

MODEL: BL_PR_I80_W-1 - Plan 6 [Sheet] FILE NAME: pw://transystems-pw.bentley

1:50

SIGN NUMBER LNB-PR-101-CA

WIDTH x HEIGHT 14'-6" x 9'-0"

BORDER WIDTH 2"

CORNER RADIUS 12"

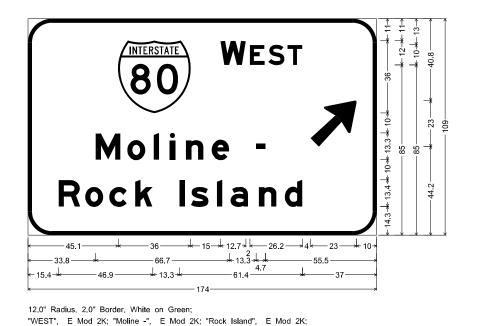
MOUNTING Ground Mounted

BACKGROUND TYPE: Reflective - ZZ

COLOR: Green

LEGEND/BORDER TYPE: Reflective - ZZ

COLOR: White



TRANSYSTEMS

USER NAME = vijanachione	DESIGNED - VLJ	REVISED
	DRAWN - AMK	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: NONE

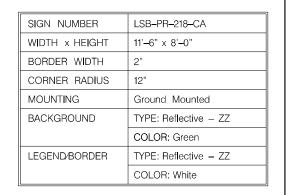
| R | 0 | C | K | 10.8 | 2.4 | 9.0 | 3.0 | 8.8 | 4.1 | 8.8 | 13.3 | 2.7 | 3.1 | 8.8 | 4.1 | 2.7 | 4.1 | 8.8 | 5.3 | 8.8 | 4.2 | 8.8 | 37.0 |

Arrow Custom - 29.3" 45°; Table of widths and spaces

| M | O | 12.0 | X-2 | Z-2 | Z

		PANEL	DETAILS	F.A.I. RTE	SECT	COUNTY	TOTAL SHEETS	SHEE				
						I-80	FAI 80 21 ST	RUCTUF	ΙΕ 4	WILL	550	206
										CONTRACT	NO. 621	R25
	SHEET 1	OF 1	1 SHEE	TS STA.	TO STA.			ILLINOIS	FED. A	D PROJECT		

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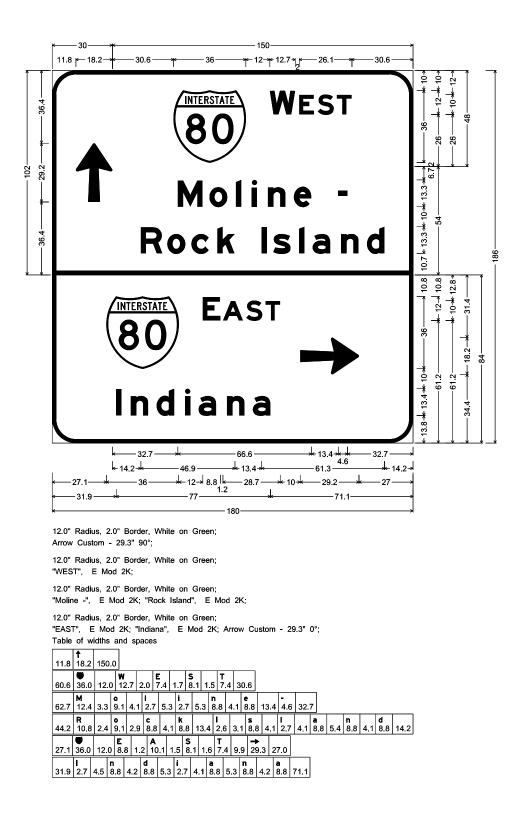


TRANSYSTEMS

USER NAME = vljanachione	DESIGNED - VLJ	REVISED	
	DRAWN - AMK	REVISED -	
PLOT SCALE = 0.16666633 / in.	CHECKED - JMG	REVISED -	
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS								SECTION	COUNTY TOTAL SHEETS		SHEE NO.
							I-80	FAI 80 21 STRUCTURE 4	WILL	550	207
									CONTRACT	NO. 62	R25
	SHEET 2	OF	11	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		



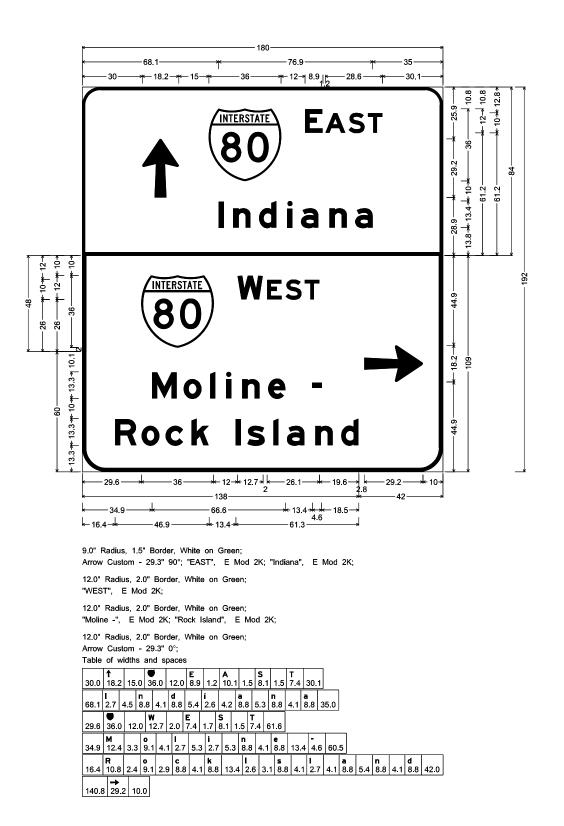
SIGN NUMBER	LNB-PR-404-G					
WIDTH x HEIGHT	15'–0" × 15'–6"					
BORDER WIDTH	2"					
CORNER RADIUS	12"					
MOUNTING	Overhead					
BACKGROUND	TYPE: Reflective - ZZ					
	COLOR: Green					
LEGEND/BORDER	TYPE: Reflective - ZZ					
	COLOR: White					

USER NAME = vljanachione	DESIGNED - VLJ	REVISED
	DRAWN - AMK	REVISED -
PLOT SCALE = 0.16666633 / in.	CHECKED - JMG	REVISED -
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS							F.A.I. RTE	SECT	COUNTY	TOTAL SHEETS	SHE		
						I-80	FAI 80 21 ST	RUCTUF	ΙΕ 4	WILL	550	208	
							·				CONTRACT	NO. 62	R25
	SHEET 3	OF	11	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	D PROJECT		

1:50



SIGN NUMBER	LSB-PR-516-G					
WIDTH x HEIGHT	15'–0" × 16'–0"					
BORDER WIDTH	2"					
CORNER RADIUS	12"					
MOUNTING	Overhead					
BACKGROUND	TYPE: Reflective - ZZ					
	COLOR: Green					
LEGEND/BORDER	TYPE: Reflective - ZZ					
	COLOR: White					

USER NAME = vijanachione	DESIGNED - VLJ	REVISED
	DRAWN - AMK	REVISED -
PLOT SCALE = 0.16666633 / in.	CHECKED - JMG	REVISED -
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

				F.A.I. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.			
							I-80	FAI 80 21 STRUCTURI	E 4	WILL	550	209
										CONTRACT	NO. 62	R25
	SHEET 4	OF	11	SHEETS	STA.	TO STA.		ILLINOIS	FED. Al	D PROJECT		

1:50

LARKIN AVE EASTBOUND I-80 - MP 130.5 CRASH INVESTIGATION SITE 2 1 8 0 5 1 7 53 5 3 5 TO REPORT AN ACCIDENT 847-294-4400 ILLINOIS STATE POLICE 2 1 8 1 7 53 5 3 1 FOR MOTORIST AID 847-705-4228 IL DEP. OF TRANSPORTATION EMERGENCY DIAL 911 $|_{6} \leftarrow 20.6 \rightarrow |_{5} |_{10.4} |_{6} |$ $\begin{vmatrix} -19 & -20.6 & -3 & 10.4 & 6 \\ -19 & -16.2 & 11.1 & 1 & 2.5 \\ 1 & 1.11 & 1 & 2.5 \\ 1 & 10.7 & -23.2 & 16.6 & 2.5 \\ 2.5 & 1.3 & 1.2 & 2.5 \end{vmatrix}$ **--**48 **---**4 1 12 9 4 4 1 16 3 1 2 5 1 7 1 8 1 8 2 5 1 0 2 1 0 2 2.5 2.7 2.8 2.5 2.5 48 2.5 2.7 2.8 2.5 5 6.9 18.2 5 10.5 27 10.5 2.4 6.7 4 1 27.6 3 2.5 2.5 48 27.6 3 2.5 48 27.6 3 2.5 48 2.5 48 2.5 48 2.5 48 2.5 48 2.5 48 2.5 48 2.5 48 2.5 3.0" Radius, 0.5" Border, White on Blue; "LARKIN AVE", C 2K specified length; "EASTBOUND I-80 - MP 130.5", C 2K specified length; "CRASH INVESTIGATION SITE", C 2K specified length; "TO REPORT AN ACCIDENT", C 2K specified length; "847-294-4400", C 2K; "ILLINOIS STATE POLICE", C 2K specified length; "FOR MOTORIST AID", C 2K; "847-705-4228", C 2K; "IL DEP. OF TRANSPORTATION", C 2K specified length; "EMERGENCY DIAL 911", C 2K specified length; Table of widths and spaces
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SIGN NUMBER	A-PR-205A-G			
WIDTH x HEIGHT	4'-0" x 6'-0"			
BORDER WIDTH	2"			
CORNER RADIUS	3"			
MOUNTING	Ground Mounted			
BACKGROUND	TYPE: Reflective - ZZ			
	COLOR: Blue			
LEGEND/BORDER	TYPE: Reflective - ZZ			
	COLOR: White			

TRANSYSTEMS

USER NAME = vlianachione	DESIGNED - VLI	REVISED
	DDAMN AMK	REVISED -
PLOT SCALE = 0.16666633 '/ in.	CHECKED - JMG	REVISED -
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

				F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.		
						I-80	FAI 80 21 STRUCTURE 4	WILL	550	210
								CONTRACT	NO. 621	R25
SHEET 5	OF	11	SHEETS	STA.	TO STA.		ILLINOIS FEE	D. AID PROJECT		

1:50

LARKIN AVE WESTBOUND I-80 - MP 130.7 CRASH INVESTIGATION SITE TO REPORT AN ACCIDENT 847-294-4400 ILLINOIS STATE POLICE FOR MOTORIST AID <u>~</u> " 847-705-4228 IL DEP. OF TRANSPORTATION EMERGENCY DIAL 911 $|_{6} \leftarrow 20.6 \rightarrow |_{5} |_{10.4} |_{6} |$ $\begin{vmatrix} -19 & -20.6 & -3 & 10.4 & 6 \\ -19 & -16.2 & 11.1 & 1 & 2.5 \\ 1 & 1.11 & 1 & 2.5 \\ 1 & 10.7 & -23.2 & 16.6 & 2.5 \\ 2.5 & 1.3 & 1.2 & 2.5 \end{vmatrix}$ **--**48 **---**4 1 12 9 4 4 1 16 3 1 2 5 1 7 1 8 1 8 2 5 1 0 2 1 0 2 2.5 2.7 2.8 2.5 2.5 48 2.5 2.7 2.8 2.5 5 | 6.9 | 18.2 | 5 | 5 | 10.5 | 3.55.9 | 10.5 | 2.4 6.7 4 27.6 — 25.0.8 0.70.8 2.5 3.0" Radius, 0.5" Border, White on Blue; "LARKIN AVE", C 2K specified length; "WESTBOUND I-80 - MP 130.7", C 2K specified length; "CRASH INVESTIGATION SITE", C 2K specified length; "TO REPORT AN ACCIDENT", C 2K specified length; "847-294-4400", C 2K; "ILLINOIS STATE POLICE", C 2K specified length; "FOR MOTORIST AID", C 2K; "847-705-4228", C 2K; "IL DEP. OF TRANSPORTATION", C 2K specified length; "EMERGENCY DIAL 911", C 2K specified length; Table of widths and spaces
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SIGN NUMBER	C-PR-130A-G
WIDTH x HEIGHT	4'-0" x 6'-0"
BORDER WIDTH	2"
CORNER RADIUS	3"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective - ZZ
	COLOR: Blue
LEGEND/BORDER	TYPE: Reflective - ZZ
	COLOR: White

TRANSYSTEMS

USER NAME = vijanachione	DESIGNED - VLJ	REVISED
	DRAWN - AMK	REVISED -
PLOT SCALE = 0.16666633 '/in.	CHECKED - JMG	REVISED -
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

	SIGN PA	ANEL D	ETAILS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					I-80	FAI 80 21 STRUCTURE 4	WILL	550	211
							CONTRACT	NO. 62	R25
SHEET 6	OF 11	SHEETS	STA.	TO STA.		ILLINOIS FED. A	D PROJECT		

SIGN NUMBER C-PR-133-G, A-PR-202-G
WIDTH x HEIGHT 4'-0" x 5'-0"

BORDER WIDTH 2"

CORNER RADIUS 3"

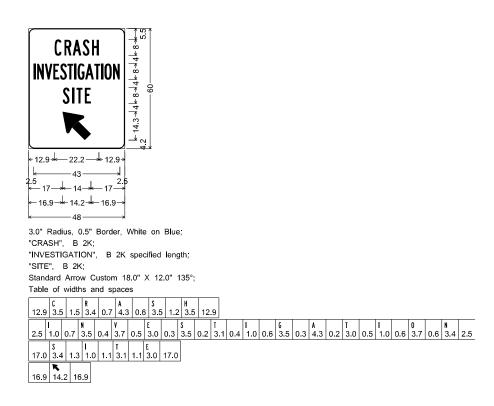
MOUNTING Ground Mounted

BACKGROUND TYPE: Reflective - ZZ

COLOR: Blue

LEGEND/BORDER TYPE: Reflective - ZZ

COLOR: White



USER NAME = vijanachione	DESIGNED - VLJ	REVISED
	DRAWN - AMK	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	SIGN	P/	ANEL D	ETAILS		F.A.I. RTE	SEC	TION		COUNTY	TOTAL SHEETS	SHEE NO.
						I-80	FAI 80 21 ST	FRUCTURE 4	4	WILL	550	212
										CONTRACT	NO. 62	R25
SHEET 7	OF	11	SHEETS	STA.	TO STA.			ILLINOIS F	ED. AID	PROIECT		

1:50

SIGN NUMBER VARIOUS WIDTH x HEIGHT 2'-0" x 2'-6" BORDER WIDTH 0.6" CORNER RADIUS MOUNTING Ground Mounted BACKGROUND TYPE: Reflective - ZZ COLOR: White TYPE: Reflective - ZZ LEGEND/BORDER COLOR: Black

WITH YOUR VEHICLE

10.2 6.9 6.9 7.2 9.6 7.2

1.5" Radius, 0.6" Border, 0.4" Indent, Black on White; "STAY", C 2K; "WITH", C 2K;

"YOUR", C 2K;

"VEHICLE", C 2K specified length;

Table of widths and spaces

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TRANSYSTEMS

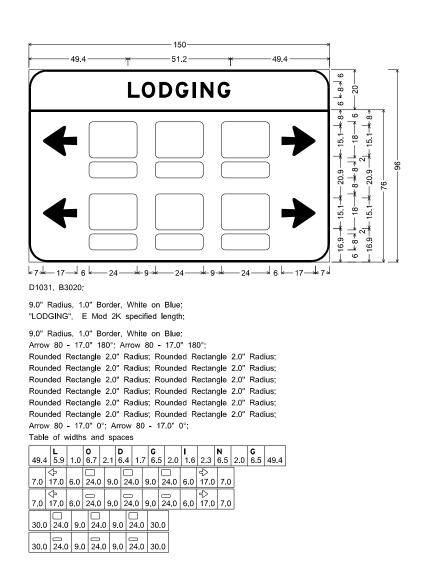
USER NAME = vljanachione	DESIGNED - VLJ	REVISED
	DRAWN - AMK	REVISED -
PLOT SCALE = 0.16666633 / in.	CHECKED - JMG	REVISED -
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

	SIGN PANEL DETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		I-80	FAI 80 21 STRUCTURE 4	WILL	550	213
				CONTRACT	NO. 62	R25
ı	SCALE: NONE SHEET 8 OF 11 SHEETS STA. TO STA.		ILLINOIS FED.	AID PROJECT		

1:50

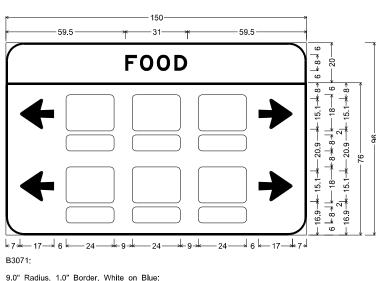
C-PR-135-G, A-PR-221-G
12'-6" x 8'-0"
2"
12"
Ground Mounted
TYPE: Reflective - AP
COLOR; Blue
TYPE: Reflective - ZZ
COLOR: White



USER NAME = vijanachione	DESIGNED - VLJ	REVISED
	DRAWN - AMK	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

							F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
							I-80	FAI 80 21 STRUCTURE 4	WILL	550	214
									CONTRACT	NO. 621	R25
	SHEET 9	OF	11	SHEETS	STA.	TO STA.		ILLINOIS FED. A	D PROJECT		

SIGN NUMBER	C-PR-136-G, A-PR-222-G
WIDTH x HEIGHT	12'-6" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective - AP
	COLOR: Blue
LEGEND/BORDER	TYPE: Reflective - ZZ
	COLOR: White



9.0" Radius, 1.0" Border, White on Blue, "FOOD", E Mod 2K specified length;

9.0" Radius, 1.0" Border, White on Blue; Arrow 80 - 17.0" 180°; Arrow 80 - 17.0" 180°;

Rounded Rectangle 2.0" Radius, Rounded Rectangle 2.0" Radius,

Rounded Rectangle 2.0" Radius, Rounded Rectangle 2.0" Radius,

Rounded Rectangle 2.0" Radius, Rounded Rectangle 2.0" Radius;

Rounded Rectangle 2.0" Radius; Rounded Rectangle 2.0" Radius; Rounded Rectangle 2.0" Radius, Rounded Rectangle 2.0" Radius,

Rounded Rectangle 2.0" Radius, Rounded Rectangle 2.0" Radius,

Arrow 80 - 17.0" 0°; Arrow 80 - 17.0" 0°;

Table of widths and spaces

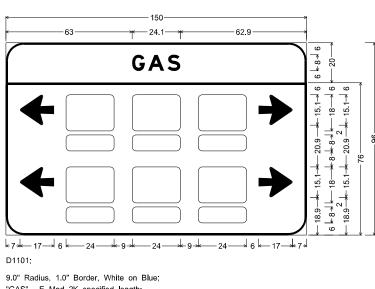
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USER NAME = vljanachione	DESIGNED - VLJ	REVISED
	DRAWN - AMK	REVISED -
PLOT SCALE = 0.16666633 '/in.	CHECKED - JMG	REVISED -
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	SIGI	N P	ANEL D	ETAILS	F.A.I. RTE	SECTION	N	COUNTY	TOTAL SHEETS	SHEE NO.	
						I-80	FAI 80 21 STRUG	CTURE 4	WILL	550	215
									CONTRACT	NO. 621	R25
SHEET 10	OF	11	SHEETS	STA.	TO STA.		ILLI	INOIS FED. A	D PROJECT		

SIGN NUMBER	A-PR-417-G, C-PR-518-G					
WIDTH x HEIGHT	12'-6" x 8'-0"					
BORDER WIDTH	2"					
CORNER RADIUS	12"					
MOUNTING	Ground Mounted					
BACKGROUND	TYPE: Reflective - AP					
	COLOR: Blue					
LEGEND/BORDER	TYPE: Reflective - ZZ					
	COLOR: White					



"GAS", E Mod 2K specified length;

3-EB-005-G;

9.0" Radius, 1.0" Border, White on Blue;

Arrow 80 - 17.0" 180°; Arrow 80 - 17.0" 180°;

Rounded Rectangle 2.0" Radius, Rounded Rectangle 2.0" Radius,

Rounded Rectangle 2.0" Radius; Rounded Rectangle 2.0" Radius; Rounded Rectangle 2.0" Radius; Rounded Rectangle 2.0" Radius;

Rounded Rectangle 2.0" Radius, Rounded Rectangle 2.0" Radius,

Rounded Rectangle 2.0" Radius, Rounded Rectangle 2.0" Radius,

Rounded Rectangle 2.0" Radius, Rounded Rectangle 2.0" Radius,

Arrow 80 - 17.0" 0°, Arrow 80 - 17.0" 0°,

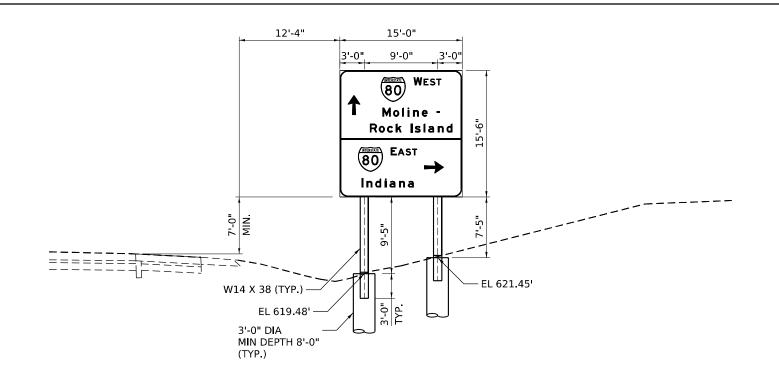
Table of widths and spaces

63.0	G 6.4	1.5	A 8.1	1.6	5 3.5	62.	.9					
7.0	< 17.0	6.0	 24.0	9.0	24] .0	9.0	24] .0	6.0	\$\ 17.0	7.0
7.0	< 17.0	6.0	 24.0	9.0	24	1.0	9.0	24	1.0	6.0	∜ 17.0	7.0
30.0	24.0	9.0	24.	0 9.	0 2	24.0	30	.0				
30.0	24.0	9.0	24.	0 9.	0 2	 ⊒ 24.0	30	.0				

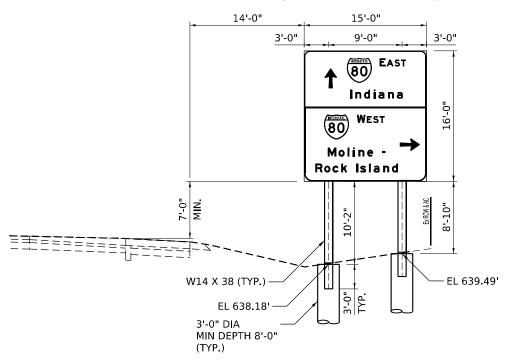
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	DRAWN - AMK	REVISED -
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PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	SIGN	PA	NEL D	ETAILS		F.A.I. RTE	SECT	ION		COUNTY	TOTAL SHEETS	SHEI
						I-80	FAI 80 21 ST	RUCTUF	RE 4	WILL	550	216
										CONTRACT	NO. 62	325
SHEET 11	OF :	11	SHEETS	STA.	TO STA.			ILLINOIS	FED. AL	D PROIECT		



SIGN LNB-PR-404-G (PROPOSED) BREAKAWAY SIGN SUPPORTS NORTHBOUND LARKIN AVE STA 57+76.90 (LOOKING NORTH)



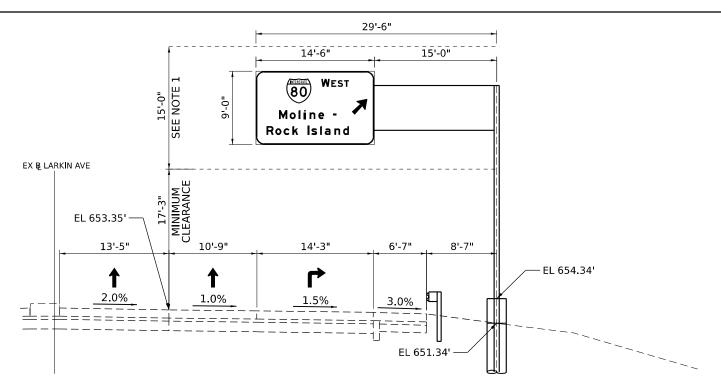
SIGN LSB-PR-516-G (PROPOSED)
BREAKAWAY SIGN SUPPORTS
SOUTHBOUND LARKIN AVE STA 77+58.60
(LOOKING SOUTH)

TRANSYSTEMS

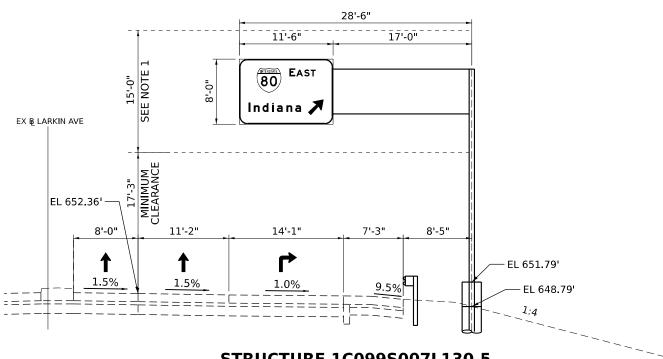
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1		DRAWN - AMK	REVISED -	
)	PLOT SCALE = 0.16666633 '/in.	CHECKED - JMG	REVISED -	DEPART
	PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -	

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

	F.A.I. RTE	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.						
							I-80	FAI 80 21 ST	RUCTUR	E 4	WILL	550	217
											CONTRACT	NO. 621	₹25
SCALE: NONE	SHEET 1	OF	4 5	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	D PROJECT		



STRUCTURE 1C099S007R130.5 MOUNTING DETAIL - SIGN LNB-PR-101-C PROPOSED OVERHEAD SIGN STRUCTURE - CANTILEVER NORTHBOUND LARKIN AVE STA 68+22.00 (LOOKING NORTH)



NOTE 1: THEORETICAL SIGN DESIGN HEIGHT (15')

STRUCTURE 1C099S007L130.5

MOUNTING DETAIL - SIGN LSB-PR-218-C

PROPOSED OVERHEAD SIGN STRUCTURE - CANTILEVER

SOUTHBOUND LARKIN AVE STA 64+91.00

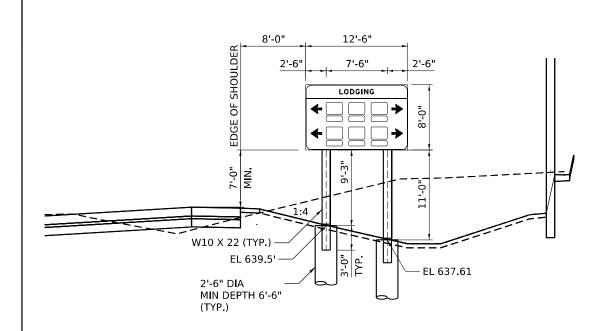
(LOOKING SOUTH)

TRANSYSTEMS

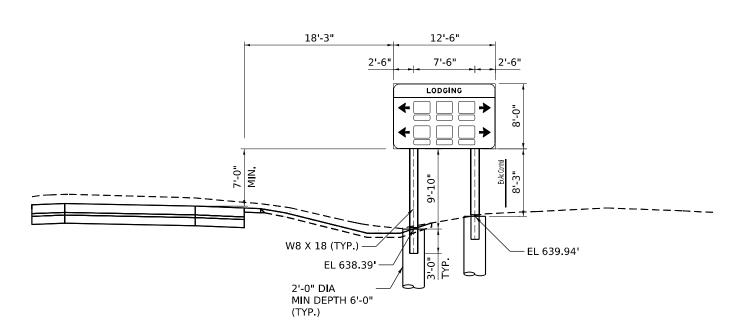
OSER NAME = VIJANACHIONE	DESIGNED - VLJ	REVISED	
	DRAWN - AMK	REVISED -	
PLOT SCALE = 0.16666633 / in.	CHECKED - JMG	REVISED -	DEPAR
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

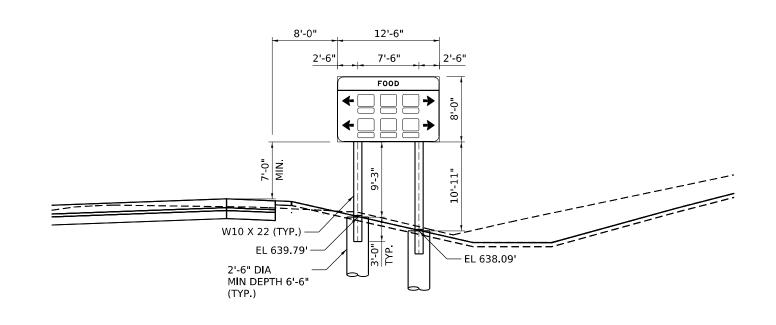
		SIGN	MO	JNTING	DETAIL	.s	F.A.I. RTE	SEC ⁻	TION		COUNTY	TOTAL SHEETS	SHEET NO.
							1-80	FAI 80 21 ST	FRUCTUR	E 4	WILL	550	218
											CONTRACT	NO. 62	₹25
SCALE: NONE	SHEET 2	OF	4	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	D PROJECT		



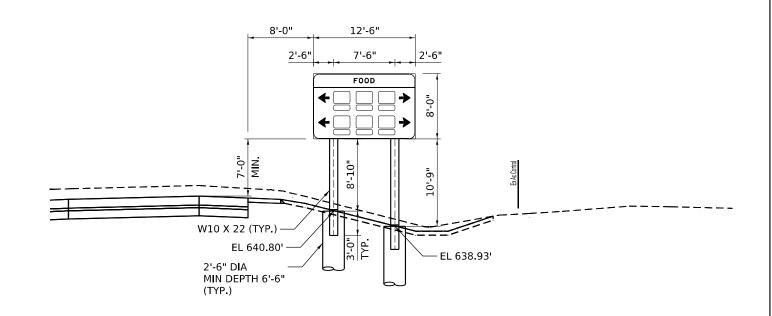
SIGN C-PR-135-G (PROPOSED) BREAKAWAY SIGN SUPPORTS LARKIN RAMP C STA 714+22.00 (LOOKING WEST)



SIGN A-PR-221-G (PROPOSED) BREAKAWAY SIGN SUPPORTS LARKIN RAMP A STA 910+00.00 (LOOKING SOUTHEAST)



SIGN C-PR-136-G (PROPOSED) BREAKAWAY SIGN SUPPORTS LARKIN RAMP C STA 715+25.00 (LOOKING WEST)

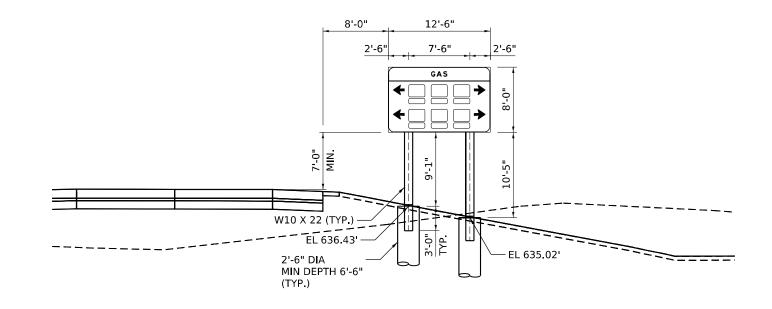


SIGN A-PR-222-G (PROPOSED)
BREAKAWAY SIGN SUPPORTS
LARKIN RAMP A STA 911+00.00
(LOOKING SOUTHEAST)

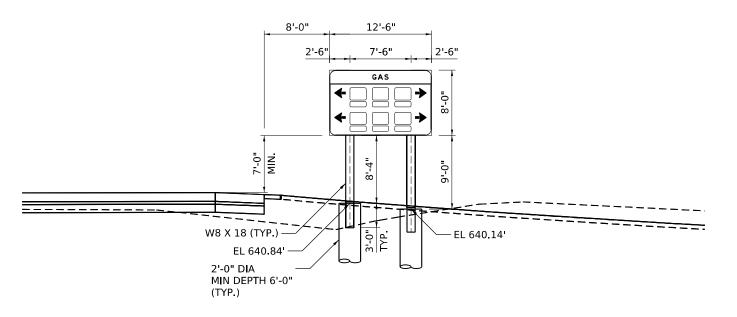
TRANSYSTEMS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: NONE



SIGN A-PR-417-G (PROPOSED) BREAKAWAY SIGN SUPPORT LARKIN RAMP A STA 915+00.00 (LOOKING EAST)



SIGN C-PR-518-G (PROPOSED) BREAKAWAY SIGN SUPPORT LARKIN RAMP C STA 716+25.00 (LOOKING WEST)

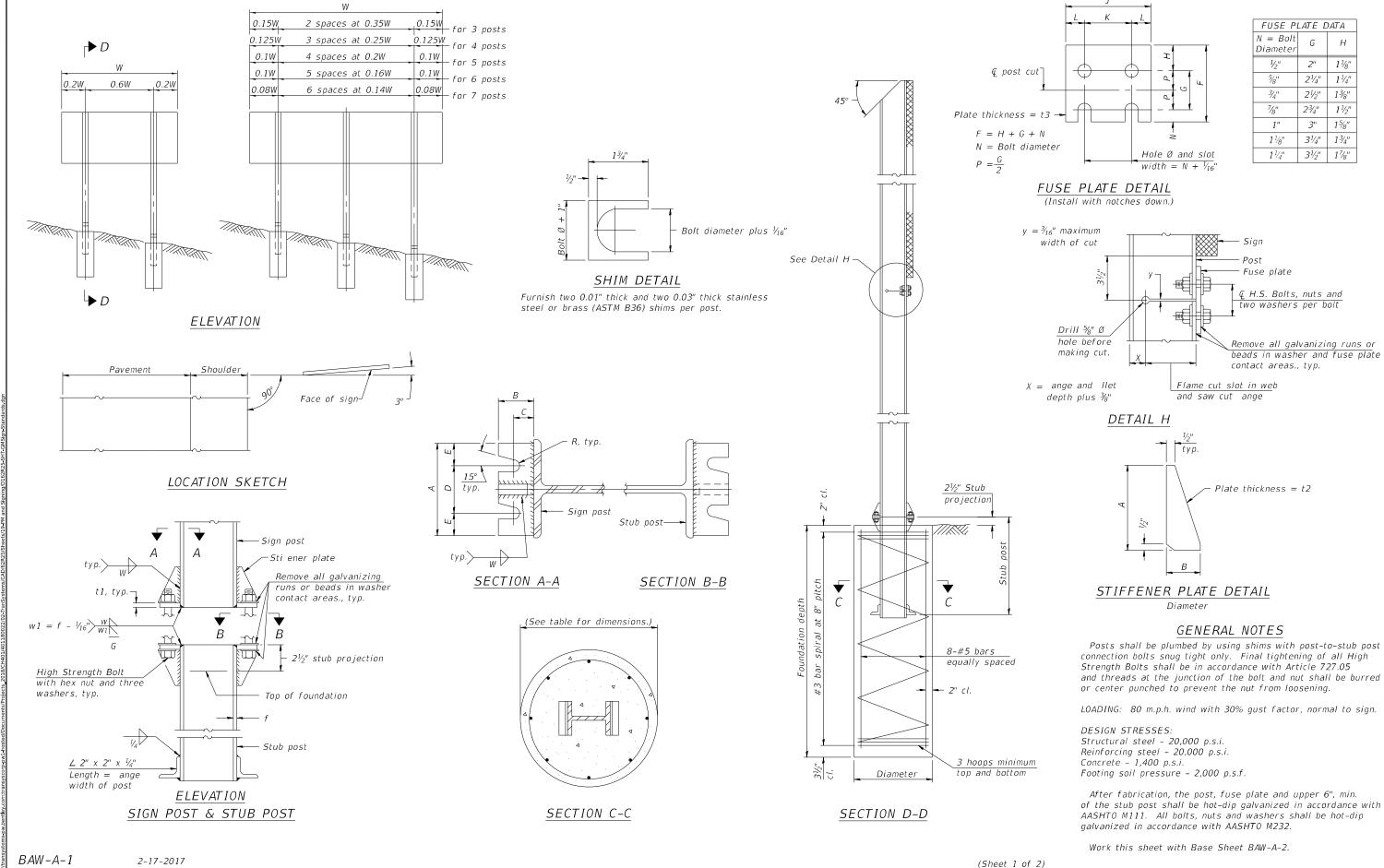
TRANSYSTEMS

	OSEK NAME = VIJanachione	DESIGNED -	VLJ
•		DRAWN -	AMK
)	PLOT SCALE = 0.16666633 / in.	CHECKED -	JMG
	PLOT DATE = 6/4/2024	DATE -	6/4/24

REVISED REVISED REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	SIGN MOUNTING DETAILS	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		I-80	FAI 80 21 STRUCTURE 4	WILL	550	220
				CONTRACT	NO. 621	R25
	SCALE: NONE SHEET 4 OF 4 SHEETS STA. TO STA.		ILLINOIS FEE	D. AID PROJECT		
_	SOLETION STATE OF THE STATE OF		ILLINOIS I L	D. AID I NOJECI		



11/8"

1¾"

 $1\frac{1}{2}$ "

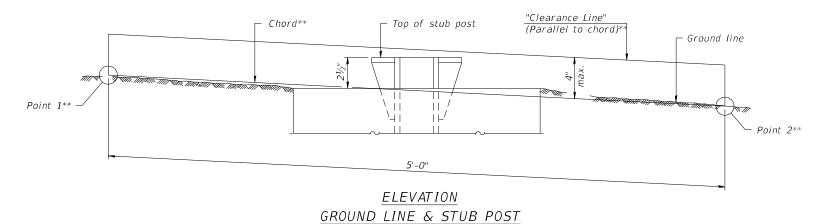
15/8"

SER NAME = vljanachione DESIGNED - VLJ REVISED SECTION **BREAK-AWAY WIDE FLANGE STATE OF ILLINOIS TRANSYSTEMS** DRAWN AMK REVISED 1-80 FAI 80 21 STRUCTURE 4 WILL 550 221 STEEL SIGN POST DETAILS CHECKED -JMG REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 62R25 SCALE: NONE OF 2 SHEETS STA. TO STA. REVISED SHEET 1 LOT DATE = 6/4/2024 DATE 6/4/24

			CONCI	RETE FOUNDA	TION TABL	.E				P0:	ST TO	STUB	POST (CONNE	CTION	DATA			FU.	SE PLA	ATE DA	TA
POST		Foundatio	n	Re	einforcem	ent		Stub Post														1
, 037	Diameter	* Minimum * Depth	Concrete 1) cu. yds.)	Vertical Bars Length	Bar S Diameter	Spirals Length	Ibs. 2	Length	Bolt Size	Α	В	С	D	Ε	t 1	t2	R	W	J	К	L	t3
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-81/2"	79'-0"	78	2'-3"	5⁄8" x 31∕4"	6"	21/4"	11/4"	3½"	11/4"	3/4"	1/2"	11/32"	1/4"	4"	21/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	5⁄8" x 31⁄4"	6"	21/4"	11/4"	31/2"	11/4"	3/4"	1/2"	11/32"	1/4"	6"	31/2"	11/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	³ / ₄ " x 3 ³ / ₄ "	6"	21/2"	13/8"	31/4"	13/8"	1"	1/2"	13/32"	⁵ /16"	5½"	23/4"	11/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-21/2"	105'-0"	92	3'-0"	³ / ₄ " x 3 ³ / ₄ "	6"	21/2"	13/8"	31/4"	1¾"	1"	1/2"	13/ ₃₂ "	⁵ / ₁₆ "	5¾"	23/4"	11/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-21/2"	112'-0"	98	3'-0"	⁷ / ₈ " x 4"	7"	23/4"	1½"	4"	1½"	1"	3/4"	15/32"	3/8"	5¾"	23/4"	11/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-21/2"	119'-0"	107	3'-0"	⁷ / ₈ " x 4"	7"	23/4"	11/2"	4"	1½"	1"	3/4"	15/32"	3/8"	61/2"	31/2"	11/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8½"	145'-0"	113	3'-0"	⁷ / ₈ " x 4"	7"	23/4"	1½"	4"	$1\frac{1}{2}$ "	1"	3/4"	15/ ₃₂ "	3/8"	6¾"	31/2"	15/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8½"	153'-0"	122	3'-6"	1" x 4½"	7½"	3"	13/4"	4"	1¾"	11/4"	3/4"	17/ ₃₂ "	3/8"	6¾"	31/2"	15/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8½"	162'-0"	130	3'-6"	1" x 4½"	7½"	3"	13/4"	4"	13/4"	11/4"	3/4"	17/32"	3/8"	7"	31/2"	13/4"	1/2"

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

										FUS	SE PLATE	BOLT SIZE	 <u>-</u>								
POST											Sign	Height									
1031	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	½" x 1½"	½" x 1½"	½" x 1½"	½" x 1½"																	
W6x15	½" x 1¾"	½" x 1¾"	½" x 1¾"	5⁄8" x 2"	5⁄8" x 2"	3/4" x 2"	3/4" x 2"	¾" x 2"	¾" x 2"												_
W8x18	½" x 1¾"	½" x 1¾"	½" x 1¾"	½" x 1¾"	5⁄8" x 2"	5⁄8" x 2"	³⁄₄" x 2"	³⁄₄" x 2"	³⁄₄" x 2"	³⁄₄" x 2"											
W10x22	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	5⁄8" x 2"	5⁄8" x 2"	³ / ₄ " x 2 ¹ / ₄ "	3/4" x 21/4"	³ / ₄ " x 2 ¹ / ₄ "	¾" x 2¼"	³ / ₄ " x 2 ¹ / ₄ "	³ / ₄ " x 2 ¹ / ₄ "								
W10x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	5/8" x 21/4"	5⁄8" x 21⁄4"	³ / ₄ " x 2 ¹ / ₂ "	3/4" x 21/2"	³ / ₄ " x 2 ¹ / ₂ "	³ / ₄ " x 2 ¹ / ₂ "	³ / ₄ " x 2 ¹ / ₂ "	³ / ₄ " x 2 ¹ / ₂ "	3/4" x 21/2"							
W12x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	5/8" x 21/4"	5⁄8" x 21⁄4"	³ / ₄ " x 2 ¹ / ₂ "	3/4" x 21/2"	³ / ₄ " x 2 ¹ / ₂ "	³ / ₄ " x 2 ¹ / ₂ "	³ / ₄ " x 2 ¹ / ₂ "	¾" x 2½"	3/4" x 21/2"	3/4" x 21/2"						
W14x30	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	5⁄8" x 2"	5⁄8" x 2"	³ / ₄ " x 2 ¹ / ₄ "	³ / ₄ " x 2 ¹ / ₄ "	³ / ₄ " x 2 ¹ / ₄ "	³ / ₄ " x 2 ¹ / ₄ "	³ / ₄ " x 2 ¹ / ₄ "	³ / ₄ " x 2 ¹ / ₄ "	3/ ₄ " x 2 ¹ / ₄ "	³ / ₄ " x 2 ¹ / ₄ "	3/4" x 21/4"	3/4" x 21/4"				
W14x38	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	5/8" x 21/4"	5/8" x 2 ¹ / ₄ "	³ / ₄ " x 2 ¹ / ₂ "	3/4" x 21/2"	³ / ₄ " x 2 ¹ / ₂ "	³ / ₄ " x 2 ¹ / ₂ "	⁷ ⁄8" x 2¹⁄2"	½" x 2½"	1" x 2¾"	1" x 2 ³ / ₄ "	1" x 2¾"	1" x 23/4"	1" x 2¾"	1" x 23/4"	1" x 2 ³ / ₄ "	1" x 2 ³ / ₄ "
W16x45		½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	5⁄8" x 21⁄4"	5/8" x 21/4"	5⁄8" x 2 ¹ ⁄ ₄ "	³ / ₄ " x 2 ¹ / ₂ "	¾" x 2½"	½" x 2½"	⁷ / ₈ " x 2 ¹ / ₂ "	½" x 2½"	1" x 2 ³ / ₄ "	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"



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

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

BAW-A-2

2-17-2017

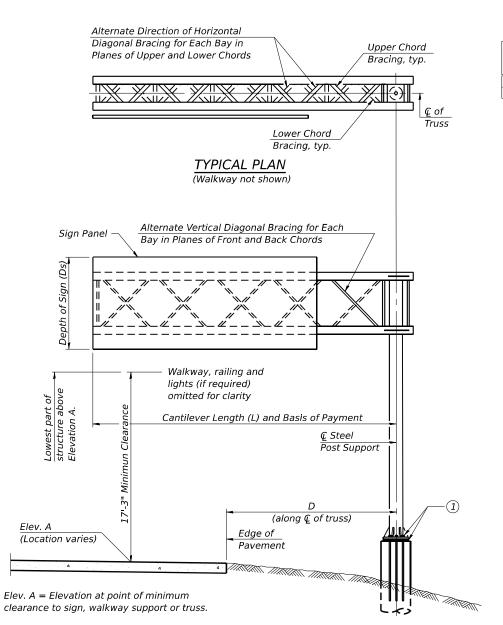
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	DRAWN	-	AMK	REVISED	-
PLOT SCALE = 0.16666633 / in.	CHECKED	-	JMG	REVISED	-
PLOT DATE = 6/4/2024	DATE	-	6/4/24	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

		(Sh.	eet 2 of	2)	
	_	DEAK	۸۱۸	MV WIDI	E FLANGE	
	-	DUENK-	AV	AT WID	E FLANGE	
		STEEL	SIC	IN POST	TABLES	
SHEET	2	OF	2	SHEETS	STA.	TO STA.

