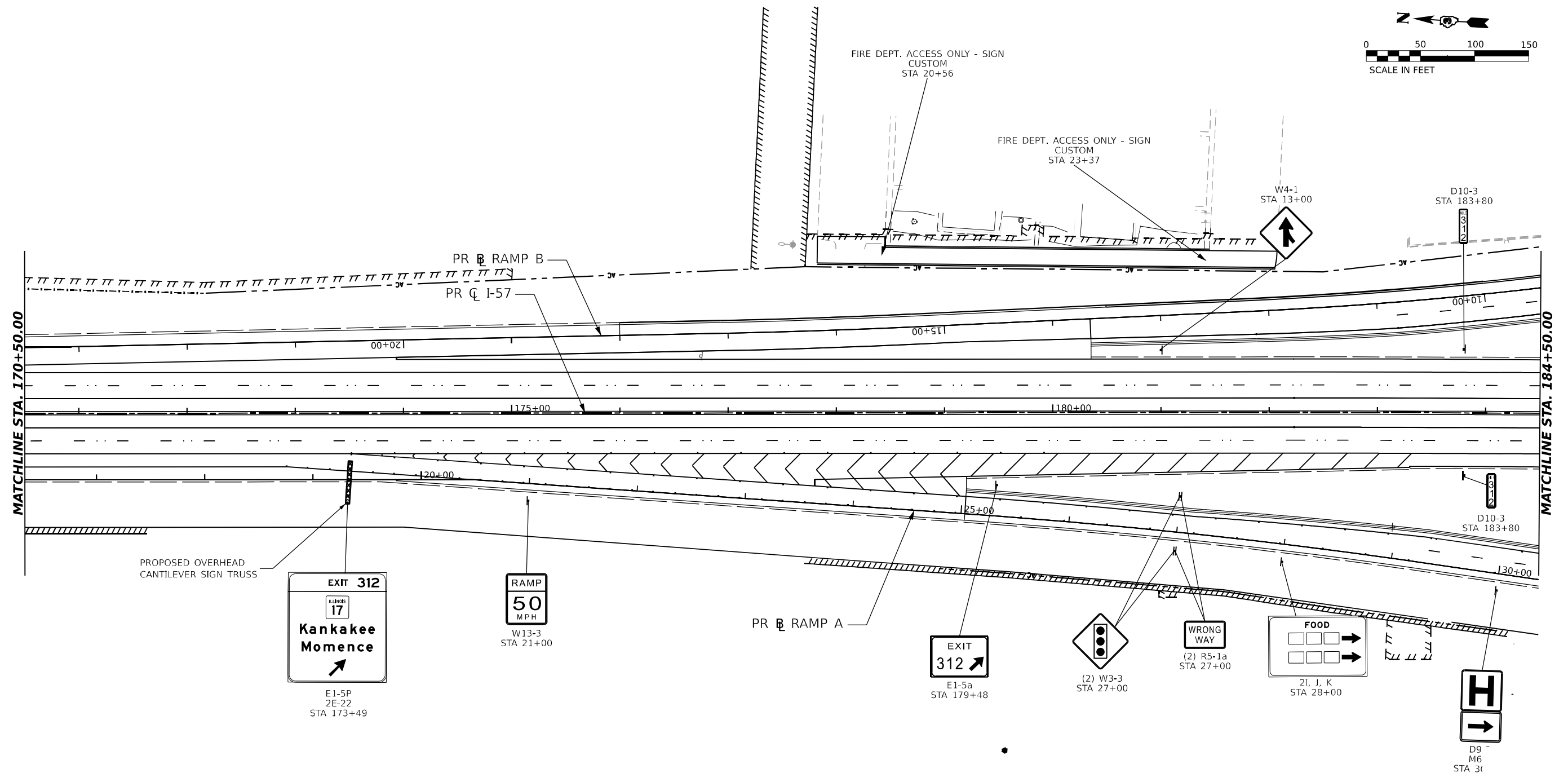
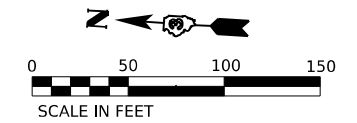




LEGEND



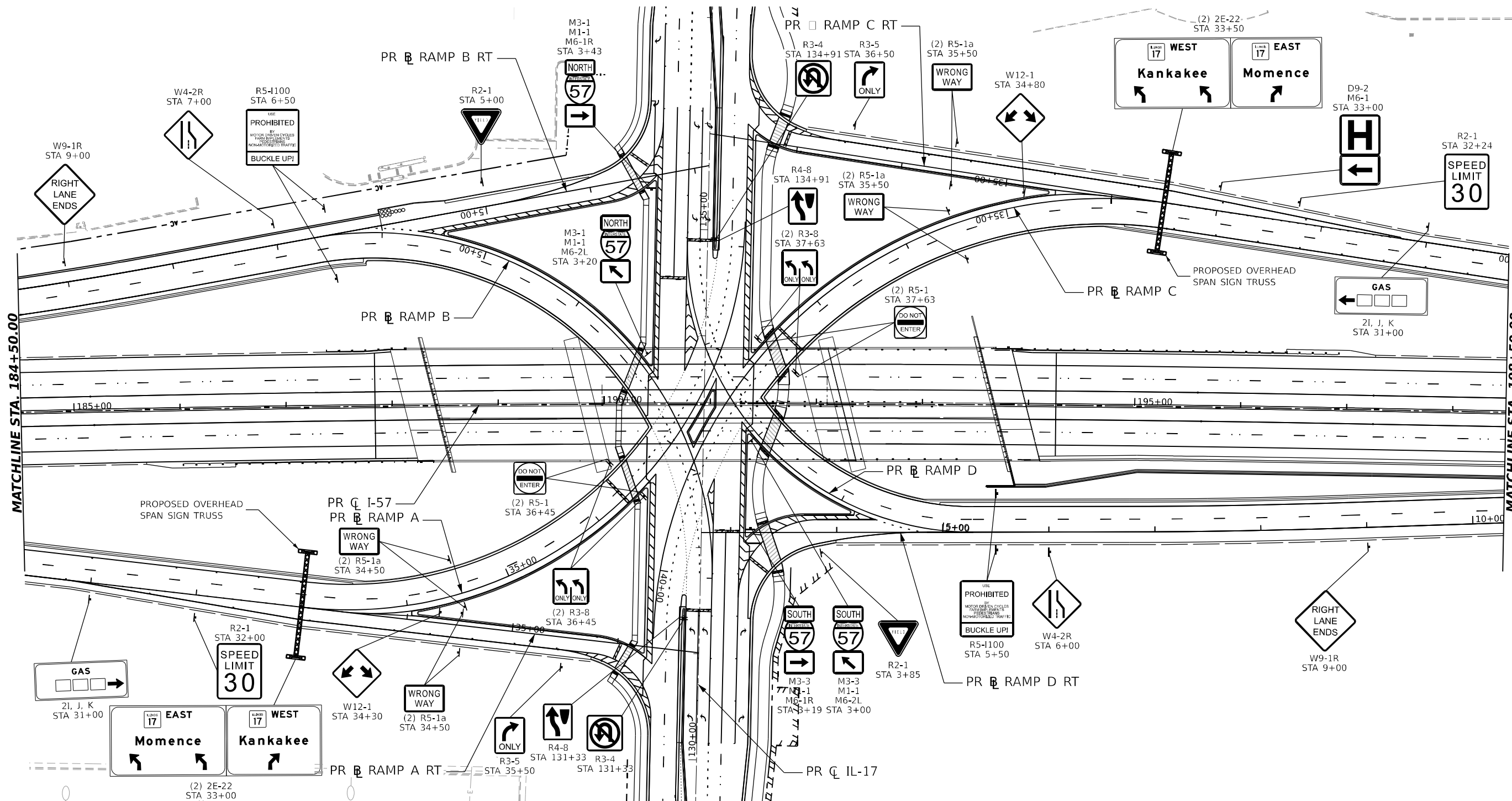
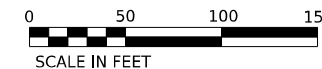
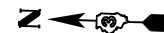
USER NAME	■ SALASL	DESIGNED	- TS	REVISED	-
		DRAWN	- TS	REVISED	-
PLOT SCALE	■ 0.166666" / IN.	CHECKED	- FN	REVISED	-
PLOT DATE	■ 4/23/2026	DATE	04/22/2026	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING PLANS I-57 AND RAMPS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	501
		CONTRACT NO. 66863		
		ILLINOIS FED. AID PROJECT		



LEGEND

	EXISTING SIGN TO REMAIN
	PROPOSED SIGN



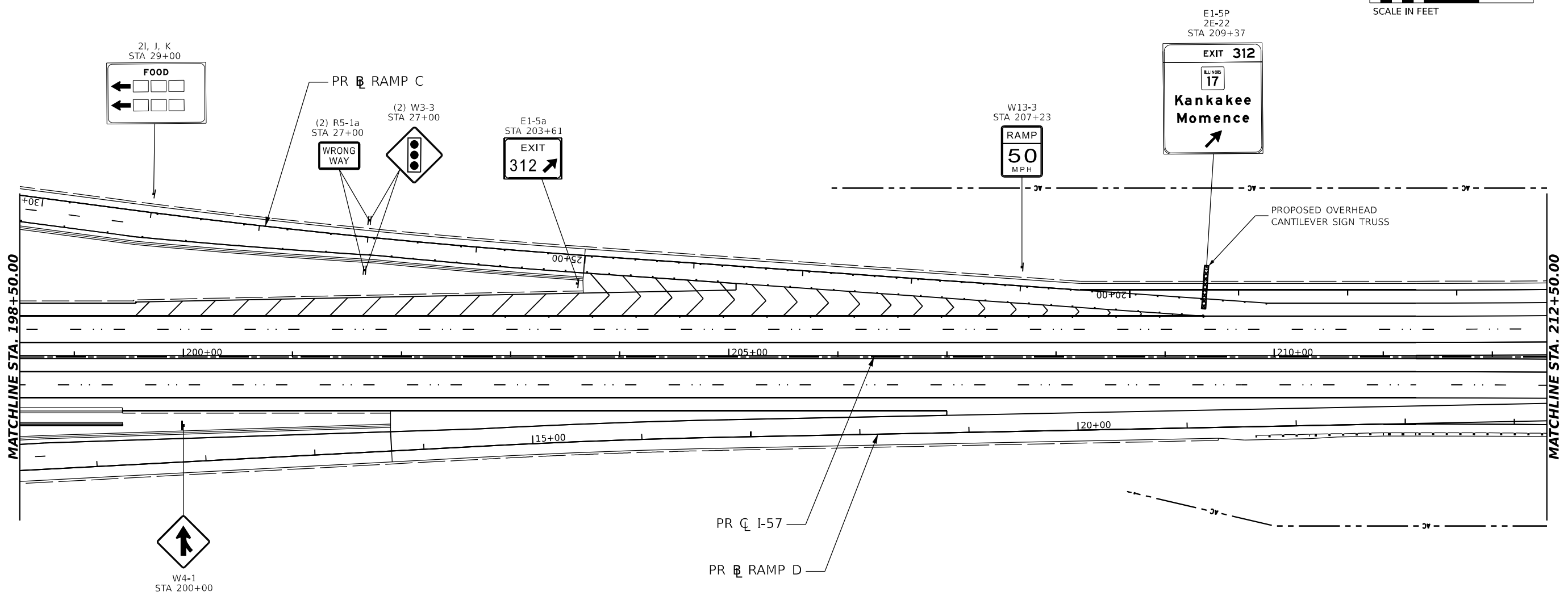
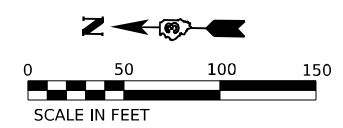
USER NAME	= SALASL
DESIGNED	- TS
DRAWN	- TS
CHECKED	- FN
DATE	- 04/22/2026
PLOT SCALE	= 0.166666"/IN.
PLOT DATE	= 4/23/2026

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
I-57 AND RAMPS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	502
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



LEGEND

SPEED LIMIT
30

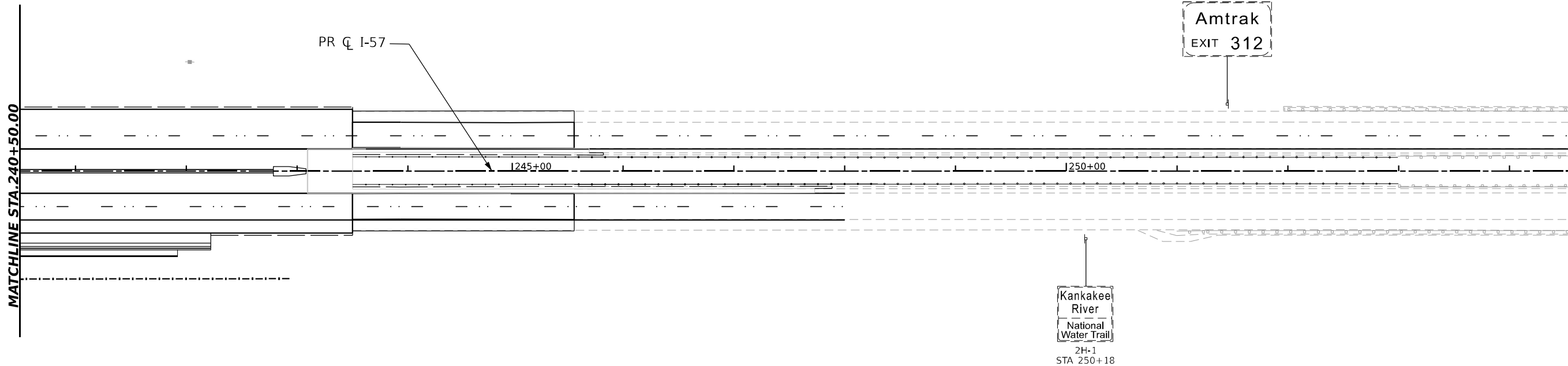
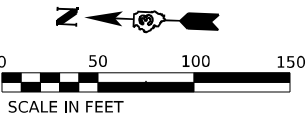
EXISTING SIGN TO REMAIN

SPEED LIMIT
30

PROPOSED SIGN

MODEL: PR I-57 SINGLE SINGLE PLAN 05
FILE NAME: C:\P\WORK\KANKAKEE\TEXT\EX.COM E:\94\W401\DO1412\UD36863-SHT-SIGN PR-I-57 04.DGN

 QUIGG ENGINEERING INC	USER NAME = SALASL	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING PLANS I-57 AND RAMPS					F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TS	REVISED -							57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	503
	PLOT SCALE = 0.166666" / IN.	CHECKED - FN	REVISED -							CONTRACT NO. 66863				
	PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -							SCALE: 1"=50' SHEET . OF SHEETS STA. TO STA.				



LEGEND

SPEED LIMIT

30

EXISTING SIGN TO REMAIN

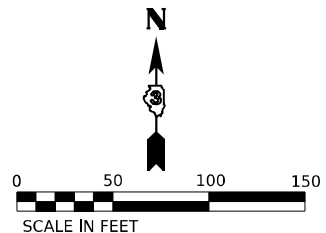
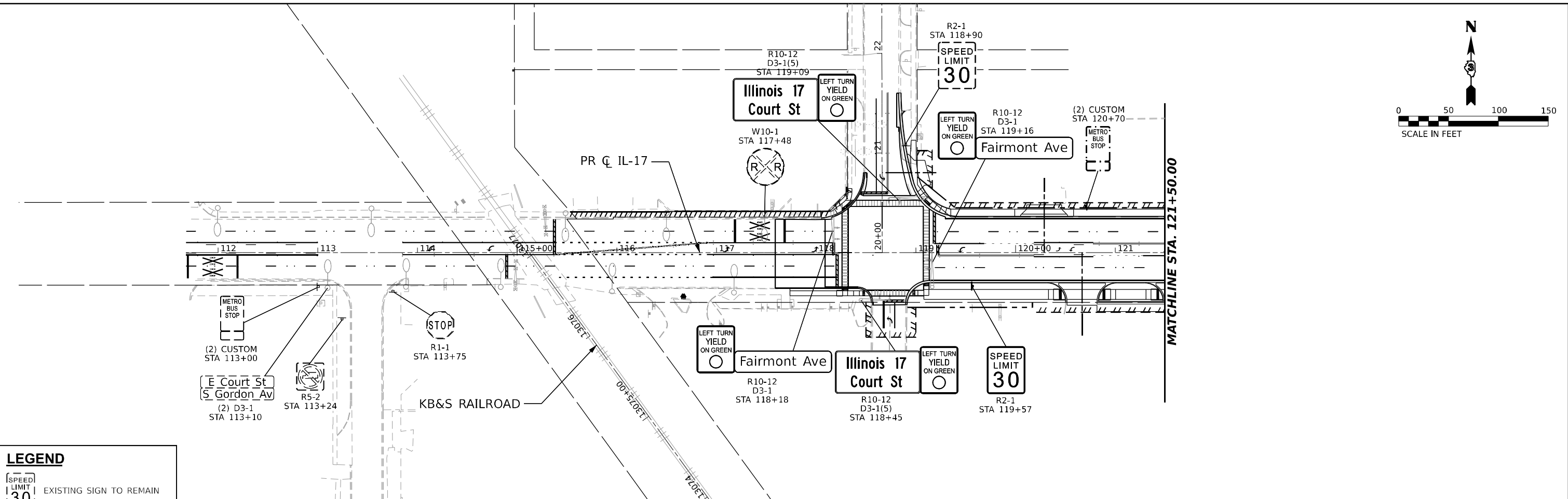
SPEED LIMIT

30

PROPOSED SIGN

MODEL PR I-57 DOUBLE - DBL RN 20
FILE NAME C:\PW\WORK\EX-2\WSEN\TEXT\COM EX-2\PW\201\DD1412\UD36863-SHT-SIGN PR-I-57 06.DGN

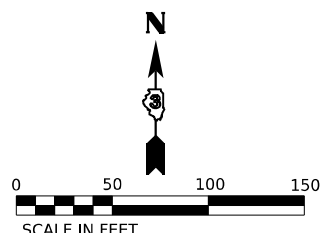
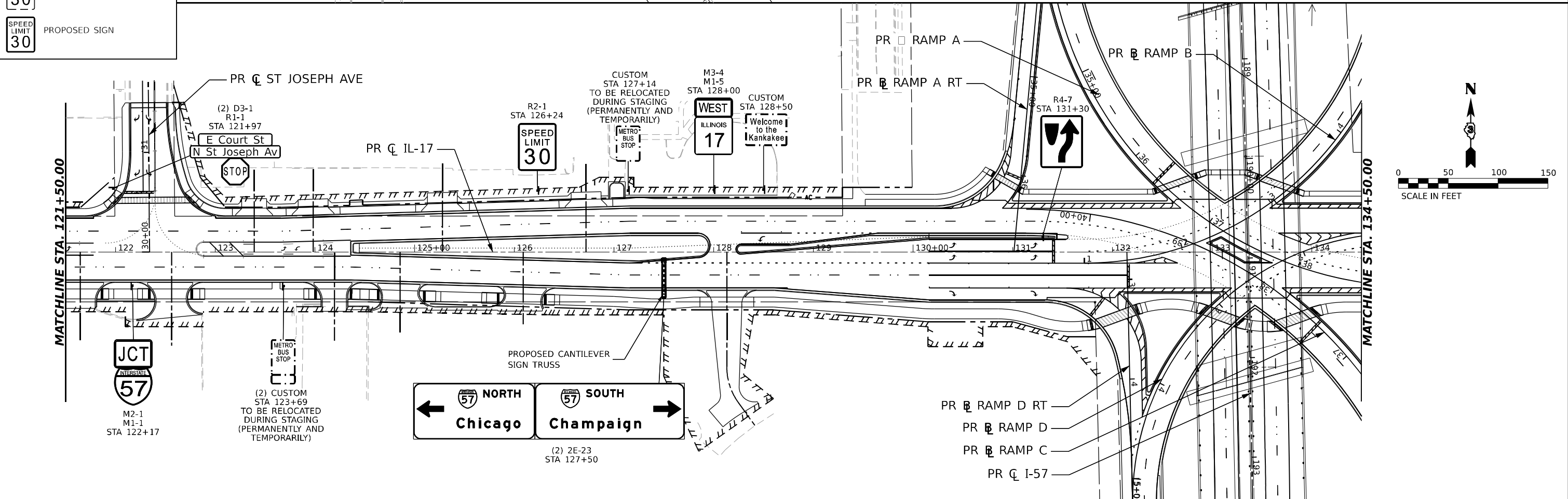
MODEL: IL 17 DOUBLE - DBL - PLAN 08-10
FILE NAME: C:\P\WORK\KANKAKEE\TEXT\EX\COM\EX-94\W401.D01\1412\UD36863-SHT-SIGN PLAN-17.DWG



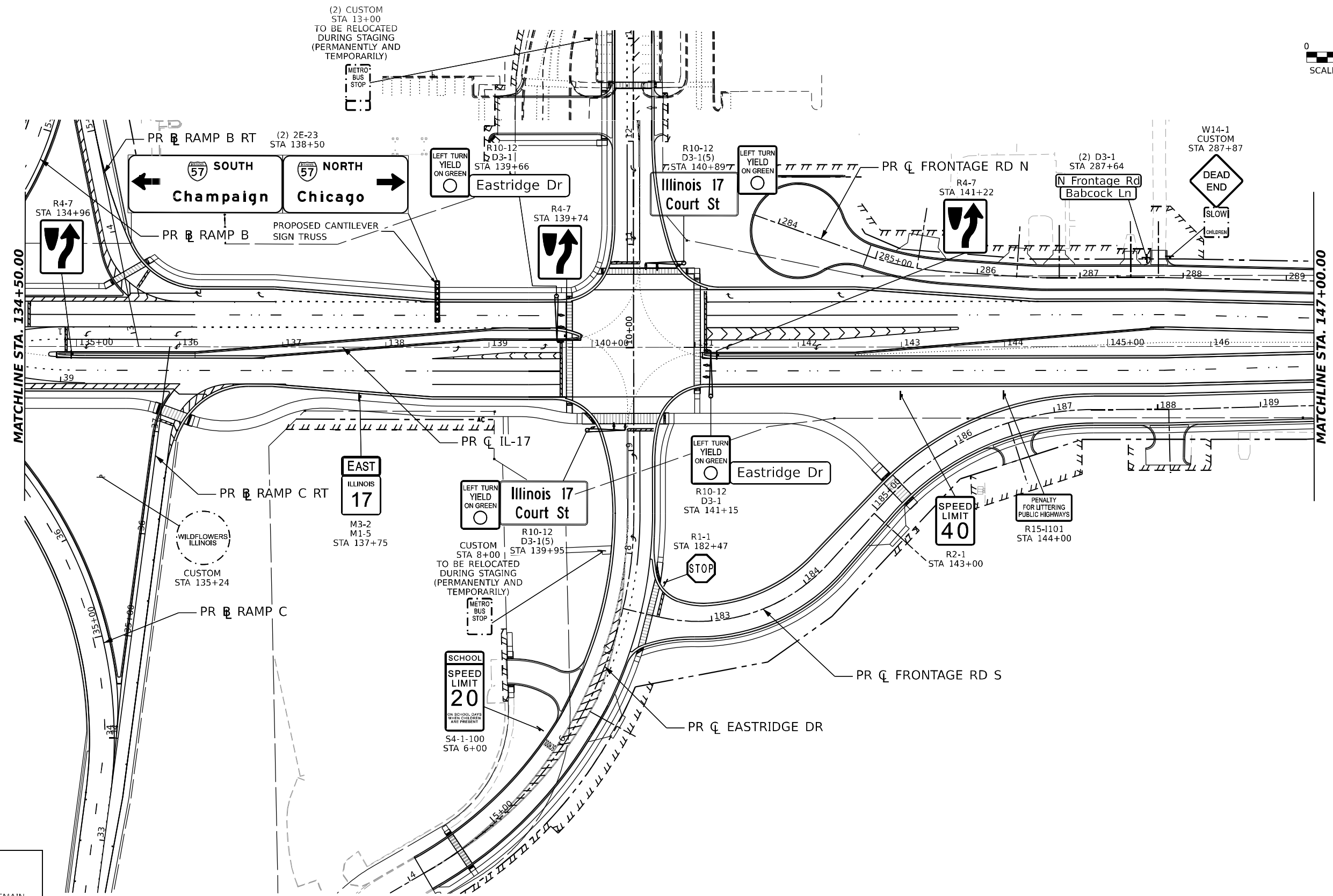
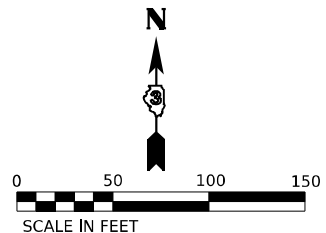
LEGEND

EXISTING SIGN TO REMAIN

PROPOSED SIGN



 QUIGG ENGINEERING INC	USER NAME = SALASL	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING PLANS ILLINOIS ROUTE 17				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TS	REVISED -						57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	506
	PLOT SCALE = 0.16666633 ' / IN.	CHECKED - FN	REVISED -		SCALE: 1"=50'				CONTRACT NO. 66863				
	PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -		SHEET . OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT						

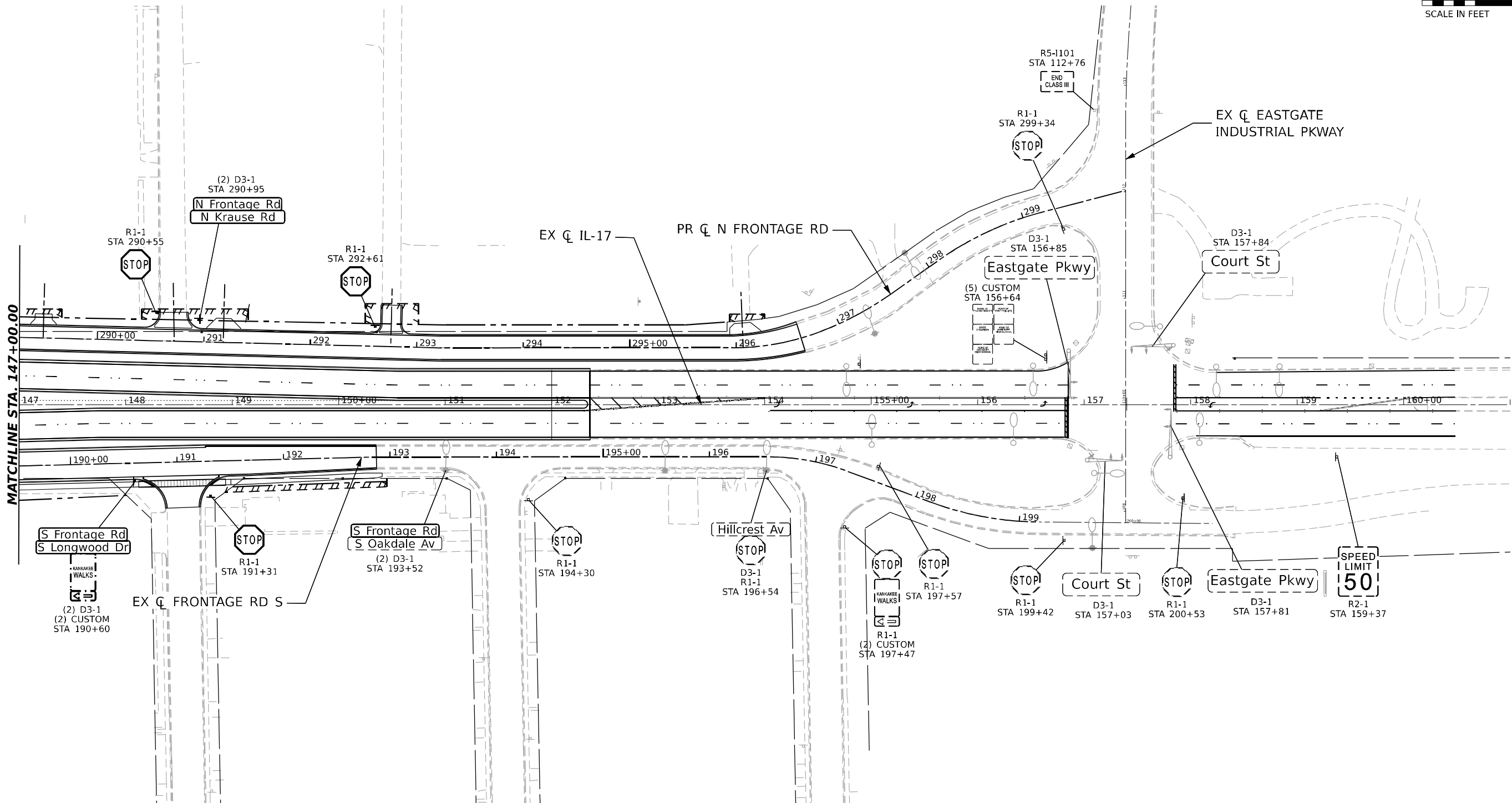
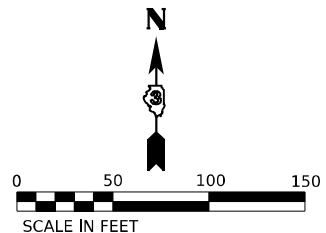


