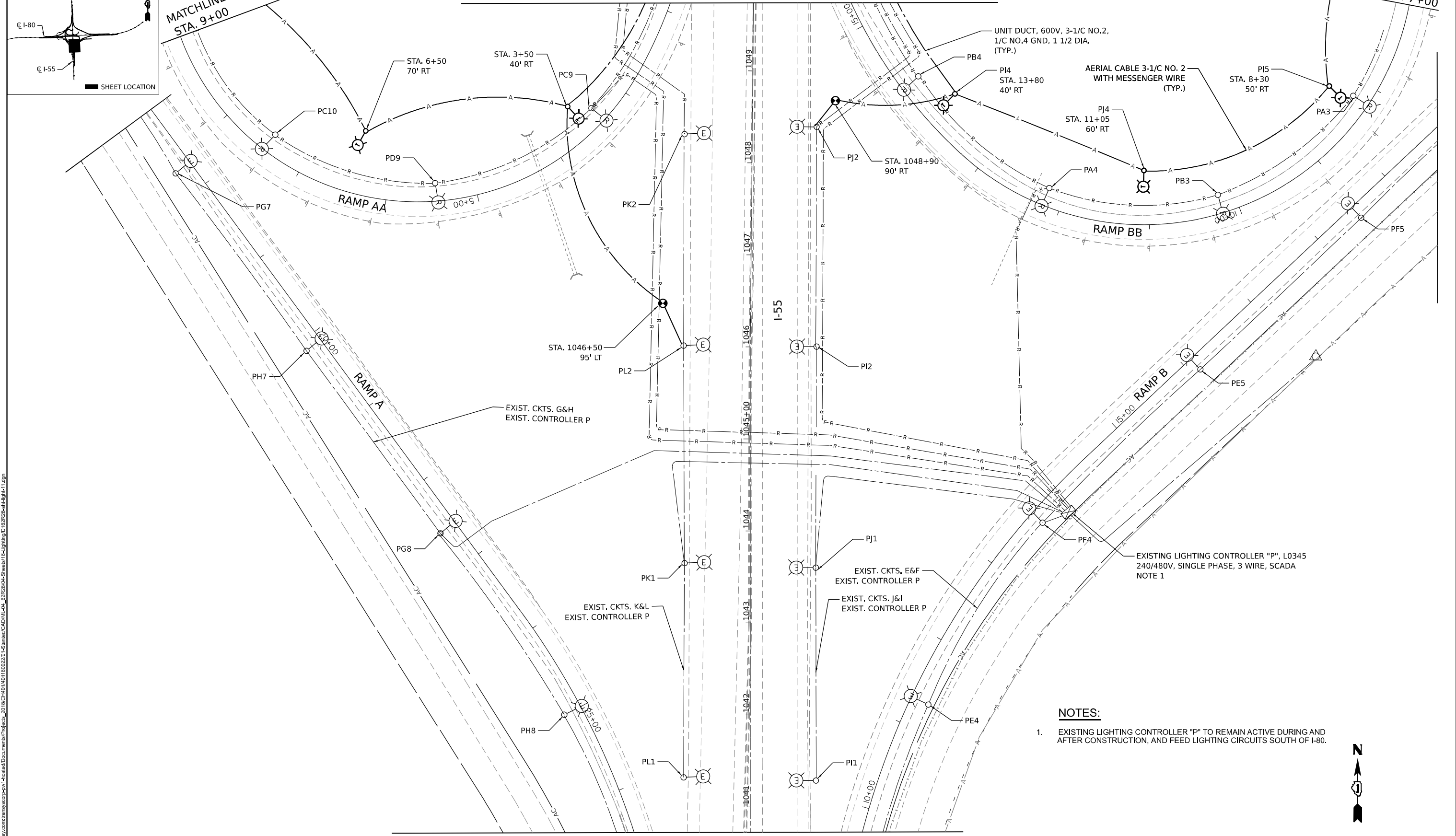
KEY PLAN



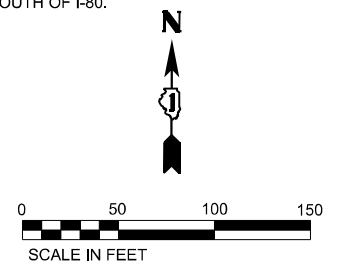
MATCHLINE STA. 9+00

MATCHLINE STA. 1049+75

MATCHLINE STA. 7+00



- NOTES:**
- EXISTING LIGHTING CONTROLLER "P" TO REMAIN ACTIVE DURING AND AFTER CONSTRUCTION, AND FEED LIGHTING CIRCUITS SOUTH OF I-80.



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



USER NAME = vgruskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	REVISIONS -	
PLOT SCALE = 100,000' / in.	CHECKED - RP	REVISIONS -
PLOT DATE = 8/8/2023	DATE - 08/11/2023	REVISIONS -

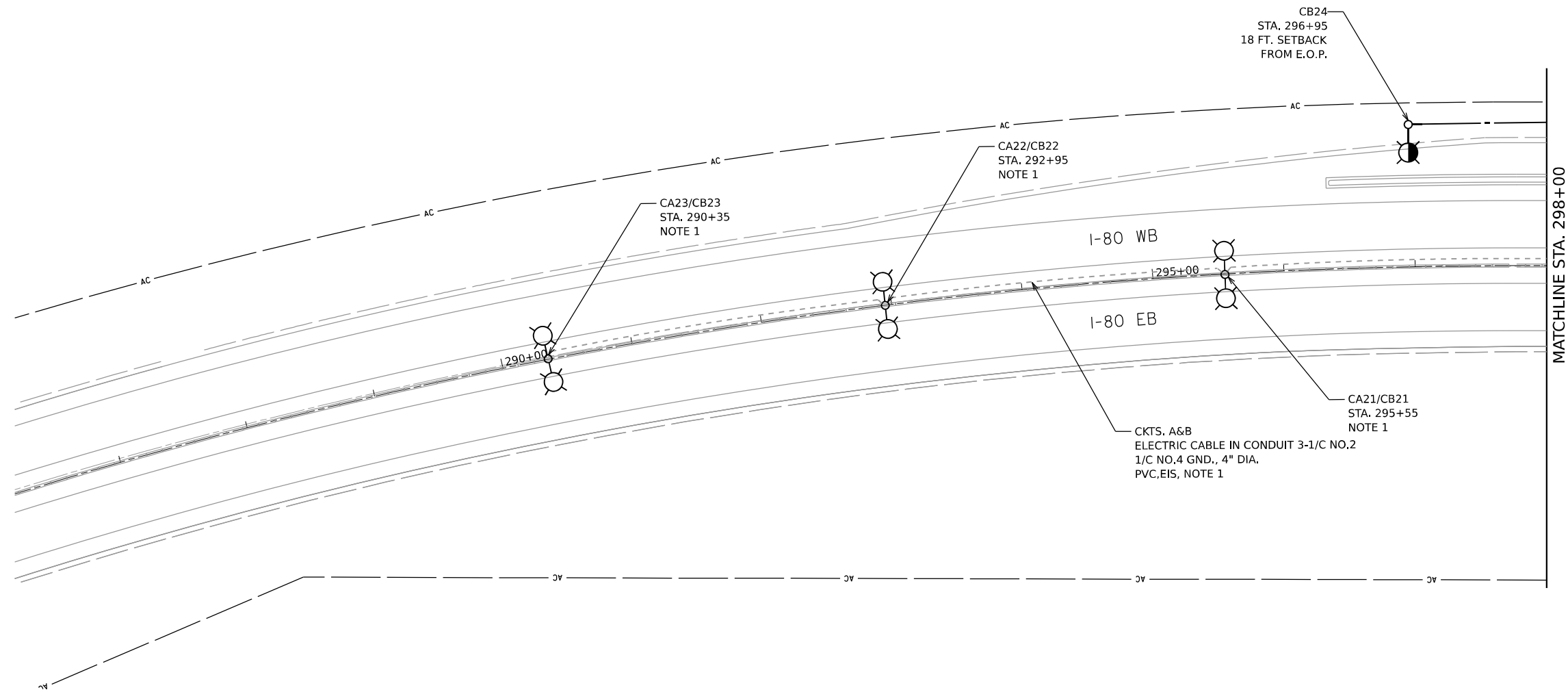
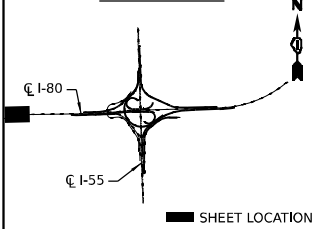
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING REMOVAL AND TEMPORARY LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 11 OF 47 SHEETS STA. TO STA.

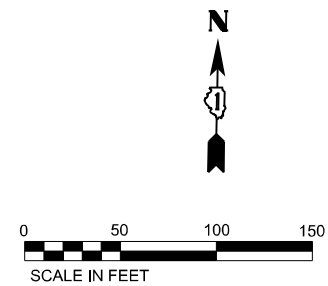
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	441
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



NOTES:

- 1. MEDIAN FOUNDATIONS, JUNCTION BOXES AND EMBEDDED CONDUIT INSTALLED UNDER PREVIOUS CONTRACT 62P71.



USER NAME = vjgurskas	DESIGNED - VG	REVISED -
	DRAWN - VN/MAG	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - RP	REVISED -
PLOT DATE = 8/8/2023	DATE - 08/11/2023	REVISED -

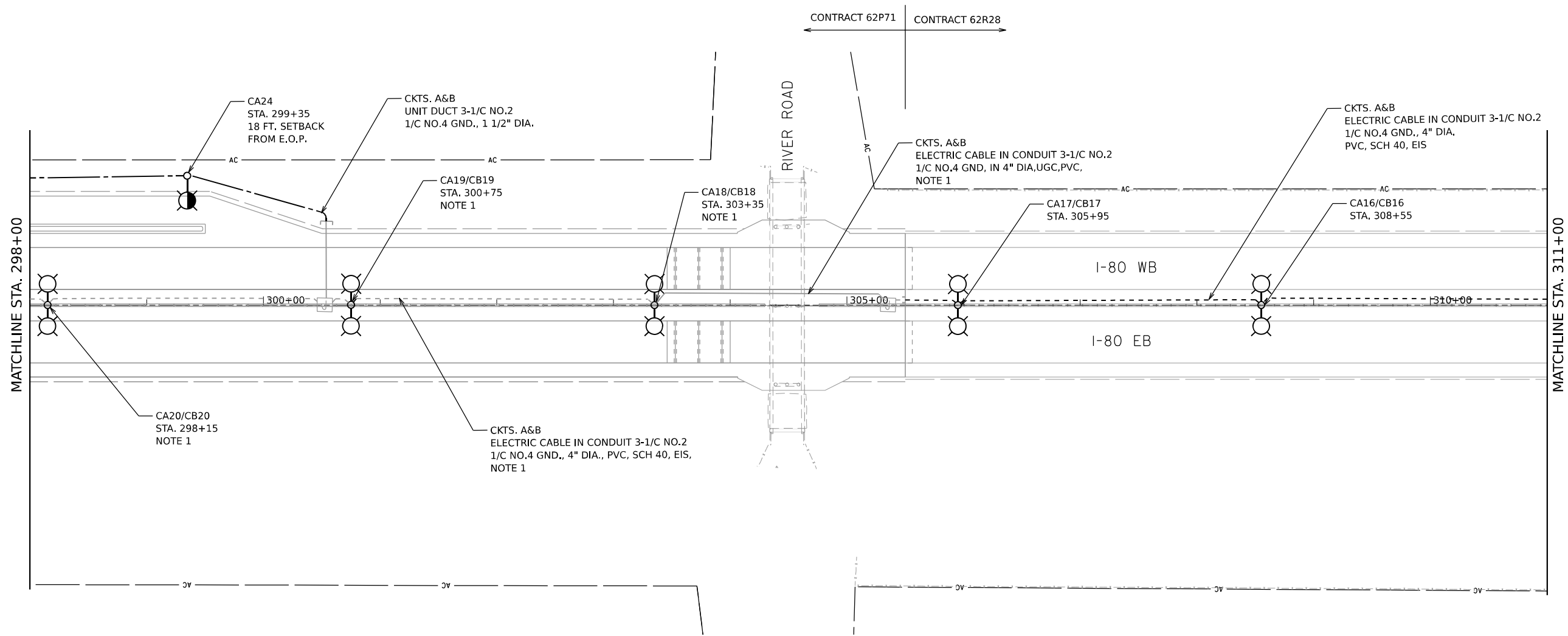
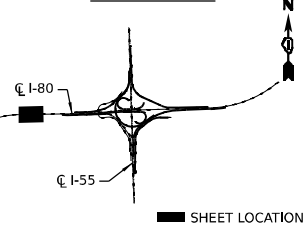
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 12 OF 47 SHEETS STA. TO STA.

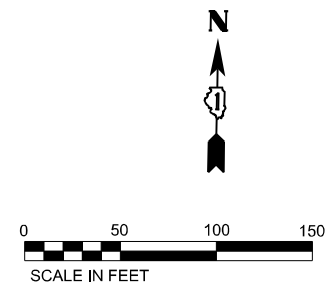
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	442
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



NOTES:

1. MEDIAN FOUNDATIONS, JUNCTION BOXES AND EMBEDDED CONDUIT INSTALLED UNDER PREVIOUS CONTRACT 62P71.



USER NAME = vjgurskas	DESIGNED - VG	REVISED -
	DRAWN - VN/MAG	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - RP	REVISED -
PLOT DATE = 8/8/2023	DATE - 08/11/2023	REVISED -

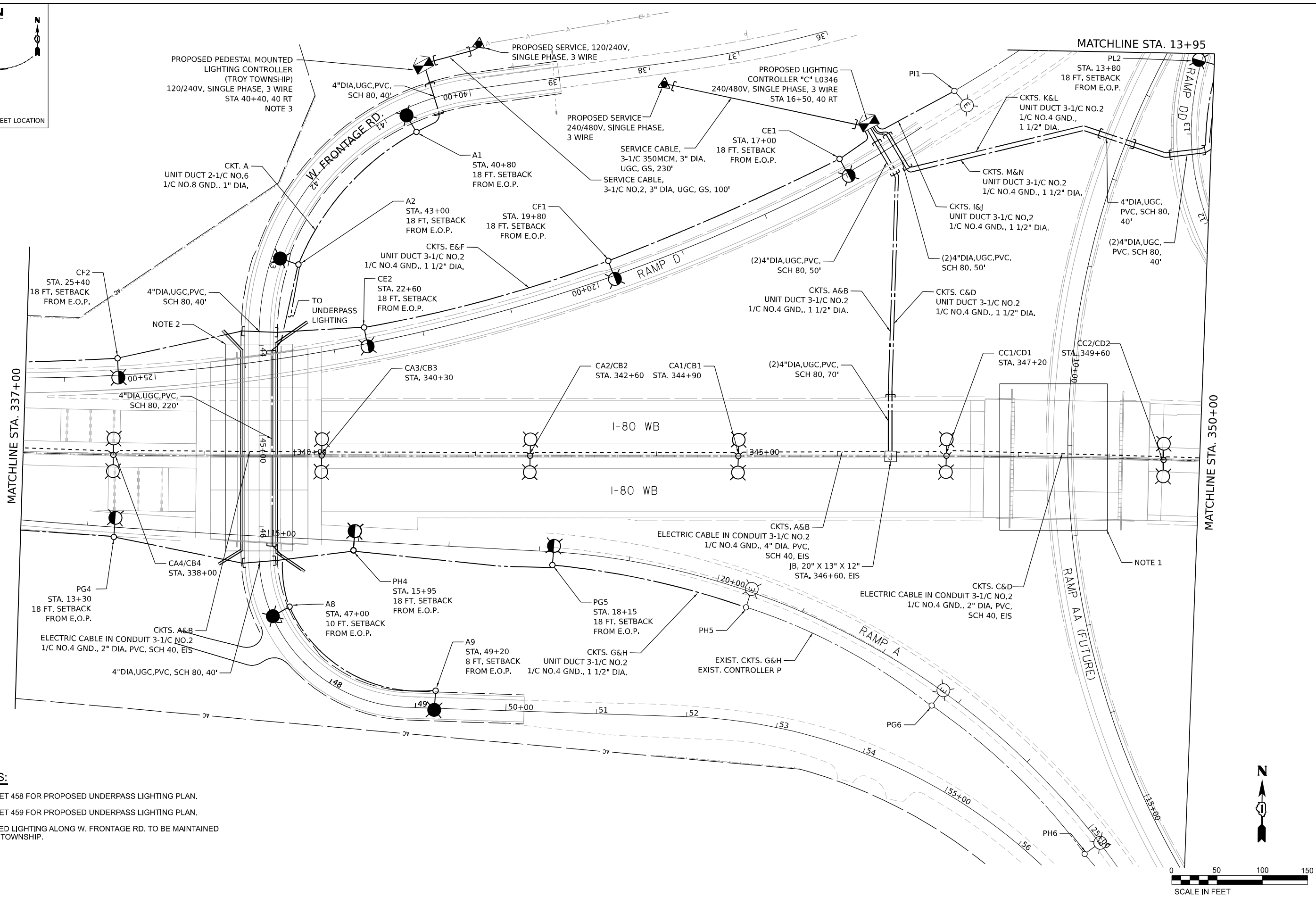
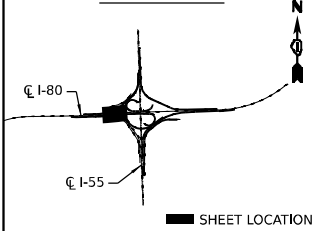
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 13 OF 47 SHEETS STA. TO STA.

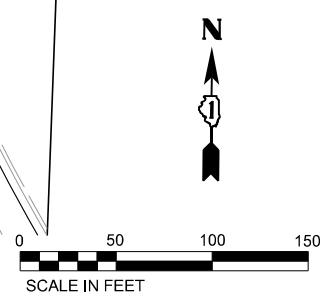
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	443
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



NOTES:

- SEE SHEET 458 FOR PROPOSED UNDERPASS LIGHTING PLAN.
- SEE SHEET 459 FOR PROPOSED UNDERPASS LIGHTING PLAN.
- PROPOSED LIGHTING ALONG W. FRONTAGE RD. TO BE MAINTAINED BY TROY TOWNSHIP.



USER NAME = vjguskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	REVISED -	
PLOT SCALE = 100,000' / in.	CHECKED - RP	REVISED -
PLOT DATE = 8/8/2023	DATE - 08/11/2023	REVISED -

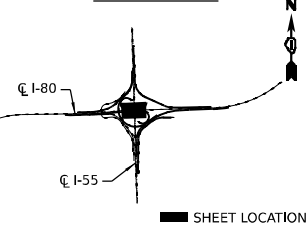
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-80**

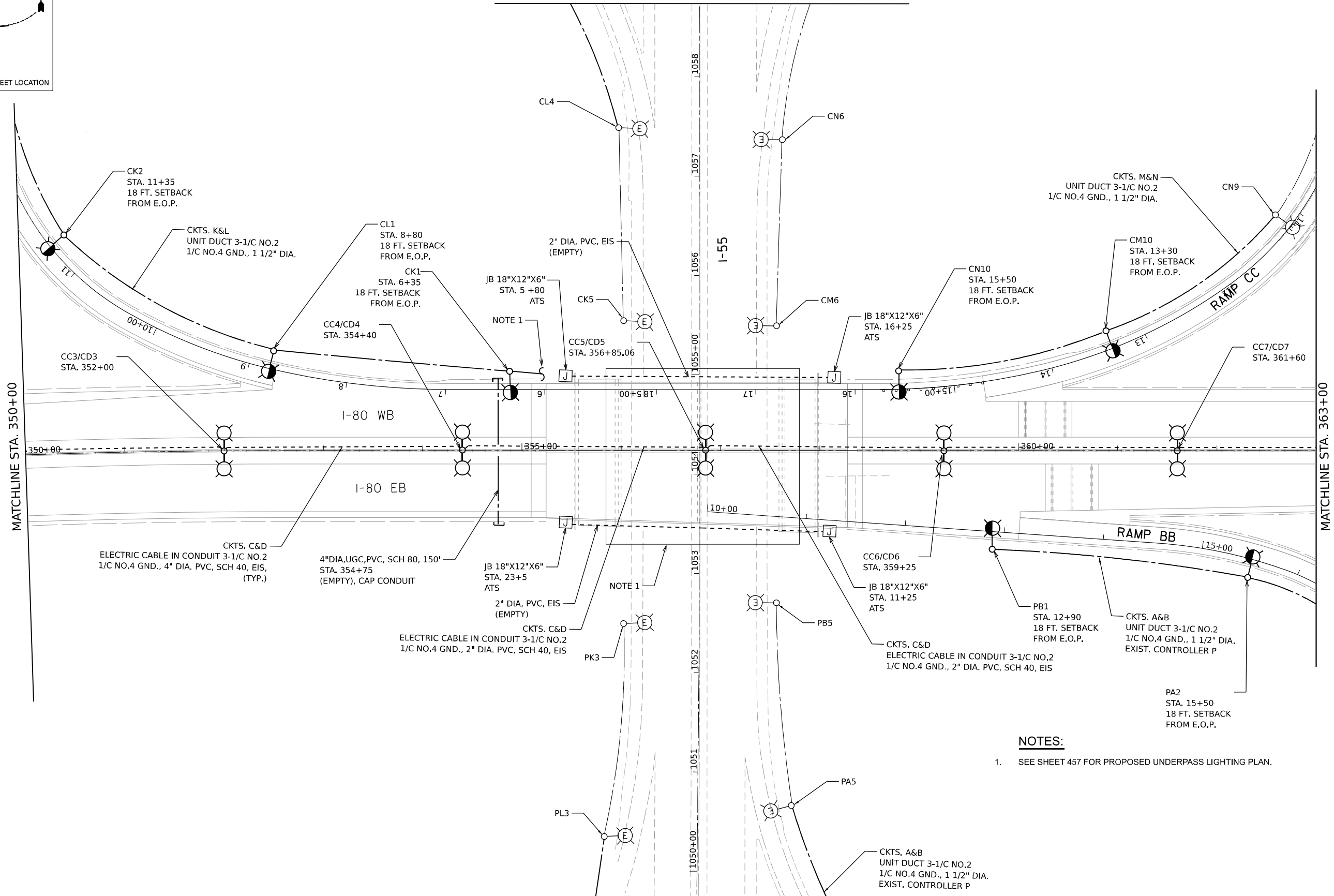
SCALE: 1:50 SHEET 16 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	446
CONTRACT NO. 62R28				
ILLINOIS		FED. AID PROJECT		

KEY PLAN



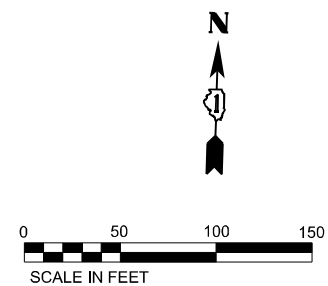
MATCHLINE STA. 1058+75



MATCHLINE STA. 1049+75

NOTES:

- 1. SEE SHEET 457 FOR PROPOSED UNDERPASS LIGHTING PLAN.



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



USER NAME = vjgurskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	CHECKED - RP	REVISED -
PLOT SCALE = 100,000' / in.	DATE - 08/11/2023	REVISED -
PLOT DATE = 8/8/2023		

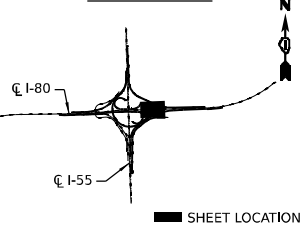
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 17 OF 47 SHEETS STA. TO STA.

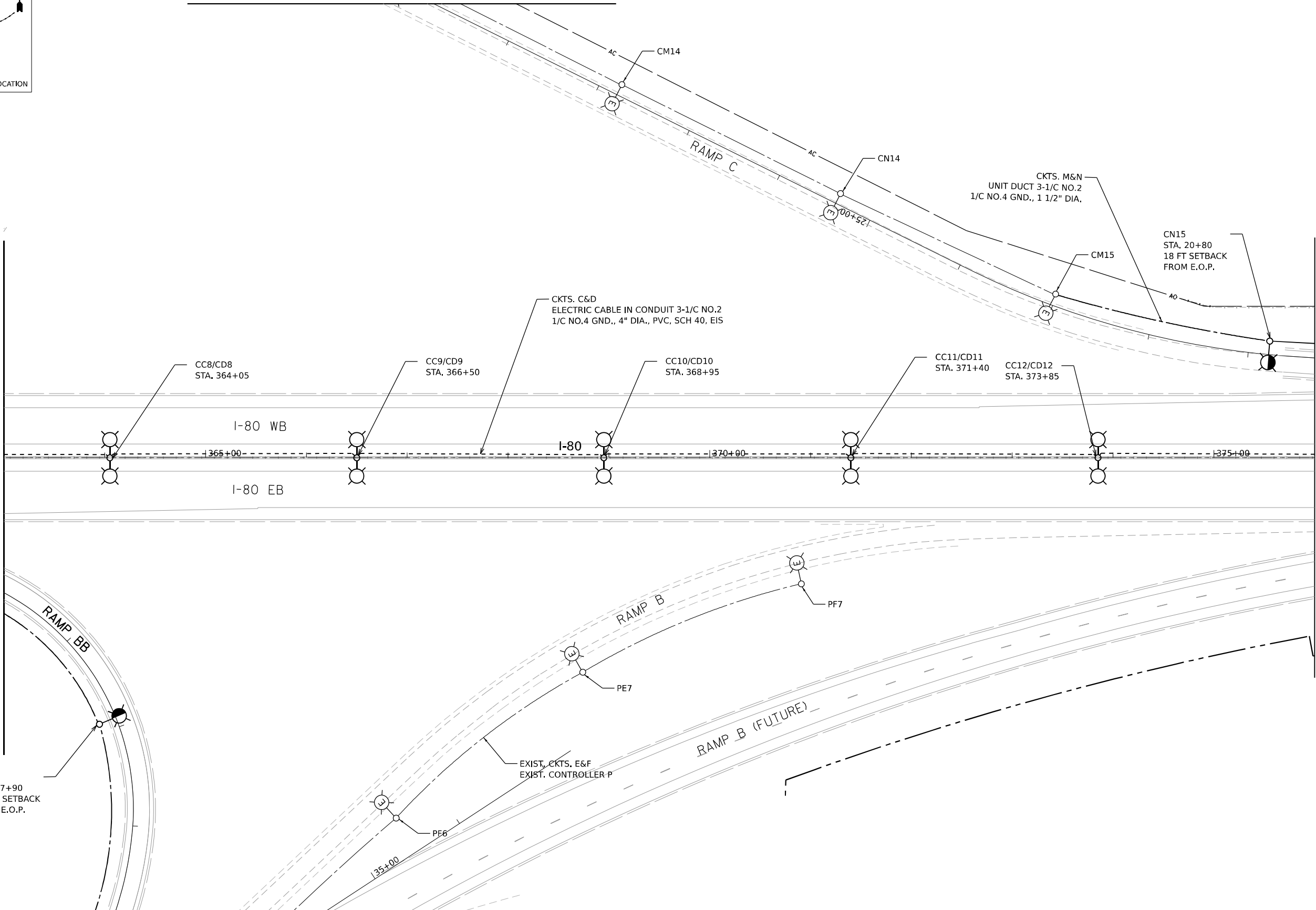
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	447
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



MATCHLINE STA. 363+00

PB2
STA. 17+90
18 FT. SETBACK
FROM E.O.P.