SCALE: NONE

SECTION I-80 FAI 80 21 STRUCTURE 4 WILL 550 222 CONTRACT NO. 62R25



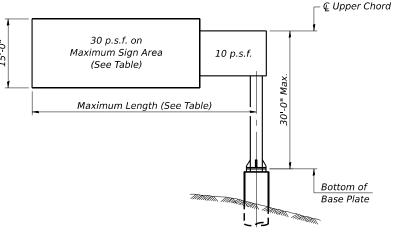
TYPICAL ELEVATION Looking in Direction of Traffic

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.



Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	Ds	Total Sign Area
1C099S007L130.5	64+91.00	II-C-A	28'-6"	652.36	15'-8"	8'-0"	92 Sq. Ft.
1C099S007R130.5	68+22.00	II-C-A	29'-6"	653.35	15'-2"	9'-0"	130.5 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 Sa. 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.

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.

- 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.

Prior to initiating construction activities, the Contractor shall locate all existing utilities that will be impacted by the construction of the OHSS. The contractor must protect or coordinate their relocation with IDOT. Any damage to utilities because of the contractor construction activities shall be repaired by the Contractor at no additional cost. It is noted (but not meant to be inclusive of all utilities) that a proposed underground power cable is proposed to be constructed in the vicinity of Sign Structure 1C099S007R130.5.

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 fc = 3,500 p.s.i.fy = 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 Specificiations.

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

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

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

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

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

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

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

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

WALKWAY: Walkway grating, walkway brackets, handrails, lighting, and associated components shown in these plans on the traffic side of the sign structure/sign panel will not be installed with Contract 62R25. The truss grating and maintenance walkway behind the sign panel will be included with Overhead Sign Structure - Cantilever, Type II-C-A (36"x5'-6").

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Overhead Sign Structure - Cantilever, Type II-C-A (36" X 5'-6")	Foot	58.0
Drilled Shaft Concrete Foundations	Cu Yd	14.4

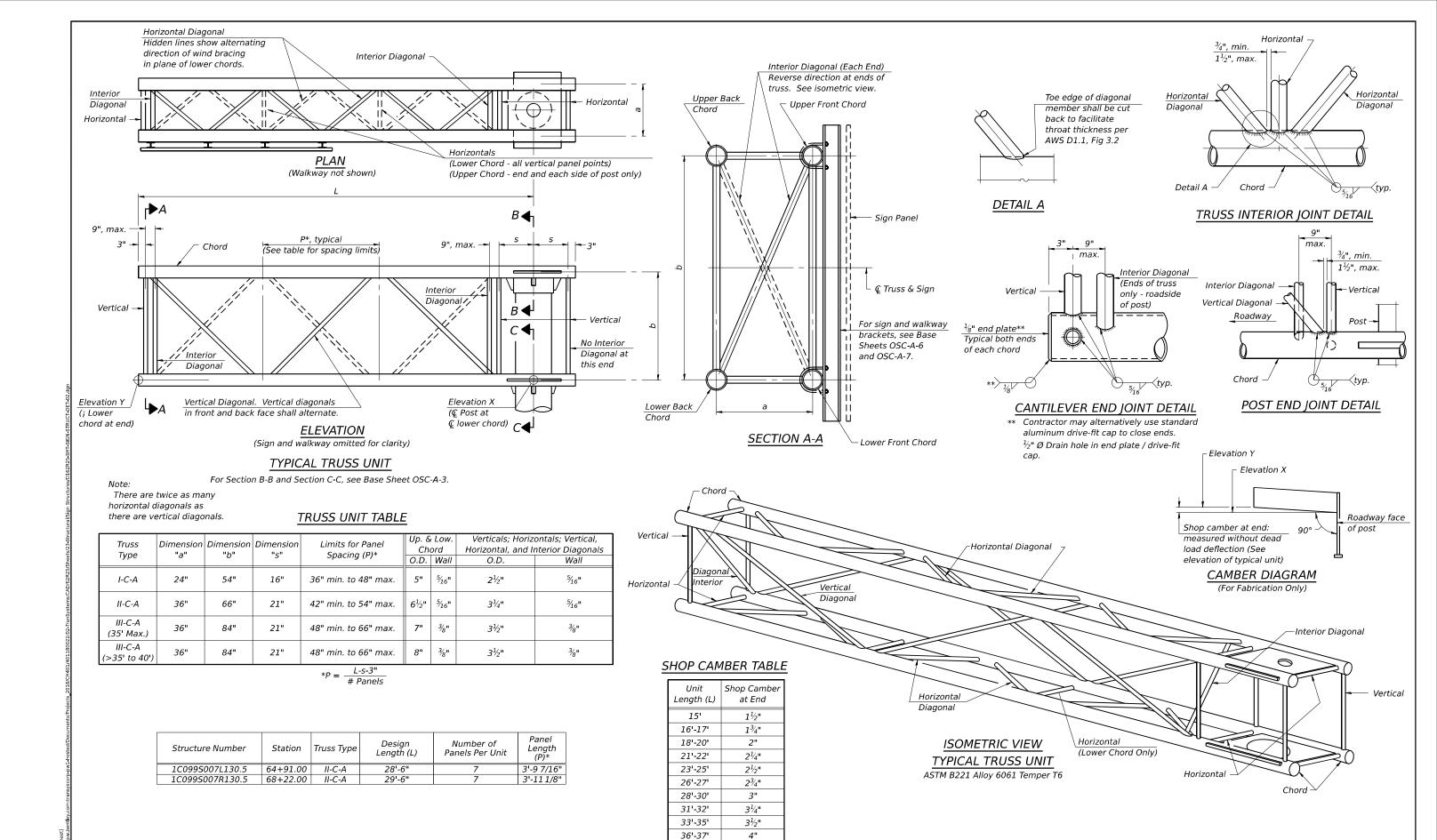
OSC-A-1

5-15-2023

ER NAME = vlianachione DESIGNED -REVISED AGI RAWN CIS REVISED MI, LAE REVISED REVISED 6/4/24

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION CANTILEVER SIGN STRUCTURES - GENERAL PLAN & ELEVATION **ALUMINUM TRUSS AND STEEL POST** SHEET 1 OF 9 SHEETS STA.

SECTION COUNTY 1-80 FAI 80 21 STRUCTURE 4 WILL 550 223 CONTRACT NO. 62R25



OSC-A-2

5-15-2023

HRM	_
ENGINEERING GROUP, LLC	

USER NAME = vljanachione	DESIGNED -	-	AGJ	REVISED	
	DRAWN -	-	CJS	REVISED	-
PLOT SCALE =	CHECKED -	-	MI, LAB	REVISED	-
PLOT DATE = 6/4/2024	DATE -	-	6/4/24	REVISED	-

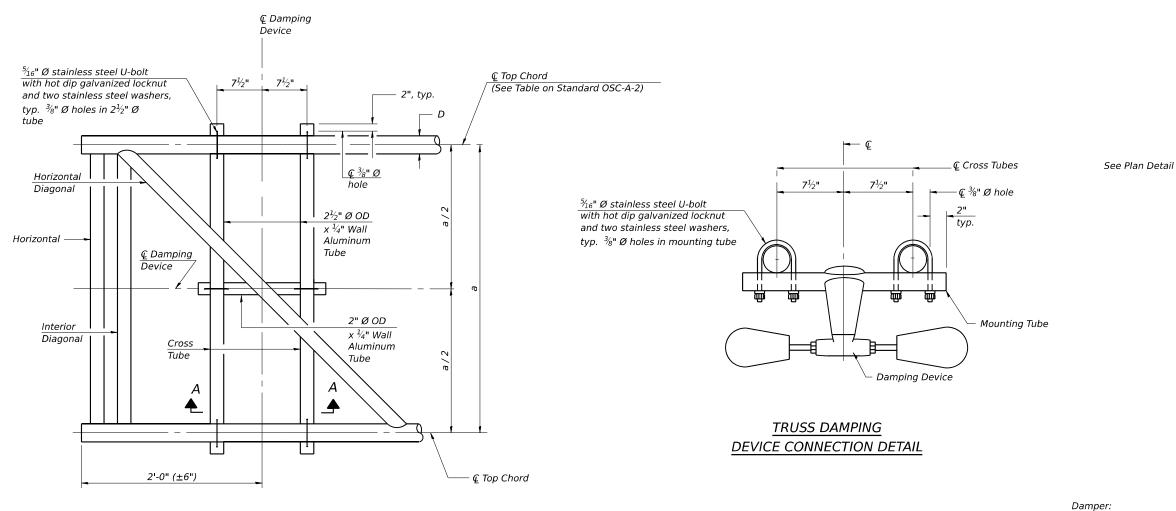
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

41/2"

SCALE:

38'-40'

CANTILEVER SIGN STRUCTURES – TRUSS DETAILS							F.A.I. RTE	
ALUMINUM TRUSS & STEEL POST						I-80	FA	
ALUMINUM INUSS & SIEEL PUST								
	SHEET 2	OF	9	SHEETS	STA.	TO STA.		



GENERAL NOTES

amper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum-

ELEVATION

Aluminum Cantilever

Sign Structure

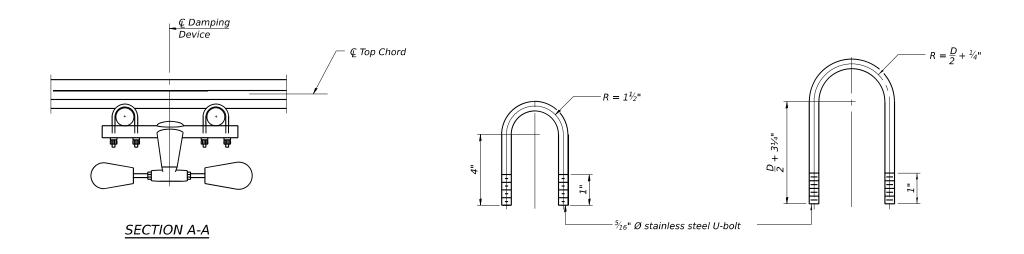
€ Damping

Device

29" minimum between ends of weights)

Materials: Aluminum tubes shall be ASTM B221 alloy 6061

temper T6



DAMPING DEVICE MOUNTING

TUBE U-BOLT DETAIL

(Typical)

TOP CHORD TO CROSS TUBE

U-BOLT DETAIL
(Typical)

SCALE:

OSC-A-D

HBM ENGINEERING GROUP, LLC

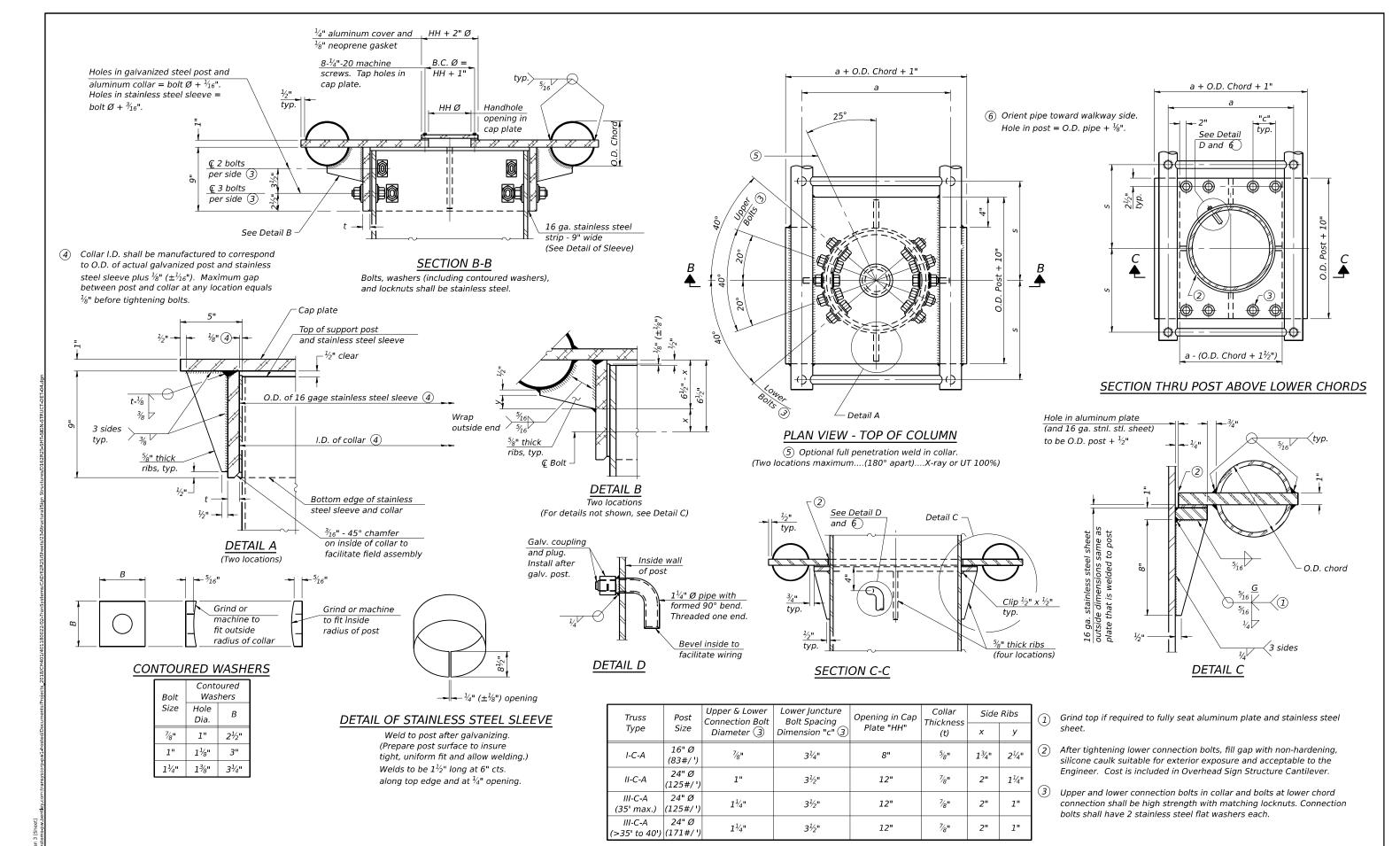
5-15-2023

USER NAME = vijanachione	DESIGNED	-	AGJ	REVISED	
	DRAWN	-	CJS	REVISED	-
PLOT SCALE =	CHECKED	-	MI, LAB	REVISED	-
PLOT DATE = 6/4/2024	DATE	-	6/4/24	REVISED	-

PLAN DETAIL

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

	CANTILEVER SIGN STRUCTURES DAMPING DEVICE						SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.	
							80 FAI 80 21 STRUCTURE 4		WILL	550	225		
										CONTRAC	ΓNO. 62	R25	
	SHEET 3	OF 9	SHEETS	STA.	TO STA.			ILLINOIS	FED. AII	O PROIECT			



OSC-A-3

HBM
FNGINFFRING GROUP LIC

5-15-2023

 USER NAME
 = vljanachione
 DESIGNED
 AGJ
 REVISED

 DRAWN
 CJS
 REVISED

 PLOT SCALE
 =
 CHECKED
 MI, LAB
 REVISED

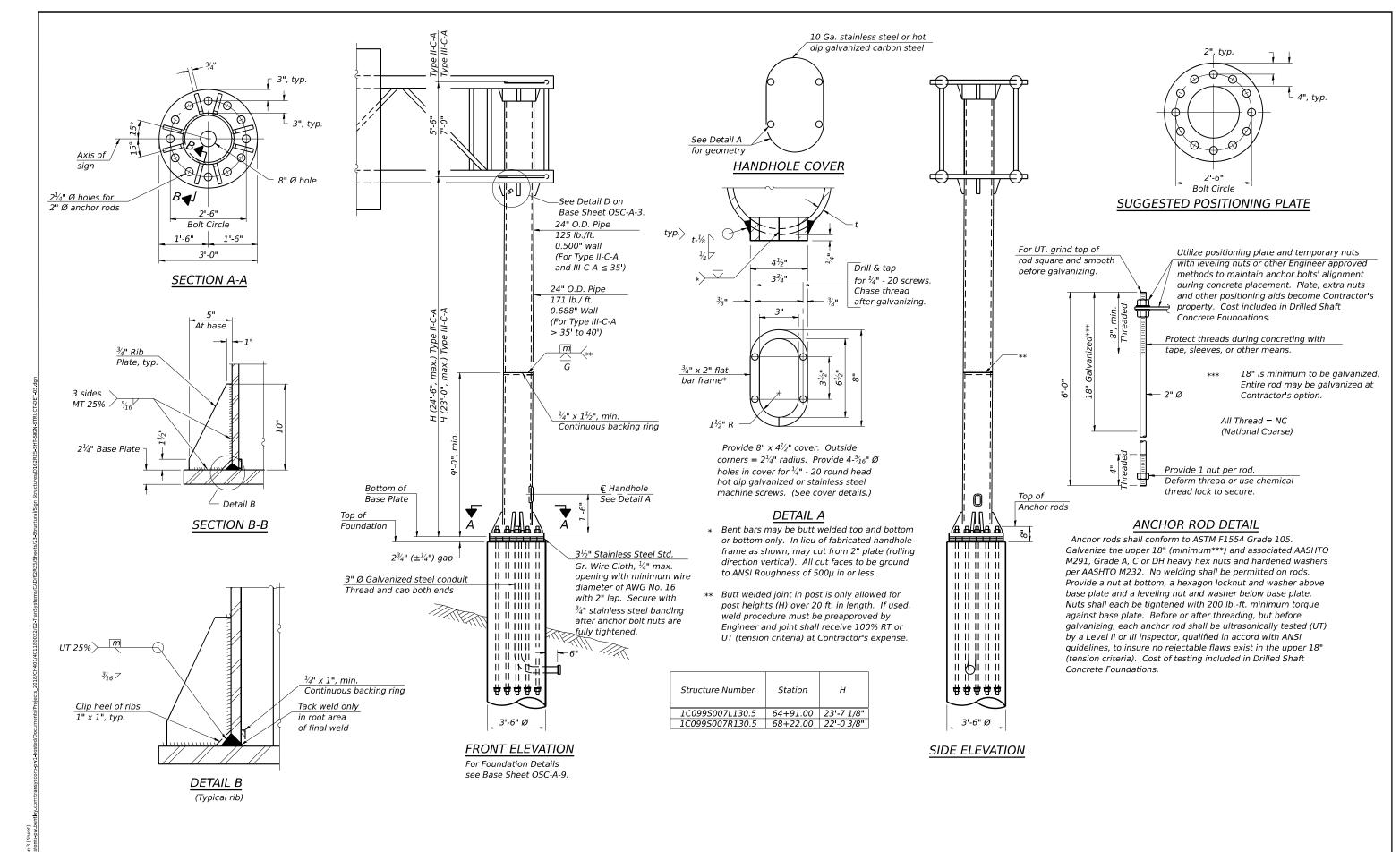
 PLOT DATE
 = 6/4/2024
 DATE
 6/4/24
 REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CANTIL	EVER SIGI. ALUMINU					CTURE DETAILS L Post
	SHEET 4	OF	a .	SHEETS	STA	TO STA

SCALE:

F.A.I. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
I-80	FAI 80 21 STRUCTUE	RE 4	WILL	550	226
			CONTRACT	NO. 621	R25
	ILLINOIS	EED AL	D PROJECT		



OSC-A-5

5-15-2023

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

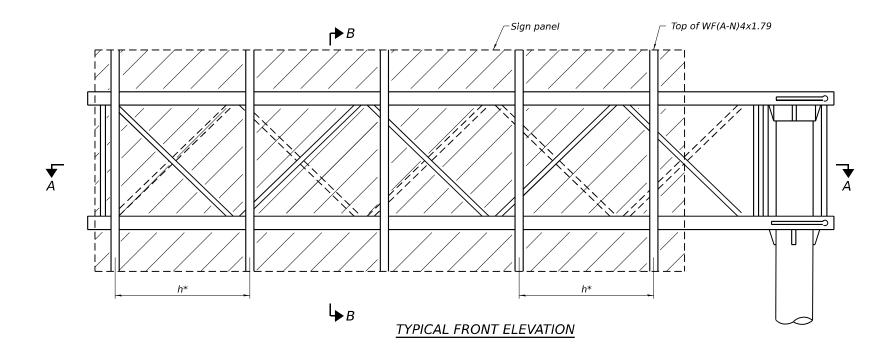
SCALE:

USER NAME = vijanachione	DESIGNED -	AGJ	REVISED
	DRAWN -	CJS	REVISED -
PLOT SCALE =	CHECKED -	MI, LAB	REVISED -
PLOT DATE = 6/4/2024	DATE -	6/4/24	REVISED -

STATI	E OF ILLINOIS	
DEPARTMENT	OF TRANSPORTATION	J

CANTILEVER SIGN STRUCTURES - TYPE II-C-A & III-C-A								
RUSS	SUPORT	POST -	ALU	JMINU	VI TRUSS	&	STEEL POST	
	SHEET 5	OF	9	SHEETS	STA.		TO STA.	

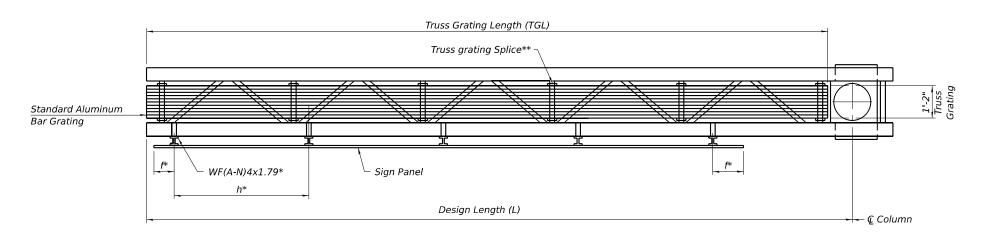
RTE	SECT	TION		COUNTY	SHEETS	NO.
1-80	FAI 80 21 ST	RUCTUR	E 4	WILL	550	227
			CONTRACT	NO. 621	325	
		ILLINOIS	FED. A	D PROJECT		



BRACKET TABLE

WF(A-N)4x1.79 ASTM B308, Alloy 6061-T6									
Sign	Sign Width								
Greater Than	Less Than or Equal To	Brackets Required							
	8'-0"	2							
8'-0"	14'-0"	3							
14'-0"	20'-0"	4							
20'-0"	26'-0"	5							
26'-0"	32'-0"	6							

Structure Number	Station	TGL
1C099S007L130.5	64+91.00	27'-0"
1C099S007R130.5	68+22.00	28'-0"



SECTION A-A

 $TGL = L - (\frac{Post \ O.D.}{2} + 6")$

- * Space sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:
 - f = 12" maximum, 4" minimum (End of sign to ; of nearest bracket)
 - h = 6'-0" maximum (; to ; sign support brackets, WF(A-N)4x1.79
- ** Use and location of grating splices are optional, based on lengths needed and material availability.

Notes

For details of sign placement, sign brackets, truss gratings, grating splices, and Section B-B, see Base Sheet OSC-A-7-NW.

Truss grating to facilitate inspection shall run full length of cantilevers. Cost of truss grating is included in Overhaed Sign Structure Cantilever.

Truss grating dimensions are nominal and may vary (width $\frac{1}{2}$ " \pm , depth $\frac{1}{2}$ " \pm) based on available standard widths.

OSC-A-6-NW

HBM

FIGURERING GROUP I/C

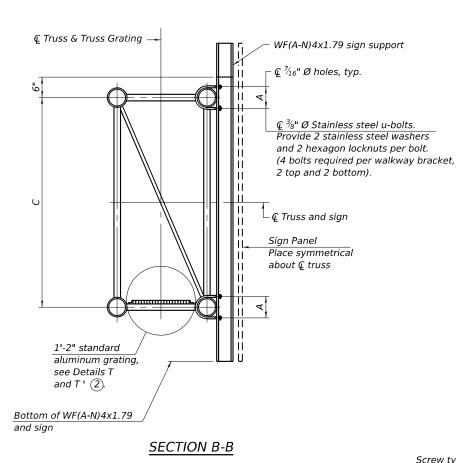
USER NAME = vljanachione	DESIGNED -	AGJ	REVISED
	DRAWN -	CJS	REVISED -
PLOT SCALE =	CHECKED -	MI, LAB	REVISED -
PLOT DATE = 6/4/2024	DATE -	6/4/24	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – ALUMINUM WALKWAY DETAILS – ALUMINUM TRUSS & STEEL POST SCALE: SHEET 6 OF 9 SHEETS STA. TO STA.												
SCALE:	SHEET 6	OF 9	SHEETS	STA.	TO STA.							

MODEL: BL_PR_I80 - Plan 3 [Sheet] FILE NAME: pw://transystems-pw.bentley.

5-15-2023



SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars (MBB) shall be $\frac{3}{16}$ " x $1\frac{1}{2}$ " on $1\frac{3}{16}$ " 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.

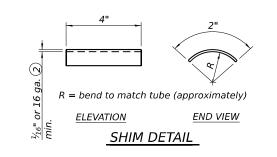
OR

Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:

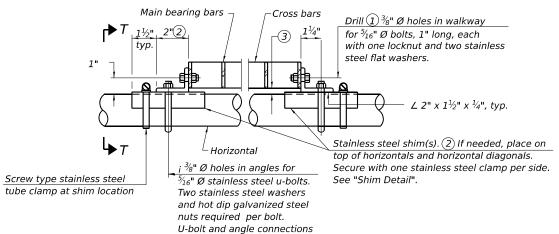
Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.3 per bar, a depth of $1\frac{1}{2}$ ", spaced on $1\frac{3}{16}$ "

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

Structure Number	Station	А	С
1C099S007L130.5	64+91.00	7 1/2"	5'-6"
1C099S007R130.5	68+22.00	7 1/2"	5'-6"



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



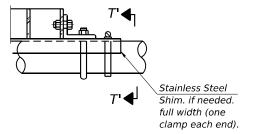
2-L 2" x 1½" x ¼" **Ç** ⁵∕₁₆" Ø bolt at each horizontal (two per angle) 1" $\pm \frac{1}{2}$ ", spaced to Continuous Truss Grating miss cross bars, typ. 1", min. typ. Stainless steel shim(s) (2) $\mathcal{C}^{\frac{3}{8}}$ " Ø holes, typ. Ç 5/16" Ø stainless steel d = outside diameter u-bolt. Two bolts of horizontal required per horizontal. $d+\frac{1}{2}$ " ($\pm\frac{1}{8}$ ")

required at horizontals only.

DETAIL T

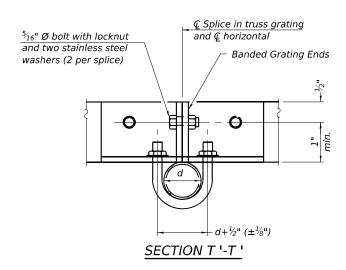
(Continuous Truss grating)

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



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.



OSC-A-7-NW

5-15-2023



USER NAME = vijanachione	DESIGNED -	AGJ	REVISED
	DRAWN -	CJS	REVISED -
PLOT SCALE =	CHECKED -	MI, LAB	REVISED -
PLOT DATE = 6/4/2024	DATE -	6/4/24	REVISED -

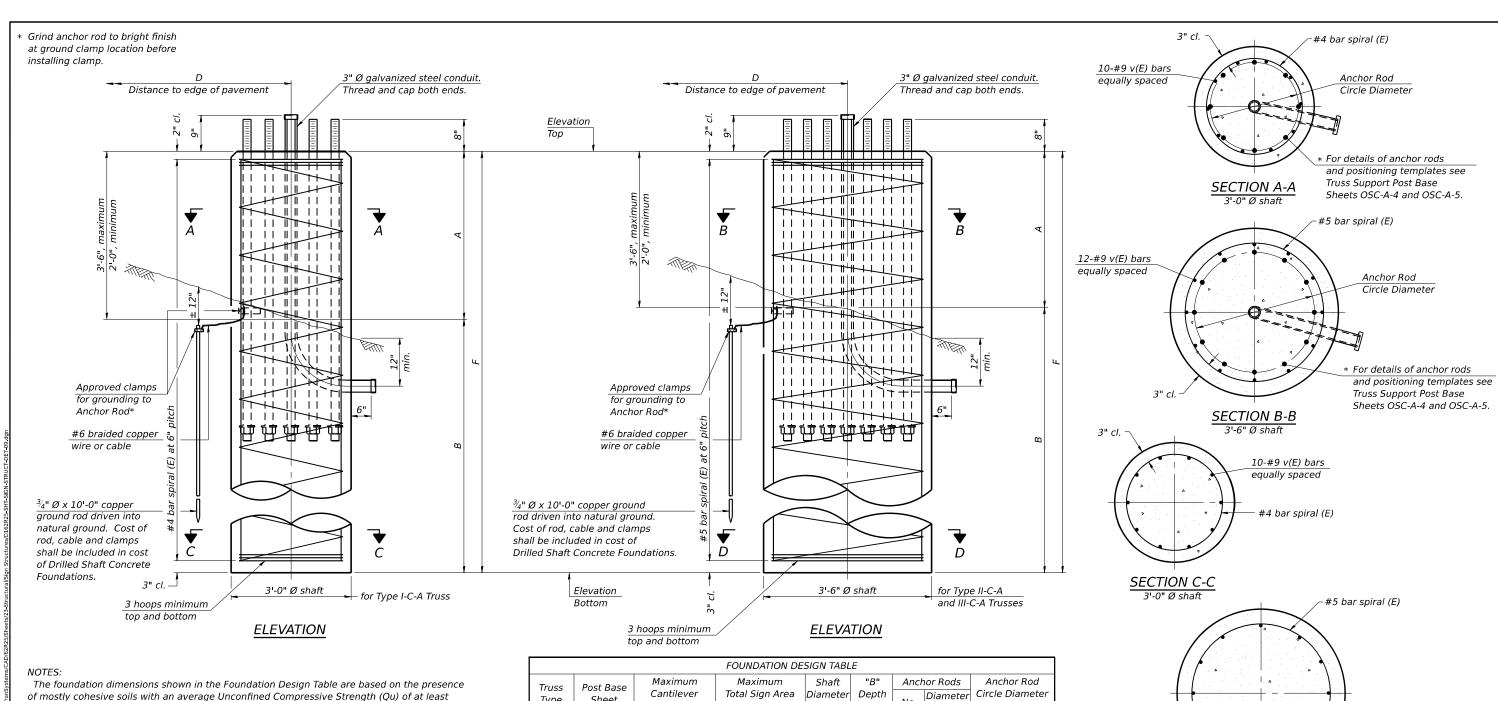
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SECTION T-T

CANTIL					– WALK Steel P	WAY DETAILS OST
	SHEET 7	OF	9	SHEETS	STA.	TO STA.

SCALE:

SECTION COUNTY FAI 80 21 STRUCTURE 4 WILL 550 229 CONTRACT NO. 62R25



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.

5-15-2023

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

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".

	FOUNDATION DESIGN TABLE													
Truss Type	Post Base Sheet	Maximum Cantilever Length (ft)	ever Total Sign Area		"B" Depth (ft)	Ancl No.	nor Rods Diameter (in)	Anchor Rod Circle 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	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						
						· ·								

	FOUNDATION DATA TABLE												
Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu	А	В	F	Class DS Concrete Cubic Yards			
1C099S007L130.5	64+91.00	II-C-A	3'-6"	651.79	631.79	2.40 tsf	3'-0"	17'-0"	20'-0"	7.2			
1C099S007R130.5	68+22.00	II-C-A	3'-6"	654.34	634.34	3.34 tsf	3'-0"	17'-0"	20'-0"	7.2			

OSC-A-9

USER NAME = vijanachione	DESIGNED	-	AGJ	REVISED
	DRAWN	-	CJS	REVISED -
PLOT SCALE =	CHECKED	-	MI, LAB	REVISED -
PLOT DATE = 6/4/2024	DATE	-	6/4/24	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

AN	ΓILEVE	R SI	GN	STF	RUCTURI	ES – DR	ILLED SHAFT	F.A.I. RTE.	SECT	ION		COUNTY	TOTAL SHEETS	SHEE NO.
	ALUMINUM TRUSS & STEEL POST						I-80	-80 FAI 80 21 STRUCTURE 4			WILL	550	230	
	AL	JIVIII	NO IVI	- ''	1033 0	SILLL	r 031					CONTRACT	NO. 621	R25
	SHEET	8	OF	9	SHEETS	STA.	TO STA.	ILLINOIS FED AID PROJECT						

SECTION D-D

3'-6" Ø shaft

3" cl.

12-#9 v(E) bars

equally spaced

CA SCALE:



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

BORING LOG OHS14-01

WEI Job No.: 7901-15-01

TranSystems Corporation Project I-80 Reconstruction (Houbolt Rd to Center St) Will County, Illinois Location

Datum: NAVD 88 Elevation: 651.45 ft North: 1764730.01 ft East: 1041534.55 ft Station: 68+07.87 Offset: 56.026 RT

Profile	SOIL AND ROCK DESCRIPTION	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 (%)
	Stiff to hard, brown and gray SILTY CLAY to CLAY; dampFILLRDR 2		1	3 5 4	3.00 P	17				- - -	9	4 7 14	2.38 B	18
	L _L (%)=37, P _L (%)=16 %Gravel=4.6 %Sand=12.9 %Silt=47.1 ⁵ %Clay=35.5 A-6 (16)		2	4 3 3	1.97 B	23		 	slow advanceme	25	10	5 10 10	2.00 P	16
			3	2 5 5	1.00 P	18			-auger refusal at 27.5 ft, mo 4 ft north and blind drill to 2		11	10 13 18	NR	
	- - 10_ -		4	3 6 6	3.69 B	20				ft 30	12	14 12 15	4.84 B	18
	- - - -		5	3 6 7	6.97 B	20				-				
	trace brick		6	4 10 9	4.26 B	19		616.5 Bo	ring terminated at 35.00 ft	35	13	13 14 21	5.08 B	19
	Stiff, dark gray CLAY, trace organic matter; moist RDR 2		7	3 5 4	1.72 B	25								
Beg Dri	Very stiff to hard, brown and gray SILTY CLAY, trace gravel; damp RDR 2		8	3 6 9	4.10 B	16				40_				
?	GENERAL N				.c-				WATER I					
Be		mplete				2-15			NO.	<u>¥</u>	DF			
Dri	Iling Contractor Wang Testing Serv									¥	DF	KY		
Dri	ller KG&TC Logger M.								Time After Drilling Depth to Water	NA	NI A	i		
Dri	Iling Method 3.25" IDA HSA; boring	Dac	ĶŢIJ	iea U	pon (omp	net	ion	The stratification lines represen	t the approxima	NA ate bo	oundary	/	
									between soil types; the actual tr	ansition may be	gra	dual.		



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

Fax: 630-953-9938

BORING LOG OHS15-01

WEI Job No.: 7901-15-01

TranSystems Corporation Project I-80 Reconstruction (Houbolt Rd to Center St)

Will County, Illinois

Datum: NAVD 88 Elevation: 651.91 ft

North: 1764408.71 ft East: 1041446.78 ft Station: 64+90.61 Offset: 42.388 LT

			Φ		1	_		T .			Φ		.		_
Profile	allo L	SOIL AND ROCK the DESCRIPTION	Sample Type	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
.4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:4:		10-inch thick CONCRETE 651.1PAVEMENT 650.9 2-inch thick GRAVEL SUB-BASE Medium stiff to very stiff, brown and gray SILTY CLAY to CLAY,		1 3 2 2	1.25 P	22			f to very stiff, brown to gray TY CLAY, trace gravel; dar RDF	mp ¯		9	2 3 3	1.00 P	19
		trace gravel; dampFILL		2 3 5	1.64 B	20				- - - 25_		10	2 2 4	2.05 B	19
		- - - - -		3 2 2 3	2.50 P	18		-	wet spoon recovery; poss sand le			11	4 6 10	2.62 B	19
		L _L (%)=47, P _L (%)=16 %Gravel=2.4 %Sand=8.1 %Silt=49.0 ¹⁰ %Clay=35.5		4 2 2	0.82 B	26				- - 30_ -		12	5 9 12	2.54 B	15
		A-7-6 (29) - - - -		3 3 3	2.87 B	18				- - - -	-				
		- - - 15_ -		5 9 7	2.87 B	20		616.9 Bor	ring terminated at 35.00 ft	35		13	5 7 7	1.97 B	19
r 3/5/24	<u> </u>	633.9 Very stiff, dark gray CLAY; moist		7 2 4 4	3.00 P	24				- - -					
WANGENGINC 79011501.GPJ WANGENG.GDT		RDR 2 - - - 20_	$/\setminus$	8 2 3 6	2.87 B	27			MATER	40_					
97.	GENERAL NOTES								WATER						
Begin Drilling 02-16-2024 Complete Drilling 02-16-2024										♀			50 ft	• • • • • • • • • • • • • • • • • • • •	
KC 7		Illing Contractor Wang Testing Servi								¥		26.	00 ft	• • • • • • • • • • • • • • • • • • • •	
INGI		ller AG&TC Logger M. F							Time After Drilling	NA.		B 1 4	Λ.		
Drilling Method 2.25" IDA HSA; boring backfilled upon completion								Depth to Water The stratification lines represer between soil types: the actual tr				oundar	у		



USER NAME = vijanachione	DESIGNED - AGJ	REVISED
	DRAWN - CJS	REVISED -
PLOT SCALE =	CHECKED - MI, LAB	REVISED -
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

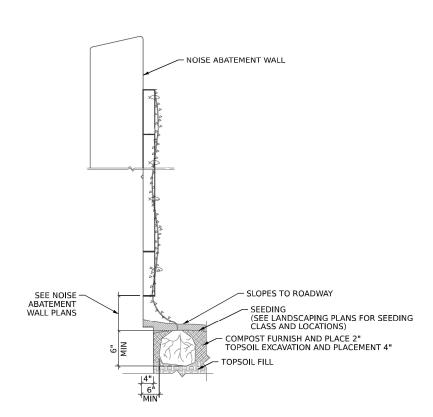
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE:

	CANT	ILEVER	SIGN S	TRUCTU	RES	F.A.I. RTE	SECTION	COUNTY TOTAL SHEETS		SHEET NO.
BORING LOGS							FAI 80 21 STRUCTURE 4	WILL	550	231
		DUN	IIVG LO	u				CONTRACT	NO. 621	R25
	SHEET 9	OF 9	SHEETS	STA.	TO STA.		ILLINOIS FED. AII	D PROJECT		

LANDSCAPING SCHEDULE

	COMPOST FURNISH AND PLACE, 2"	SEEDING, CLASS 1B	SEEDING, CLASS 2A	SEEDING, CLASS 4	SEEDING, CLASS 4B	NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	INTERSEEDING, CLASS 4A	EROSION CONTROL BLANKET	VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGELMANNII VIRGINIA CREEPER), 1- GALLON POT	COARSE SAND PLACEMENT, 2"	WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT	MOWING (SPECIAL)
LOCATION	SQ YD	ACRE	ACRE	ACRE	ACRE	POUND	POUND	ACRE	SQ YD	EACH	SQ YD	ACRE	ACRE
NW QUAD - RAMP D & RAMP DD REMOVAL	284	0.75	1.25	6.25	0.50	183	183	-	42,350	1,278	32,670	-	-
NE QUAD - RAMP C & RAMP CC	161	-	1.00	2.00	0.25	93	93	2.50	15,730	719	10,890	2.50	2.50
SW QUAD - RAMP A & RAMP AA	-	-	1.75	1.00	0.25	160	160	2.50	14,520		6,050	2.50	2.50
SE QUAD - RAMP B & RAMP BB REMOVAL	27	-	1.25	5.75	0.25	115	115	-	35,090	120	29,040	-	-
SOUTH LARKIN	-	-	1.00	1.50	0.25	93	93	-	13,310	-	8,470	-	-
NORTH LARKIN	-	-	1.00	1.00	0.25	90	90	-	10,890	-	6,050	-	-
TOTAL	472	0.75	7.25	17.50	1.75	734	734	5.00	131,890	2,117	93,170	5.00	5.00



VINE DETAIL

TRANSYSTEMS

	DRAWN -		AMK	REVISED	-
PLOT SCALE = 0.166666 ' / in.	CHECKED -	-	JMG	REVISED	-
PLOT DATE = 6/4/2024	DATE -	-	6/4/24	REVISED	-

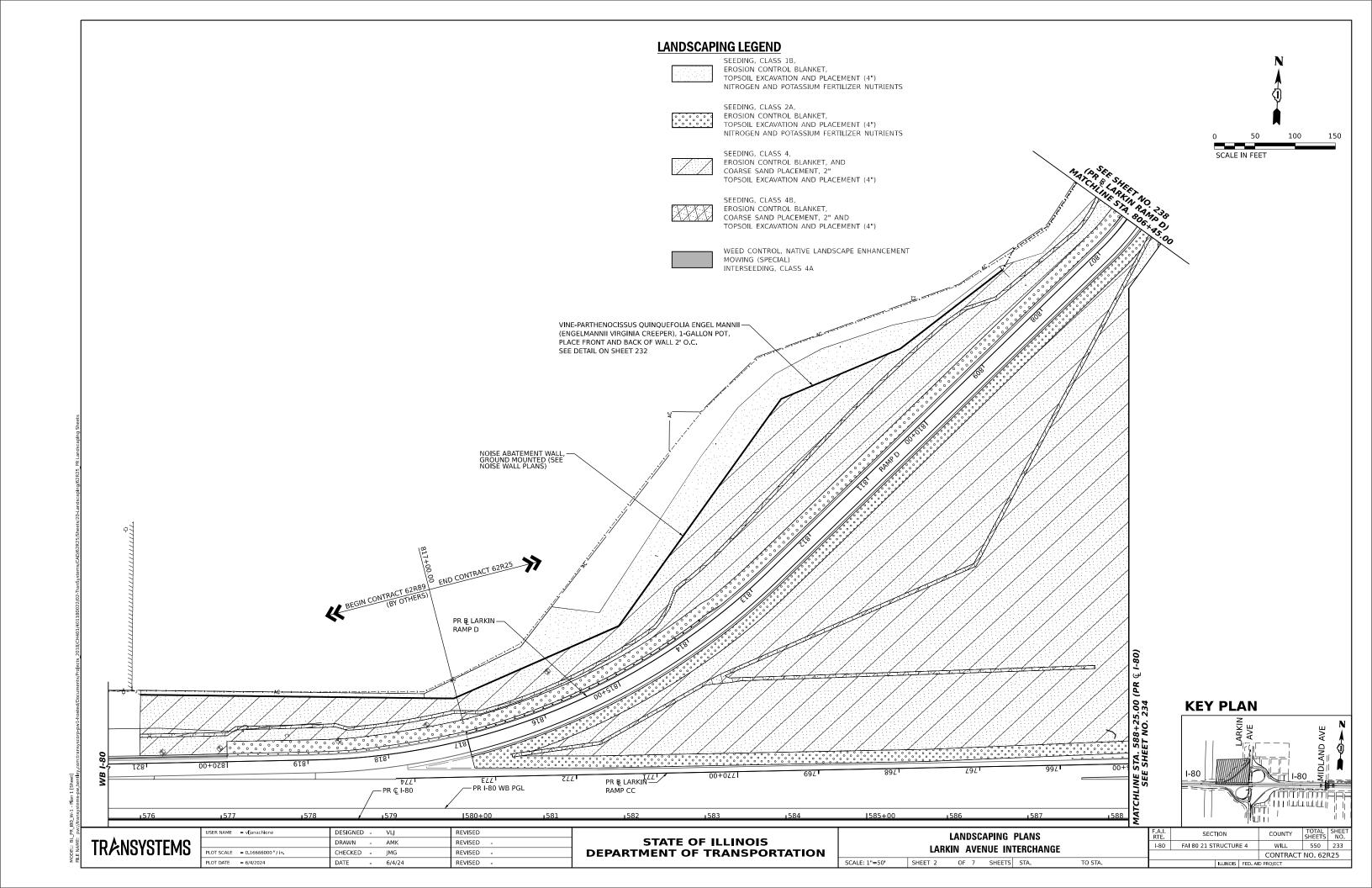
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

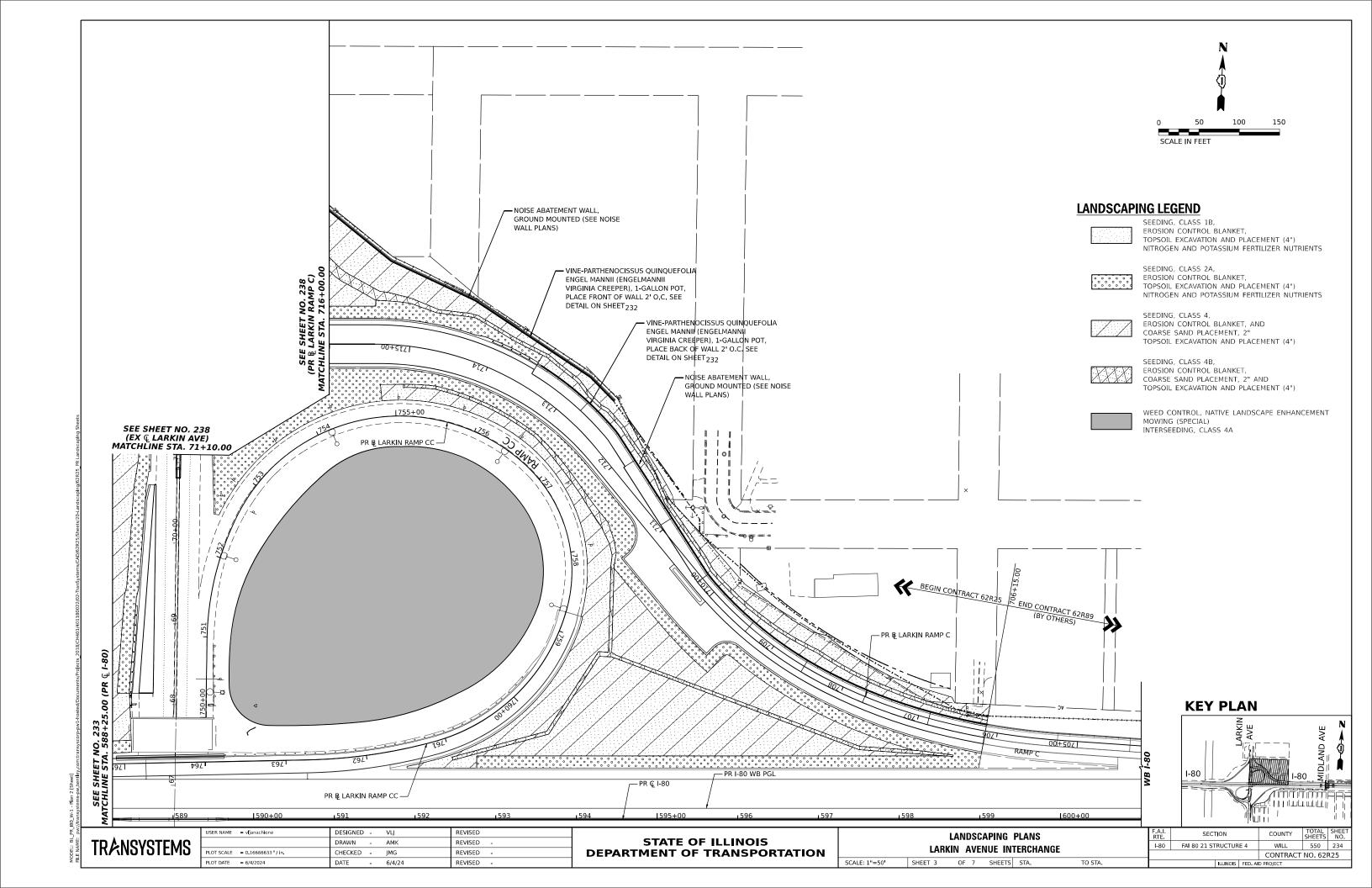
SCALE: NONE

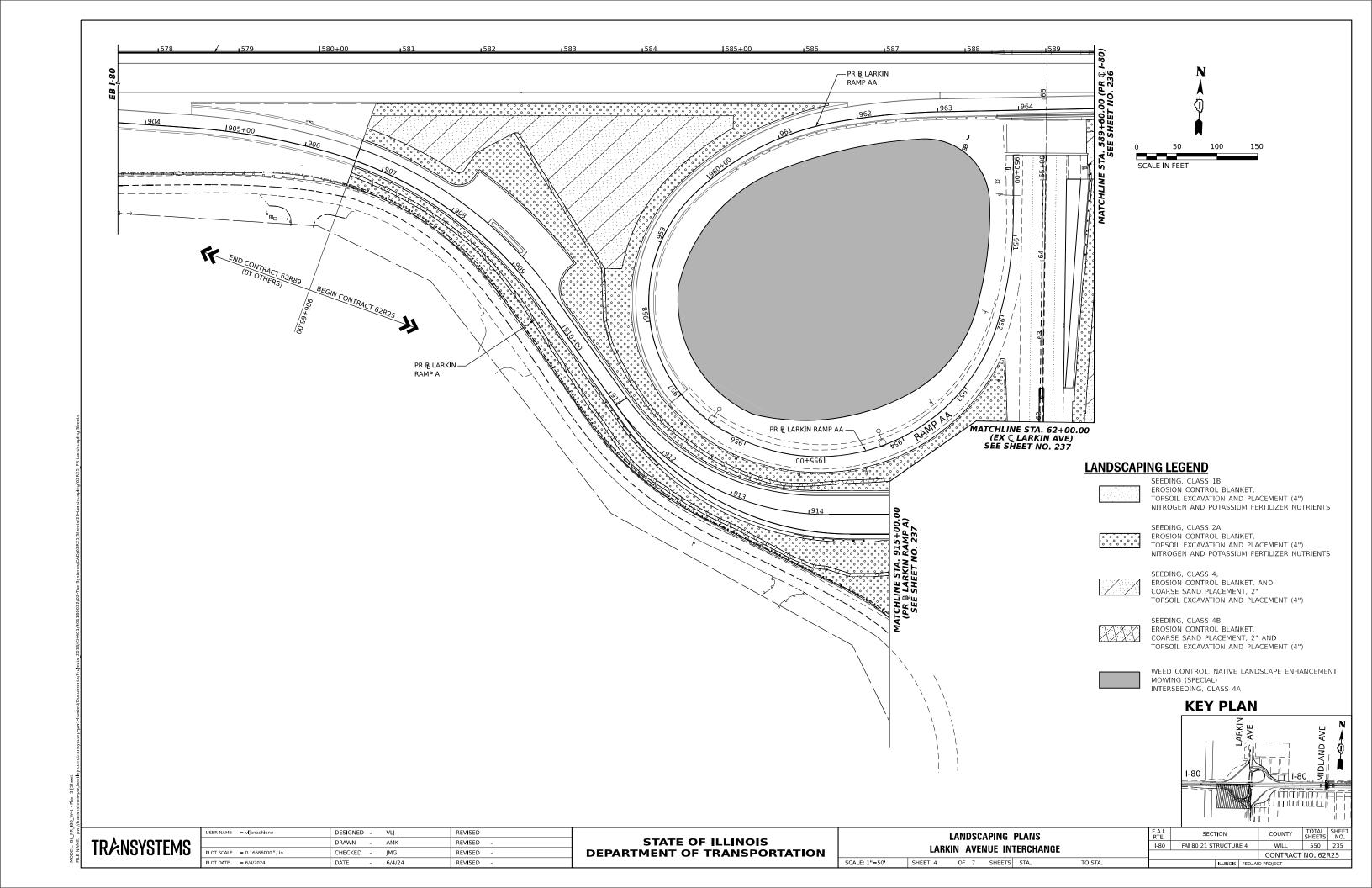
ı	F.A.I. RTE.	SEG				
LARKI	1-80	FAI 80 21 5				
LAIIN						
SHEET 1	OF 7	SHEETS	STA.	TO STA.		