LEGEND

	EXISTING SIGN TO REMAIN
	PROPOSED SIGN

MODEL: IL 17 DOUBLE - PLAN 11
FILE NAME: C:\P\WORK\EX-24\BENTLEY.COM\EX-24\1412\UD36863-SHT-SIGN PLAN-11-17 02.DGN

	USER NAME = SALASL		DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING PLANS ILLINOIS ROUTE 17		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - TS		REVIS	REVISED -		SCALE: 1"=50'		57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	507
	PLOT SCALE = 0.16666633 1/ IN.		CHECKED - FN	REVISED -		SHEET . OF SHEETS STA. TO STA.		CONTRACT NO. 66863				
PLOT DATE = 4/23/2026		DATE - 04/22/2026		REVISED -					ILLINOIS FED. AID PROJECT			



LEGEND

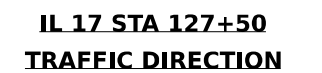
EXISTING SIGN TO REMAIN

PROPOSED SIGN

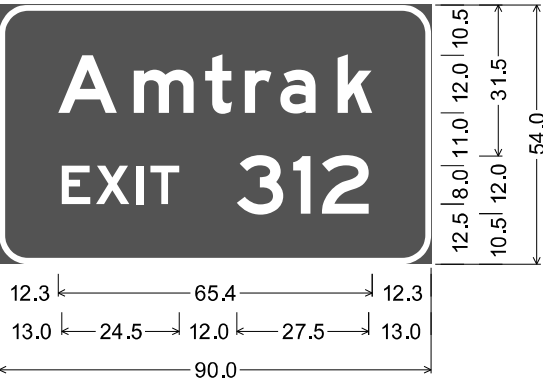
MODEL: IL17 DOUBLE - PLAN 12
FILE NAME: C:\P\WORK\EX-24\BENTLEY\COM EX-24\12\36863-SHT-SIGN PLAN-17 03.DGN

 QUIGG ENGINEERING INC	USER NAME = SALASL	DESIGNED - TS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING PLANS ILLINOIS ROUTE 17					F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.							
		DRAWN - TS	REVISED -							57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	508							
	PLOT SCALE = 0.16666633 ' / IN.	CHECKED - FN	REVISED -							CONTRACT NO. 66863											
	PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -							SCALE: 1"=50'					SHEET .	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	





I-57/L17 149 + 00

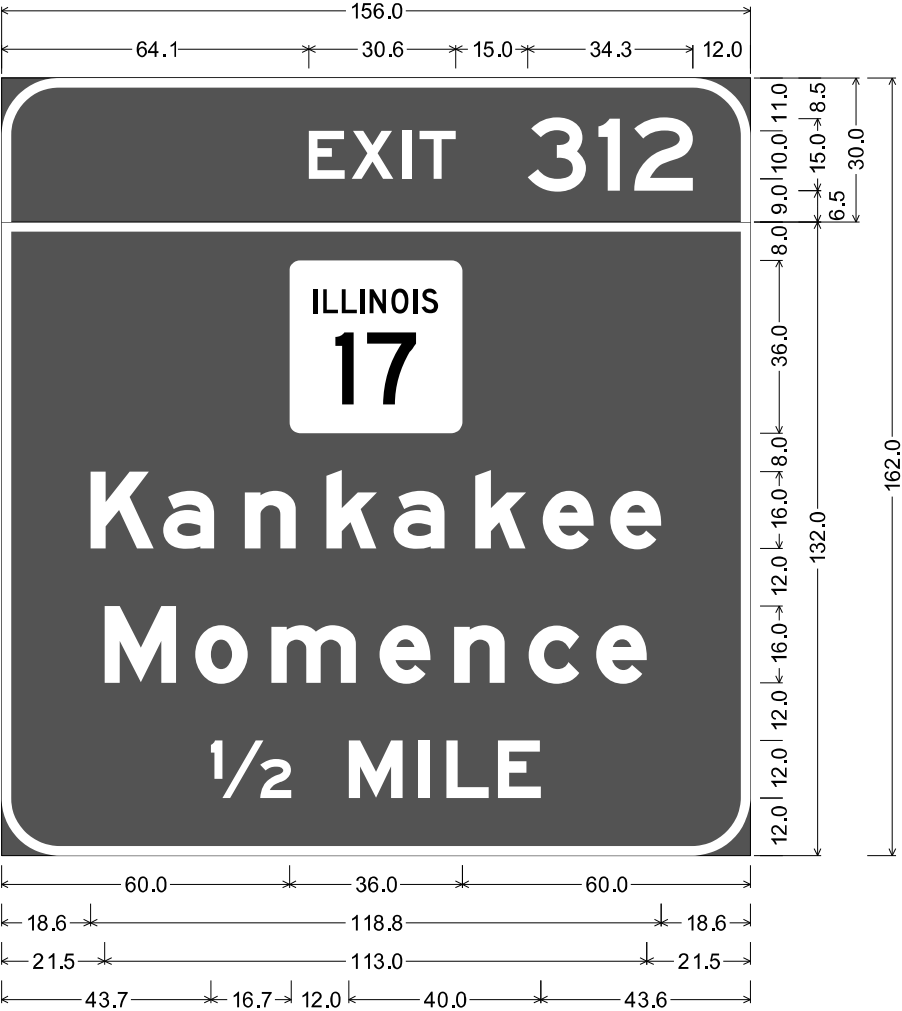


6.0" Radius, 1.3" Border, White on Green;
"Amtrak", E 2K 225% spacing;
"EXIT 312", E 2K;

Table of letter and object lefts

A	m	t	r	a	k
12.3	28.1	43.0	51.2	58.6	70.5
E	X	I	T	3	1
13.0	20.1	28.7	31.5	49.5	61.3

I-57/L 17 157 + 92, 234 + 13



12.0" Radius, 2.0" Border, White on Green;
"EXIT", E 2K; "312", E 2K;

12.0" Radius, 2.0" Border, White on Green;
"Kankakee", E Mod 2K; "Momence", E Mod 2K;
"1/2 MILE", E Mod 2K;

Table of distances between letter and object lefts

64.1	E	X	I	T	3	1	2	12.1	12.0
8.9	10.7	3.5	22.5	14.7	7.5	12.1	12.0		
60.0	36.0	60.0							
18.6	K	a	n	k	a	k	e	e	18.6
15.2	16.9	17.0	14.1	16.9	14.1	14.1	10.5		
21.5	M	o	m	e	n	c	e	21.5	
18.9	15.8	22.6	15.5	15.5	14.1	10.6			
43.7	1/2	M	I	L	E	43.6			
28.7	14.5	5.8	10.8	8.9					

MODEL: 2D SHEET 11
FILE NAME: C:\PW\WORK\EX-2\W.BENTLEY.COM\EX-2\DWG\01.D01\412\UD36863-SHT-SIGN DETAIL-57-01.DGN



QUIGG ENGINEERING INC

USER NAME = SALASL	DESIGNED - MB	REVISED -
	DRAWN - MB	REVISED -
PLOT SCALE = 0.16666633 1/1 IN.	CHECKED - FN	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN PANEL DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	512
				CONTRACT NO. 66863
		ILLINOIS	FED. AID PROJECT	

I-57/L 17 173 + 49, 209 + 37
ON TRUSS 3C046I057R312.2 & 3C046I057L311.5



12.0" Radius, 2.0" Border, White on Green;
"EXIT", E 2K; "312", E 2K;

12.0" Radius, 2.0" Border, White on Green;
"Kankakee", E Mod 2K; "Momence", E Mod 2K;
Arrow Custom - 36.3" 45°;

Table of letter and object lefts

E	X	I	T	3	1	2
64.1	73.0	83.7	87.2	109.7	124.4	131.9

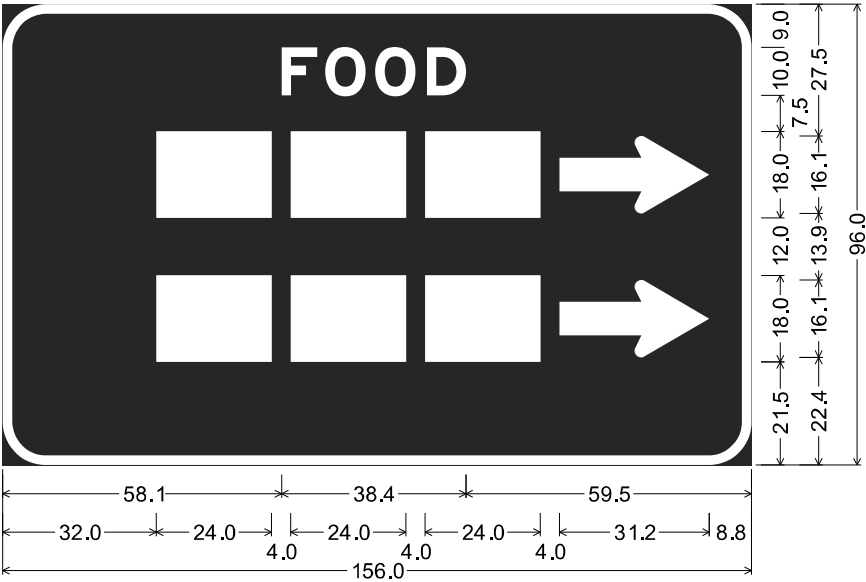
17
60.0

K	a	n	k	a	k	e	e
18.6	33.8	50.7	67.7	81.8	98.7	112.8	126.9

M	o	m	e	n	c	e
21.5	40.4	56.3	78.8	94.3	109.9	123.9

↗
64.2

I-57/L 17 RAMP A 28 + 00



9.0" Radius, 2.0" Border, White on Blue;
"FOOD", E Mod 2K; Standard Arrow Custom 31.2" X 16.1" 0°;
Standard Arrow Custom 31.2" X 16.1" 0°;

Table of letter and object lefts

F	O	O	D
58.1	67.2	77.6	88.4
■	■	■	→
32.0	60.0	88.0	116.0
■	■	■	→
32.0	60.0	88.0	116.0

MODEL: 2D SHEET 14
FILE NAME: C:\PWP\WORK\EX-24\BENTLEY.COM EX-24\DWG\201\DD1412\UD36863-SHT-SIGN DETAIL-457-02.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL
PLOT SCALE	= 0.16666633 1/ IN.
PLOT DATE	= 4/23/2026

DESIGNED -	MB
DRAWN -	MB
CHECKED -	FN
DATE -	04/22/2026

REVISED -	
REVISED -	
REVISED -	
REVISED -	

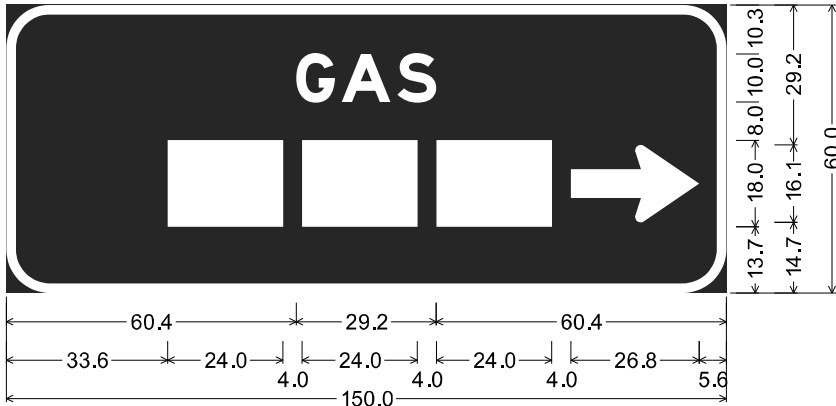
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN PANEL DETAILS

SCALE: 1"= 1'	SHEET .	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	513
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

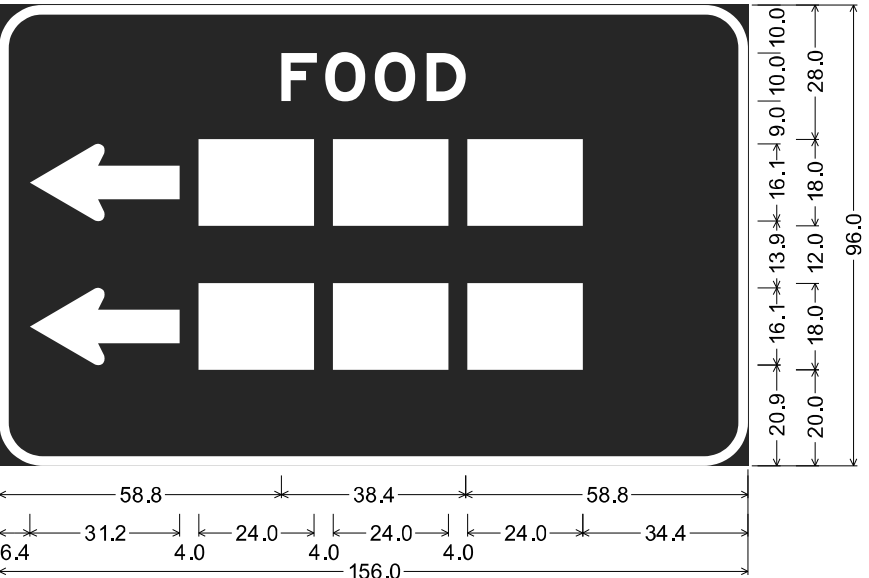
I-57/L 17 RAMP A 31+00



9.0" Radius, 2.0" Border, White on Blue;
"GAS", E Mod 2K; Standard Arrow 6 26.8" X 16.1" 0°;
Table of letter and object lefts

G	A	S	
60.4	69.9	81.5	
33.6	61.6	89.6	117.6

I-57/L 17 RAMP C 29+00



9.0" Radius, 2.0" Border, White on Blue;
"FOOD", E Mod 2K; Standard Arrow Custom 31.1" X 16.1" 180°;
Standard Arrow Custom 31.1" X 16.1" 180°;
Table of letter and object lefts

F	O	O	D
58.8	67.9	78.3	89.1
6.4	41.6	69.6	97.6
6.4	41.6	69.6	97.6

MODEL: 2D SHEET 11
FILE NAME: C:\PW\WORK\EX-214\BENTLEY.COM EX-214\214036663-SHT-SIGN DETAIL-457-403.DGN



USER NAME = SALASL	DESIGNED - MB	REVISED -
	DRAWN - MB	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - FN	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

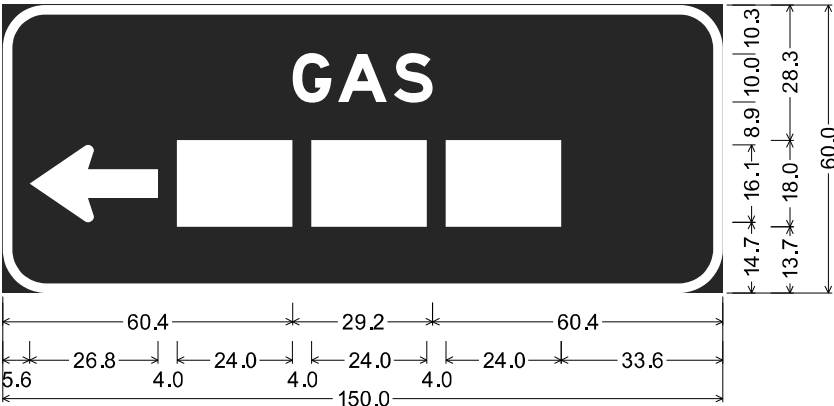
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN PANEL DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	514
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

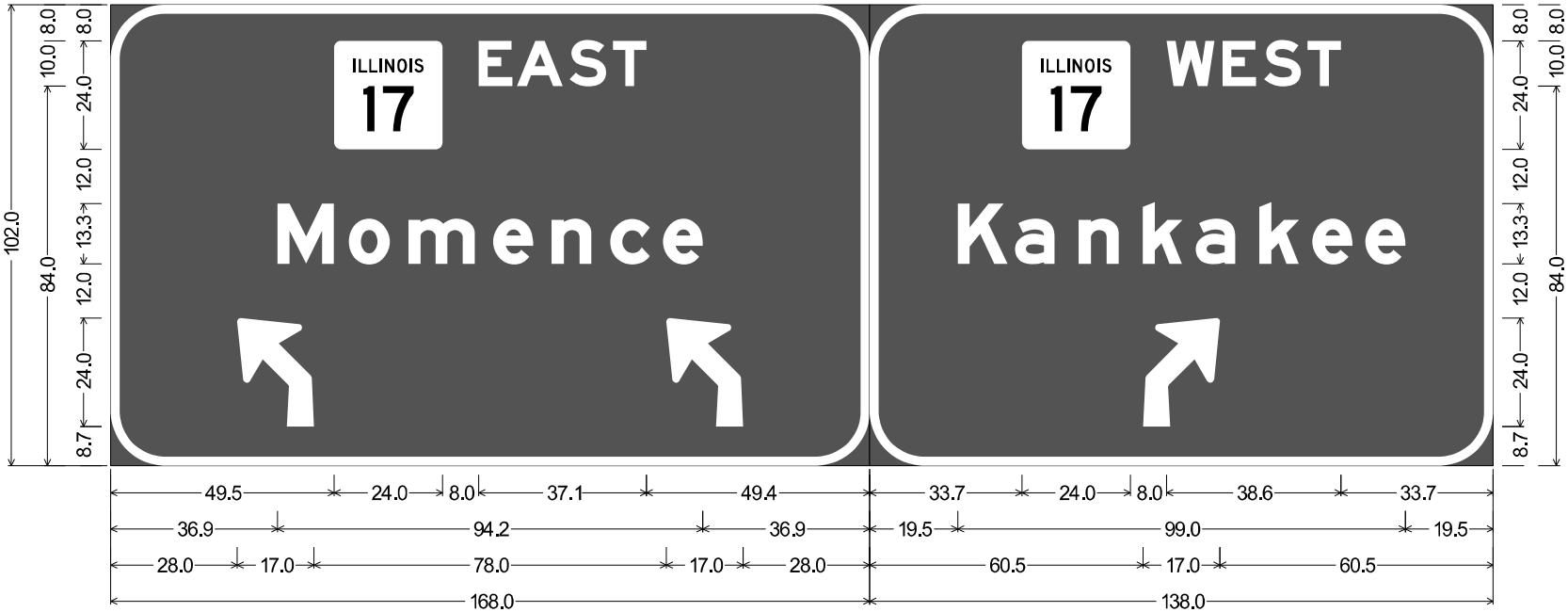
I-57/L 17 RAMP C 31+00



9.0" Radius, 2.0" Border, White on Blue;
"GAS", E Mod 2K; Standard Arrow 6 26.8" X 16.1" 180°;
Table of letter and object lefts

G	A	S
60.4	69.9	81.5
5.6	36.4	64.4

I-57/L 17 RAMP A 33+00
ON TRUSS 3S046I057R311.9



12.0" Radius, 2.0" Border, White on Green;
"EAST", E Mod 2K; "Momence", E Mod 2K; 45 Deg Advance Turn Arrow 17.0" X 24.0"; 45 Deg Advance Turn Arrow 17.0" X 24.0";

12.0" Radius, 2.0" Border, White on Green;
"WEST", E Mod 2K; "Kankakee", E Mod 2K; 45 Deg Advance Turn Arrow 17.0" X 24.0";

Table of letter and object lefts

	E	A	S	T			
49.5	81.5	90.0	101.6	111.2			
M	o	m	e	n	c	e	
36.9	52.7	65.9	84.7	97.6	110.5	122.3	
							
28.0	123.0						
	W	E	S	T			
33.7	65.7	78.1	87.3	96.9			
K	a	n	k	a	k	e	e
19.5	32.1	46.3	60.4	72.1	86.3	98.0	109.7
							
60.5							

MODEL: 2D SHEET 11
FILE NAME: C:\PW\WORK\EX-24\BENTLEY.COM EX-24\DWG\01.D01412\UD366863-SHT-SIGN DETAIL-457-044.DGN



QUIGG ENGINEERING INC

USER NAME = SALASL	DESIGNED - MB	REVISED -
	DRAWN - MB	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - FN	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

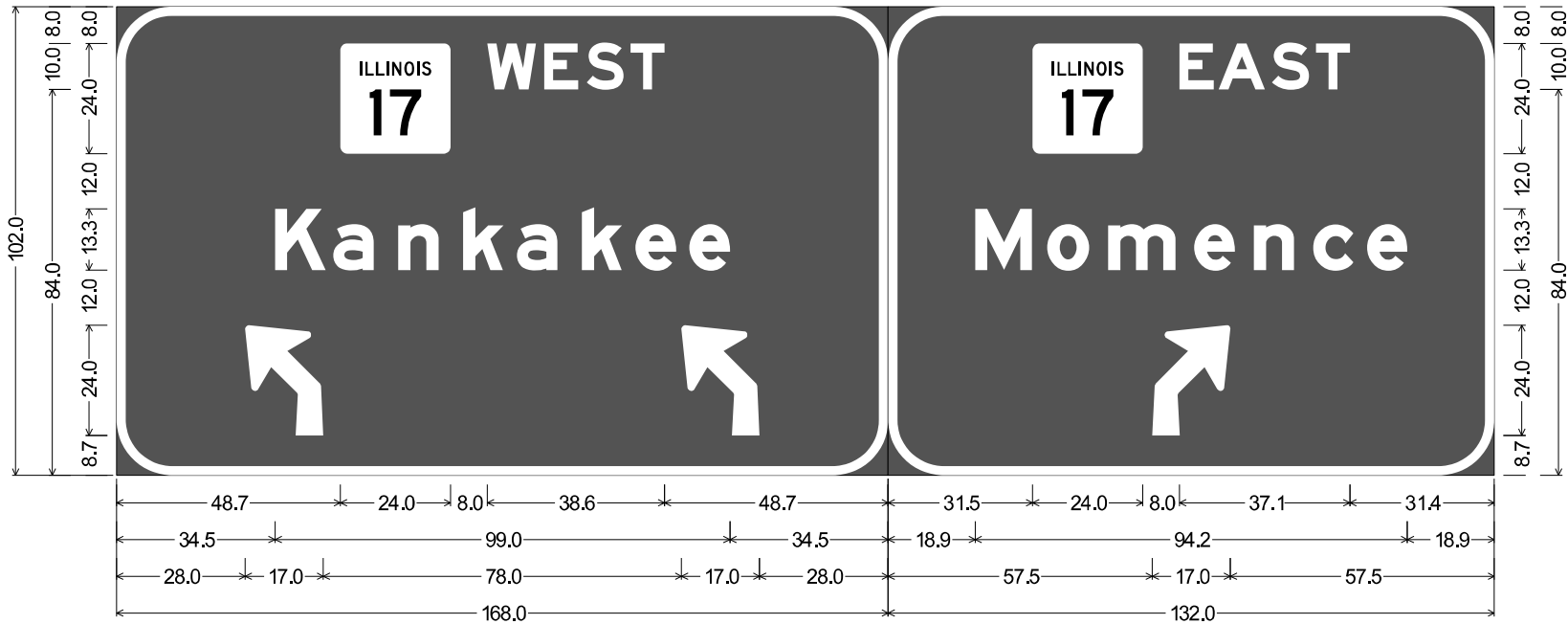
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN PANEL DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	515
				CONTRACT NO. 66863
		ILLINOIS	FED. AID PROJECT	

I-57/L 17 RAMP C 33 + 00
ON TRUSS 3S046I057L311.8



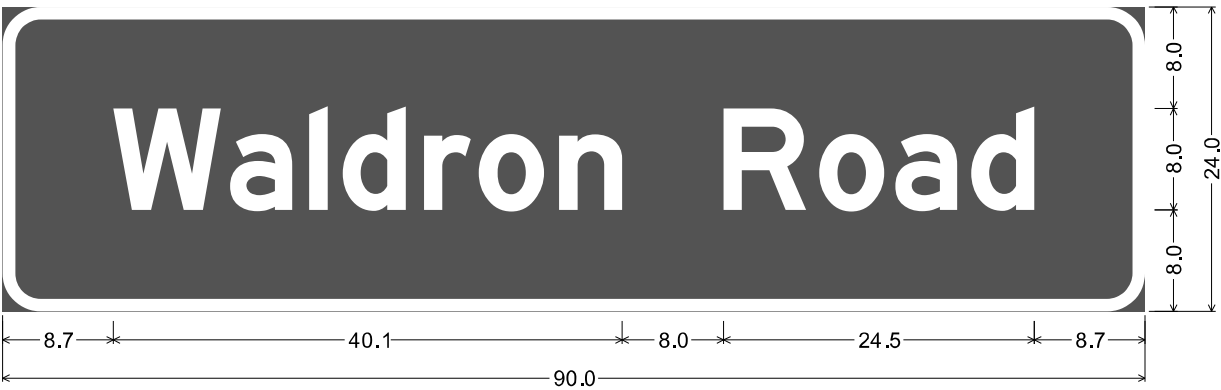
12.0" Radius, 2.0" Border, White on Green;
"WEST", E Mod 2K; "Kankakee", E Mod 2K; 45 Deg Advance Turn Arrow 17.0" X 24.0"; 45 Deg Advance Turn Arrow 17.0" X 24.0";

12.0" Radius, 2.0" Border, White on Green;
"EAST", E Mod 2K; "Momence", E Mod 2K; 45 Deg Advance Turn Arrow 17.0" X 24.0";

Table of letter and object lefts

	W	E	S	T			
48.7	80.7	93.1	102.3	111.9			
K	a	n	k	a	k	e	e
34.5	47.1	61.3	75.4	87.1	101.3	113.0	124.7
							
28.0	123.0						
	E	A	S	T			
31.5	63.5	72.0	83.6	93.2			
M	o	m	e	n	c	e	
18.9	34.7	47.9	66.7	79.6	92.5	104.3	
							
57.5							

I-57/L 17 229 + 04, 232 + 11



3.0" Radius, 1.0" Border, White on Green;
"Waldron Road", E 2K;

Table of letter and object lefts

W	a	l	d	r	o	n	R	o	a	d
8.7	17.9	24.2	26.8	33.2	37.5	43.8	56.8	64.3	70.3	76.3

MODEL: 2D SHEET 11
FILE NAME: C:\PWP\WORK\EX-214\BENTLEY.COM EX-214\2140366663-SHT-SIGN DETAIL-457-405.DGN



USER NAME = SALASL	DESIGNED - MB	REVISED -
	DRAWN - MB	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - FN	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN PANEL DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	516
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

I-57/IL 17 127 + 50
ON TRUSS 3C046S017R014.4

IL 17 118 + 45, 119 + 09, 139 + 95, 140 + 89

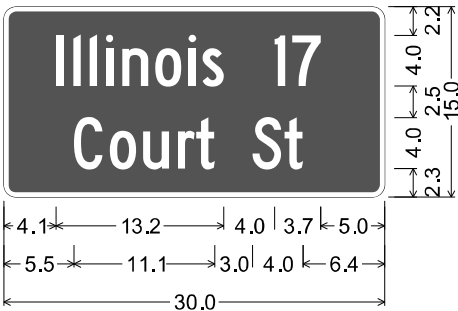


9.0" Radius, 1.5" Border, White on Green;
Standard Arrow 8 35.8" X 21.6" 180°; "NORTH", E Mod 2K; "Chicago", E Mod 2K;

9.0" Radius, 1.5" Border, White on Green;
"SOUTH", E Mod 2K; "Champaign", E Mod 2K; Standard Arrow 8 35.8" X 21.6" 0°;

Table of letter and object lefts

←		N	O	R	T	H		
3.6	57.6	89.6	100.1	110.9	120.1	129.3		
C	h	i	c	a	g	o		
55.3	69.8	84.0	90.8	102.5	115.4	128.4		
	S	O	U	T	H	→		
33.5	65.5	75.7	86.5	96.4	105.6	152.2		
C	h	a	m	p	a	i	g	n
19.0	33.6	46.5	60.6	80.6	92.4	106.5	113.3	127.4



1.0" Radius, 0.4" Border, White on Green;
"Illinois 17", C 2K; "Court", C 2K;
"St", C 2K;

Table of letter and object lefts

I	l	l	i	n	o	i	s
4.1	5.5	6.8	8.1	9.3	11.9	14.6	15.7
		l	7				
		21.3	22.7				
C	o	u	r	t	S	t	
5.5	8.4	11.0	13.7	15.2	19.6	22.1	

MODEL: 2D SHEET 14
FILE NAME: C:\PW\WORK\EX-24\BENTLEY.COM\EX-24\DWG\01.D01412\036863-SHT-SIGN DETAIL-ILL-7-01.DGN



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	DRAWN - MB	REVISED -
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PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