MATCHLINE STA. 376+00



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



USER NAME = vjguskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	REVISIONS -	
PLOT SCALE = 100,000' / 1"	CHECKED - RP	REVISIONS -
PLOT DATE = 8/8/2023	DATE - 08/11/2023	REVISIONS -

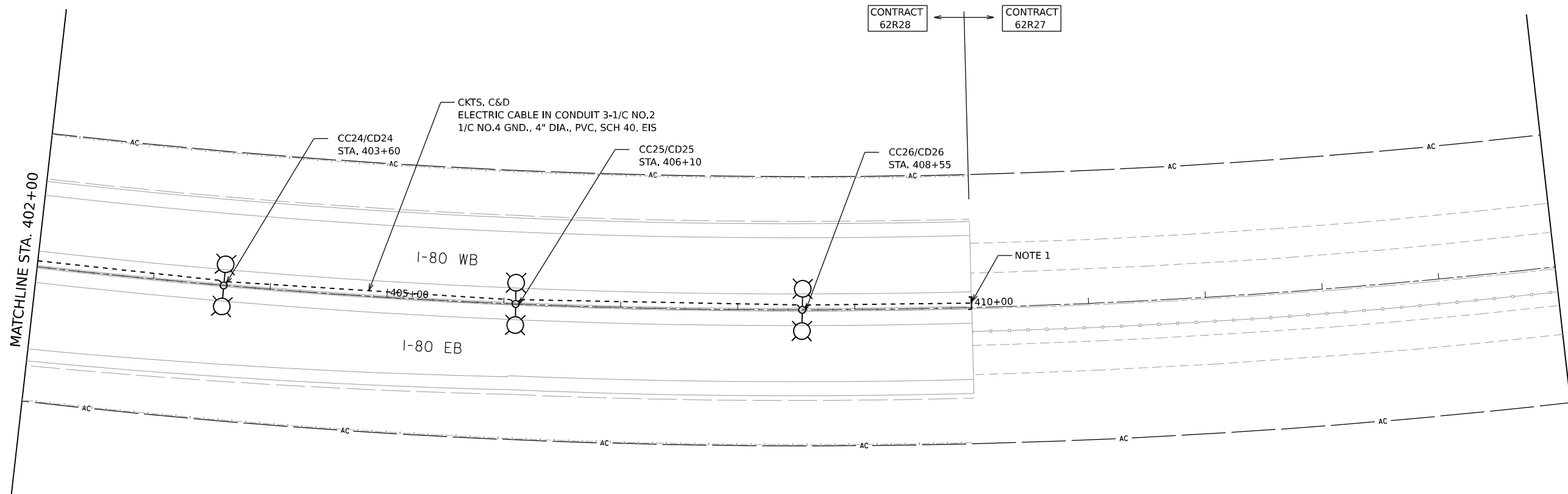
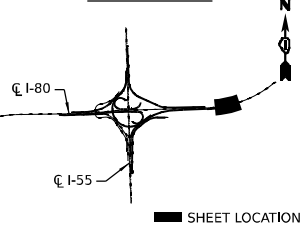
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 18 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	448
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



NOTES:

1. STUB AND CAP 4" PVC CONDUIT FOR FUTURE CONNECTION.



MODEL: D:\data\...
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 PROJECT: ...
 DATE: 8/8/2023



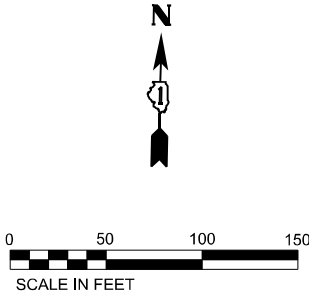
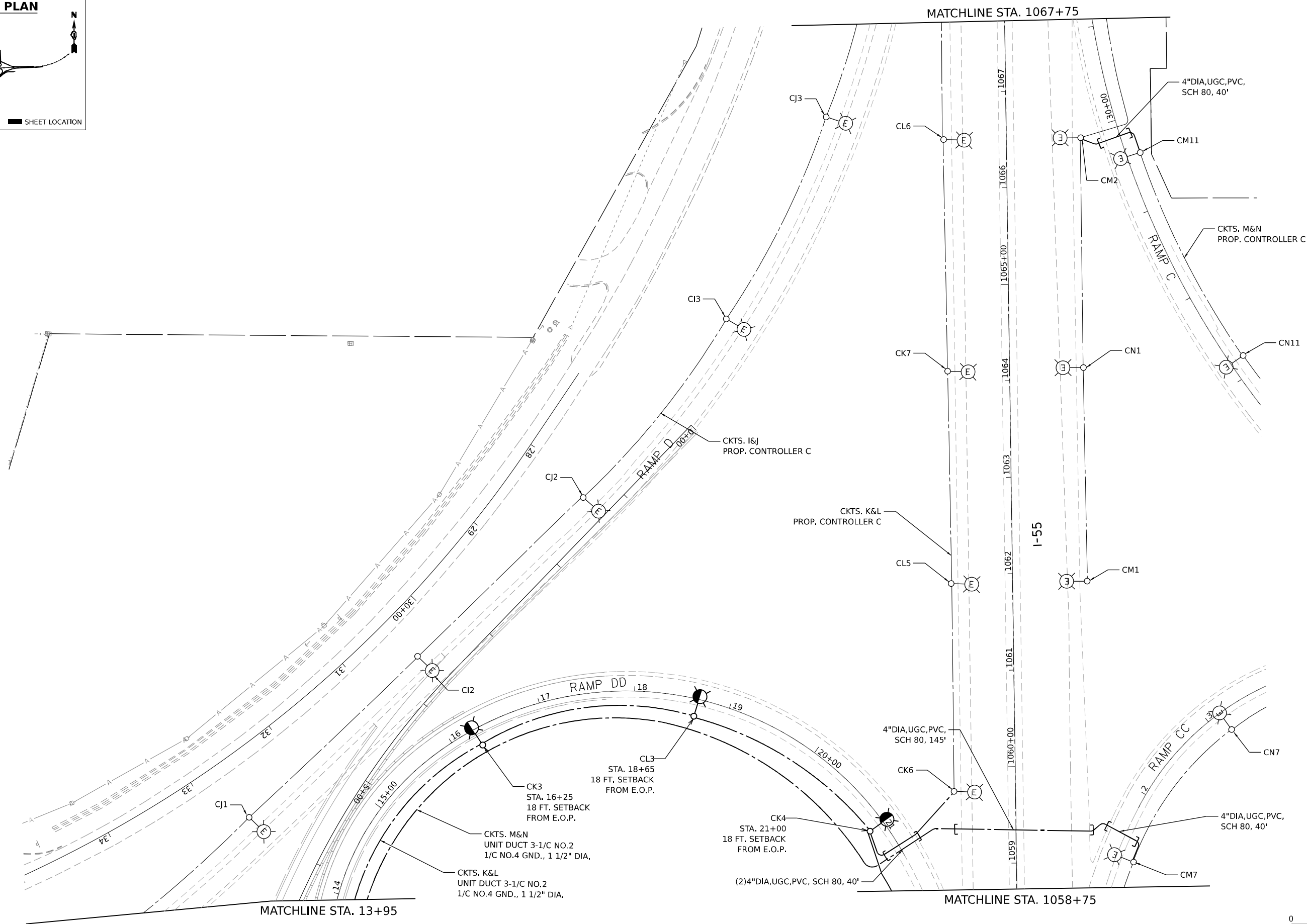
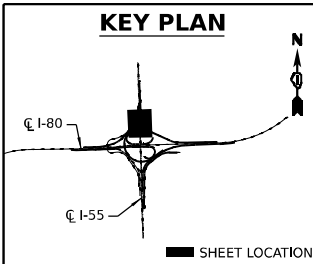
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DRAWN - VN/MAG	CHECKED - RP	REVISED -
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PLOT DATE = 8/8/2023		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 21 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	451
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



MODEL: D:\data\...
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 PROJECT: ...



USER NAME = vgvuskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	CHECKED - RP	REVISED -
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PLOT DATE = 8/8/2023		

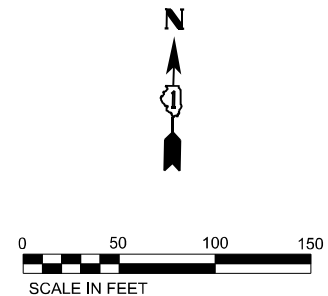
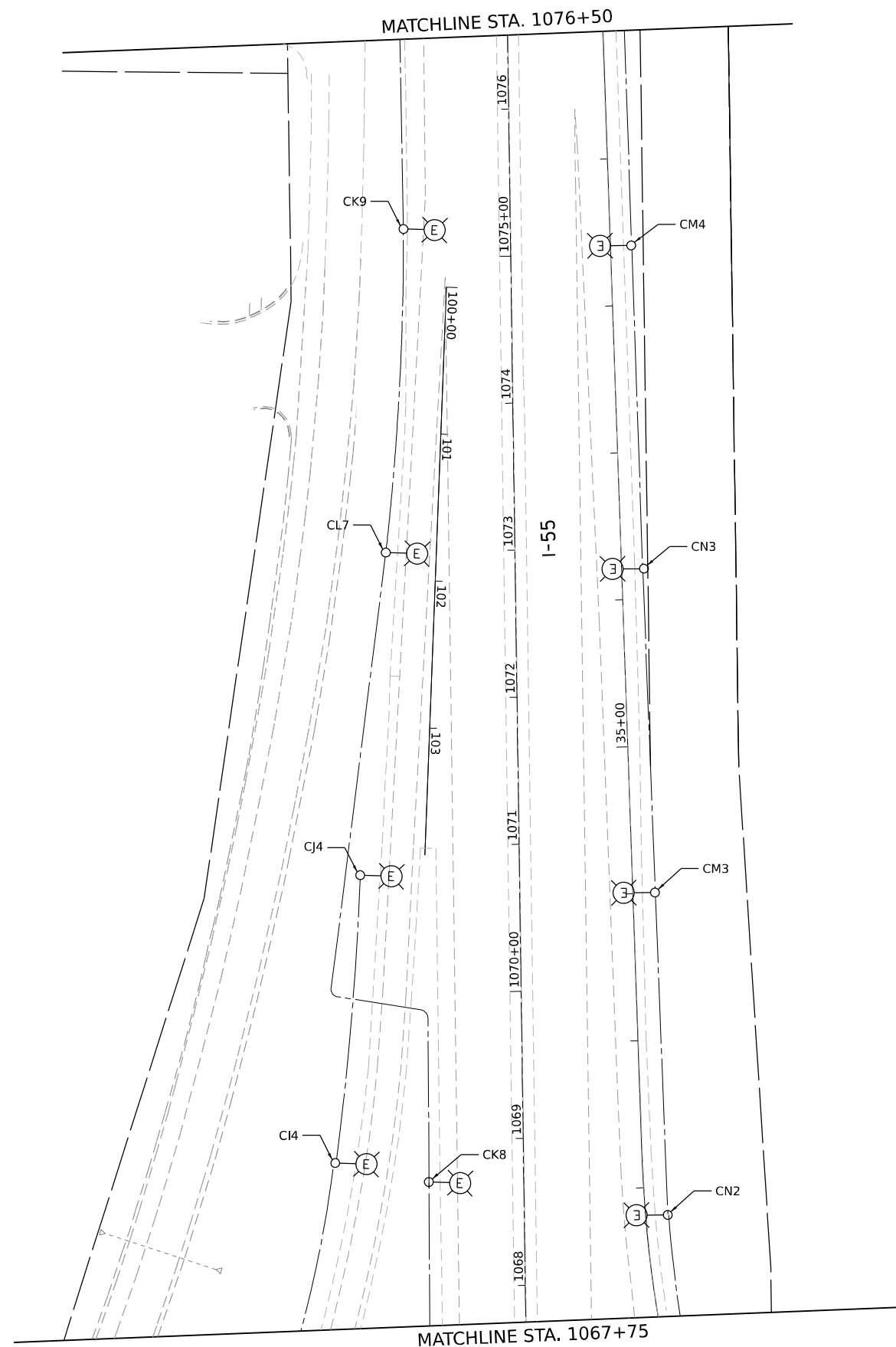
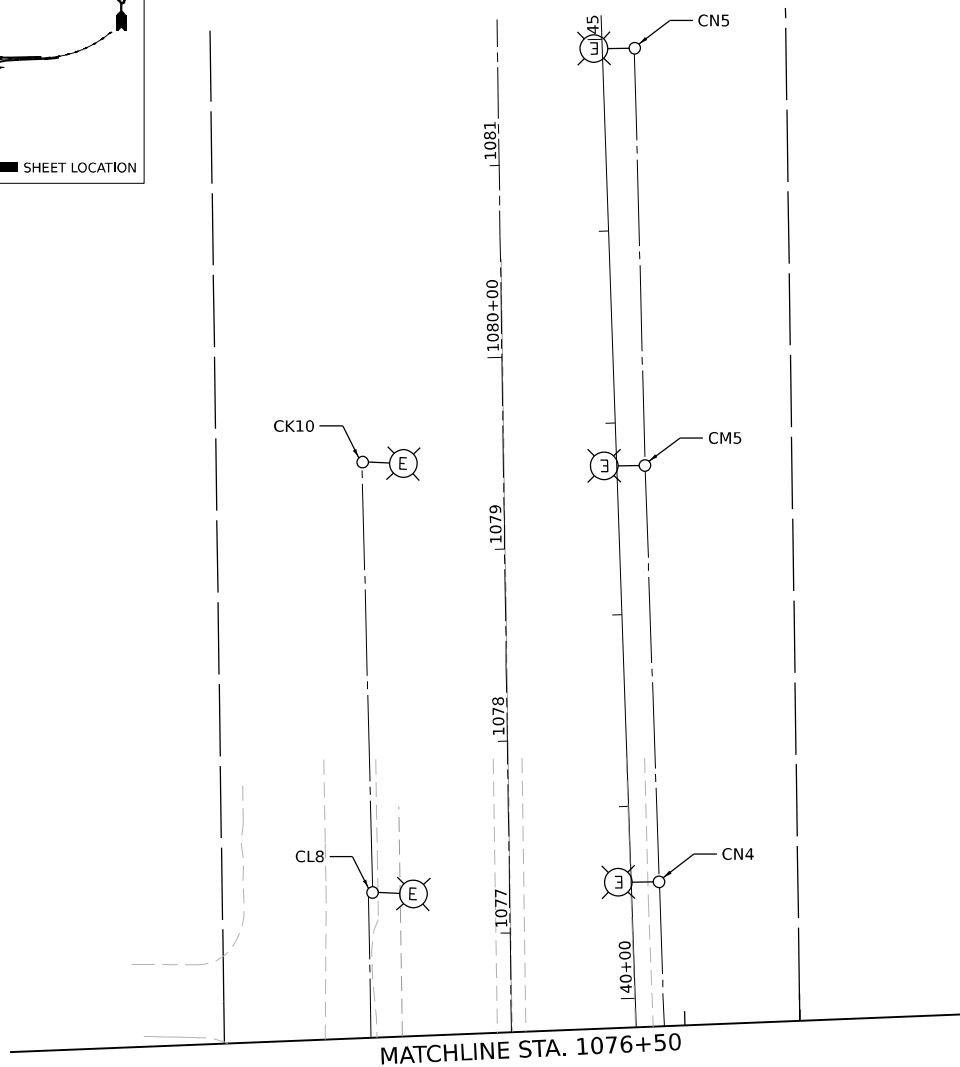
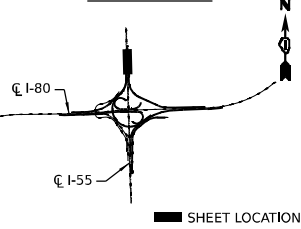
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 22 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	452
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



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



USER NAME = vgvskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	CHECKED - RP	REVISED -
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PLOT DATE = 8/8/2023		

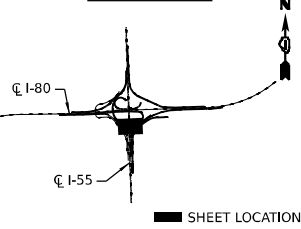
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-80**

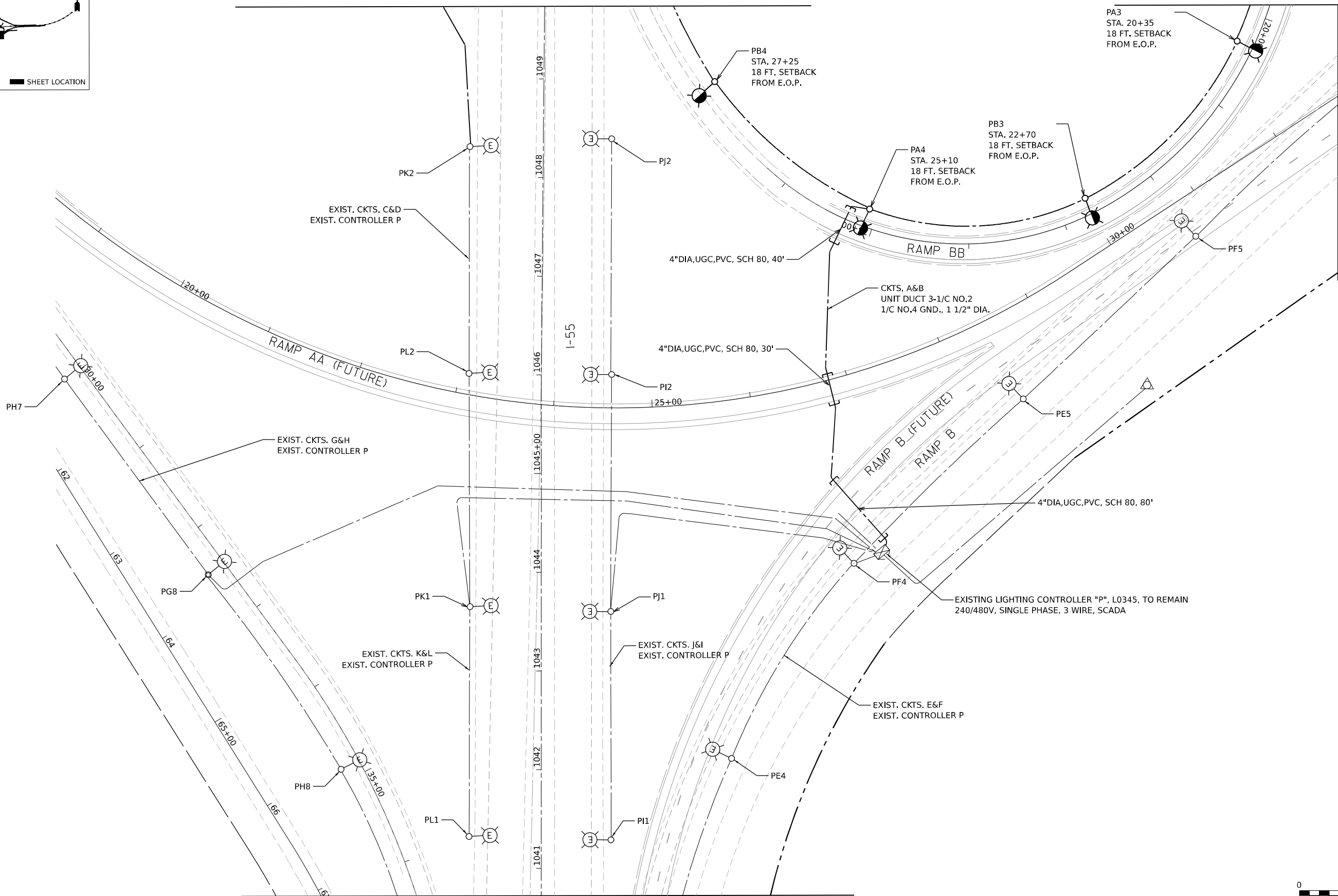
SCALE: 1:50 SHEET 23 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	453
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

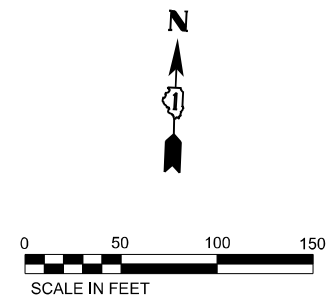
KEY PLAN



MATCHLINE STA. 1049+75



MATCHLINE STA. 1040+70



MODEL: D:\info\...
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 PROJECT: ...
 DATE: 8/8/2023



USER NAME = vjgurskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	CHECKED - RP	REVISED -
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PLOT DATE = 8/8/2023		

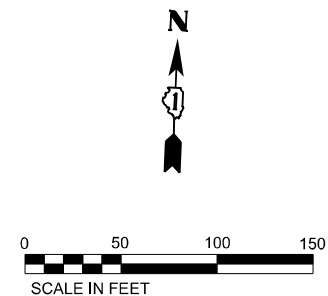
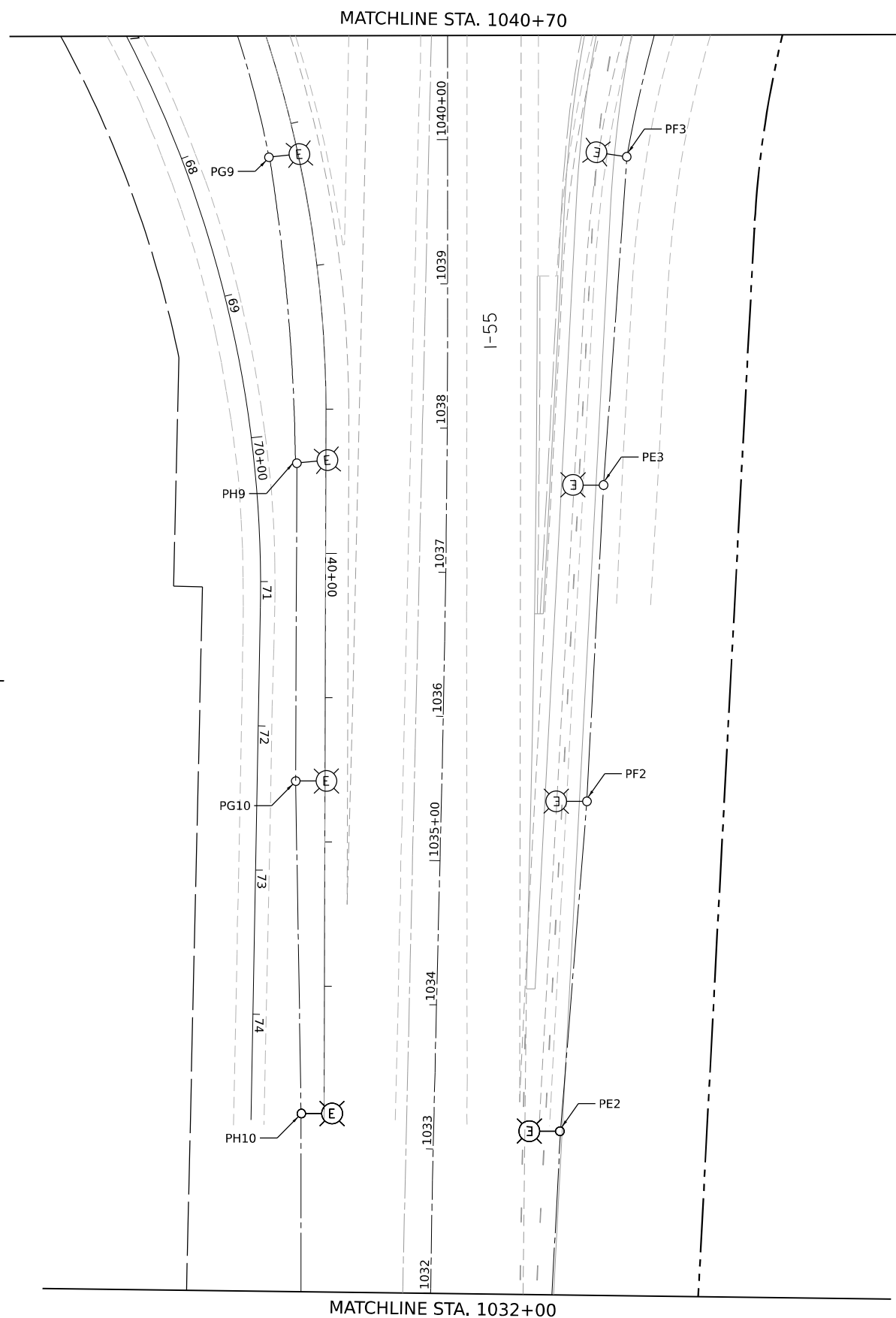
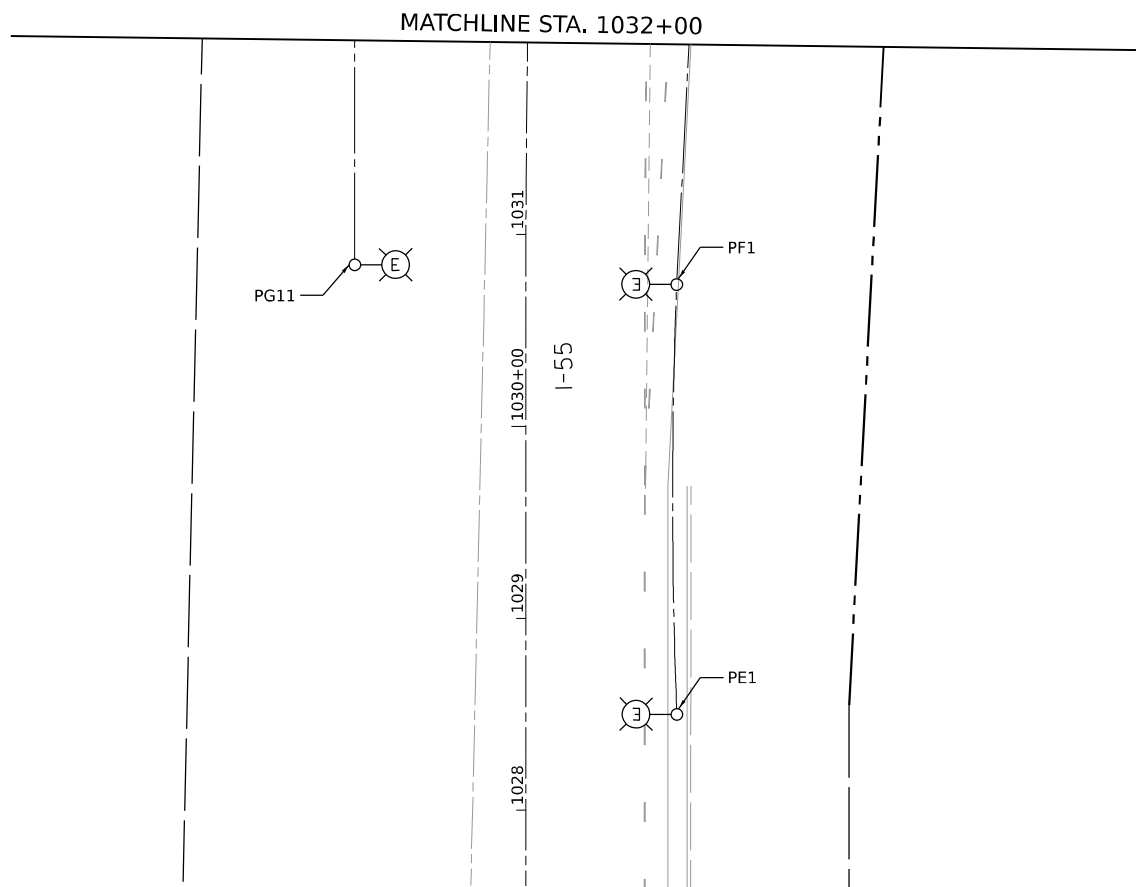
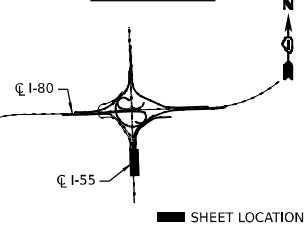
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 24 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	454
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

KEY PLAN



MODEL: D:\data\...
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 PROJECT: ...



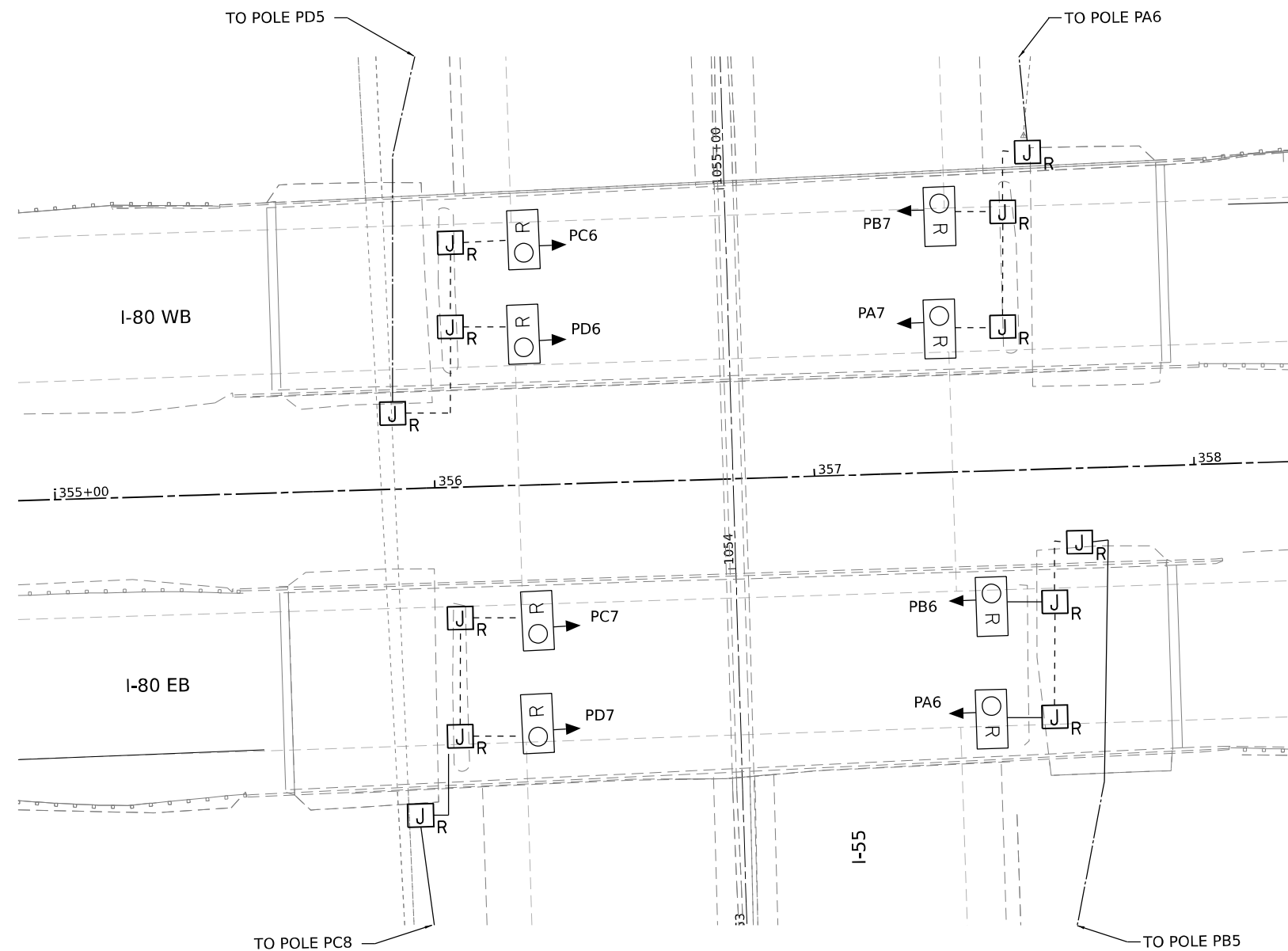
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DRAWN - VN/MAG	CHECKED - RP	REVISED -
PLOT SCALE = 100,000' / in.	DATE - 08/11/2023	REVISED -
PLOT DATE = 8/8/2023		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
I-80**

SCALE: 1:50 SHEET 25 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	455
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



NOTES:

1. THE REMOVAL OF EXISTING SUSPENDED MOUNT UNDERPASS LUMINAIRES MUST INCLUDE THE REMOVAL OF ALL CABLES, CONDUIT, JUNCTION BOXES AND HARDWARE ASSOCIATED WITH THE EXISTING UNDERPASS LIGHTING. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ITEM "REMOVAL OF UNDERPASS LIGHTING UNIT, NO SALVAGE."