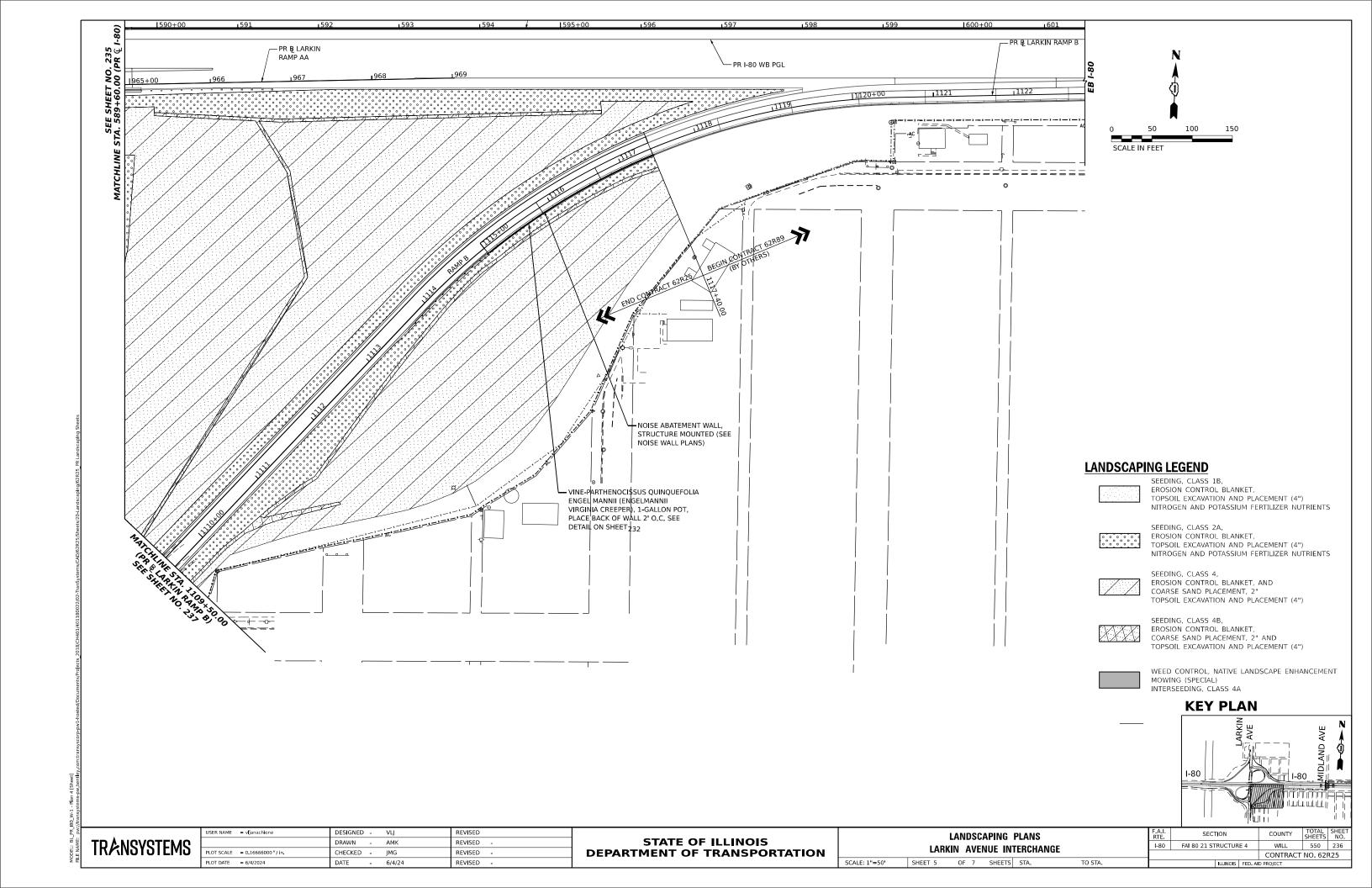
LANDSCAPING NOTES:

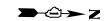
- 1. VILLAGE WATER AND SEWER MAINS MAY BE LOCATED IN THE LANDSCAPE AREA. THE CONTRACTOR SHALL NOT BE ALLOWED TO PROCEED WITH ANY PLANTING WORK UNTIL ALL UTILITY OWNERS FIELD LOCATE THEIR FACILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS. THE ACTUAL LOCATION OF PROPOSED LANDSCAPING WILL BE ADJUSTED IN THE FIELD TO AVOID UTILITIES.
- UNDERBRUSH OR DEBRIS AT PLANTING LOCATIONS SHALL BE REMOVED AND DISPOSED OF ACCORDING TO SECTION 201 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT THE COSTS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 3. THE CONTRACTOR SHALL PROCURE ALL VINE PLANTINGS WITHIN 4 WEEKS OF AWARD OF CONTRACT TO ENSURE THAT THERE WILL BE ADEQUATE QUANTITIES AVAILABLE FOR PLANTING SEASON.



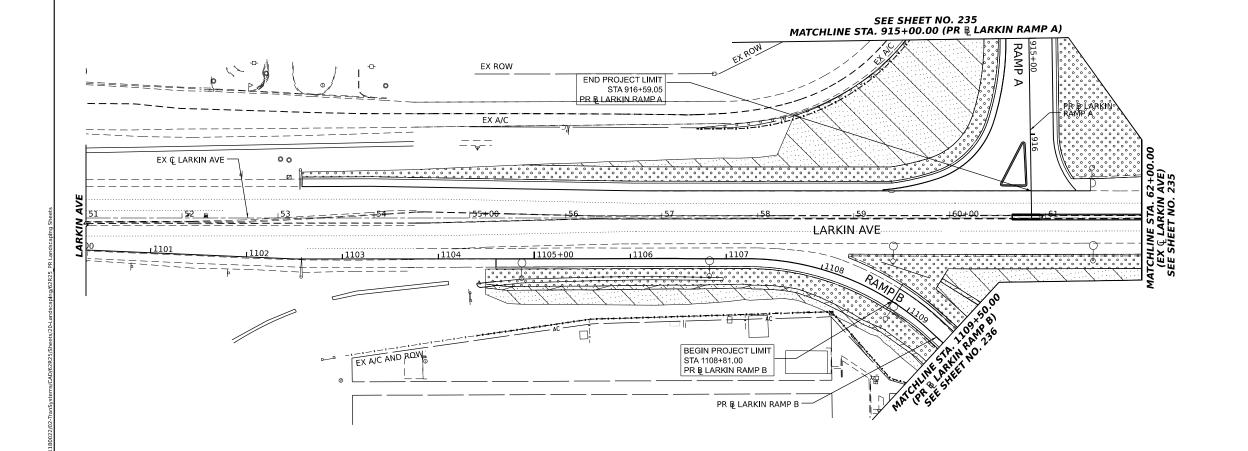












LANDSCAPING LEGEND

SEEDING, CLASS 1B, EROSION CONTROL BLANKET, TOPSOIL EXCAVATION AND PLACEMENT (4") NITROGEN AND POTASSIUM FERTILIZER NUTRIENTS

SEEDING, CLASS 2A, EROSION CONTROL BLANKET, TOPSOIL EXCAVATION AND PLACEMENT (4") NITROGEN AND POTASSIUM FERTILIZER NUTRIENTS



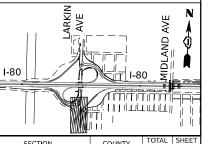
SEEDING, CLASS 4, EROSION CONTROL BLANKET, AND COARSE SAND PLACEMENT, 2" TOPSOIL EXCAVATION AND PLACEMENT (4")

SEEDING, CLASS 4B, EROSION CONTROL BLANKET, COARSE SAND PLACEMENT, 2" AND TOPSOIL EXCAVATION AND PLACEMENT (4")



WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT MOWING (SPECIAL) INTERSEEDING, CLASS 4A

KEY PLAN



TRANSYSTEMS

 USER NAME
 = vIjanachione
 DESIGNED
 VLJ
 REVISED

 DRAWN
 AMK
 REVISED

 PLOT SCALE
 = 0.16666633 '/ in.
 CHECKED
 JMG
 REVISED

 PLOT DATE
 = 6/4/2024
 DATE
 6/4/24
 REVISED

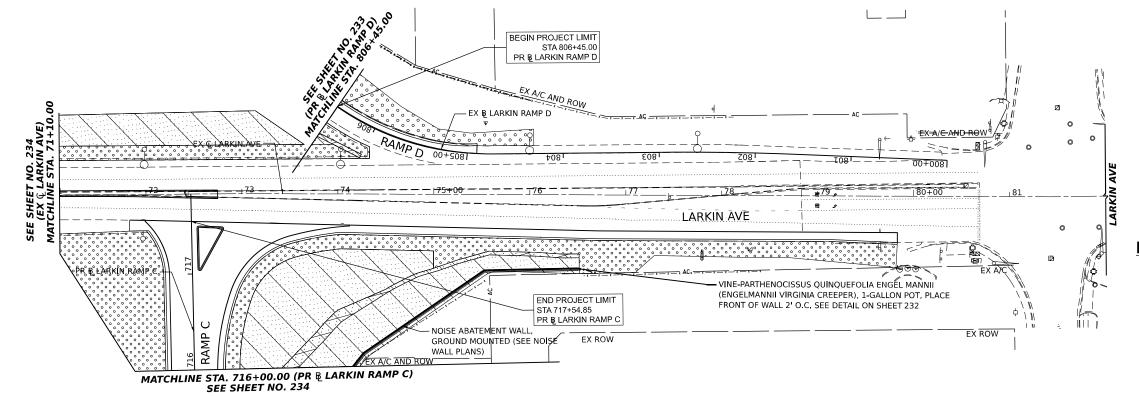
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
LARKIN AVENUE INTERCHANGE

SHEET 6 OF 7 SHEETS STA. TO STA.

SCALE: 1"=50'





LANDSCAPING LEGEND

SEEDING, CLASS 1B,
EROSION CONTROL BLANKET,
TOPSOIL EXCAVATION AND PLACEMENT (4")
NITROGEN AND POTASSIUM FERTILIZER NUTRIENTS

SEEDING, CLASS 2A, EROSION CONTROL BLANKET, TOPSOIL EXCAVATION AND PLACEMENT (4") NITROGEN AND POTASSIUM FERTILIZER NUTRIENTS

SEEDING, CLASS 4, EROSION CONTROL BLANKET, AND COARSE SAND PLACEMENT, 2" TOPSOIL EXCAVATION AND PLACEMENT (4")

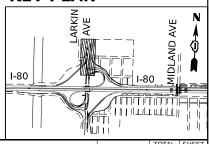


SEEDING, CLASS 4B, EROSION CONTROL BLANKET, COARSE SAND PLACEMENT, 2" AND TOPSOIL EXCAVATION AND PLACEMENT (4")



WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT MOWING (SPECIAL) INTERSEEDING, CLASS 4A

KEY PLAN



TRANSYSTEMS

USER NAME = vijanachione	DESIGNED - VLJ	REVISED
	DRAWN - AMK	REVISED -
PLOT SCALE = 0.16666633 / in.	CHECKED - JMG	REVISED -
PLOT DATE = 6/4/2024	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=501

LANDSCAPING PLANS							
LARKIN AVENUE INTERCHANGE							
CUEET 7 OF 7 CUEETC CTA TO CTA							

[, 10]							
A.I. RTE		SECT	LION		COUNTY	TOTAL SHEETS	SHEE
I-80	80 FAI 80 21 STRUCTURE 4				WILL	550	238
					CONTRACT	NO. 621	R25
			ILLINOIS	FED. AI	D PROJECT		

TRAFFIC SIGNAL LEGEND

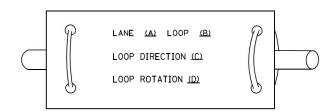
(NOT TO SCALE)

					(NUT TO SCALE)				
ITEM	EXISTING	PROPOSED	<u>ITEM</u>		EXISTING	PROPOSED	ІТЕМ	<u>EXISTING</u>	PROPOSED
CONTROLLER CABINET		×	HANDHOLE -SQUARE				SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R	RR
COMMUNICATION CABINET	ECC	cc	-ROUND	HANDHOLE		_	(,,,		Y Y G G ← Y ← Y ← G ← G
MASTER CONTROLLER	ЕМС	MC	HEAVY DÜTY -SQUARE -ROUND	HANDHOLE	H A	H H		¥ ¥	4 Y 4 G 4 G
MASTER MASTER CONTROLLER	ЕММС	ммс	DOUBLE HAN	DHOLE			SIGNAL USAB MITH BASKBLATS	r Ed Ed Ed	,
UNINTERRUPTABLE POWER SUPPLY	∌	3	JUNCTION BO	×		0	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		R R Y
SERVICE INSTALLATION		P	RAILROAD CA	ANTILEVER MAST ARM	X OX X	X oX X			Y G G G 4Y G 4Y G 4G 4G
-(P) POLE MOUNTED SERVICE INSTALLATION			RAILROAD FL	ASHING SIGNAL	$\overline{X} + \overline{X}$	¥•X		P RB	P RB
-(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	$\boxtimes^{G} \boxtimes$	GM	GM RAILROAD CI	ROSSING GATE	∑0∑ >	***	PEDESTRIAN SIGNAL HEAD	(P)	
TELEPHONE CONNECTION	ET	Т	RAILROAD CI	ROSSBUCK	还	*	AT RAILROAD INTERSECTIONS	()	₽
STEEL MAST ARM ASSEMBLY AND POL	.E	_	RAILROAD CO	ONTROLLER CABINET			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	● C ★ D	₽ C
ALUMINUM MAST ARM ASSEMBLY AND	POLE	>	UNDERGROU GALVANIZED	ND CONDUIT (UC), STEEL					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE	<u>-</u> ₩-	- • ×	TEMPORARY TETHER WIR	SPAN WIRE, E, AND CABLE			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY	Υ 0	• • E			S	SP	NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
WOOD POLE	\otimes	0	INTERSECTIO		1	IP R	GROUND CABLE IN CONDUIT,	1#6	1#6
GUY WIRE	>-	>-	RELOCATE IT			RL	NO. 6 SOLID COPPER (GREEN)	1#6	<u> </u>
SIGNAL HEAD	>	-	ABANDON IT			A	ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
SIGNAL HEAD WITH BACKPLATE	+>	+	CONTROLLER	CABINET AND		RCF	COAXIAL CABLE	<u> </u>	—(c)—
SIGNAL HEAD OPTICALLY PROGRAMME	:D -⊳ ^P -	→ ^P +		TO BE REMOVED			VENDOR CABLE	——————————————————————————————————————	
FLASHER INSTALLATION -(FS) SOLAR POWERED	o-t> ^F o	FS		TO BE REMOVED		RMF			
(19) 332 1312	□> ^F □		FS SIGNAL POST FOUNDATION	AND TO BE REMOVED		RPF	COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	<u></u>	<u>—(6#18)</u>
PEDESTRIAN SIGNAL HEAD	-0	-1	DETECTOR L	OOP, TYPE I			FIBER OPTIC CABLE -NO. 62.5/125, MM12F		12F
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH	BUTTON © ©	APS © Ø	APS PREFORMED	DETECTOR LOOP	PP	PP	-NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		— 24F)—
RADAR DETECTION SENSOR	R	I R■	SAMPLING (S	YSTEM) DETECTOR	s s	s s			—(36F)—
VIDEO DETECTION CAMERA	(V)	1 v	INTERSECTIO (SYSTEM) DE	N AND SAMPLING TECTOR	IS (IS)	IS (IS)			
RADAR/VIDEO DETECTION ZONE	=		QUEUE AND (SYSTEM) DE		os os	QS QS	GROUND ROD -(C) CONTROLLER -(M) MAST ARM	± ^C	$\stackrel{\underline{\dot{=}}}{\bar{\downarrow}}^C \stackrel{\underline{\dot{=}}}{\bar{\downarrow}}^M \stackrel{\underline{\dot{=}}}{\bar{\downarrow}}^P \stackrel{\underline{\dot{=}}}{\bar{\downarrow}}^S$
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ	* *	TECTOR SENSOR	®	®	-(P) POST -(S) SERVICE		
EMERGENCY VEHICLE LIGHT DETECTOR	R ≎⊲	~	WIRELESS AG	CCESS POINT					
CONFIMATION BEACON	\sim	H							
WIRELESS INTERCONNECT	○ -1 	••••							
WIRELESS INTERCONNECT RADIO REPE	EATER ERR	RR							
USER NAM	1E = footemj	DESIGNED - IP DRAWN - IP	REVISED -		TATE OF ILLINOIS		DISTRICT ONE	F.A. SECTION	SHEETS INC
l I		DIVAMAIN - IL	VEATOED -	1 3	AIL OF ILLINUIS	22	ANDARD TRAFFIC SIGNAL DESIGN DETAILS	I-80 FAI 80 21 STRI	UCTURE 4 WILL 550 239

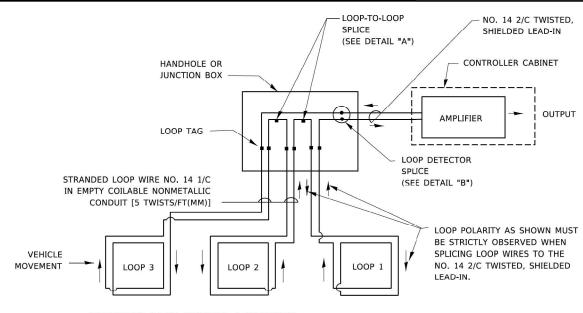
LOOP DETECTOR NOTES

- 1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- 2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- 3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- 4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- 6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- 7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

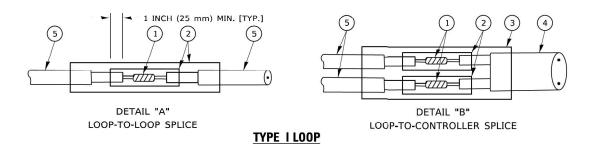


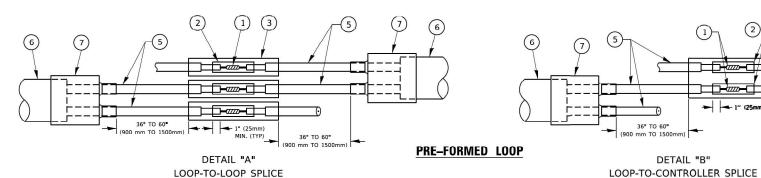
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE,







- 1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- (2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE
- (3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- (4) NO. 14 2/C TWISTED, SHIELDED CABLE.

- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
- (6) XL POLYOLEFIN 2 CONDUCTOR
- (7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

DETAIL "B"

1" (25mm) MIN. (TYP)

DESIGNED . REVISED JSER NAME = footem DRAWN REVISED CHECKED -REVISED -LOT SCALE = 50.0000 ' / in. LOT DATE = 3/4/2019 REVISED

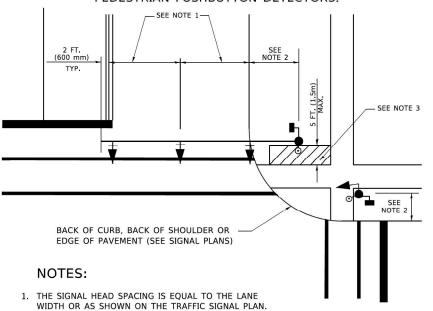
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

COUNTY DISTRICT ONE I-80 FAI 80 21 STRUCTURE 4 WILL 550 240 STANDARD TRAFFIC SIGNAL DESIGN DETAILS CONTRACT NO.62R25 SHEET 2 OF 7 SHEETS STA,

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

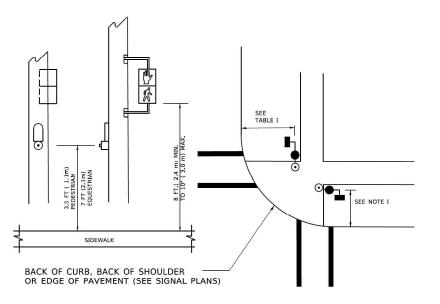
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND

PEDESTRIAN PUSHBUTTON DETECTORS.



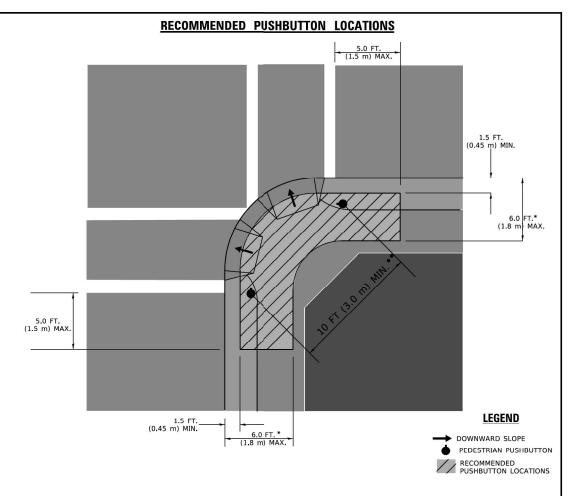
- 2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- 3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR
- 4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
- 5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

PEDESTRIAN SIGNAL POST PEDESTRIAN PUSH BUTTON POST



NOTES:

- 1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- 2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST
- 3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
- 4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

- 1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
- 2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
- 3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
- 4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
- 5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

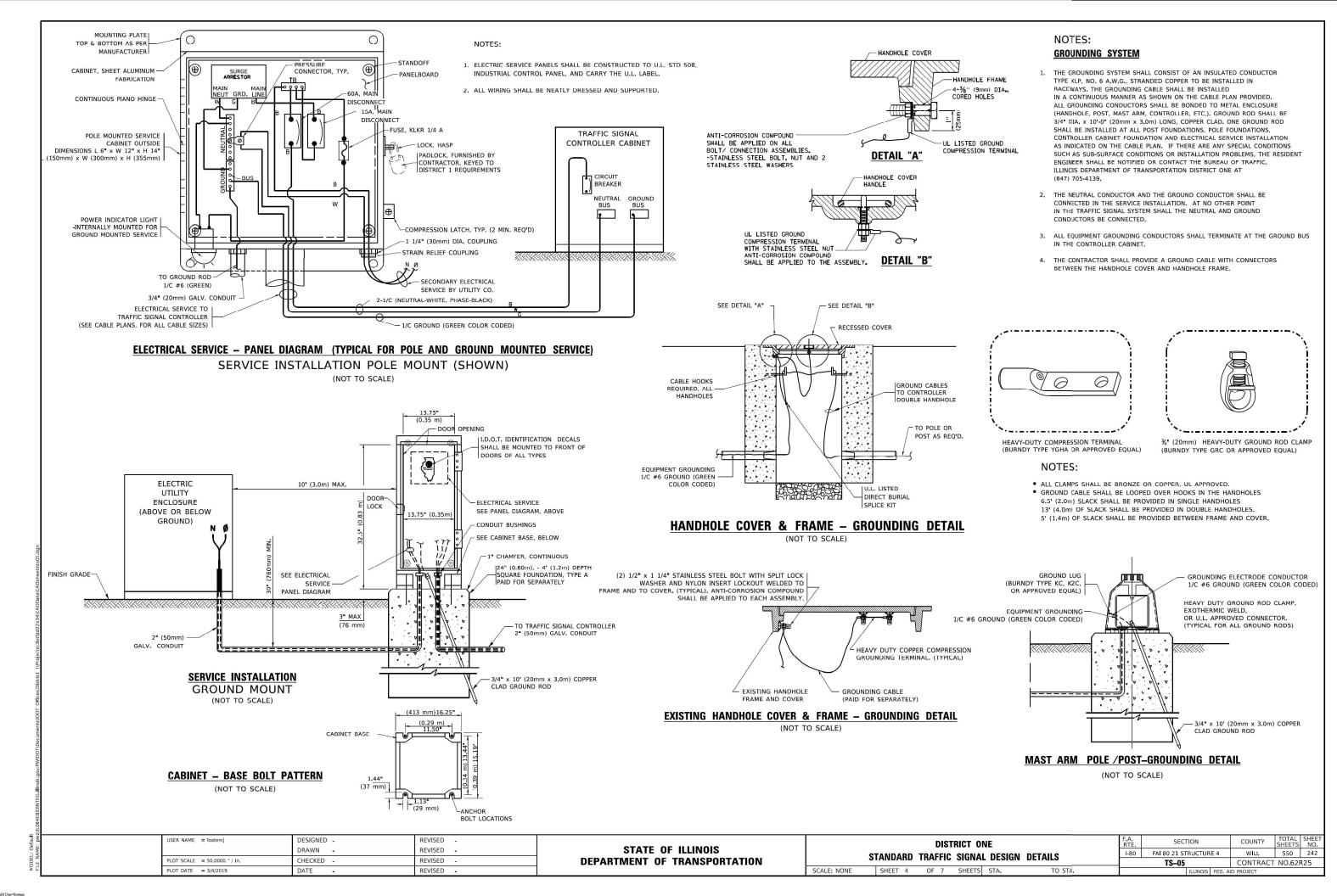
- 1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
- 2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
- 3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
- 4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE, THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

SCALE: NONE

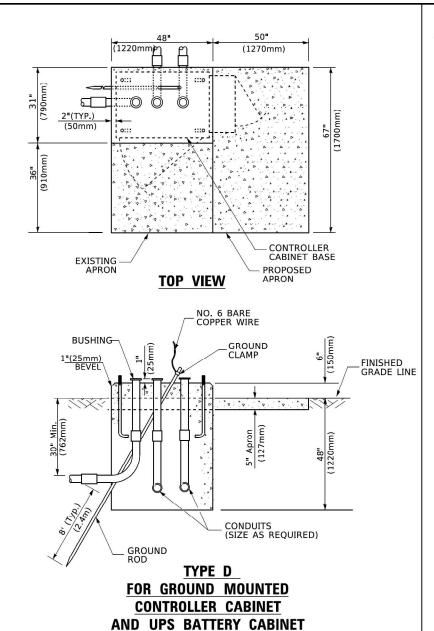
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PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

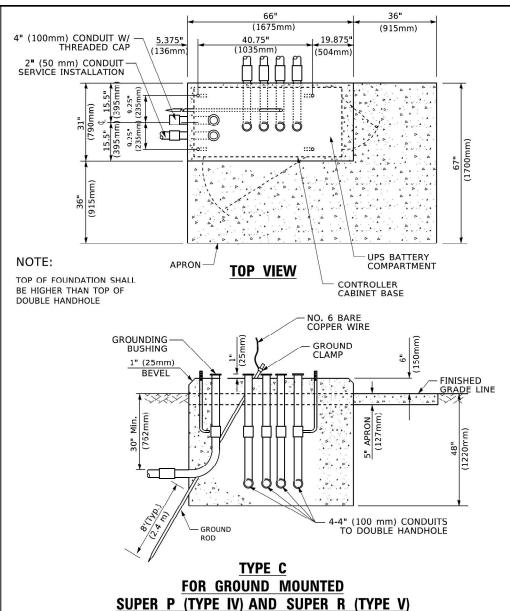
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SECTION COUNTY DISTRICT ONE I-80 FAI 80 21 STRUCTURE 4 WILL 550 241 STANDARD TRAFFIC SIGNAL DESIGN DETAILS TS-05 CONTRACT NO.62R25 SHEET 3 OF 7 SHEETS STA.

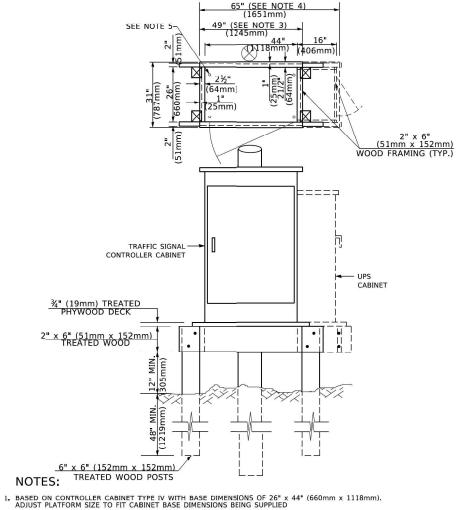


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CONTROLLER CABINETS



- 2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- 3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- 4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- 5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE, FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- 6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER **WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD)		
(L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

CABLE	SLACK
UNIDEE	CEITOIL

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

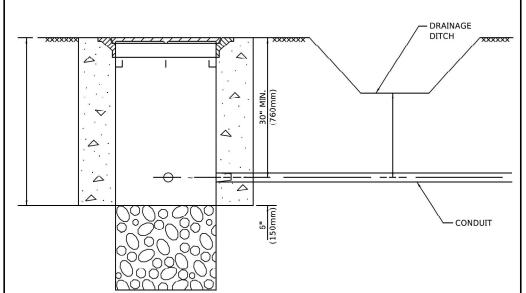
Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3 _• 0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to	13'-6" (4 ₄ 1 m)	30" (750mm)	24" (600mm)	8	6(19)
30' (9.1 m) and less than 40' (12.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Creater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0'' (4 _• 0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50′ (15.2 m) and up to 55′ (16.8 m)	15'-0'' (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0'' (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0'' (7 . 6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Ou) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
- 2. Combination most arm assemblies under 55 feet (16.8 m) shall use $36^{\prime\prime}$ (900 mm) diameter foundations.
- 3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
- 4. For most arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

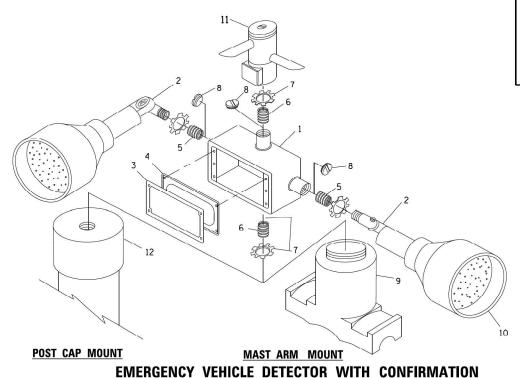
USER NAME = footemj	DESIGNED -	REVISED -	CTATE OF HUMBIO	DISTRICT ONE		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -	STATE OF ILLINOIS	STANDARD TRAFFIC SIGNAL DESIGN DETAILS	I-80	FAI 80 21 STRUCTURE 4	WILL	550	243
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	STANDARD TRAFFIC SIGNAL DESIGN DETAILS		TS-05	CONTRACT	NO.62R	.25
PLOT DATE = 3/4/2019	DATE -	REVISED -		SCALE; NONE SHEET 5 OF 7 SHEETS STA, TO STA.		ILLINOIS FED. AII	D PROJECT		

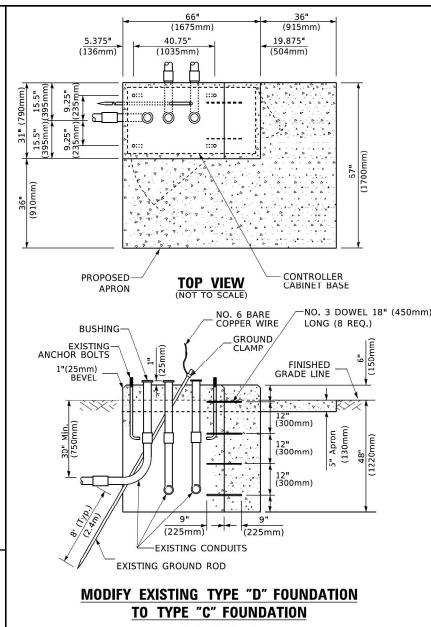


NOTES:

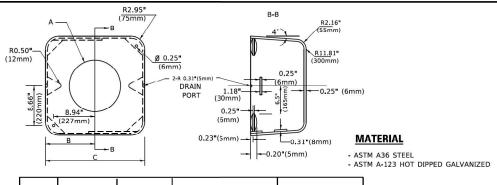
- CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
- THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
- 3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH





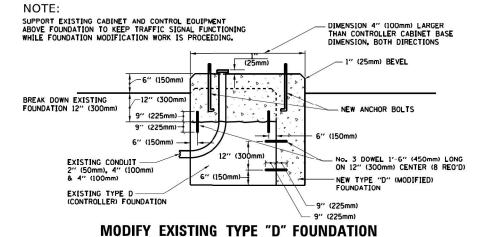
(NOT TO SCALE)

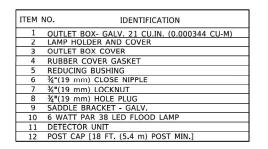


Α	В	С	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

SHROUD

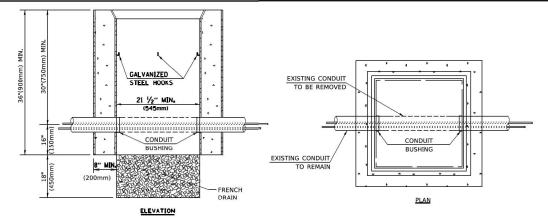
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD.
 THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- 2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- 3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.





NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- 2, ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- 3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



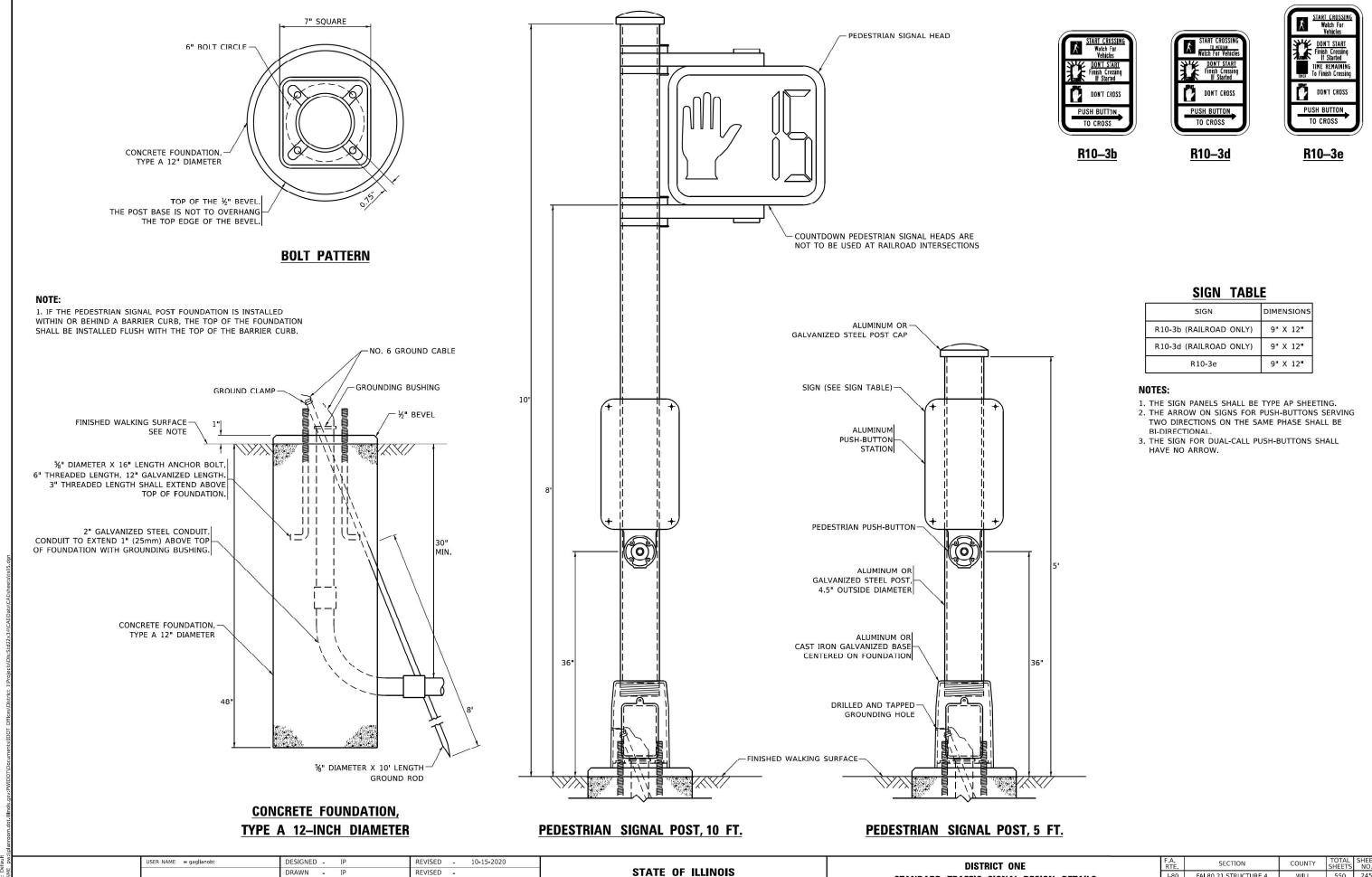
NOTES:

- 1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- 2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

BEACON MOUNTING DETAIL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DEPARTMENT OF TRANSPORTATION

I-80 FAI 80 21 STRUCTURE 4

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SHEET 7 OF 7 SHEETS STA.

WILL

550 245

CONTRACT NO.62R25

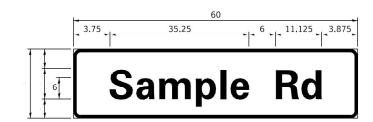
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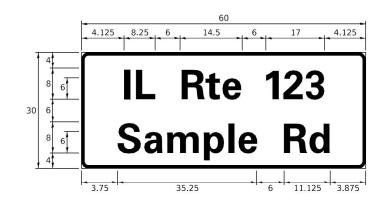
CHECKED -

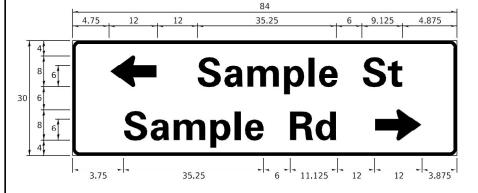
10-15-2018

REVISED

SIGN PANEL - TYPE 1 OR TYPE 2







DES I GN	AREA	SIGN PANEL	SHEETING	QTY.
SER I ES	(SQ FT)	TYPE	TYPE	REQUIRED
D OR C	-	1 OR 2	ZZ	

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH	(INCH)
INAME	ADDREVATION	SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18. 250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8. 250	9. 625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18. 375	22.000
ILLINOIS	IL	7. 000	8. 250
LANE	Ln	9. 125	10.750
PARKWAY	Pkwy	23. 375	27.375
PLACE	PΙ	7. 125	7. 750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7. 750	9. 125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- 1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- 3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE. BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- 4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- 6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS: PARTS LISTING:

 J.O. HERBERT COMPANY, INC MIDLOTHIAN, VA

- WESTERN REMAC, INC.