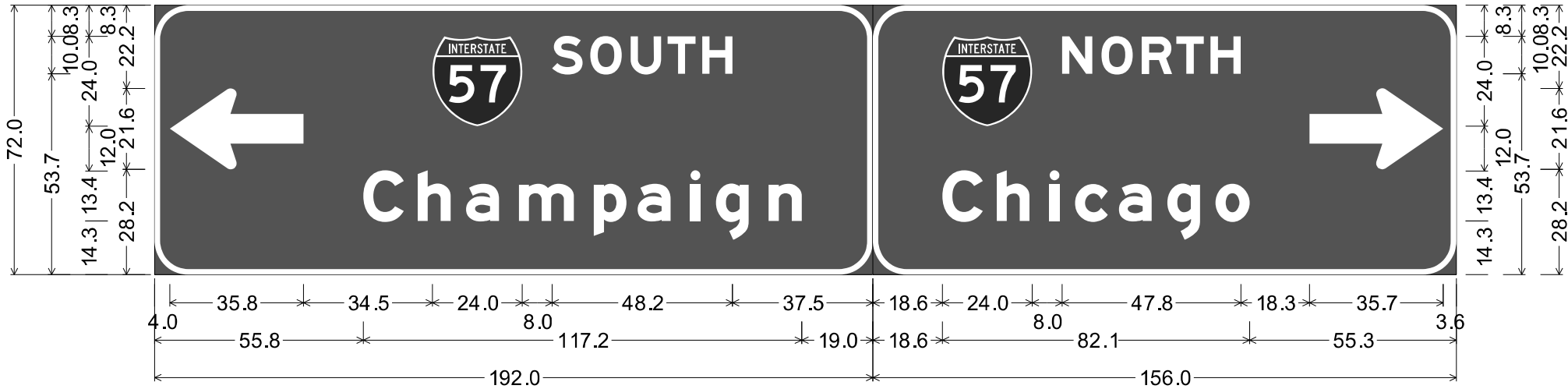
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN PANEL DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	517
				CONTRACT NO. 66863
		ILLINOIS	FED. AID PROJECT	

I-57/L 17 138 + 50
ON TRUSS 3C046S017L014.2



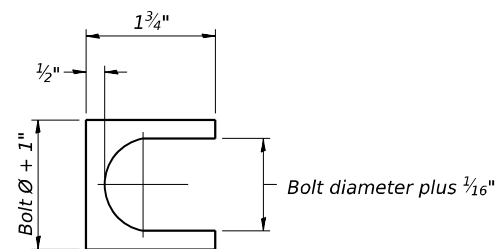
9.0" Radius, 1.5" Border, White on Green;
Standard Arrow 8 35.8" X 21.6" 180°; "SOUTH", E Mod 2K; "Champaign", E Mod 2K;

9.0" Radius, 1.5" Border, White on Green;
"NORTH", E Mod 2K; "Chicago", E Mod 2K; Standard Arrow 8 35.8" X 21.6" 0°;

Table of letter and object lefts

←		S	O	U	T	H		
4.0	74.3	106.3	116.5	127.3	137.2	146.4		
C	h	a	m	p	a	i	g	n
55.8	70.3	83.2	97.4	117.4	129.1	143.2	150.0	164.2
	N	O	R	T	H	→		
18.6	50.6	61.1	71.9	81.1	90.3	116.7		
C	h	i	c	a	g	o		
18.6	33.1	47.2	54.0	65.8	78.7	91.6		

MODEL: 2D SHEET 11
FILE NAME: C:\PW\WORK\EX-214\BENTLEY.COM EX-214\21412\036863-SHT-SIGN DETAIL-ILL-7-02.DGN

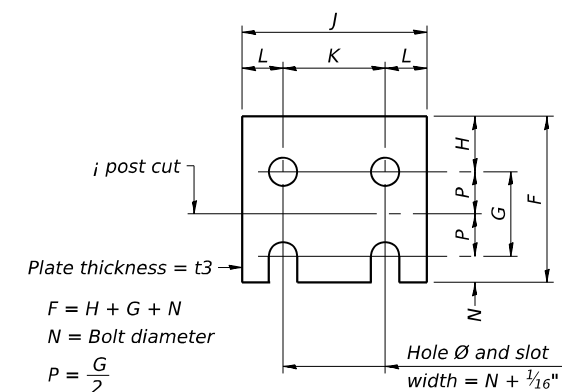


SHIM DETAIL

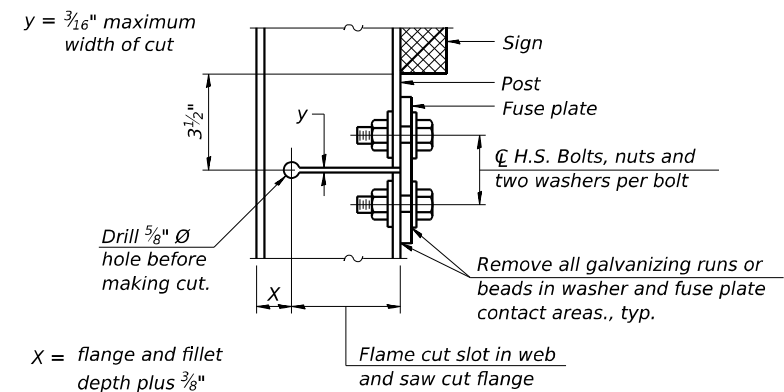
Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.



SECTION B-B



FUSE PLATE DETAIL
(Install with notches down.)



DETAIL H



GENERAL NOTES

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

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

DESIGN STRESSES:

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

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

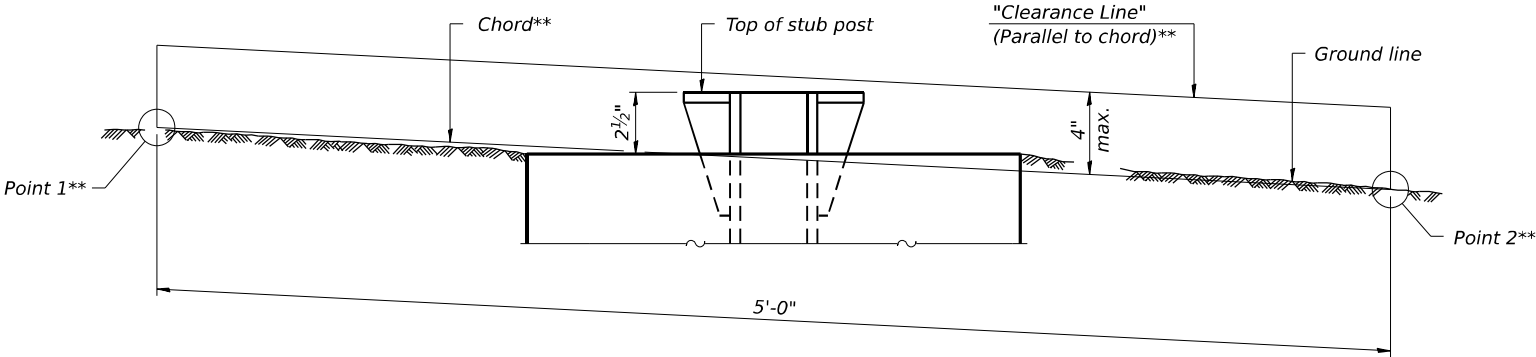
Work this sheet with Base Sheet BAW-A-2.

FUSE PLATE DATA		
N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"

POST	CONCRETE FOUNDATION TABLE								POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA			
	Foundation			Reinforcement				Stub Post Length	Bolt Size	A	B	C	D	E	t1	t2	R	W	J	K	L	t3
	Diameter	*Minimum Depth	Concrete① cu. yds.)	Vertical Bars Length	Bar Spirals		lbs. ②															
					Diameter	Length																
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-3"	5⁄8" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	1⅓⁄32"	¼"	4"	2¼"	7⁄8"	¼"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	5⁄8" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	1⅓⁄32"	¼"	6"	3½"	1¼"	⅜"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	¾" x 3¾"	6"	2½"	1⅜"	3¼"	1⅜"	1"	½"	1⅓⁄32"	5⁄16"	5¼"	2¾"	1¼"	⅜"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2½"	105'-0"	92	3'-0"	¾" x 3¾"	6"	2½"	1⅜"	3¼"	1⅜"	1"	½"	1⅓⁄32"	5⁄16"	5¾"	2¾"	1½"	½"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2½"	112'-0"	98	3'-0"	7⁄8" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	1⅕⁄32"	⅜"	5¾"	2¾"	1½"	5⁄8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2½"	119'-0"	107	3'-0"	7⁄8" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	1⅕⁄32"	⅜"	6½"	3½"	1½"	5⁄8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8½"	145'-0"	113	3'-0"	7⁄8" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	1⅕⁄32"	⅜"	6¾"	3½"	1⅝"	½"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8½"	153'-0"	122	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	¾"	1⁄32"	⅜"	6¾"	3½"	1⅝"	½"	
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8½"	162'-0"	130	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	¾"	1⁄32"	⅜"	7"	3½"	1¾"	½"	

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

POST	FUSE PLATE BOLT SIZE																					
	Sign Height																					
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"	
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—	
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" 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"	—	—	—	—	—	—	—	—	
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	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 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—	—	
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	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 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—	
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" 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 2 1/4"	3/4" x 2 1/4"	—	—	—	—	
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	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 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	
W16x45	—	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	



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

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

MODEL: 2D SHEET 11
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BAW-A-2 5-15-2023



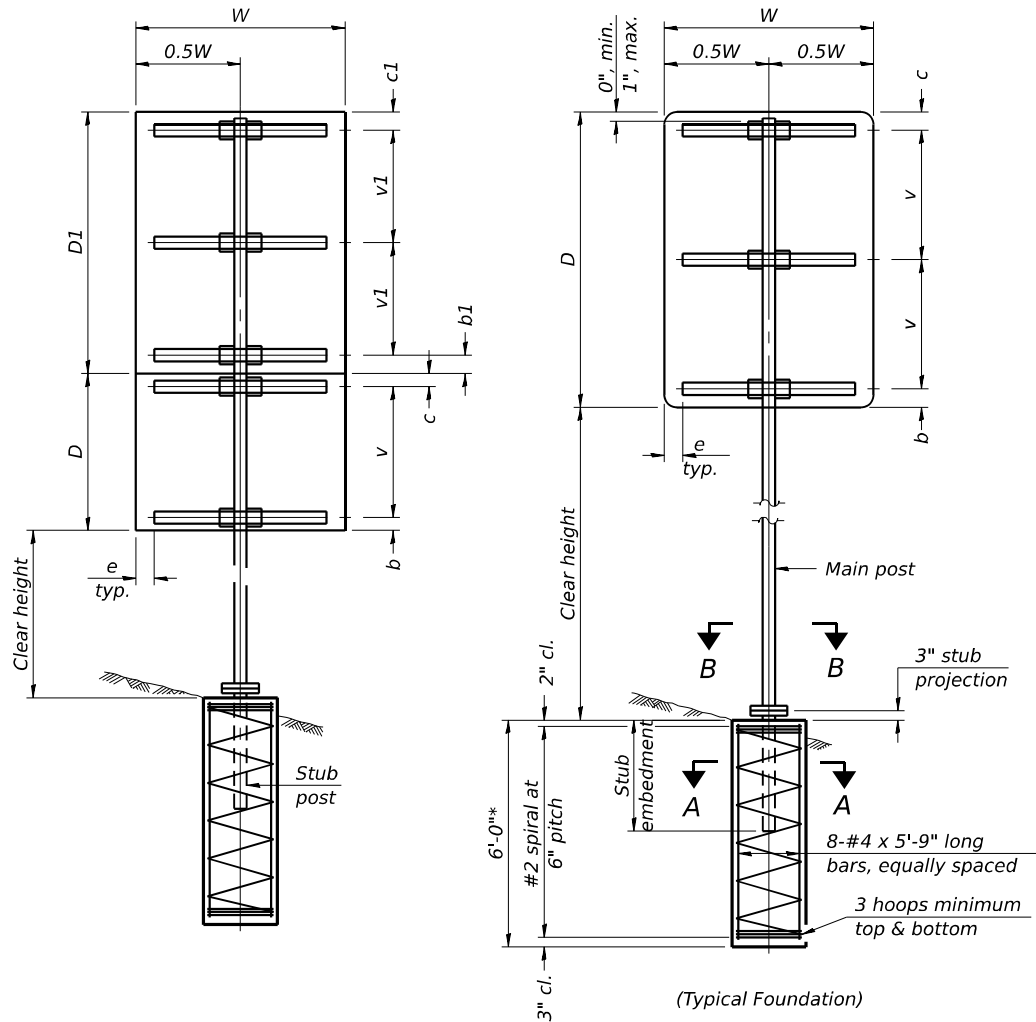
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PLOT DATE = 4/23/2026	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE
STEEL SIGN POST TABLES

SHEET . OF TEST SHEETS

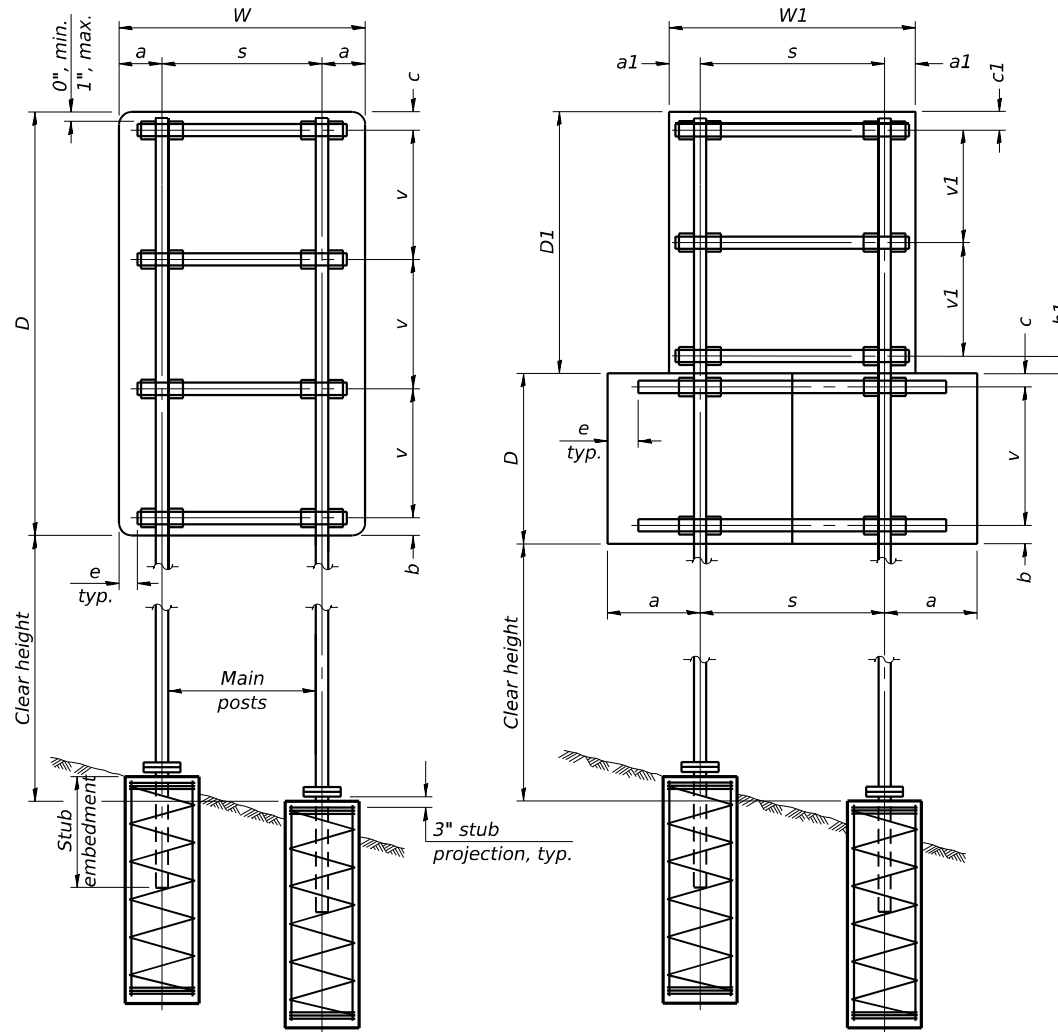
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	520
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



SINGLE POST ASSEMBLY EXAMPLES

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

a or $a1 = 6''$ min. to $2'-0''$ max. (Approximately $0.2W$ or $0.2W1$)
 b or $b1 = 3''$ min. to $4''$ max
 c or $c1 = 3''$ min. to $4''$ max
 $e = 0''$ min. to $6''$ max
 $s = 3'-0''$ min. to $6'-0''$ max. (Approximately $0.6W$ or $0.6W1$)
 v or $v1 = 2'-0''$ min. to $2'-11''$ max.



DUAL POST ASSEMBLY EXAMPLES

GENERAL NOTES

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

One foundation requires 0.7 cubic yards of concrete and 46 pounds of reinforcement bars and spiral hoops.

LOADING: 80 mph wind with 30% gust factor, normal to sign.

DESIGN STRESSES:

Structural steel - 20,000 psi

Reinforcing steel - 20,000 psi

Concrete - 1,400 psi

Footing soil pressure - 2,000 psf

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

For Sections A-A and B-B, see Base Sheet BAT-A-2.

FOUNDATIONS:

All necessary excavation or drilling (except in rock); backfilling with excavated material; disposal of unsuitable or surplus material; formwork; and furnishing and placing the Class SI Concrete and reinforcement bars, shall be included in the pay item used for foundations.

The measurement of the tubular steel shall be computed on the basis of the weight per foot of the support, multiplied by the combined length of the main posts and stub posts.

MAIN POST STEEL TUBING	WEIGHT PER FOOT (POUND)	STUB POST TABLE		MAIN POST TABLE				
		Stub Embedment	Stub Post Length	Bolt Size	A	t	R	Bolt Circle
3" x 2" x $\frac{1}{4}"$	7.11	2'-0"	2'-3"	$\frac{1}{2}" \times 2\frac{3}{4}"$	8 $\frac{1}{4}"$	$\frac{5}{8}"$	$\frac{9}{32}"$	6 $\frac{1}{2}"$
4" x 2" x $\frac{1}{4}"$	8.81	2'-0"	2'-3"	$\frac{1}{2}" \times 2\frac{3}{4}"$	8 $\frac{1}{4}"$	$\frac{5}{8}"$	$\frac{9}{32}"$	6 $\frac{1}{2}"$
4" x 3" x $\frac{1}{4}"$	10.51	2'-3"	2'-6"	$\frac{5}{8}" \times 3\frac{1}{4}"$	10"	$\frac{3}{4}"$	$\frac{11}{32}"$	8"
5" x 3" x $\frac{1}{4}"$	12.21	2'-3"	2'-6"	$\frac{5}{8}" \times 3\frac{1}{4}"$	10"	$\frac{3}{4}"$	$\frac{11}{32}"$	8"
6" x 3" x $\frac{1}{4}"$	13.91	2'-3"	2'-6"	$\frac{5}{8}" \times 3\frac{1}{4}"$	11 $\frac{1}{2}"$	$\frac{3}{4}"$	$\frac{11}{32}"$	9 $\frac{1}{2}"$
6" x 4" x $\frac{1}{4}"$	15.62	2'-3"	2'-6"	$\frac{3}{4}" \times 3\frac{1}{2}"$	11 $\frac{1}{2}"$	$\frac{3}{4}"$	$\frac{13}{32}"$	9 $\frac{1}{2}"$
6" x 4" x $\frac{5}{16}"$	19.08	2'-3"	2'-6"	$\frac{3}{4}" \times 3\frac{1}{2}"$	11 $\frac{1}{2}"$	$\frac{3}{4}"$	$\frac{13}{32}"$	9 $\frac{1}{2}"$
7" x 5" x $\frac{1}{4}"$	19.02	2'-6"	2'-9"	$\frac{3}{4}" \times 3\frac{1}{2}"$	1'-2"	$\frac{3}{4}"$	$\frac{13}{32}"$	1'-0"
8" x 4" x $\frac{1}{4}"$	19.02	2'-6"	2'-9"	$\frac{3}{4}" \times 3\frac{1}{2}"$	1'-2"	$\frac{3}{4}"$	$\frac{13}{32}"$	1'-0"
8" x 6" x $\frac{1}{4}"$	22.42	2'-6"	2'-9"	$\frac{7}{8}" \times 3\frac{1}{2}"$	1'-2"	$\frac{3}{4}"$	$\frac{15}{32}"$	1'-0"

BAT-A-1

5-15-2023

(Sheet 1 of 2)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY TUBULAR STEEL
STEEL SIGN POSTS AND FOUNDATIONS

SHEET OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R,HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	521
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

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	CHECKED - DRB	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	DRAWN - ZLD	REVISED -
PLOT DATE = 4/23/2026	CHECKED - MDC	REVISED -

MODEL: 2D SHEET 11
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BAT-A-2

5-15-2023

(Sheet 2 of 2)



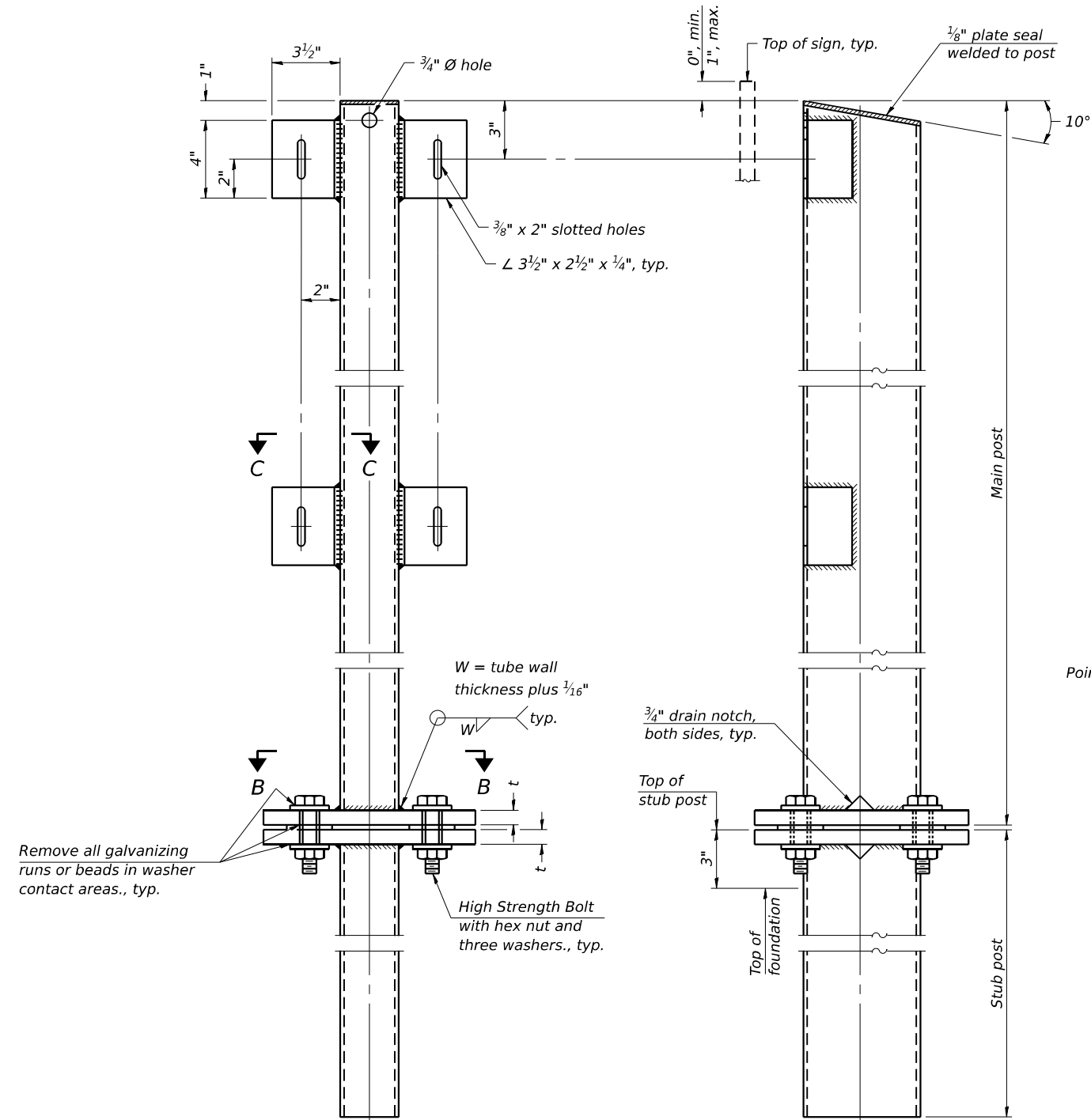
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PLOT DATE = 4/23/2026	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY TUBULAR STEEL
STEEL SIGN POSTS AND DETAILS

SHEET OF SHEETS

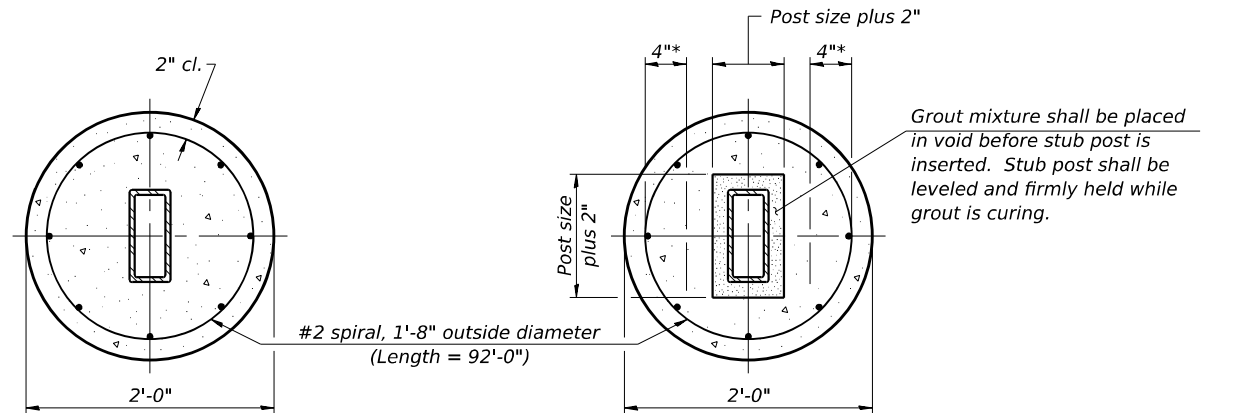
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	522
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



FRONT ELEVATION

SIDE ELEVATION

MAIN POST & STUB POST

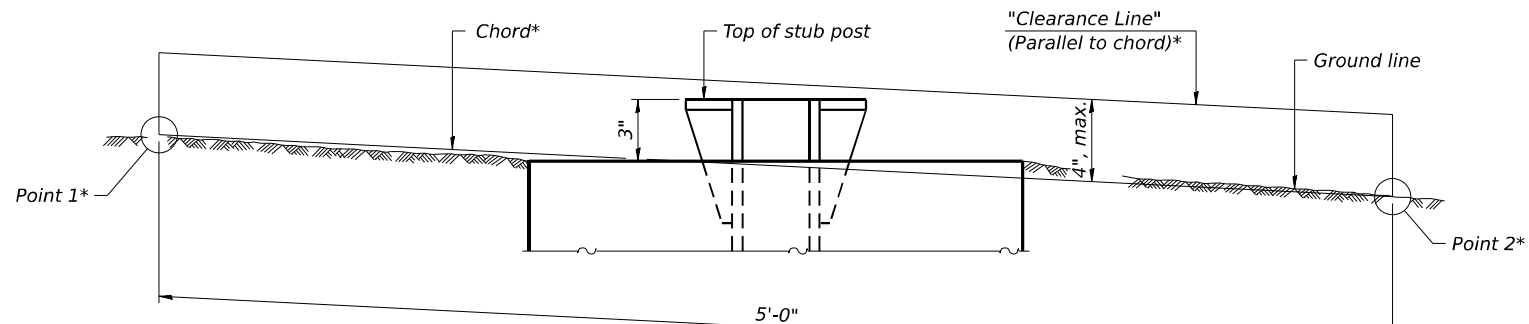


SECTION A-A
(CAST-IN-PLACE)

OR

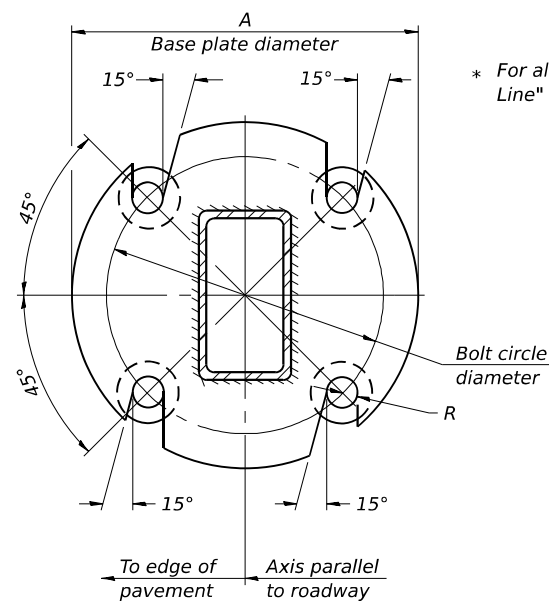
SECTION A-A
(PRECAST)

* Hot dip galvanized lifting loops or inserts may be placed in precast foundation inside the spiral reinforcement but not within 6" of the long axis of the post. Inserts must be adequate for safely lifting a total of 3,000 pounds and must not interfere with installation of the stub post or proper functioning of the slip base.