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



USER NAME = vgvuskas	DESIGNED - VG	REVISED -
PLOT SCALE = 39,9999' / in.	DRAWN - VN/MAG	REVISED -
PLOT DATE = 8/8/2023	CHECKED - RP	REVISED -
	DATE - 08/11/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

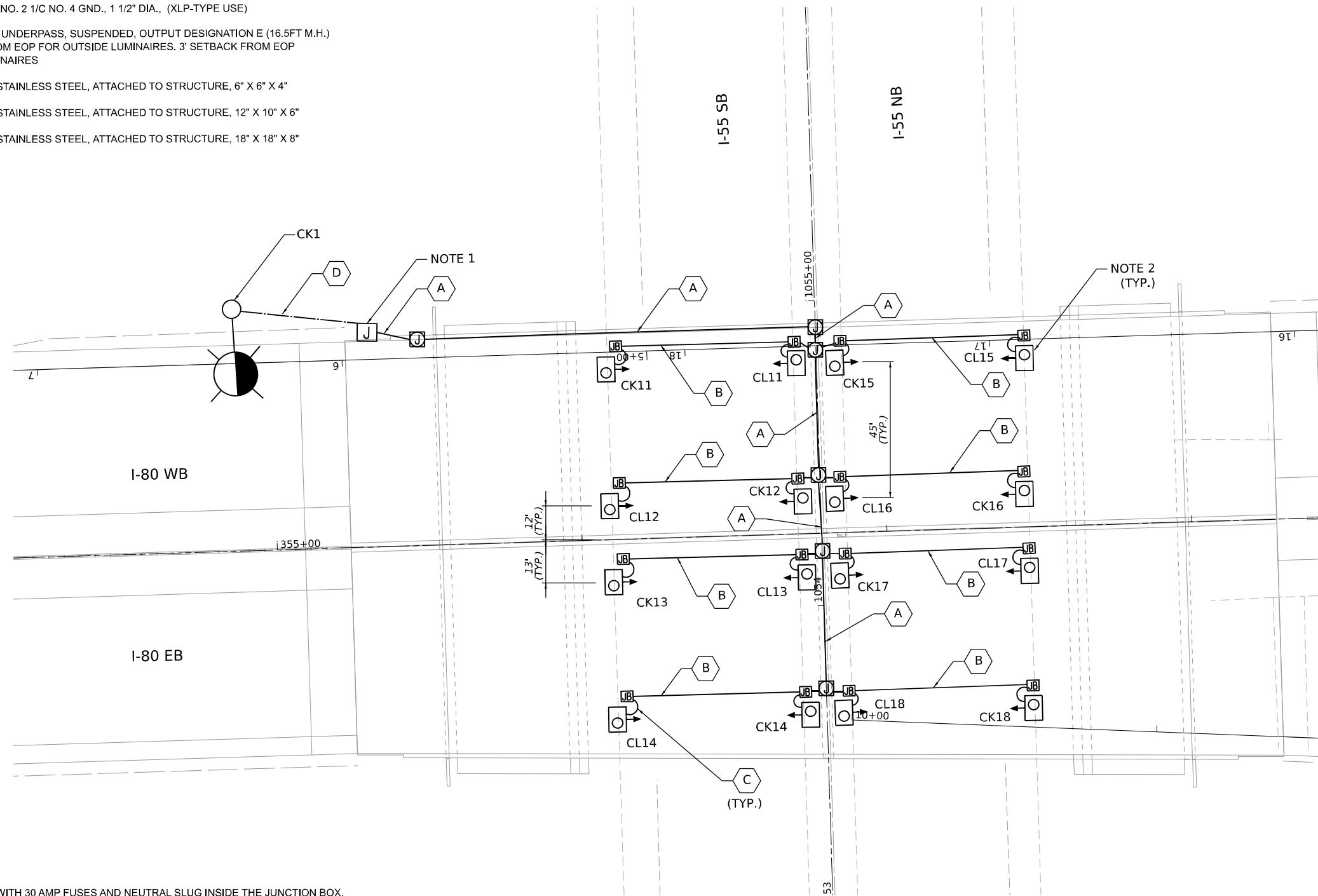
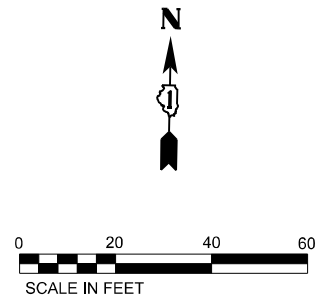
**UNDERPASS LIGHTING REMOVAL PLAN
I-55 UNDER I-80**

SCALE: 1:20 SHEET 26 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	456
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

LEGEND:

- A 3-1/C NO. 10 AND 1/C NO. 10 GND IN 1" PVCC RGC
- B 2-1/C NO. 10 AND 1/C NO. 10 GND IN 1" PVCC RGC
- C 2-1/C NO. 10 AND 1-1/C NO. 10 GND IN 3/4" LIQUID-TIGHT FLEXIBLE CONDUIT
- D UNIT DUCT 3-1/C NO. 2 1/C NO. 4 GND., 1 1/2" DIA., (XLP-TYPE USE)
- O LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E (16.5FT M.H.)
12' SETBACK FROM EOP FOR OUTSIDE LUMINAIRES. 3' SETBACK FROM EOP FOR INSIDE LUMINAIRES
- JB JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"
- J JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
- J JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"



NOTES:

1. INSTALL FUSEHOLDER WITH 30 AMP FUSES AND NEUTRAL SLUG INSIDE THE JUNCTION BOX.
2. PROPOSED UNDERPASS LUMINAIRE SUSPENDED FROM THE BRIDGE DECK, LUMINAIRE SHALL BE CENTERED IN THE BEAM SPACE. LUMINAIRE SETBACK SHALL BE 12' FROM EOP FOR OUTSIDE LUMINAIRES AND 3' FROM EOP FOR INSIDE LUMINAIRES.

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



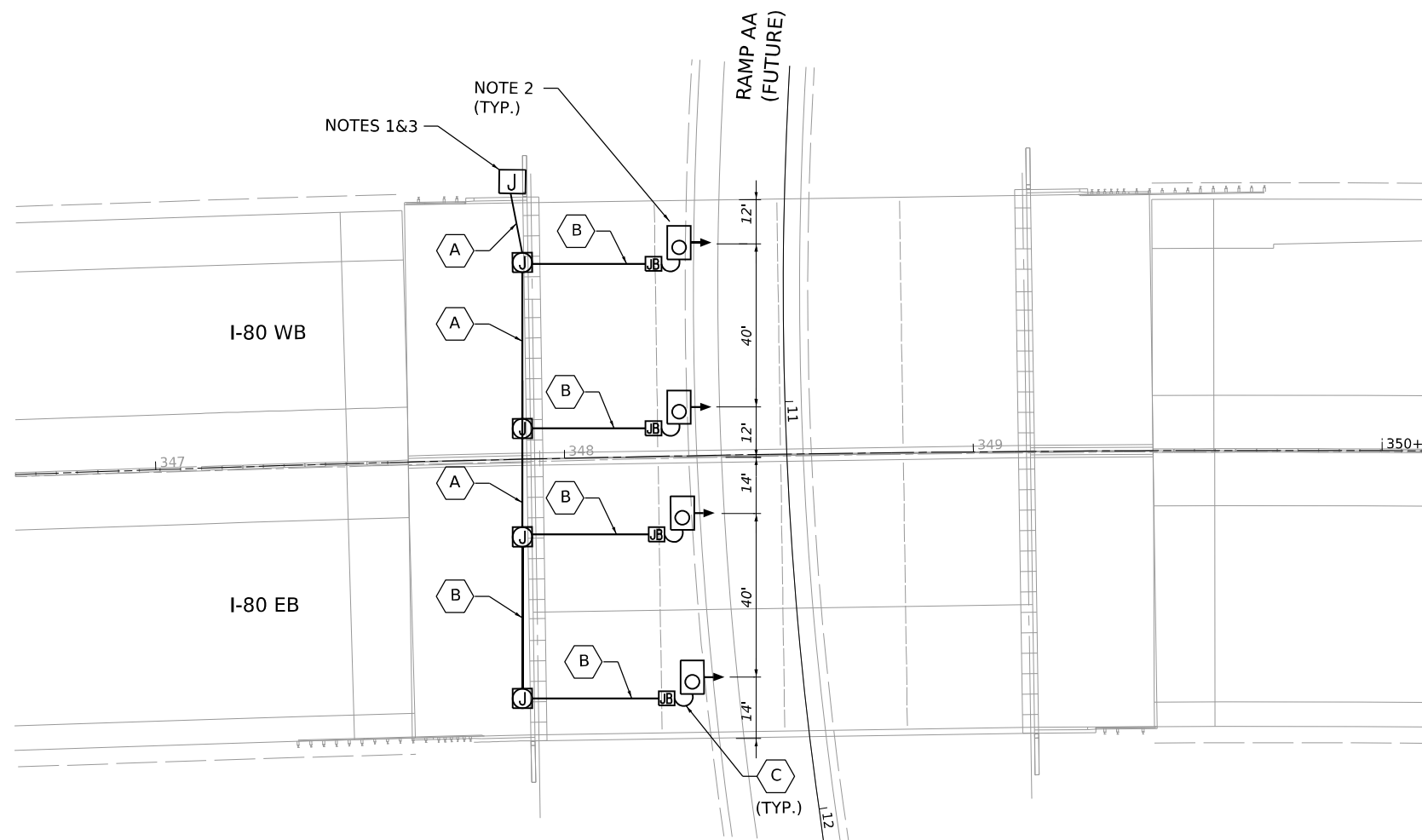
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PLOT SCALE = 39,9999' / in.	CHECKED - RP	REVISED -
PLOT DATE = 8/8/2023	DATE - 08/11/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED UNDERPASS LIGHTING PLAN
I-55 UNDER I-80**

SCALE: 1:20 SHEET 27 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	457
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



NOTES:

1. INSTALL FUSEHOLDER WITH 30 AMP FUSES AND NEUTRAL SLUG INSIDE THE JUNCTION BOX.
2. PROPOSED UNDERPASS LUMINAIRE SUSPENDED FROM THE BRIDGE DECK, LUMINAIRE SHALL BE CENTERED IN THE BEAM SPACE. LUMINAIRE SETBACK SHALL BE 12' FROM EOP.
3. PROPOSED UNDERPASS LIGHTING TO BE FED FROM FUTURE RAMP AA LIGHTING INSTALLED UNDER CONTRACT 62R26. THE CONTRACTOR SHALL PROVIDE A TEMPORARY PORTABLE GENERATOR FOR TESTING AND ACCEPTANCE OF THE UNDERPASS LIGHTING.

LEGEND:

- 3-1/C NO. 10 AND 1/C NO. 10 GND IN 1" PVCC RGC
- 2-1/C NO. 10 AND 1/C NO. 10 GND IN 1"PVCC RGC
- 2-1/C NO. 10 AND 1-1/C NO. 10 GND IN 3/4" LIQUID-TIGHT FLEXIBLE CONDUIT
- UNIT DUCT 3-1/C NO. 2 1/C NO. 4 GND., 1 1/2" DIA., (XLP-TYPE USE)
- LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E (16.5FT M.H.)
12' SETBACK FROM EOP
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"

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



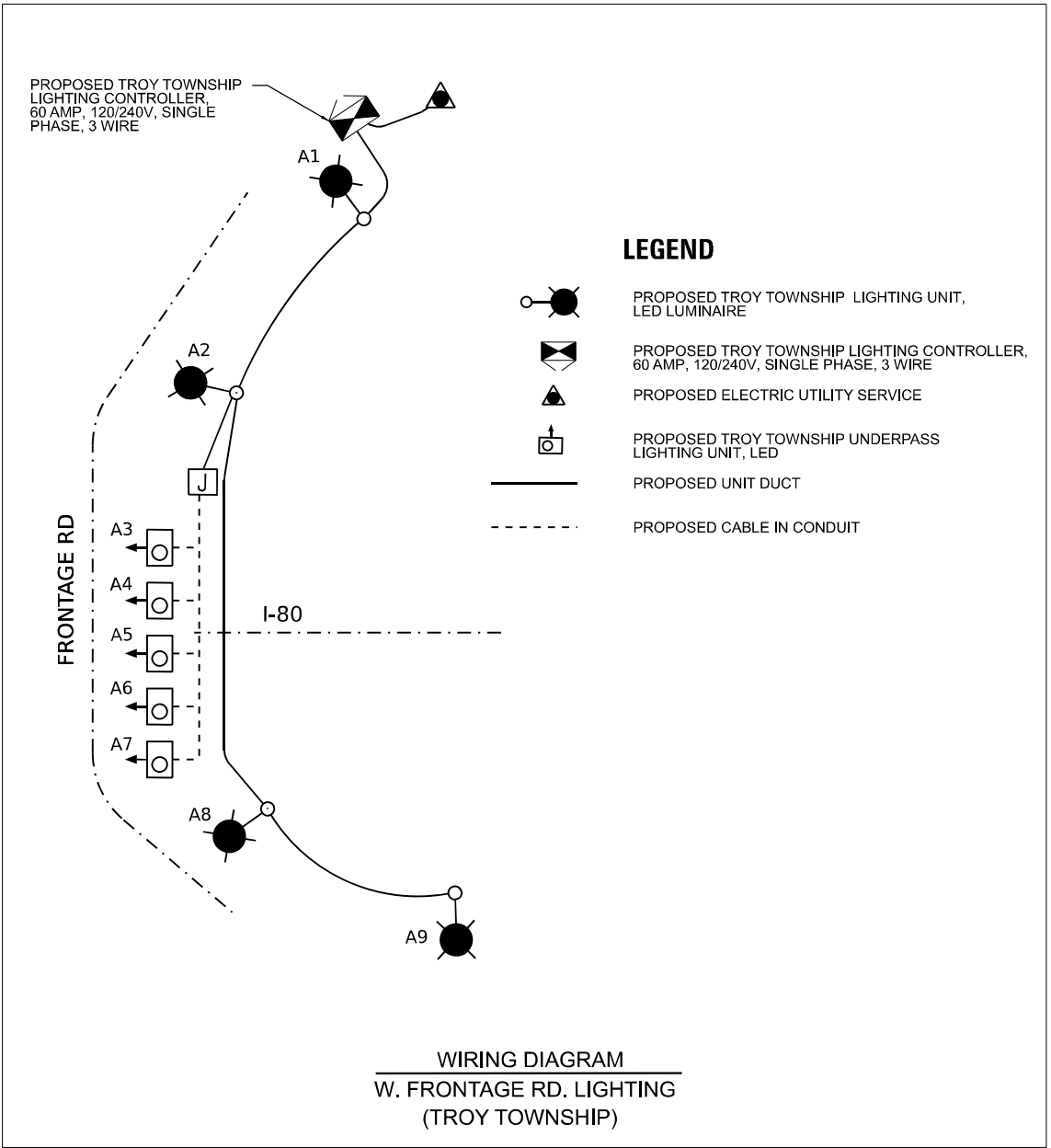
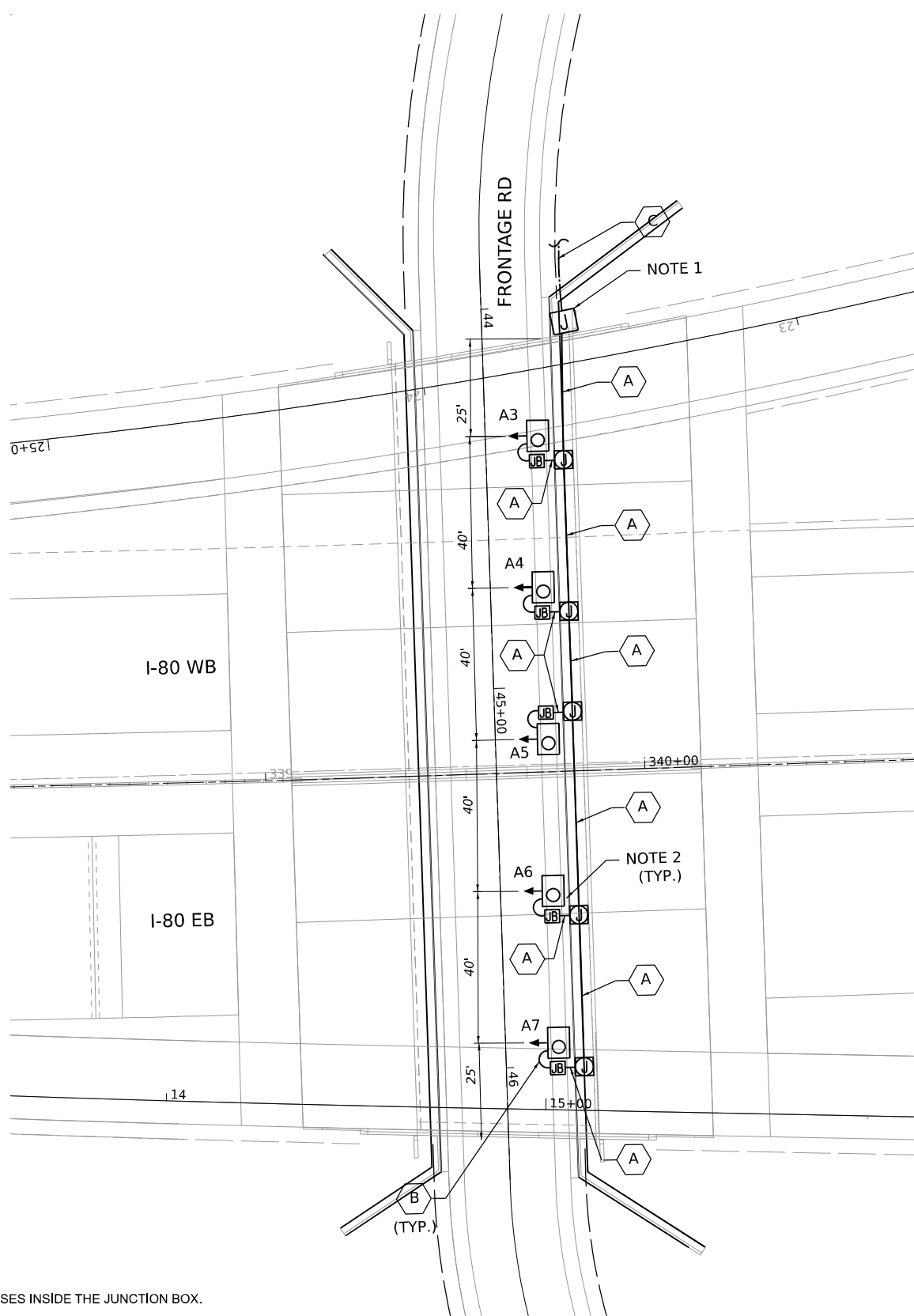
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PLOT DATE = 8/8/2023	DATE - 08/11/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED UNDERPASS LIGHTING PLAN
RAMP AA UNDER I-80**

SCALE: 1:20 SHEET 28 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	458
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- PROPOSED TROY TOWNSHIP LIGHTING UNIT, LED LUMINAIRE
 - PROPOSED TROY TOWNSHIP LIGHTING CONTROLLER, 60 AMP, 120/240V, SINGLE PHASE, 3 WIRE
 - PROPOSED ELECTRIC UTILITY SERVICE
 - PROPOSED TROY TOWNSHIP UNDERPASS LIGHTING UNIT, LED
 - PROPOSED UNIT DUCT
 - PROPOSED CABLE IN CONDUIT

**WIRING DIAGRAM
W. FRONTAGE RD. LIGHTING
(TROY TOWNSHIP)**

NOTES:

1. INSTALL FUSEHOLDER WITH 30 AMP FUSES INSIDE THE JUNCTION BOX.
2. PROPOSED UNDERPASS LUMINAIRE SUSPENDED FROM THE BRIDGE DECK, LUMINAIRE SHALL BE CENTERED IN THE BEAM SPACE. LUMINAIRE SETBACK SHALL BE 2' FROM EOP.
3. PROPOSED UNDERPASS LIGHTING TO BE OWNED AND MAINTAINED BY TROY TOWNSHIP.

LEGEND:

- 2-1/2 NO. 10 AND 1/2 NO. 10 GND IN 1"PVCC RGC
- 2-1/2 NO. 10 AND 1-1/2 NO. 10 GND IN 3/4" LIQUID-TIGHT FLEXIBLE CONDUIT
- UNIT DUCT 2-1/2 NO. 6 1/2 NO. 8 GND., 1" DIA., (XLP-TYPE USE)
- LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E (15.5FT M.H.) 2' SETBACK FROM EOP
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"

MODEL: D:\s\h\... PROJECT: troystownship\... PROJECTS\2018\CH401401180222\01-Schematic\CAD\M-L-4L_62R28\04-Sheet\T-14-Lighting\01-62R28-UnderpassLighting.dwg

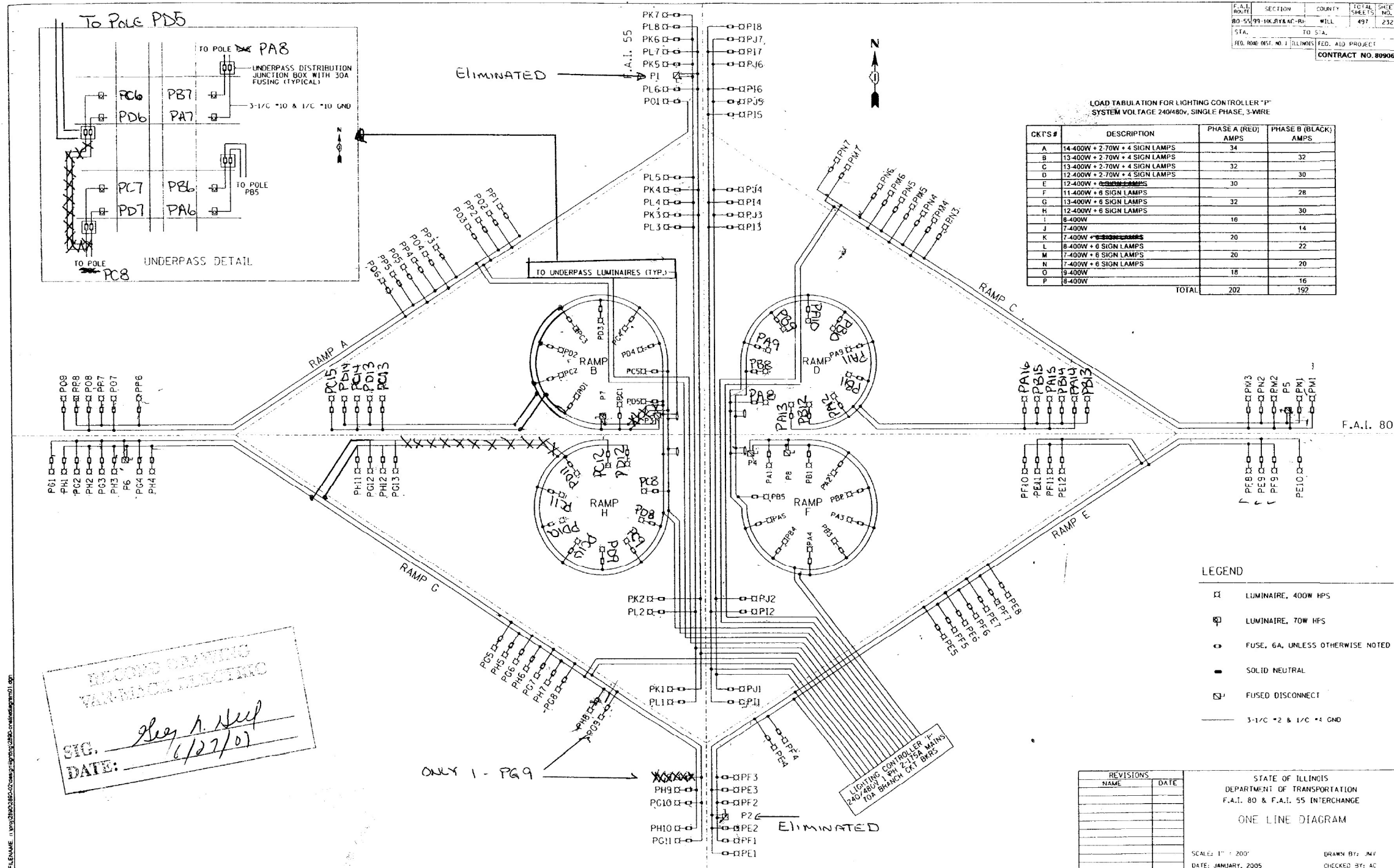


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	DATE - 08/11/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED UNDERPASS LIGHTING PLAN	
FRONTAGE RD UNDER I-80 (TROY TOWNSHIP)	
SCALE: 1:20	SHEET 29 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	459
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80-55	99-100	WILL	497	232
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 80906	

LOAD TABULATION FOR LIGHTING CONTROLLER "P"
SYSTEM VOLTAGE 240/480V, SINGLE PHASE, 3-WIRE

CKTS #	DESCRIPTION	PHASE A (RED) AMPS	PHASE B (BLACK) AMPS
A	14-400W + 2-70W + 4 SIGN LAMPS	34	
B	13-400W + 2-70W + 4 SIGN LAMPS		32
C	13-400W + 2-70W + 4 SIGN LAMPS	32	
D	12-400W + 2-70W + 4 SIGN LAMPS		30
E	12-400W + 2-70W + 4 SIGN LAMPS	30	
F	11-400W + 6 SIGN LAMPS		28
G	13-400W + 6 SIGN LAMPS	32	
H	12-400W + 6 SIGN LAMPS		30
I	8-400W	16	
J	7-400W		14
K	7-400W + 6 SIGN LAMPS	20	
L	8-400W + 6 SIGN LAMPS		22
M	7-400W + 6 SIGN LAMPS	20	
N	7-400W + 6 SIGN LAMPS		20
O	9-400W	18	
P	8-400W		16
TOTAL		202	192

LEGEND

- LUMINAIRE, 400W HPS
- ⊗ LUMINAIRE, 70W HPS
- ⊕ FUSE, 6A, UNLESS OTHERWISE NOTED
- SOLID NEUTRAL
- ⊠ FUSED DISCONNECT
- 3-1/2" x 2" & 1/2" x 4" GND

REVISIONS

NAME	DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. 80 & F.A.I. 55 INTERCHANGE
ONE LINE DIAGRAM