WOODRIDGE, IL

SIGN CHANNEL SIGN SCREWS

BRACKETS

PART #HPN053 (MED. CHANNEL) 1/4" x 14 x 1" H.W.H. #3

SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)

PART #HPN034 (UNIVERSAL)

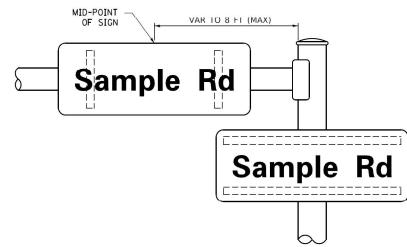
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

SCALE:

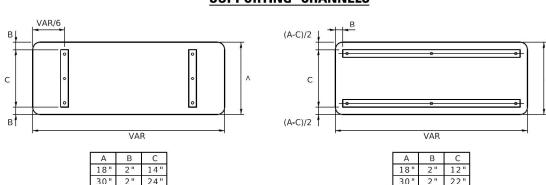
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

ARM OR POLE MOUNTED



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

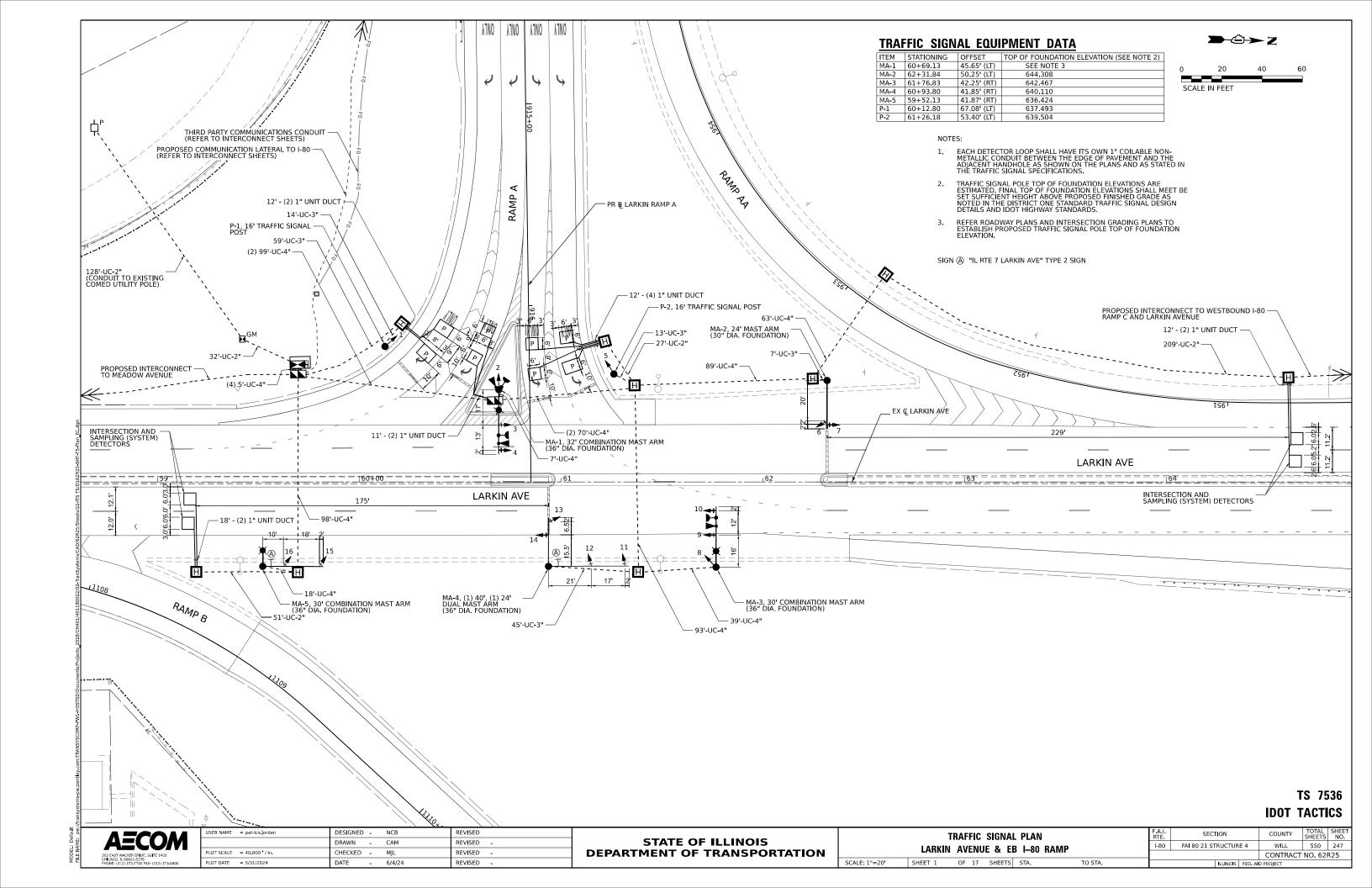
(8") UPPER CASE AND (6") LOWER CASE

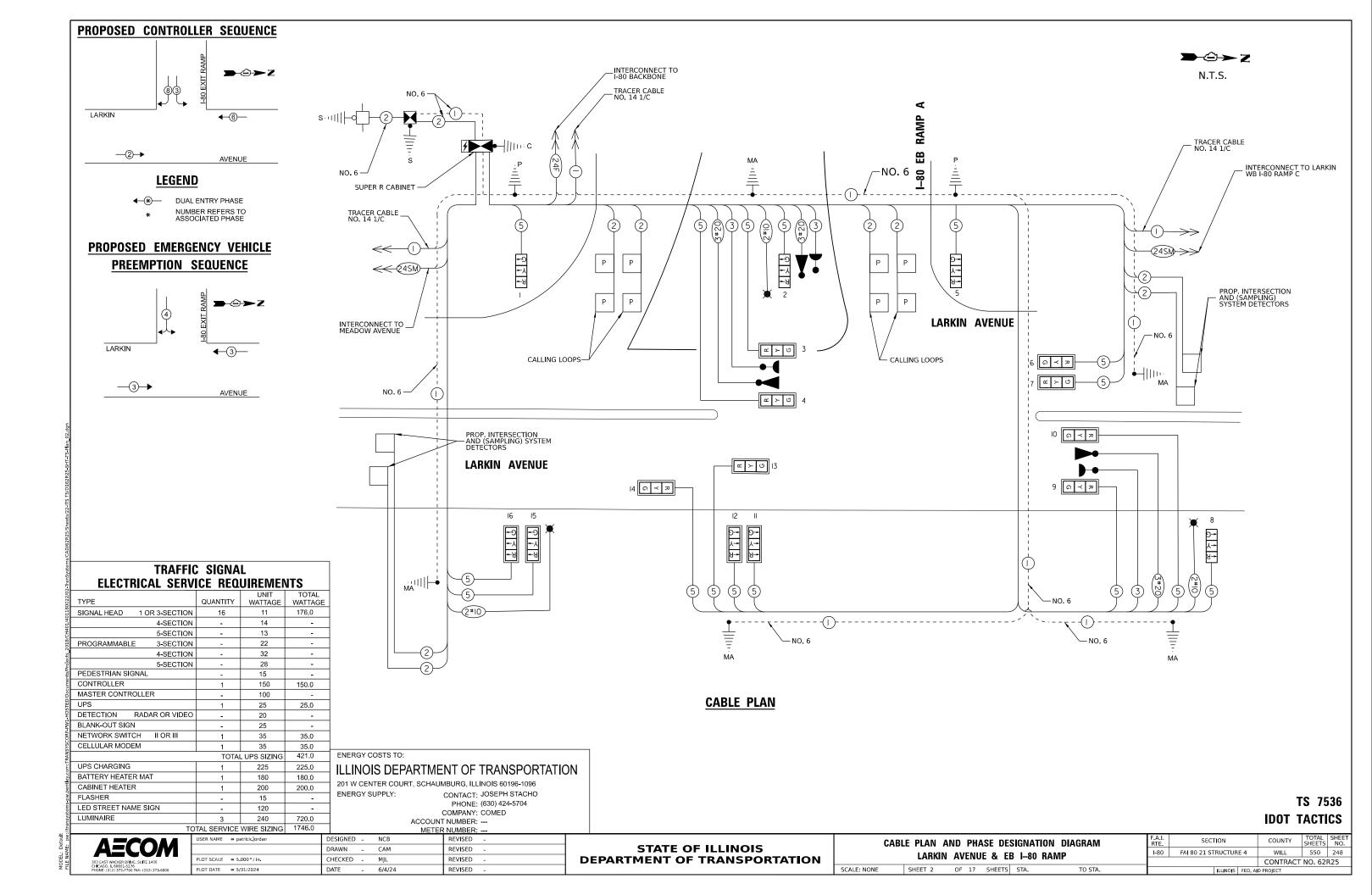
	FHWA SE	RIES "C"			FHWA SEI	RIES "D"	
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACIN (INCH)
Α	0.240	5. 122	0.240	Α	0.240	6.804	0.240
В	0.880	4.482	0.480	В	0.960	5.446	0.400
С	0.720	4.482	0.720	С	0.800	5. 446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4. 962	0.400
F	0.880	4. 082	0. 240	F	0.960	4. 962 5. 446	0.240
G H	0.720 0.880	4. 482	0.720 0.880	G H	0.800 0.960	5. 446	0.800
I	0.880	1. 120	0.880	I	0. 960	1. 280	0. 960
J	0. 240	4. 032	0.880	J	0. 240	5. 122	0. 960
K	0.880	4. 482	0.480	K	0.960	5. 604	0.400
L	0.880	4.032	0. 240	L	0.960	4. 962	0.240
М	0.880	5.284	0.880	М	0.960	6. 244	0.960
N	0.880	4. 482	0.880	N	0.960	5.446	0.960
0	0.720	4.722	0.720	0	0.800	5.684	0.800
Р	0.880	4.482	0.720	Р	0.960	5.446	0.240
Q	0.720	4. 722	0.720	Q	0.800	5. 684	0.800
R	0.880	4. 482	0.480	R	0.960	5.446	0.400
<u>S</u>	0.480	4. 482	0.480	S	0.400	5. 446	0.400
T	0. 240	4. 082	0.240	Т	0.240	4. 962	0.240
V	0.880	4. 482	0.880	U V	0.960	5. 446	0.960
W	0. 240 0. 240	4. 962 6. 084	0.240	W	0. 240 0. 240	6.084 7.124	0.240
X	0. 240	4, 722	0. 240	X	0. 400	5. 446	0.400
Y	0. 240	5. 122	0.240	Y	0. 240	6. 884	0.240
Z	0.480	4.482	0.480	Z	0.400	5. 446	0.400
a	0. 320	3.842	0.640	a	0.400	4. 562	0.720
Ь	0. 720	4. 082	0.480	b	0.800	4.802	0.480
С	0.480	4.002	0.240	С	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
е	0.480	4.082	0.320	е	0.480	4.722	0.320
f	0.320	2.430	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.032	0.640	h	0.800	4. 722	0.720
Ţ.	0. 720	1.120	0.720	i	0.800	1. 280	0.800
j	0.000	2. 320	0.720	j	0.000	2.642	0.800
k I	0.720 0.720	4. 322 1. 120	0.160 0.720	k I	0.800 0.800	5. 122 1. 280	0.160
m	0. 720	6. 724	0.120	m	0.800	7. 926	0.720
n	0. 720	4. 082	0.640	n	0.800	4, 722	0.720
0	0. 480	4.032	0.480	0	0.480	4.882	0.480
Р	0. 720	4. 082	0.480	р	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
S	0.320	3. 362	0.240	S	0.320	3. 762	0.240
Ť	0.080	2.882	0.080	t	0.080	3. 202	0.080
U	0.640	4.032	0.720	u	0.720	4.722	0.800
٧	0.160	4. 722	0.160	٧	0.160	5.684	0.160
W	0.160	7. 524	0.160	W	0.160	9.046	0.160
×	0.000	5. 202	0.000	X	0.000	6. 244	0.000
У 7	0.160	4. 962 3. 362	0.160	У	0.160	6.004	0.160
1 Z	0. 240	1.680	0.240	2 1	0. 240	4. 002 2. 000	0. 240
2	0.720 0.480	4. 482	0.880	2	0.800	2. 000 5. 446	0.960
3	0.480	4. 482	0.480	3	1.440	5. 446	0.800
4	0. 240	4. 962	0.720	4	0.160	6. 004	0.960
5	0.480	4. 482	0.480	5	0.800	5. 446	0.800
6	0. 720	4. 482	0.720	6	0.800	5. 446	0.800
7	0. 240	4. 482	0.720	7	0.560	5.446	0.560
8	0.480	4.432	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0. 720	4.722	0.720	0	0.800	5.684	0.800
	0.240	2.802	0.240	· ·	0.240	2.802	0.240

NODEL: Default F.LE NAME: pw:\\ILO8

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

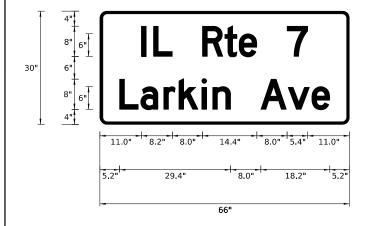
| TOTAL | SHEET | NAME | SIGNS | | SHEET | STAL | TO STAL | SHEET | SH





SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN	AERA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	13,75	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 2	SQ FT	28
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	447
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	138
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	765
HEAVY-DUTY HANDHOLE	EACH	9
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	746
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4,796
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,240
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	186
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	832
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT,	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT. AND 40 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	47
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE I	FOOT	160
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	746
CELLULAR MODEM	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
TERMINATE FIBER IN CABINET	EACH	30
SPLICE FIBER IN CABINET	EACH	6
LAYER III (NETWORK) SWITCH	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 48 PORT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
LED SIGNAL FACE, LENS COVER	EACH	48
PREFORMED DETECTOR LOOP	FOOT	315

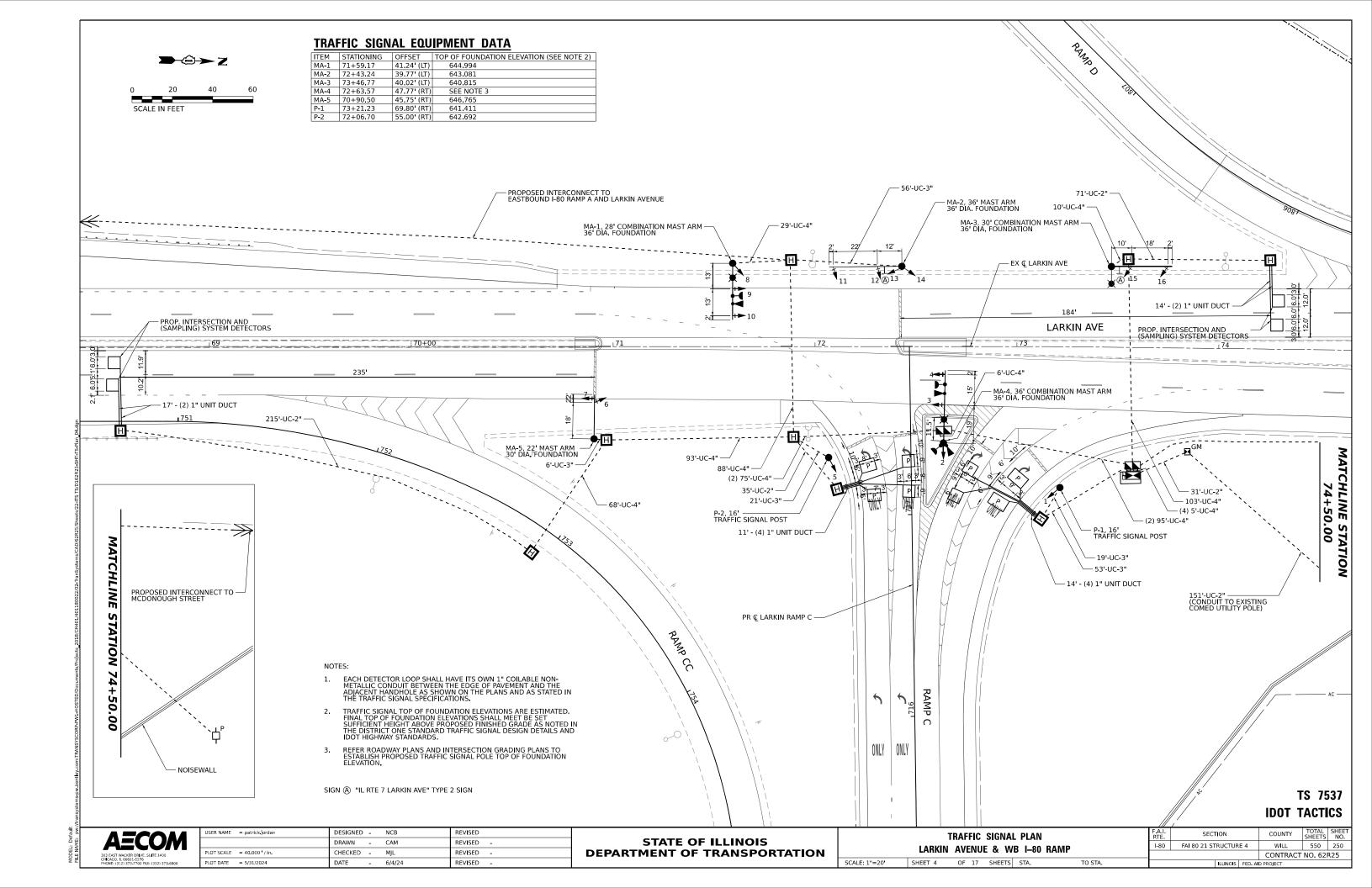
TS 7536 **IDOT TACTICS**

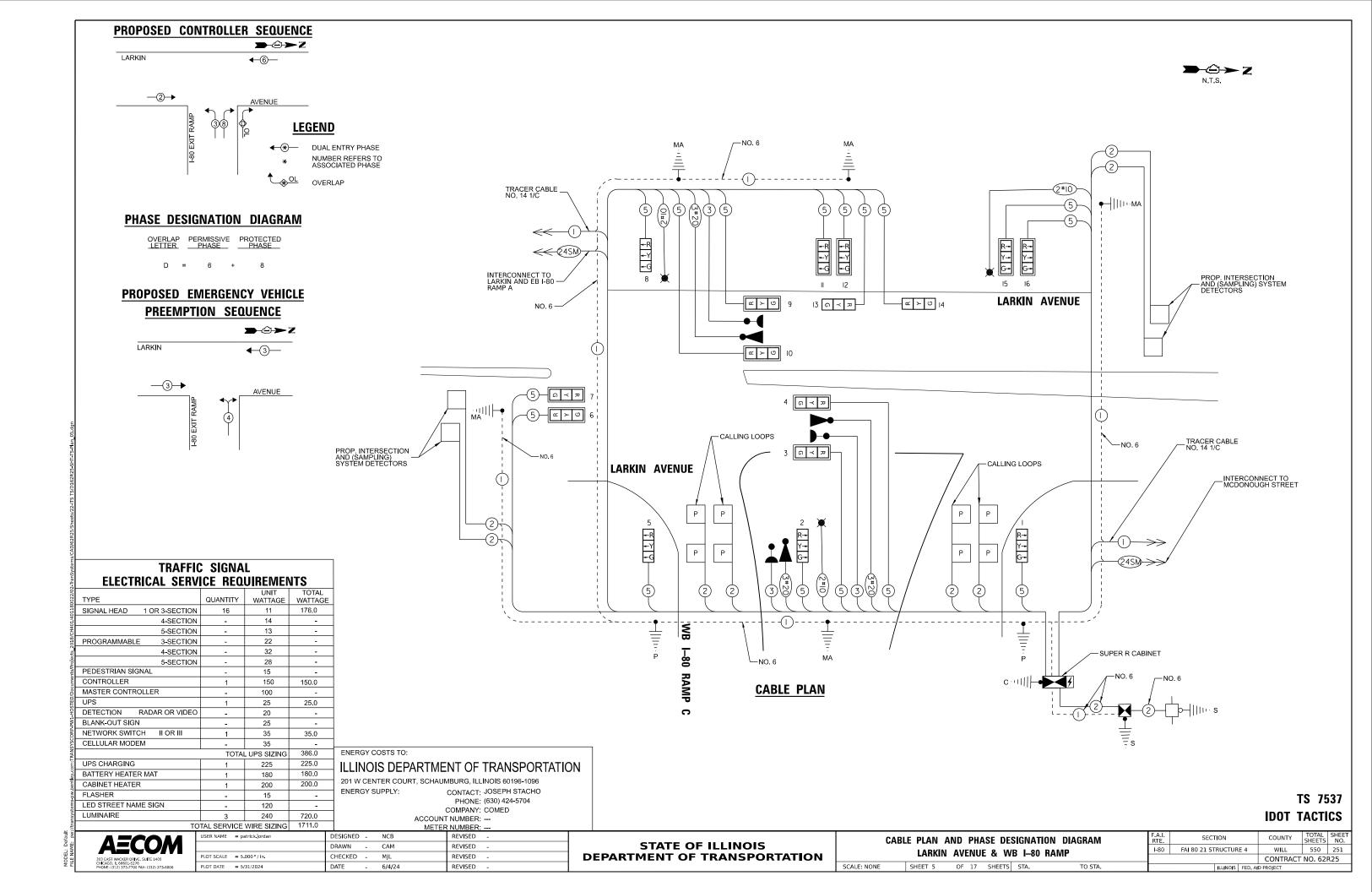
CONTRACT NO. 62R25

COUNTY



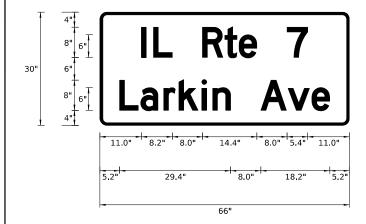
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	DRAWN - CAM	REVISED -
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PLOT DATE = 5/31/2024	DATE - 6/4/24	REVISED -





SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN	AERA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D	13.75	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

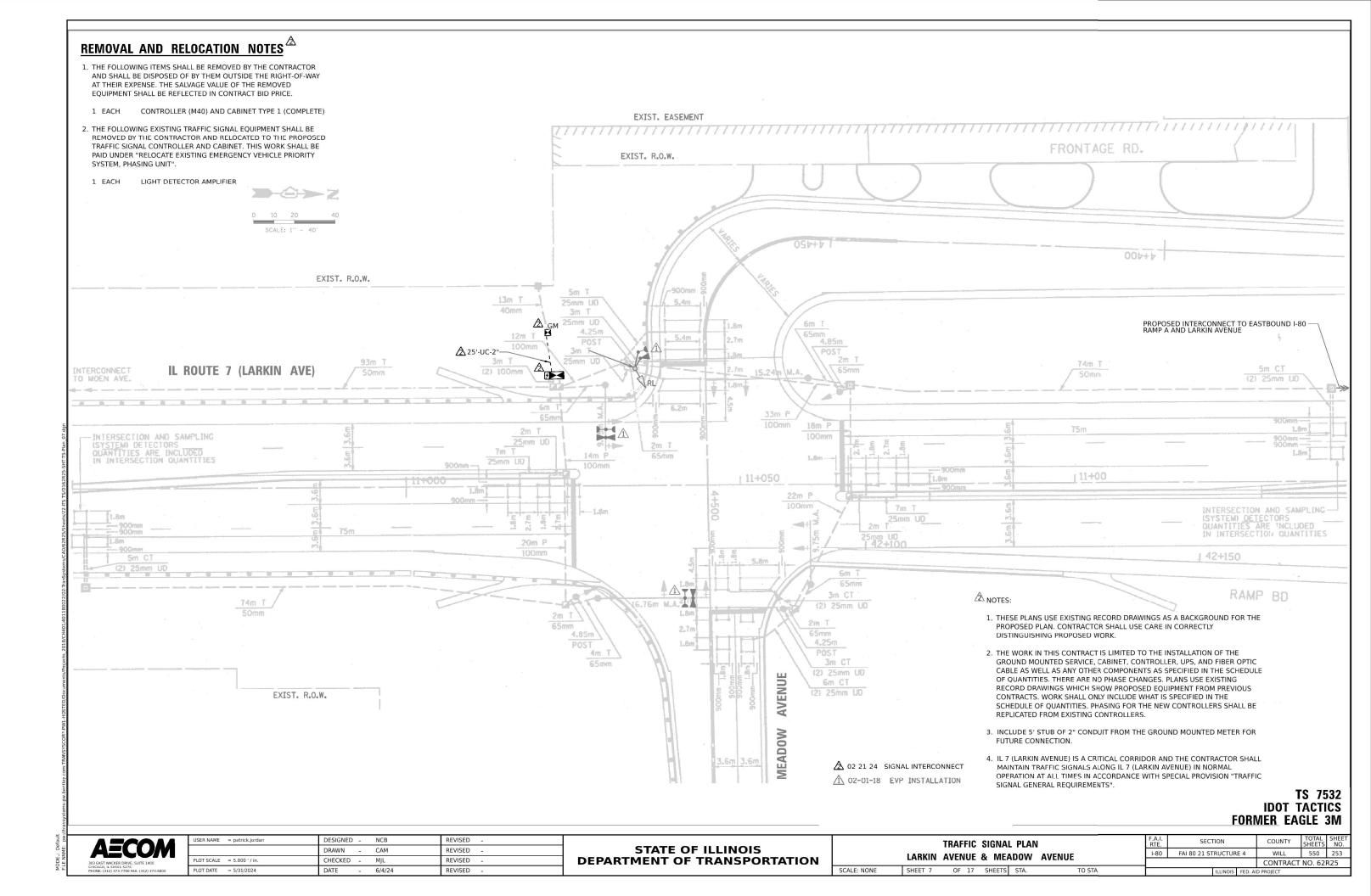
SCHEDULE OF QUANTITIES

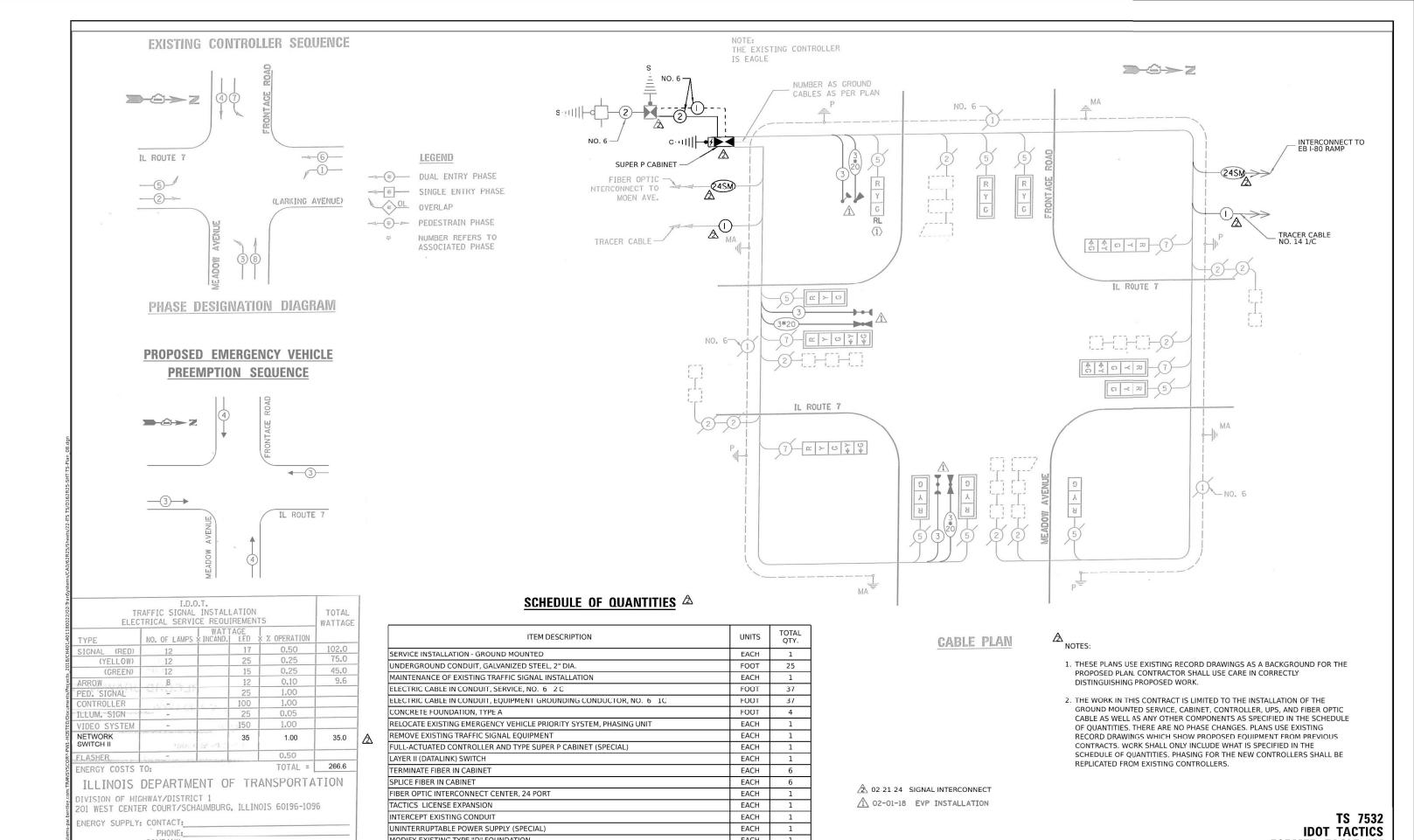
ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 2	SQ FT	28
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	503
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	155
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	757
HEAVY-DUTY HANDHOLE	EACH	9
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	723
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4,693
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,281
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	208
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	834
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	43
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE I	FOOT	161
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	723
FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINATE FIBER IN CABINET	EACH	6
SPLICE FIBER IN CABINET	EACH	6
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
LED SIGNAL FACE, LENS COVER	EACH	48
PREFORMED DETECTOR LOOP	FOOT	344

TS 7537 IDOT TACTICS



USER NAME = patrick.jordan	DESIGNED - NCB	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 5.000 ' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 5/31/2024	DATE - 6/4/24	REVISED -





AECOM

COMPANY:

DESIGNED -SER NAME = patrick.jordar NCB REVISED DRAWN CAM REVISED CHECKED MJL REVISED LOT DATE = 5/31/2024 REVISED 6/4/24

MODIFY EXISTING TYPE "D" FOUNDATION

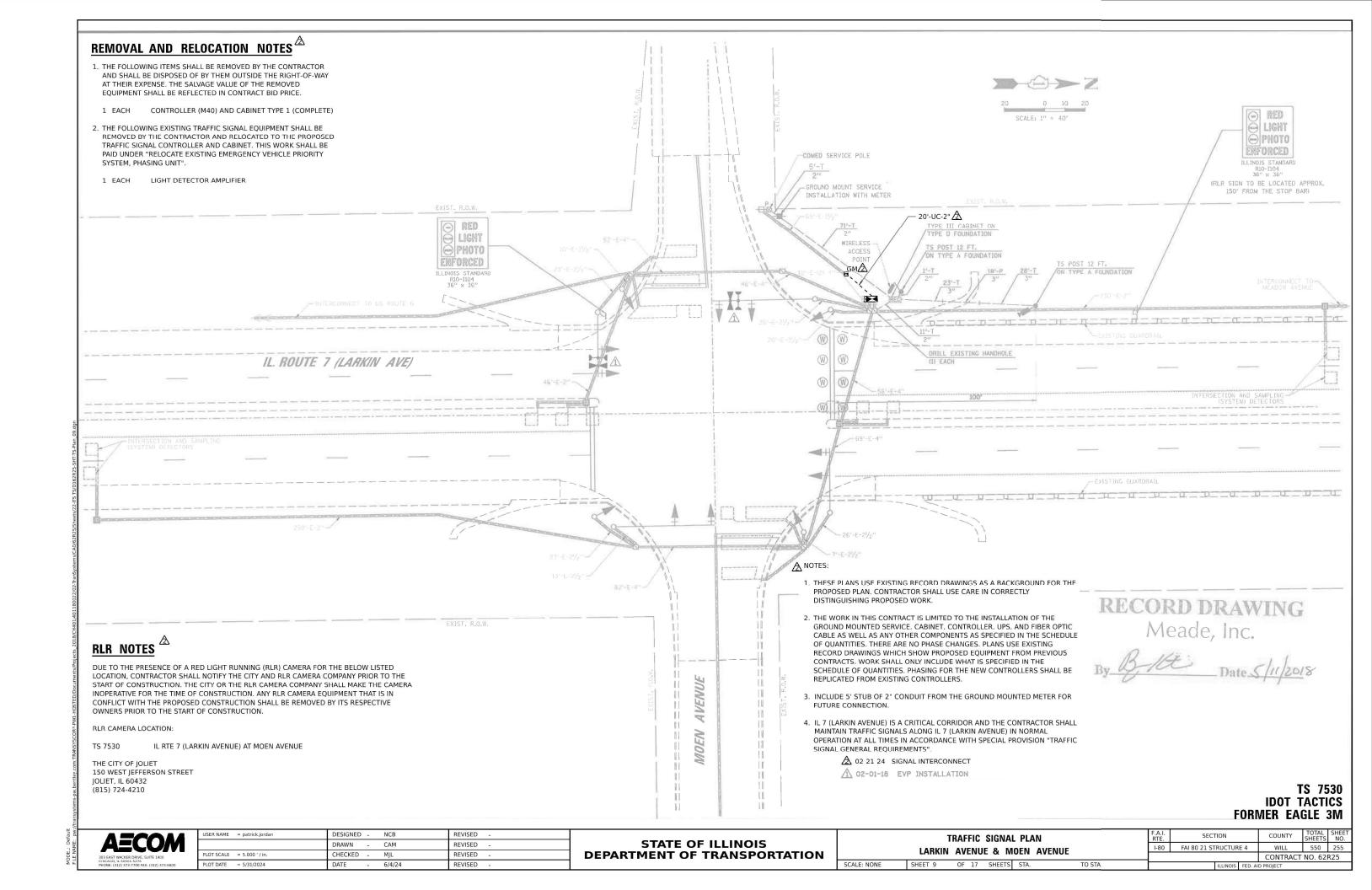
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

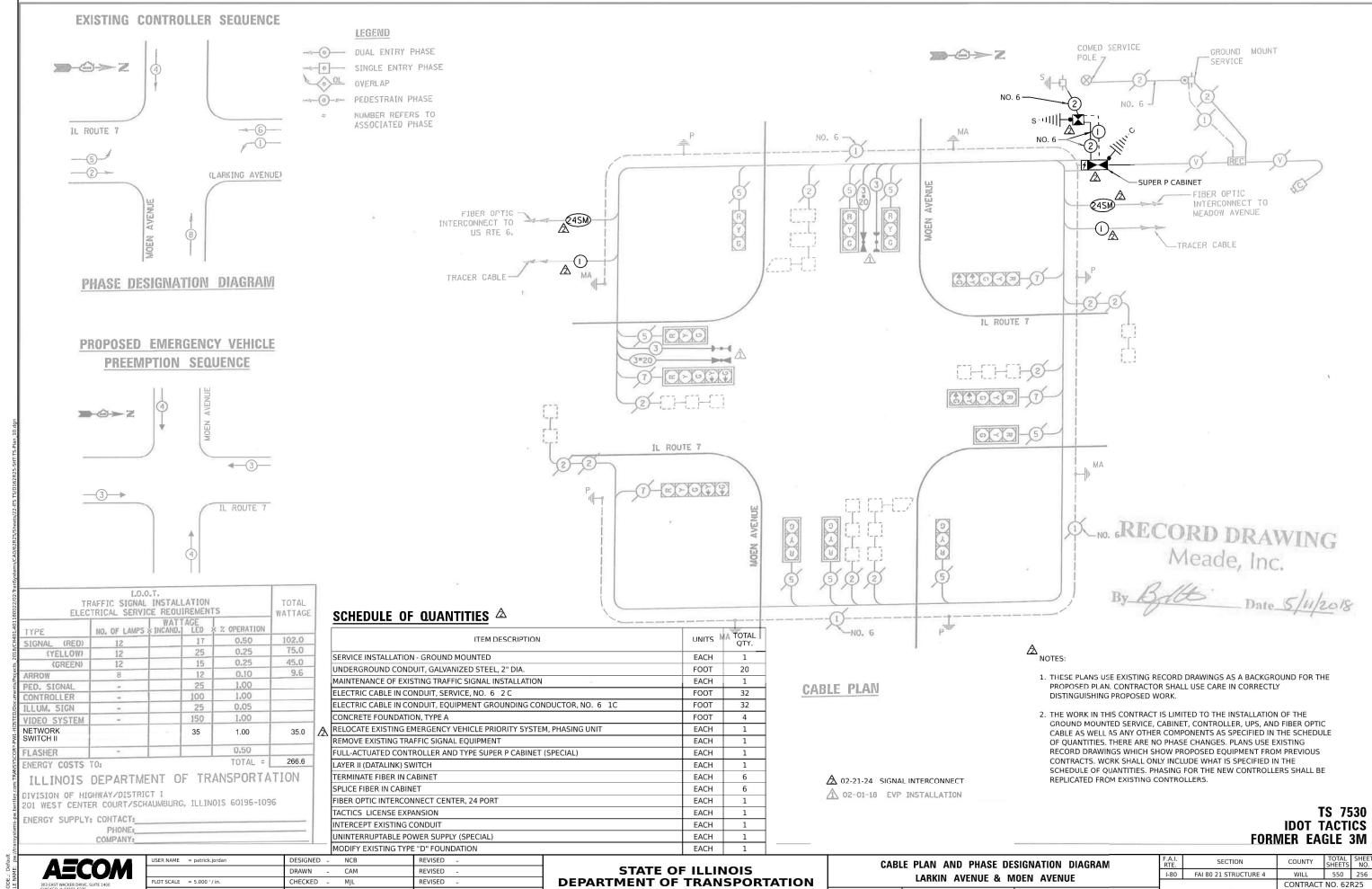
EACH

CABLE PLAN AND PHASE DESIGNATION DIAGRAM LARKIN AVENUE & MEADOW AVENUE SHEET 8 OF 17 SHEETS STA.

I-80 FAI 80 21 STRUCTURE 4 WILL 550 254 CONTRACT NO. 62R25

FORMER EAGLE 3M





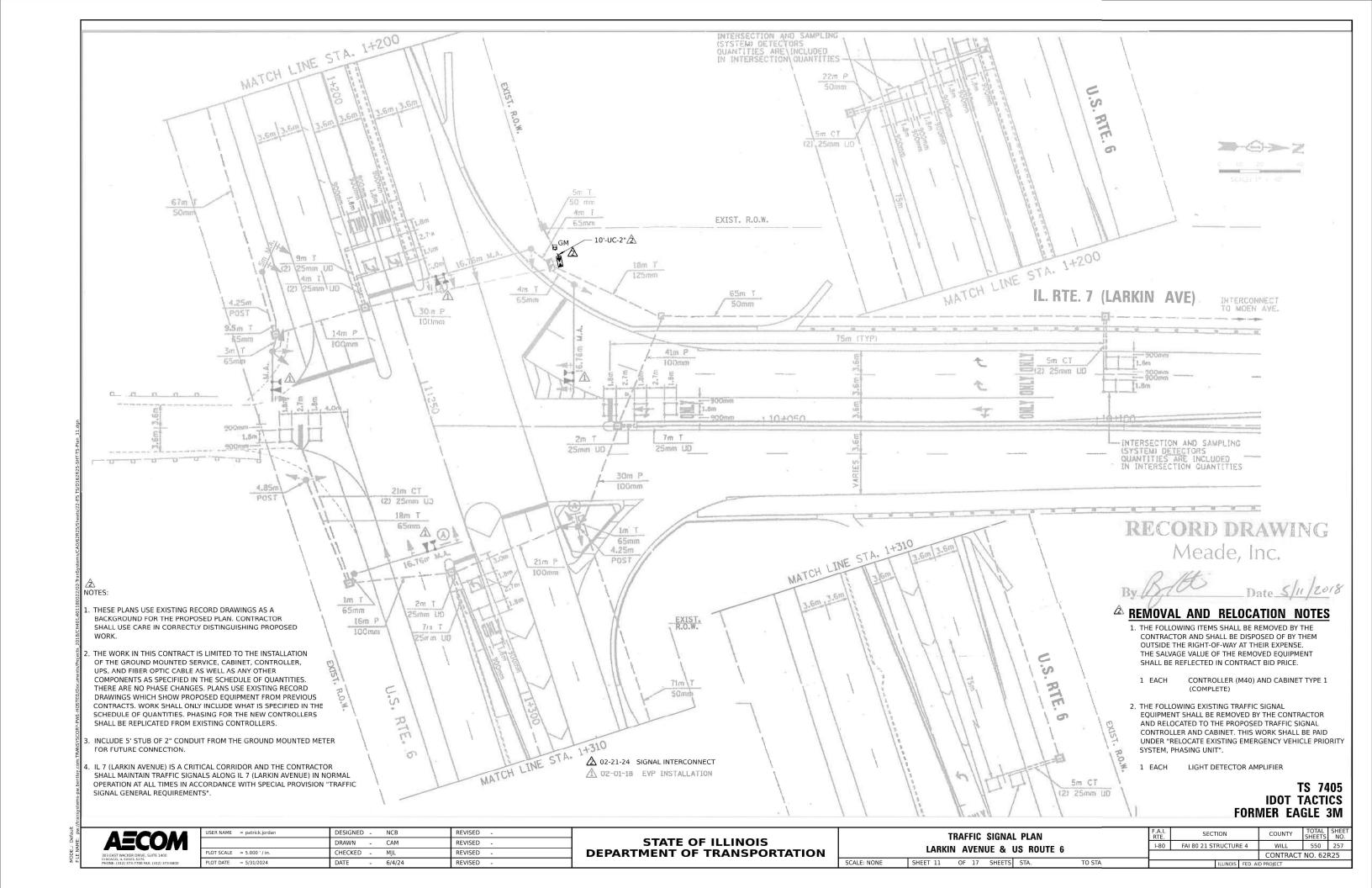
SHEET 10 OF 17 SHEETS STA.

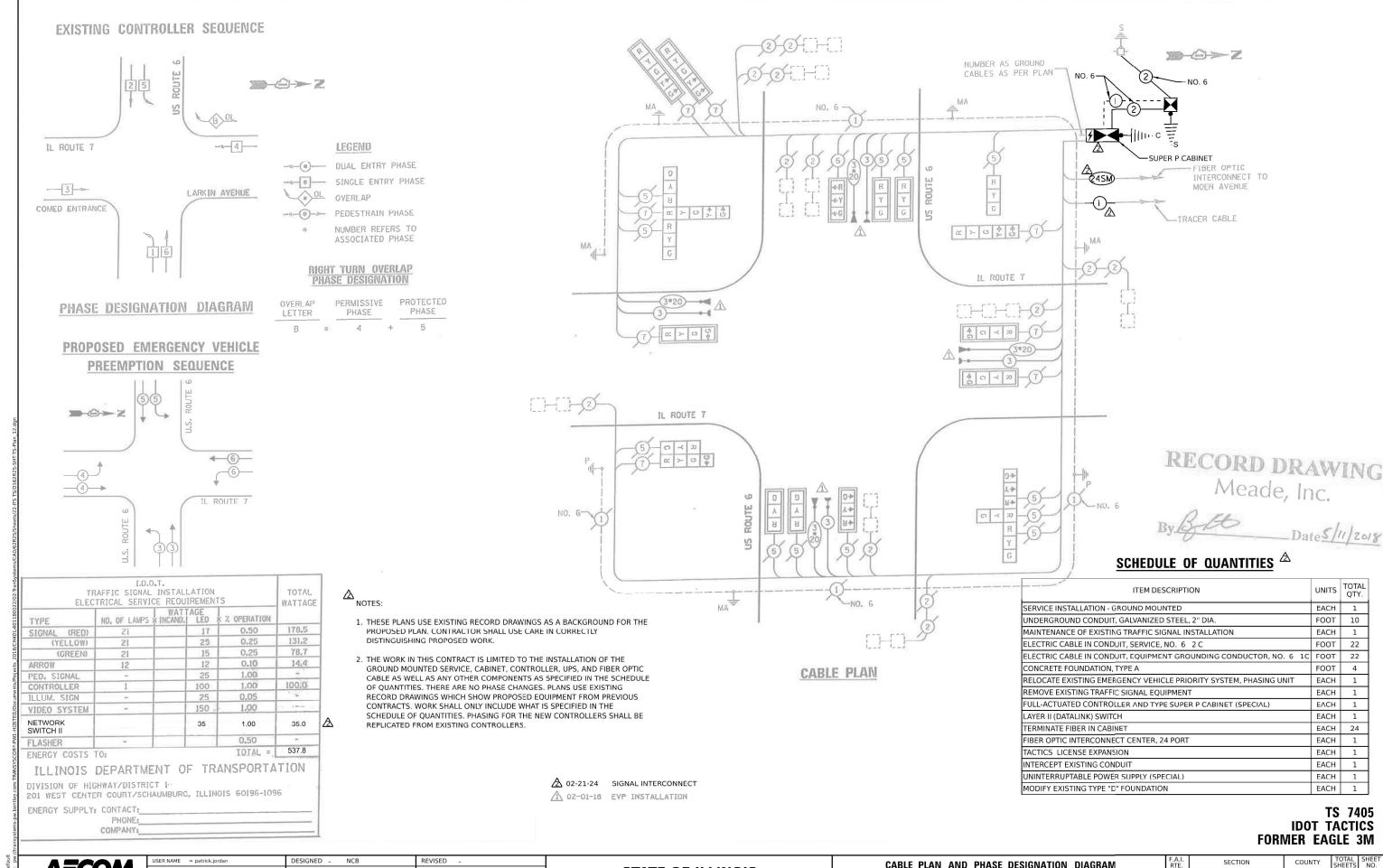
LOT DATE = 5/31/2024

DATE

6/4/24

REVISED





AECON
203 EAST WACKER DAVID. SUITE 1400
CHICACO, IL SOS33 5374.
PHONE: (312) 373-7700 FAX: (312) 373-6800

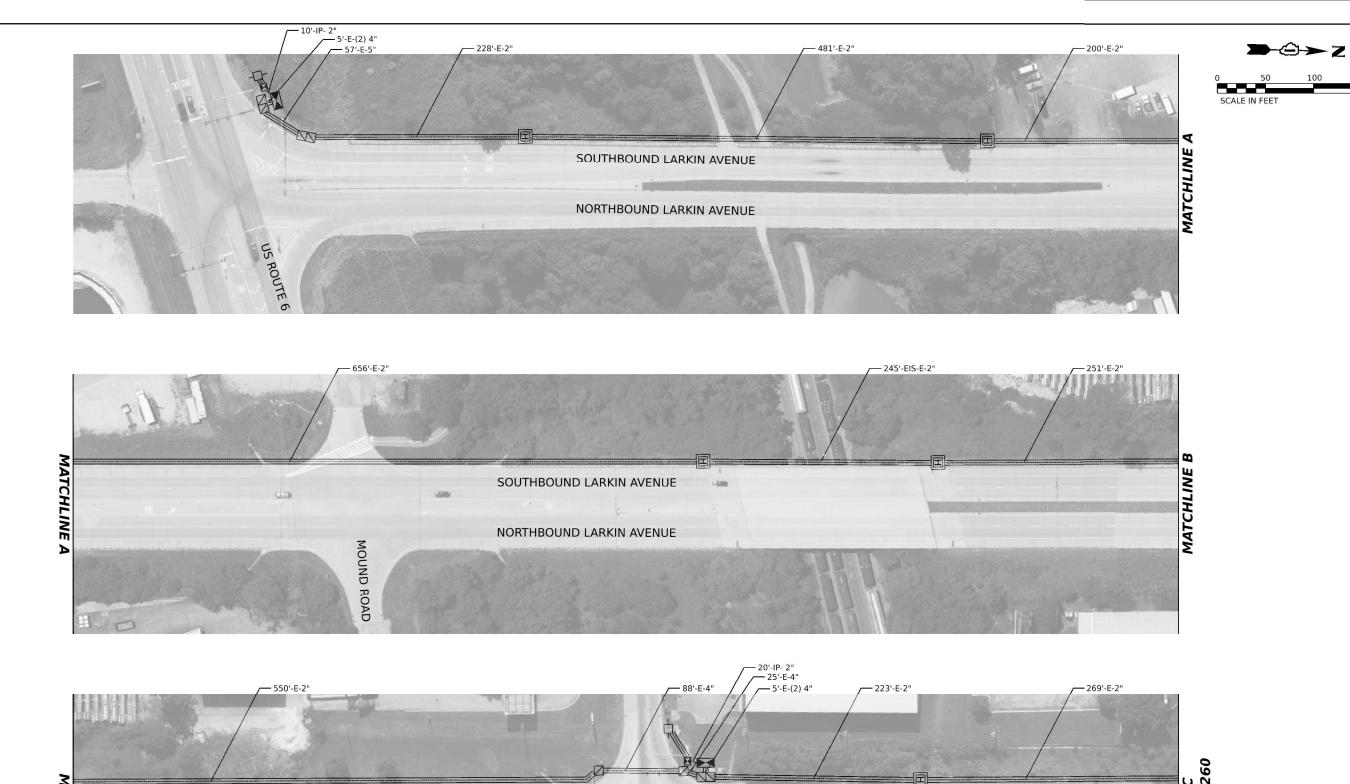
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

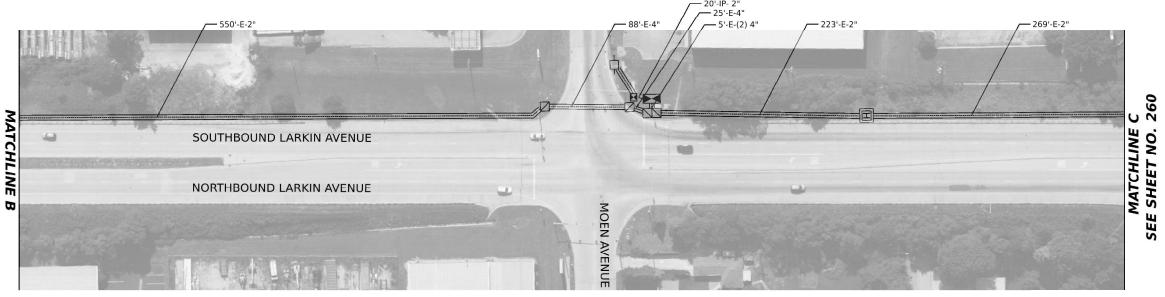
SCALE: NONE

 CABLE PLAN AND PHASE DESIGNATION DIAGRAM
 F.A.I. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS NO.