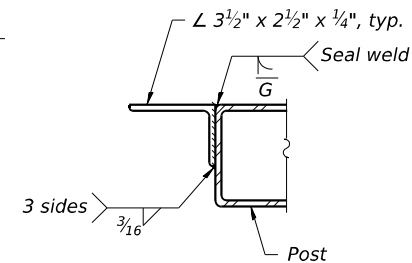


ELEVATION
GROUND LINE & STUB POST

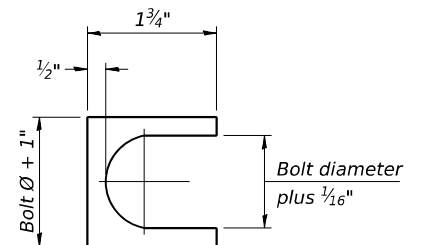
* For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.



SECTION B-B



SECTION C-C
Weld continuously around corners.



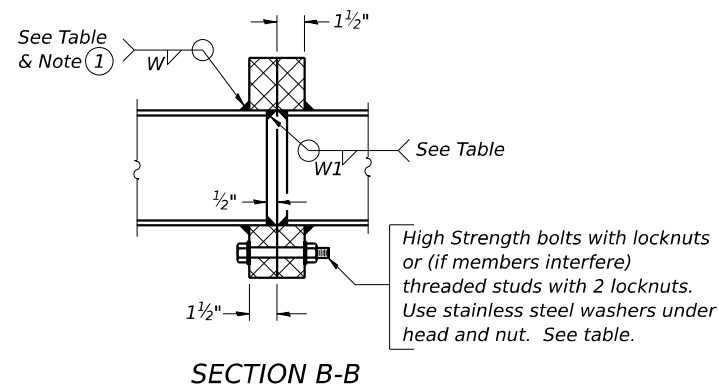
SHIM DETAIL

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

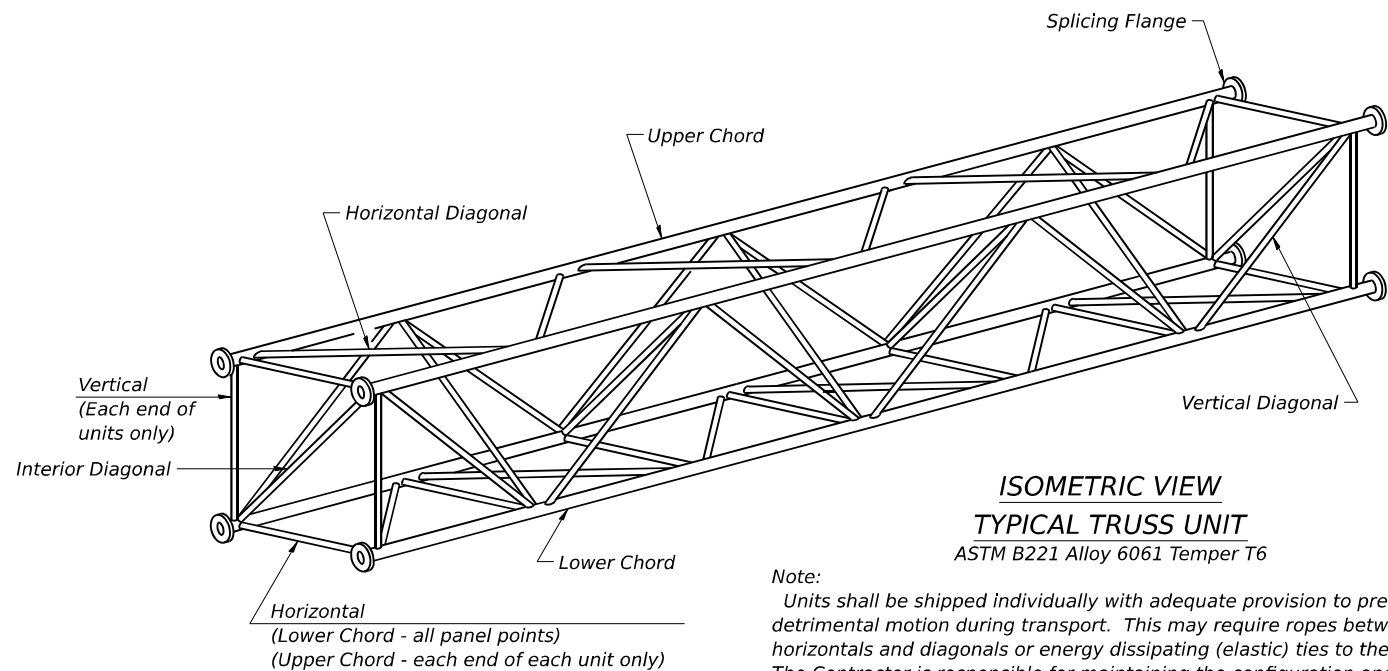


- ① Contractor may alternatively use standard aluminum drive-fit cap to close end.
 $\frac{1}{2}$ " Ø drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
- ② $5\frac{1}{2}$ " end dimension may vary by ± 1 " to provide uniform panel spacing (P).
- ③ Panel spacing (P) shall be uniform for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

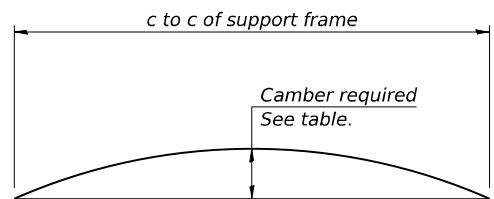
TRUSS UNIT TABLE

[illegible]

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



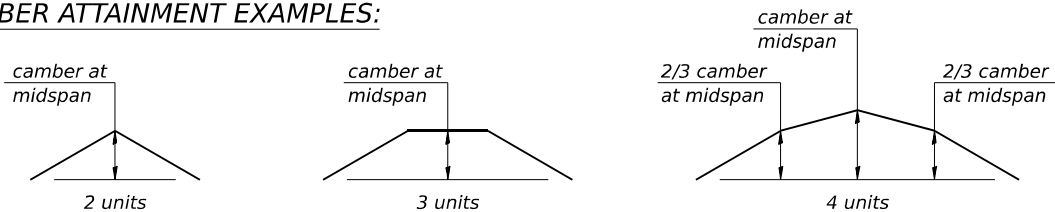
Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection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



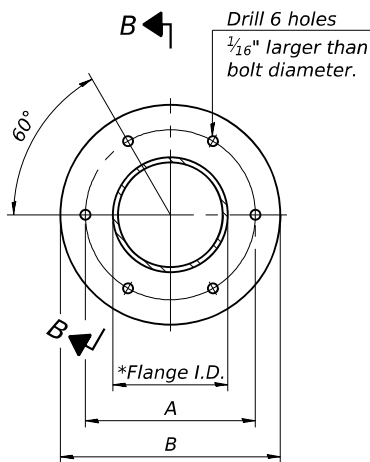
CAMBER DIAGRAM

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

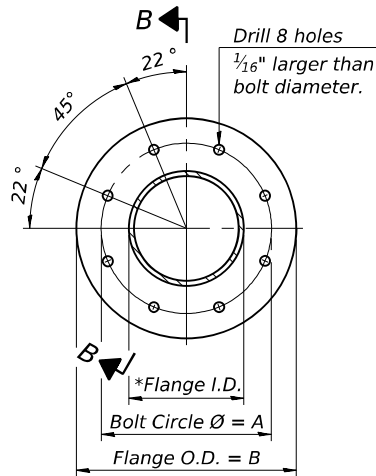
CAMBER ATTAINMENT EXAMPLES:



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



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

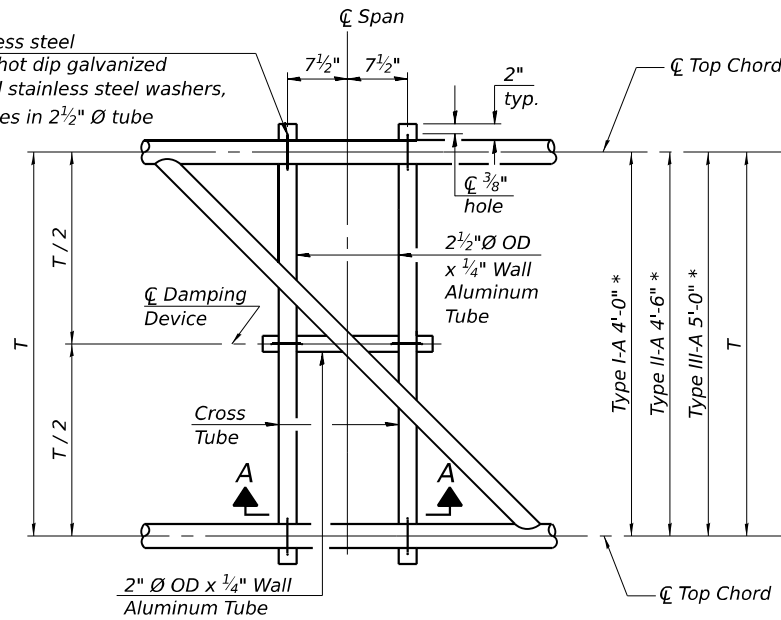


TRUSS TYPES II-A & III-A

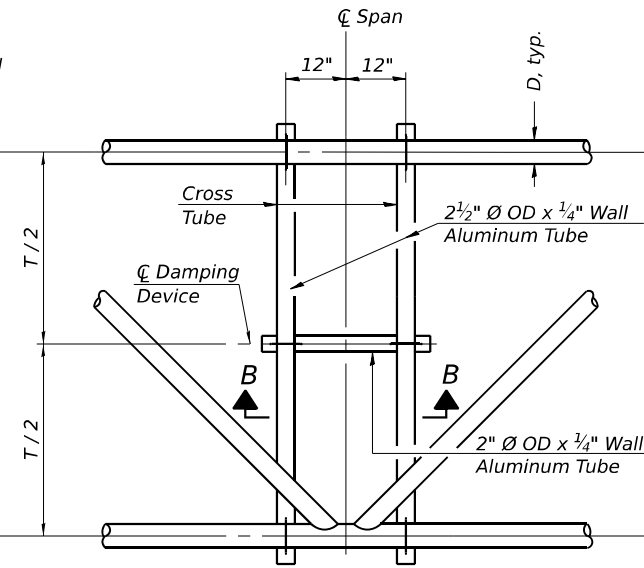
SPLICING FLANGES

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

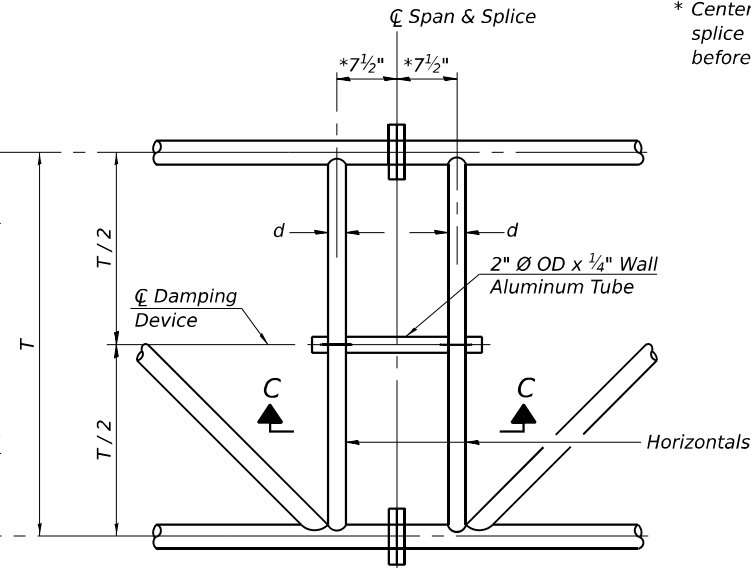
5/16" Ø stainless steel
U- bolt with hot dip galvanized
locknuts and stainless steel washers,
typ. 3/8"Ø holes in 2 1/2" Ø tube



PLAN DETAIL "A"
Span between Panel Points



PLAN DETAIL "B"
Span at Panel Point



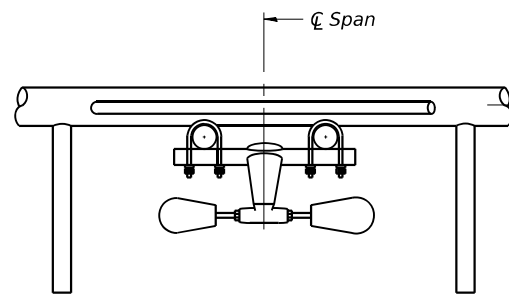
PLAN DETAIL "C"
Span at Chord Splice

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

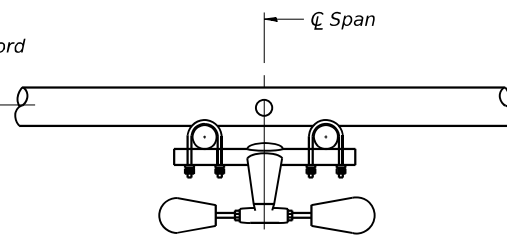
NOTES

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

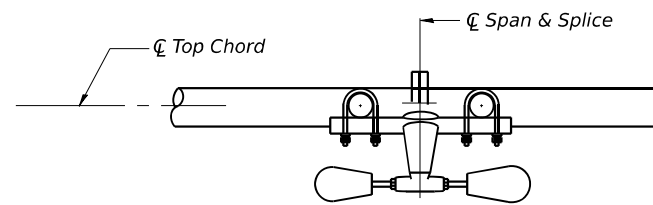
Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



SECTION A-A

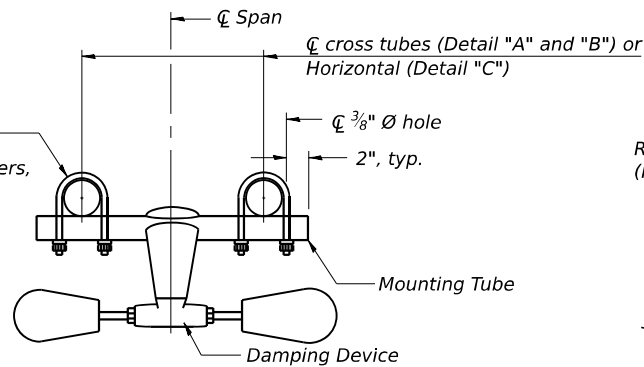


SECTION B-B

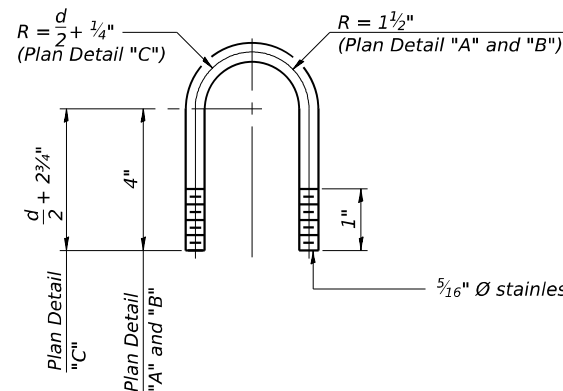


SECTION C-C

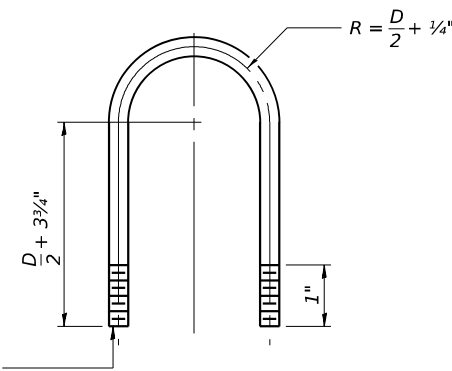
5/16" Ø stainless steel
U- bolt with hot dip galvanized
locknuts and stainless steel washers,
typ. 3/8"Ø holes in mounting tube



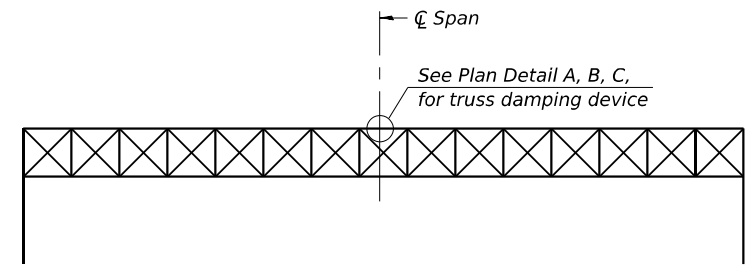
TRUSS DAMPING
DEVICE CONNECTION DETAIL
(Typical)



DAMPING DEVICE MOUNTING
TUBE U-BOLT DETAIL
(Typical)



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



ELEVATION
Aluminum Overhead
Sign Truss

OS-A-D

5-15-2023



QUIGG ENGINEERING INC

USER NAME = SALASL	DESIGNED - ZLD	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - DRB	REVISED -
PLOT DATE = 4/23/2026	DRAWN - ZLD	REVISED -
	CHECKED - MDC	REVISED -

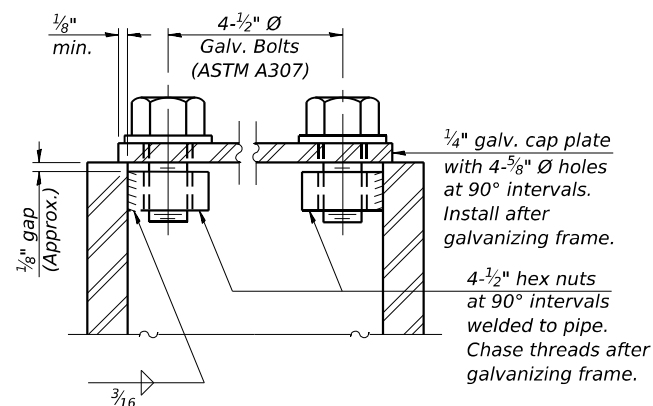
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURE
DAMPING DEVICE

SHEET . OF SHEETS

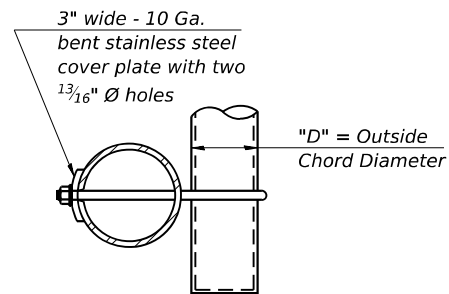
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	526
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

DETAIL A

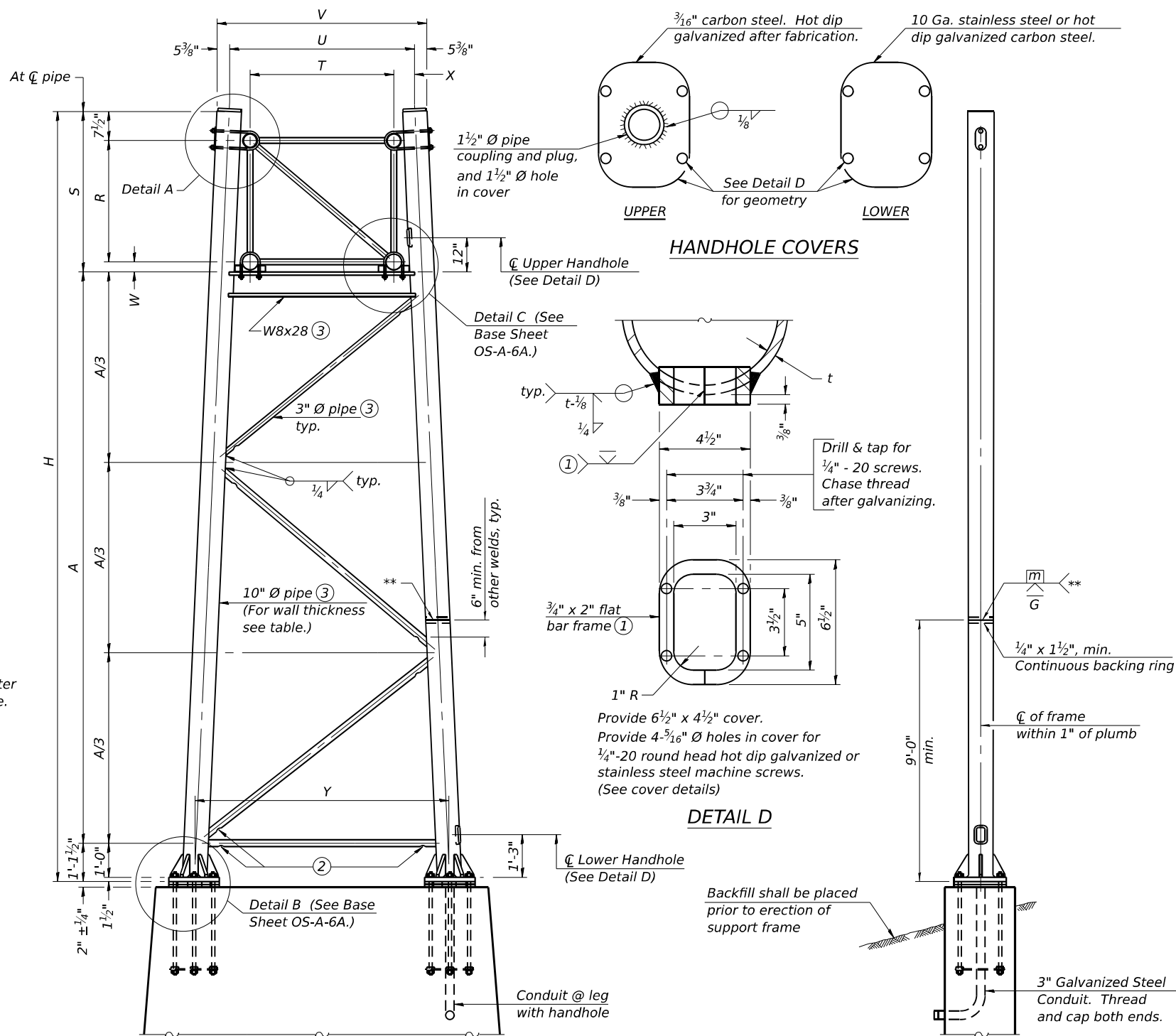


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



SECTION B-B



For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5½"	4'-0"	5'-6"	6'-4¾"	4"	9"	8'-3"
II-A ⑤	5'-3"	6'-3¼"	4'-6"	6'-1"	6'-11¾"	4¾"	9½"	8'-3"

10" Ø PIPE TRUSS SUPPORT FRAME

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

END ELEVATION[illegible]

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.

Load combinations checked include deadload plus:

a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

① *In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500μ in or less.*

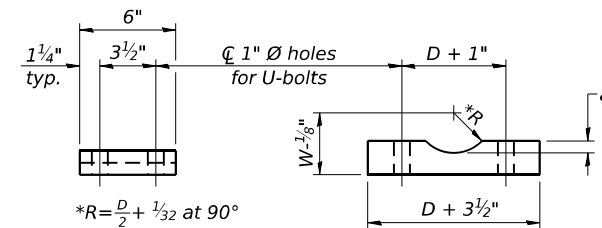
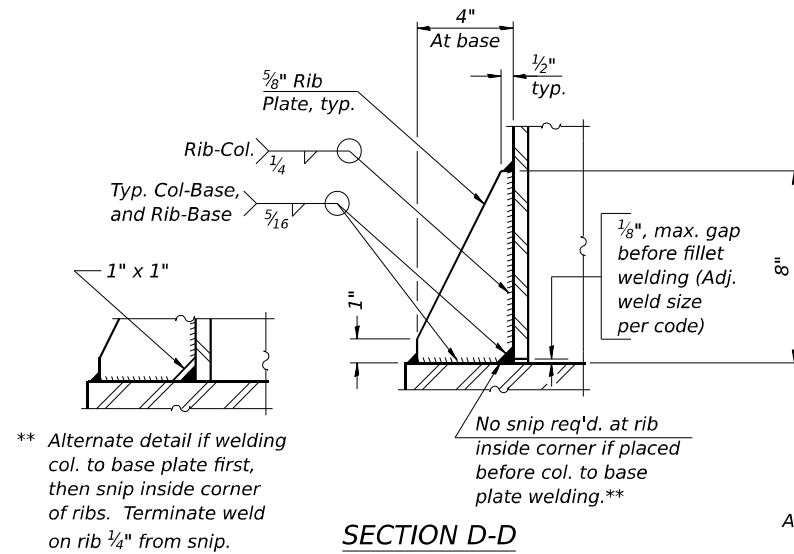
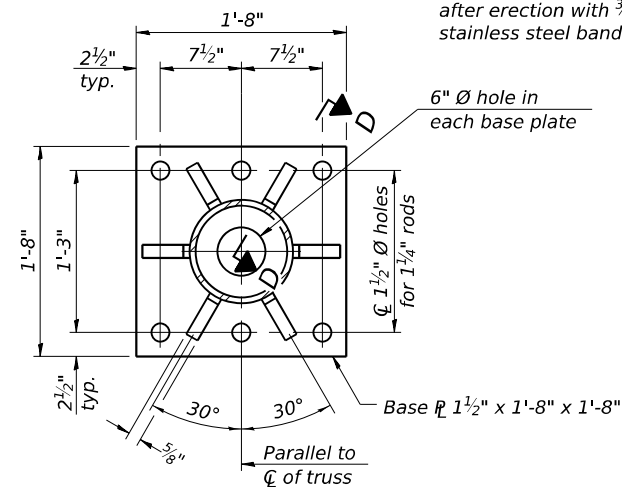
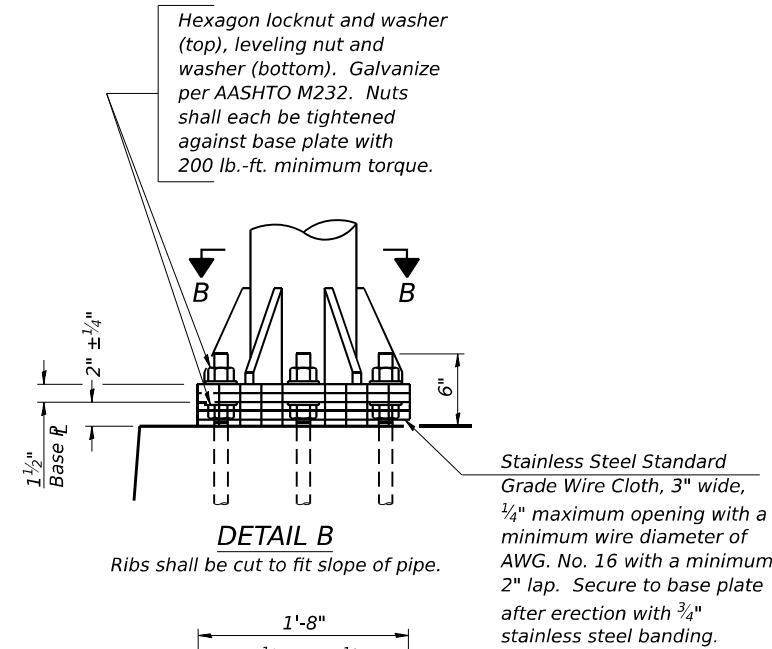
② Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.

③ Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.