SCALE: 1" = 200'
DATE: JANUARY, 2005
DRAWN BY: JMV
CHECKED BY: AC

RECORDS DRAWING
VAR-MISC-ELECTRICAL

SIG. *Greg A. Neef*
DATE: 6/27/07

FOR INFORMATION ONLY

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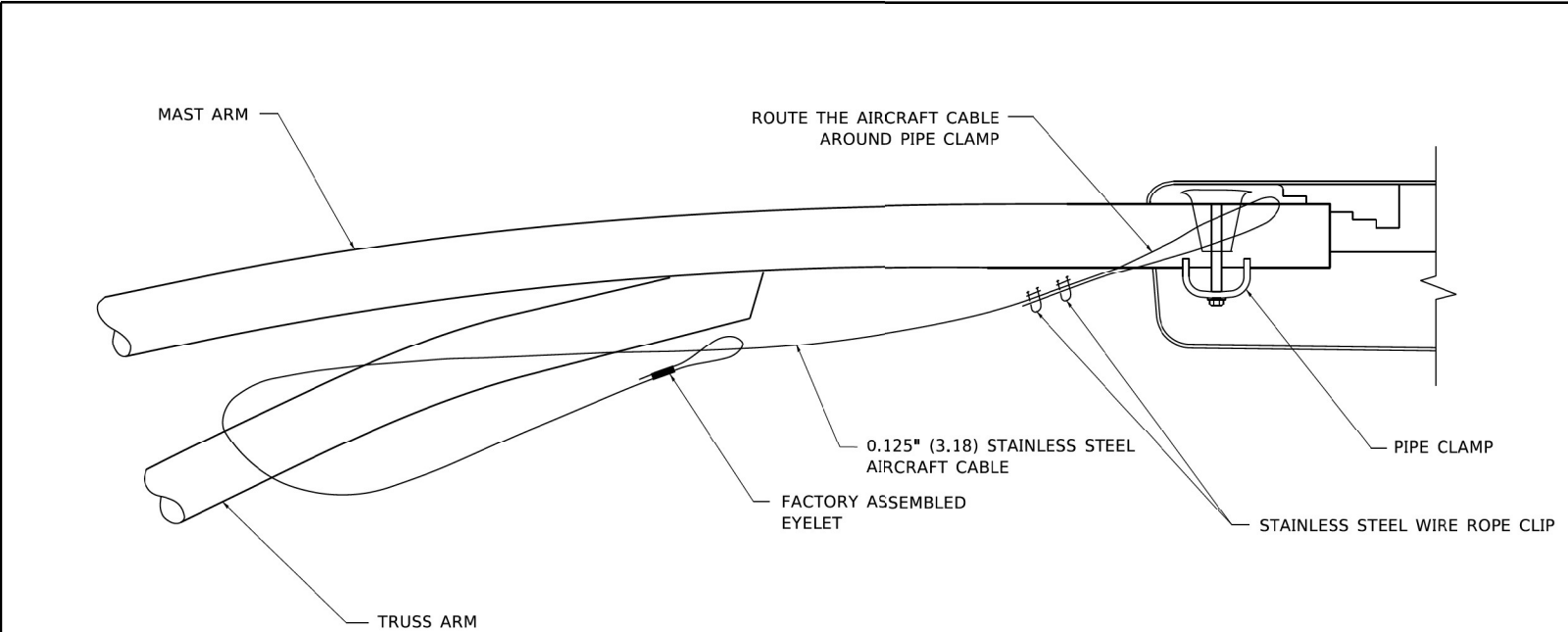
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

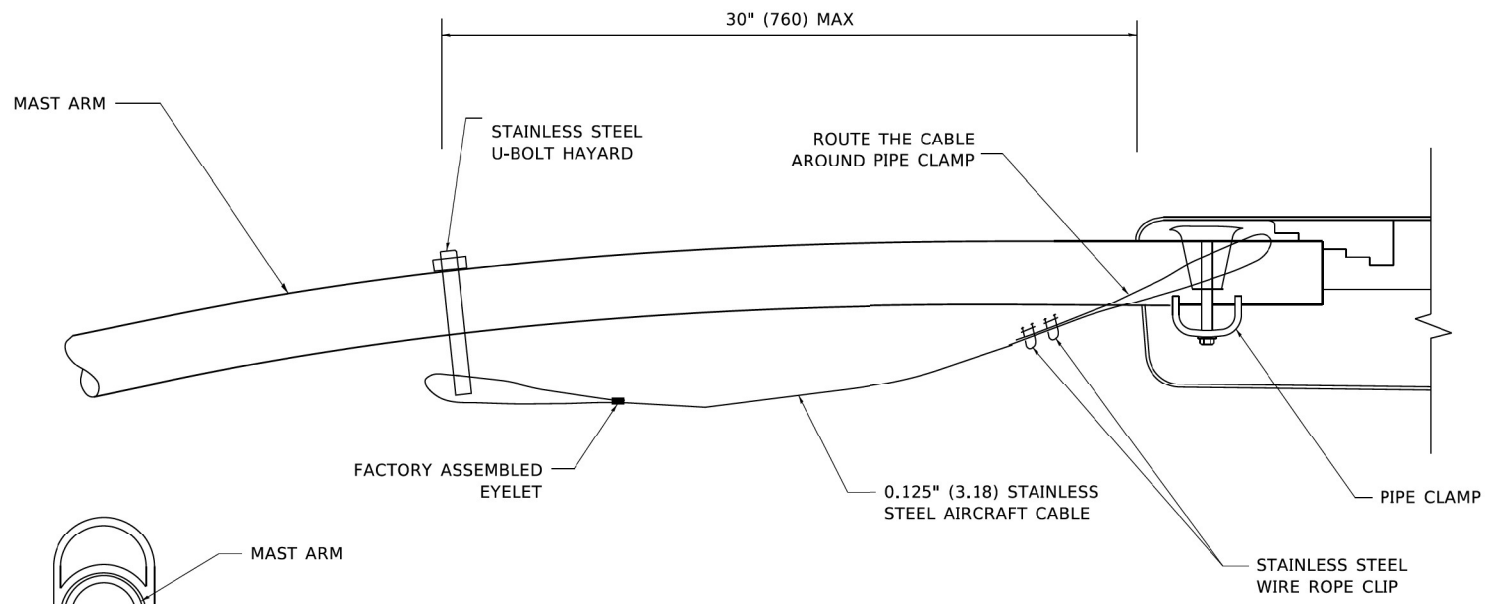
WIRING DIAGRAM
EXISTING LIGHTING CONTROLLER "P"

SCALE: SHEET 31 OF 47 SHEETS STA. TO STA.

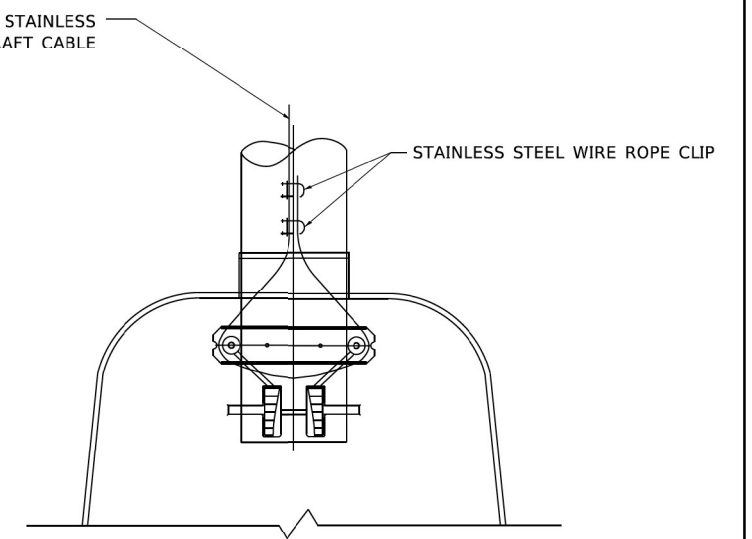
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80	FAI 80 21 INTERCHANGE	WILL	1059	461
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



BOTTOM VIEW
N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

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PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -	
PLOT DATE = 4/19/2019	CHECKED -	REVISED -	
	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LUMINAIRE SAFETY CABLE ASSEMBLY
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-701			
ILLINOIS FED. AID PROJECT				

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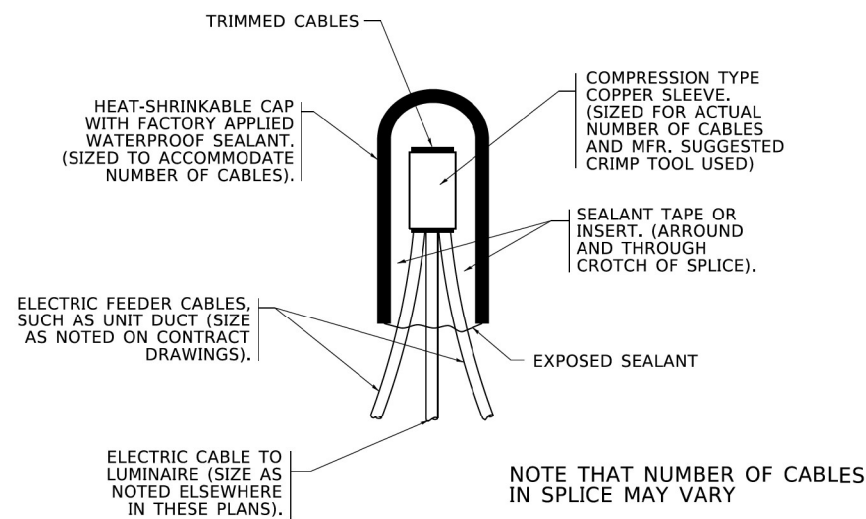


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	DATE -	REVISED -	08/11/2023

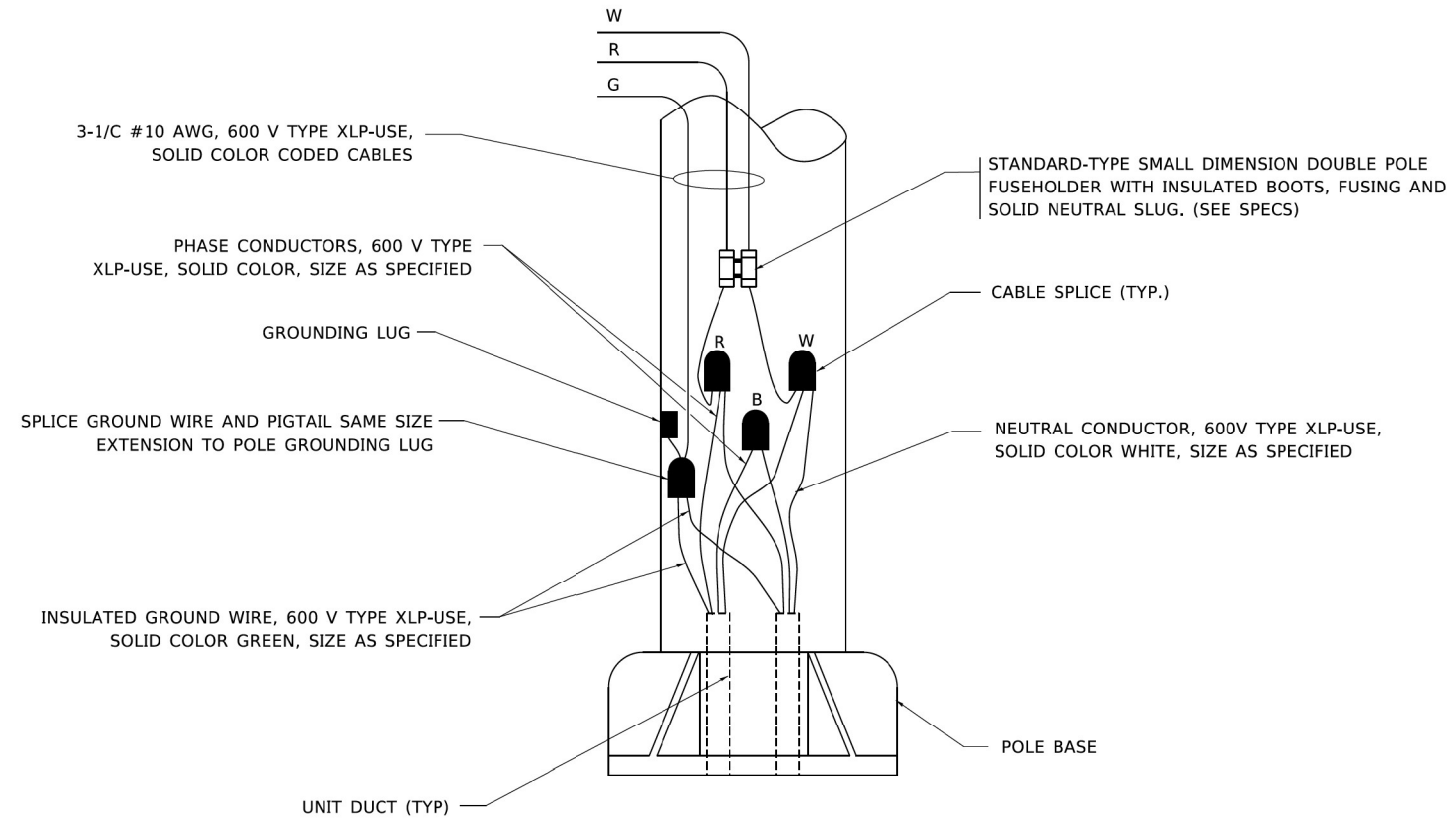
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT STANDARD BE - 701
SCALE: SHEET 40 OF 47 SHEETS STA. TO STA.

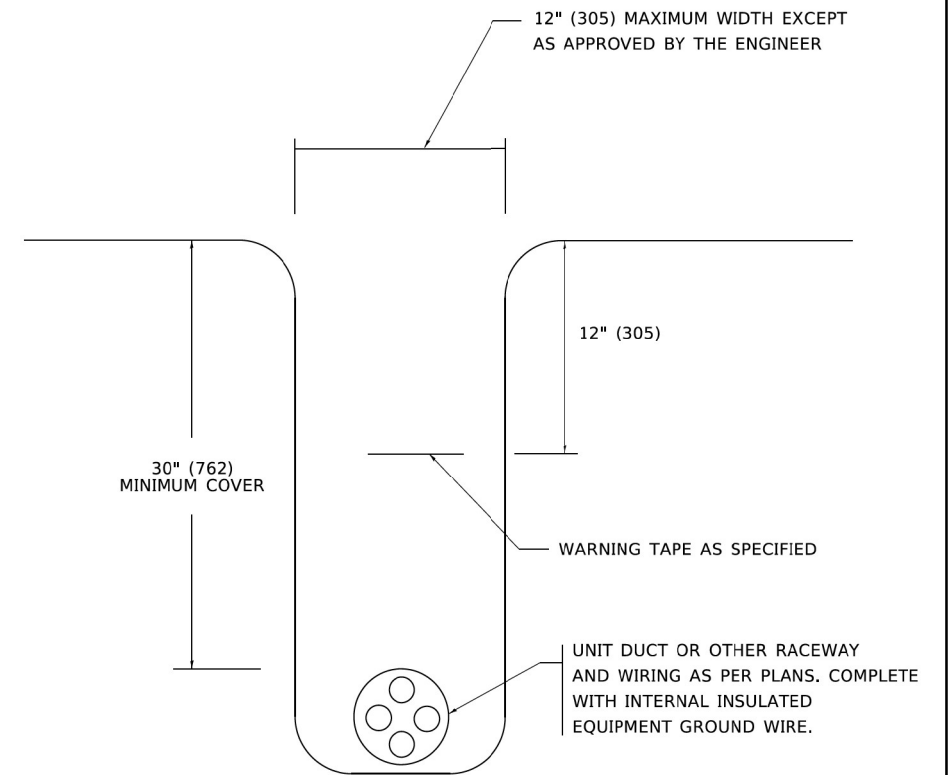
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	470
ILLINOIS FED. AID PROJECT				



TYPICAL SPLICE DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.

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	DATE - 08/08/2003	REVISIONS -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	471
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



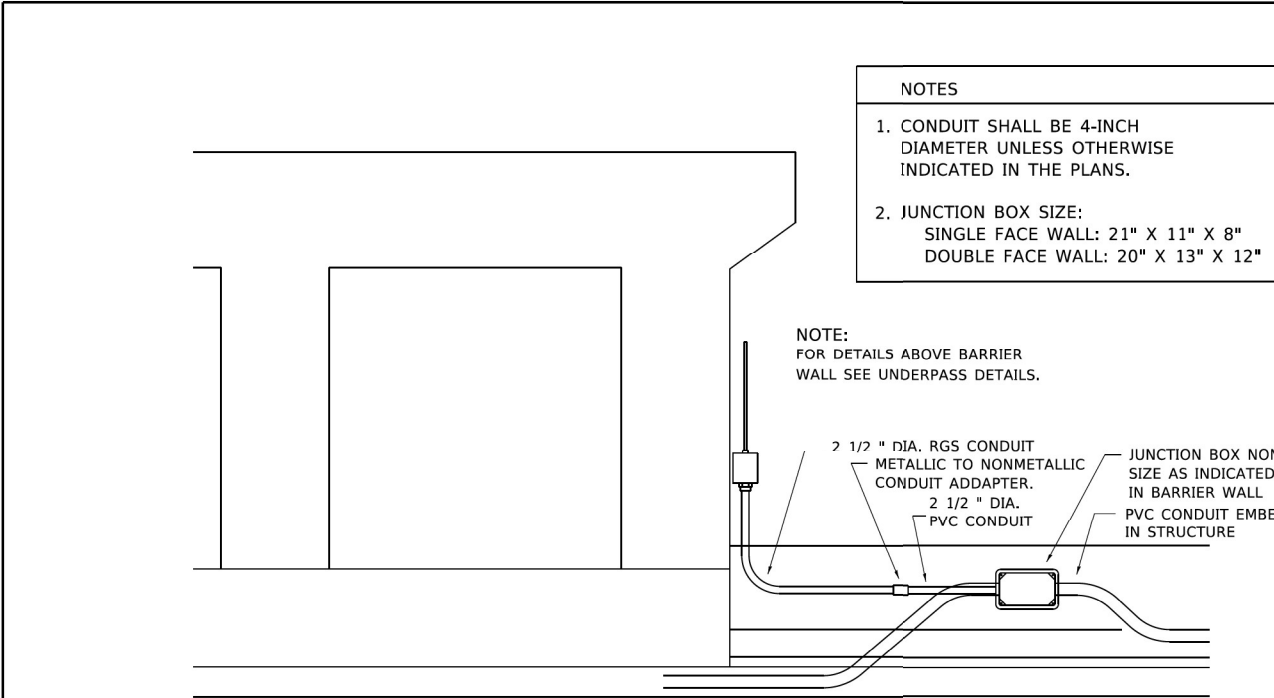
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PLOT DATE = 8/8/2023	CHECKED - RP	REVISIONS -	
	DATE - 08/11/2023	REVISIONS -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT STANDARD BE - 702

SCALE: SHEET 41 OF 47 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	471
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

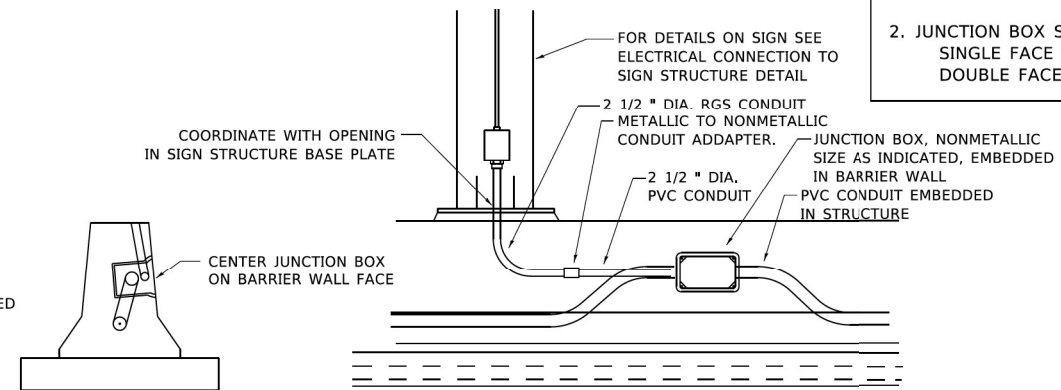


NOTES

1. CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
2. JUNCTION BOX SIZE:
SINGLE FACE WALL: 21" X 11" X 8"
DOUBLE FACE WALL: 20" X 13" X 12"

NOTE:
FOR DETAILS ABOVE BARRIER WALL SEE UNDERPASS DETAILS.

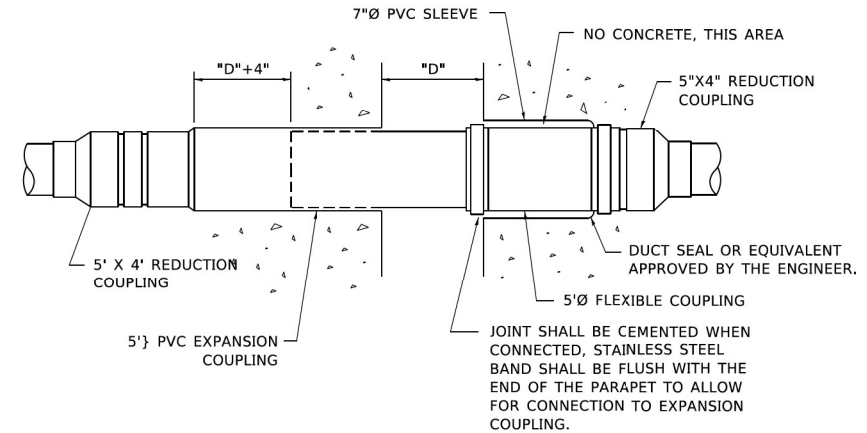
**ED - BWD
ELECTRIC CONNECTION TO UNDERPASS LIGHTING**



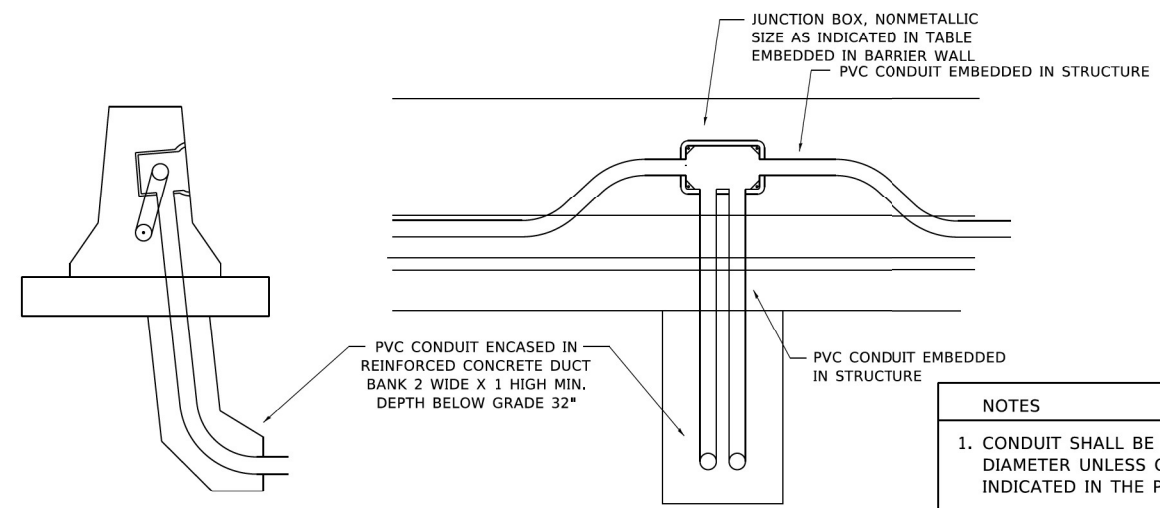
NOTES

1. CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
2. JUNCTION BOX SIZE:
SINGLE FACE WALL: 21" X 11" X 8"
DOUBLE FACE WALL: 20" X 13" X 12"

**ED - SGN
JUNCTION BOX EMBEDDED IN BARRIER WALL FOR SIGN LIGHTING**



**INSTALLATION OF CONDUIT
IN BRIDGE PARAPET EXPANSION JOINT
(N.T.S.)**



NOTES

1. CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
2. JUNCTION BOX SIZE:
SINGLE FACE WALL: 21" X 11" X 8"
DOUBLE FACE WALL: 20" X 13" X 12"

**ED - BW
JUNCTION BOX EMBEDDED IN BARRIER WALL**

MODEL: D:\default... PROJECT: 2018CH401180022013-SignageCAD\M-L-4... SHEET: 15-EBR20-BA-14-2.dgn

USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE - 01-20-2009	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MISCELLANEOUS ELECTRICAL DETAILS, SHEET B
J BOX EMBEDDED IN BARRIER WALL - INSTALLATION OF CONDUIT IN BRIDGE
PARAPET EXPANSION JOINT - ELECTRIC CONNECTION TO UNDERPASS LIGHTING**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-703			472
ILLINOIS FED. AID PROJECT				

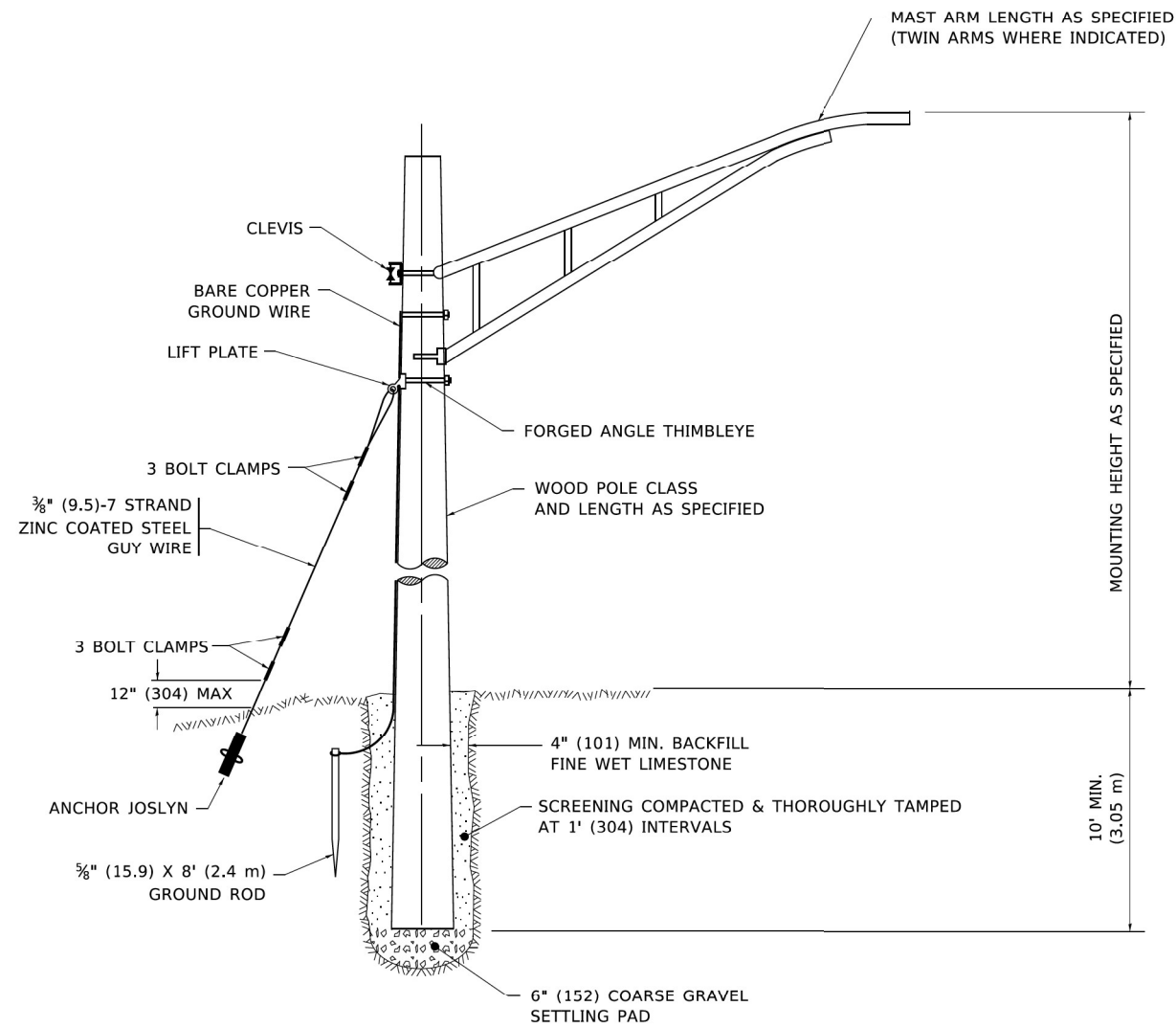


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PLOT DATE = 8/8/2023	CHECKED - RP	REVISED -
	DATE - 08/11/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT STANDARD BE - 703