 LARKIN AVENUE & US ROUTE 6
 I-80 FAI 80 21 STRUCTURE 4
 WILL S50 Z58

 SHEET 12 OF 17 SHEETS STA. TO STA.
 TO STA. ILLINOIS RED AND PROJECT





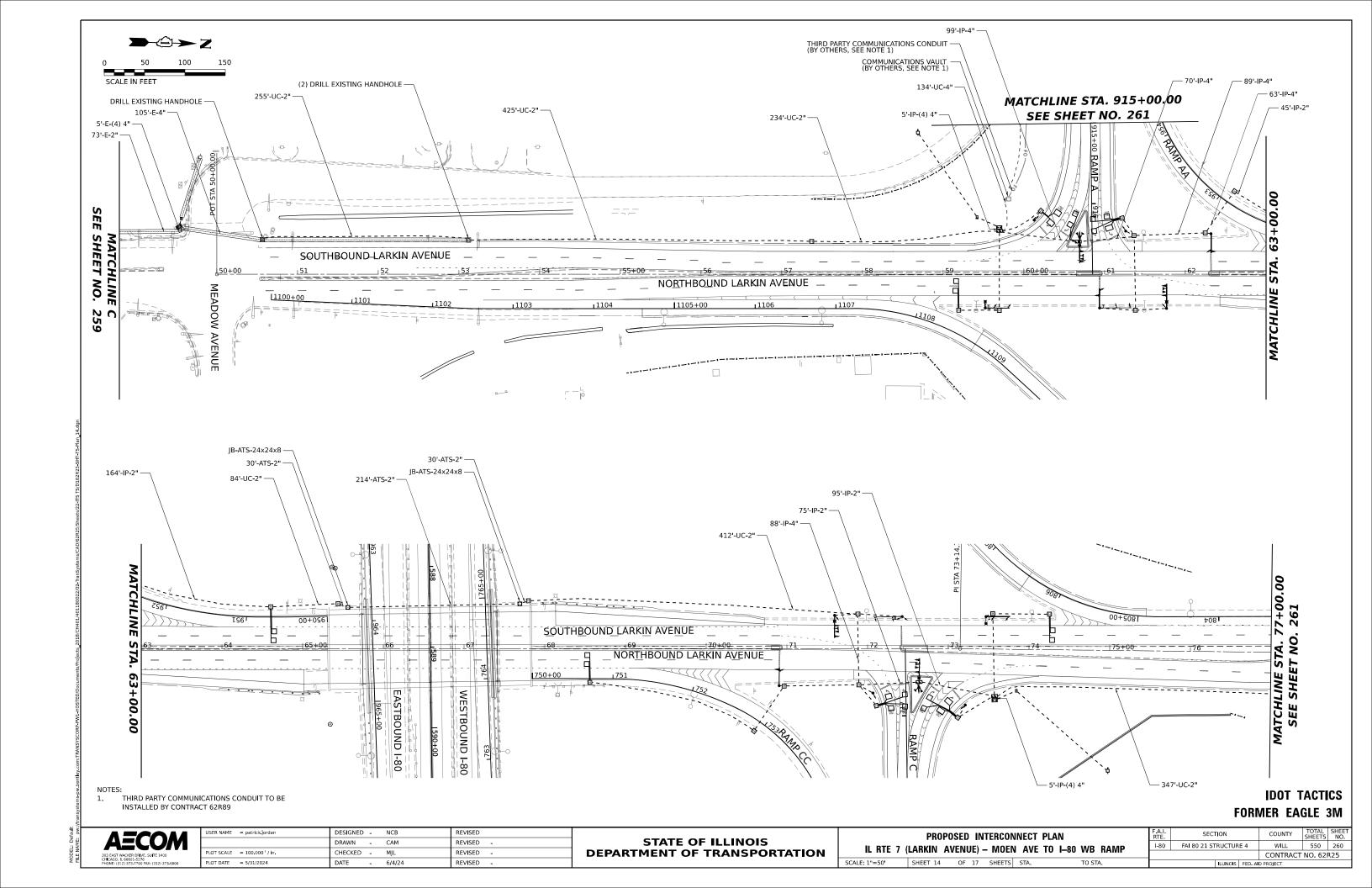
IDOT TACTICS FORMER EAGLE 3M

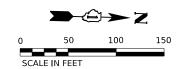


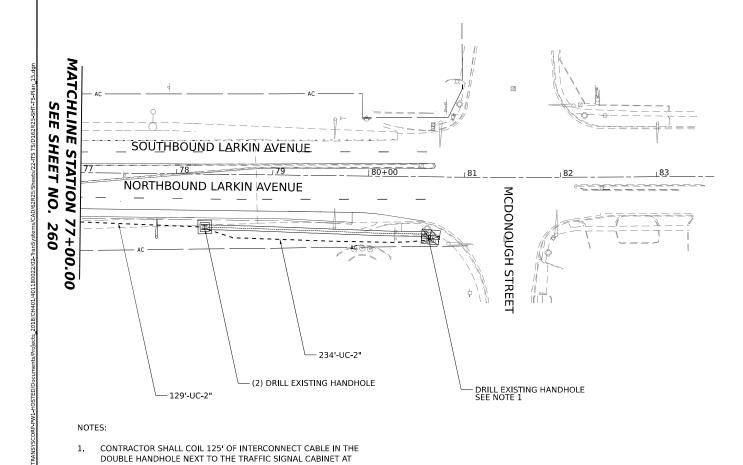
USER NAME = patrick.jordan	DESIGNED - NCB	REVISED
	DRAWN - CAM	REVISED -
PLOT SCALE = 100.000 ' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 5/31/2024	DATE - 6/4/24	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

	PROPO	SED INTERCO	NNECT PLAN	
IL RTE	7 (LARKIN	AVENUE) - U	S RTE 6 TO MOEN AVE	
E: 1"=50'	SHEET 13	OF 17 SHEETS	STA. TO STA	







IDOT COMMUNICATIONS VAULT (BY OTHERS, 62R89, SEE NOTE 2) THIRD PARTY COMMUNICATION CONDUIT (BY OTHERS, SEE NOTE 3) 468'-UC-4" 347'-UC-4" MATCHLINE STATION 915+00.00

IDOT TACTICS FORMER EAGLE 3M



MCDONOUGH STREET INTERSECTION.

COMMUNICATIONS VAULT.

CONTRACTOR SHALL COIL 100' OF INTERCONNECT CABLE IN THE IDOT

THIRD PARTY COMMUNICATIONS CONDUIT ALONG LARKIN AVENUE RAMP A TO BE INSTALLED BY CONTRACT 62R89.

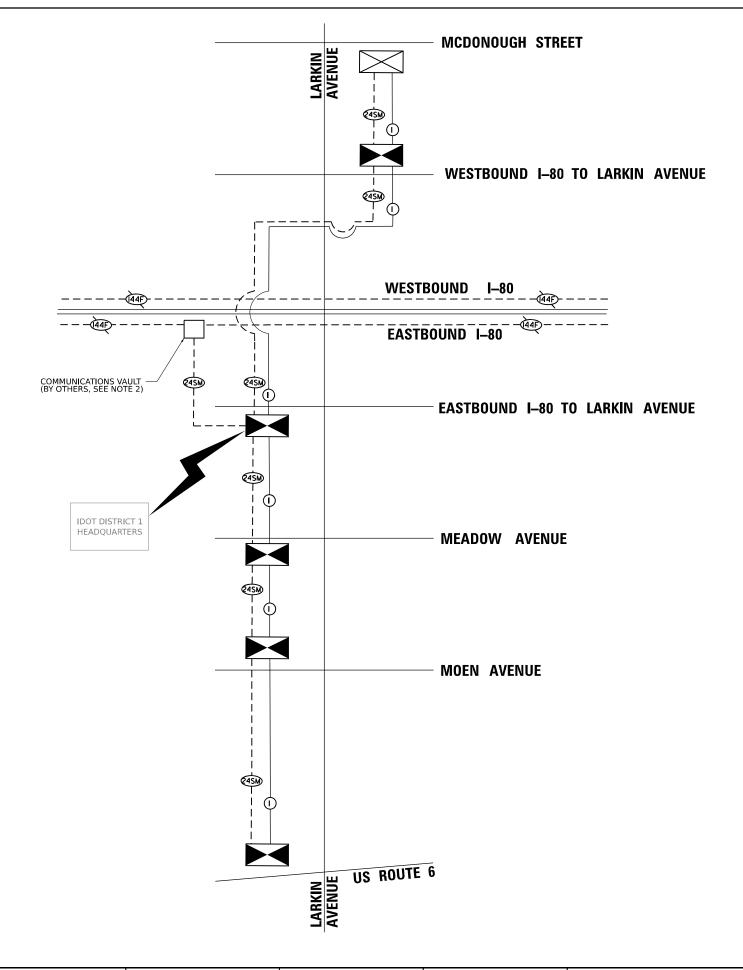
USER NAME = patrick jordan	DESIGNED -	-	NCB	REVISED	
	DRAWN -		CAM	REVISED	-
PLOT SCALE = 100.000 / in.	CHECKED -		MJL	REVISED	-
PLOT DATE = 5/31/2024	DATE -	-	6/4/24	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SEE SHEET NO. 260

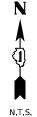
	PRO	OPOSED	INTE	RCON	NECT P	LAN		
IL RTE 7 (LAI	RKIN A	VENUE)	– I–80) WB	RAMP	T0	MCDONOUGH	ST
ALE: 1"=50'	SHEET 15	OF	17 SI	HEETS	STA.		TO STA.	

RTE.	SECT	TION		COUNTY	SHEETS	NO.
I-80	FAI 80 21 ST	RUCTUR	E 4	WILL	550	261
				CONTRACT	NO. 621	R25
		ILLINOIS	FED. Al	D PROJECT		



NOTE:

- CONTRACTOR SHALL COIL 125' OF INTERCONNECT CABLE IN THE DOUBLE HANDHOLE NEXT TO THE TRAFFIC SIGNAL CABINET AT MCDONOUGH STREET INTERSECTION.
- 2. IDOT COMMUNICATIONS VAULT ALONG LARKIN AVENUE RAMP A TO BE INSTALLED BY OTHERS (CONTRACT 62R89). CONTRACTOR SHALL COIL 100' OF INTERCONNECT CABLE IN THE IDOT COMMUNICATIONS VAULT.



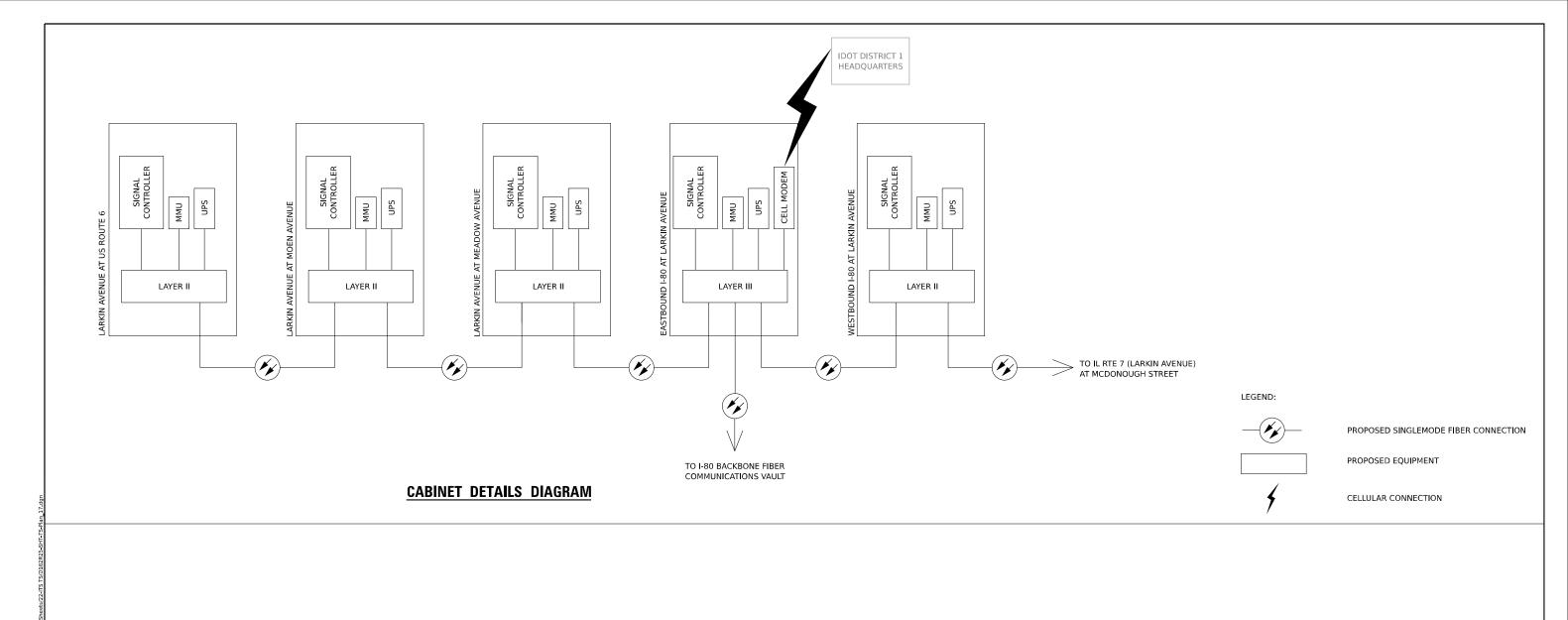
SCHEDULE OF QUANTITIES

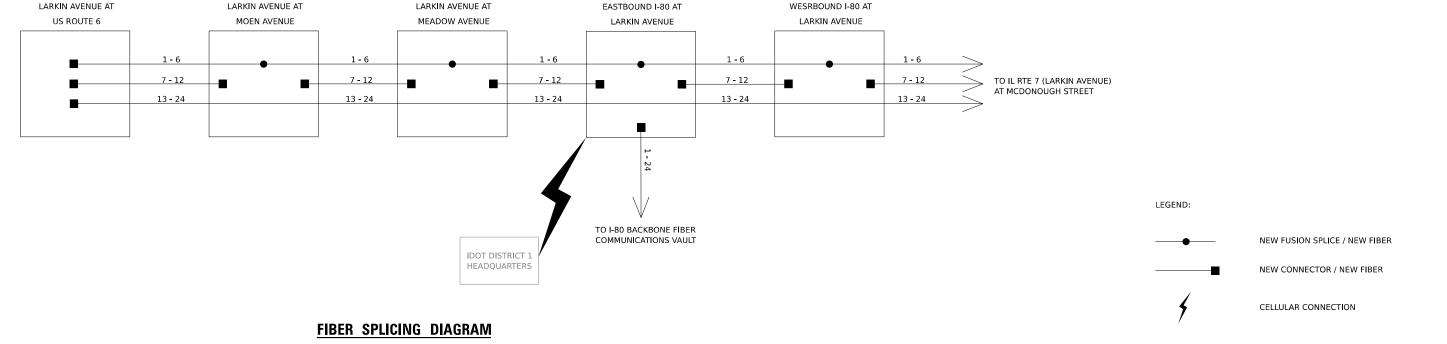
ITEM DESCRIPTION	UNITS	TOTAL QTY,
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2,120
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	949
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	274
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH	2
HANDHOLE	EACH	1
HEAVY-DUTY HANDHOLE	EACH	3
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	9,717
DRILL EXISTING HANDHOLE	EACH	6
ROD AND CLEAN EXISTING CONDUIT	FOOT	3,466
REMOVE EXISTING CABLE	FOOT	3,466
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	10,307
REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	3,471
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

IDOT TACTICS FORMER EAGLE 3M



USER NAME = patrick.jordan	DESIGNED .	-	NCB	REVISED -	
	DRAWN -	-	CAM	REVISED -	
PLOT SCALE = 5.000 / in.	CHECKED -	-	MJL	REVISED -	
PLOT DATE = 5/31/2024	DATE -	-	6/4/24	REVISED -	





STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

SECTION

FAI 80 21 STRUCTURE 4

I-80

FIBER SPLICING DIAGRAM AND CABINET DETAILS

IL RTE 7 (LARKIN AVENUE) - MCDONOUGH ST TO US RTE 6

SHEET 17 OF 17 SHEETS STA.

COUNTY

WILL

550 263

CONTRACT NO. 62R25

SER NAME = patrick jordan

PLOT DATE = 5/31/2024

DESIGNED - NCB

CAM

MJL

6/4/24

DRAWN

DATE

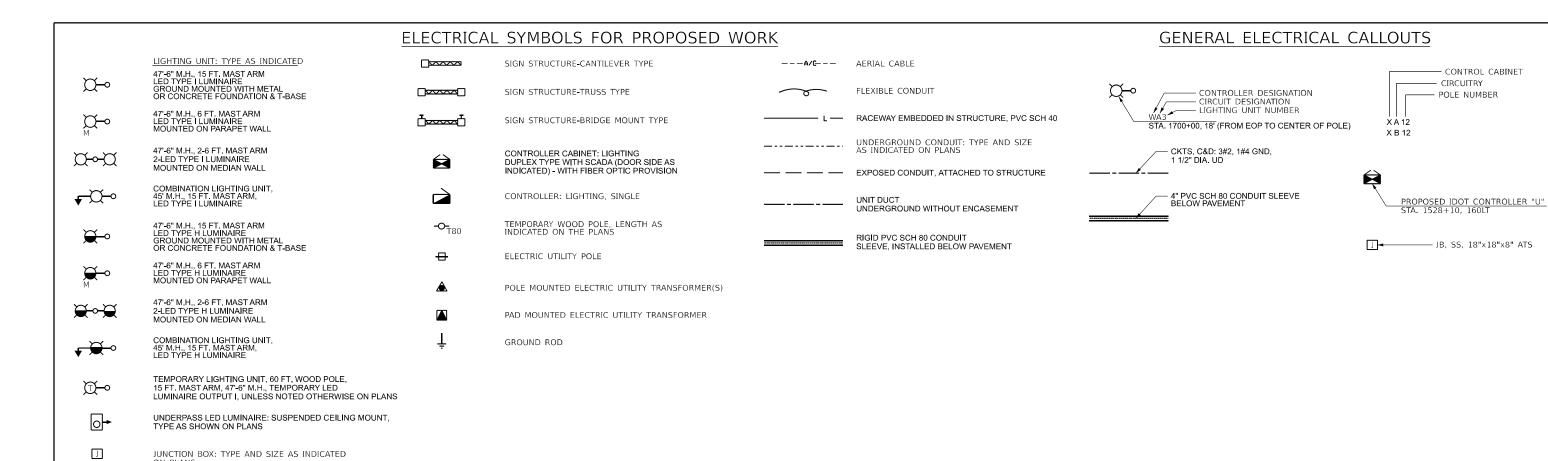
CHECKED -

REVISED

REVISED

REVISED

REVISED



						\bigcirc_{OR}^{R}	EXISTING OTHER LIGHT POLE AND MAST ARM TO BE REMOVED
		ELECTRICAL	SYMBOLS FOR EXISTING COND	<u>ITIONS</u>		○ ® O	
		©	EXISTING CITY OF JOLIET ELECTRIC HANDHOLE/MANHOLE	——-Е—	EXISTING CONCEALED CONDUIT IN STRUCTURE	OR ↓	EXISTING UNDERPASS LUMINAIRE TO BE REMOVED
E	EXISTING HIGH MAST LIGHT TOWER UNIT TO REMAIN, ARROWS INDICATE QUANTITY AND ORIENTATION OF LUMINAIRES	□ ×××× E	EXISTING LIGHTED SIGN STRUCTURE- CANTILEVER TYPE	E	EXISTING EXPOSED CONDUIT, ATTACHED TO STRUCTURE	\square_{R}	EXISTING JUNCTION BOX TO BE REMOVED
E-0-E	EXISTING IDOT LIGHTING UNIT, TWIN LUMINAIRE TO REMAIN		EXISTING LIGHTED SIGN STRUCTURE-TRUSS TYPE	——— E -	EXISTING UNIT DUCT WITHOUT ENCASEMENT	R	EXISTING SIGN STRUCTURE-CANTILEVER TYPE TO BE REMOVED
o—Œ	EXISTING IDOT LIGHTING UNIT TO REMAIN	E E	EXISTING LIGHTED SIGN STRUCTURE- BRIDGE MOUNT TYPE	[]	EXISTING CONCEALED CONDUIT UNDERGROUND, TRENCHED OR PUSHED	$\bigotimes_{\mathbb{R}}$	EXISTING LIGHTING CONTROLLER, DUPLEX, TO BE REMOVED
⊸	EXISTING CITY OF JOLIET LIGHTING UNIT TO REMAIN	€ _E	EXISTING LIGHTING CONTROLLER, DUPLEX		EXISTING ELECTRIC CABLE IN CONDUIT SLEEVE	₽R	
○ E	EXISTING UNDERPASS LUMINAIRE TO REMAIN	⊕_	EXISTING ELECTRIC UTILITY POLE	A/C-E	EXISTING AERIAL CABLE TO REMAIN	∆ _R	EXISTING POLE MOUNTED UTILITY SERVICE CONNECTION TO BE REMOVED
H _E	EXISTING ELECTRIC HANDHOLE	-O-E	EXISTING WOOD POLE	/ / -	EXISTING ELECTRICAL EQUIPMENT TO BE ABANDONED	R	EXISTING HIGH MAST LIGHT TOWER UNIT TO BE REMOVED, 120 FT. 400W HPS LUMINAIRES, ARROWS INDICATE QUANTITY AND ORIENTATION OF LUMINAIRES (LUMINAIRES TO BE SALVAGED TO IDOT)
HHE	EXISTING DOUBLE HANDHOLE	Δ _E	EXISTING UTILITY SERVICE CONNECTION, POLE MOUNTED			-0-	EXISTING WOOD POLE TO BE REMOVED
J _E	EXISTING JUNCTION BOX	□ _E	EXISTING UTILITY SERVICE CONNECTION,			- R	

AECOM
303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276

Р

PULL BOX: TYPE AND SIZE AS INDICATED

ON PLANS

USER NAME = myersc	DESIGNED - TJL	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 0.03333509 ' / in.	CHECKED - MAE	REVISED -
PLOT DATE = 5/30/2024	DATE - 6/4/24	REVISED -

 \mathbb{E}^{0}

EXISTING TEMPORARY LIGHTING UNIT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.

							F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	IDO	I EL	ECI	RICAL S	SYMBOL	S	I-80	FAI 80 21 STRUCTURE 4	WILL	550	264
									CONTRACT	NO.62F	25
SHEET	1	OF	37	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		

TYPICAL EXISTING TO BE REMOVED SYMBOLS

(LUMINAIRES TO BE SALVAGED TO IDOT)

R--B

EXISTING IDOT LIGHT POLE AND MAST ARM TO BE REMOVED

I-80 LARKIN AVENUE CONTRACT 62R25 LIGHTING BILL OF MATERIALS AND QUANTITIES

DESCRIPTION	UNIT	IDOT TOTAL QUANTITY LIGHTING
IDOT ELECTRIAL PAY ITEMS		
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	650
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	735
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	1
UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	9955
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1850
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	945
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	2580
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	6570
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	6
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I	EACH	44
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 6 FT. MAST ARM	EACH	2
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	42
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	273
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	39
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	14
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	64
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	2
REMOVAL OF POLE FOUNDATION	EACH	62
ROD AND CLEAN EXISTING CONDUIT	FOOT	245
REMOVE EXISTING CABLE	FOOT	725
TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	14
COMBINATION LIGHTING CONTROLLER	EACH	2
REMOVE TEMPORARY WOOD POLE	EACH	10
TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	10
TEMPORARY WOOD POLE, 60 FT., CLASS 4, 15 FT. MAST ARM	EACH	14
DISCONNECT SIGN LIGHTING AND REMOVE WIRING TO NEAREST SPLICE	EACH	2
REMOVE AERIAL CABLE	FOOT	210
UMINAIRE SAFETY CABLE ASSEMBLY	EACH	50
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	11

AC AC AC AC AC AERIAL CABLE AFG ABOVE FINISHED GRADE CB CIRCUIT BREAKER CKT CIRCUIT CM CENTIMETER CNC COILABLE NONMETALLIC CONDUIT CT CURRENT TRANSFORMER CP CONTROL PANEL DA DAVIT ARM DC DISTRIBUTION PANEL E EXISTING UNIT TO REMAIN ECA ELECTRIC CABLE ASSEMBLY EM EXISTING UNIT TO REMAIN ECA ELECTRIC CABLE ASSEMBLY EM EXISTING TEMPORARY UNIT TO REMAIN ETT ETT FIT FOONDATION BARRIER WALL FOUNDATION BARRIER WALL FUNDATION CONCRETE FOUNDATION CONCRETE FOUNDATION PARAPET WALL FUSE GFCI GROUND HID HIGH INTENSITY DISCHARGE JB JUNCTION BOX KVA KILOVOLT-AMPERE KW KILOWATTS M M METER MA MAST ARM MM MILLIMETER DP POPOSED PROCOR RIC RIC RIC RIC RIC RIC RIC RIC RIC RI	ABBREVIATIONS					
A/C AFG AFG ABOVE FINISHED GRADE CB CIRCUIT BREAKER CKT CIRCUIT CM CENTIMETER CNC COLABLE NONMETALLIC CONDUIT CT CURRENT TRANSFORMER CP CONTROL PANEL DA DAVIT ARM DC DIRECT CURRENT DIA DIAMETER DP DISTRIBUTION PANEL E EXISTING UNIT TO REMAIN ECA ELECTRIC CABLE ASSEMBLY EM MODIFIED (e.g., NEW LUMINAIRE, BALLAST OR MAST ARM) ETT FI FET FOUNDATION BARRIER WALL FND BW FND BW FOUNDATION BARRIER WALL FND BW FND CON F	SYMBOL	DESCRIPTION				
AFG CB CB CIRCUIT BREAKER COLLABLE NONMETALLIC CONDUIT CT CURRENT TRANSFORMER CONTROL PANEL DAWIT ARM DC DIRECT CURRENT DIA DIAMETER DP DISTRIBUTION PANEL EXISTING UNIT TO BEMAIN ECA ELECTRIC CABLE ASSEMBLY EM EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM) EXISTING TEMPORARY UNIT TO REMAIN ETR EXISTING TEMPORARY RELOCATED UNIT FOUNDATION BARRIER WALL FOUNDATION BARRIER WALL FOUNDATION BARRIER WALL FOUNDATION BARRIER WALL FOUNDATION CONCRETE FOUNDATION CONCRETE FOUNDATION PARAPET WALL FUSE GFCI GROUND HID HIGH INTENSITY DISCHARGE JB JUNCTION BOX KVA KILOWATTS M METER MA MAST ARM MILLIMETER MH MOUNTING HEIGHT NO. # NUMBER P PROPOSED PB PUSH BUTTON PANEL PVCC RGC PVC COATED RIGID GALVANIZED CONDUIT PT POTENTIAL TRANSFORMER R EXISTING UNIT TO BE REMOVED AND RELOCATED RECP RECEPTACLE RGC RIGID GALVANIZED CONDUIT RGS RIGID GALVANIZED CONDUIT RGS RARE SPACE SPACE	AC	ALTERNATING CURRENT				
CB CKT CIRCUIT CM CENTIMETER CNC COLABLE NONMETALLIC CONDUIT CT CURRENT TRANSFORMER CP CONTROL PANEL DA DAVIT ARM DC DIRECT CURRENT DIA DIAMETER DP DISTRIBUTION PANEL E EXISTING UNIT TO REMAIN ECA ELECTRIC CABLE ASSEMBLY EM EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM) ER EXISTING TEMPORARY UNIT TO REMAIN ETT ET ESISTING TEMPORARY UNIT TO REMAIN EXISTING TEMPORARY RELOCATED UNIT FT FEET OR FOOT FOUNDATION BARRIER WALL FU FND BW FND BW FOUNDATION CONCRETE FOUNDATION CONCRETE FOUNDATION METAL FU GFCI GROUND HID HIGH INTENSITY DISCHARGE JB JUNCTION BOX KVA KILOVOLT-AMPERE KW KILOWATTS M METER MA MAST ARM MM MILLIMETER MH MOUNTING HEIGHT NO. # P PROPOSED PB PUSH BUTTON PANEL PVCC RGC PVC COATED RIGID GALVANIZED CONDUIT RGS RACE SPACE SPACE						
CKT CM CENTIMETER CNC COLABLE NONMETALLIC CONDUIT CT CURRENT TRANSFORMER CP CONTROL PANEL DA DAVIT ARM DC DIRECT CURRENT DIA DIA DIAMETER DP DISTRIBUTION PANEL E EXISTING UNIT TO REMAIN ECA ELECTRIC CABLE ASSEMBLY EM EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM) ER EXISTING TEMPORARY UNIT TO REMAIN ETR EXISTING TEMPORARY UNIT TO REMAIN ETR EXISTING TEMPORARY UNIT TO REMAIN EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.) RL RELOCATED RC EXISTING UNIT TO BE REMOVED AND RELOCATED (REINSTALLED) RECP RECEPTACLE SEL SW SELECTOR SWITCH SPARE SPACE						
CNC CT CURRENT TRANSFORMER CP CONTROL PANEL DA DAVIT ARM DC DIRECT CURRENT DIA DIAMETER DP DISTRIBUTION PANEL E EXISTING UNIT TO REMAIN ECA ELECTRIC CABLE ASSEMBLY EM EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM) EXISTING TEMPORARY UNIT TO REMAIN ET EXISTING TEMPORARY UNIT TO REMAIN ETR EXISTING TEMPORARY UNIT TO REMAIN ETR EXISTING TEMPORARY RELOCATED UNIT FT FOLINDATION BARRIER WALL FND BW FOUNDATION BARRIER WALL FND BW FOUNDATION CONCRETE FND CON OS FUNDATION CONCRETE FND CON OS FOUNDATION CONCRETE FOUNDATION METAL FU FU GGCI GROUND FAULT CIRCUIT INTERRUPTER GND GROUND HID HIGH INTENSITY DISCHARGE JB JUNCTION BOX KVA KILOVALT-AMPERE KW KILOWATTS M METER MA MAST ARM MM MILLIMETER MH MOUNTING HEIGHT NO. # PROPOSED PB PUSH BUTTON PNL PANEL PVCC RGC PVC COATED RIGID GALVANIZED CONDUIT RG RGC RIGID GALVANIZED CONDUIT RGS RIGID GALVANIZED CONDUIT RGS RACE SPACE SPACE						
CT CP CP CONTROL PANEL DA DA DAVIT ARM DC DIRECT CURRENT DIA DIA DIABETER DP DISTRIBUTION PANEL E E EXISTING UNIT TO REMAIN ECA ELECTRIC CABLE ASSEMBLY EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM) ET ET EXISTING TEMPORARY UNIT TO REMAIN ETR EXISTING TEMPORARY RELOCATED UNIT FT EXISTING TEMPORARY RELOCATED UNIT FT FOUNDATION BARRIER WALL FND BW FOUNDATION BARRIER WALL FOUNDATION CONCRETE FOUNDATION CONCRETE FOUNDATION CONCRETE FOUNDATION PARAPET WALL FU FUSE GFCI GROUND FAULT CIRCUIT INTERRUPTER GRO GROUND HID HIGH INTENSITY DISCHARGE JUNCTION BOX KVA KILOWATTS M METER MA MAST ARM MM MILLIMETER MH MOUNTING HEIGHT NO.# PROPOSED PB PUSH BUTTON PANEL PVCC RGC PVC COATED RIGID GALVANIZED CONDUIT RF RE EXISTING UNIT TO BE REMOVED AND RELOCATED (REINSTALLED) RECP RECEPTACLE RIGID GALVANIZED CONDUIT RGS RIGID GALVANIZED CONDUIT RGS RPARE SPACE SPACE						
CP DA						
DC DIA						
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XFMR TRANSFORMER	XFMR	TRANSFORMER				

GENERAL NOTES:

- 1. ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE
- 2. JUNCTION BOXES SHALL BE ATTACHED TO STRUCTURE UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS OR STANDARDS.
- 3. THE CONTRACTOR SHALL CONTACT MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLE: 773-287-7672
- 4. ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER.
- 5. 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.
- 6. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO EXCAVATION.
- 7. ALL REMOVED EQUIPMENT AND MATERIALS THAT WILL NOT BE REUSED SHALL BE RETURNED TO THE AGENCY THAT OWNS THE EQUIPMENT. THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO SAFELY TRANSPORT AND DELIVER REMOVED EQUIPMENT TO THE AGENCY'S PUBLIC WORKS STORAGE FACILITY/YARD DESIGNATED BY EACH AGENCY. COST OF THIS WORK, INCLUDING PROPERLY PACKAGING AND HANDLING OF EQUIPMENT, SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE ITEMS BEING REMOVED.
- 8. LIGHTING AND ELECTRICAL SYMBOLS ARE OVERSIZED ON THE PLANS FOR CLARITY. CONTRACTOR SHALL USE STATIONS AND SETBACKS TO ACCURATELY LOCATE EQUIPMENT.

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.

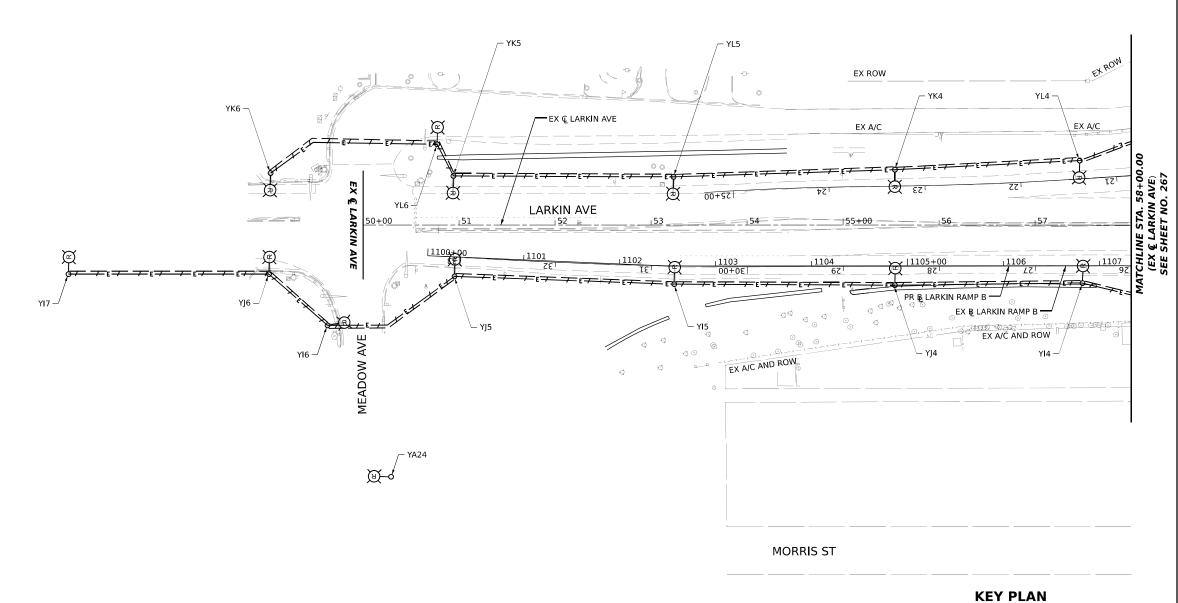
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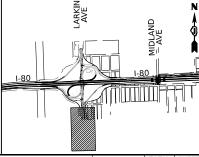
 1. REMOVE EQUIPMENT THAT ARE CALLED OUT FOR REMOVAL ONLY, REMOVE EQUIPMENT BEFORE THE START OF THE CONSTRUCTION ACTIVITIES AROUND THE LIGHT POLES, DON'T DISCONNECT OR REMOVE ANY LIGHTING EQUIPMENT UNLESS A REPLACEMENT (TEMPORARY OR PERMANENT) LIGHTING EQUIPMENT HAS BEEN INSTALLED AND MADE OPERATIONAL.
- 2. COORDINATE ALL EXISTING LIGHTING EQUIPMENT REMOVAL WITH THE CONSTRUCTION STAGING AND OTHER WORK.
- 3. DE-ENERGIZE EXISTING LIGHTING CIRCUITS AND POLES AT THE ELECTRICAL DISTRIBUTION PANELBOARD IN THE LIGHTING CABINET BEFORE DISCONNECTING AND REMOVING THE EQUIPMENT.
- 4. RETURN ALL SALVAGEABLE LIGHTING EQUIPMENT TO IDOT. PROPERLY PACKAGE AND TRANSPORT REMOVED EQUIPMENT TO THE IDOT DESIGNATED YARD OR STORAGE FACILITY.
- 5. DISPOSE OF REMOVED EXISTING LAMPS, BALLASTS AND OTHER MATERIALS THAT WILL NOT BE SALVAGED IN ACCORDANCE WITH IDOT REQUIREMENTS AND ABIDE BY ALL RECYCLING AND SAFE DISPOSAL REGULATIONS.
- 6. COMPLETELY REMOVE ENTIRE LIGHTING UNIT FROM FOUNDATION. SALVAGE LIGHTING UNIT AND DELIVER TO IDOT YARD OR FACILITY. COMPLETELY REMOVE POLE FOUNDATION PER IDOT STANDARDS.
- 7. VERIFY ROUTING OF EXISTING CIRCUIT CONDUCTORS AND MAKE ANY NECESSARY ADJUSTMENTS TO KEEP THE EXISTING POLES OPERATIONAL AS INDICATED. THIS WORK IS COVERED UNDER MAINTAIN LIGHTING SYSTEM PAY ITEM. NO SEPARATE PAYMENT WILL BE MADE FOR MATERIALS OR LABOR.







SCALE: 1"=50'



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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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TRUCTURE 4 WILL 550 266 CONTRACT NO. 62R25





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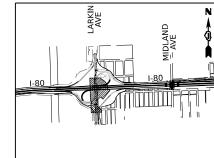
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— PR ₽ LARKIN RAMP CC

RAMP CC

- DISCONNECT THE EXISTING SIGN LIGHTING ELECTRICAL
 FEED AND REMOVE CABLES BACK TO THE NEAREST SPLICE POINT UNAFFECTED BY CONSTRUCTION. THIS WORK SHALL BE PAID FOR UNDER THE "DISCONNECT SIGN LIGHTING AND REMOVE WIRING TO THE NEAREST SPLICE" PAY ITEM.
- 2. REMOVAL OF THE EXISTING SIGN LUMINAIRES SHALL BE PAID FOR UNDER THE REMOVAL OF LIGHTING UNIT, NO SALVAGE PAY ITEM. QUANITITY SHALL BE A TOTAL OF 1 PER SIGN STRUCTURE REGARDLESS OF THE NUMBER OF LUMINAIRES BEING REMOVED.
- 3. REMOVE EQUIPMENT THAT ARE CALLED OUT FOR REMOVAL ONLY. REMOVE EQUIPMENT BEFORE THE START OF THE CONSTRUCTION ACTIVITIES AROUND THE LIGHT POLES. DON'T DISCONNECT OR REMOVE ANY LIGHTING EQUIPMENT UNLESS A REPLACEMENT (TEMPORARY OR PERMANENT) LIGHTING EQUIPMENT HAS BEEN INSTALLED AND MADE OPERATIONAL
- 4. COORDINATE ALL EXISTING LIGHTING EQUIPMENT REMOVAL WITH THE CONSTRUCTION STAGING AND
- 5. DE-ENERGIZE EXISTING LIGHTING CIRCUITS AND POLES AT THE ELECTRICAL DISTRIBUTION PANELBOARD IN THE LIGHTING CABINET BEFORE DISCONNECTING AND
- 6. RETURN ALL SALVAGEABLE LIGHTING EQUIPMENT TO IDOT, PROPERLY PACKAGE AND TRANSPORT REMOVED EQUIPMENT TO THE IDOT DESIGNATED YARD OR STORAGE FACILITY.
- 7. DISPOSE OF REMOVED EXISTING LAMPS, BALLASTS AND OTHER MATERIALS THAT WILL NOT BE SALVAGED IN ACCORDANCE WITH IDOT REQUIREMENTS AND ABIDE BY ALL RECYCLING AND SAFE DISPOSAL REGULATIONS.
- 8. COMPLETELY REMOVE ENTIRE LIGHTING UNIT FROM FOUNDATION, SALVAGE LIGHTING UNIT AND DELIVER TO IDOT YARD OR FACILITY. COMPLETELY REMOVE POLE FOUNDATION PER IDOT STANDARDS.
- 9. VERIFY ROUTING OF EXISTING CIRCUIT CONDUCTORS AND MAKE ANY NECESSARY ADJUSTMENTS TO KEEP THE EXISTING POLES OPERATIONAL AS INDICATED, THIS WORK IS COVERED UNDER MAINTAIN LIGHTING SYSTEM PAY ITEM. NO SEPARATE PAYMENT WILL BE MADE FOR MATERIALS OR LABOR.
- 10. PARAPET FOUNDATION TO BE REUSED FOR PROPOSED LIGHTING UNIT, AVOID DAMAGING ANCHOR RODS WHEN REMOVING EXISTING LIGHTING UNIT FROM FOUNDATION.
- 11. REMOVE EXISTING LIGHTING CIRCUIT CABLES FROM EMBEDDED JUNCTION BOX TO EXISTING LIGHT POLE FOUNDATION. ROD AND CLEAN CONDUIT PRIOR TO PULLING PROPOSED CABLES.