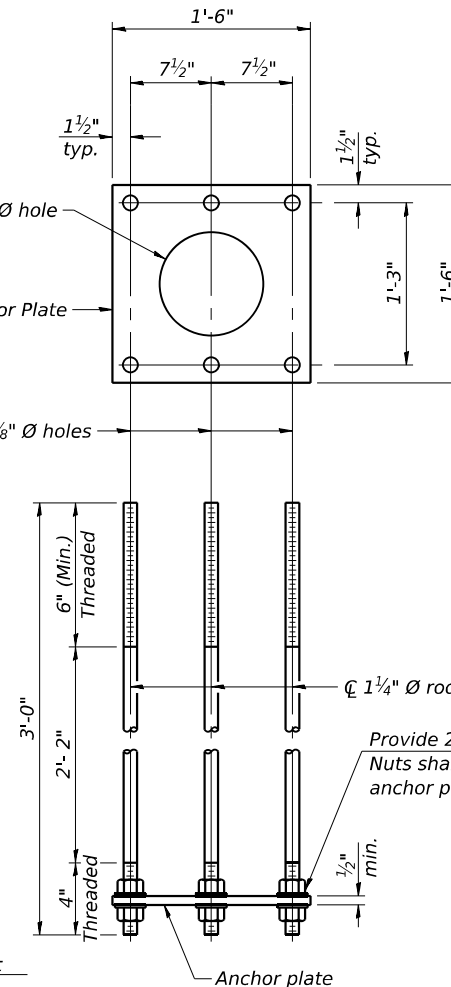
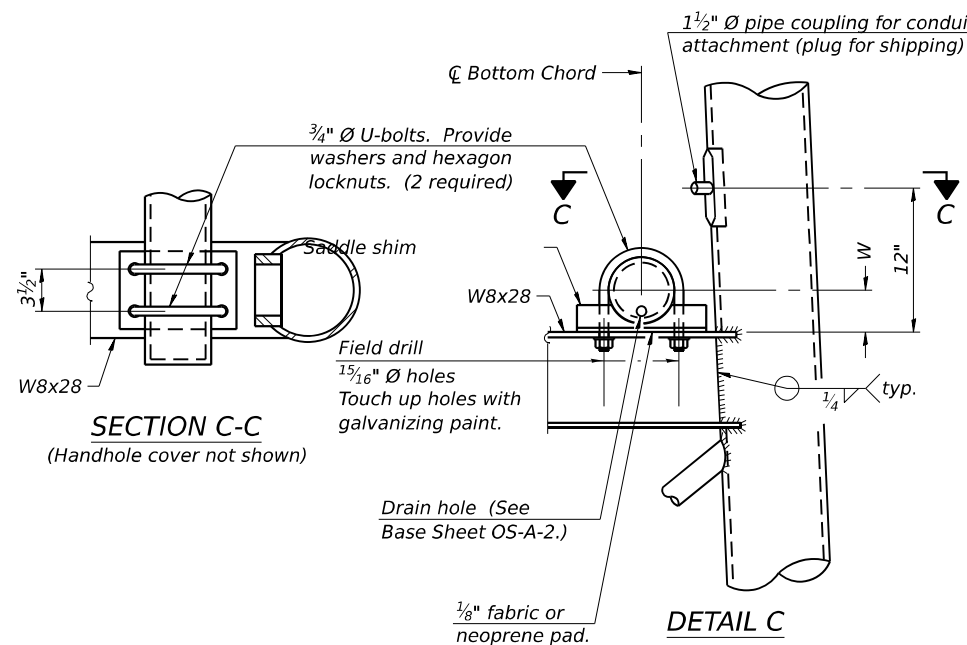
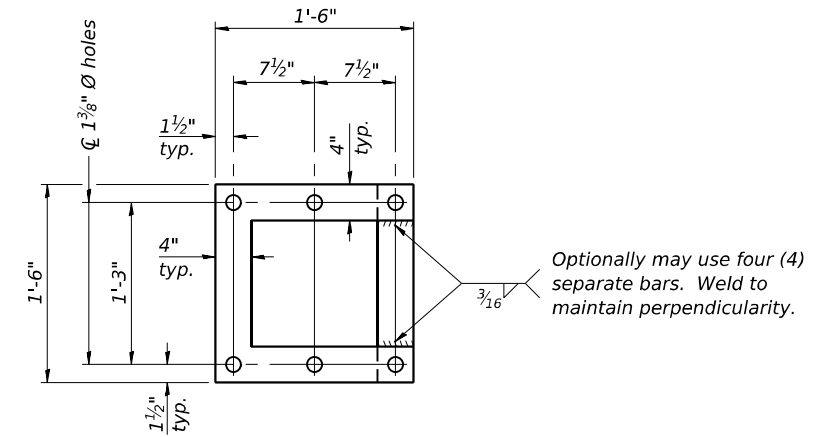
④ See General Notes for fasteners.

⑤ Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.

⑥ "H" based on 15'-0" or actual sign height, whichever is greater.



Truss Chord Nominal Dia.	a
5"	$\frac{3}{4}"$
5½"	$\frac{13}{16}"$
6"	$\frac{7}{8}"$
6½"	$\frac{15}{16}"$
7"	1"



Page 1 of 1

Date 8/7/25

SOIL BORING I-57 & IL 17 INTERCHANGE - SIGNALS & SIGNS.GPJ IL DOT.GDT 8/27/25

BBS, form 137 (Rev. 8-99)

Page 1 of 1

Date 8/8/25

SOIL BORING I-57 & IL 17 INTERCHANGE - SIGNALS & SIGNS.GPJ IL DOT.GDT 8/27/25

BBS, form 137 (Rev. 8-99)



NO. 66863

MODEL: 2D SHEET H
FILE NAME: C:\PW WORK\EXP-PW.BENTLEY.COM EXP-PW-01\00319696\D366863-SHT-SPAN SIGNS-008.DGN

Page 1 of 1

Date 8/11/25

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

SOIL BORING I-57 & IL 17 INTERCHANGE - SIGNALS & SIGNS.GPJ IL_DOT.GDT 8/27/25

BBS, form 137 (Rev. 8-99)

Page 1 of 1

Date 8/11/25

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

SOIL BORING I-57 & IL 17 INTERCHANGE - SIGNALS & SIGNS.GPJ IL_DOT.GDT 8/27/25

BBS, form 137 (Rev. 8-99)



PLOT DATE = 4/23/2026

CHECKED - MDC

REVISÉ -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES

BORING LOGS

SHEET , OF SHEETS

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	ILLINOIS
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ILLINOIS	FED. AID PROJECT
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GENERAL NOTES

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

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

LOADING: 90 M.P.H. WIND VELOCITY

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

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

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

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

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

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

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

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

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

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

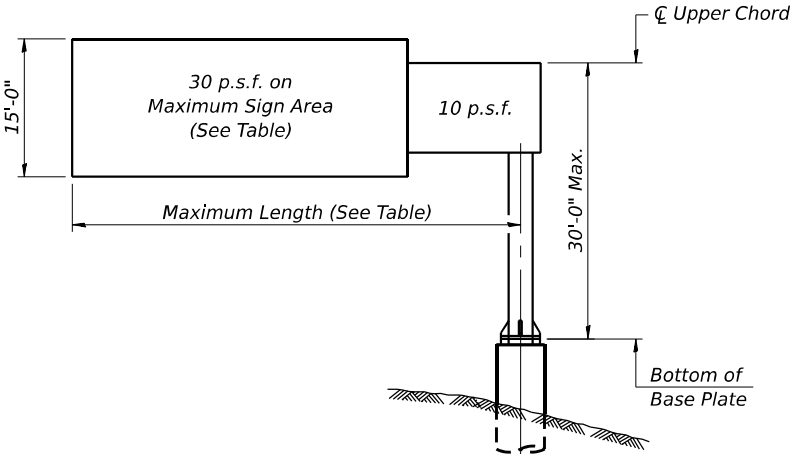
FOUNDATIONS: The contract unit price for Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE I-C-A	Foot	-
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE II-C-A	Foot	-
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	160
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	Foot	-
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	45.9

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	Ds	Total Sign Area
3C046I057L312.2	173+49	III-C-A	40'-0"	647.74	28'-1"	14'-6"	189 SF
3C046I057R311.5	209+37	III-C-A	40'-0"	648.76	28'-1"	14'-6"	189 SF
3C046S017R014.2	127+50	III-C-A	40'-0"	657.90	7'-6"	6'-0"	174 SF
3C046S017L014.3	138+50	III-C-A	40'-0"	651.93	18'-1"	6'-0"	174 SF

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



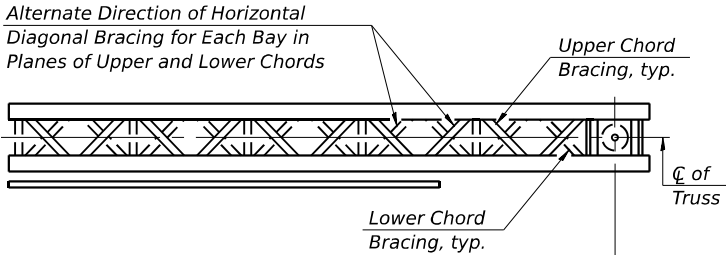
DESIGN WIND LOADING DIAGRAM

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

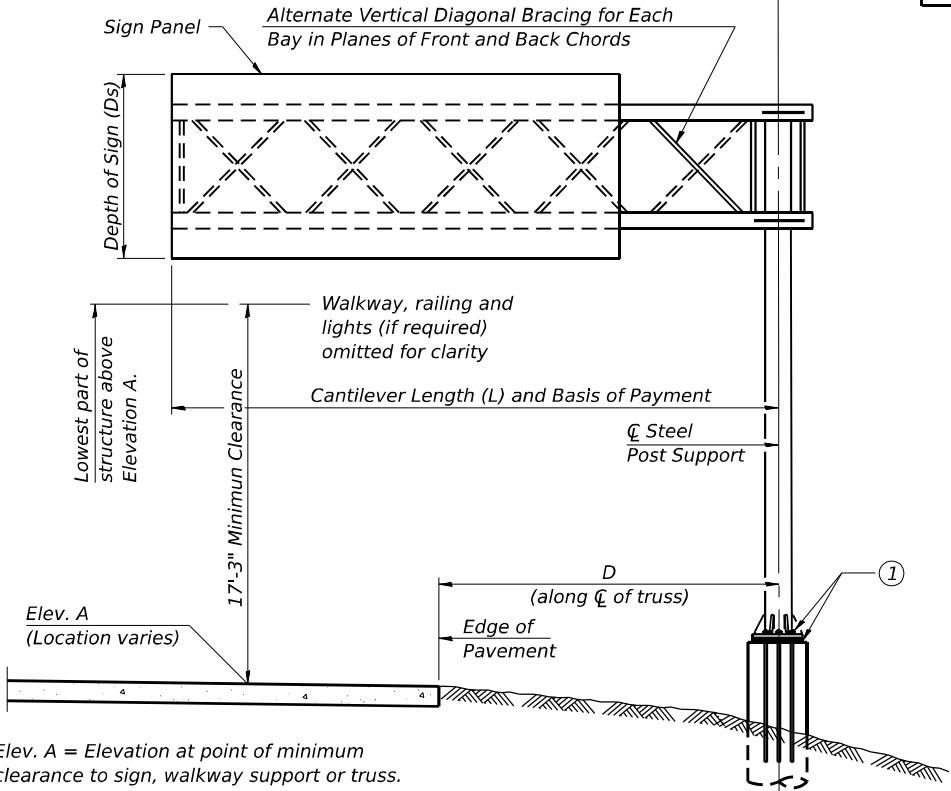
Note:
Trusses shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The contractor is responsible for maintaining the configuration and protection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

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

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



TYPICAL PLAN
(Walkway not shown)



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

TYPICAL ELEVATION

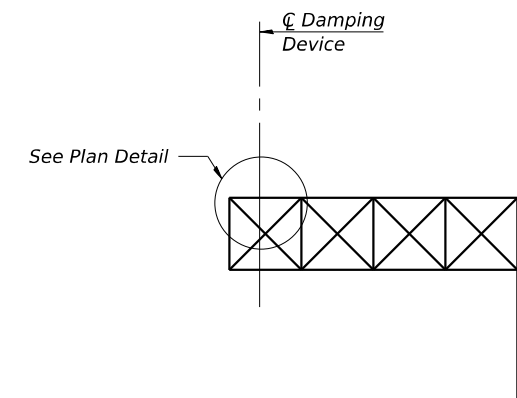
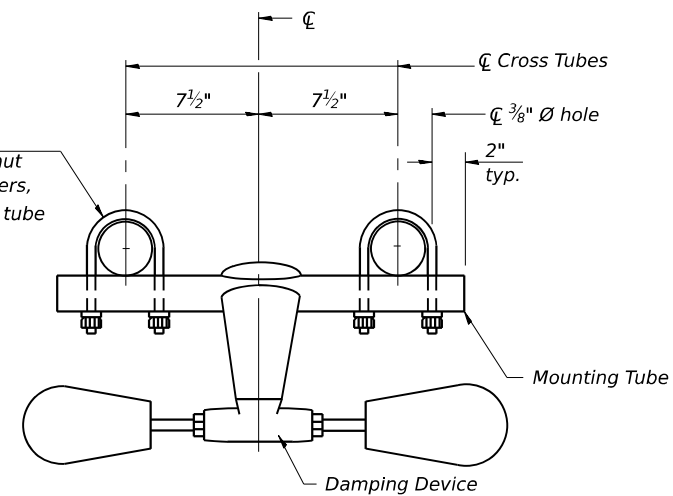
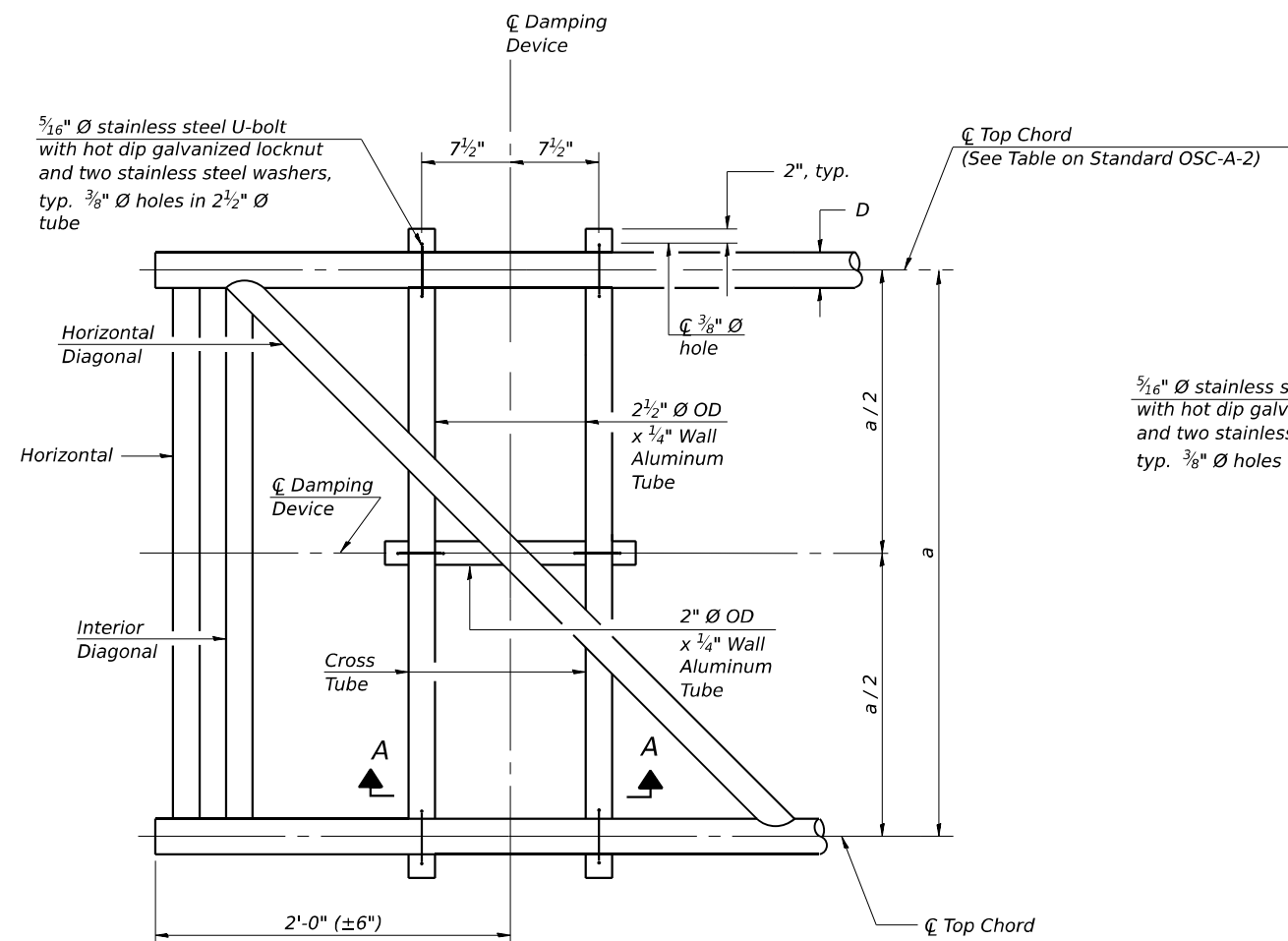
Looking in Direction of Traffic

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.

OSC-A-1

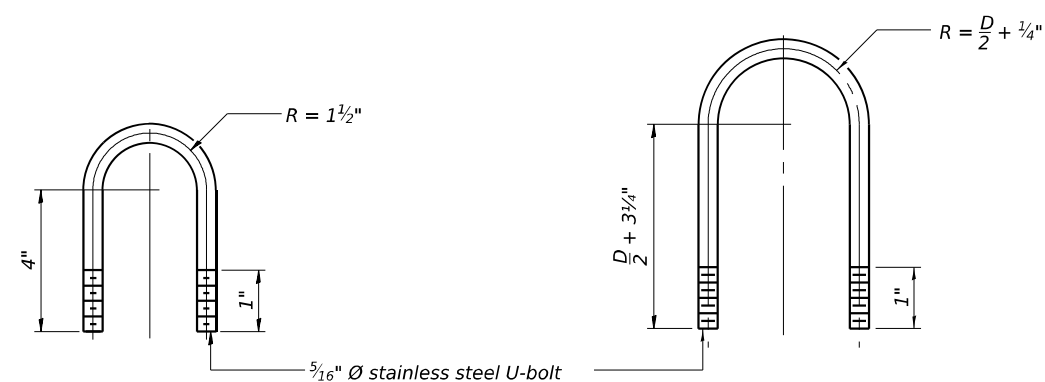
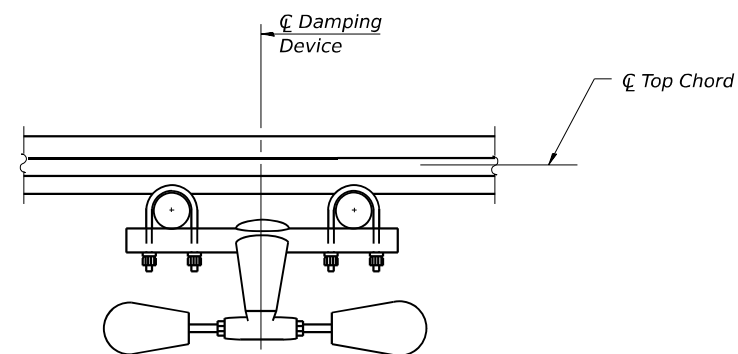
5-15-2023

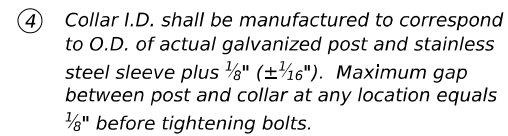
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	PLOT SCALE = 0.16666633 1/ IN.	CHECKED - DRB	REVISED -			57	(46-3)R,HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	532
	PLOT DATE = 4/23/2026	DRAWN - ZLD	REVISED -			CONTRACT NO. 66863				
		CHECKED - MDC	REVISED -			ILLINOIS FED. AID PROJECT				



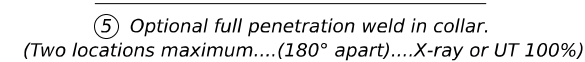
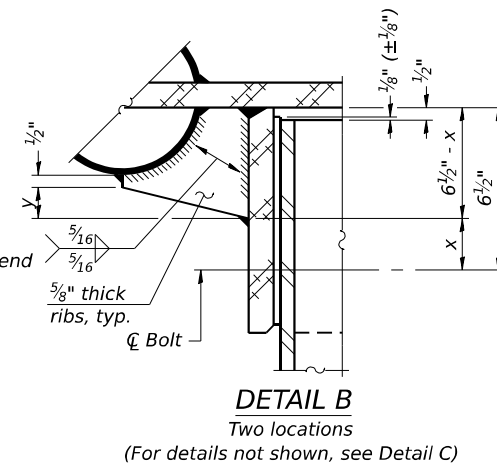
GENERAL NOTES

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





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



*Weld to post after galvanizing.
(Prepare post surface to insure
tight, uniform fit and allow welding.)
Welds to be 1½" long at 6" cts.
along top edge and at ¼" opening.*

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



(Typical rib)



Provide 8" x 4½" cover. Outside corners = 2¼" radius. Provide 4-5/16" Ø holes in cover for ¼" - 20 round head hot dip galvanized or stainless steel machine screws. (See cover details.)

DETAIL A

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

SIDE ELEVATION



5-15-2023

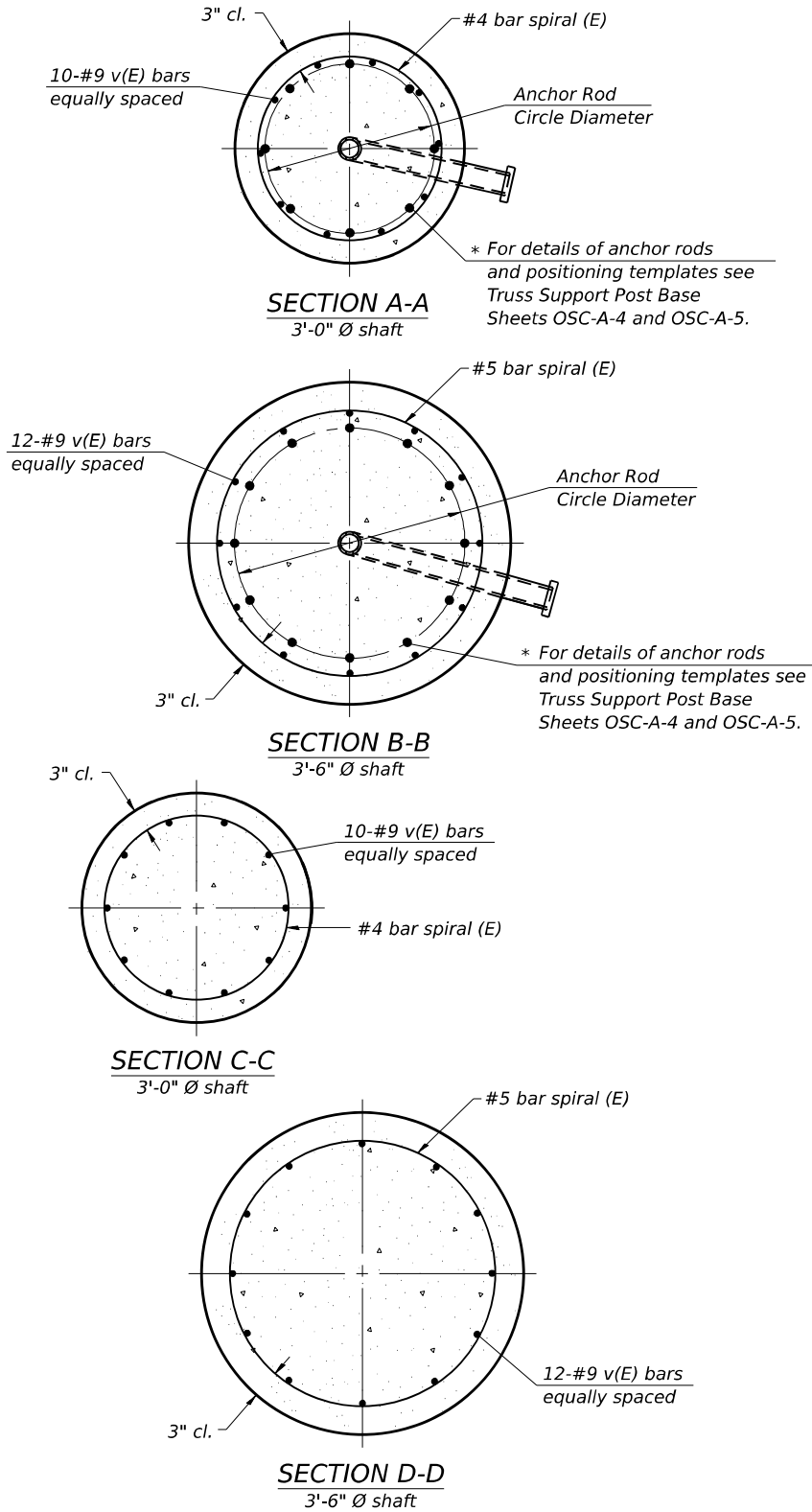
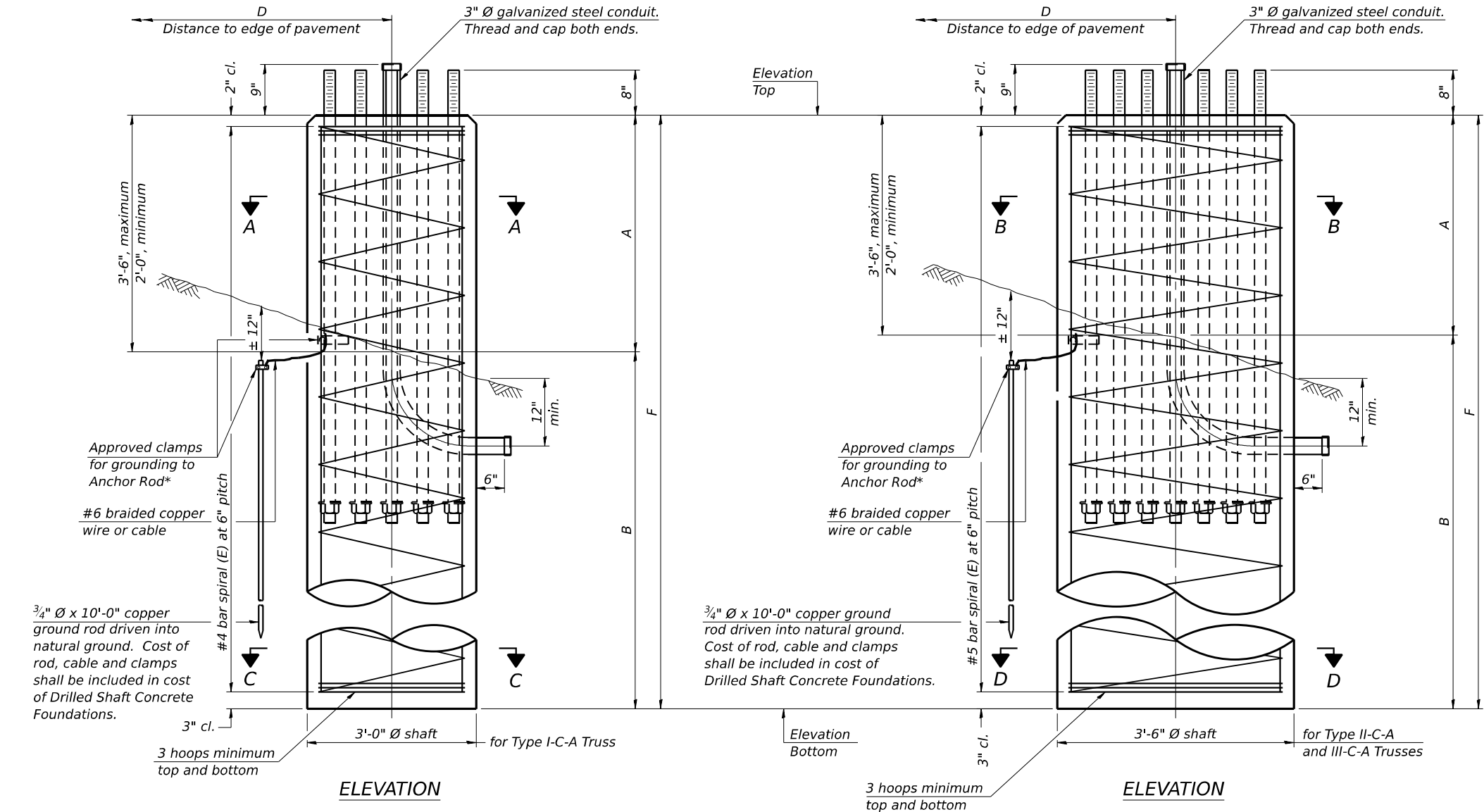


SHEET . OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R,HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	536
		CONTRACT NO. 66863		
		ILLINOIS	FED. AID PROJECT	

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

* Grind anchor rod to bright finish at ground clamp location before installing clamp.