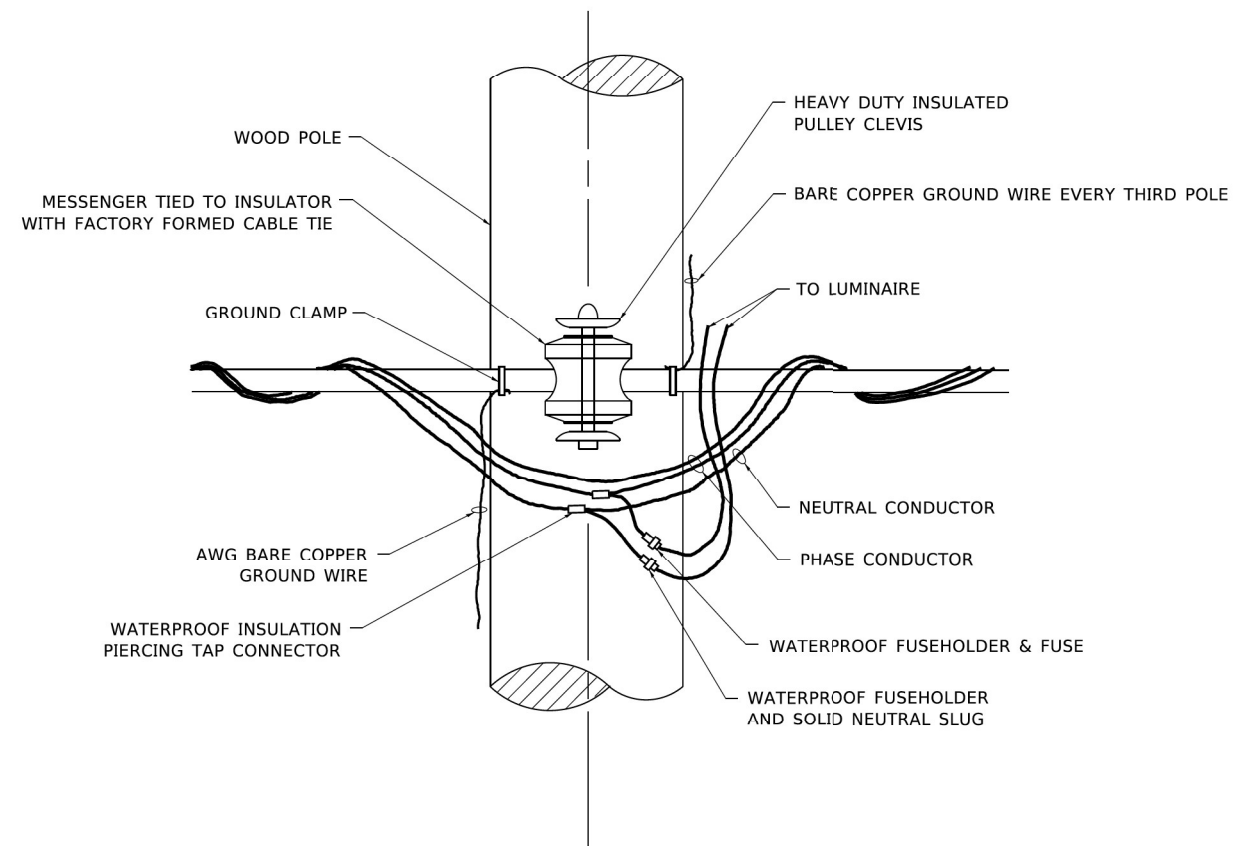
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	472
ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE DETAIL

NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

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

USER NAME = footemj	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY LIGHT POLE DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0010' / in.	DRAWN - VN/MAG	REVISED - R.T. 07-26-16		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			BE-800 CONTRACT NO.				
PLOT DATE = 4/19/2019	CHECKED - RP	REVISED -		ILLINOIS FED. AID PROJECT							
	DATE -	REVISED -									



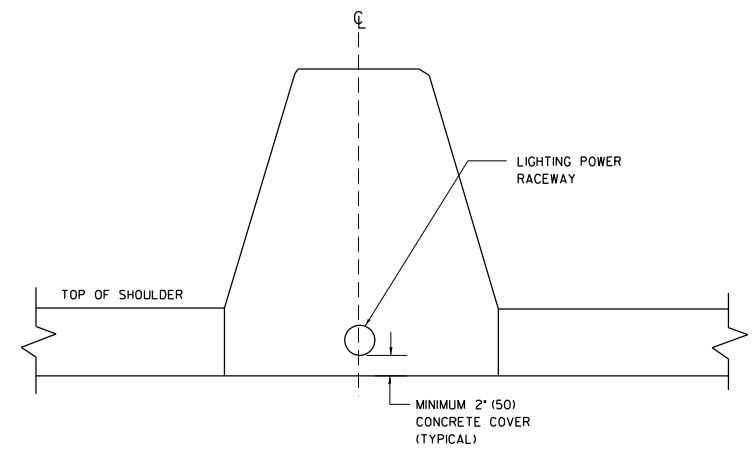
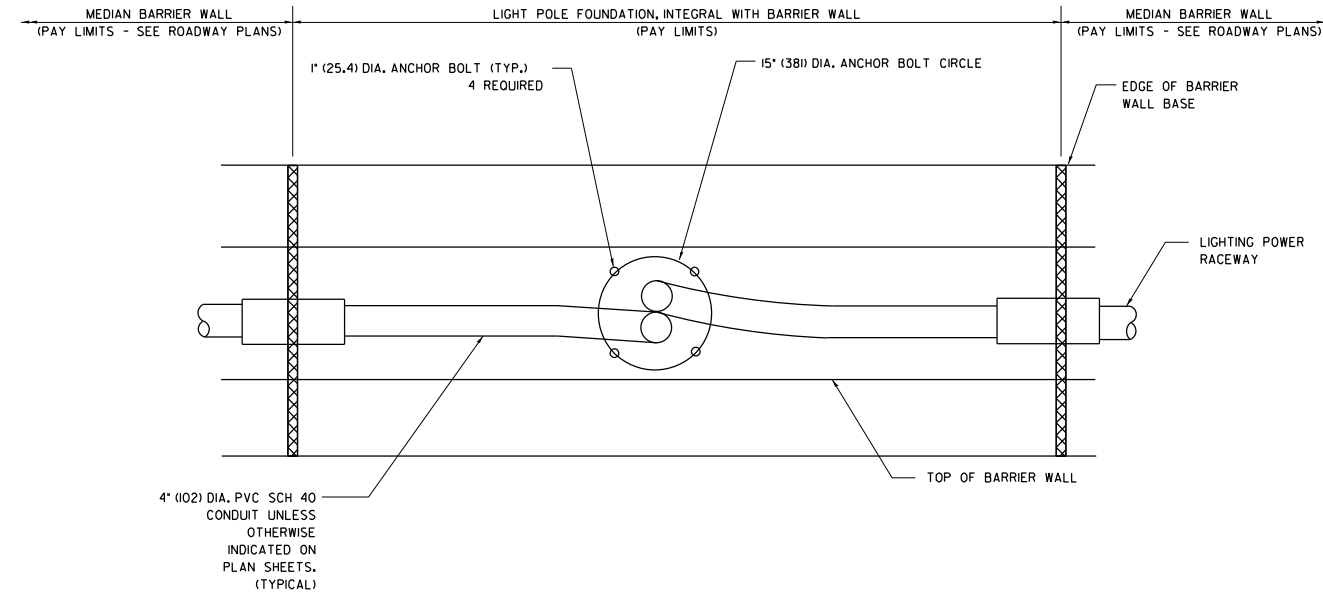
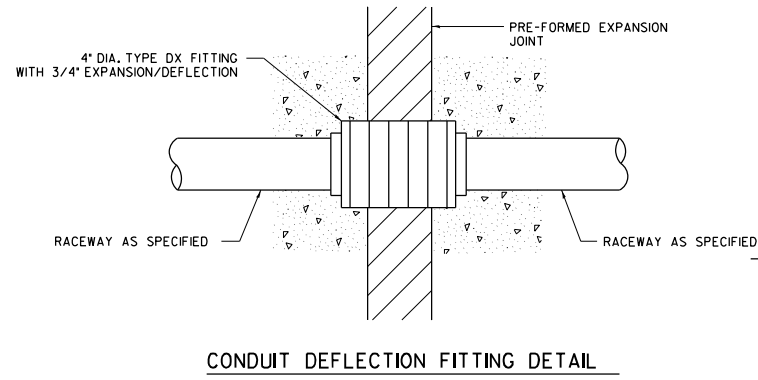
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PLOT DATE = 8/8/2023	CHECKED - RP	REVISED -
	DATE - 08/11/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT STANDARD BE - 800			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: SHEET 43 OF 47 SHEETS STA. TO STA.			80	FAI 80 21 INTERCHANGE	WILL	1059	473
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R28				

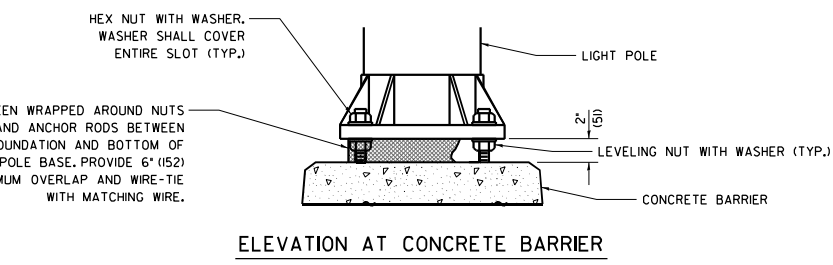
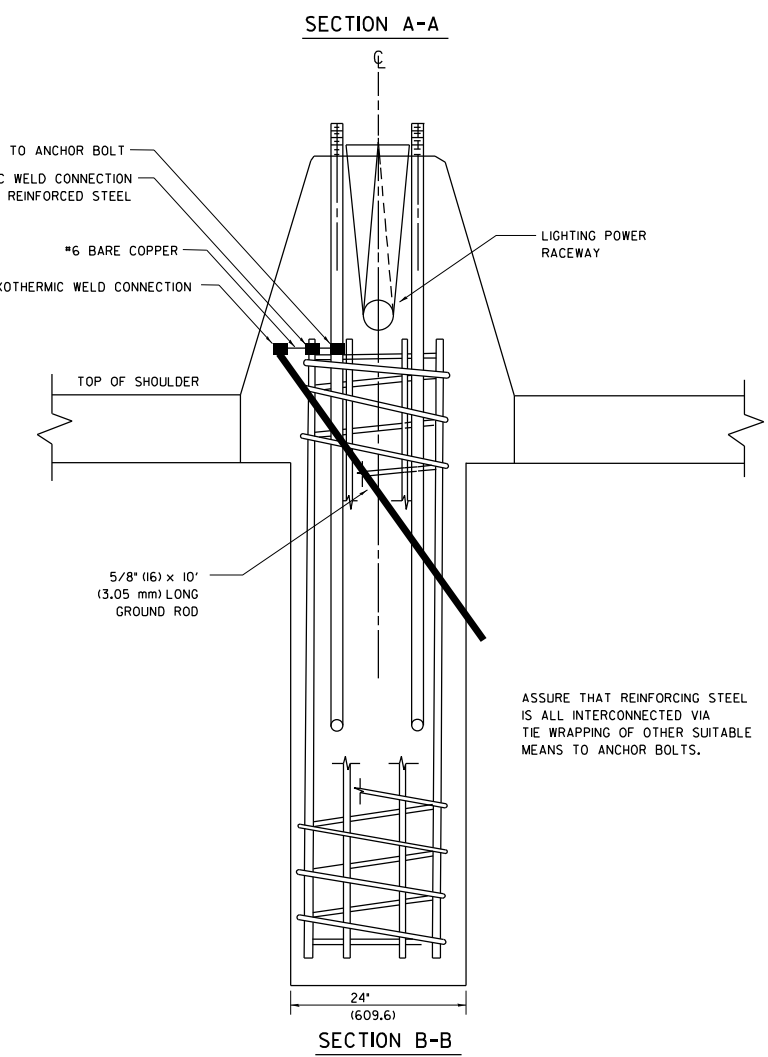
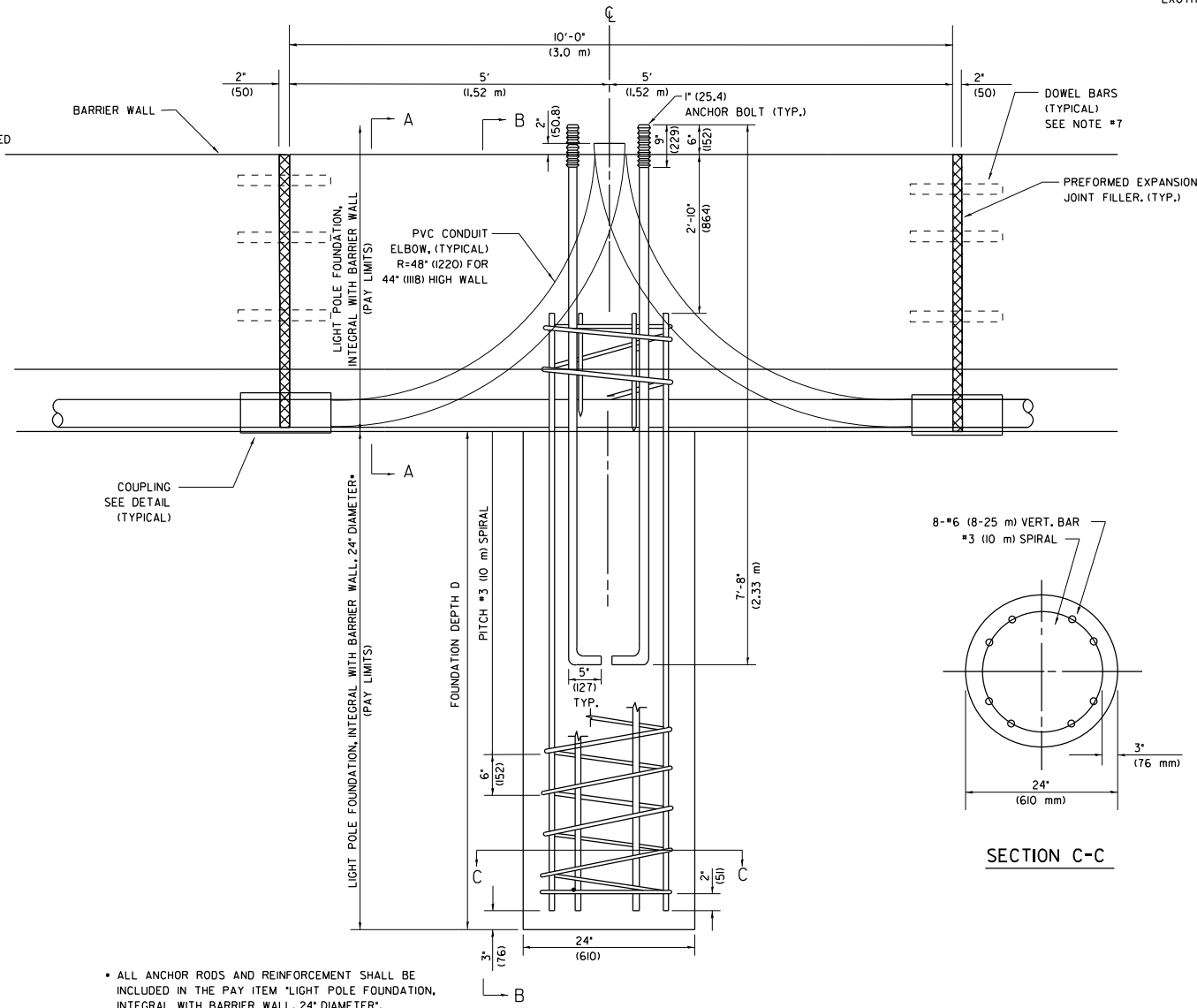
NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORMS.
3. THE CONTRACTOR AT HIS OPTION MAY SUBSTITUTE #4 (15 m) TIES AT 12" (304.8 m) CTRS. FOR THE #3 (3 m) SPIRAL, TACKWELDED TYPE BOLT MAY BE SUBSTITUTED FOR THE HOOK TYPE BOLT.
4. COLD BENDING OF THE HOOK BOLT SHALL NOT BE ALLOWED.
5. EXCAVATION FOR THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER 24 INCHES (609.6 m) IN DIAMETER, ROCK EXCAVATION IF REQUIRED SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 502.
6. THE ENGINEER SHALL DETERMINE THE TYPE OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE USING THE DOMINANT CHARACTERISTIC OF THE SOIL ENCOUNTERED.
7. BARRIER WALL EXPANSION AND CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH STANDARD DETAIL 637006-05 AS APPLICABLE. SHAPE OF BARRIER TO MATCH ADJACENT BARRIER SECTIONS (TYPICAL OR VARIABLE HEIGHT).
8. ANCHOR RODS, NUTS, AND WASHERS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS ARTICLES 1070.02 AND 1006.09.



FOUNDATION DEPTH

TYPE OF SOIL	FOUND DEPTH D	REINFORCEMENT IN FOUNDATION	
		VERTICAL BARS	SPIRAL
ROCK OR SOLIDIFIED SLAG	5'-0" (1.52 m)	NONE	NONE
DENSE SAND	7'-9" (2.36 m)	8-#6 x 9'-0" (8-20 m x 2.74 m)	#3 x 90' (3 m x 27.43 m)
MEDIUM SAND	8'-3" (2.51 m)	8-#6 x 9'-5" (8-20 m x 2.87 m)	#3 x 94' (3 m x 28.65 m)
LOOSE SAND	9'-0" (2.74 m)	8-#6 x 10'-2" (8-20 m x 3.09 m)	#3 x 100' (3 m x 30.48 m)
STIFF CLAY	7'-0" (2.13 m)	8-#6 x 10'-8" (8-20 m x 2.48 m)	#3 x 80' (3 m x 24.38 m)
MEDIUM CLAY	9'-6" (2.89 m)	8-#6 x 10'-8" (8-20 m x 3.25 m)	#3 x 104' (3 m x 31.69 m)
SOFT CLAY	13'-0" (3.96 m)	8-#6 x 14'-2" (8-20 m x 4.32 m)	#3 x 144' (3 m x 43.89 m)



• ALL ANCHOR RODS AND REINFORCEMENT SHALL BE INCLUDED IN THE PAY ITEM 'LIGHT POLE FOUNDATION, INTEGRAL WITH BARRIER WALL, 24" DIAMETER'.

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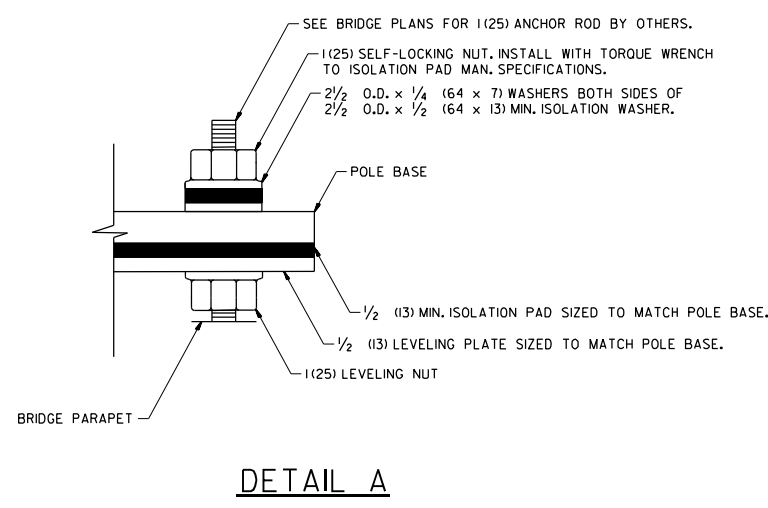
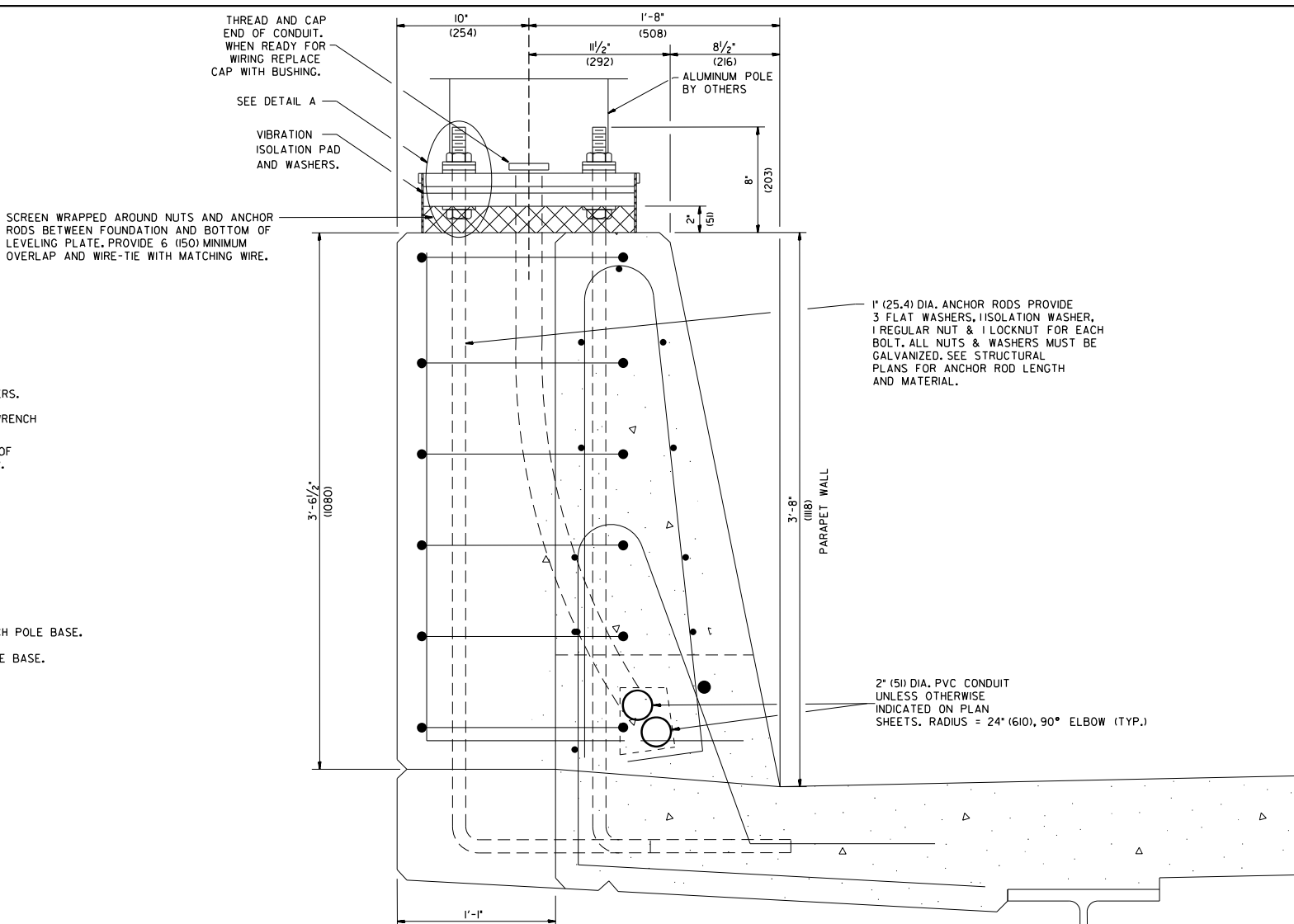
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	DATE - 08/11/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

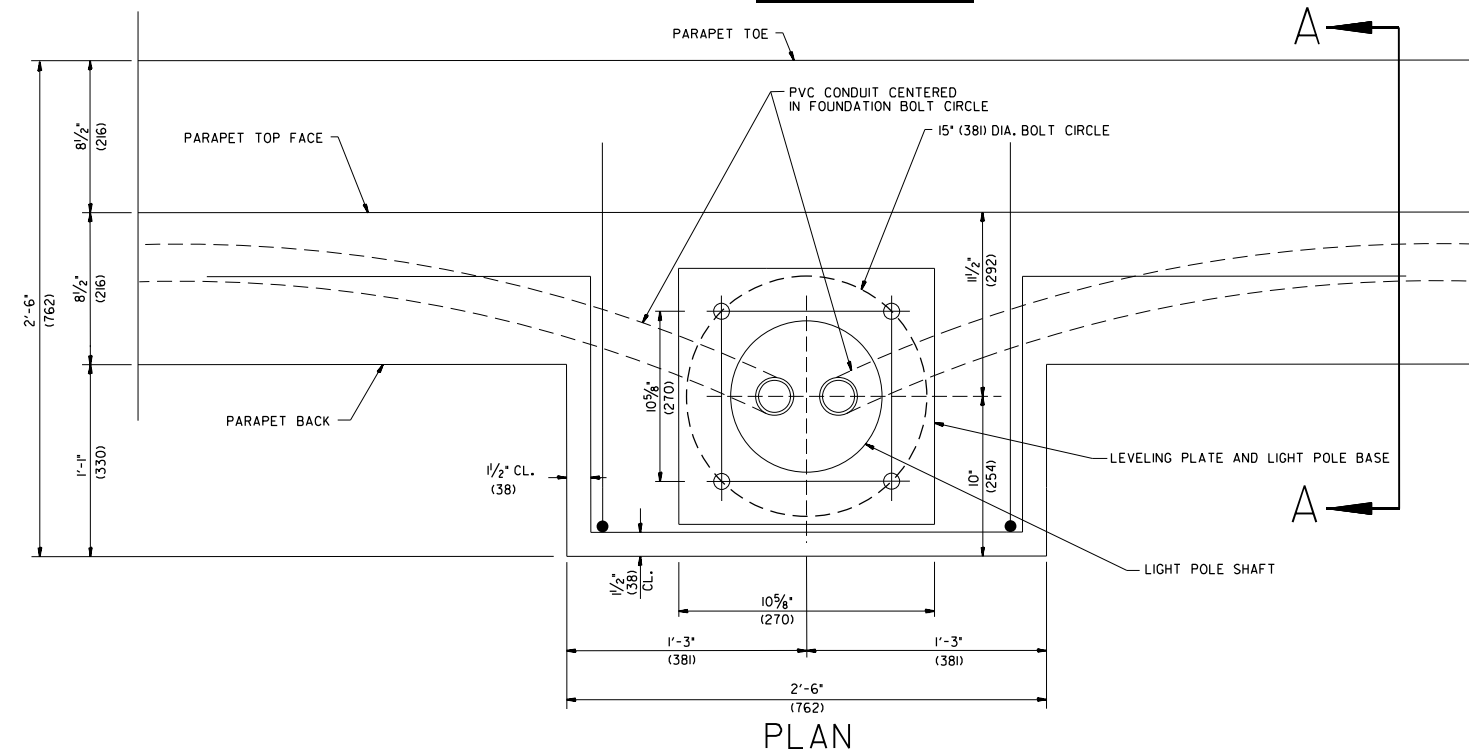
**I-80 CORRIDOR LIGHTING DETAILS
24" (610 mm) DIA. LIGHT POLE FOUNDATION
INTEGRAL WITH DOUBLE FACE BARRIER WALL**

SCALE: SHEET 46 OF 47 SHEETS STA. TO STA.

F.A.I. RTE. 80	SECTION FAI 80 21 INTERCHANGE	COUNTY WILL	TOTAL SHEETS 1059	SHEET NO. 476
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	



SECTION A-A



PLAN

- NOTES**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. THE COST OF ANCHOR RODS IS INCLUDED WITH CONCRETE SUPERSTRUCTURE.
 3. SEE STRUCTURAL PLANS FOR ANCHOR ROD AND REBAR DETAILS.

MODEL: D:\in\...
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 PROJECT: ...
 DATE: ...