KEY PLAN



AECOM	
303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276	

USER NAME = myersc	DESIGNED - TJL	REVISED
	DRAWN - CAM	REVISED -
PLOT SCALE = 100.000 / in.	CHECKED - MAE	REVISED -
PLOT DATE = 5/28/2024	DATE - 6/4/24	REVISED -

SEE SHEET NO. 271 AA)
OR BLARKIN OEA OR

PR & LARKIN RAMP A

YI11 -

SEE SHEET NO. 271 (PR & LARKIN RAMP A)

MATCHLINE STA. 915+00.00

YJ10 -

I EX ROW

LARKIN AVE

RAMP B

EX A/C AND ROW

PR & LARKIN RAMP B

SHEET NO.

IPR & LARKIN RAMP AA)
MATCHLINE STA. 954+00.00

— PR № LARKIN RAMP AA

– EX ₽ LARKIN RAMP AA

EX & LARKIN RAMP AA

NOTES 1 AND 2

EX C LARKIN AVE

YD1

NOTE 11

- YD4

NOTE 11

PR & LARKIN RAMP AA -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SEE SHEET NO. 269 & 271

(PR € I-80)

MATCHLINE STA. 587+00.00

YK9 NOTE 10

YJ9 -NOTE 10

ΕB

I-80

YQ3

MATCHLINE STA. 593+00.00

(PR € I-80)

SEE SHEET NO. 270 & 272

SCALE: 1"=50'

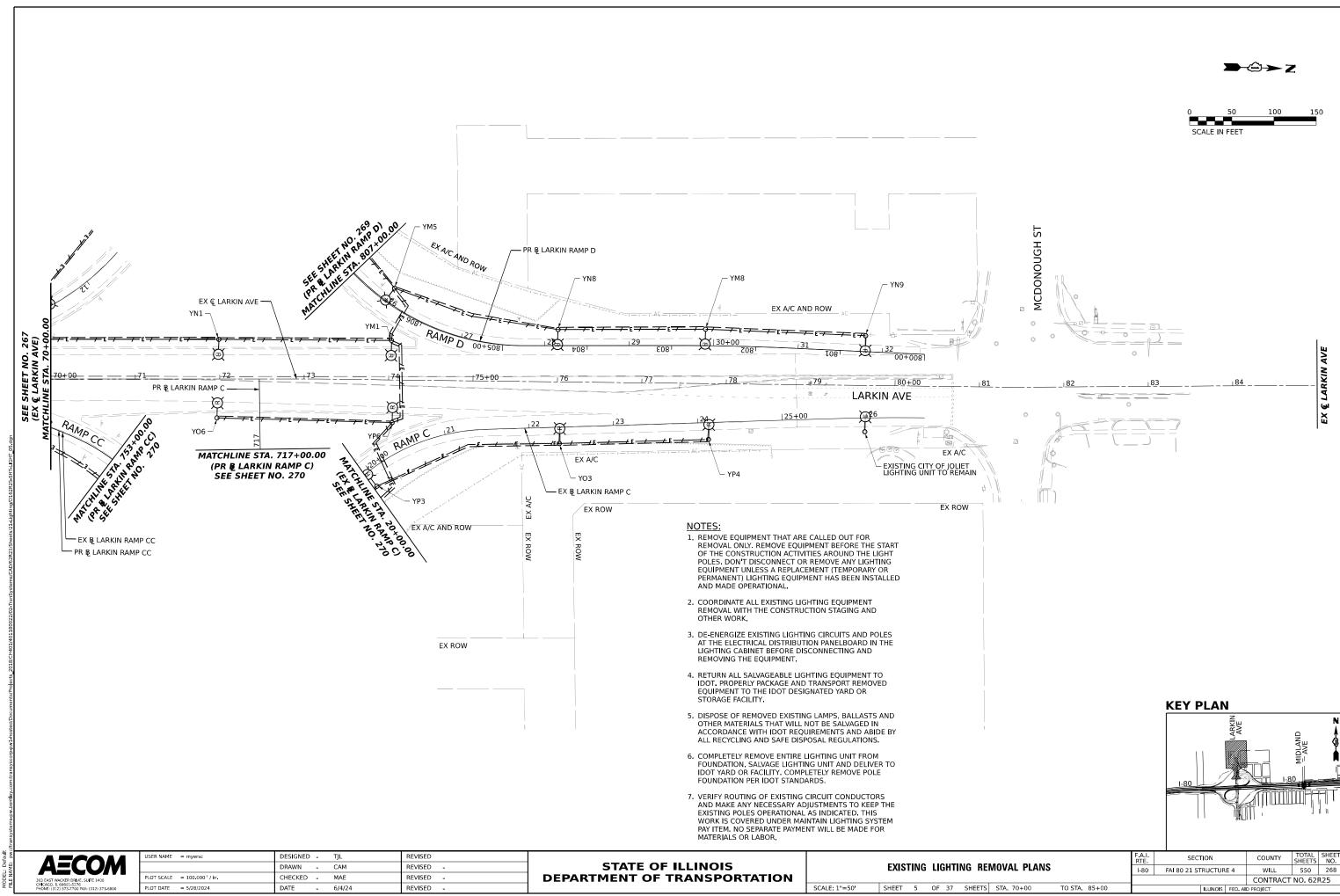
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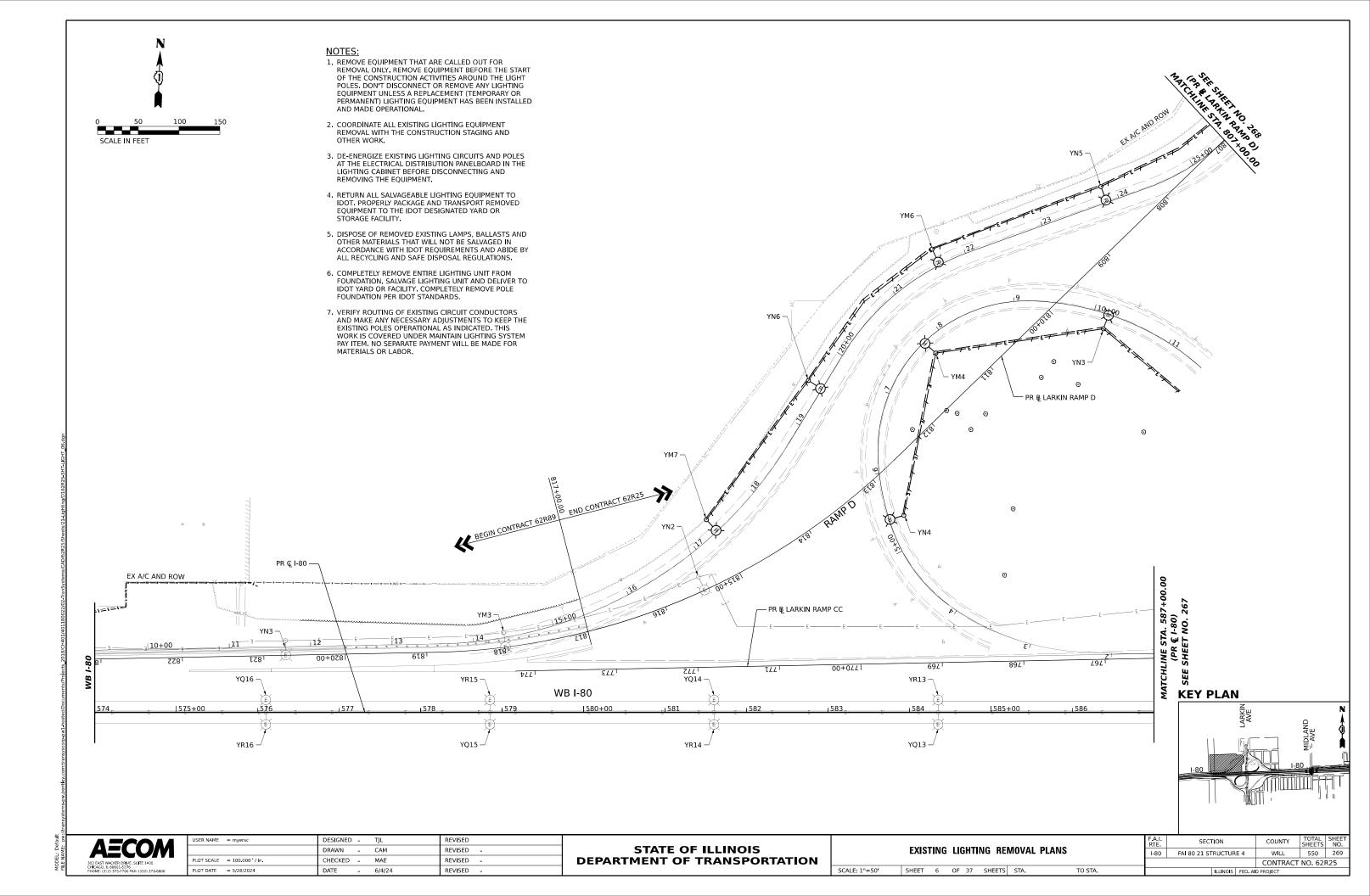
— PR Ç I-80

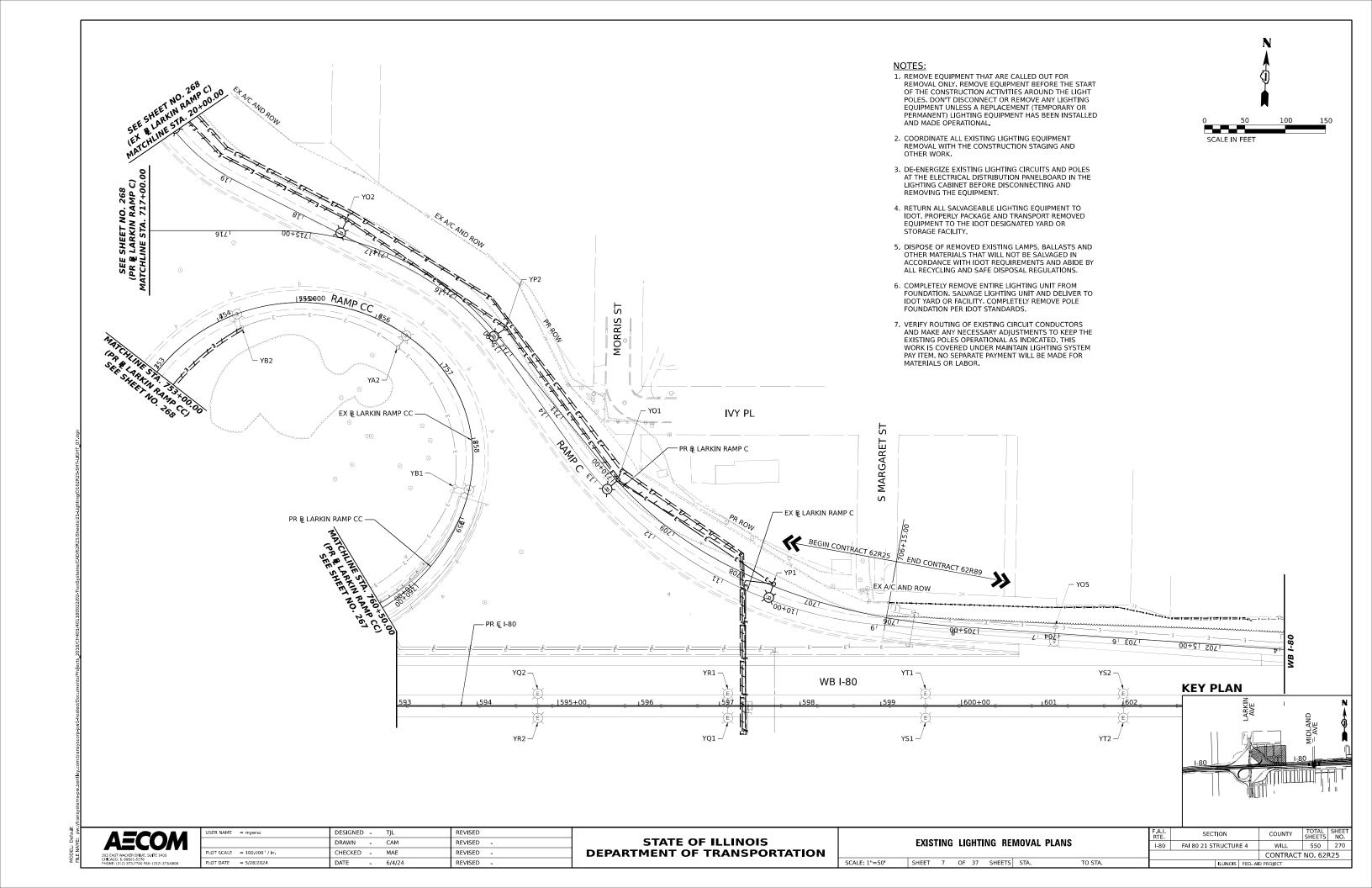
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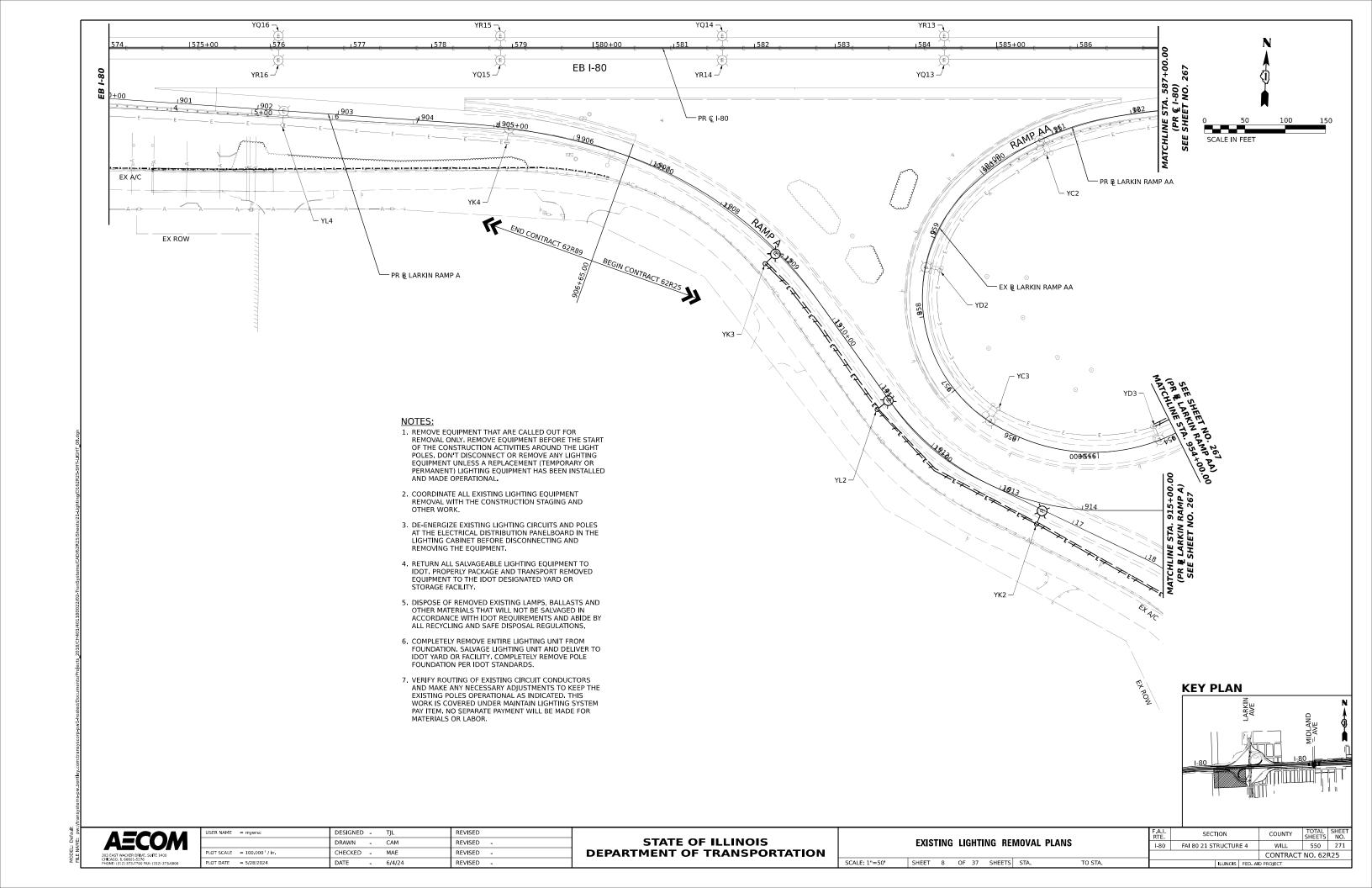
EXISTING LIGHTING REMOVAL PLANS SHEET 4 OF 37 SHEETS STA. 58+00 TO STA. 70+00

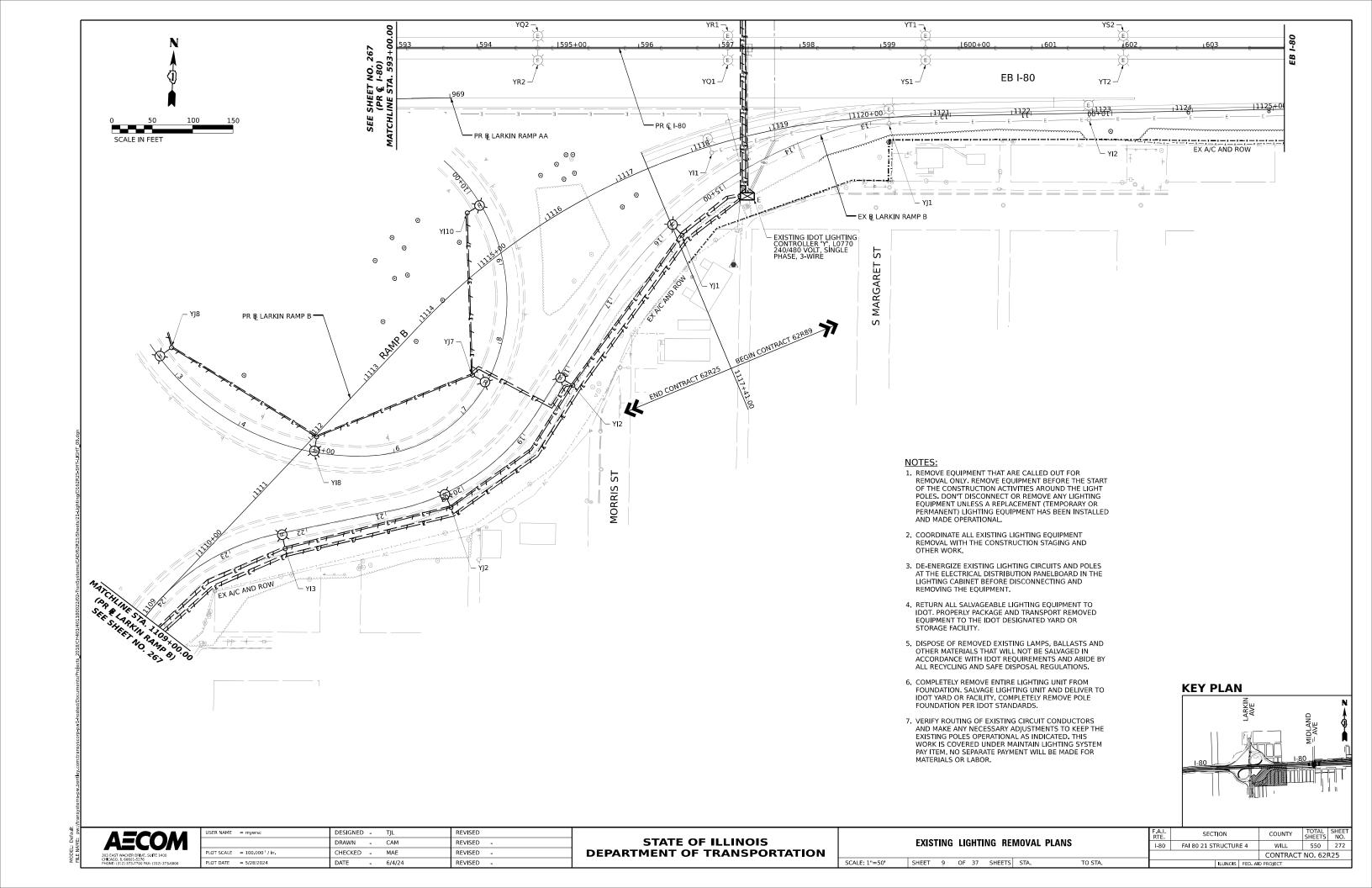
SECTION COUNTY I-80 FAI 80 21 STRUCTURE 4 WILL 550 267 CONTRACT NO. 62R25



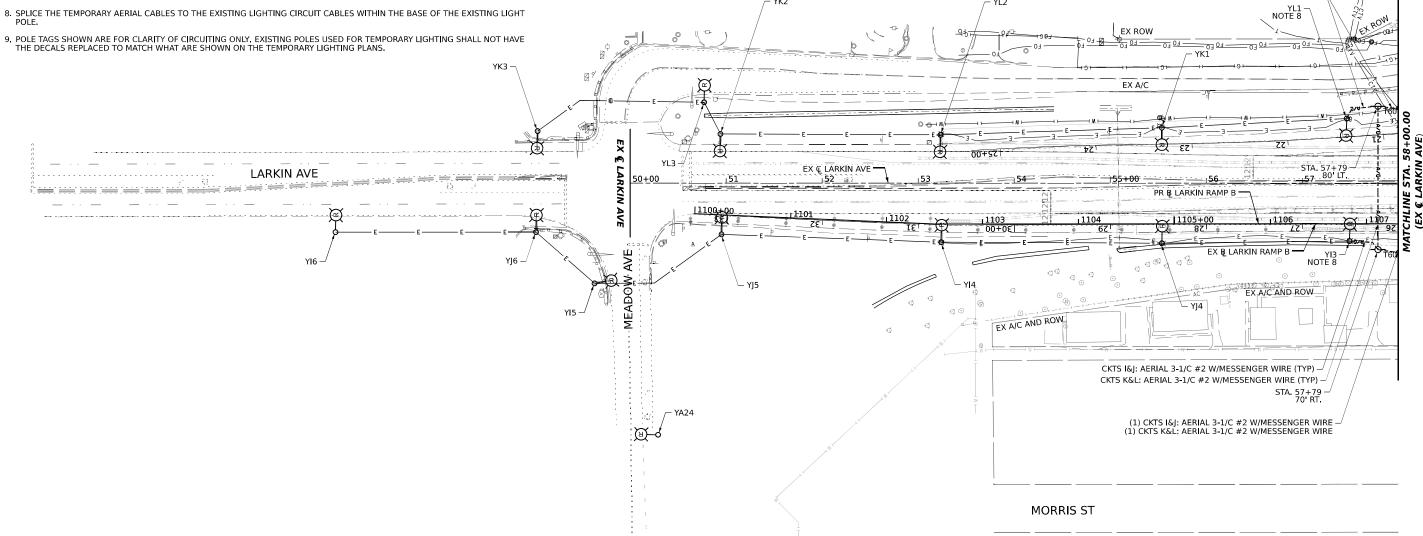








- 1. PROVIDE A TEMPORARY AERIAL CABLE FEED WITH MESSENGER WIRE BETWEEN TEMPORARY LIGHTING UNITS AS SHOWN. ROUTE AERIAL CABLE ON WOOD POLES IN ORDER TO CONNECT THE ROADWAY LIGHTING CIRCUITS AS SHOWN.
- 2. THE CONTRACTOR SHALL MAINTAIN THE EXISTING LIGHTING EQUIPMENT FULLY OPERATIONAL ON THE TRAFFIC SIDE OF THE ROADWAY. THE CONTRACTOR SHALL REWIRE EXISTING LIGHTING CIRCUITS AS NECESSARY TO KEEP ALL OF THE LIGHT POLES OPERATIONAL DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ANY EQUIPMENT, MATERIALS, AND LABOR NECESSARY TO ACCOMPLISH THIS GOAL EVEN IF NOT SPECIFIED OR DETAILED IN THE PLANS. THIS WORK IS COVERED UNDER MAINTENANCE OF LIGHTING SYSTEM PAY ITEM. NO SEPARATE PAYMENT WILL BE MADE FOR MATERIALS OR LABOR.
- 3. THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT LIGHT POLES USING HEAT-SHRINK CAPS WITH FACTORY APPLIED WATERPROOF
- 4. WHERE THE CONTINUITY OF CIRCUITS OR CONDUITS SERVING ANY EXISTING LIGHTING/EQUIPMENT TO REMAIN IN OPERATION IS INTERFERED WITH, RE-ROUTE, AND REWIRE SUCH CIRCUITS OR CONDUITS IN ORDER TO KEEP THE LIGHTING SYSTEM OPERATIONAL AT ALL TIMES.
- 5. THE TEMPORARY WIRING OF THE EXISTING LIGHTING MUST BE INSTALLED AND THE LIGHTING SYSTEM MADE FULLY OPERATIONAL BEFORE THE EXISTING UNDERGROUND CONDUITS AND WIRING ARE DISCONNECTED OR REMOVED.
- 6. REMOVE WOOD POLE MOUNTED LIGHTING UNITS, OVERHEAD CABLE, WOOD POLES, AND OTHER TEMPORARY EQUIPMENT AT THE END OF CONSTRUCTION. LUMINAIRES REMOVED FROM TEMPORARY LIGHTING UNITS SHALL BE SALVAGED TO IDOT.
- 7. THE EXISTING LIGHT POLES TO BE REMOVED THAT ARE NOT IN CONFLICT WITH CONSTRUCTION SHALL REMAIN IN PLACE AS TEMPORARY LIGHTING UNTIL THE PROPOSED LIGHTING HAS BEEN INSTALLED AND ENERGIZED.





USER NAME = myersc	DESIGNED -	TJL	REVISED	
	DRAWN -	CAM	REVISED -	
PLOT SCALE = 100.000 / in.	CHECKED -	MAE	REVISED -	
PLOT DATE = 5/28/2024	DATE -	6/4/24	REVISED -	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

RTE	TEMPODADY LICUTING DIAMO										
1-80	TEMPORARY LIGHTING PLANS										
	58+00	TO STA.	STA. 50+00	SHEETS	37	OF	10	ΕT			

SECTION FAI 80 21 STRUCTURE 4 WILL 550 273 CONTRACT NO. 62R25

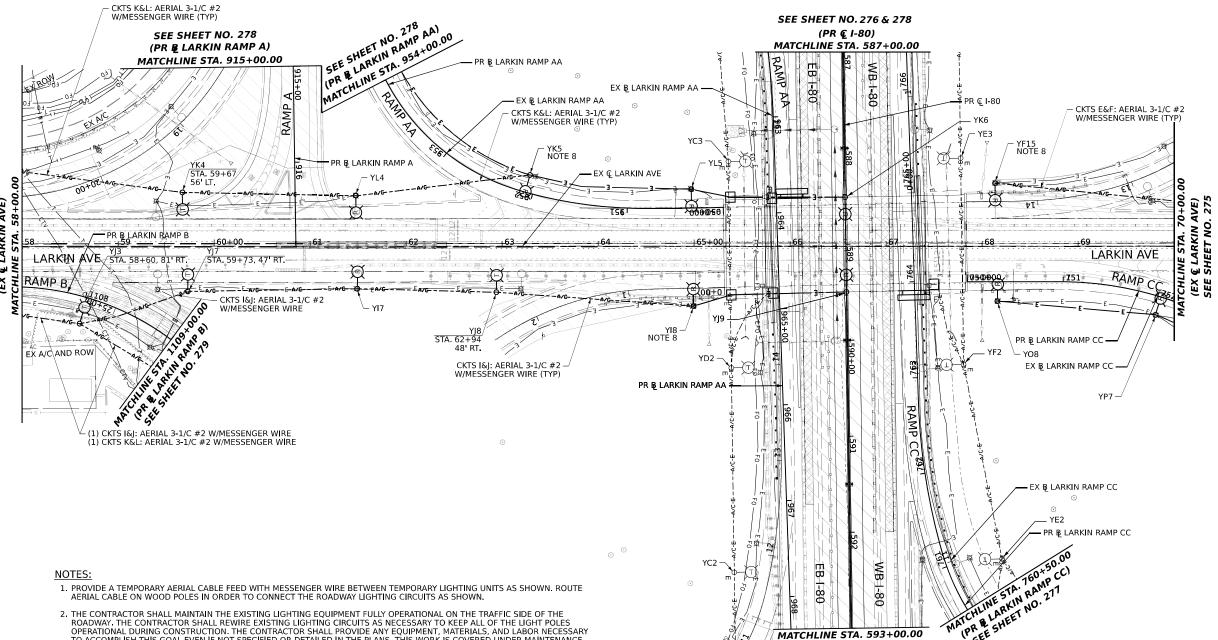
KEY PLAN

CKTS K&L: AERIAL 3-1/C #2 W/MESSENGER WIRE (TYP)

SCALE: 1"=50' SHEE

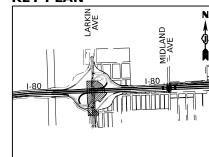






- 2. THE CONTRACTOR SHALL MAINTAIN THE EXISTING LIGHTING EQUIPMENT FULLY OPERATIONAL ON THE TRAFFIC SIDE OF THE ROADWAY. THE CONTRACTOR SHALL REWIRE EXISTING LIGHTING CIRCUITS AS NECESSARY TO KEEP ALL OF THE LIGHT POLES OPERATIONAL DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ANY EQUIPMENT, MATERIALS, AND LABOR NECESSARY TO ACCOMPLISH THIS GOAL EVEN IF NOT SPECIFIED OR DETAILED IN THE PLANS. THIS WORK IS COVERED UNDER MAINTENANCE OF LIGHTING SYSTEM PAY ITEM, NO SEPARATE PAYMENT WILL BE MADE FOR MATERIALS OR LABOR.
- 3. THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT LIGHT POLES USING HEAT-SHRINK CAPS WITH FACTORY APPLIED WATERPROOF
- 4. WHERE THE CONTINUITY OF CIRCUITS OR CONDUITS SERVING ANY EXISTING LIGHTING/EQUIPMENT TO REMAIN IN OPERATION IS INTERFERED WITH, RE-ROUTE, AND REWIRE SUCH CIRCUITS OR CONDUITS IN ORDER TO KEEP THE LIGHTING SYSTEM OPERATIONAL AT ALL TIMES.
- 5. THE TEMPORARY WIRING OF THE EXISTING LIGHTING MUST BE INSTALLED AND THE LIGHTING SYSTEM MADE FULLY OPERATIONAL BEFORE THE EXISTING UNDERGROUND CONDUITS AND WIRING ARE DISCONNECTED OR REMOVED.
- 6. REMOVE WOOD POLE MOUNTED LIGHTING UNITS, OVERHEAD CABLE, WOOD POLES, AND OTHER TEMPORARY EQUIPMENT AT THE END OF CONSTRUCTION. LUMINAIRES REMOVED FROM TEMPORARY LIGHTING UNITS SHALL BE SALVAGED TO IDOT.
- 7. THE EXISTING LIGHT POLES TO BE REMOVED THAT ARE NOT IN CONFLICT WITH CONSTRUCTION SHALL REMAIN IN PLACE AS TEMPORARY LIGHTING UNTIL THE PROPOSED LIGHTING HAS BEEN INSTALLED AND ENERGIZED.
- 8. SPLICE THE TEMPORARY AERIAL CABLES TO THE EXISTING LIGHTING CIRCUIT CABLES WITHIN THE BASE OF THE EXISTING LIGHT
- 9. POLE TAGS SHOWN ARE FOR CLARITY OF CIRCUITING ONLY. EXISTING POLES USED FOR TEMPORARY LIGHTING SHALL NOT HAVE THE DECALS REPLACED TO MATCH WHAT ARE SHOWN ON THE TEMPORARY LIGHTING PLANS.

KEY PLAN



AECOM	
303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800	

USER NAME = myersc	DESIGNED - TJL	REVISED
	DRAWN - CAM	REVISED -
PLOT SCALE = 100.000 ' / in.	CHECKED - MAE	REVISED -
PLOT DATE = 5/28/2024	DATE - 6/4/24	REVISED -

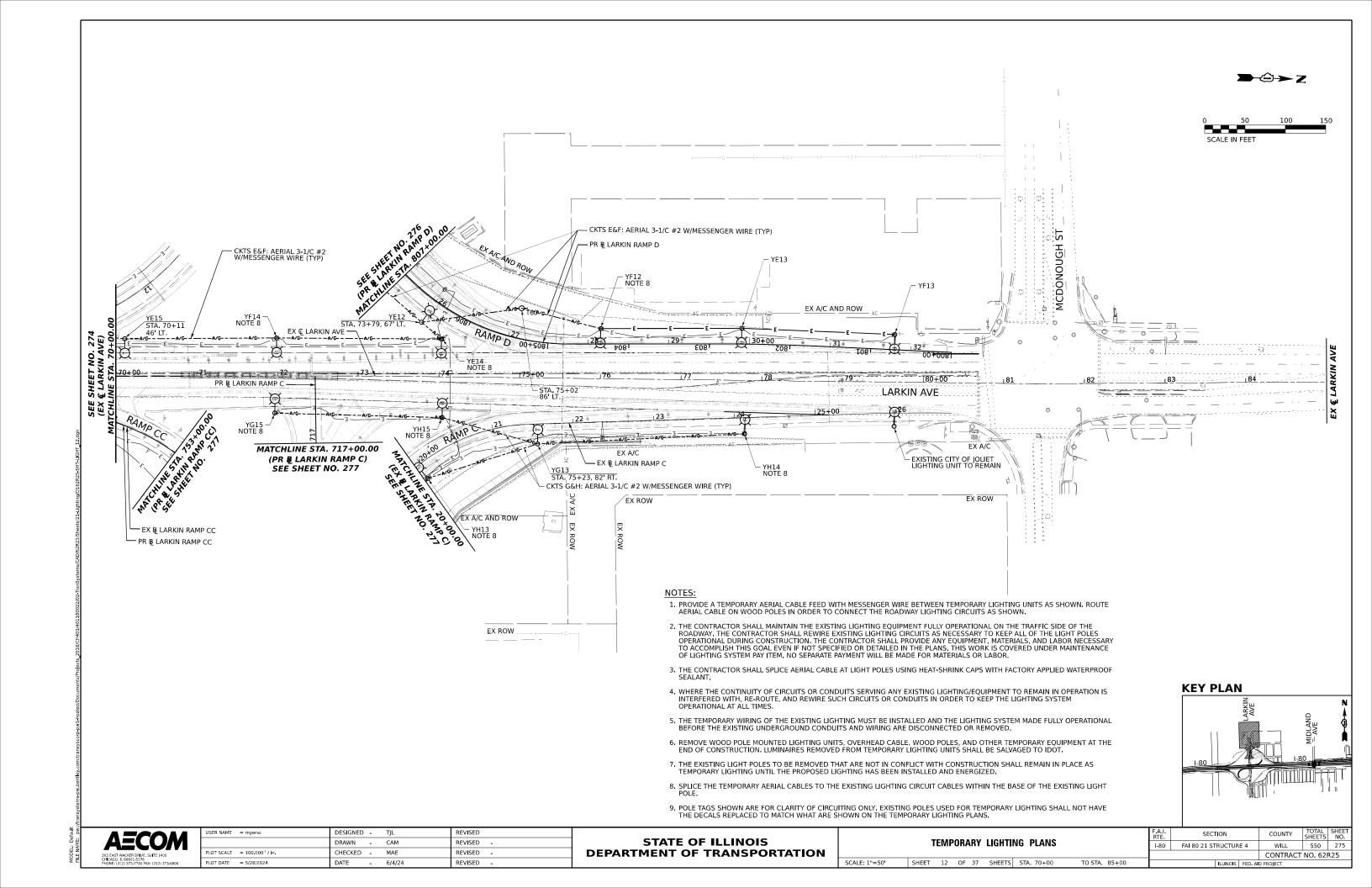
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

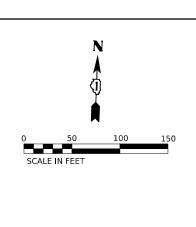
(PR € I-80) **SEE SHEET NO. 277 & 279**

SCALE: 1"=50'

									F.A.I. RTE	
TEMPORARY LIGHTING PLANS									I-80	FAI 80
SHEET	11	OF	27	SHEETS	CTA	E0 + 00	TO CTA	70400		

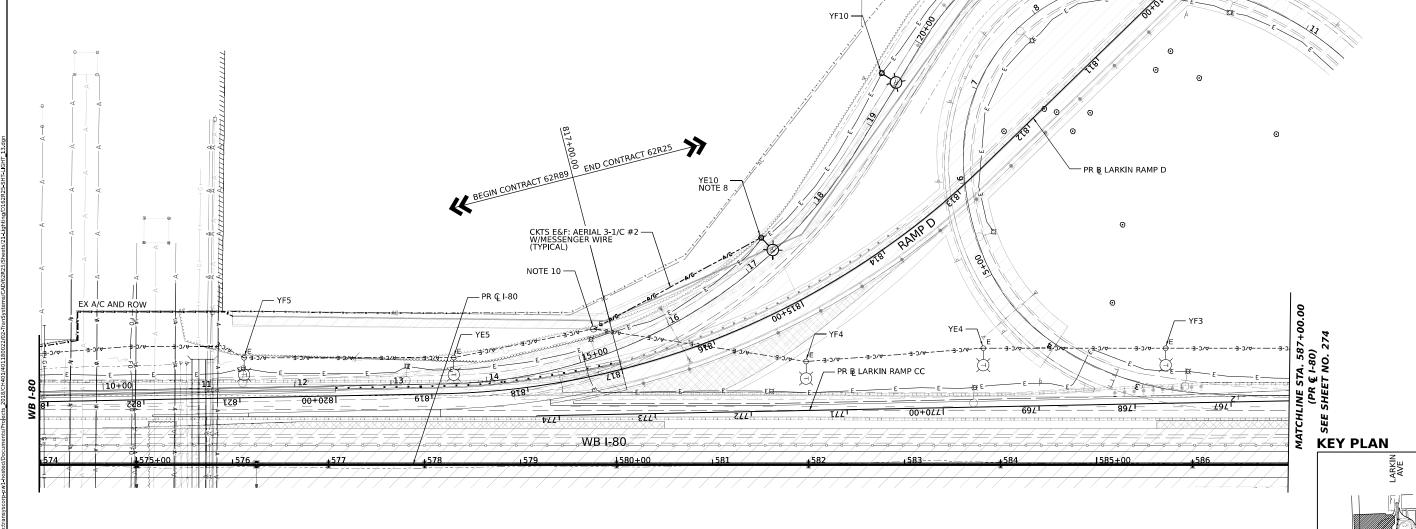
SECTION COUNTY 21 STRUCTURE 4 WILL 550 274 CONTRACT NO. 62R25





NOTES:

- 1. PROVIDE A TEMPORARY AERIAL CABLE FEED WITH MESSENGER WIRE BETWEEN TEMPORARY LIGHTING UNITS AS SHOWN. ROUTE AERIAL CABLE ON WOOD POLES IN ORDER TO CONNECT THE ROADWAY LIGHTING CIRCUITS AS SHOWN.
- 2. THE CONTRACTOR SHALL MAINTAIN THE EXISTING LIGHTING EQUIPMENT FULLY OPERATIONAL ON THE TRAFFIC SIDE OF THE ROADWAY, THE CONTRACTOR SHALL REWIRE EXISTING LIGHTING CIRCUITS AS NECESSARY TO KEEP ALL OF THE LIGHT POLES OPERATIONAL DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ANY EQUIPMENT, MATERIALS, AND LABOR NECESSARY TO ACCOMPLISH THIS GOAL EVEN IF NOT SPECIFIED OR DETAILED IN THE PLANS. THIS WORK IS COVERED UNDER MAINTENANCE OF LIGHTING SYSTEM PAY ITEM. NO SEPARATE PAYMENT WILL BE MADE FOR MATERIALS OR LABOR.
- 3. THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT LIGHT POLES USING HEAT-SHRINK CAPS WITH FACTORY APPLIED WATERPROOF SEALANT.
- 4. WHERE THE CONTINUITY OF CIRCUITS OR CONDUITS SERVING ANY EXISTING LIGHTING/EQUIPMENT TO REMAIN IN OPERATION IS INTERFERED WITH, RE-ROUTE, AND REWIRE SUCH CIRCUITS OR CONDUITS IN ORDER TO KEEP THE LIGHTING SYSTEM OPERATIONAL AT ALL TIMES.
- 5. THE TEMPORARY WIRING OF THE EXISTING LIGHTING MUST BE INSTALLED AND THE LIGHTING SYSTEM MADE FULLY OPERATIONAL BEFORE THE EXISTING UNDERGROUND CONDUITS AND WIRING ARE DISCONNECTED OR REMOVED.
- 6. REMOVE WOOD POLE MOUNTED LIGHTING UNITS, OVERHEAD CABLE, WOOD POLES, AND OTHER TEMPORARY EQUIPMENT AT THE END OF CONSTRUCTION. LUMINAIRES REMOVED FROM TEMPORARY LIGHTING UNITS SHALL BE SALVAGED TO IDOT.
- 7. THE EXISTING LIGHT POLES TO BE REMOVED THAT ARE NOT IN CONFLICT WITH CONSTRUCTION SHALL REMAIN IN PLACE AS TEMPORARY LIGHTING UNTIL THE PROPOSED LIGHTING HAS BEEN INSTALLED AND ENERGIZED.
- 8. SPLICE THE TEMPORARY AERIAL CABLES TO THE EXISTING LIGHTING CIRCUIT CABLES WITHIN THE BASE OF THE EXISTING LIGHT POLE.
- POLE TAGS SHOWN ARE FOR CLARITY OF CIRCUITING ONLY. EXISTING POLES USED FOR TEMPORARY LIGHTING SHALL NOT HAVE THE DECALS REPLACED TO MATCH WHAT ARE SHOWN ON THE TEMPORARY LIGHTING PLANS.
- 10. SPLICE THE PROPOSED AERIAL CABLES TO THE EXISTING AERIAL CABLES AT THE EXISTING TEMPORARY WOOD POLE INSTALLED IN CONTRACT 62R89.
- 11. THE EXISTING TEMPORARY LIGHTING SHOWN IS TO BE INSTALLED IN CONTRACT 62R89, ANY TEMPORARY FEEDS CONNECTED TO THE EXISTING TEMPORARY LIGHTING SHALL BE COORDINATED WITH THE 62R89 CONTRACTOR.