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

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

FOUNDATION DATA TABLE										
Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Q_u	A	B	F	Class DS Concrete Cubic Yards
3C046I057L312.2	173+49	III-C-A	3'-6"	647.65	621.65	3.80 tsf	3'-0"	23'-0"	26'-0"	9.3
3C046I057R311.5	209+37	III-C-A	3'-6"	648.08	614.08	3.70 tsf	2'-0"	32'-0"	34'-0"	12.2
3C046S017R014.2	127+50	III-C-A	3'-6"	659.80	625.80	5.36 tsf	2'-0"	32'-0"	34'-0"	12.2
3C046S017L014.3	138+50	III-C-A	3'-6"	653.24	619.24	3.18 tsf	2'-0"	32'-0"	34'-0"	12.2

OSC-A-9 5-15-2023



Illinois Department
of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 8/12/25

ROUTE I-57 (FAI 57) DESCRIPTION I-57 & IL 17 Interchange Sign 127+50 LOGGED BY Larry Myers

SECTION (46-3)R, HBK, 5HBR, 6HBR LOCATION NE 1/4, SEC. 4, TWP. 30N, RNG. 13W, 2nd PM,
Latitude 41.1188, Longitude -87.83755

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H ft (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft	D E P T H ft (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)
BORING NO. 803 Station 127+55 Offset 58.5 ft Rt. Ground Surface Elev. 656.75 ft					Groundwater Elev.: First Encounter _____ Dry ft Upon Completion _____ Dry ft After _____ Hrs. _____ ft				
Augered Black Silty Clay Loam Fill					Hard Brown and Gray Silty Clay Till (continued)		6 8 10	6.8 S	23
654.25									
Stiff Brown and Gray Silty Clay		2 1 4	1.5 P	28			6 8 9	5.4 S	27
652.25									
Hard Brown and Gray Silty Clay Till	-5	4 6 7	4.2 S	22	Hard to Very Stiff Brown and Gray Clay with Minor Silt. Some Silty Clay Layers	-25	5 6 8	5.2 S	27
		6 8 12	6.8 S	21			4 6 7	4.1 S	24
	-10	5 7 11	6.8 S	21		-30	4 6 7	3.8 S	23
		5 8 11	7.0 S	20	Hard Gray Silty Clay Loam/Silty Loam Till - Brittle		10 10 18	>4.5 P	15
	-15	5 8 13	7.4 S	20		-35	12 14 27	>4.5 P	17
					End of Boring				
		5 9 11	7.3 S	21					
	-20					-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



Illinois Department
of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 8/5/25

ROUTE I-57 (FAI 57) DESCRIPTION I-57 & IL 17 Interchange Sign 127+50 LOGGED BY Larry Myers

SECTION (46-3)R, HBK, 5HBR, 6HBR LOCATION SW 1/4, SEC. 34, TWP. 31N, RNG. 12E, 3rd PM,
Latitude 41.11914, Longitude -87.83357

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. _____ Station _____		D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft	D E P T H	B L O W S	U C S	M O I S T
BORING NO. 808 Station 138+55 Offset 56.7 ft Lt. Ground Surface Elev. 651.72 ft	(ft)	(ft)	(/6")	(tsf)	(%)	Groundwater Elev.: First Encounter 621.7 ft▼ Upon Completion 621.7 ft▽ After _____ Hrs. _____ ft	(ft)	(/6")	(tsf)	(%)
Augered Black Silty Clay Loam Fill						Very Stiff to Stiff Gray Clay (continued)		WH		
								2	1.1	28
								2	B	
649.22										
Very Stiff Black Silty Clay Loam Fill, 1' Black Asphalt Millings, Black Silty Clay Loam		7						2		
		5	3.5	20				2	1.1	29
		4	P			627.72		2	B	
647.22										
Very Stiff Gray and Brown Silty Clay Till	-5					Very Stiff Gray Silty Clay Loam Till with Heavy Gravel Pieces	-25			
		1						3		
		3	2.6	23				4	2.5	14
		4	B					5	B	
		3						5		
		4	3.7	29				7	3.0	15
		5	B					31	B	
642.22										
Very Stiff Brown and Gray Silty Loam with Silt Pockets and Clay Layers - Superficial Water in Silt	-10						▽-30			
		2						18		
		3	3.0	22		620.72		31		11
		4	S			620.22		42		
639.72						Weathered Limestone Surface				
Very Stiff Gray Silty Clay						End of Boring				
		3								
		5	3.8	20						
		7	S							
637.22										
Very Stiff to Stiff Gray Clay	-15						-35			
		2								
		3	2.6	29						
		3	B							
WH = Weight of Hammer		WH								
		2	1.1	31						
		2	B							
	-20						-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

MODEL: 2D SHEET 1
FILE NAME: C:\PW\WORK\EX-PM\BENTLEY.COM\EX-PM\01\DD318680\366863-SHT-CANTILEVER SIGNS-007.DGN



QUIGG ENGINEERING INC

USER NAME = SALASL	DESIGNED - ZLD	REVISED -
CHECKED - DRB	REVISED -	
PLOT SCALE = 0.16666633 1/IN.	DRAWN - ZLD	REVISED -
PLOT DATE = 4/23/2026	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES
BORING LOGS

SHEET . OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R, HBK-1 & [(46-3)HB-5]HB-1	KANKAKEE	1183	538
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

Page 1 of 1

Date 8/14/25

SOIL BORING I-57 & IL 17 INTERCHANGE - SIGNALS & SIGNS.GPJ IL DOT.GDT 8/27/25

BBS, form 137 (Rev. 8-99)

Page 1 of 2

Date 11/26/25

SOIL BORING I-57 & IL 17 INTERCHANGE - SIGNALS & SIGNS GPJ IL DOT.GDT 12/3/25

BBS, form 137 (Rev. 8-99)



PROJECT

ILLINOIS		FED. AID PROJECT
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GENERAL NOTES FOR TRAFFIC SIGNALS

1.

THE CONTRACTOR SHALL CONTACT THE DISTRICT 3 TRAFFIC SIGNAL SECTION A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
2.

THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-8506 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
3.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.
4.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
5.

ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE LED.
6.

TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. TAN COLORED TRAFFIC AND PEDESTRIAN SIGNAL REUSABLE COVERS SHALL BE USED TO COVER DARK/UN-ENERGIZED SIGNAL SECTIONS AND VISORS. COVERS SHALL BE MADE OF OUTDOOR FABRIC WITH URETHANE COATING FOR REPELLING WATER, HAVE ELASTIC FULLY SEWN AROUND THE COVER ENDS FOR A TIGHT FIT OVER THE VISOR, AND HAVE A MINIMUM OF TWO STRAPS WITH BUCKLES TO SECURE THE COVER TO THE BACKPLATE. A CENTER MESH STRIP ALLOWS VIEWING WITHOUT REMOVAL FOR SIGNAL STATUS TESTING PURPOSES. COVERS SHALL INCLUDE A MESSAGE INDICATING THE SIGNAL IS NOT IN SERVICE. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
7.

A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED IN THE COST OF CONDUIT PAY ITEM.
8.

ALL CONDUIT IN TRENCH SHALL BE P.V.C., GALVANIZED STEEL OR PVC SCHEDULE 80 CONDUIT SHALL BE USED UNDER PAVEMENT, STABILIZED SHOULDER, PAVED MEDIAN, PAVED DRIVEWAY, CURB AND/OR GUTTER, AND SIDEWALK. CONDUIT ATTACHED TO STRUCTURE SHALL BE GALVANIZED STEEL.
9.

THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNALS ARE TURNED ON. COST TO BE INCLUDED IN THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.
10.

NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2.5' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
11.

ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
12.

ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
13.

ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLES AND JUNCTION BOXES WILL NOT BE ALLOWED.
14.

THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET.
15.

THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CHORD WITHIN THE POLICE DOOR COMPARTMENT. THIS WORK SHALL BE INCLUDED IN THE CONTROLLER CABINET PAY ITEM.
16.

THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
17.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
18.

BACKPLATES SHALL BE POLYCARBONATE, LOUVERED FORMED BACKPLATES, WITH FLORESCENT YELLOW SHEETING.
19.

ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE BACK HOUSING AND STEEL OR ALUMINUM BRACKETS.
20.

THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION. THE DOUBLE HANDHOLES INSTALLED CLOSE TO THE ROADWAY SHALL OPEN UP TOWARDS THE ROADWAY SO THE ELECTRICAL MAINTAINER IS NOT EXPOSED TO TRAFFIC WHEN WORKING.
21.

ALL UNINTERRUPTIBLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.
22.

ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 806 OF THE STANDARD SPECIFICATIONS.

23.

ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION.
24.

THE SURGE PROTECTOR IN THE CONTROLLER CABINET SHALL HAVE AN INDICATOR LIGHT.
25.

THE MAST ARM FOUNDATIONS SHALL BE LOCATED A MINIMUM 5' FROM THE FACE OF THE CURB OR A MINIMUM OF 18' FROM THE EDGE OF PAVEMENT TO THE FACE OF THE FOUNDATION WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IN CURB AREA, PROVIDE MORE THAN 6' IF POSSIBLE IF THE SIGNAL HEAD STILL LINES UP IN THE CENTER OF LANE.
26.

ONE WEEK PRIOR TO SIGNAL TURN-ON FOR BOTH DIRECTIONS, THE CHANGEABLE MESSAGE SIGNS SHOULD READ "NEW SIGNAL AHEAD /TURN ON DATE" FOR THREE WEEKS, AFTER THE SIGNALS ARE TURNED ON THE MESSAGE SIGN SHOULD READ "NEW SIGNAL AHEAD /BE PREPARED TO STOP", FOR FOUR WEEKS.
27.

ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.
28.

ALL TRAFFIC SIGNAL CONTROLLERS SHALL INCLUDE NTCIP AND SHALL HAVE SPACE AVAILABLE FOR VIDEO DETECTION EQUIPMENT.
29.

THE MAINLINE STOP BAR DETECTOR LOOPS SHALL BE GREEN EXTENDED SO THE DETECTOR LOOPS DETECT WHEN THERE IS A QUEUE OF TRAFFIC ONLY, AFTER THE QUEUE OF TRAFFIC IS DONE, THE DETECTOR LOOP SHALL NOT EXTEND TIME ANYMORE.
30.

ALL HANDHOLES AND DOUBLE HANDHOLES SHALL BE GROUNDED ACCORDING TO SECTION 806 OF THE STANDARD SPECIFICATIONS AND DETAILS AS SHOWN ON THE PLANS. THE COST OF GROUNDING SHALL BE INCLUDED WITH THE ASSOCIATED PAY ITEMS.
31.

ALL VIDEO DETECTION CAMERAS SHALL BE AUTOSCOPE.
32.

ALL ETHERNET SWITCHES SHALL BE CENTRACS.
33.

NO MIXING OF ECONOLITE AND YUNNEX/EAGLE EQUIPMENT IS PERMITTED.
34.

THE DISTRICT 3 TRAFFIC SIGNAL SECTION WILL SUPPLY DEPARTMENT OWNED EQUIPMENT TO INTEGRATE CELL PHONE MODEM COMMS INTO THE SYSTEM AT THE TIME OF TURN ON.

CABLE DIAGRAM LEGEND

	TRAFFIC SIGNAL CONTROLLER CABINET		VIDEO CAMERA CABLE SEE SPECIAL PROVISION FOR VIDEO VEHICLE DETECTION SYSTEM
	UNINTERRUPTIBLE POWER SUPPLY		SERVICE CABLE ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
	SERVICE INSTALLATION, GROUND MOUNTED METERED, 120V		LIGHTING CABLE ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10
	TRAFFIC SIGNAL HEAD WITH BACKPLATE		DETECTOR LOOP
	DENOTES NUMBER OF CONDUCTORS		VIDEO DETECTION
	PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN TIMER		MASTER CONTROLLER
	APS PUSHBUTTON		TELEPHONE CONNECTION
	VIDEO CAMERA		OPTICALLY PROGRAMMED SIGNAL HEAD
	PTZ CAMERA		LOOP INDUCTANCE DESIGNATION
	GROUND CABLE ROD AT CONTROLLER		EMERGENCY VEHICLE LIGHT DETECTOR
	GROUND ROD AT POST (P) OR MAST ARM (MA)		CONFIRMATION BEACON
	GROUND ROD AT HANDHOLE (H) OR DOUBLE HANDHOLE (DH)		

TRAFFIC SIGNAL LEGEND

		TRAFFIC SIGNAL CONTROLLER
		UNINTERRUPTIBLE POWER SUPPLY
		SERVICE INSTALLATION, GROUND MOUNTED METERED
		SIGNAL HEAD WITH BACKPLATE
		SIGNAL HEAD, PEDESTRIAN
		SIGNAL POST
		MAST ARM ASSEMBLY AND POLE, STEEL
		MAST ARM ASSEMBLY AND POLE, ALUMINUM
		COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		JUNCTION BOX
		UNDERGROUND CONDUIT
		APS PEDESTRIAN PUSHBUTTON
		VIDEO DETECTION CAMERA
		PTZ CAMERA
		DETECTOR LOOPS
		VIDEO DETECTION
UC		UNDERGROUND CONDUIT
ATS		ATTACHED TO STRUCTURE
SP	S	SYSTEM ITEM
IP	I	INTERSECTION ITEM
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		CELLULAR MODEM

MODEL: 2D SHEET 14
FILE NAME: C:\PWP\WORK\EXH-24\BENTLEY.COM EXH-24\DWG\01.D0160999\0368663-SHT-GENNOTES-ILL-7-01.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL	DESIGNED	-	AAF	REVISED	-
		DRAWN	-	AAF	REVISED	-
PLOT SCALE	= 0.16666633 1/ IN.	CHECKED	-	JA	REVISED	-
PLOT DATE	= 4/23/2026	DATE	-	04/22/2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL GENERAL NOTES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	540
CONTRACT NO. 66863				
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNALS SCHEDULE

NO.	CODE	PAY ITEM	UNIT	TOTAL QUANTITY	FAIRMONT AVE & IL 17	IL 17 & I-57 SPUJ	EASTRIDGE DR & IL 17	INTERCONNECT IL 17
1	72000100	SIGN PANEL - TYPE 1	SQ FT	192	38	99	55	-
2	72000200	SIGN PANEL - TYPE 2	SQ FT	65	42	-	23	-
3	80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	3	1	1	1	-
4	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	3,008	572	1,756	680	-
5	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	4,854	211	823	771	3,049
6	81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	652	28	544	80	-
7	81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	868	32	768	68	-
8	81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	251	-	251	-	-
9	81300830	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2	-	2	-	-
10	81300945	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH	6	-	6	-	-
11	81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	34	3	22	4	5
12	81400710	HEAVY-DUTY HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2	-	2	-	-
13	81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	11	1	8	2	-
14	81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	1,732	562	-	1,170	-
15	82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	8	3	-	5	-
16	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	5	1	2	1	1
17	86000100	MASTER CONTROLLER	EACH	1	-	-	-	1
18	86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	3	1	1	1	-
19	86400100	TRANSCEIVER - FIBER OPTIC	EACH	4	-	-	-	4
20	87100020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	4,506	-	-	-	4,506
21	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4,506	-	-	-	4,506
22	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	7,212	1,153	4,459	1,600	-
23	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	10,554	1,417	6,069	3,068	-
24	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	14,049	1,273	10,605	2,171	-
25	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	6,542	1,782	2,253	2,507	-
26	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	9,196	-	9,196	-	-
27	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	408	154	125	129	-
28	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	10,869	843	4,990	1,796	3,240
29	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	9	1	6	2	-
30	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	18	2	12	4	-
31	87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	3	-	2	1	-
32	87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	21	5	10	6	-
33	87700140	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	3	1	2	-	-
34	87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	2	-	2	-	-
35	87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1	-	1	-	-
36	87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	-	1	-	-
37	87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1	1	-	-	-

TRAFFIC SIGNALS SCHEDULE

NO.	CODE	PAY ITEM	UNIT	TOTAL QUANTITY	FAIRMONT AVE & IL 17	IL 17 & I-57 SPUI	EASTRIDGE DR & IL 17	INTERCONNECT IL 17
38	87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1	-	-	1	-
39	87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	2	1	-	1	-
40	87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	2	1	-	1	-
41	87703040	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1	-	-	1	-
42	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	106	17	64	25	-
43	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	12	4	4	4	-
44	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	57	10	47	-	-
45	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	114	43	26	45	-
46	87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21	-	-	21	-
47	87900200	DRILL EXISTING HANDHOLE	EACH	1	-	-	-	1
48	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	29	2	25	2	-
49	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	18	6	4	8	-
50	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	13	5	2	6	-
51	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	15	5	4	6	-
52	88057170	OPTICALLY PROGRAMMED SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4	-	4	-	-
53	88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	34	8	16	10	-
54	88500100	INDUCTIVE LOOP DETECTOR	EACH	24	-	24	-	-
55	88600300	DETECTOR LOOP, TYPE III	FOOT	2,620	-	2,620	-	-
* 56	88700200	LIGHT DETECTOR	EACH	13	4	4	5	-
* 57	88700300	LIGHT DETECTOR AMPLIFIER	EACH	3	1	1	1	-
58	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4	1	2	1	-
59	89502380	REMOVE EXISTING HANDHOLE	EACH	14	4	6	4	-
60	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	4	1	2	1	-
61	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	22	5	11	6	-
62	Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	4	1	2	1	-
63	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	5	1	2	1	1
64	X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	5	1	3	1	-
* 65	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	3,111	264	1,557	1,290	-
66	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	116	-	-	-	116
67	X8130125	REMOVE EXISTING JUNCTION BOX	EACH	6	2	2	2	-
68	X8250091	COMBINATION LIGHTING CONTROLLER	EACH	2	1	-	1	-
69	X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	2	1	-	1	-
70	X8570231	FULL-ACTUATED CONTROLLER AND TYPE V CABINET (SPECIAL)	EACH	1	-	1	-	-
71	X8710050	FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1	-	-	-	1
72	X8710103	ETHERNET SWITCH	EACH	4	-	-	-	4
73	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	33	8	16	9	-
74	X8809005	LED SIGNAL FACE, LENS COVER	EACH	281	74	117	90	-

* 100% COST TO CITY OF KANKAKEE

MODEL: 2D SHEET 11
FILE NAME: C:\PW\WORK\KEX-24\W.BENTLEY.COM\E19494W401.D00160999\0368663-SHT-GENNOTES-IL17-01B.DGN



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	DRAWN - AAF	REVISED -
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PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL SCHEDULE
SHEET 2 OF 3

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	542
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNALS SCHEDULE

NO.	CODE	PAY ITEM	UNIT	TOTAL QUANTITY	FAIRMONT AVE & IL 17	IL 17 & I-57 SPUI	EASTRIDGE DR & IL 17	INTERCONNECT IL 17
75	X8820014	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	79	18	39	22	-
76	X8860100	LOOP DETECTOR TESTING	EACH	14	-	14	-	-
77	X8891003	VIDEO VEHICLE DETECTION SYSTEM WITH REMOTE ACCESS	EACH	2	1	-	1	-
78	X8891102	REMOTE CONTROLLED TRAFFIC SIGNAL AND VIDEO SYSTEM	EACH	1	-	1	-	-
79	X8900100	TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	4	1	2	1	-
80	X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3	1	2	-	-
81	X8900108	PERMANENT TRAFFIC SIGNAL TIMING	EACH	4	1	2	-	1
82	X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	1	-	-	-	1

MODEL: 2D SHEET 14
FILE NAME: C:\PWA\WORK\KEXA-24\BENTLEY.COM_E\17494\W401.D0160999\0368663-SHT-CENNOTES-IL17-01C.DGN



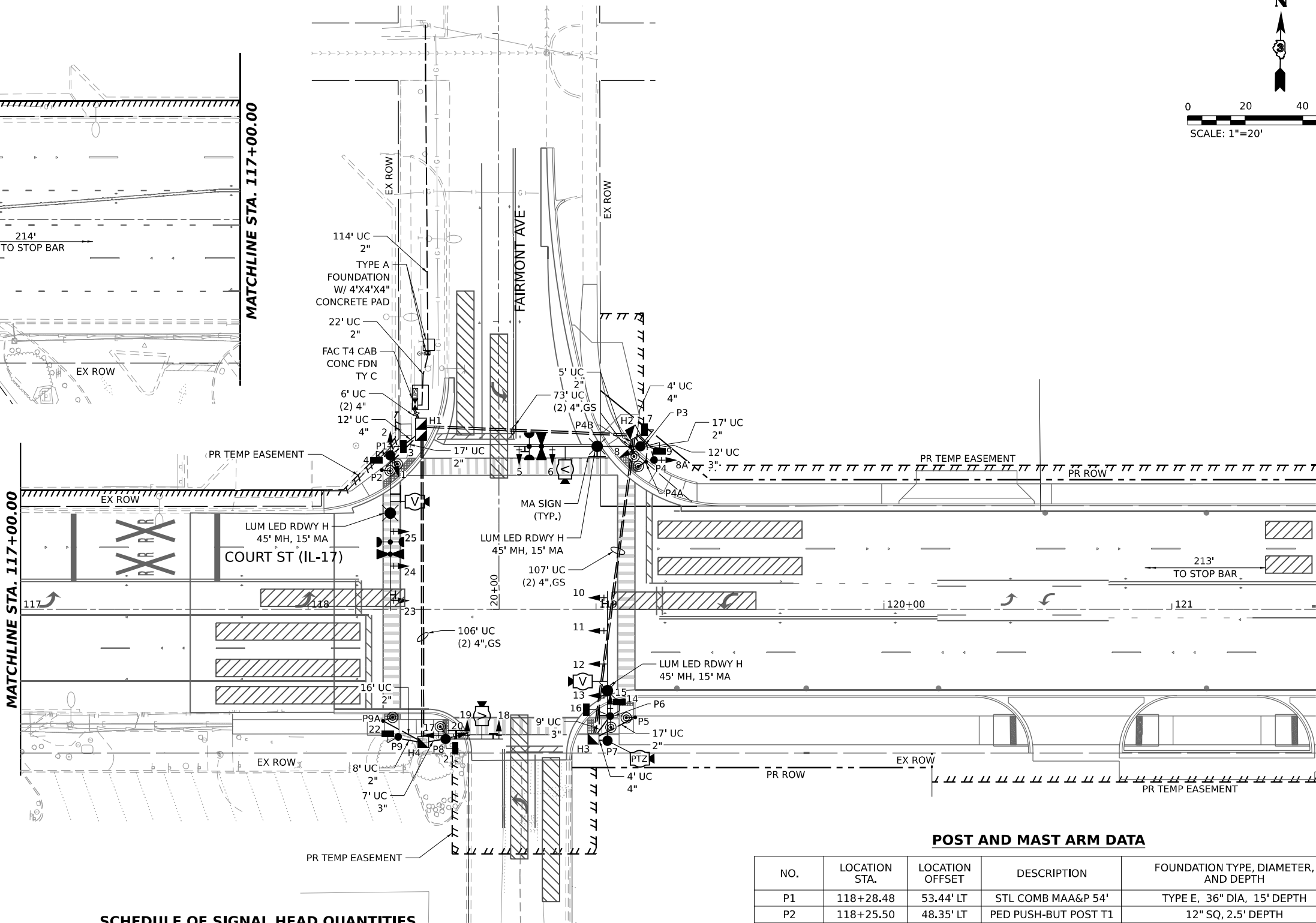
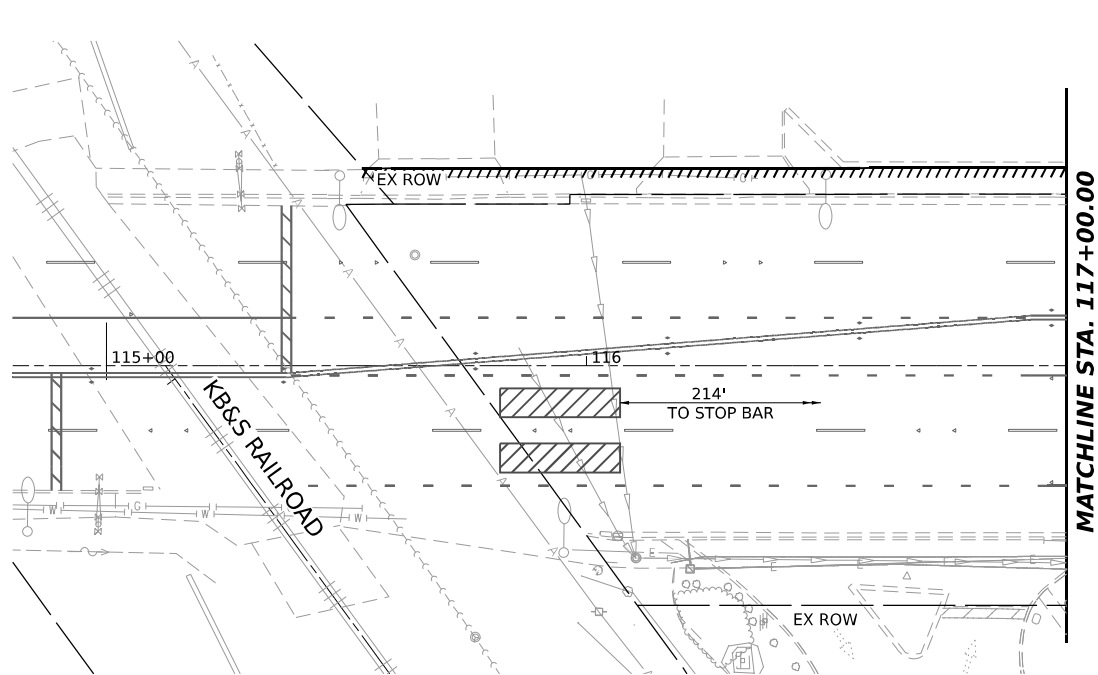
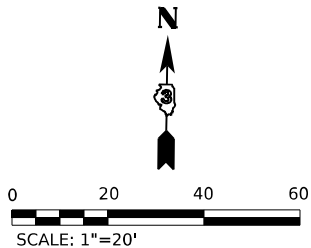
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	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL SCHEDULE
SHEET 3 OF 3

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	543
CONTRACT NO. 66863				
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. COMBINATION LIGHTING CONTROLLER TO BE LOCATED WITHIN THE TRAFFIC SIGNAL CONTROLLER.
2. THE FOUNDATION DEPTHS FOR THESE FOUNDATIONS SHALL BE 7 FEET AND DIFFER FROM THE STANDARD DEPTHS DUE TO POOR EXISTING SOIL CONDITIONS. SEE BORING LOGS FOR DETAILS.
3. ALL PUSHBUTTONS SHALL BE APS.

HANDHOLE DATA

NO.	LOCATION STA.	LOCATION OFFSET	DESCRIPTION
H1	118+39.18	62.44' LT	DOUBLE HANDHOLE
H2	119+12.67	61.44' LT	HANDHOLE
H3	118+99.00	45.06' LT	HANDHOLE
H4	118+39.85	46.20' RT	HANDHOLE

NOTE: H5 AND H6 NOT USED

SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY
2, 8A	SH P LED 1F 3S BM	EACH	1
6, 11, 12, 19, 24, 25	SH P LED 1F 3S MAM	EACH	7
1, 8, 15, 17, 20	SH P LED 1F 5S BM	EACH	5
5, 10, 13, 18, 23	SH P LED 1F 5S MAM	EACH	5
3, 4, 7, 9, 14, 16, 21, 22	PED SH P LED 1F BM CT	EACH	8

POST AND MAST ARM DATA

NO.	LOCATION STA.	LOCATION OFFSET	DESCRIPTION	FOUNDATION TYPE, DIAMETER, AND DEPTH
P1	118+28.48	53.44' LT	STL COMB MAA&P 54'	TYPE E, 36" DIA, 15' DEPTH
P2	118+25.50	48.35' LT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P3	119+15.35	56.59' LT	STL COMB MAA&P 44'	TYPE E, 36" DIA, 13' DEPTH
P4	119+20.08	51.81' LT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P4A	119+17.33	51.27' LT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P4B	119+11.80	56.59' LT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P5	119+13.50	37.58' RT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P6	119+04.85	37.08' RT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P7	119+03.94	45.66' RT	STL COMB MAA&P 52'	TYPE E, 36" DIA, 15' DEPTH
P8	118+47.70	45.05' RT	S MAA & P 20'	TYPE E, 30" DIA, 10' DEPTH
P9	118+31.26	44.31' RT	TS POST GALVS 10'	TYPE A, 24" DIA, 7' DEPTH (SEE NOTE 2)
P9A	118+26.00	38.81' RT	PED PUSH-BUT POST T1	12" SQ, 7' DEPTH (SEE NOTE 2)

MODEL: EVC IL17_IL17_PLN.dgn
FILE NAME: C:\P\WORK\EX-24\BENTLEY\COM EX-24\PLN.dgn
DATE: 4/23/2026



USER NAME = SALASL	DESIGNED - AAF	REVISED -
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PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

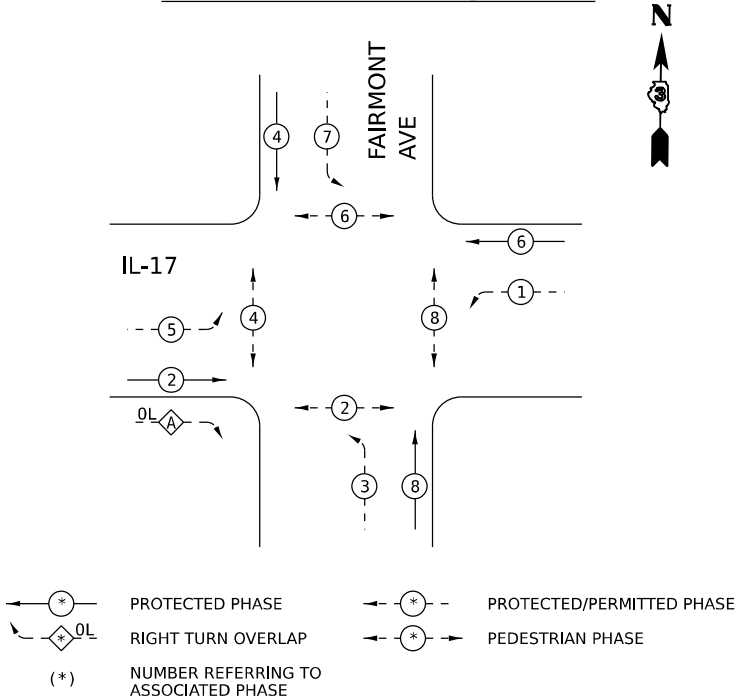
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
IL-17 AT FAIRMONT AVE

SCALE: 1"=20' SHEET . OF SHEETS STA. TO STA.