USER NAME = vjguskas	DESIGNED - VG	REVISED -
DRAWN - VN/MAG	REVISED -	
CHECKED - RP	REVISED -	
DATE - 08/11/2023	REVISED -	

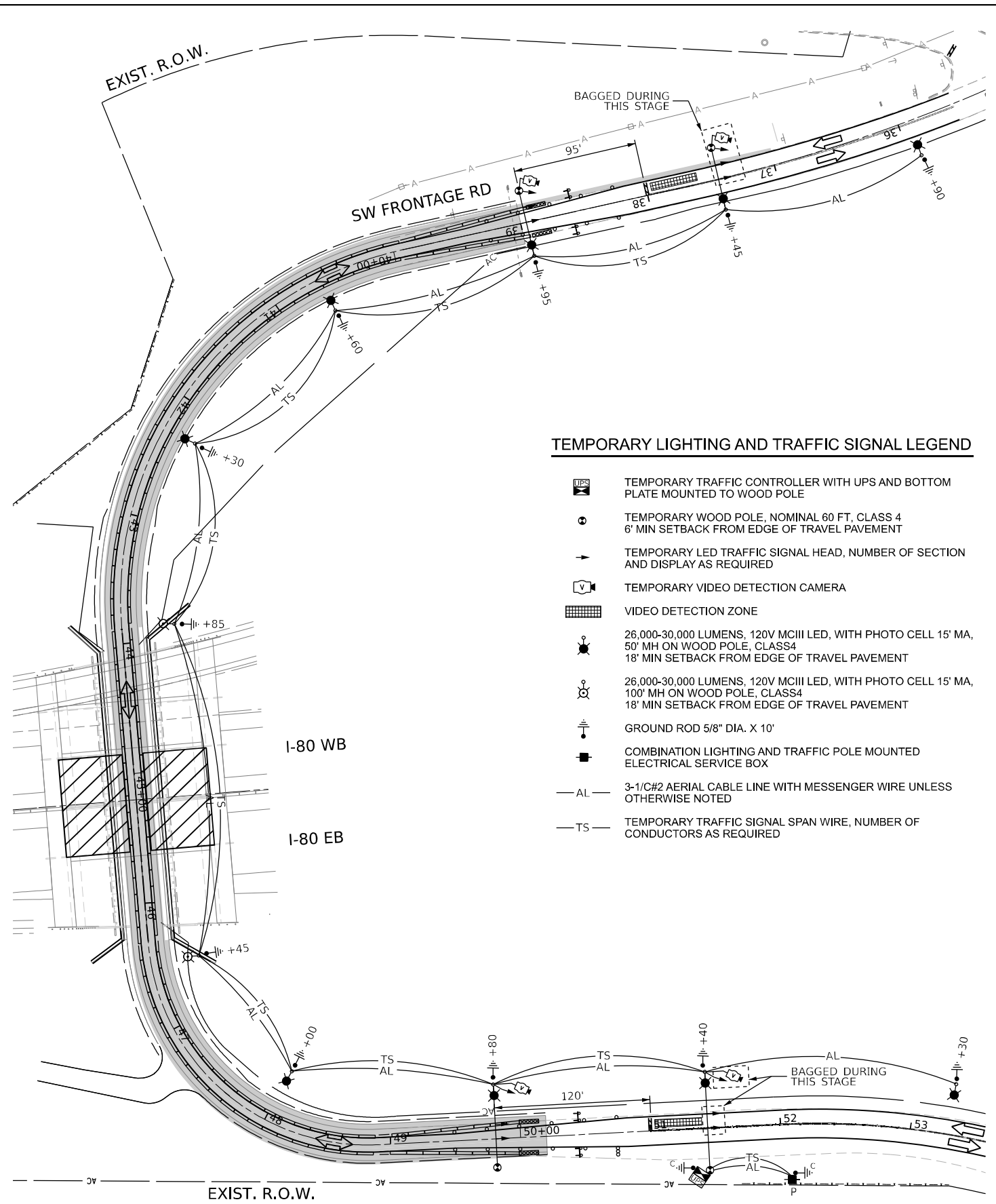
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-80 CORRIDOR LIGHTING DETAILS
LIGHT POLE MOUNTED ON CONCRETE PARAPET WALL
15" (381 mm) BOLT CIRCLE

SCALE: SHEET 47 OF 47 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	FAI 80 21 INTERCHANGE	WILL	1059	477
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

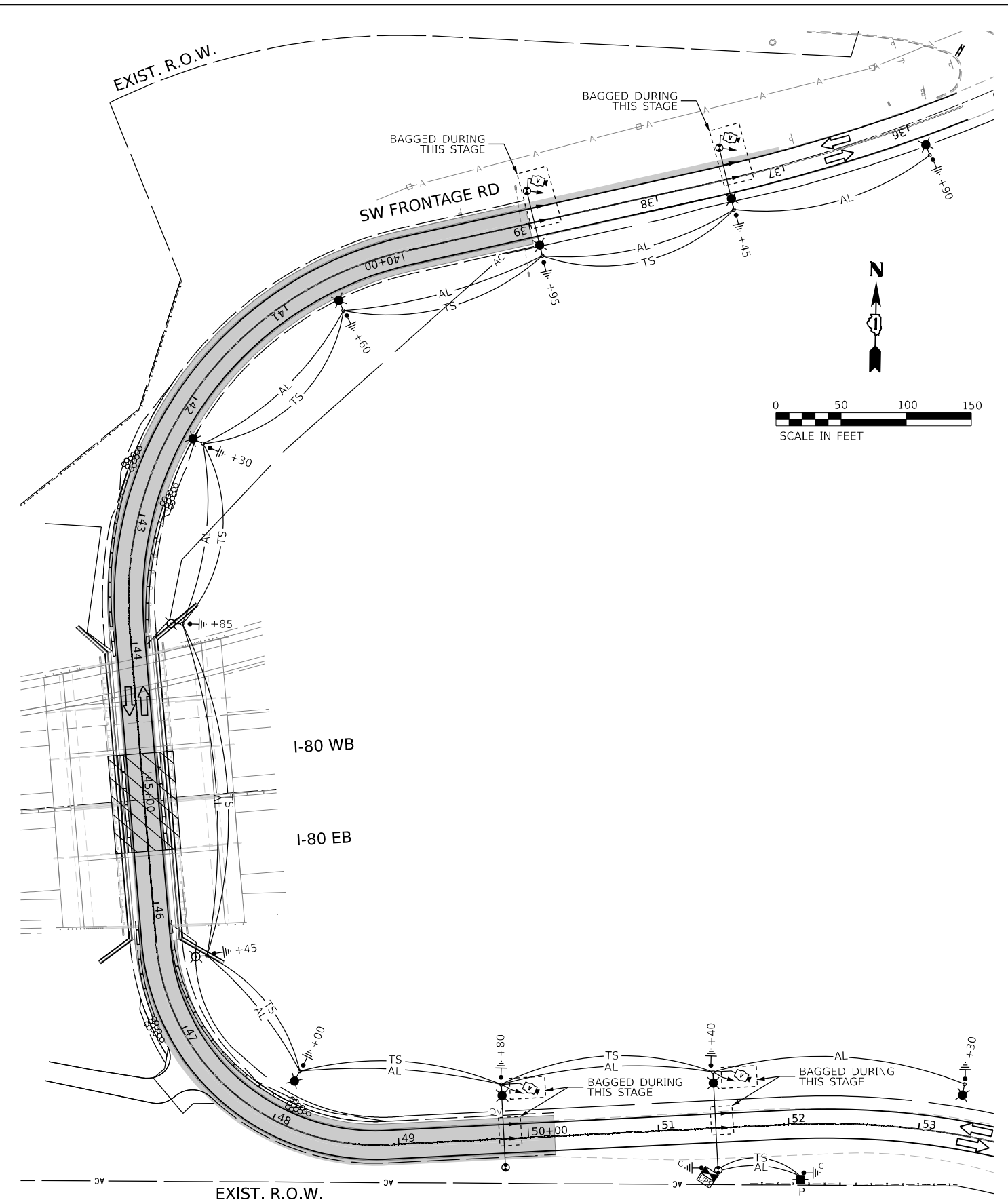
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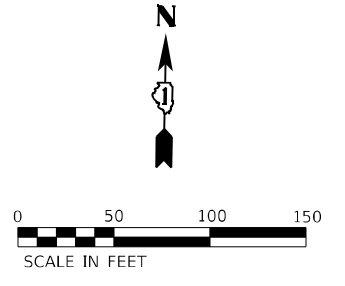
STAGE 1A

TEMPORARY LIGHTING AND TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
- TEMPORARY WOOD POLE, NOMINAL 60 FT. CLASS 4
6' MIN SETBACK FROM EDGE OF TRAVEL PAVEMENT
- TEMPORARY LED TRAFFIC SIGNAL HEAD, NUMBER OF SECTION AND DISPLAY AS REQUIRED
- TEMPORARY VIDEO DETECTION CAMERA
- VIDEO DETECTION ZONE
- 26,000-30,000 LUMENS, 120V MCIII LED, WITH PHOTO CELL 15' MA,
50' MH ON WOOD POLE, CLASS4
18' MIN SETBACK FROM EDGE OF TRAVEL PAVEMENT
- 26,000-30,000 LUMENS, 120V MCIII LED, WITH PHOTO CELL 15' MA,
100' MH ON WOOD POLE, CLASS4
18' MIN SETBACK FROM EDGE OF TRAVEL PAVEMENT
- GROUND ROD 5/8" DIA. X 10'
- COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED
ELECTRICAL SERVICE BOX
- 3-1/2" #2 AERIAL CABLE LINE WITH MESSENGER WIRE UNLESS
OTHERWISE NOTED
- TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF
CONDUCTORS AS REQUIRED



STAGE 1B



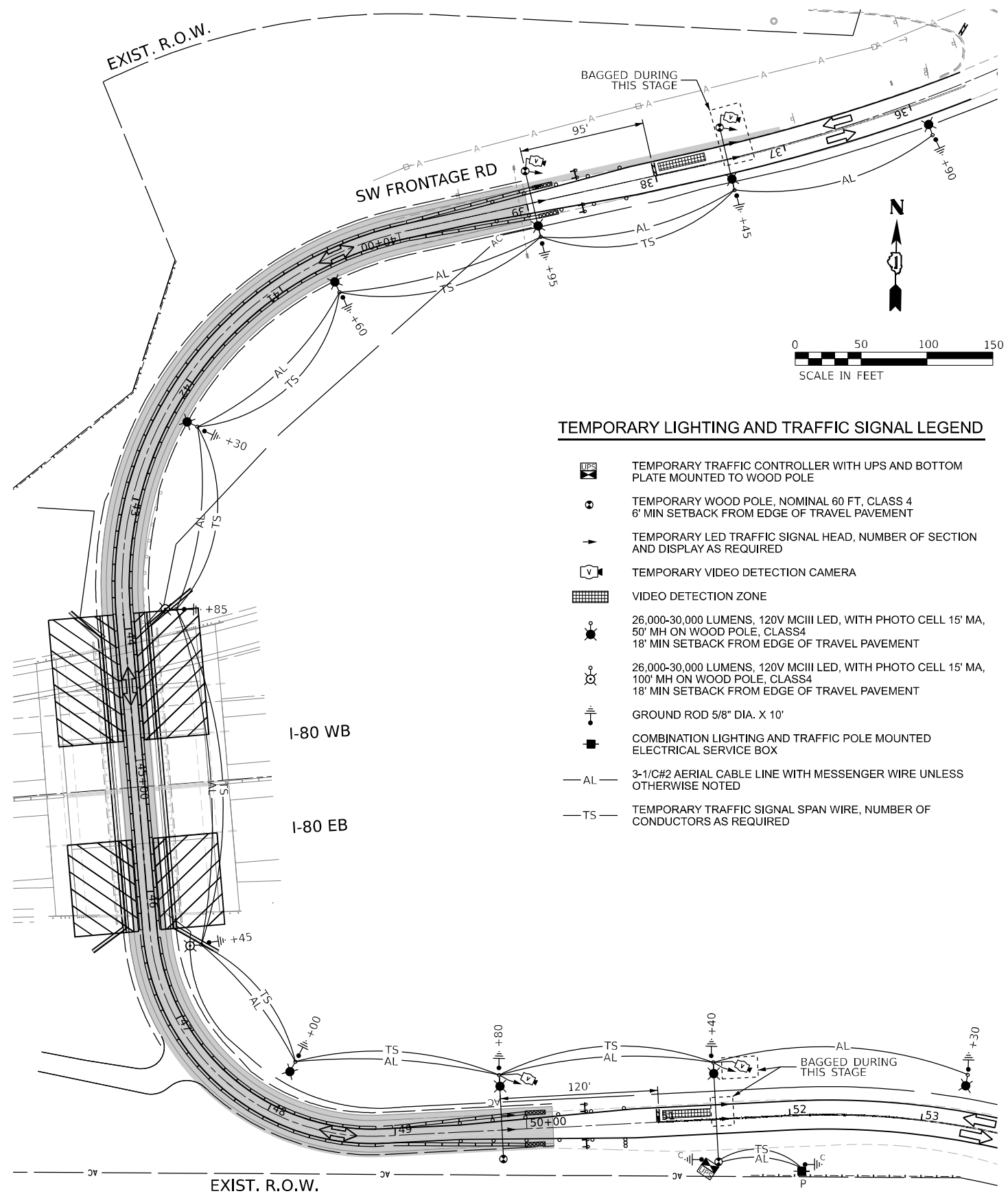
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PLOT DATE = 8/8/2023	CHECKED - GG	REVISED -
	DATE - 08/09/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**












TEMPORARY LIGHTING AND TRAFFIC SIGNALS STAGE 1A AND STAGE 1B	
SW FRONTAGE ROAD UNDER I-80	
SCALE: 1"=50'	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	479
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

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TEMPORARY LIGHTING AND TRAFFIC SIGNAL LEGEND

-  TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
-  TEMPORARY WOOD POLE, NOMINAL 60 FT. CLASS 4
6' MIN SETBACK FROM EDGE OF TRAVEL PAVEMENT
-  TEMPORARY LED TRAFFIC SIGNAL HEAD, NUMBER OF SECTION AND DISPLAY AS REQUIRED
-  TEMPORARY VIDEO DETECTION CAMERA
-  VIDEO DETECTION ZONE
-  26,000-30,000 LUMENS, 120V MCIII LED, WITH PHOTO CELL 15' MA,
50' MH ON WOOD POLE, CLASS4
18' MIN SETBACK FROM EDGE OF TRAVEL PAVEMENT
-  26,000-30,000 LUMENS, 120V MCIII LED, WITH PHOTO CELL 15' MA,
100' MH ON WOOD POLE, CLASS4
18' MIN SETBACK FROM EDGE OF TRAVEL PAVEMENT
-  GROUND ROD 5/8" DIA. X 10'
-  COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED
ELECTRICAL SERVICE BOX
-  — AL — 3-1/2#2 AERIAL CABLE LINE WITH MESSENGER WIRE UNLESS
OTHERWISE NOTED
-  — TS — TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF
CONDUCTORS AS REQUIRED

STAGE 2A



USER NAME = echol	DESIGNED - EEC	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN - EEC	REVISED -
PLOT DATE = 8/8/2023	CHECKED - GG	REVISED -
	DATE - 08/09/2023	REVISED -

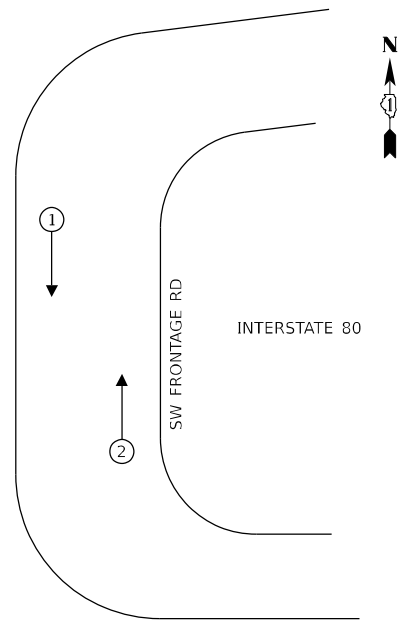
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND TRAFFIC SIGNALS STAGE 2A
 SW FRONTAGE ROAD UNDER I-80**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	480
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				

TEMPORARY CONTROLLER SEQUENCE

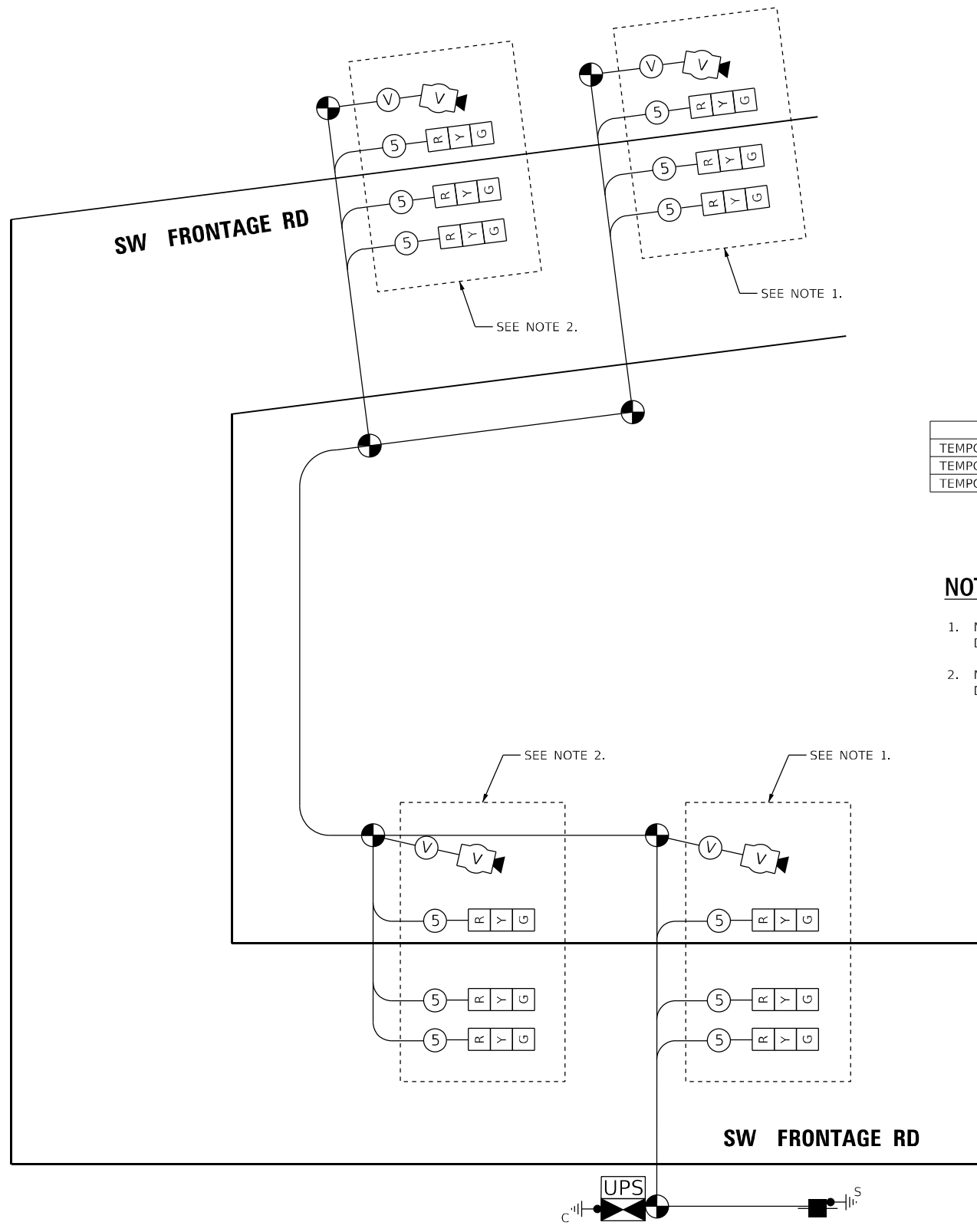


LEGEND:

← ⊛ SINGLE ENTRY PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- ⊞ TEMPORARY TRAFFIC CONTROLLER
- ⊞ R TEMPORARY TRAFFIC SIGNAL HEAD SECTION
- ⊞ 5 INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED
- ⊞ V VIDEO DETECTION CAMERA
- ⊞ V VIDEO DETECTOR CABLE AS RECOMMENDED BY VIDEO CAMERA MANUFACTURER
- ⊞ UPS UNINTERRUPTIBLE POWER SUPPLY SYSTEM



SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY LIGHTING FOR SINGLE LANE STAGING	L SUM	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

NOTES

1. MARKED SIGNAL HEADS AND THE VIDEO DETECTION CAMERA ARE TO BE BAGGED DURING STAGE 1A, STAGE 1B, STAGE 2A, AND STAGE 2B.
2. MARKED SIGNAL HEADS AND THE VIDEO DETECTION CAMERA ARE TO BE BAGGED DURING PRE-STAGE 1, PRE-STAGE 2, STAGE 1B, AND STAGE 2B.

TEMPORARY TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	6	17	50	51.0
(YELLOW)	6	25	5	7.5
(GREEN)	6	15	45	40.5
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
LUMINAIRE	11	400	50	2200.0
TOTAL =				2574.0

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: _____
TOWER ACCOUNT NUMBER: _____

TEMPORARY CABLE PLAN – ALL STAGES
(NOT TO SCALE)

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL RESTORE ROAD TO PRE-CONSTRUCTION CONDITIONS AFTER COMPLETION OF WORK.
2. PROPOSED SERVICE TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER SHALL BE 240/120V.

MODEL: Default; FILE: I:\MISC_Plan\transysystems\pub\berthle_c\construct\transysystems\labeled\Documents\project_2018\CH401\401180027\01_Schematic\CAD\NH_04_621228\04_Sheets\172SignalBridge_Temporary_Signal\01621228-04.dgn



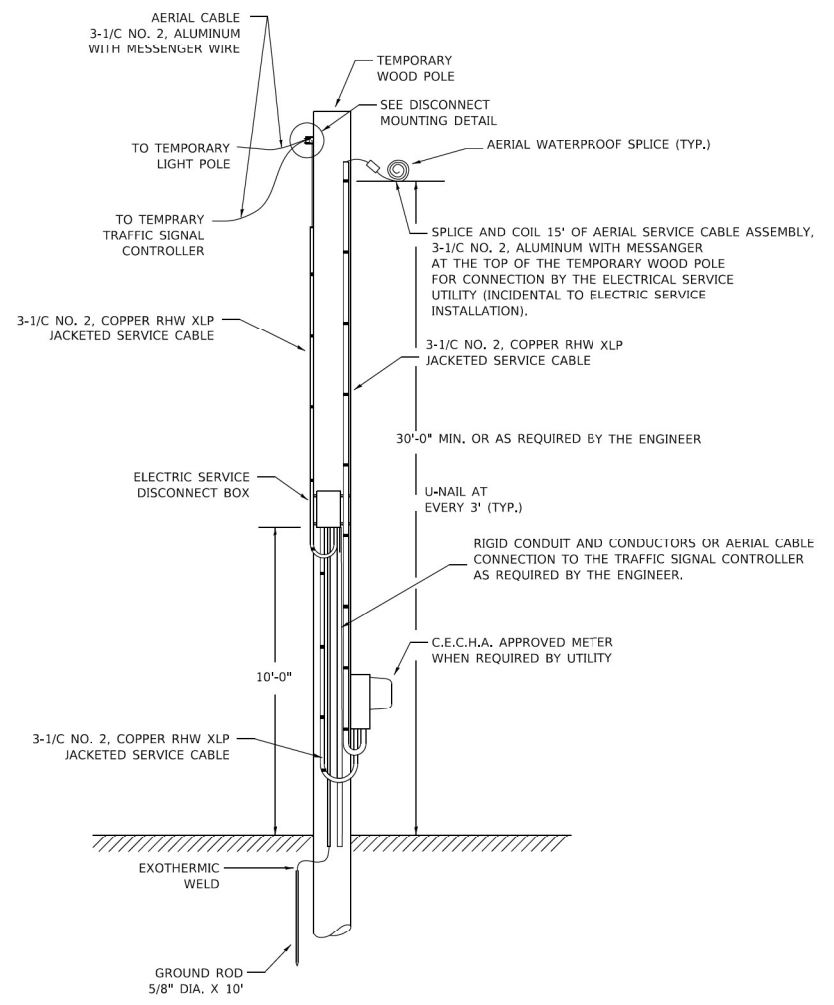
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PLOT DATE = 8/8/2023	CHECKED - GG	REVISED -
	DATE - 08/09/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

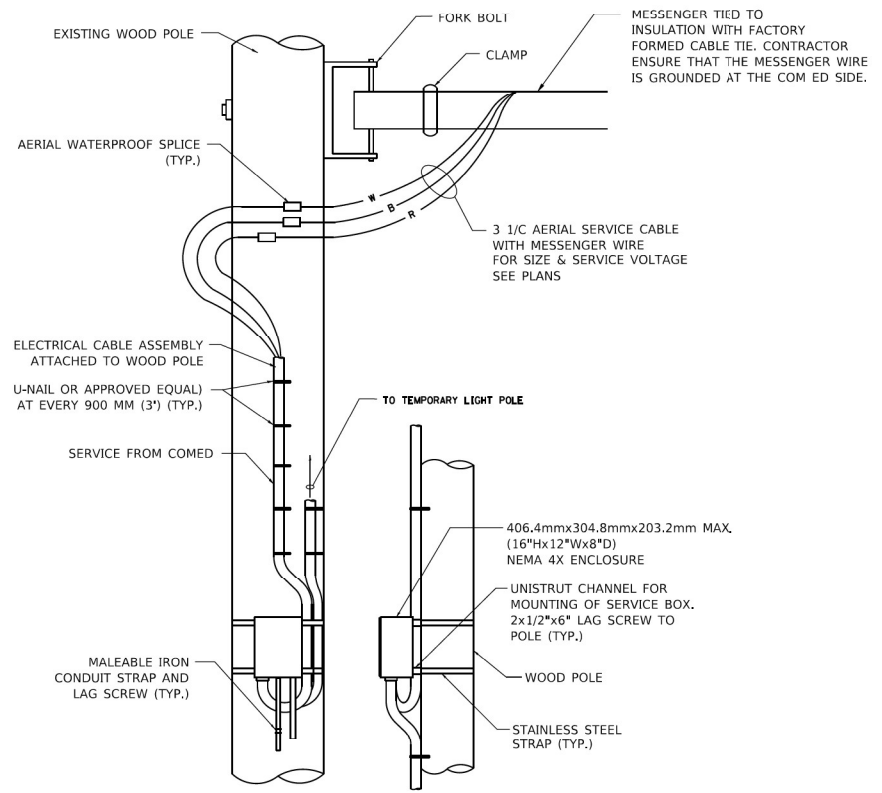
TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM – ALL STAGES
SW FRONTAGE ROAD UNDER I-80

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

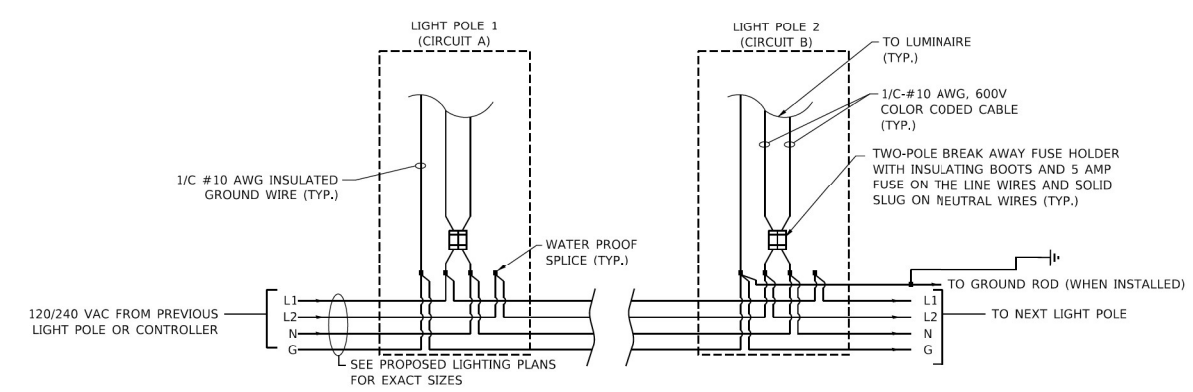
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	481
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



TEMPORARY SERVICE INSTALLATION DETAIL
NOT TO SCALE



DISCONNECT MOUNTING DETAIL
NOT TO SCALE



LIGHT POLE WIRING DETAIL
NOT TO SCALE

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USER NAME = footemj	DESIGNED - MP	REVISED -
DRAWN -	REVISIONS -	
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/19/2019	DATE - 01/14/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND TRAFFIC SIGNALS
FOR SINGLE LANE STAGING**

SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-805			
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

USER NAME = echol	DESIGNED - EEC	REVISED -
DRAWN - EEC	REVISIONS -	
PLOT SCALE = 2,000 ' / in.	CHECKED - GG	REVISED -
PLOT DATE = 8/8/2023	DATE - 08/09/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT D1 STANDARD BE - 805

SCALE: NTS SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	484
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	



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SYMBOLS FOR EXISTING CONDITIONS

- Ⓐ AUTOMATIC TRAFFIC RECORDER (ATR) STATION
- Ⓑ BLUETOOTH DETECTION ASSEMBLY
- Ⓒ CLOSED CIRCUIT TELEVISION CAMERA
- Ⓓ DYNAMIC MESSAGE SIGN
- Ⓔ HEAVY DUTY HANDHOLE (ELECTRICAL)
- Ⓕ COMMUNICATIONS VAULT
- Ⓖ JUNCTION BOX ATTACHED TO STRUCTURE
- ITS POLE AND FOUNDATION
- ⓧ GROUND MOUNTED CABINET
- ⓨ POLE MOUNTED CABINET
- ⓪ ELECTRIC UTILITY POLE
- ⚡ POLE MOUNTED ELECTRIC UTILITY TRANSFORMER(S)
- Ⓜ PAD MOUNTED ELECTRIC UTILITY TRANSFORMER
- Ⓢ SERVICE METER PEDESTAL
- Ⓚ INDUCTION LOOP

SYMBOLS FOR PROPOSED WORK

- Ⓔ HEAVY DUTY HANDHOLE (ELECTRICAL)
- Ⓕ COMMUNICATIONS VAULT (IDOT)
- Ⓖ COMMUNICATIONS VAULT (THIRD PARTY)
- Ⓖ JUNCTION BOX ATTACHED TO STRUCTURE*
- CONCRETE FOUNDATION FOR FUTURE ITS POLE
- Ⓖ TYPE "A" FOUNDATION FOR FUTURE DISCONNECT
- Ⓜ FOUNDATION FOR FUTURE GROUND MOUNTED CABINET*
- Ⓜ FOUNDATION MOUNTED CABINET*
- ⓪ ELECTRIC UTILITY POLE
- ⚡ POLE MOUNTED ELECTRIC UTILITY TRANSFORMER(S)
- Ⓜ PAD MOUNTED ELECTRIC UTILITY TRANSFORMER
- Ⓢ SERVICE METER PEDESTAL
- Ⓚ WOOD POLE, 100 FT, CLASS 2
- Ⓒ CLOSED CIRCUIT TELEVISION CAMERA (WEBCAM)
- Ⓚ INDUCTION LOOP