USER NAME = myersc	DESIGNED -	TJL	REVISED	
	DRAWN -	CAM	REVISED -	
PLOT SCALE = 100.000 / in.	CHECKED -	MAE	REVISED -	
PLOT DATE = 5/28/2024	DATE -	6/4/24	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50'

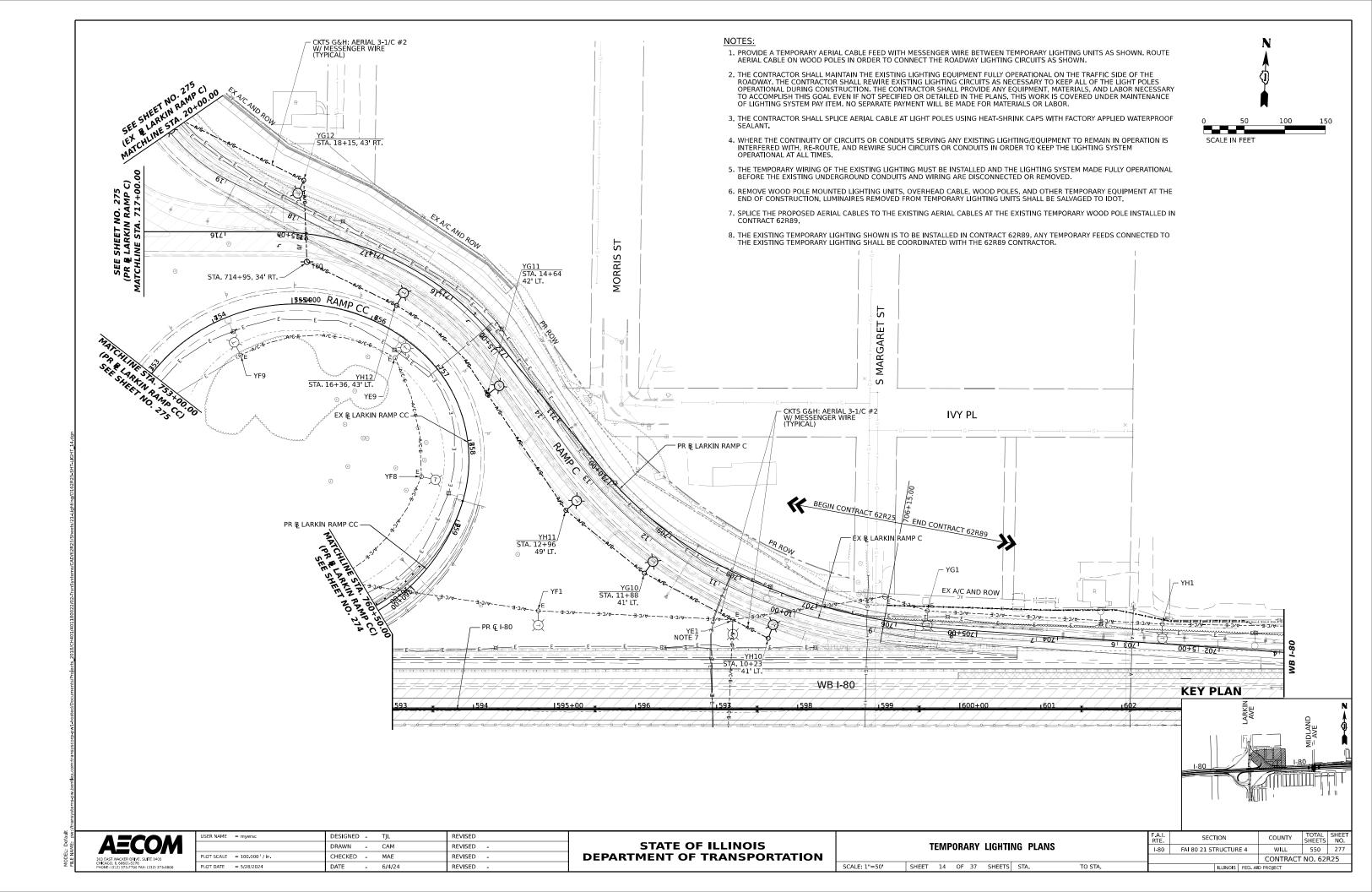
SHEET

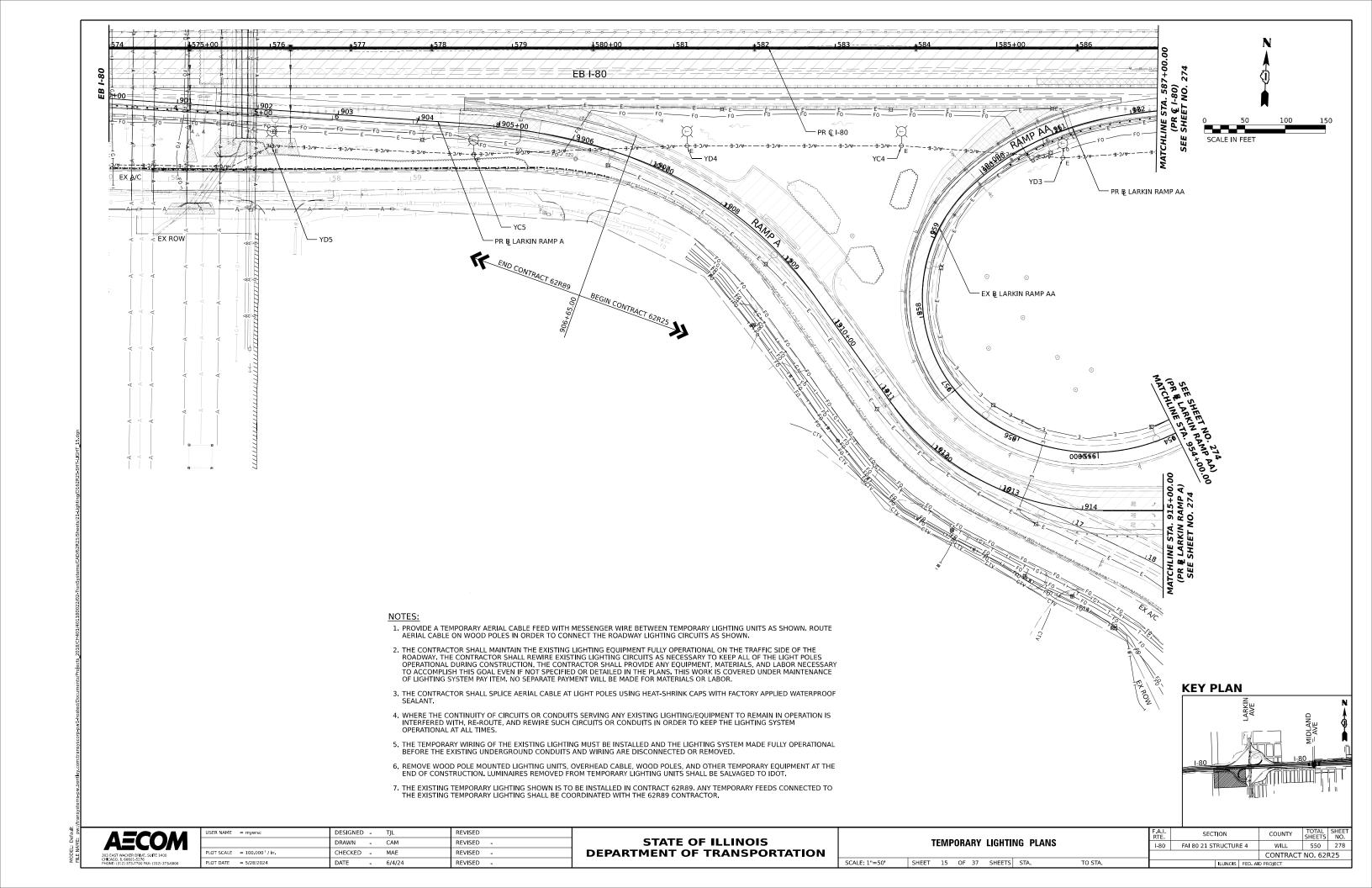
							F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHE
TEMPORARY LIGHTING PLANS				NS	I-80	FAI 80 21 STRUCTURE 4	WILL	550	27		
									CONTRACT	NO. 621	R25
13	3	OF	37	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		

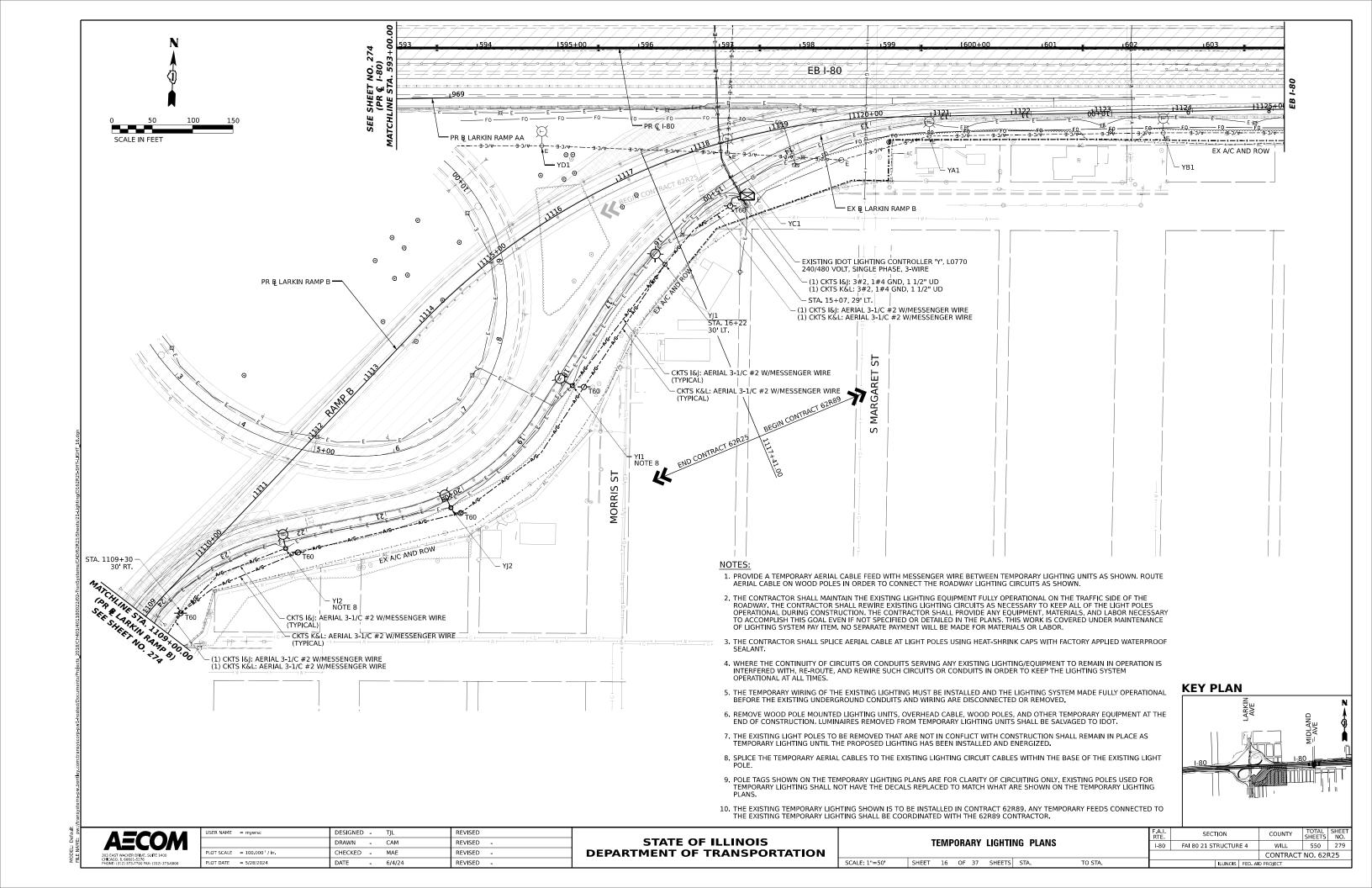
STA. 807+73 37' LT.

CKTS E&F: AERIAL 3-1/C #2 -W/MESSENGER WIRE (TYPICAL)

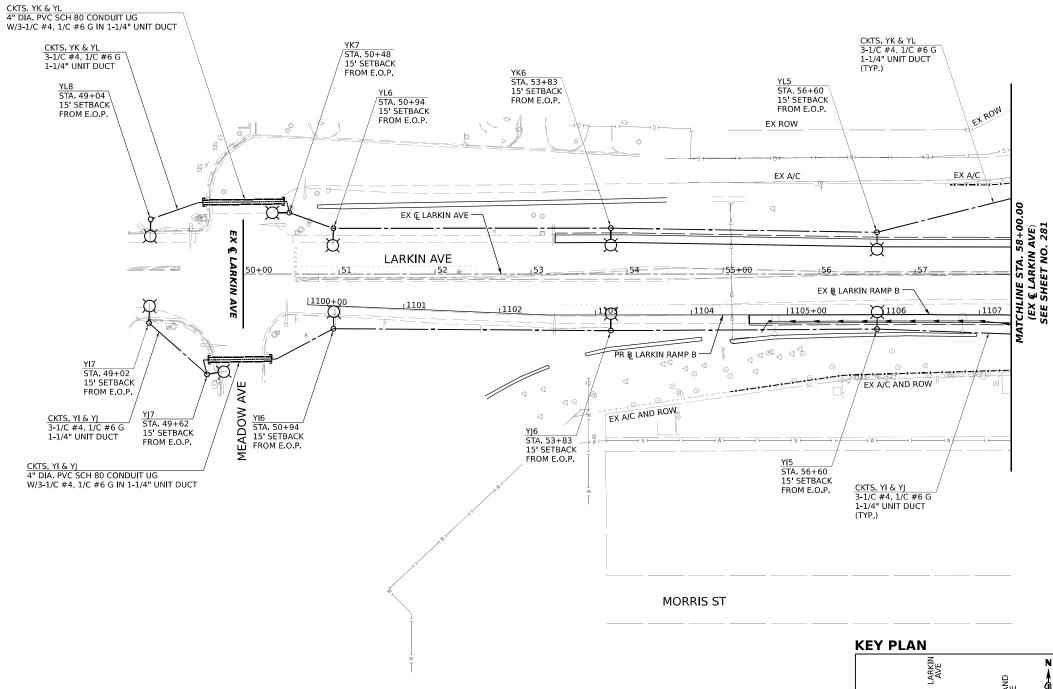
YE11 -











SCALE: 1"=50'

AVE MIDLAND

AECOM	
303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800	

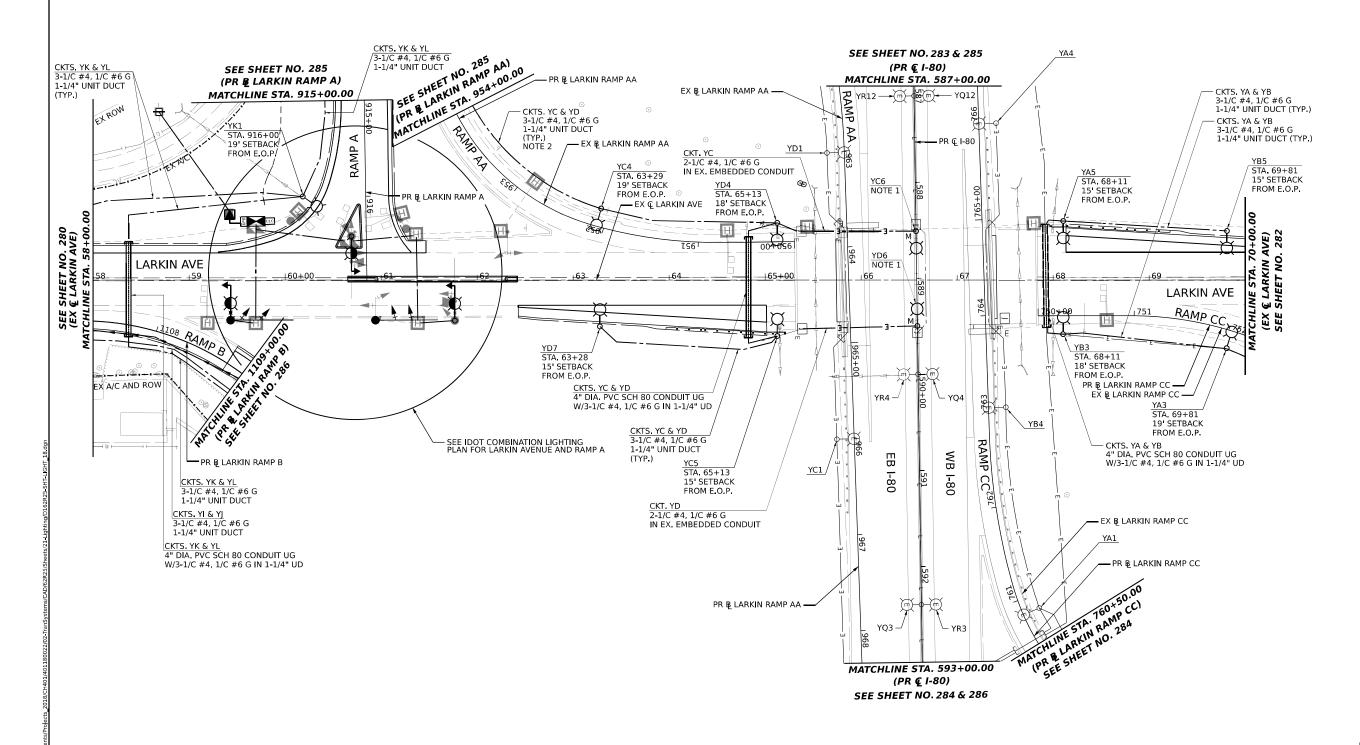
USER NAME = myersc	DESIGNED	-	TJL	REVISED
	DRAWN	-	CAM	REVISED -
PLOT SCALE = 100.000 / in.	CHECKED	-	MAE	REVISED -
PLOT DATE = 5/28/2024	DATE	-	6/4/24	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRODOCED LICUTING DIANG								SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
	PROPOSED LIGHTING PLANS							FAI 80 21 STRUCTURE 4	4	WILL	550	280
							·			CONTRACT NO. 62R25		R25
SHEET	17	OF	37	SHEETS	STA. 50+00	TO STA. 58+00	ILLINOIS FED. AID PROJECT			PROJECT		



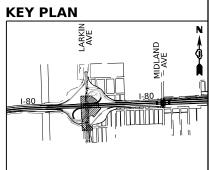




NOTES:

- 1. PROPOSED LIGHTING UNIT TO BE MOUNTED ON EXISTING PARAPET FOUNDATION WITH A 6 FT MAST ARM.
- 2. COORDINATE PROPOSED UNDERGROUND FEED FROM PROPOSED LIGHTING UNIT TO EXISTING LIGHTING UNIT TO BE INSTALLED IN CONTRACT 62R89.

SCALE: 1"=50'

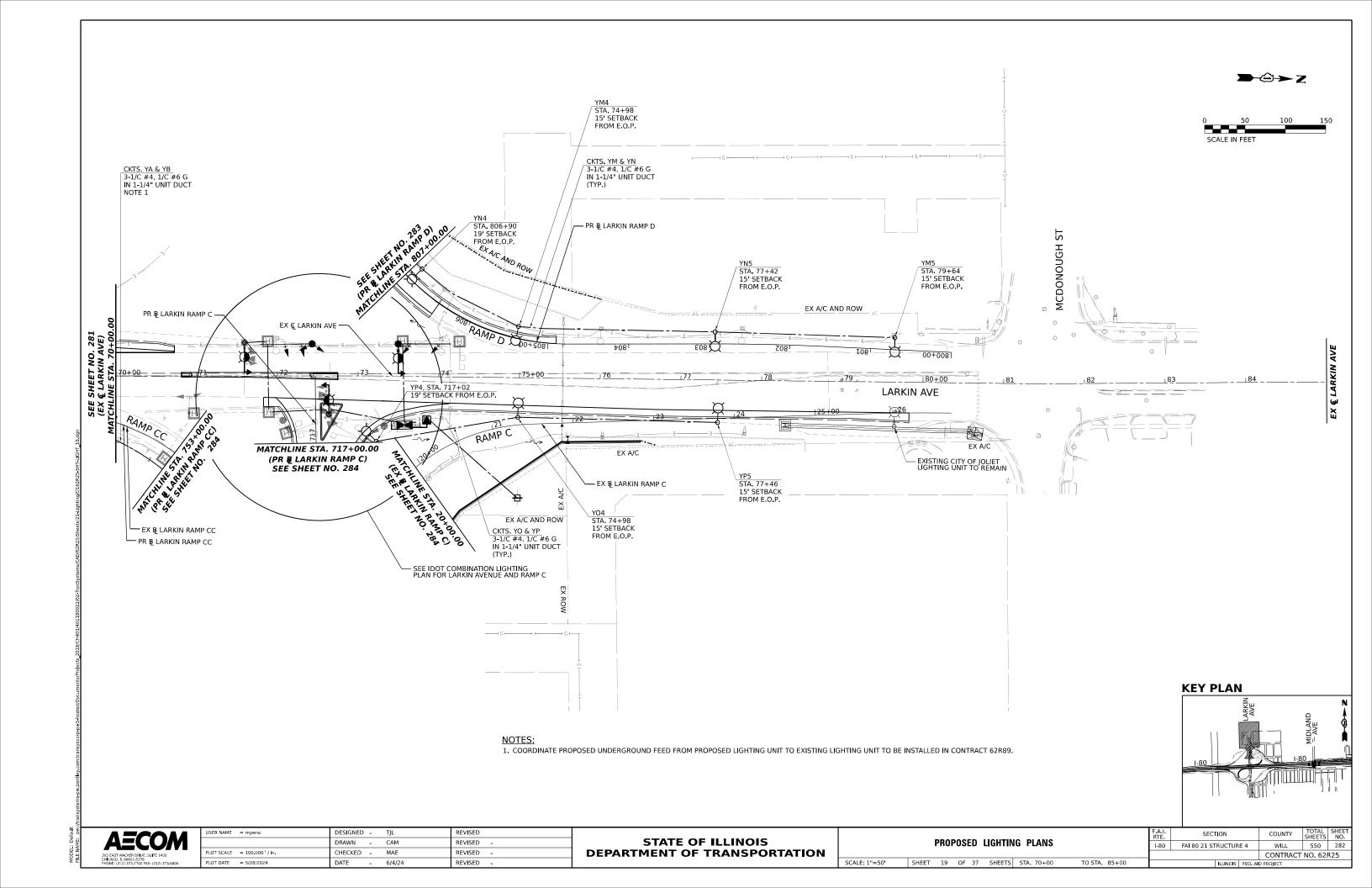


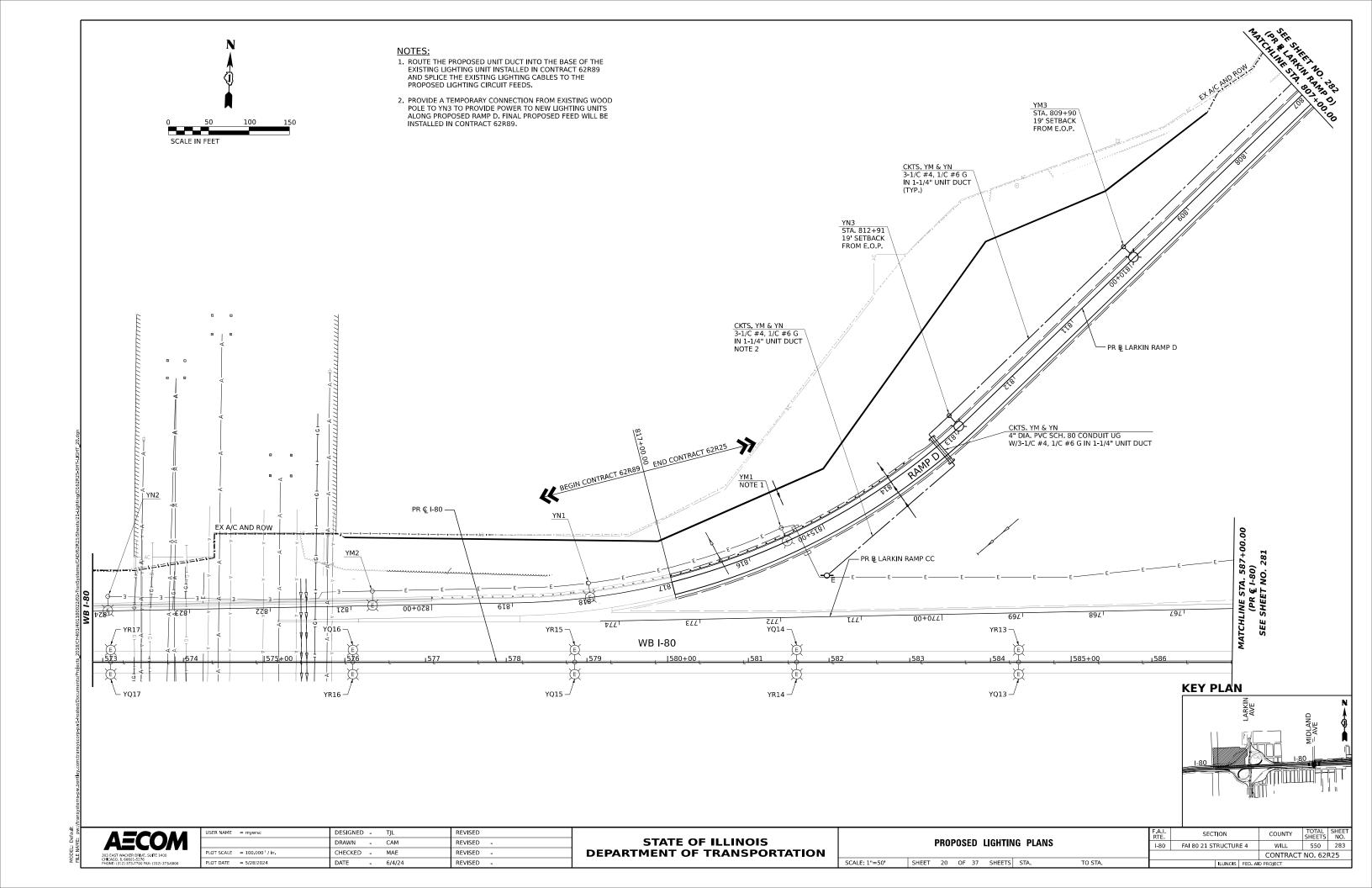
AECON	1
303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800	

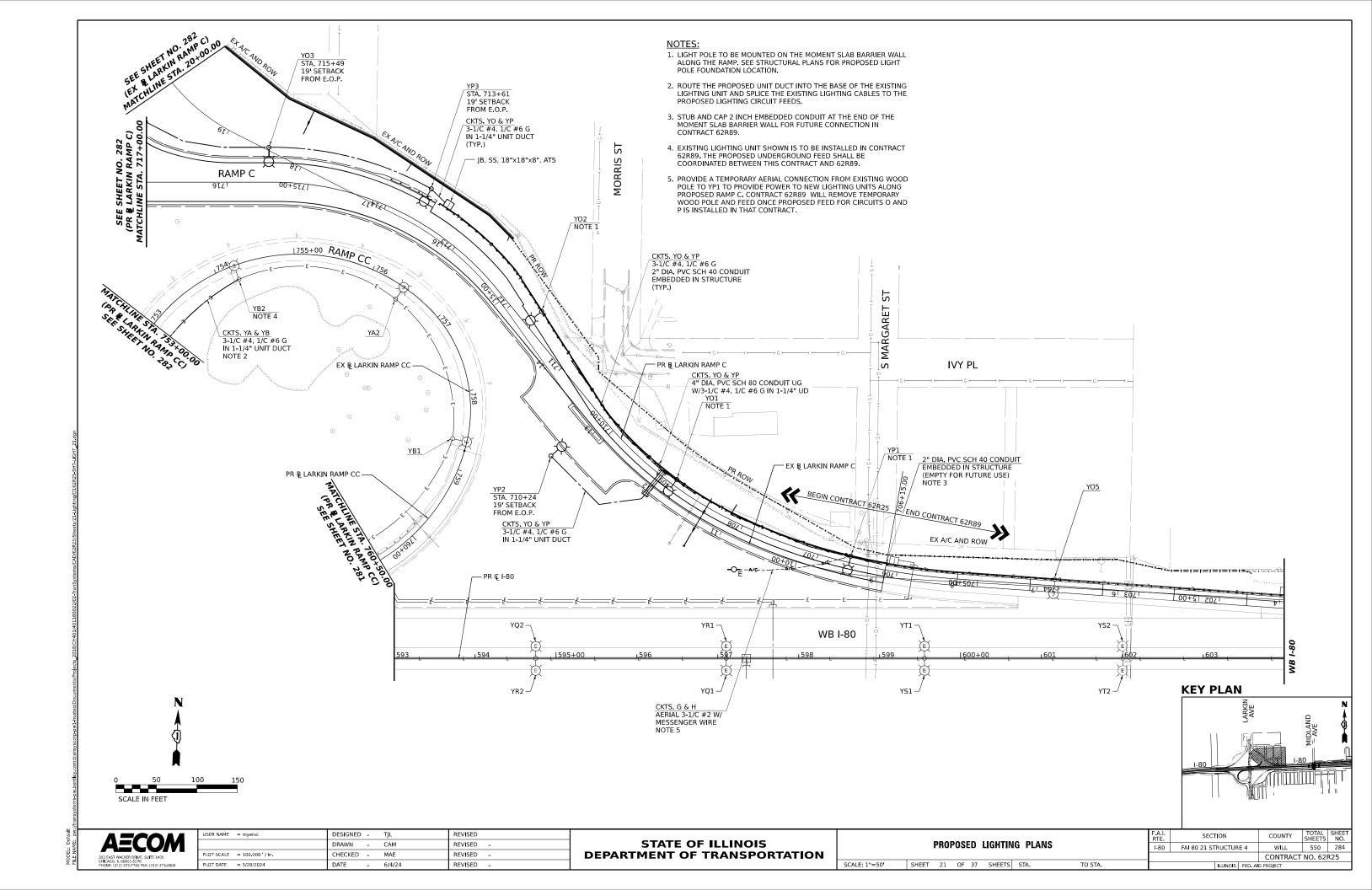
USER NAME = myersc	DESIGNED - TJL	REVISED
	DRAWN - CAM	REVISED -
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PLOT DATE = 5/28/2024	DATE - 6/4/24	REVISED -
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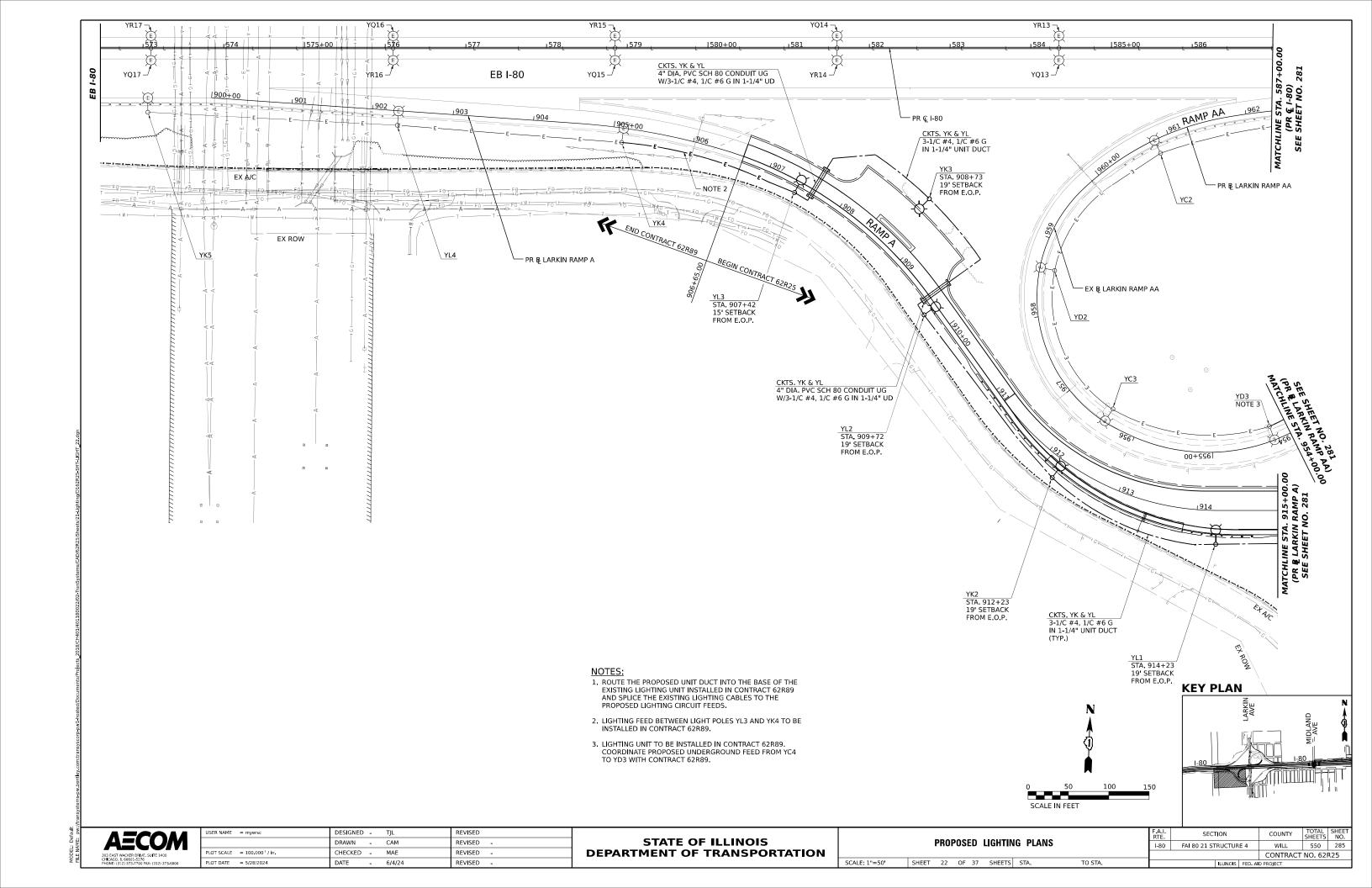
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

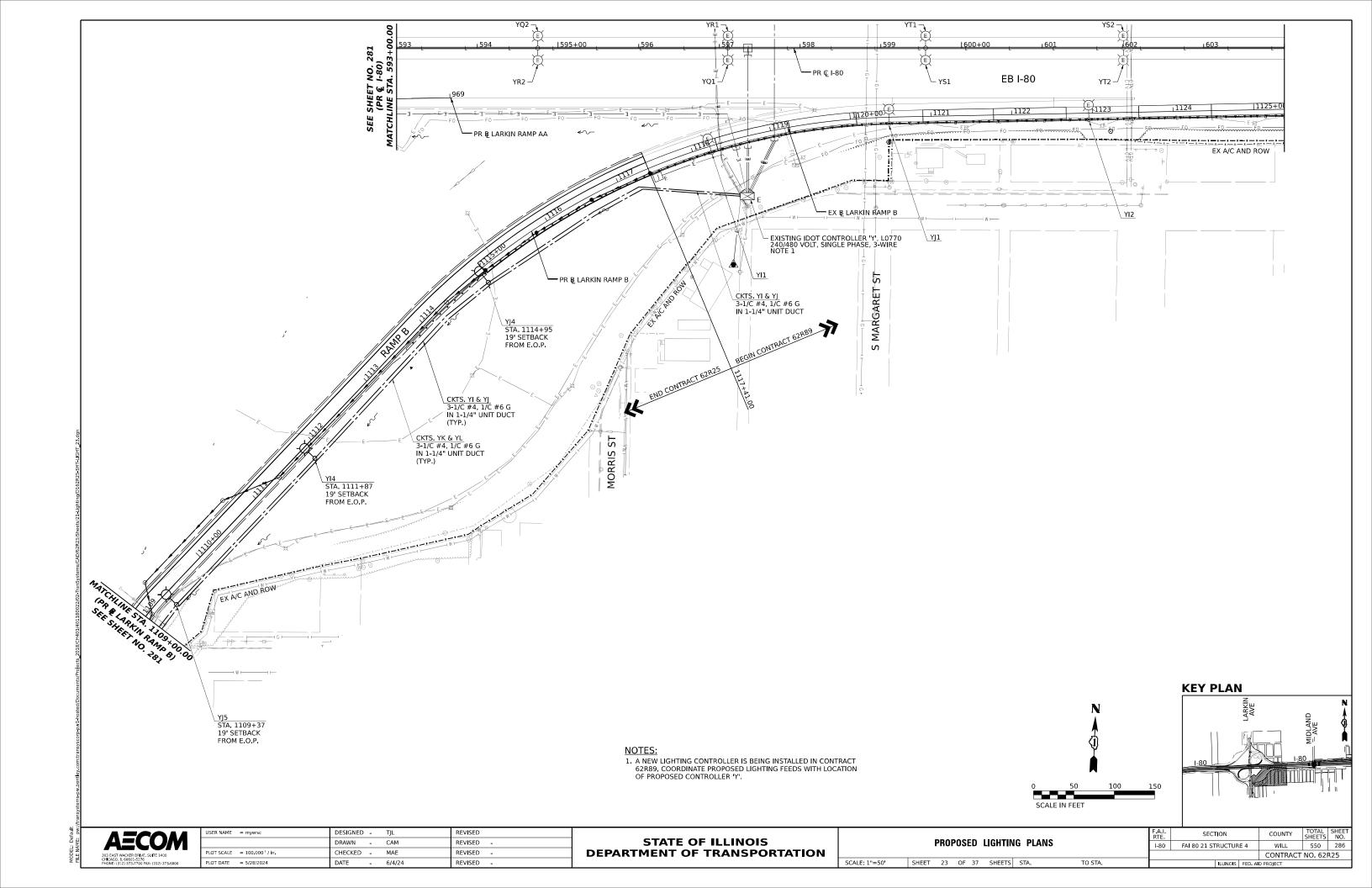
PROPOSED LIGHTING DIAMO							RTE	SEC	TION			
	PROPOSED LIGHTING PLANS								I-80	FAI 80 21 ST	FRUCTUR	E 4
	SHEET	18	OF	37	SHEETS	STA. 58+00	TO STA.	70+00			ILLINOIS	FEC

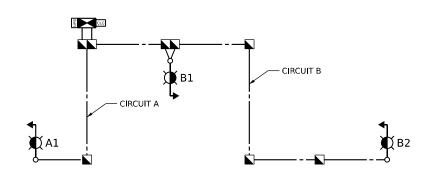






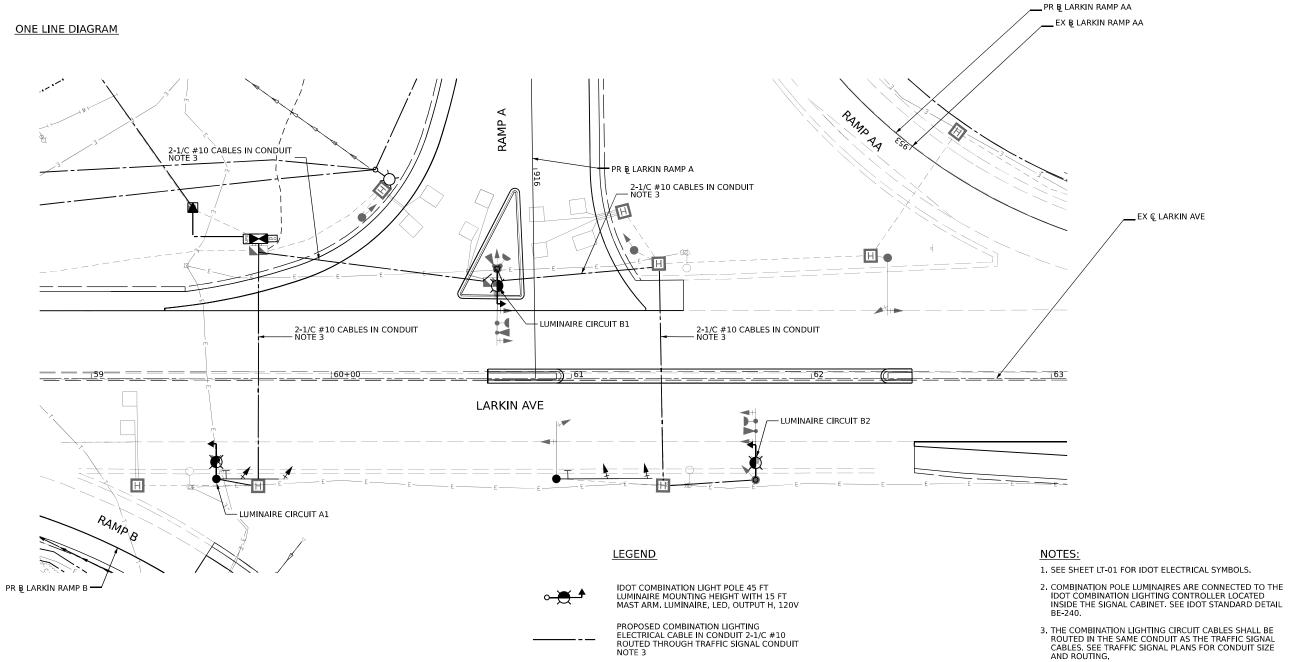






IDOT COMBO LIGHTING SCHEDULE OF QUANTIT DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	950
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	3
COMBINATION LIGHTING CONTROLLER	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	3





AECOM
303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800

USER NAME = myersc	DESIGNED - TJL	REVISED
	DRAWN - CAM	REVISED -
PLOT SCALE = 40.000 ' / in.	CHECKED - MAE	REVISED -
PLOT DATE = 5/30/2024	DATE - 6/4/24	REVISED -

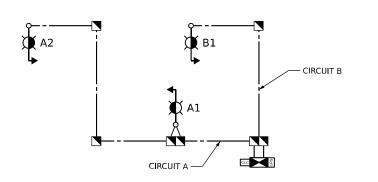
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

	IDOT PROPOSED LIGHTING COMBINATION PLAN						F.A.I. RTE					
							I-80	FAI 80 21 ST	FRUCTUR	E 4		
	LARKIN AVLINUE AT RAINT A											
	SCALE: 1"=20'	SHEET	24	OF	37	SHEETS	STA.	TO STA.			ILLINOIS	FED

COUNTY 550 287 WILL CONTRACT NO. 62R25

4. SEE TRAFFIC SIGNAL PLANS FOR EXACT LOCATIONS OF COMBINATION POLES. LIGHTING MAST ARMS SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED STEEL COMBINATION MAST ARM ASSEMBLY AND POLE PAY ITEM.

5. CIRCUIT DECALS SHALL NOT BE INSTALLED ON THE COMBINATION POLES. CIRCUITING SHOWN IS FOR REFERENCE ONLY,

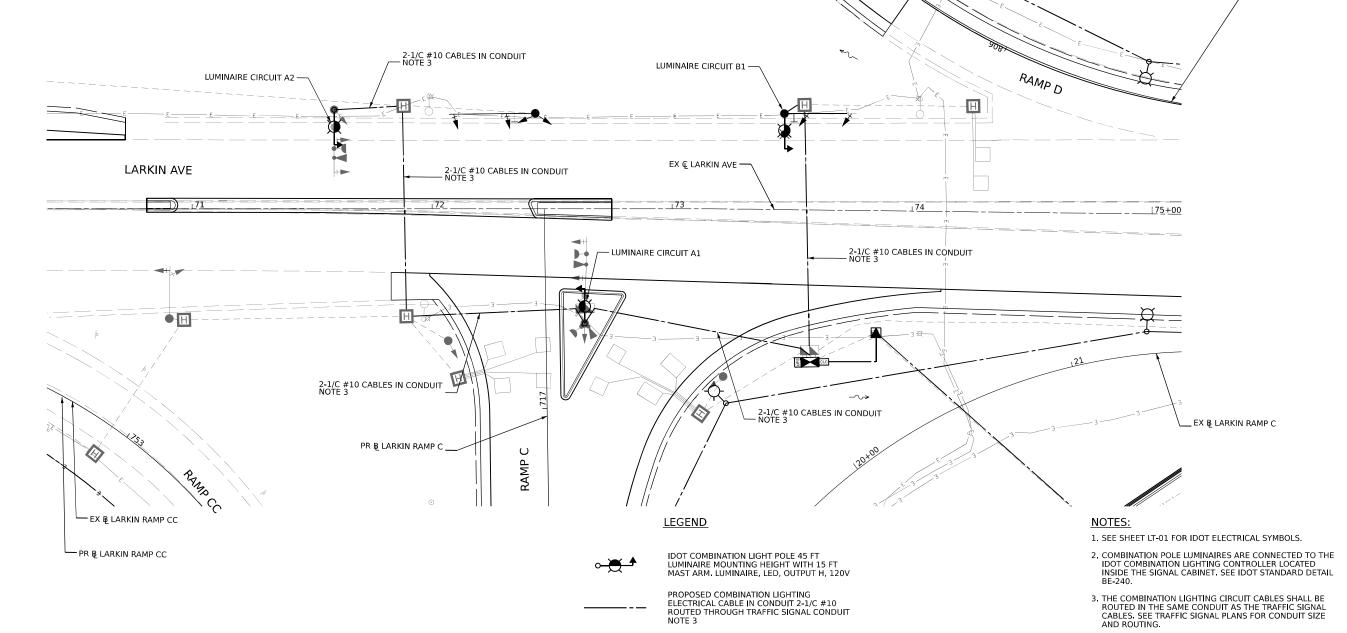


IDOT COMBO LIGHTING SCHEDULE OF QUANTIT	IES	
DESCRIPTION	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	900
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	3
COMBINATION LIGHTING CONTROLLER	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	3



PR & LARKIN RAMP D





AECOM

USER NAME = myersc	DESIGNED - TJL	REVISED
	DRAWN - CAM	REVISED -
PLOT SCALE = 40.000 ' / in.	CHECKED - MAE	REVISED -
PLOT DATE = 5/30/2024	DATE - 6/4/24	REVISED -

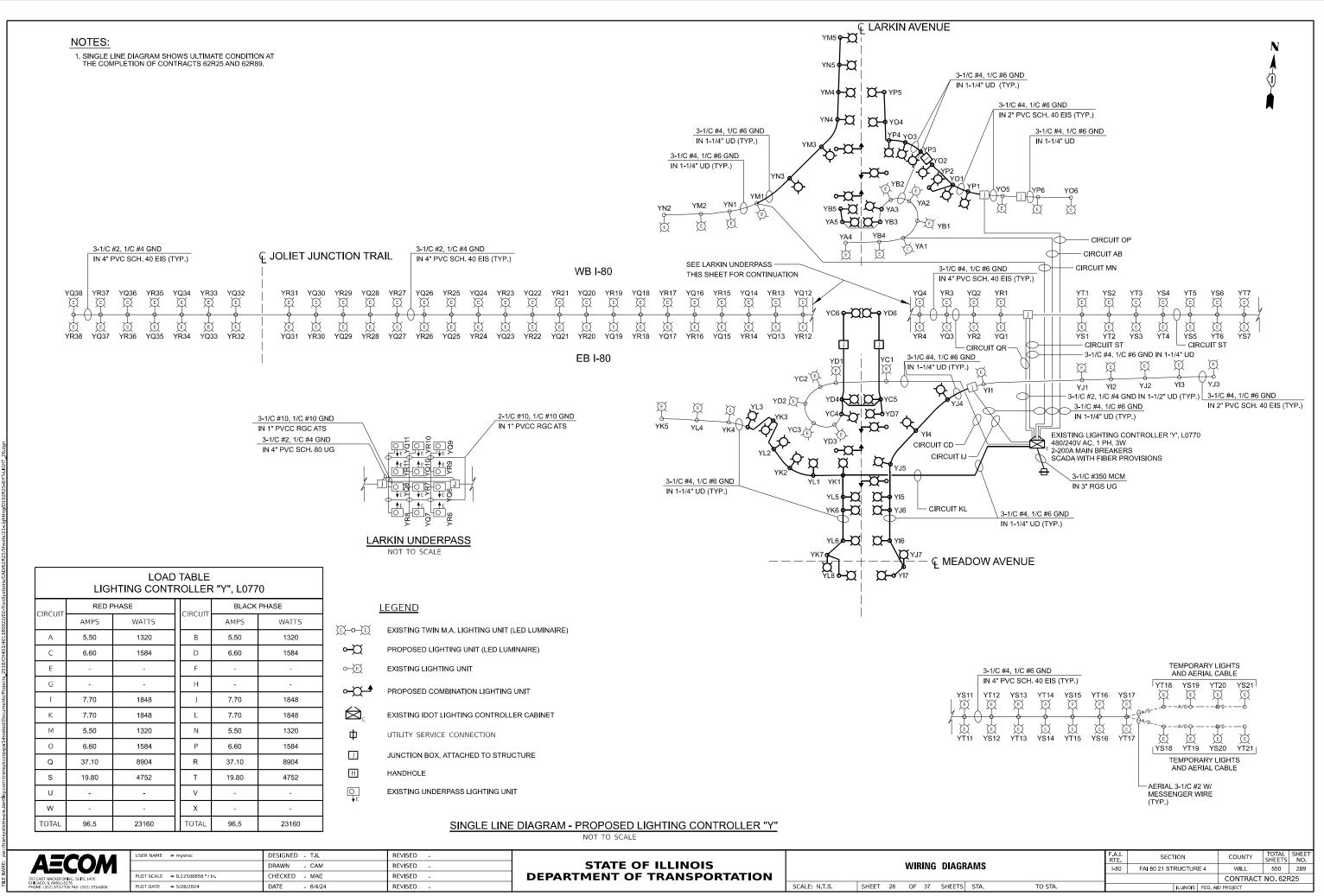
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

IDO	T PROF	POSED	LIGH	TING C	OMBINATION	I PLAN	
LARKIN AVENUE AT RAMP C							
SCALE: 1"=20'	SHEET	25	OF 37	SHEETS	STA.	TO STA.	