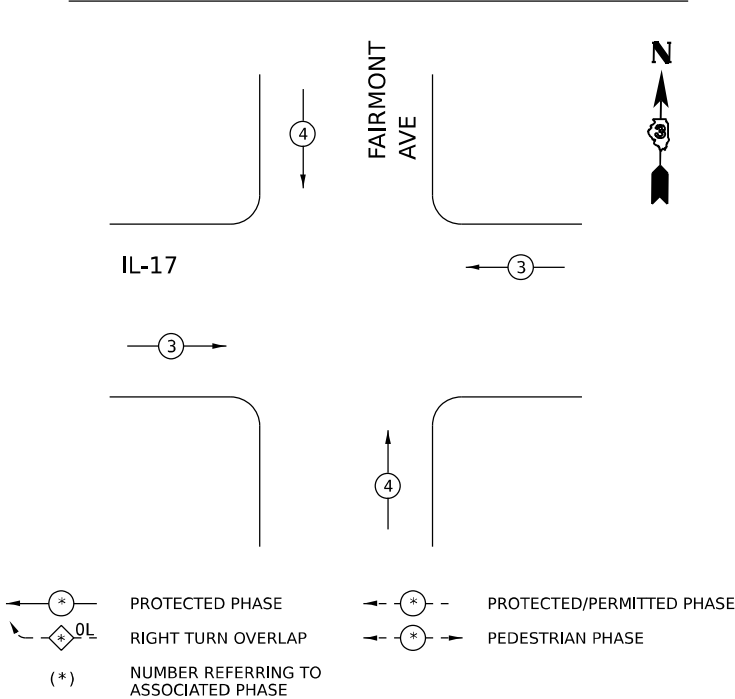
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	544
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION



PHASE DESIGNATION DIAGRAM

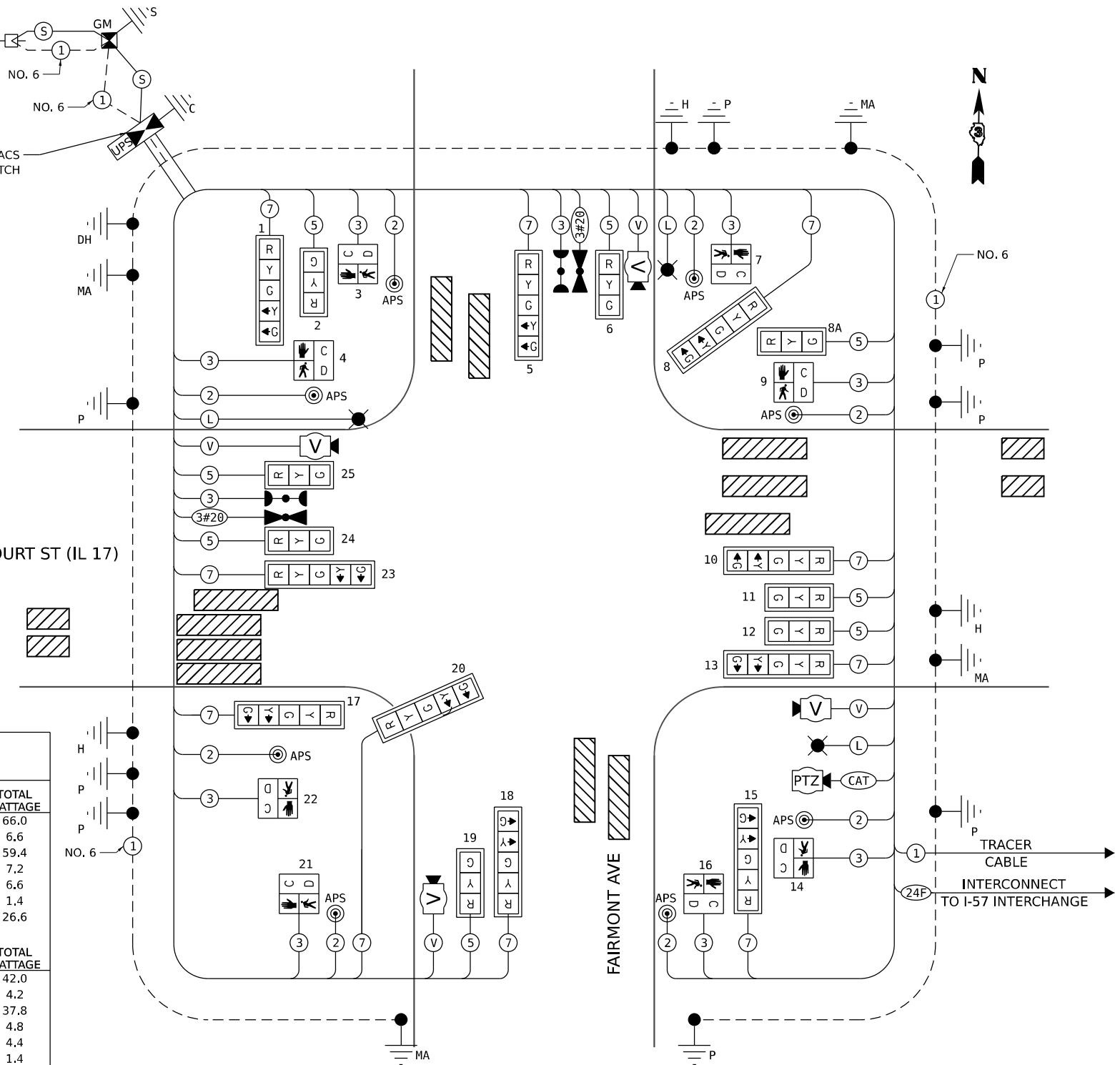
IL 17 AT FAIRMONT AVE ELECTRICAL LOAD CHART

IL 17 INDICATION	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
RED	11	12.0	50	66.0
YELLOW	11	12.0	5	6.6
GREEN	11	12.0	45	59.4
YELLOW ARROW	6	12.0	10	7.2
GREEN ARROW	6	11.0	10	6.6
PED SIGNAL - WALK	4	7.0	5	1.4
PED SIGNAL - DON'T WALK	4	7.0	95	26.6
FAIRMONT INDICATION	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
RED	7	12.0	50	42.0
YELLOW	7	12.0	5	4.2
GREEN	7	12.0	45	37.8
YELLOW ARROW	4	12.0	10	4.8
GREEN ARROW	4	11.0	10	4.4
PED SIGNAL - WALK	4	7.0	5	1.4
PED SIGNAL - DON'T WALK	4	7.0	95	26.6
TRAFFIC SIGNAL CABINET ITEM	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
CONTROLLER	1	100.0	100	100.0
UNINTERRUPTIBLE POWER SUPPLY	1	225.0	100	225.0
VIDEO VEHICLE DETECTION SYSTEM	1	150.0	100	150.0
BATTERY HEATER MAT	1	180.0	100	180.0
CABINET HEATER	1	200.0	100	200.0
NETWORK SWITCH	1	35.0	100	35.0
LUMINAIRE	3	185.0	50	277.5
TOTAL =				1,462.5

AGENCY RESPONSIBLE FOR ENERGY CHARGES: ILLINOIS DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
(NOT TO SCALE)



- NOTES:
1. THE TRAFFIC SIGNAL CONTROLLER AND OTHER EQUIPMENTS FOR THIS PROJECT SHALL BE "ECONOLITE".
 2. THE TRAFFIC SIGNAL CONTROLLER SHALL BE "ECONOLITE (COBALT)".
 3. ALL VIDEO DETECTION CAMERAS SHALL BE AUTOSCOPE.
 4. ALL ETHERNET SWITCHES SHALL BE "CENTRACS"
 5. THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

SEE SHEET 574 FOR COMBINATION LIGHTING CONTROLLER NOTES AND DETAILS



USER NAME = SALASL	DESIGNED - AAF	REVISED -
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PLOT SCALE = 0.16666633 1/ IN.	DATE - 04/22/2026	REVISED -
PLOT DATE = 4/23/2026		

TRAFFIC SIGNAL CABLE PLAN
IL-17 AT FAIRMONT AVE

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	545
CONTRACT NO. 66863				

ILLINOIS FED. AID PROJECT

BILL OF MATERIALS - IL 17 AT FAIRMONT AVE

CODE	PAY ITEM	UNIT	IL 17 & FAIRMONT AVE.
72000100	SIGN PANEL - TYPE 1	SQ FT	38
72000200	SIGN PANEL - TYPE 2	SQ FT	42
80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	572
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	211
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	28
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	32
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	562
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	3
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,153
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,417
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,273
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,782
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	154
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	843
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	5
87700140	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1
87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	17
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	43
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	5
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
* 88700200	LIGHT DETECTOR	EACH	4
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	4
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1

CODE	PAY ITEM	UNIT	IL 17 & FAIRMONT AVE.
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	1
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1
X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	264
X8130125	REMOVE EXISTING JUNCTION BOX	EACH	2
X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
X8809005	LED SIGNAL FACE, LENS COVER	EACH	74
X8820014	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	18
X8891003	VIDEO VEHICLE DETECTION SYSTEM WITH REMOTE ACCESS	EACH	1
X8900100	TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	1
X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
X8900108	PERMANENT TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO CITY OF KANKAKEE

MODEL: 2D SHEET 14
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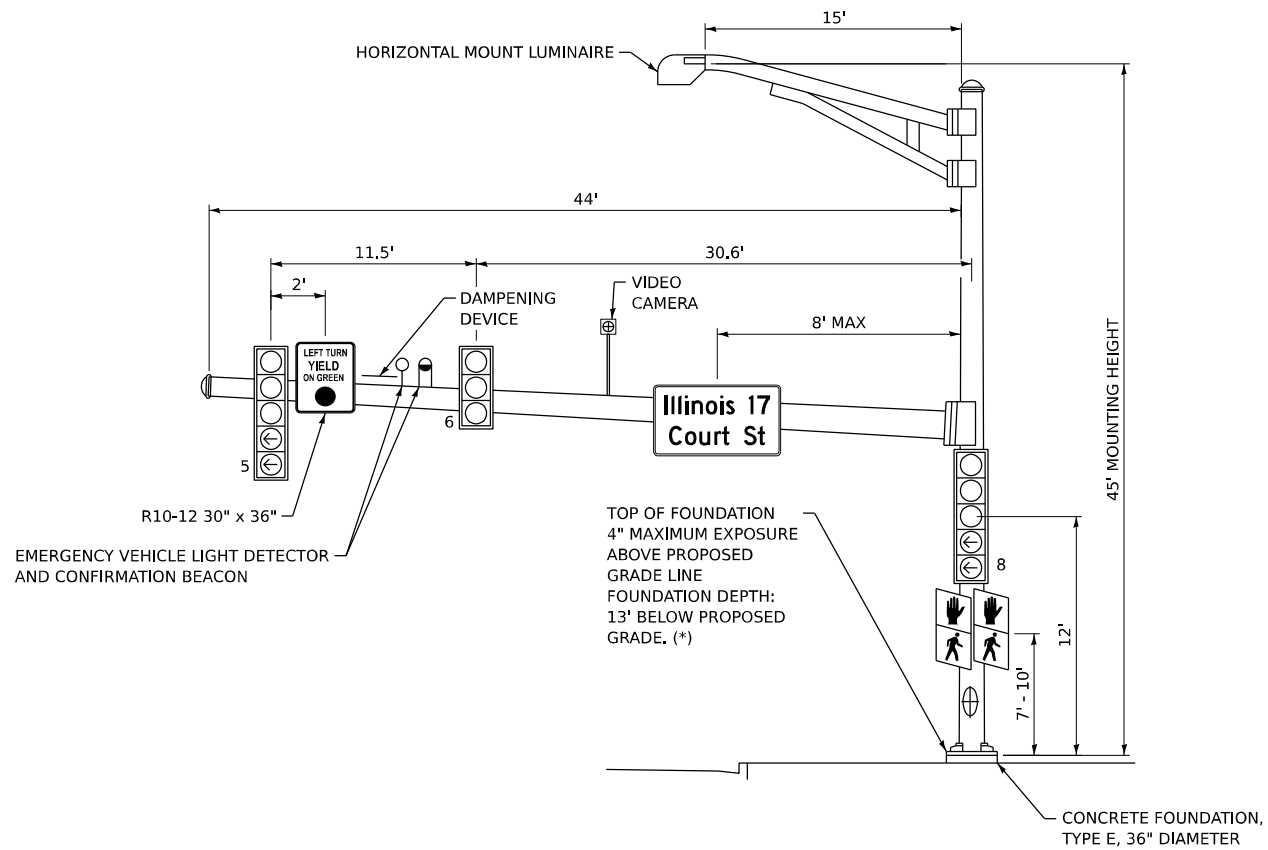


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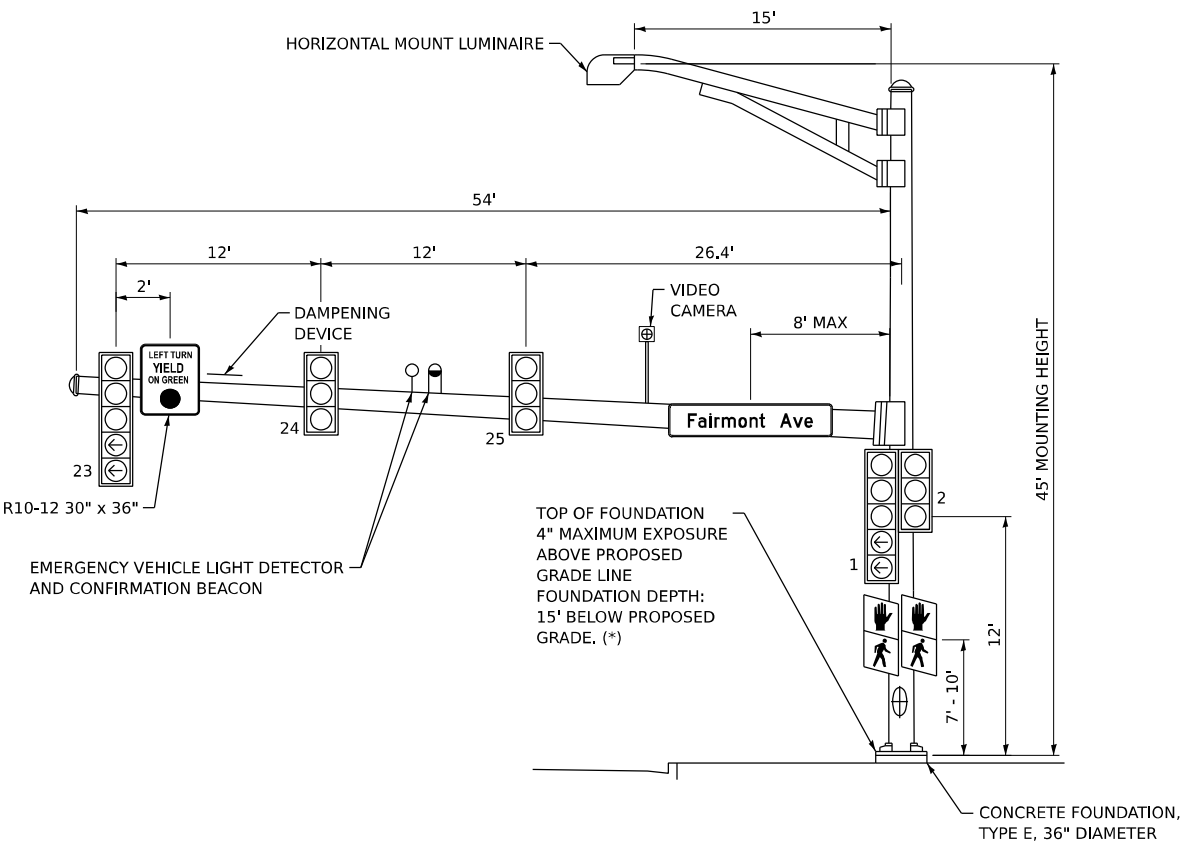
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS AND BILL OF MATERIALS IL-17 AT FAIRMONT AVE			
SCALE: NONE	SHEET .	OF SHEETS	STA. TO STA.

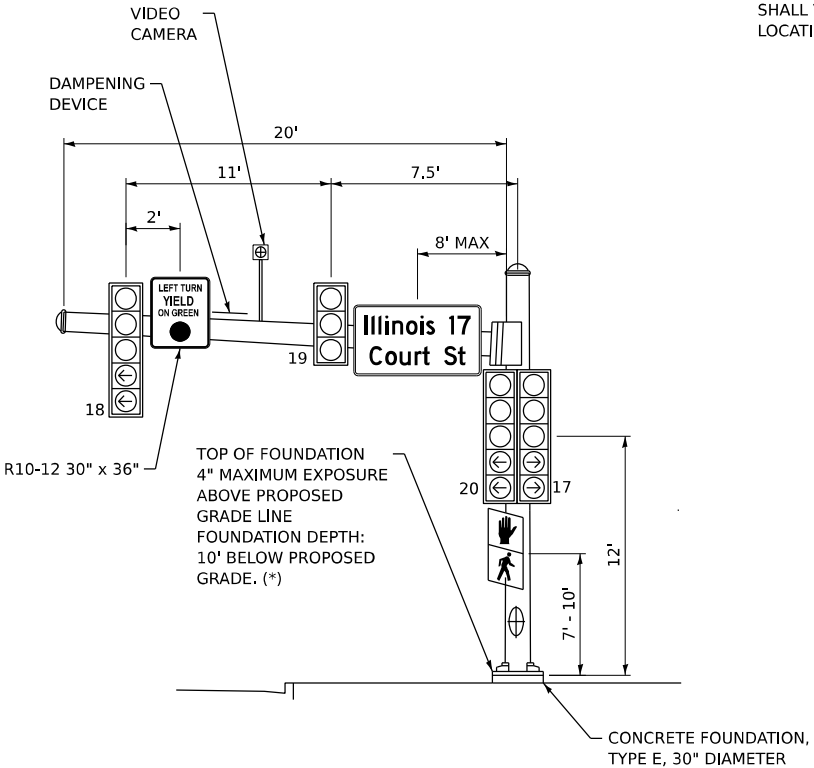
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	546
CONTRACT NO. 66863				
		ILLINOIS	FED. AID PROJECT	



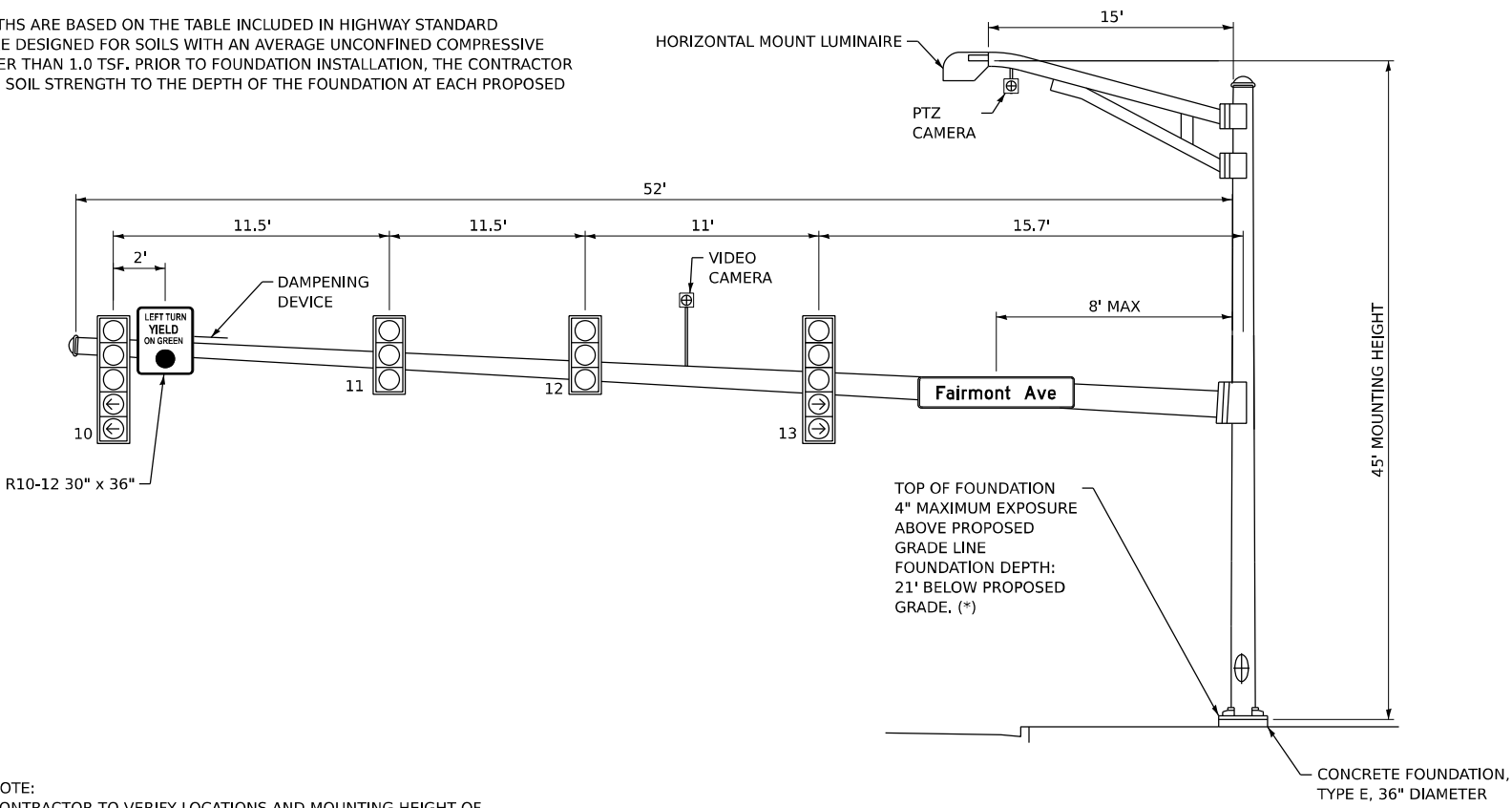
FAIRMONT AVE NB (NE QUADRANT) P3



COURT ST WB (NW QUADRANT) P1



FAIRMONT AVE SB (SW QUADRANT) P8



COURT ST EB (SE QUADRANT) P7

(*) FOUNDATION DEPTHS ARE BASED ON THE TABLE INCLUDED IN HIGHWAY STANDARD 878001 WHICH ARE DESIGNED FOR SOILS WITH AN AVERAGE UNCONFINED COMPRESSIVE STRENGTH GREATER THAN 1.0 TSF. PRIOR TO FOUNDATION INSTALLATION, THE CONTRACTOR SHALL VERIFY THE SOIL STRENGTH TO THE DEPTH OF THE FOUNDATION AT EACH PROPOSED LOCATION.

NOTE:
CONTRACTOR TO VERIFY LOCATIONS AND MOUNTING HEIGHT OF VIDEO DETECTION CAMERAS WITH MANUFACTURER AND TO FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR CAMERA PLACEMENT.

MODEL: 2D SHEET 11
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USER NAME = SALASL	DESIGNED - AAF	REVISED -
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PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	547
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

MODEL: EVC IL17_IL17_PLN-01
FILE NAME: C:\PWA\WORK\EX-24\BENTLEY\COM\EX-24\PLN-01\00160999\036863-SHT-TS-PLN-IL17-02.DGN

NOTES:

- THE CIRCUITS / WIRING SHALL RUN INSIDE THE TRAFFIC SIGNAL BRACKET PIPE AND THROUGH THE PRE-DRILLED OPENING IN THE GIRDER WEB TO THE JUNCTION BOX (A AND B). NO HOLES MAY BE DRILLED OR OPENINGS CUT IN THE BRIDGE GIRDERS UNDER ANY CIRCUMSTANCES.
- THE HORIZONTALLY MOUNTED OPTICALLY PROGRAMMED MAST ARM SIGNALS SHALL HAVE A VERTICAL CLEARANCE OF 15.5' FROM THE PAVEMENT ON COURT ST (IL 17).
- THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY COMPANY TO COORDINATE THE ELECTRIC SERVICE LOCATIONS AND WORK.
- CONDUITS ATTACHED TO STRUCTURE SHALL BE PVC COATED GALVANIZED STEEL.
- ALL DETECTOR LOOP INSTALLATIONS SHALL FOLLOW IDOT HIGHWAY STANDARD 886001. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1 1/4" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
- A SPARE PTZ CAMERA TO BE PROVIDED TO IDOT TRAFFIC SIGNAL SECTION AS A BACKUP.
- ALL PUSHBUTTONS SHALL BE APS.



QUIGG ENGINEERING INC

USER NAME	= SALASL
DESIGNED	- AAF
DRAWN	- AAF
PLOT SCALE	= 0.16666633 1/ IN.
PLOT DATE	= 4/23/2026

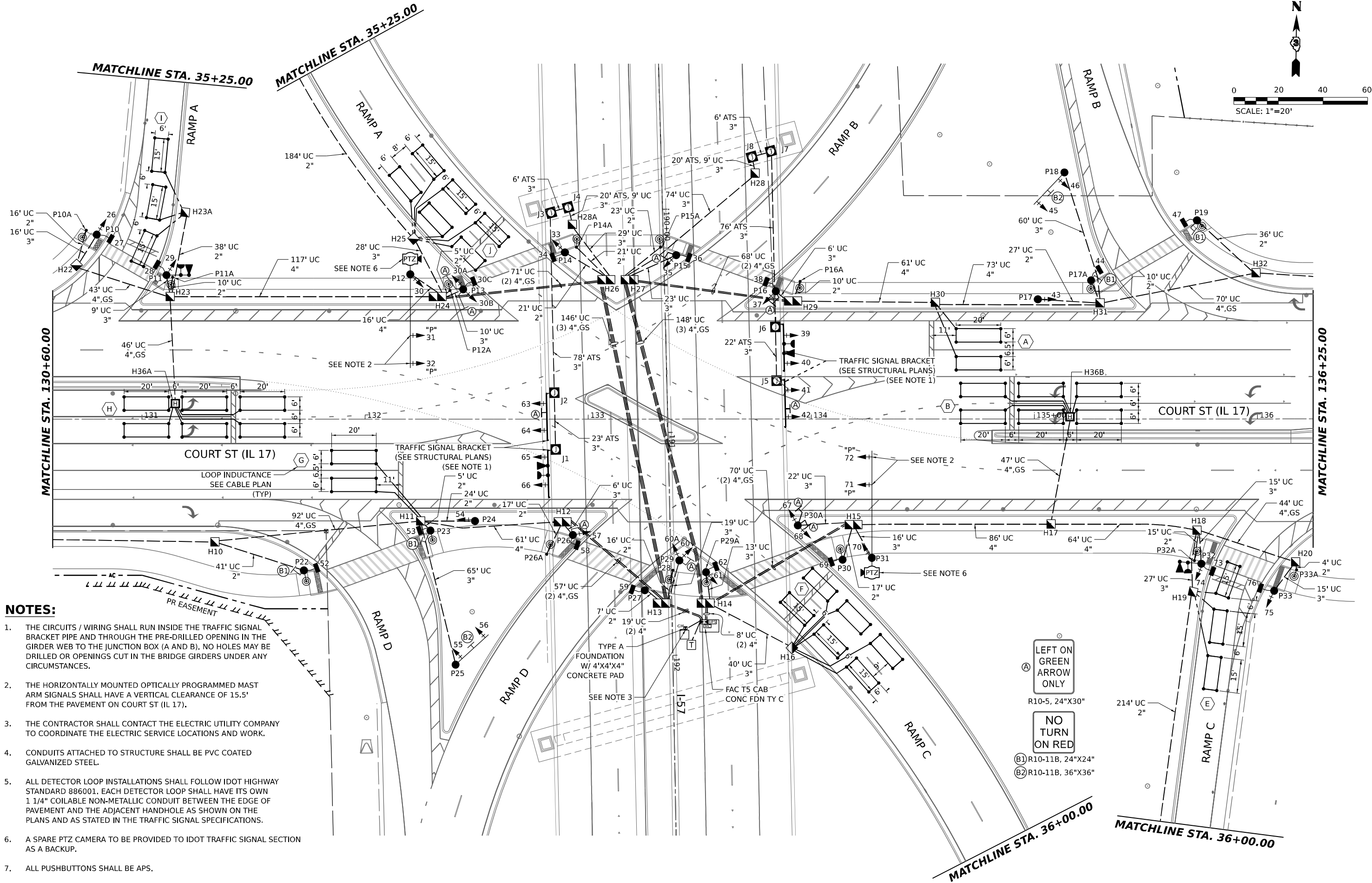
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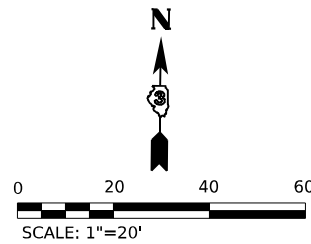
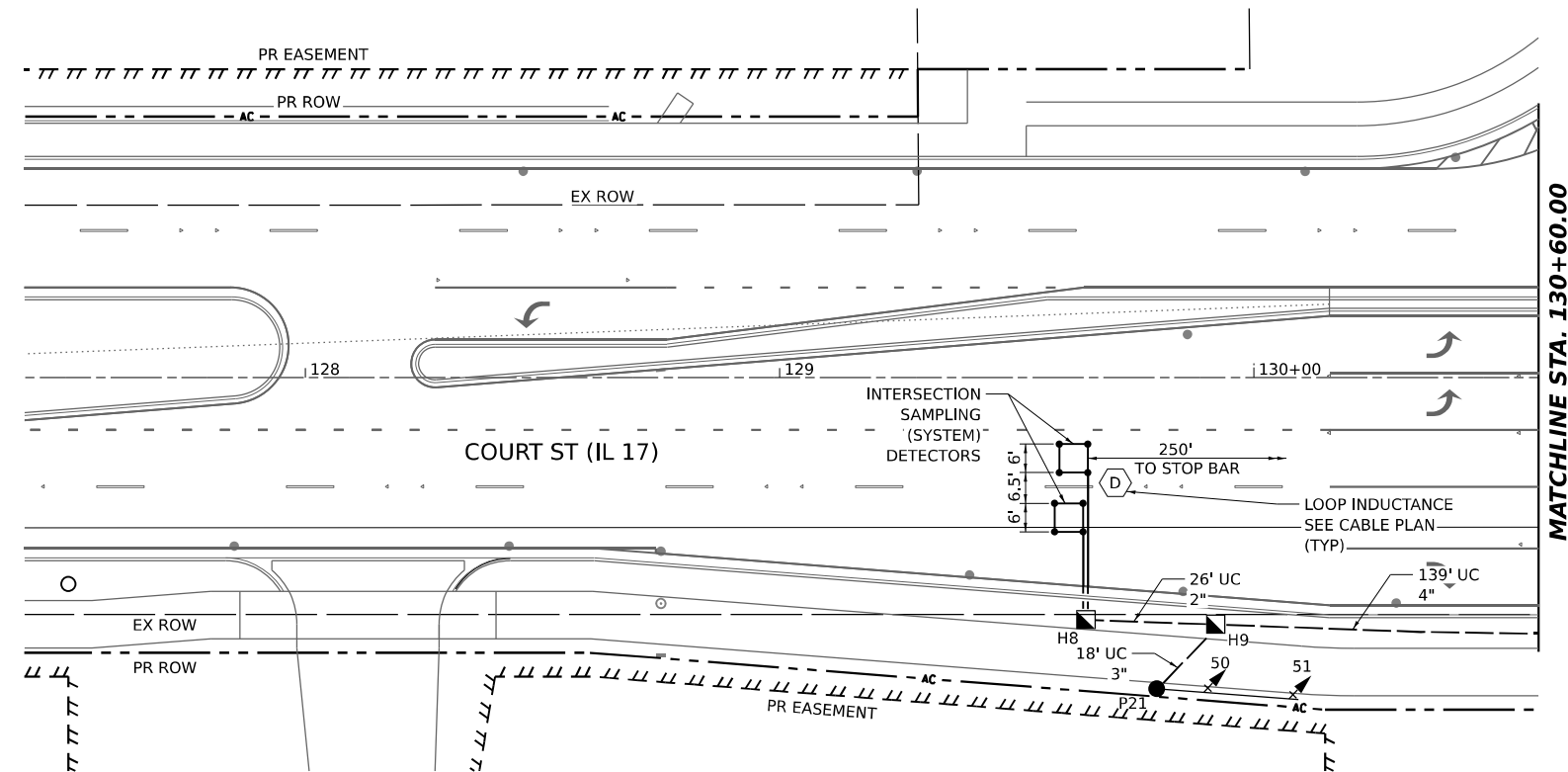
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN IL 17 AT I-57 SPU

SCALE: 1"=20' SHEET . OF SHEETS STA. TO STA.