*TYPE AND/OR SIZE AS INDICATED ON PLANS

ABBREVIATIONS*

(A)	ABANDON IN PLACE
ATR	AUTOMATIC TRAFFIC RECORDER
ATS	ATTACHED TO STRUCTURE
CCTV	CLOSED CIRCUIT TELEVISION
CNC	COILABLE NONMETALLIC CONDUIT
COMM	COMMUNICATION
DCF	DISTRIBUTION CABLE FIBER
DMS	DYNAMIC MESSAGE SIGN
F	FIBER
FRE	FIBERGLASS REINFORCED EXPOXY (CONDUIT)
FT	FEET
GS	GALVANIZED STEEL
HDHH	HEAVY DUTY HANDHOLE
JB	JUNCTION BOX
NTS	NOT TO SCALE
OFF	OFFSET
SM	SINGLE MODE
TCF	TRUNK CABLE FIBER
TRNS	TRANSFORMER

*NOT LISTED IN IDOT STANDARD 000001-08

LINESTYLES FOR EXISTING CONDITIONS

- / — E — / — E — / — ELECTRICAL CABLE IN CONDUIT*
- / — FO — / — FO — / — FIBER OPTIC CABLE IN CONDUIT*
- E — E — CONDUIT AND ELECTRICAL CABLE TO REMAIN
- FO — FO — CONDUIT AND FIBER OPTIC CABLE TO REMAIN
- — — — — 2" CONDUIT W/4C #18

*CABLE TO BE REMOVED;
CONDUIT TO BE ABANDONED

LINESTYLES FOR PROPOSED WORK

- E — E — CONDUIT FOR FUTURE ELECTRICAL CABLE*
- FO — FO — MICRODUCT OR INNERDUCT FOR FUTURE FIBER OPTIC CABLE*
- — — — — 2" CONDUIT W/4C #18
- — — — — CONDUIT SLEEVE*

*TYPE AND SIZE AS INDICATED ON PLANS

NON-ITS ELEMENTS LEGEND

- T — — — — — EXISTING UNDERGROUND TELEPHONE
- G — — — — — EXISTING UNDERGROUND GAS
- CTV — — — — — EXISTING UNDERGROUND CABLE TV
- W — — — — — EXISTING UNDERGROUND WATER
- O — — — — — EXISTING UNDERGROUND OIL
- AC — — — — — EXISTING ACCESS CONTROL AND ROW FENCE
- A — — — — — EXISTING AERIAL LINE
- — — — — EXISTING GUARDRAIL
- — — — — Existing STORM SEWER
- Ⓚ EXISTING LIGHTING
- Ⓚ EXISTING SIGNAGE
- AC — — — — — PROPOSED ACCESS CONTROL AND ROW FENCE
- — — — — Proposed GUARDRAIL
- — — — — PROPOSED STORM SEWER
- — — — — PROPOSED Underdrain
- ⊙ — — — — — PROPOSED DRAINAGE
- ← — — — — — PROPOSED DRAINAGE FLOW
- Ⓚ — — — — — PROPOSED LIGHTING
- Ⓚ — — — — — PROPOSED SIGNAGE

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GENERAL NOTES

- A MINIMUM OF SEVENTY-TWO (72) HOURS BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 OR 811 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED IN THE FIELD.
- IDOT FACILITIES ARE NOT LOCATED BY JULIE OR DIGGER. IDOT ELECTRICAL FACILITIES INCLUDING ROADWAY LIGHTING, FIBER OPTIC, ITS EQUIPMENT, TRAFFIC SIGNAL AND PUMP STATION FACILITIES ARE LOCATED BY THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR. AS OF THE LETTING DATE, CONTACT THE MEADE ELECTRIC COMPANY AT 773-287-7672.
- AFTER THE INITIAL LOCATE OF IDOT FACILITIES, THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTOR'S EXPENSE.
- THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THEIR ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES. THE CONTRACTOR SHALL REPORT ANY ENCOUNTERED DISCREPANCIES TO THE ENGINEER AT ONCE. THE CONTRACTOR SHALL TAKE DUE CARE.
- POTHOLING TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE UNDERGROUND CONDUIT PAY ITEMS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
- THE CONTRACTOR SHALL VERIFY ADEQUATE CLEARANCE OVER/UNDER EXISTING AND PROPOSED FACILITIES BEFORE INSTALLING DUCTS, CONDUIT AND CABLES. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO EXCAVATION.
- CONDUIT CROSSING OVER/UNDER OTHER UTILITIES OR DRAINAGE SHALL MAINTAIN A SEPERATION OF AT LEAST 18 INCHES OR AS SPECIFIED BY OWNING UTILITY.
- CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30" DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES.
- NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 30 INCHES MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES, DRAIANGE PIPES, AND STRUCTURES OR TO ENTER COMMUNICATIONS VAULTS OR HANDHOLES.
- THE CONTRACTOR SHALL AVOID TRENCHING THROUGH WETLAND AREA, ROADSIDE DITCHES AND RETENTION PONDS.
- IDOT MICRODUCT SHALL ONLY ENTER IDOT COMMUNICATIONS VAULTS.
- THIRD PARTY MICRODUCT SHALL ONLY ENTER THIRD PARTY COMMUNICATIONS VAULTS.
- THE COMMUNICATION VAULT SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- ITS REMOVAL PLAN SHEETS DEPICT EXISTING CONDITIONS AND WORK TO BE PERFORMED TO MAINTAIN, REMOVE, SALVAGE, OR ABANDON EXISTING ITS INFRASTRUCTURE. PROPOSED ITS PLAN SHEETS DEPICT NEW ITS INFRASTRUCTURE TO BE INSTALLED.
- ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS. EXCAVATED MATERIALS SHALL BE DISPOSED OF AT LOCATIONS DESIGNATED BY THE ENGINEER. ANY SUCH DISPOSAL SHALL BE COMPLETED IN SUCH A MANNER THAT PUBLIC OR PRIVATE PROPERTY WILL NOT BE DAMAGED OR ENDANGERED AND SHALL NOT CREATE AN UNSIGHTLY OR OBJECTIONABLE APPEARANCE OR DETRACT FORM THE NATURAL TOPOGRAPHIC FEATURES WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
- ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
- ELECTRICAL HANDHOLE COVER LEGEND SHALL BE "IDOT ITS".
- ITS SYMBOLS ARE OVERSIZED ON THE PLANS FOR CLARITY. CONTRACTOR SHALL USE STATIONS AND OFFSETS TO ACCURATELY LOCATE EQUIPMENT.

BILL OF MATERIALS

ITEM	DESCRIPTION	UNIT	QTY	IDOT QTY*	THIRD PARTY QTY*
20200200	ROCK EXCAVATION	CU YD	1,100	-	-
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	1,100	-	-
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2	-	-
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1**	-	-
81024600	CONDUIT ENCASED, CONCRETE, 6" DIA., PVC 1 WIDE X 1 HIGH	FOOT	50	-	-
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	66	-	-
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	3,470	3,001	469
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	6,851	-	-
81300915	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 20" X 20" X 8"	EACH	2	-	-
81400200	HEAVY-DUTY HANDHOLE	EACH	18	-	-
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,993	-	-
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	3,986	-	-
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	474	-	-
84200804	REMOVAL OF POLE FOUNDATION	EACH	4	-	-
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9	-	-
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	40	-	-
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	1	-	-
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6,461	-	-
89502380	REMOVE EXISTING HANDHOLE	EACH	19	-	-
X0322141	REMOVE TEMPORARY WOOD POLE	EACH	1	-	-
X0326092	RELOCATE CLOSED CIRCUIT TELEVISION SURVEILLANCE CAMERA SYSTEM	EACH	1	-	-
X0327616	MAINTAINING ITS DURING CONSTRUCTION	CAL MO	35	-	-
X1400012	REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	4,528	-	-
X1400266	CLOSED CIRCUIT TELEVISION CAMERA	CAL MO	35	-	-
X8140115	HANDHOLE TO BE ADJUSTED	EACH	2	-	-
X8302100	WOOD POLE, 100FT, CLASS 2	EACH	1	-	-
X8710304	FIBER OPTIC CABLE SPLICE - LATERAL	EACH	4	-	-
X8710306	FIBER OPTIC CABLE SPLICE - MAINLINE	EACH	6	-	-
X8710318	FIBER OPTIC UTILITY MARKER	EACH	49	33	16
X8710402	FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	4,821	-	-
X8850102	INDUCTION LOOP	FOOT	74	-	-
X8950425	REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT	L SUM	1	-	-
X8950450	REMOVE EXISTING UNDERGROUND CONDUIT	FOOT	32	-	-
X8950510	REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	23,460	-	-
Z0033052	COMMUNICATIONS VAULT	EACH	44	30	14
ZZZZZZZ1	UNDERGROUND CONDUIT, MULTI-DUCT, 7-18MM MICRODUCTS	FOOT	32,973	22,005	10,968
ZZZZZZZ2	CONDUIT ATTACHED TO STRUCTURE, RIGID NONMETALLIC, 2" DIA.	FOOT	112	-	-
ZZZZZZZ3	CONDUIT ATTACHED TO STRUCTURE, RIGID NONMETALLIC, 4" DIA.	FOOT	2,001	1,334	667

*THESE COLUMNS ARE NOT ADDITIONAL QUANTITY. THEY PROVIDE THE QUANTITY SPLIT BETWEEN IDOT AND THIRD PARTY FOR THE ITEMS LISTED.
 **SHARED WITH ROADWAY LIGHTING

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PLOT DATE = 8/9/2023	DATE - 08/11/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS GENERAL NOTES AND BILL OF MATERIALS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		I-80	FAI 80 21 STRUCTURE 7	WILL	1059	487
SCALE: NA	SHEET 2	OF 3	SHEETS	STA. NA	TO STA. NA	CONTRACT NO. 62R28

ILLINOIS	FED. AID PROJECT
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SITE REMOVALS SCHEDULE

SITE TYPE	STATION	OFFSET	ASSOCIATED PAY ITEM
BLUETOOTH	316+79	80' RT	84200804, X8950425
BLUETOOTH	344+84	90' LT	84200804, X8950425
BLUETOOTH	371+66	130' RT	84200804, X8950425
BLUETOOTH	397+43	95' LT	84200804, X8950425

PROPOSED SITE SCHEDULE

ITEM	STATION	OFFSET	ASSOCIATED PAY ITEM
30" DIA. CONCRETE FOUNDATION	316+00	73' RT	87800400
30" DIA. CONCRETE FOUNDATION	343+00	90' LT	87800400
ELECTRIC SERVICE	47+76 FRONTAGE ROAD	82' RT	80400100, 80400200
ELECTRIC SERVICE	34+64 RAMP B	18' RT	80400100, 80400200
30" DIA. CONCRETE FOUNDATION	369+25	100' LT	87800400
30" DIA. CONCRETE FOUNDATION	385+00	83.5' LT	87800400

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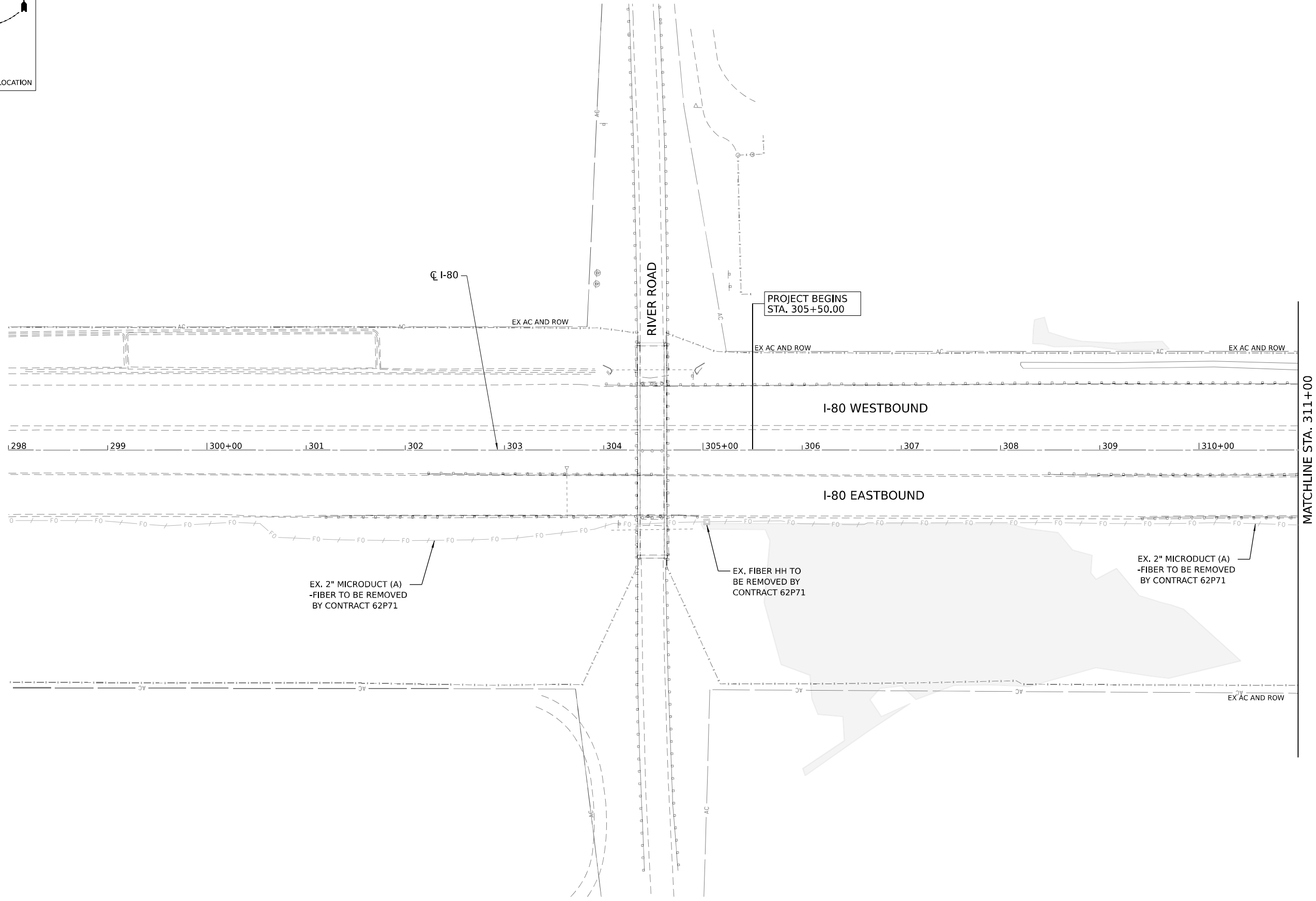
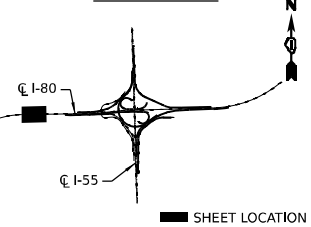
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS SCHEDULES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	488
			CONTRACT NO. 62R28	
		ILLINOIS	FED. AID PROJECT	

KEY PLAN



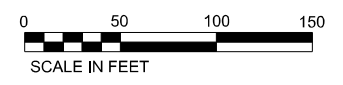
PROJECT BEGINS
STA. 305+50.00

MATCHLINE STA. 311+00

EX. 2" MICRODUCT (A)
-FIBER TO BE REMOVED
BY CONTRACT 62P71

EX. FIBER HH TO
BE REMOVED BY
CONTRACT 62P71

EX. 2" MICRODUCT (A)
-FIBER TO BE REMOVED
BY CONTRACT 62P71



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PLOT DATE	8/9/2023				

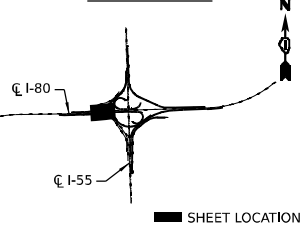
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS REMOVAL PLANS

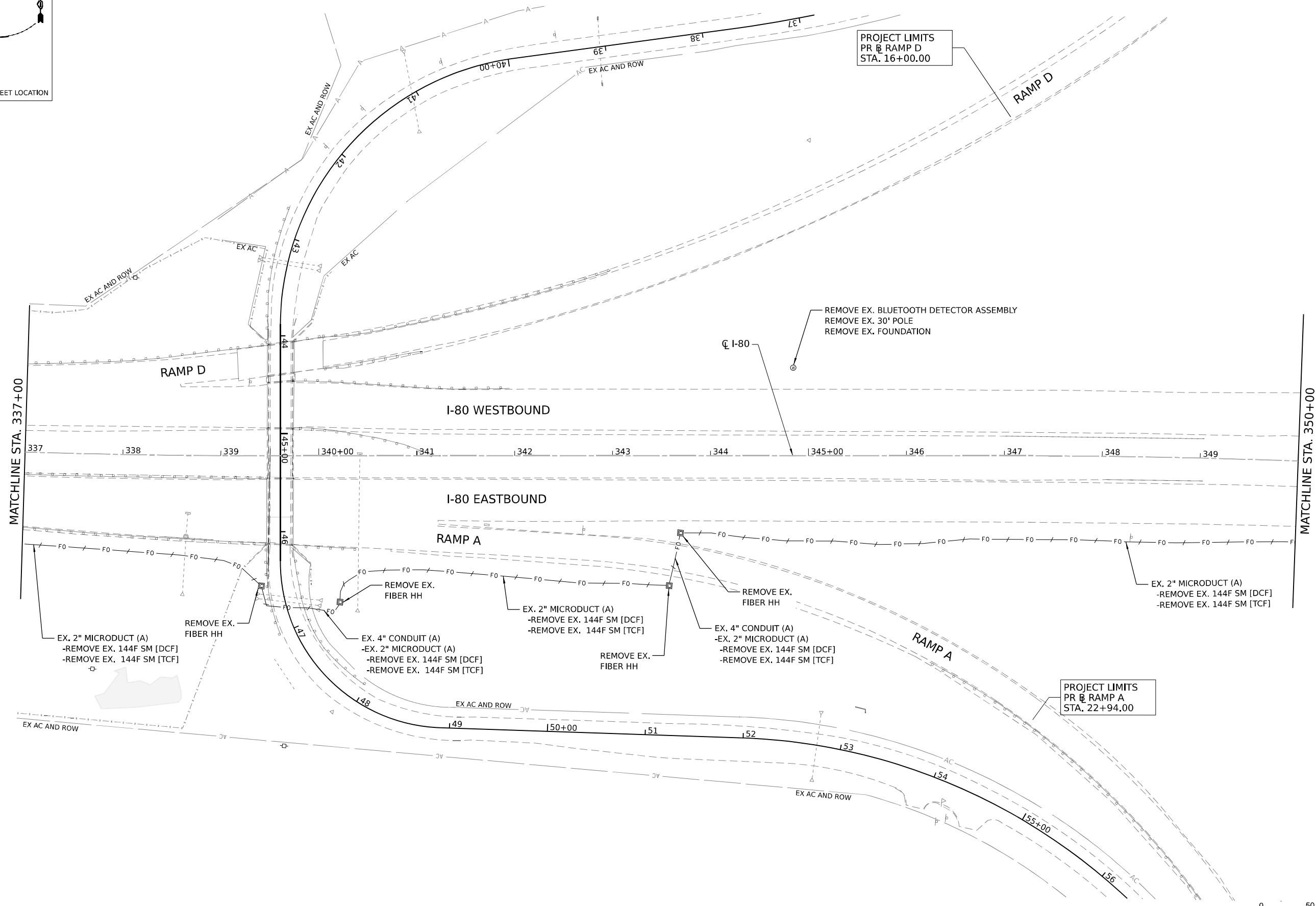
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	489
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

KEY PLAN



SHEET LOCATION



PROJECT LIMITS
PR RAMP D
STA. 16+00.00

REMOVE EX. BLUETOOTH DETECTOR ASSEMBLY
REMOVE EX. 30' POLE
REMOVE EX. FOUNDATION

PROJECT LIMITS
PR RAMP A
STA. 22+94.00

EX. 2" MICRODUCT (A)
-REMOVE EX. 144F SM [DCF]
-REMOVE EX. 144F SM [TCF]

REMOVE EX. FIBER HH

EX. 4" CONDUIT (A)
-EX. 2" MICRODUCT (A)
-REMOVE EX. 144F SM [DCF]
-REMOVE EX. 144F SM [TCF]

REMOVE EX. FIBER HH

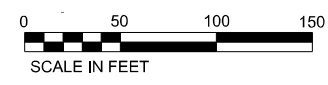
EX. 2" MICRODUCT (A)
-REMOVE EX. 144F SM [DCF]
-REMOVE EX. 144F SM [TCF]

REMOVE EX. FIBER HH

EX. 4" CONDUIT (A)
-EX. 2" MICRODUCT (A)
-REMOVE EX. 144F SM [DCF]
-REMOVE EX. 144F SM [TCF]

REMOVE EX. FIBER HH

EX. 2" MICRODUCT (A)
-REMOVE EX. 144F SM [DCF]
-REMOVE EX. 144F SM [TCF]



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 DATE: 8/9/2023

TranSmart
100 S. Wacker Drive Suite 400
Chicago, Illinois 60606

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PLOT DATE	8/9/2023				

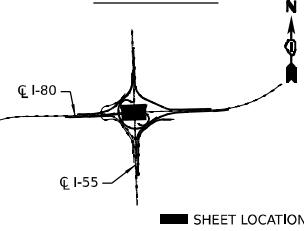
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS REMOVAL PLANS

SCALE: 1"=50' SHEET 4 OF 11 SHEETS STA. 337+00 TO STA. 350+00

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

KEY PLAN

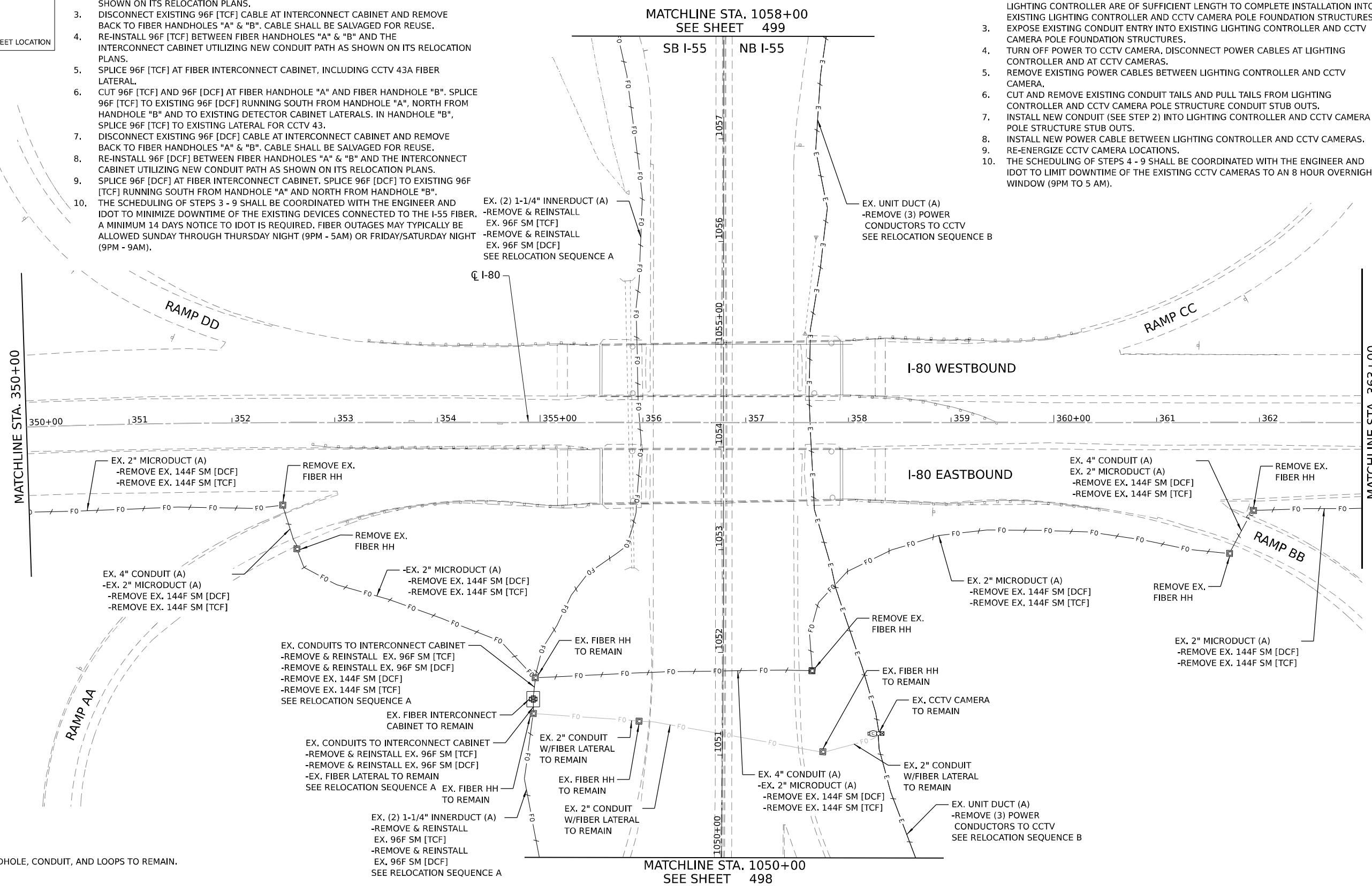


RELOCATION SEQUENCE A (I-55 FIBER)

1. WORK IN THIS SEQUENCE SHALL BE COMPLETED PRIOR TO STAGE 1 TO ENSURE THAT EXISTING FIBER OPTIC CABLE IS NOT IN CONFLICT WITH THE I-80 OVER I-55 BRIDGE REMOVAL AND REPLACEMENT WORK.
2. COMPLETE INSTALLATION OF CONDUIT BETWEEN EXISTING INTERCONNECT CABINET AND FIBER HANDHOLES "A" (I-55 SB, STA 1044+23) AND "B" (I-55 SB, STA 1062+24) AS SHOWN ON ITS RELOCATION PLANS.
3. DISCONNECT EXISTING 96F [TCF] CABLE AT INTERCONNECT CABINET AND REMOVE BACK TO FIBER HANDHOLES "A" & "B". CABLE SHALL BE SALVAGED FOR REUSE.
4. RE-INSTALL 96F [TCF] BETWEEN FIBER HANDHOLES "A" & "B" AND THE INTERCONNECT CABINET UTILIZING NEW CONDUIT PATH AS SHOWN ON ITS RELOCATION PLANS.
5. SPLICE 96F [TCF] AT FIBER INTERCONNECT CABINET, INCLUDING CCTV 43A FIBER LATERAL.
6. CUT 96F [TCF] AND 96F [DCF] AT FIBER HANDHOLE "A" AND FIBER HANDHOLE "B". SPLICE 96F [TCF] TO EXISTING 96F [DCF] RUNNING SOUTH FROM HANDHOLE "A", NORTH FROM HANDHOLE "B" AND TO EXISTING DETECTOR CABINET LATERALS. IN HANDHOLE "B", SPLICE 96F [TCF] TO EXISTING LATERAL FOR CCTV 43.
7. DISCONNECT EXISTING 96F [DCF] CABLE AT INTERCONNECT CABINET AND REMOVE BACK TO FIBER HANDHOLES "A" & "B". CABLE SHALL BE SALVAGED FOR REUSE.
8. RE-INSTALL 96F [DCF] BETWEEN FIBER HANDHOLES "A" & "B" AND THE INTERCONNECT CABINET UTILIZING NEW CONDUIT PATH AS SHOWN ON ITS RELOCATION PLANS.
9. SPLICE 96F [DCF] AT FIBER INTERCONNECT CABINET. SPLICE 96F [DCF] TO EXISTING 96F [TCF] RUNNING SOUTH FROM HANDHOLE "A" AND NORTH FROM HANDHOLE "B".
10. THE SCHEDULING OF STEPS 3 - 9 SHALL BE COORDINATED WITH THE ENGINEER AND IDOT TO MINIMIZE DOWNTIME OF THE EXISTING DEVICES CONNECTED TO THE I-55 FIBER. A MINIMUM 14 DAYS NOTICE TO IDOT IS REQUIRED. FIBER OUTAGES MAY TYPICALLY BE ALLOWED SUNDAY THROUGH THURSDAY NIGHT (9PM - 5AM) OR FRIDAY/SATURDAY NIGHT (9PM - 9AM).