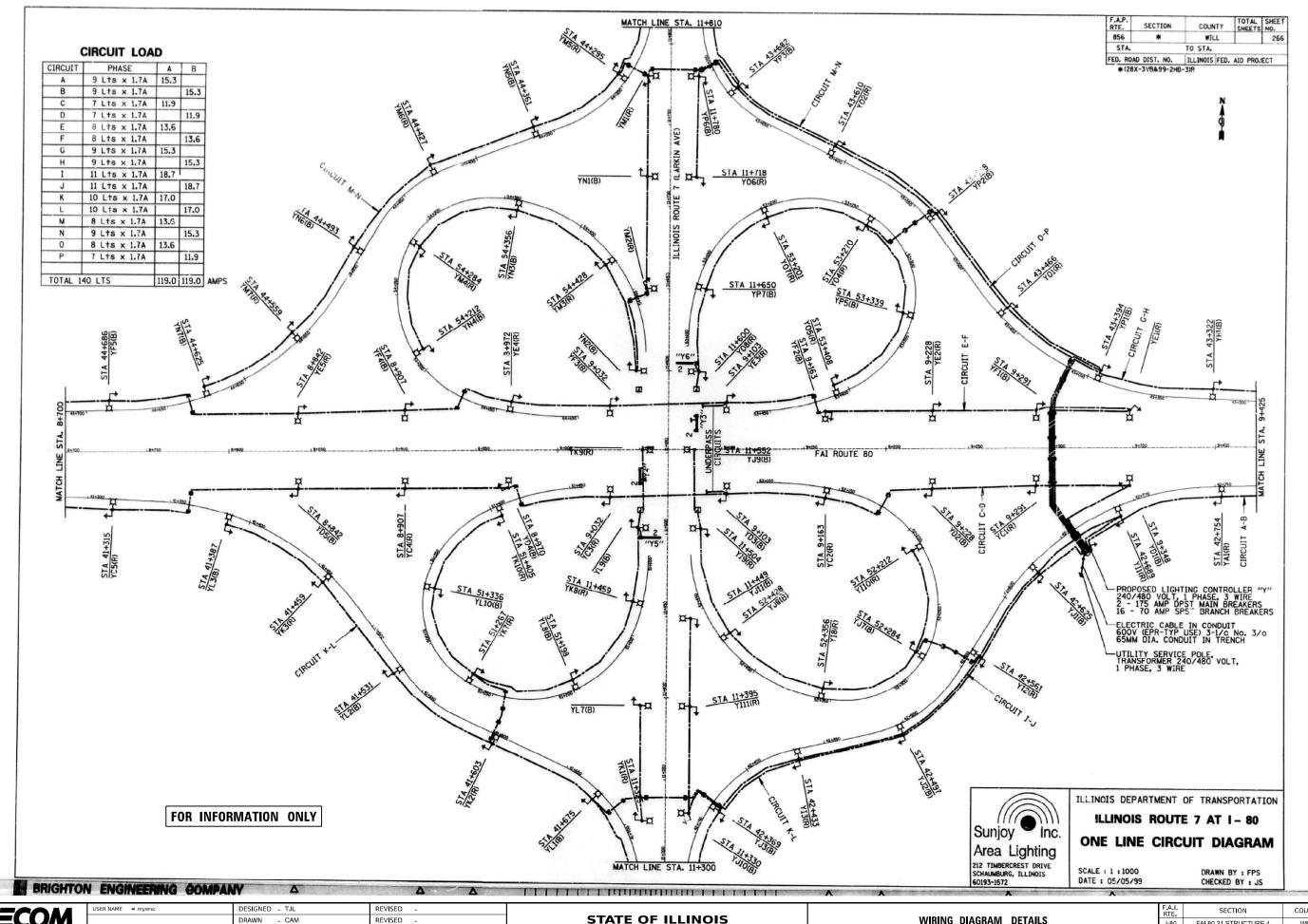
F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
I-80	FAI 80 21 STRUCTUR	E 4	WILL	550	288
			CONTRACT	NO. 621	325
	ILLINOIS	FED. Al	D PROJECT		

4. SEE TRAFFIC SIGNAL PLANS FOR EXACT LOCATIONS OF COMBINATION POLES, LIGHTING MAST ARMS SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED STEEL COMBINATION MAST ARM ASSEMBLY AND POLE PAY ITEM.

5. CIRCUIT DECALS SHALL NOT BE INSTALLED ON THE COMBINATION POLES. CIRCUITING SHOWN IS FOR REFERENCE ONLY.



MODEL: Untitled-1 [Sheet]



AECOM

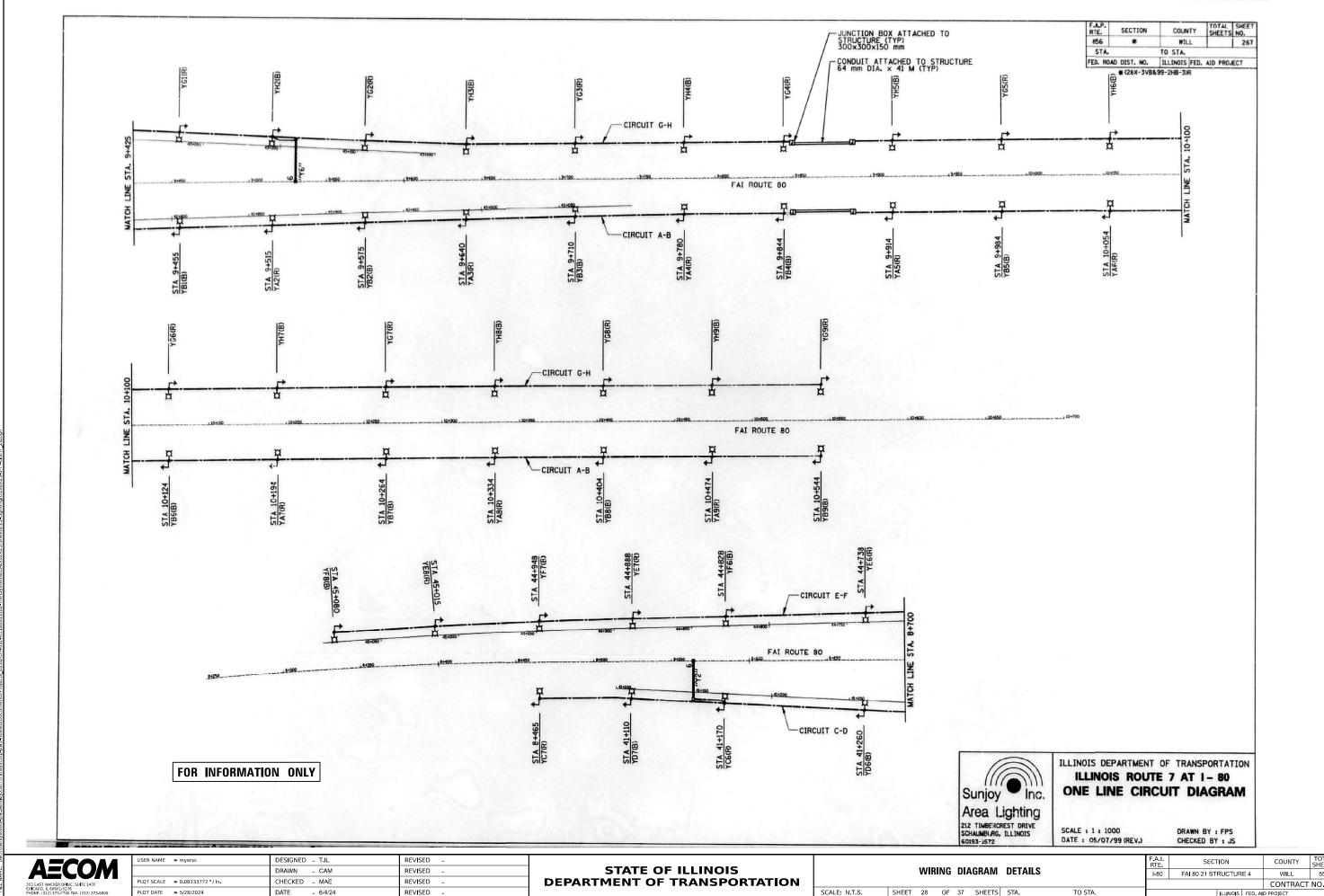
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

WIRING DIAGRAM DETAILS SHEET 27 OF 37 SHEETS STA. TO STA.

SCALE: N.T.S.

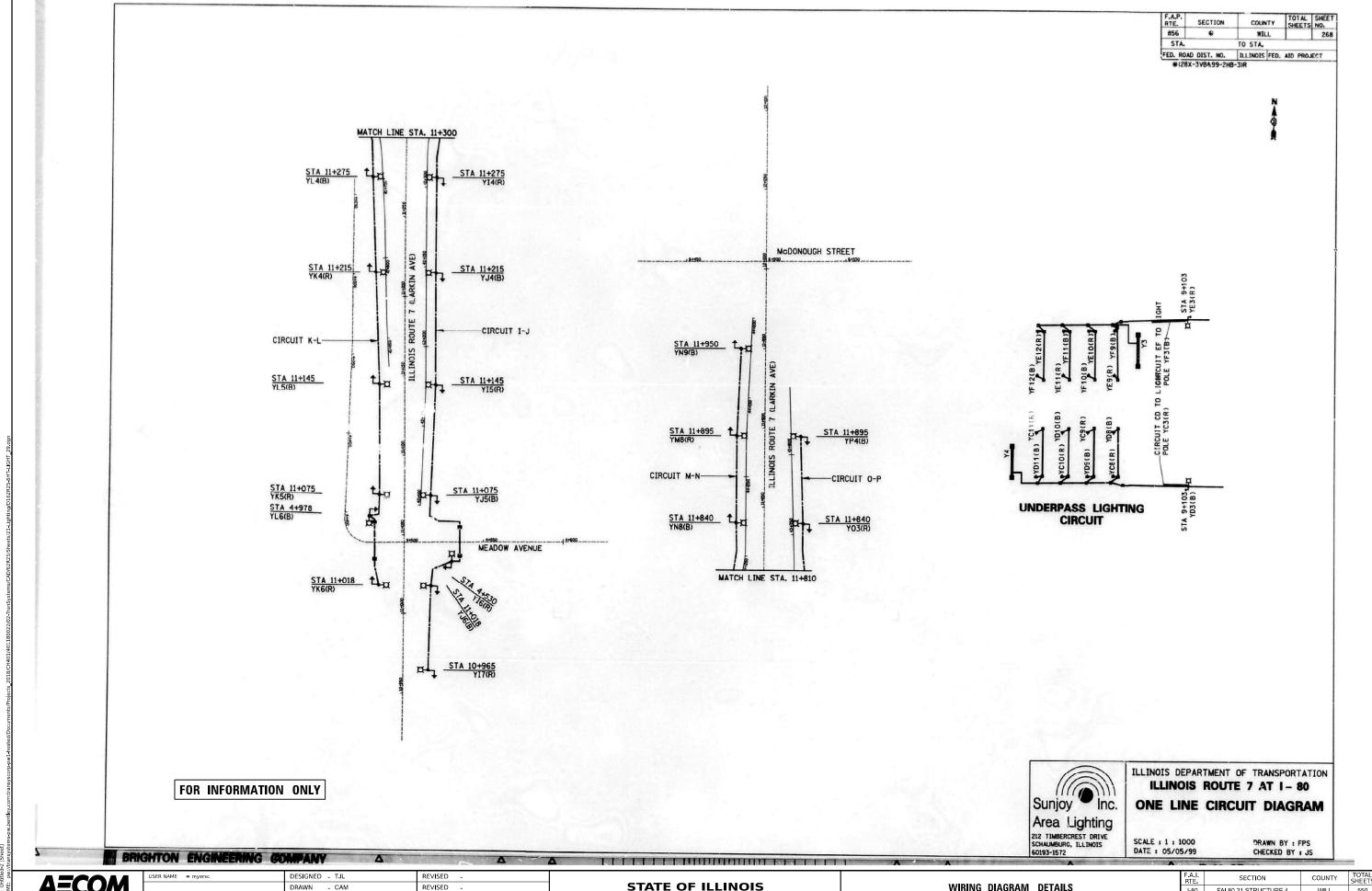
FAI 80 21 STRUCTURE 4 I-80 WILL 550 290 CONTRACT NO. 62R25



LOT SCALE = 0.08333772 '/in. CHECKED - MAE REVISED PLOT DATE = 5/28/2024 DATE REVISED

COUNTY TOTAL SHEETS NO.
WILL 550 291 CONTRACT NO. 62R25

SCALE: N.T.S. SHEET 28 OF 37 SHEETS STA.



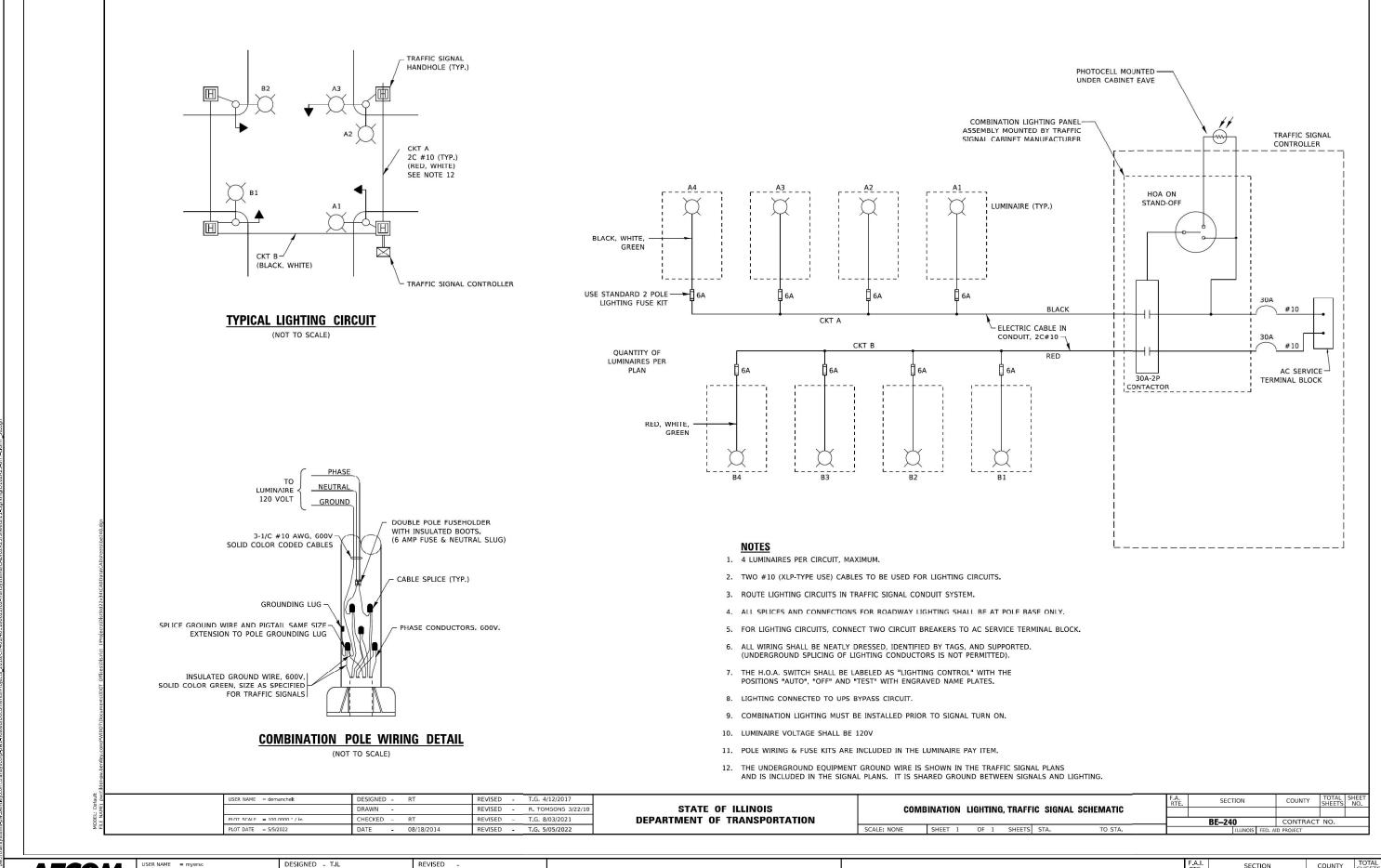
AECOM

LOT SCALE = 0.08333772 '/in. CHECKED - MAE REVISED REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION WIRING DIAGRAM DETAILS

TOTAL SHEET NO. 550 292 FAI 80 21 STRUCTURE 4 WILL CONTRACT NO. 62R25

SCALE: N.T.S. SHEET 29 OF 37 SHEETS STA.



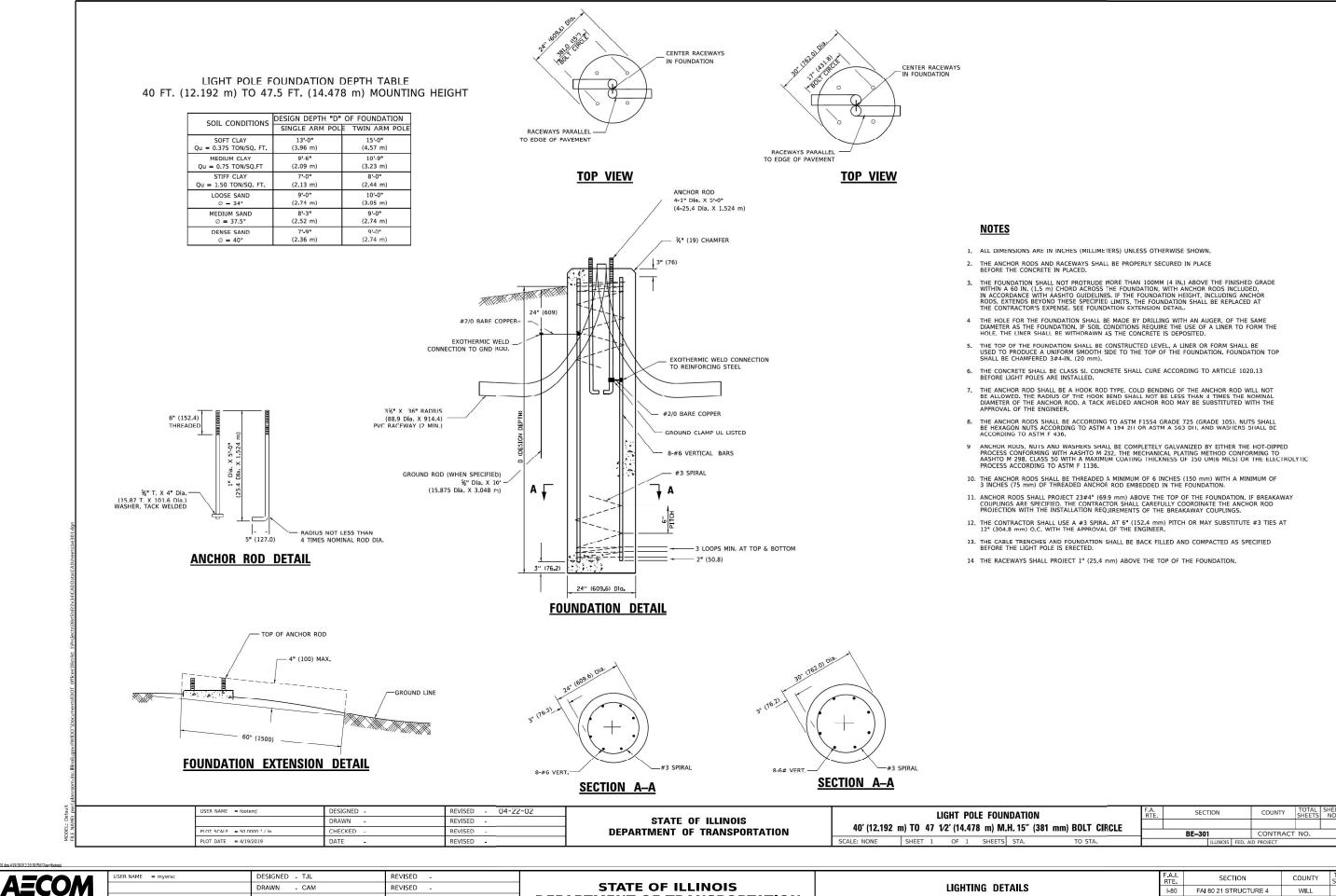
AECON
333 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60691-3276
PHONE: (312) 373-7700 FAX: (312) 373-6800

 USER NAME
 = myersc
 DESIGNED
 - TJL
 REVISED

 PLOT SCALE
 = 0.08333772 '/in.
 CHECKED
 - MAE
 REVISED

 PLOT DATE
 = 5/28/2024
 DATE
 - 6/4/24
 REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

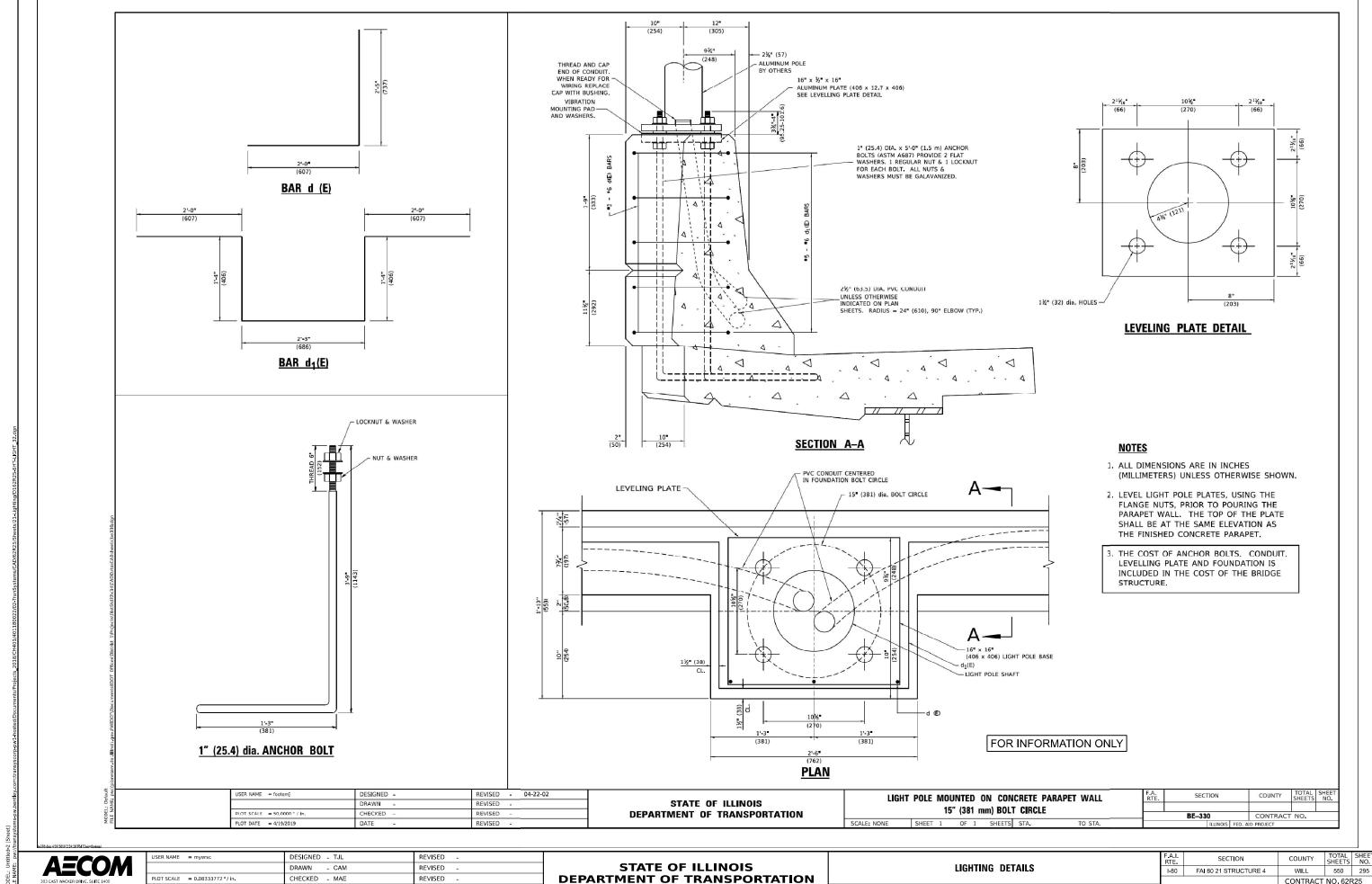


DRAWN - CAM REVISED CHECKED - MAE REVISED REVISED PLOT DATE = 5/28/2024 DATE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.

SECTION COUNTY LIGHTING DETAILS 1-80 FAI 80 21 STRUCTURE 4 WILL 550 294 CONTRACT NO. 62R25 SHEET 31 OF 37 SHEETS STA. TO STA.



SCALE: N.T.S.

SHEET 32 OF 37 SHEETS STA.

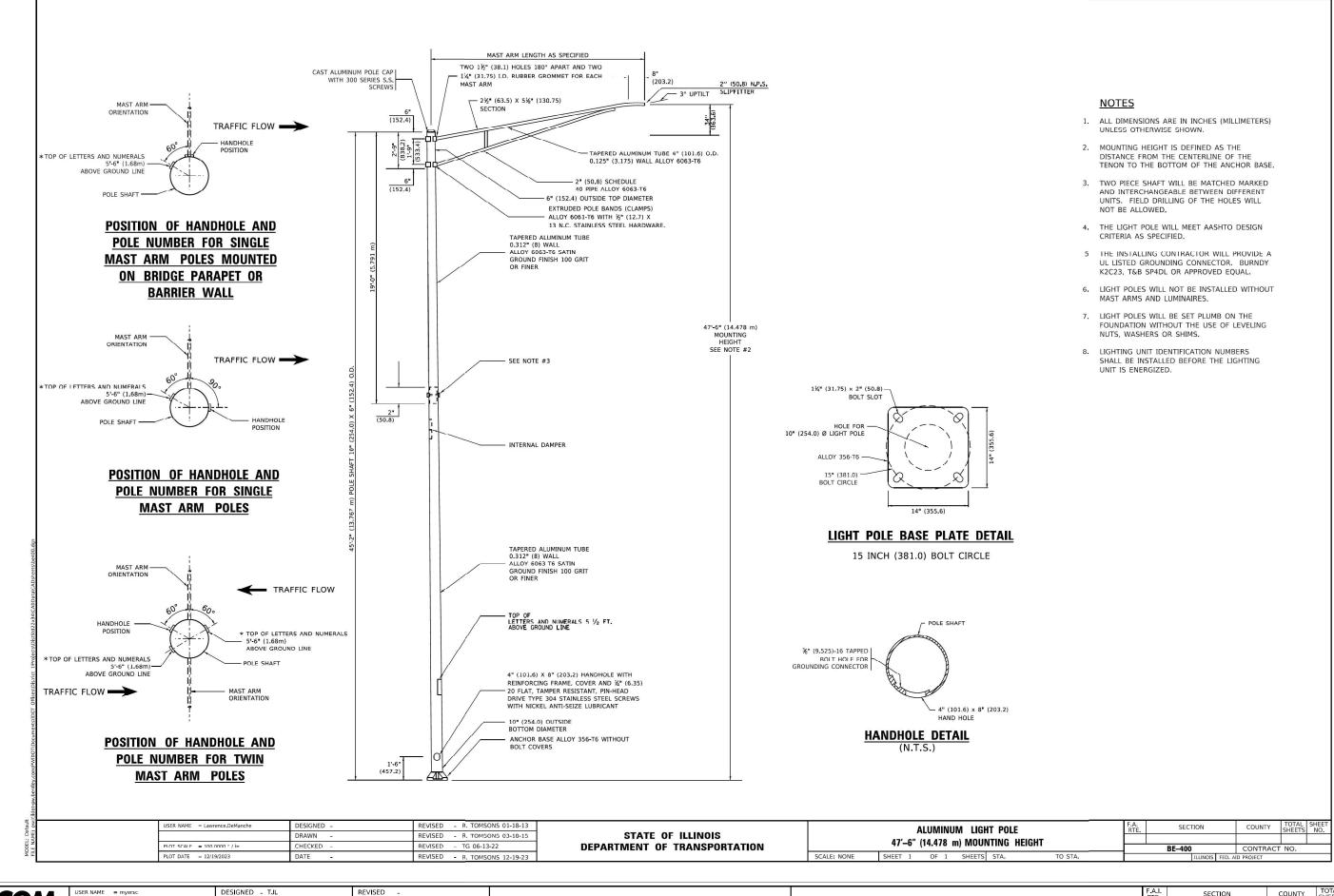
TO STA.

CONTRACT NO. 62R25

PLOT DATE = 5/28/2024

DATE

REVISED



AECON
333 EAST WACKER DRIVE, SUITE 1400
CHICACO, L. 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

 USER NAME
 = myersc
 DESIGNED
 - TJL
 REVISED

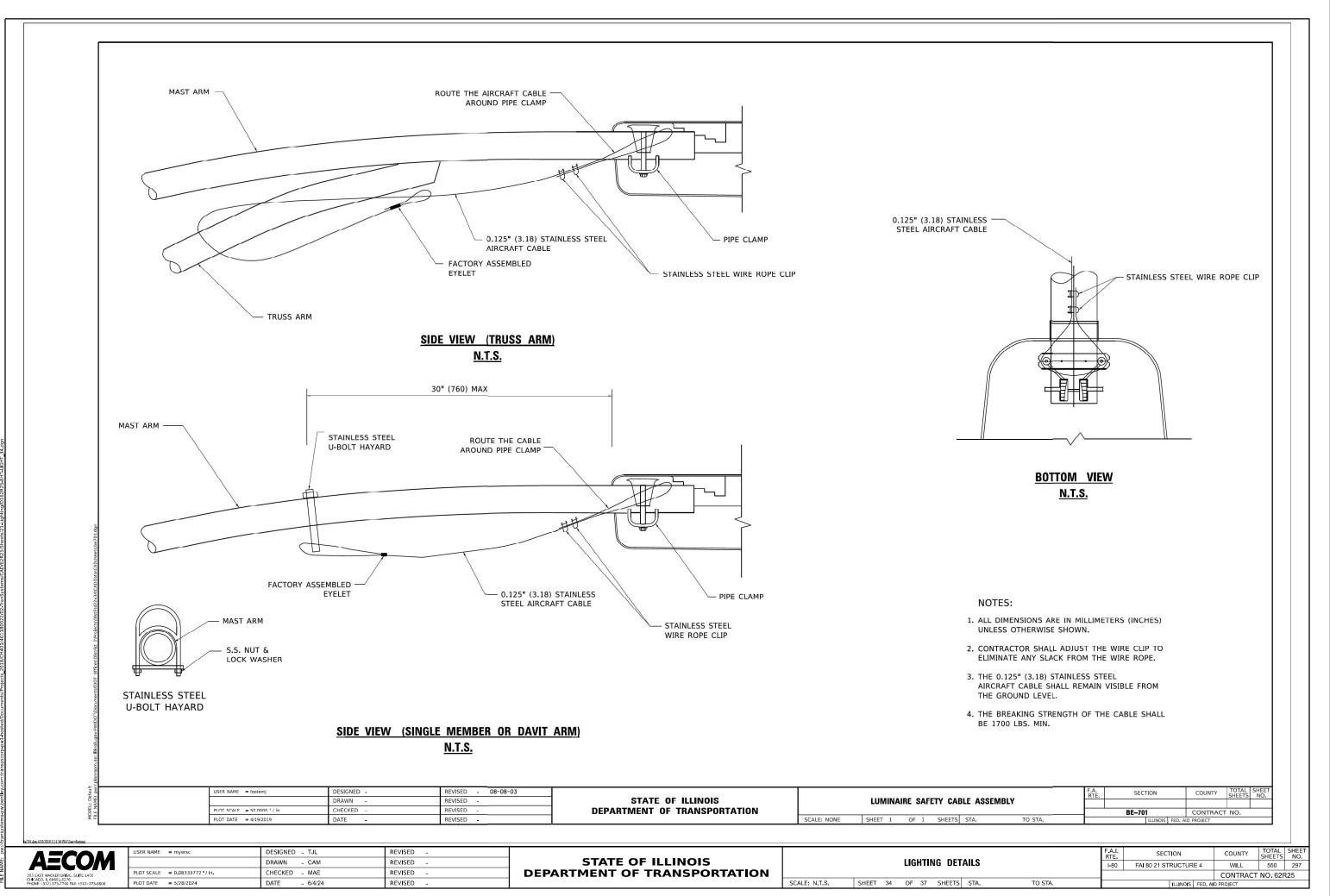
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 REVISED

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 REVISED

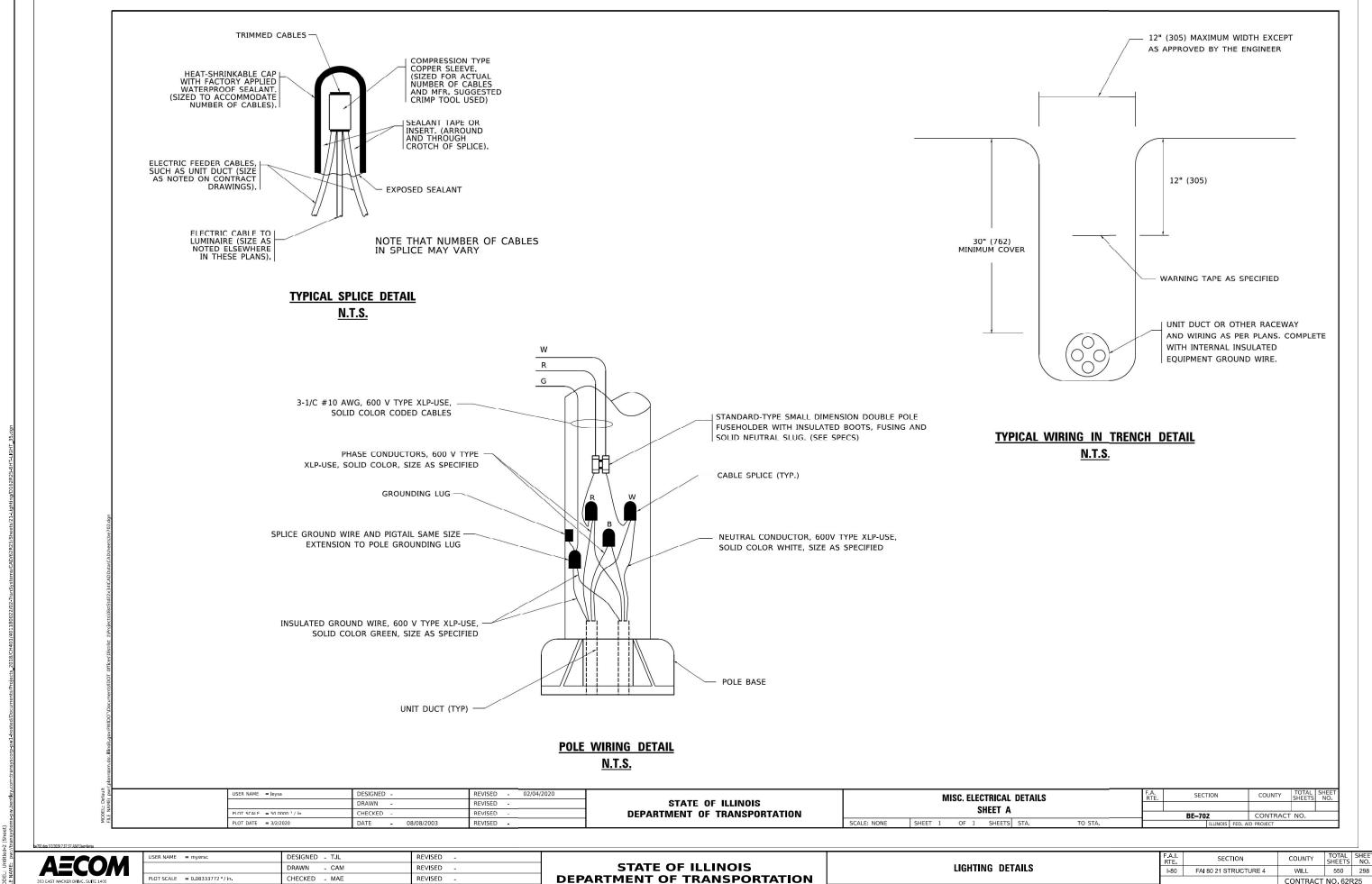
 PLOT DATE
 = 5/28/2024
 DATE
 - 6/4/24
 REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.



MODEL: Untitled-2 [Sheet]



SCALE: N.T.S.

SHEET 35 OF 37 SHEETS STA.

TO STA.

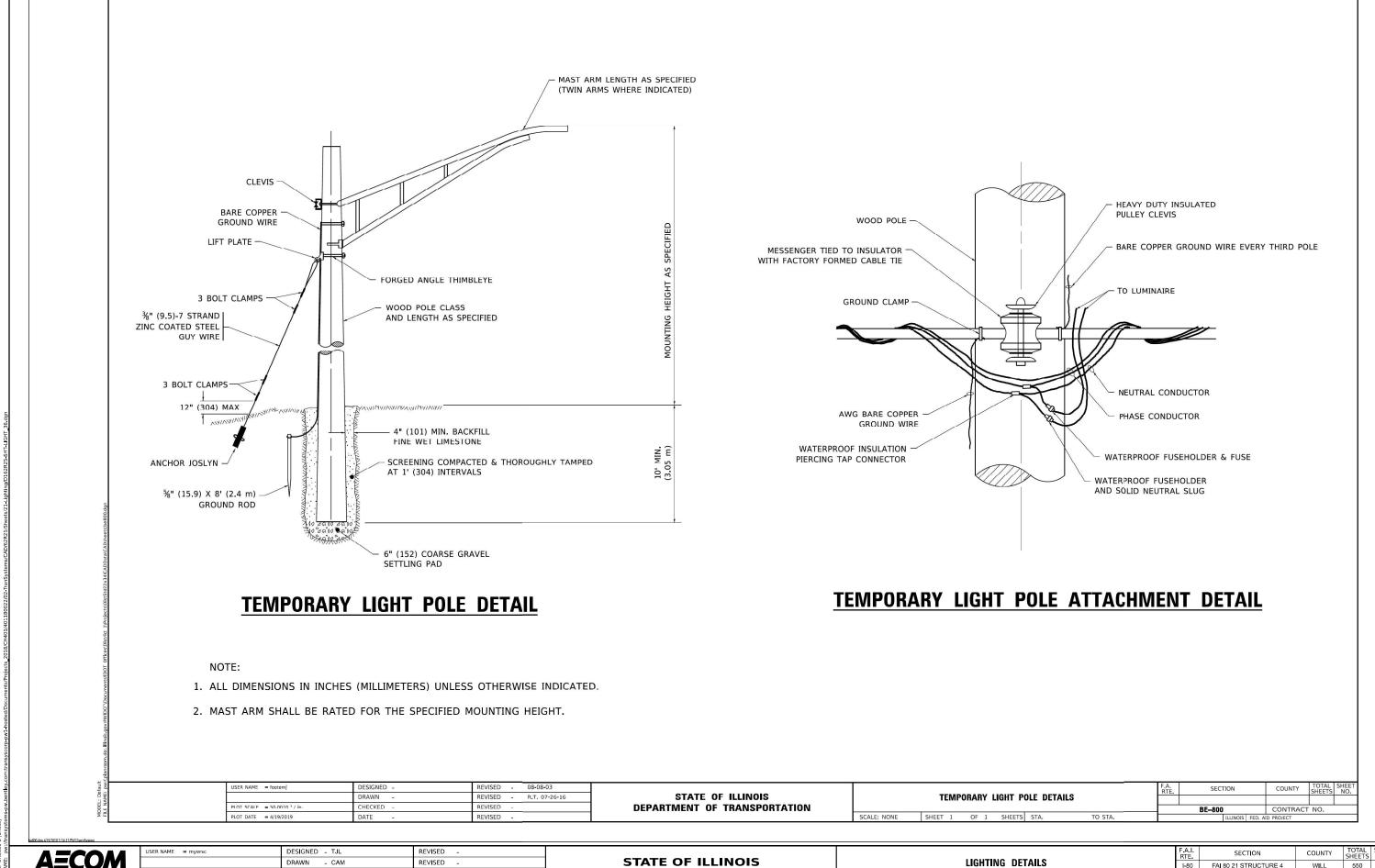
CONTRACT NO. 62R25

PLOT DATE = 5/28/2024

DATE

- 6/4/24

REVISED



DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

SHEET 36 OF 37 SHEETS STA.

SCALE: N.T.S.

FAI 80 21 STRUCTURE 4

WILL

550 299

CONTRACT NO. 62R25

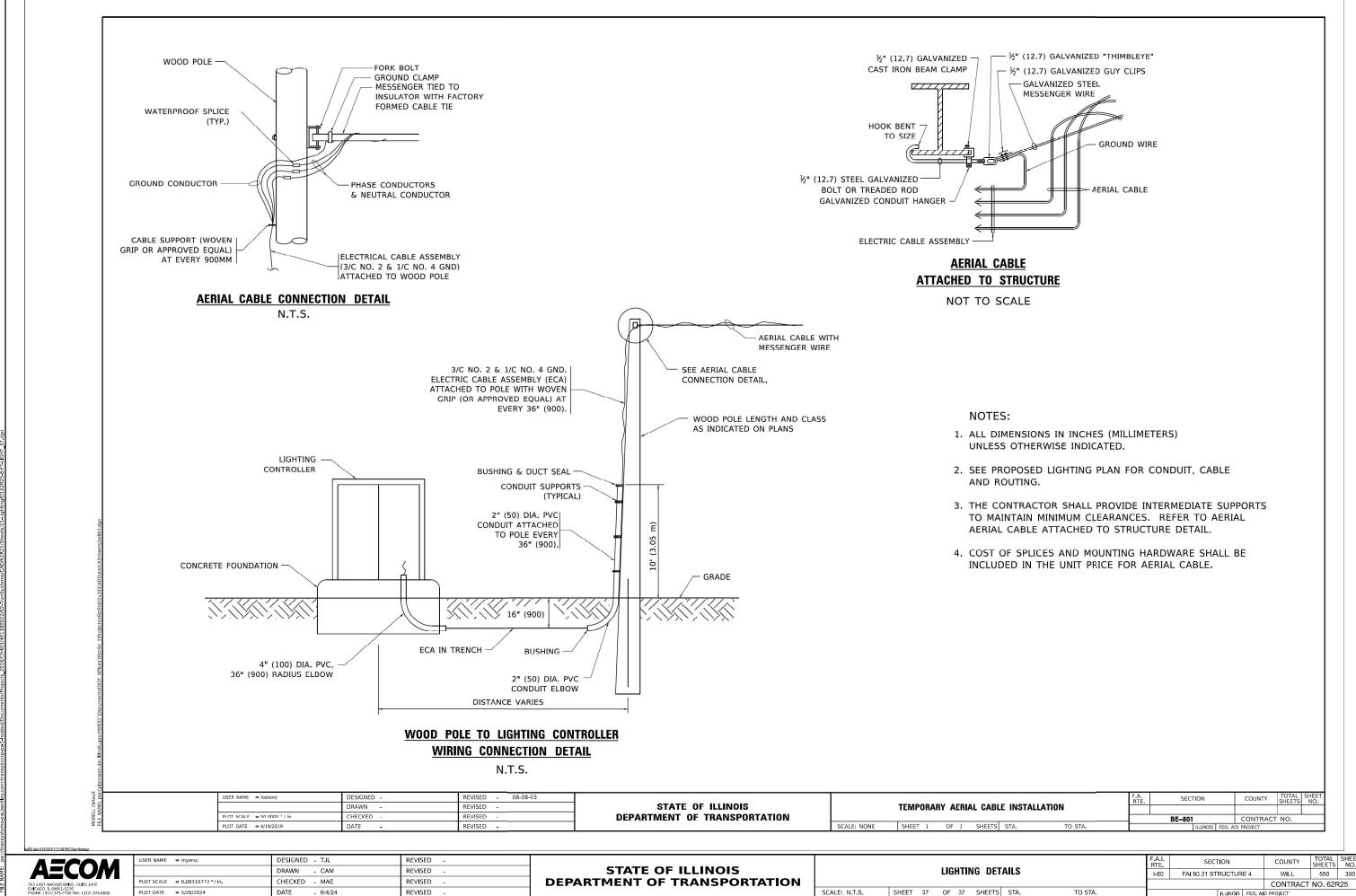
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CHECKED - MAE

REVISED

REVISED

REVISED



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