RELOCATION SEQUENCE B (CCTV POWER CABLE)

1. WORK IN THIS SEQUENCE SHALL BE COMPLETED PRIOR TO STAGE 1 TO ENSURE THAT EXISTING POWER CABLE IS NOT IN CONFLICT WITH THE I-80 OVER I-55 BRIDGE REMOVAL AND REPLACEMENT WORK.
2. COMPLETE INSTALLATION OF CONDUIT FOR POWER CABLE AS SHOWN ON ITS RELOCATION PLANS. ENSURE CONDUIT TAILS AT CCTV CAMERA LOCATIONS AND LIGHTING CONTROLLER ARE OF SUFFICIENT LENGTH TO COMPLETE INSTALLATION INTO EXISTING LIGHTING CONTROLLER AND CCTV CAMERA POLE FOUNDATION STRUCTURES.
3. EXPOSE EXISTING CONDUIT ENTRY INTO EXISTING LIGHTING CONTROLLER AND CCTV CAMERA POLE FOUNDATION STRUCTURES.
4. TURN OFF POWER TO CCTV CAMERA, DISCONNECT POWER CABLES AT LIGHTING CONTROLLER AND AT CCTV CAMERAS.
5. REMOVE EXISTING POWER CABLES BETWEEN LIGHTING CONTROLLER AND CCTV CAMERA.
6. CUT AND REMOVE EXISTING CONDUIT TAILS AND PULL TAILS FROM LIGHTING CONTROLLER AND CCTV CAMERA POLE STRUCTURE CONDUIT STUB OUTS.
7. INSTALL NEW CONDUIT (SEE STEP 2) INTO LIGHTING CONTROLLER AND CCTV CAMERA POLE STRUCTURE STUB OUTS.
8. INSTALL NEW POWER CABLE BETWEEN LIGHTING CONTROLLER AND CCTV CAMERAS.
9. RE-ENERGIZE CCTV CAMERA LOCATIONS.
10. THE SCHEDULING OF STEPS 4 - 9 SHALL BE COORDINATED WITH THE ENGINEER AND IDOT TO LIMIT DOWNTIME OF THE EXISTING CCTV CAMERAS TO AN 8 HOUR OVERNIGHT WINDOW (9PM TO 5 AM).



- NOTES
1. EXISTING HANDHOLE, CONDUIT, AND LOOPS TO REMAIN.

MODEL: D:\defult...
 FILE NAME: ...
 PROJECT: ...
 DATE: 08/11/2023

TranSmart
 100 S. Wacker Drive Suite 400
 Chicago, Illinois 60606

USER NAME	dmeier	DESIGNED	DM	REVISED	-
DRAWN	JM	CHECKED	RL	REVISED	-
PLOT SCALE	100,000' / In.	DATE	08/11/2023	REVISED	-
PLOT DATE	8/9/2023				

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

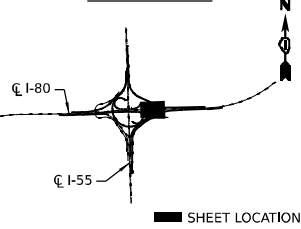
ITS REMOVAL PLANS

SCALE: 1"=50' SHEET 5 OF 11 SHEETS STA. 350+00 TO STA. 363+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	493
CONTRACT NO. 62R28				
ILLINOIS FED. AID PROJECT				



KEY PLAN



SHEET LOCATION

MATCHLINE STA. 363+00

363

364

365+00

366

367

368

369

370+00

371

372

373

374

375+00

MATCHLINE STA. 376+00

I-80 WESTBOUND

I-80 EASTBOUND

CL I-80

RAMP C

RAMP C

PROJECT LIMITS
PR RAMP C
STA. 20+64.00

RAMP BB

EX. 2" MICRODUCT (A)
-REMOVE EX. 144F SM [DCF]
-REMOVE EX. 144F SM [TCF]

REMOVE EX. FIBER HH

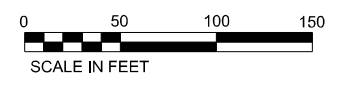
EX. RAMP B

REMOVE EX. FIBER HH

REMOVE EX. BLUETOOTH DETECTOR ASSEMBLY
REMOVE EX. 30' POLE
REMOVE EX. FOUNDATION

EX. 4" CONDUIT (A)
-EX. 2" MICRODUCT (A)
-REMOVE EX. 144F SM [DCF]
-REMOVE EX. 144F SM [TCF]

EX. 2" MICRODUCT (A)
-REMOVE EX. 144F SM [DCF]
-REMOVE EX. 144F SM [TCF]



MODEL: D:\default\... TRANSMART\... PROJECTS\2018\CH401\401180022\01-Struct\CAD\Misc\4_62R28_04_Sheets\07-Utilities\0165R28-sh-ht-rem-06.dgn

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100 S. Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME	dmeler	DESIGNED	DM	REVISED	-
DRAWN	JM	REVISIONS		REVISED	-
PLOT SCALE	100,000' / In.	CHECKED	RL	REVISED	-
PLOT DATE	8/9/2023	DATE	08/11/2023	REVISED	-

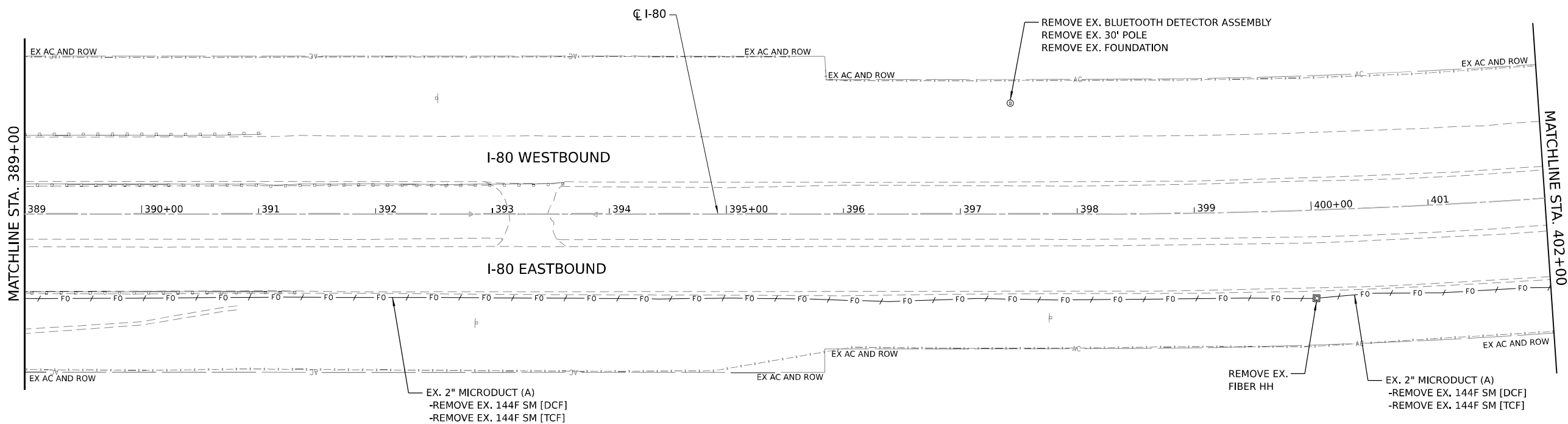
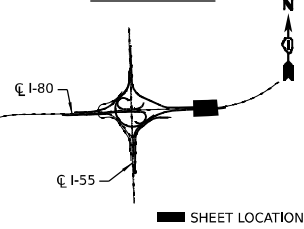
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS REMOVAL PLANS

SCALE: 1"=50' SHEET 6 OF 11 SHEETS STA. 363+00 TO STA. 376+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	494
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

KEY PLAN



MODEL: Default
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 100 S. Wacker Drive Suite 400
 Chicago, Illinois 60606

USER NAME	dmeler	DESIGNED	DM	REVISED	-
DRAWN	JM	CHECKED	RL	REVISED	-
PLOT SCALE	100,000' / In.	DATE	08/11/2023	REVISED	-
PLOT DATE	8/9/2023				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS REMOVAL PLANS
 SCALE: 1"=50' SHEET 8 OF 11 SHEETS STA. 389+00 TO STA. 402+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	496
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	

RELOCATION SEQUENCE A (I-55 FIBER)

1. WORK IN THIS SEQUENCE SHALL BE COMPLETED PRIOR TO STAGE 1 TO ENSURE THAT EXISTING FIBER OPTIC CABLE IS NOT IN CONFLICT WITH THE I-80 OVER I-55 BRIDGE REMOVAL AND REPLACEMENT WORK.
2. COMPLETE INSTALLATION OF CONDUIT BETWEEN EXISTING INTERCONNECT CABINET AND FIBER HANDHOLES "A" (I-55 SB, STA 1044+23) AND "B" (I-55 SB, STA 1062+24) AS SHOWN ON ITS RELOCATION PLANS.
3. DISCONNECT EXISTING 96F [TCF] CABLE AT INTERCONNECT CABINET AND REMOVE BACK TO FIBER HANDHOLES "A" & "B". CABLE SHALL BE SALVAGED FOR REUSE.
4. RE-INSTALL 96F [TCF] BETWEEN FIBER HANDHOLES "A" & "B" AND THE INTERCONNECT CABINET UTILIZING NEW CONDUIT PATH AS SHOWN ON ITS RELOCATION PLANS.
5. SPLICE 96F [TCF] AT FIBER INTERCONNECT CABINET, INCLUDING CCTV 43A FIBER LATERAL.
6. CUT 96F [TCF] AND 96F [DCF] AT FIBER HANDHOLE "A" AND FIBER HANDHOLE "B". SPLICE 96F [TCF] TO EXISTING 96F [DCF] RUNNING SOUTH FROM HANDHOLE "A", NORTH FROM HANDHOLE "B" AND TO EXISTING DETECTOR CABINET LATERALS. IN HANDHOLE "B", SPLICE 96F [TCF] TO EXISTING LATERAL FOR CCTV 43.
7. DISCONNECT EXISTING 96F [DCF] CABLE AT INTERCONNECT CABINET AND REMOVE BACK TO FIBER HANDHOLES "A" & "B". CABLE SHALL BE SALVAGED FOR REUSE.
8. RE-INSTALL 96F [DCF] BETWEEN FIBER HANDHOLES "A" & "B" AND THE INTERCONNECT CABINET UTILIZING NEW CONDUIT PATH AS SHOWN ON ITS RELOCATION PLANS.
9. SPLICE 96F [DCF] AT FIBER INTERCONNECT CABINET, SPLICE 96F [DCF] TO EXISTING 96F [TCF] RUNNING SOUTH FROM HANDHOLE "A" AND NORTH FROM HANDHOLE "B".
10. THE SCHEDULING OF STEPS 3 - 9 SHALL BE COORDINATED WITH THE ENGINEER AND IDOT TO MINIMIZE DOWNTIME OF THE EXISTING DEVICES CONNECTED TO THE I-55 FIBER. A MINIMUM 14 DAYS NOTICE TO IDOT IS REQUIRED. FIBER OUTAGES MAY TYPICALLY BE ALLOWED SUNDAY THROUGH THURSDAY NIGHT (9PM - 5AM) OR FRIDAY/SATURDAY NIGHT (9PM - 9AM).

RELOCATION SEQUENCE B (CCTV POWER CABLE)

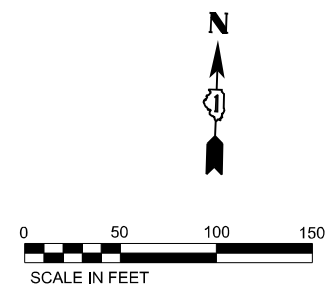
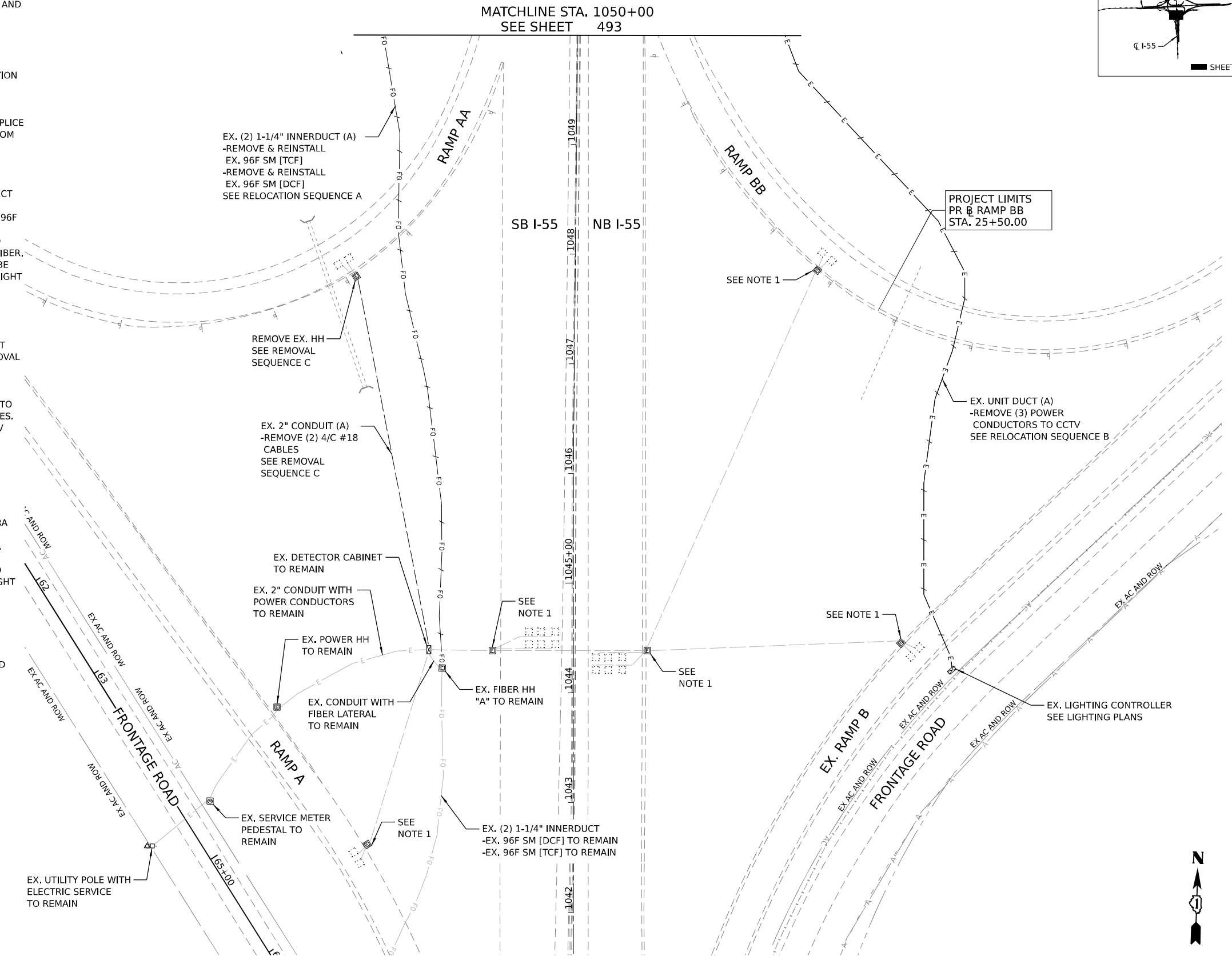
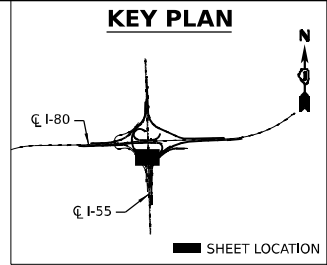
1. WORK IN THIS SEQUENCE SHALL BE COMPLETED PRIOR TO STAGE 1 TO ENSURE THAT EXISTING POWER CABLE IS NOT IN CONFLICT WITH THE I-80 OVER I-55 BRIDGE REMOVAL AND REPLACEMENT WORK.
2. COMPLETE INSTALLATION OF CONDUIT FOR POWER CABLE AS SHOWN ON ITS RELOCATION PLANS. ENSURE CONDUIT TAILS AT CCTV CAMERA LOCATIONS AND LIGHTING CONTROLLER ARE OF SUFFICIENT LENGTH TO COMPLETE INSTALLATION INTO EXISTING LIGHTING CONTROLLER AND CCTV CAMERA POLE FOUNDATION STRUCTURES. EXPOSE EXISTING CONDUIT ENTRY INTO EXISTING LIGHTING CONTROLLER AND CCTV CAMERA POLE FOUNDATION STRUCTURES.
3. TURN OFF POWER TO CCTV CAMERA. DISCONNECT POWER CABLES AT LIGHTING CONTROLLER AND AT CCTV CAMERAS.
4. REMOVE EXISTING POWER CABLES BETWEEN LIGHTING CONTROLLER AND CCTV CAMERA.
5. CUT AND REMOVE EXISTING CONDUIT TAILS AND PULL TAILS FROM LIGHTING CONTROLLER AND CCTV CAMERA POLE STRUCTURE CONDUIT STUB OUTS.
6. INSTALL NEW CONDUIT (SEE STEP 2) INTO LIGHTING CONTROLLER AND CCTV CAMERA POLE STRUCTURE STUB OUTS.
7. INSTALL NEW POWER CABLE BETWEEN LIGHTING CONTROLLER AND CCTV CAMERAS.
8. RE-ENERGIZE CCTV CAMERA LOCATIONS.
9. THE SCHEDULING OF STEPS 4 - 9 SHALL BE COORDINATED WITH THE ENGINEER AND IDOT TO LIMIT DOWNTIME OF THE EXISTING CCTV CAMERAS TO AN 8 HOUR OVERNIGHT WINDOW (9PM TO 5 AM).

REMOVAL SEQUENCE C (LOOPS)

1. EXISTING DETECTION SHALL BE MAINTAINED UNTIL TRAFFIC IS PERMANENTLY SHIFTED OFF OF EXISTING RAMP AA.

NOTES

1. HANDHOLE, LOOPS, AND ASSOCIATED LOOP LEAD IN CABLES TO REMAIN.



MODEL: D:\defult...
 FILE NAME: ...
 PROJECT: ...
 DATE: ...
 USER: ...

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 Chicago, Illinois 60606

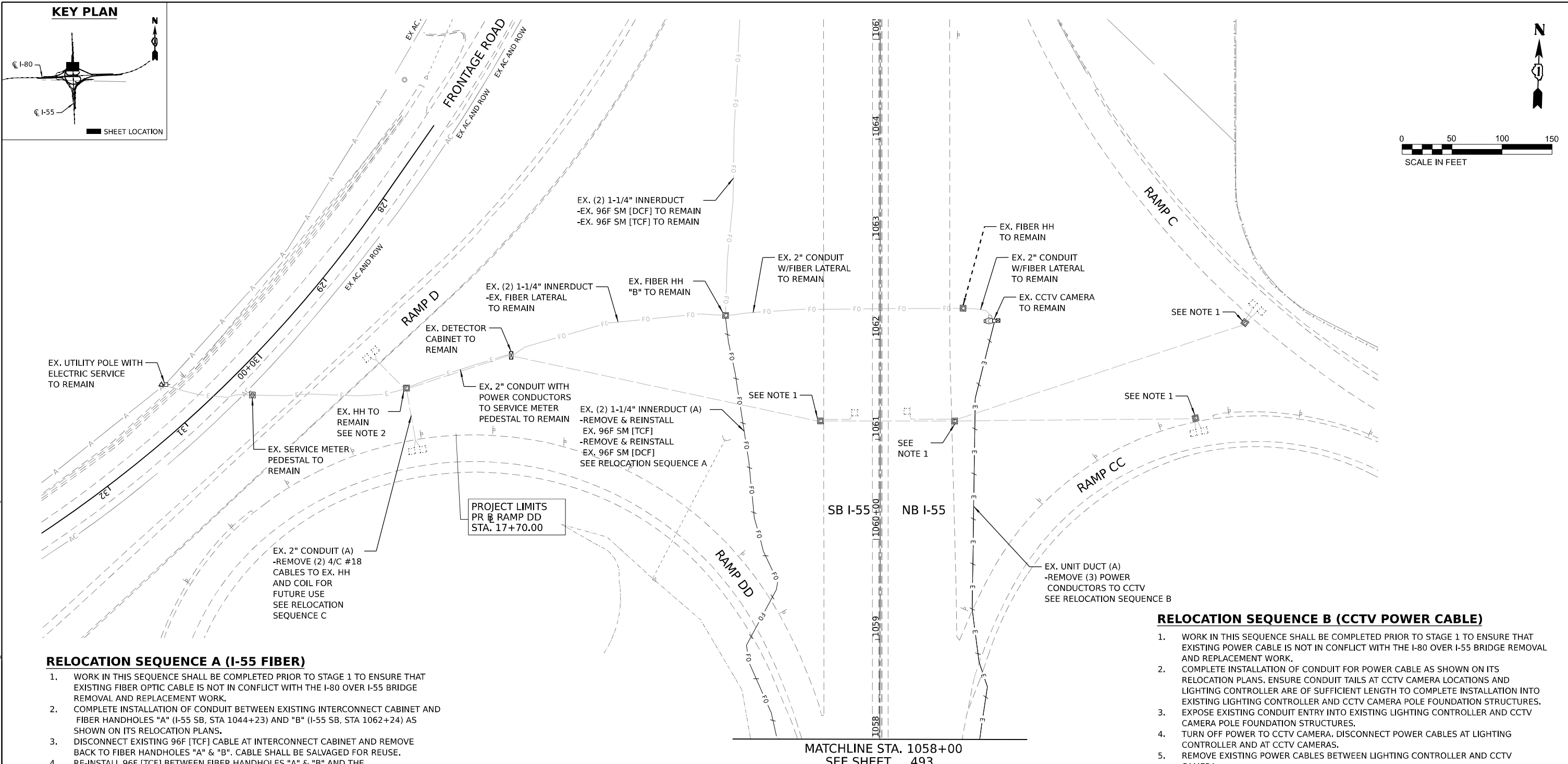
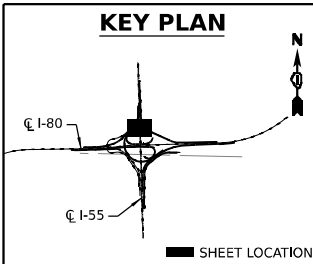
USER NAME	DESIGNED -	DM	REVISED -
DRAWN -	JM	REVISED -	
PLOT SCALE	CHECKED -	RL	REVISED -
PLOT DATE	DATE	08/11/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ITS REMOVAL PLANS

SCALE: 1"=50' SHEET 10 OF 11 SHEETS STA. 1041+50 TO STA. 1050+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTURE 7	WILL	1059	498
CONTRACT NO. 62R28			ILLINOIS FED. AID PROJECT	



RELOCATION SEQUENCE A (I-55 FIBER)

1. WORK IN THIS SEQUENCE SHALL BE COMPLETED PRIOR TO STAGE 1 TO ENSURE THAT EXISTING FIBER OPTIC CABLE IS NOT IN CONFLICT WITH THE I-80 OVER I-55 BRIDGE REMOVAL AND REPLACEMENT WORK.
2. COMPLETE INSTALLATION OF CONDUIT BETWEEN EXISTING INTERCONNECT CABINET AND FIBER HANDHOLES "A" (I-55 SB, STA 1044+23) AND "B" (I-55 SB, STA 1062+24) AS SHOWN ON ITS RELOCATION PLANS.
3. DISCONNECT EXISTING 96F [TCF] CABLE AT INTERCONNECT CABINET AND REMOVE BACK TO FIBER HANDHOLES "A" & "B". CABLE SHALL BE SALVAGED FOR REUSE.
4. RE-INSTALL 96F [TCF] BETWEEN FIBER HANDHOLES "A" & "B" AND THE INTERCONNECT CABINET UTILIZING NEW CONDUIT PATH AS SHOWN ON ITS RELOCATION PLANS.
5. SPLICE 96F [TCF] AT FIBER INTERCONNECT CABINET, INCLUDING CCTV 43A FIBER LATERAL.
6. CUT 96F [TCF] AND 96F [DCF] AT FIBER HANDHOLE "A" AND FIBER HANDHOLE "B". SPLICE 96F [TCF] TO EXISTING 96F [DCF] RUNNING SOUTH FROM HANDHOLE "A", NORTH FROM HANDHOLE "B" AND TO EXISTING DETECTOR CABINET LATERALS. IN HANDHOLE "B", SPLICE 96F [TCF] TO EXISTING LATERAL FOR CCTV 43.
7. DISCONNECT EXISTING 96F [DCF] CABLE AT INTERCONNECT CABINET AND REMOVE BACK TO FIBER HANDHOLES "A" & "B". CABLE SHALL BE SALVAGED FOR REUSE.
8. RE-INSTALL 96F [DCF] BETWEEN FIBER HANDHOLES "A" & "B" AND THE INTERCONNECT CABINET UTILIZING NEW CONDUIT PATH AS SHOWN ON ITS RELOCATION PLANS.
9. SPLICE 96F [DCF] AT FIBER INTERCONNECT CABINET, SPLICE 96F [DCF] TO EXISTING 96F [TCF] RUNNING SOUTH FROM HANDHOLE "A" AND NORTH FROM HANDHOLE "B".
10. THE SCHEDULING OF STEPS 3 - 9 SHALL BE COORDINATED WITH THE ENGINEER AND IDOT TO MINIMIZE DOWNTIME OF THE EXISTING DEVICES CONNECTED TO THE I-55 FIBER. A MINIMUM 14 DAYS NOTICE TO IDOT IS REQUIRED. FIBER OUTAGES MAY TYPICALLY BE ALLOWED SUNDAY THROUGH THURSDAY NIGHT (9PM - 5AM) OR FRIDAY/SATURDAY NIGHT (9PM - 9AM).

RELOCATION SEQUENCE B (CCTV POWER CABLE)

1. WORK IN THIS SEQUENCE SHALL BE COMPLETED PRIOR TO STAGE 1 TO ENSURE THAT EXISTING POWER CABLE IS NOT IN CONFLICT WITH THE I-80 OVER I-55 BRIDGE REMOVAL AND REPLACEMENT WORK.
2. COMPLETE INSTALLATION OF CONDUIT FOR POWER CABLE AS SHOWN ON ITS RELOCATION PLANS. ENSURE CONDUIT TAILS AT CCTV CAMERA LOCATIONS AND LIGHTING CONTROLLER ARE OF SUFFICIENT LENGTH TO COMPLETE INSTALLATION INTO EXISTING LIGHTING CONTROLLER AND CCTV CAMERA POLE FOUNDATION STRUCTURES.
3. EXPOSE EXISTING CONDUIT ENTRY INTO EXISTING LIGHTING CONTROLLER AND CCTV CAMERA POLE FOUNDATION STRUCTURES.
4. TURN OFF POWER TO CCTV CAMERA. DISCONNECT POWER CABLES AT LIGHTING CONTROLLER AND AT CCTV CAMERAS.
5. REMOVE EXISTING POWER CABLES BETWEEN LIGHTING CONTROLLER AND CCTV CAMERA.
6. CUT AND REMOVE EXISTING CONDUIT TAILS AND PULL TAILS FROM LIGHTING CONTROLLER AND CCTV CAMERA POLE STRUCTURE CONDUIT STUB OUTS.
7. INSTALL NEW CONDUIT (SEE STEP 2) INTO LIGHTING CONTROLLER AND CCTV CAMERA POLE STRUCTURE STUB OUTS.
8. INSTALL NEW POWER CABLE BETWEEN LIGHTING CONTROLLER AND CCTV CAMERAS.
9. RE-ENERGIZE CCTV CAMERA LOCATIONS.
10. THE SCHEDULING OF STEPS 4 - 9 SHALL BE COORDINATED WITH THE ENGINEER AND IDOT TO LIMIT DOWNTIME OF THE EXISTING CCTV CAMERAS TO AN 8 HOUR OVERNIGHT WINDOW (9PM TO 5 AM).

RELOCATION SEQUENCE C (RAMP DD LOOPS)

1. EXISTING RAMP DD DETECTION SHALL BE MAINTAINED UNTIL TRAFFIC IS SHIFTED FROM EXISTING PAVEMENT. INSTALL NEW DETECTION LOOPS AS SHOWN IN ITS RELOCATION PLANS.

- NOTES
1. EXISTING HANDHOLE, LOOPS, AND LEAD-IN CABLES TO REMAIN.

MODEL: D:\inf\...
 FILE NAME: ...
 PROJECT: ...
 SHEETS: ...
 DATE: ...

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 100 S. Wacker Drive Suite 400
 Chicago, Illinois 60606

USER NAME	dmeler	DESIGNED	DM	REVISED	-
DRAWN	JM	CHECKED	RL	REVISED	-
PLOT SCALE	100,000' / In.	DATE	08/11/2023	REVISED	-
PLOT DATE	8/9/2023				

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ITS REMOVAL PLANS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 1"=50'	SHEET 11 OF 11 SHEETS	I-80	FAI 80 21 STRUCTURE 7	WILL	1059	499
STA. 1058+00 TO STA. 1065+00		CONTRACT NO. 62R28				
		ILLINOIS FED. AID PROJECT				