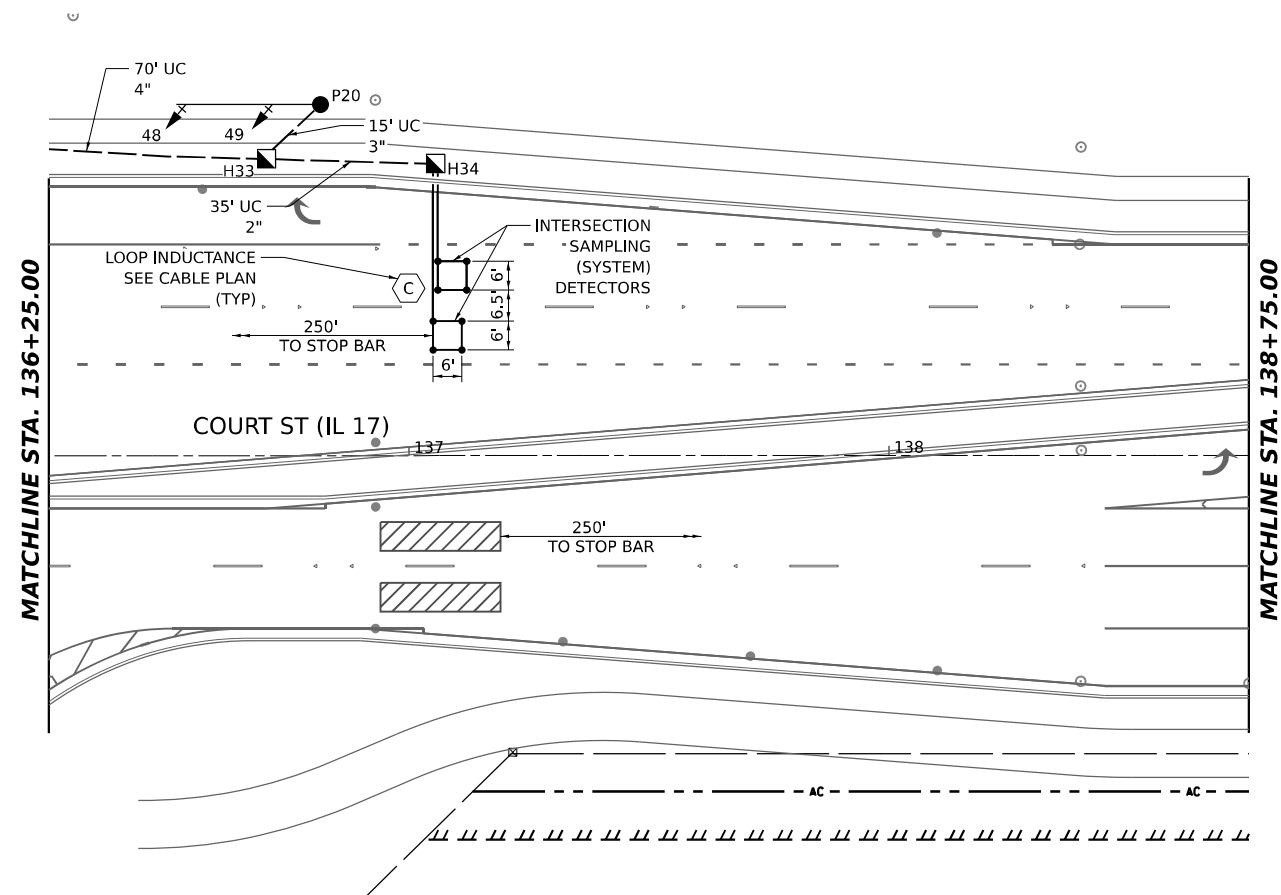
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R,HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	548
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				





NOTES:

- ALL DETECTOR LOOP INSTALLATIONS SHALL FOLLOW IDOT HIGHWAY STANDARD 886001. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1 1/4" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



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FILE NAME: C:\P\WORK\117_117_PLN.dgn
DATE: 4/23/2026



USER NAME	= SALASL
DESIGNED	- AAF
DRAWN	- AAF
CHECKED	- JA
DATE	- 04/22/2026

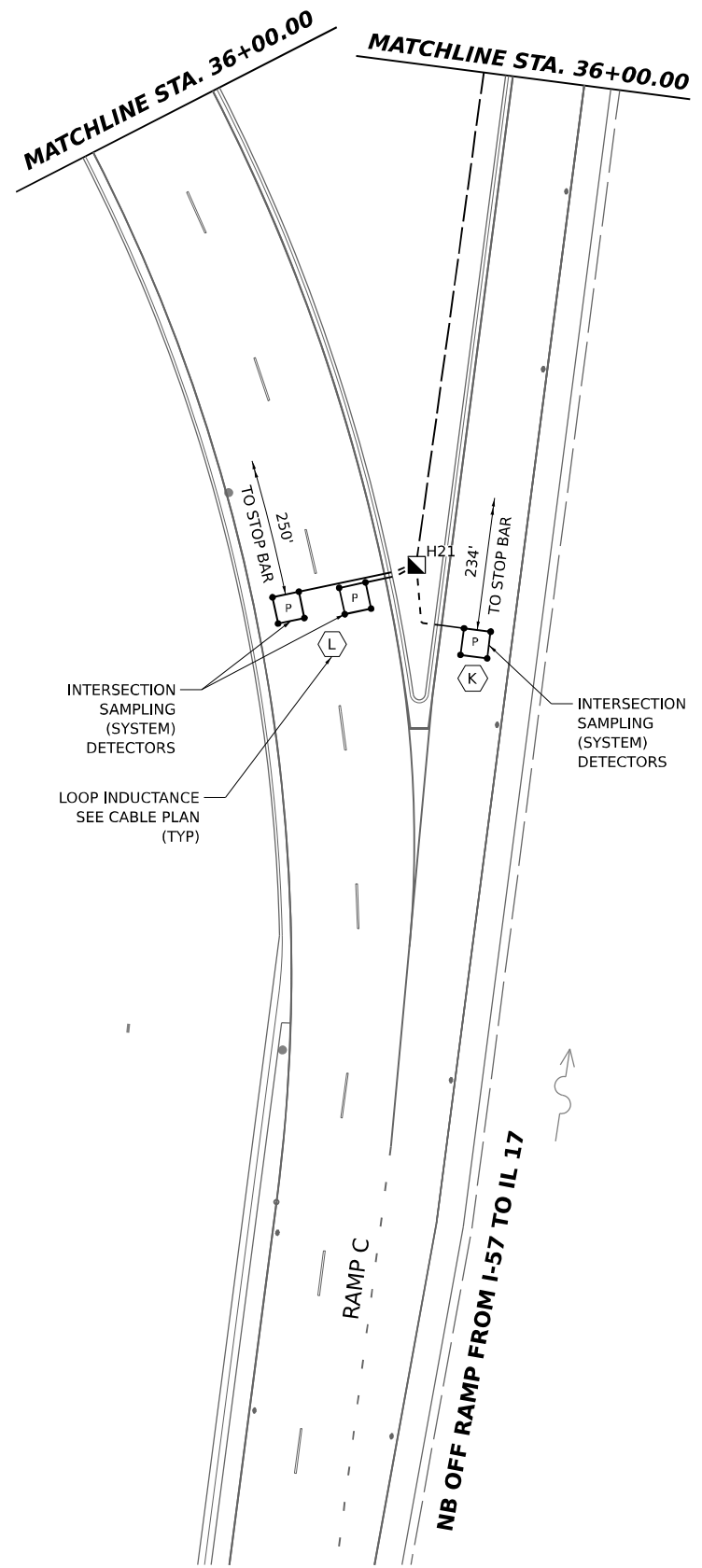
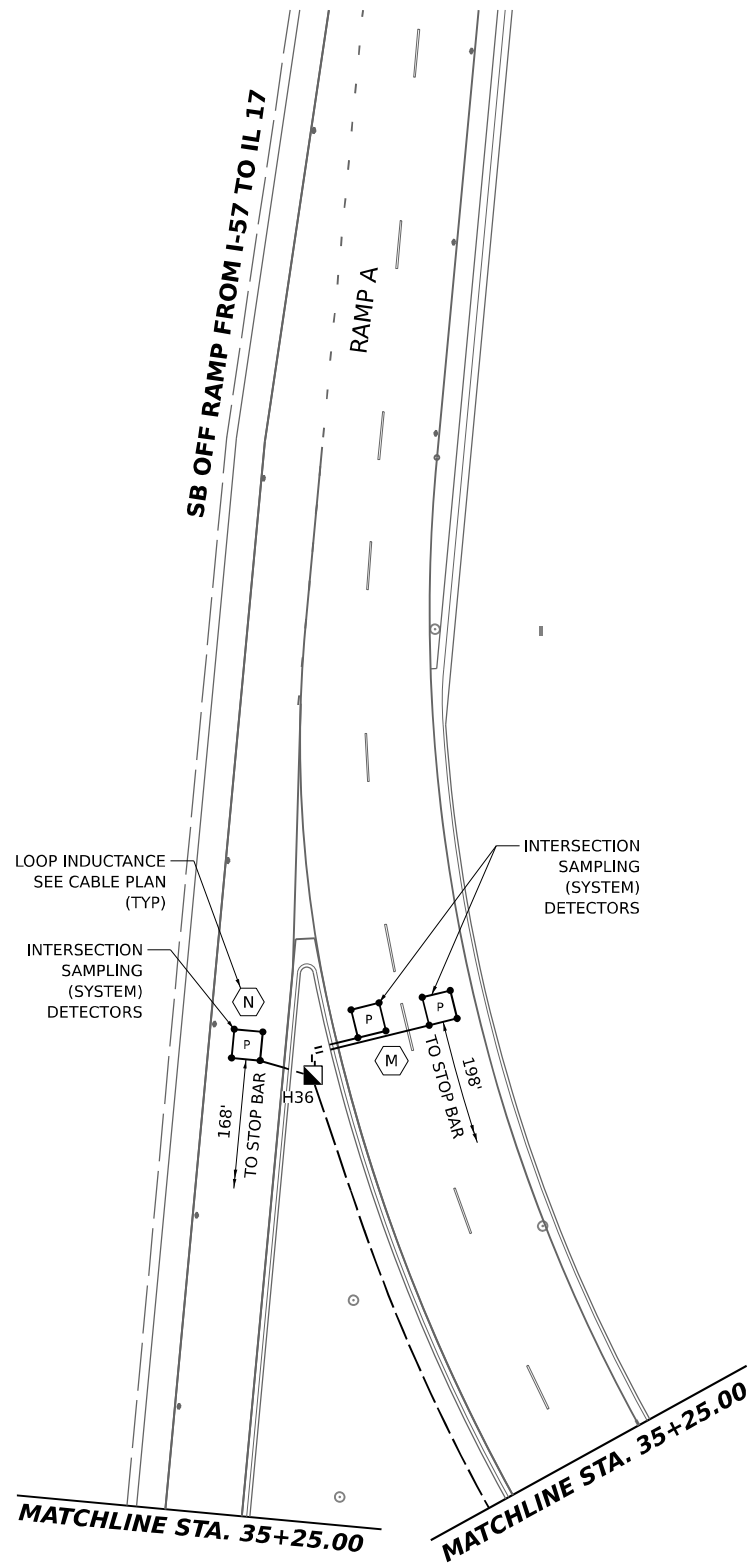
REVISED	-
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REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
IL 17 AT I-57 SPUI (STA 121 + 50.00 TO STA 130 + 60.00)

SCALE: 1"=20' SHEET . OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	549
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



- NOTES:**
- ALL DETECTOR LOOP INSTALLATIONS SHALL FOLLOW IDOT HIGHWAY STANDARD 886001.

MODEL: E:\C\117_117_PLN.dgn
FILE NAME: C:\P\WORK\117\BENTLEY.COM E:\C\117_117_PLN.dgn
CONTRACT NO. 66863



USER NAME	= SALASL	DESIGNED	- AAF	REVISED	-
DRAWN	- AAF	REVIS	-	REVIS	-
PLOT SCALE	= 0.16666633 1/ IN.	CHECKED	- JA	REVIS	-
PLOT DATE	= 4/23/2026	DATE	- 04/22/2026	REVIS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN IL 17 AT I-57 SPU (RAMP A AND RAMP C)			
SCALE: 1"=20'	SHEET .	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	550
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

HANDHOLE DATA

NO.	LOCATION STA.	LOCATION OFFSET	DESCRIPTION
H8	129+64.53	51.08' RT	HANDHOLE
H9	129+91.95	52.07' RT	HANDHOLE
H10	131+32.63	55.03' RT	HANDHOLE
H11	132+24.89	45.71' RT	HANDHOLE
H12	132+88.48	46.17' RT	DOUBLE HANDHOLE
H13	133+32.92	82.59' RT	DOUBLE HANDHOLE
H14	133+52.62	82.59' RT	DOUBLE HANDHOLE
H15	134+18.93	47.38' RT	DOUBLE HANDHOLE
H16	133+91.45	102.61' RT	HANDHOLE
H17	135+07.45	47.17' RT	HANDHOLE
H18	135+72.86	49.95' RT	HANDHOLE
H19	135+71.09	77.56' RT	HANDHOLE
H20	136+17.04	64.14' RT	HANDHOLE
H21	135+41.41	290.38' RT	HANDHOLE
H22	130+70.72	69.00' LT	HANDHOLE
H23	131+12.62	54.89' LT	HANDHOLE
H23A	131+19.35	92.65' LT	HANDHOLE
H24	132+32.53	54.87' LT	DOUBLE HANDHOLE
H25	132+21.84	80.83' LT	HANDHOLE
H26	133+08.11	62.41' LT	DOUBLE HANDHOLE
H27	133+18.57	62.41' LT	DOUBLE HANDHOLE
H28	133+74.83	110.18' LT	HANDHOLE
H28A	132+92.90	87.19' LT	HANDHOLE
H29	133+91.82	52.83' LT	DOUBLE HANDHOLE
H30	134+55.61	52.24' LT	HANDHOLE
H31	135+29.43	51.99' LT	HANDHOLE
H32	135+99.36	65.42' LT	HANDHOLE
H33	136+70.27	61.79' LT	HANDHOLE
H34	137+05.51	60.80' LT	HANDHOLE
H36	131+33.95	242.81' LT	HANDHOLE
H36A	131+15.00	7.02' LT	HEAVY DUTY HANDHOLE
H36B	135+16.00	1.00' LT	HEAVY DUTY HANDHOLE

POST AND MAST ARM DATA

NO.	LOCATION STA.	LOCATION OFFSET	DESCRIPTION	FOUNDATION TYPE, DIAMETER, AND DEPTH
P10	130+79.75	82.70' LT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P10A	130+75.05	84.66' LT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P11	131+11.04	64.57' LT	TS POST GALVS 18'	TYPE A, 24" DIA, 3' DEPTH
P11A	131+14.12	63.09' LT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P12	132+20.31	64.91' LT	S MAA & P 42'	TYPE E, 36" DIA, 13' DEPTH
P12A	132+38.07	57.67' LT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P13	132+44.04	58.14' LT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P14	132+89.63	74.73' LT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P14A	132+94.79	77.03' LT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P15	133+39.51	73.48' LT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P15A	133+32.47	77.03' LT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P16	133+84.13	57.27' LT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P16A	133+95.03	61.67' LT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P17	135+01.62	53.67' LT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P17A	135+25.49	62.17' LT	TS POST GALVS 10'	TYPE A, 24" DIA, 3' DEPTH
P18	135+13.57	110.55' LT	S MAA & P 20'	TYPE E, 30" DIA, 10' DEPTH
P19	135+72.96	89.04' LT	TS POST GALVS 10'	TYPE A, 24" DIA, 3' DEPTH
P20	136+81.47	74.90' LT	S MAA & P 30'	TYPE E, 30" DIA, 13.5' DEPTH
P21	129+79.51	65.57' RT	S MAA & P 30'	TYPE E, 30" DIA, 13.5' DEPTH
P22	131+72.61	67.79' RT	TS POST GALVS 10'	TYPE A, 24" DIA, 3' DEPTH
P23	132+29.35	49.98' RT	TS POST GALVS 10'	TYPE A, 24" DIA, 3' DEPTH
P24	132+49.30	45.67' RT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P25	132+40.58	110.08' RT	S MAA & P 20'	TYPE E, 30" DIA, 10' DEPTH
P26	132+93.15	51.94' RT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P26A	132+81.45	60.60' RT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P27	133+25.40	76.74' RT	TS POST GALVS 10'	TYPE A, 24" DIA, 3' DEPTH
P28	133+38.00	67.73' RT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P29	133+40.90	63.35' RT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P29A	133+52.86	68.67' RT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P30	134+14.05	63.05' RT	TS POST GALVS 10'	TYPE A, 24" DIA, 3' DEPTH
P30A	133+94.00	47.67' RT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P31	134+27.21	62.24' RT	S MAA & P 48'	TYPE E, 36" DIA, 13' DEPTH
P32	135+74.87	64.92' RT	TS POST GALVS 18'	TYPE A, 24" DIA, 3' DEPTH
P32A	135+71.75	63.56' RT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P33	136+07.50	77.03' RT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P33A	136+17.58	67.62' RT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH

JUNCTION BOX DATA

NO.	LOCATION STA.	LOCATION OFFSET	DESCRIPTION
←J1	132+85.47	13.60' RT	JUN BX SS AS 18X18X8
J2	132+84.88	11.82' LT	JUN BX SS AS 24X24X8
J3	132+83.39	92.56' LT	JUN BX SS AS 24X24X8
J4	132+91.08	94.95' LT	JUN BX SS AS 24X24X8
J5	133+84.52	17.20' LT	JUN BX SS AS 18X18X8
J6	133+83.97	41.34' LT	JUN BX SS AS 24X24X8
J7	133+81.94	120.10' LT	JUN BX SS AS 24X24X8
J8	133+73.47	117.50' LT	JUN BX SS AS 24X24X8

SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY
26, 29, 30, 30A, 30B, 33, 35, 37, 39, 40, 41, 42, 57, 60, 60A 61, 63, 64, 65, 66, 67, 68, 70, 74, 75	SH P LED 1F 3S BM	EACH	25
48, 49, 50, 51	SH P LED 1F 3S MAM	EACH	4
43, 54	SH P LED 1F 5S BM	EACH	2
55, 56, 45, 46	SH P LED 1F 5S MAM	EACH	4
27, 28, 30C, 34, 36, 38, 44, 47, 52, 53, 58, 59, 62, 69, 73, 76	PED SH P LED 1F BM CT	EACH	16
31, 32, 71, 72	OPSH P LED 1F 3S MAM	EACH	4

MODEL: EVC IL17_IL17 PLN-01
FILE NAME: C:\PW\WORK\EX-24\BENTLEY.COM\EX-24\PLN-01.DGN



QUIGG ENGINEERING INC

USER NAME = SALASL	DESIGNED - AAF	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DATA TABLES			
IL 17 AT I-57 SPUJ			
SCALE: NONE	SHEET .	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	551
				CONTRACT NO. 66863
		ILLINOIS	FED. AID PROJECT	

IL 17 AT I-57 SPUI
ELECTRICAL LOAD CHART

INDICATION	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
RED	24	12.0	50	144.0
YELLOW	14	12.0	5	8.4
GREEN	14	12.0	45	75.6
RED ARROW	15	12.0	50	90.0
YELLOW ARROW	31	12.0	10	37.2
GREEN ARROW	31	11.0	10	34.1
PED SIGNAL - WALK	16	7.0	5	5.6
PED SIGNAL - DON'T WALK	16	7.0	95	106.4

TRAFFIC SIGNAL CABINET ITEM	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
CONTROLLER	1	100.0	100	100.0
MASTER CONTROLLER	1	100.0	100	100.0
UNINTERRUPTIBLE POWER SUPPLY	1	225.0	100	225.0
BATTERY HEATER MAT	1	180.0	100	180.0
CABINET HEATER	1	200.0	100	200.0
NETWORK SWITCH	1	35.0	100	35.0
PTZ CAMERA	2	75.0	100	150.0

TOTAL = 1,491.3

AGENCY RESPONSIBLE FOR ENERGY CHARGES: ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP INDUCTANCE CHART

DETECTOR LOOP	TURNS PER LOOP	LOOP SIZE	INDUCTANCE READING	FREQUENCY (HERTZ)	J PIN STATUS
(A)	4	6'x20'	330	33596	OFF
(B)	4	6'x20'	313	34479	ON
(C)	6	6'x6'	382	31211	ON
(D)	4	6'x6'	216	41513	ON
(E)	4	6'x15'	275	36835	ON
(F)	4	6'x15'	224	40775	ON
(G)	4	6'x20'	294	35607	OFF
(H)	4	6'x20'	355	32411	ON
(I)	4	6'x15'	303	35071	ON
(J)	4	6'x15'	273	36939	ON
(K)	6	6'x6'	365	31944	ON
(L)	6	6'x6'	365	31944	ON
(M)	6	6'x6'	357	32295	ON
(N)	6	6'x6'	357	32295	ON

INTERSECTION SAMPLING (SYSTEM) DETECTORS

RAMP A

INTERSECTION SAMPLING (SYSTEM) DETECTORS

RAMP B

COURT ST (IL 17)

INTERSECTION SAMPLING (SYSTEM) DETECTORS

TRACER CABLE

INTERCONNECT TO FAIRMONT AVE

INTERSECTION SAMPLING (SYSTEM) DETECTORS

TRACER CABLE

INTERCONNECT TO EASTRIDGE DRIVE

CABLE PLAN
(NOT TO SCALE)

NOTES:

1. THE TRAFFIC SIGNAL CONTROLLER AND OTHER EQUIPMENTS FOR THIS PROJECT SHALL BE "ECONOLITE".
2. THE TRAFFIC SIGNAL CONTROLLER SHALL BE "ECONOLITE (COBALT)".
3. ALL ETHERNET SWITCHES SHALL BE "CENTRACS".
4. THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.
5. THE DISTRICT 3 TRAFFIC SIGNAL SECTION WILL SUPPLY DEPARTMENT OWNED EQUIPMENT TO INTEGRATE CELL PHONE MODEM COMMS INTO THE SYSTEM AT THE TIME OF TURN ON.



QUIGG ENGINEERING INC

USER NAME = SALASL

PLOT SCALE = 0.16666633 1/ IN.

PLOT DATE = 4/23/2026

DESIGNED - AAF

DRAWN - AAF

CHECKED - JA

DATE - 04/22/2026

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
IL-17 AT I-57 SPUI

SCALE: NONE

SHEET .

OF

SHEETS

STA.

TO STA.

F.A.I. RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

57

(46-3)R.HBK-1&[(46-3)HB-5]HB-1

KANKAKEE

1183

552

CONTRACT NO. 66863

ILLINOIS FED. AID PROJECT

SEQUENCE OF OPERATION (SHEET 1 OF 2)

PHASE	1+5								1+6				2+5				2+6																											
INTERVAL	1	2	3A	3B	4A	4B	5A	5B	6	7	8A	8B	9	10	11A	11B	12	13	14A	14B	14C	14D	15A	15B	15C	15D	16A	16B	16C	16D	17A	17B	17C	17D	18A	18B	18C	18D	19A	19B	19C	19D		
CHANGE TO			1+6		2+5		2+6				2+6				2+6				1+5 4+8				1+6				2+5				3+7				3+8				4+7					
IL 17 NEAR RIGHT ISLAND POST MOUNTED SIGNAL AND FAR RIGHT (WEST OF BRIDGE) MAST ARM SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	Y	R	R	R	Y	R	R	R	G	G	G	G	Y	R	R	R	Y	R	R	R	Y	R	R	R		
IL 17 TWO RIGHT BRIDGE MOUNTED SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	Y	R	R	R	Y	R	R	R	G	G	G	G	Y	R	R	R	Y	R	R	R	Y	R	R	R		
IL 17 FAR SIDE MAST ARM MOUNTED (HORIZONTAL) SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	G	Y	R	G	G	Y	R	G	G	G	G	G	G	Y	R	G	G	Y	R	G	G	Y	R			
IL 17 FAR LEFT, FAR SIDE LEFT ISLAND, AND BRIDGE MOUNTED TWO LEFT SIGNALS	E/B	←G	←G	←Y	←R	←G	←G	←Y	←R	←R	←R	←R	←G	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R		
IL 17 NEAR RIGHT ISLAND POST MOUNTED SIGNAL AND FAR RIGHT (EAST OF BRIDGE) MAST ARM SIGNALS	W/B	R	R	R	R	R	R	R	R	G	G	G	R	R	R	R	G	G	Y	R	R	R	G	G	G	G	Y	R	R	R	Y	R	R	R	Y	R	R	R	Y	R	R	R		
IL 17 TWO RIGHT BRIDGE MOUNTED SIGNALS	W/B	R	R	R	R	R	R	R	R	G	G	G	R	R	R	R	G	G	Y	R	R	R	G	G	G	G	Y	R	R	R	Y	R	R	R	Y	R	R	R	Y	R	R	R		
IL 17 FAR SIDE MAST ARM MOUNTED (HORIZONTAL) SIGNALS	W/B	R	R	R	R	R	R	R	R	G	G	G	R	R	R	R	G	G	G	Y	R	G	G	G	G	G	G	G	Y	R	G	G	Y	R	G	G	Y	R	G	G	Y	R		
IL 17 FAR LEFT, FAR SIDE LEFT ISLAND, AND BRIDGE MOUNTED TWO LEFT SIGNALS	W/B	←G	←G	←G	←G	←Y	←R	←Y	←R	←G	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R		
SOUTHBOUND EXIT RAMP FROM I-57 RIGHT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND MAST ARM SIGNALS	S/B	G→	G→	Y→	R	G→	G→	Y→	R	R	R	R	G→	G→	Y→	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
SOUTHBOUND EXIT RAMP FROM I-57 LEFT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND TWO FAR SIDE POST MOUNTED SIGNALS WITH LEFT ARROW INDICATIONS	S/B	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R
NORTHBOUND EXIT RAMP FROM I-57 RIGHT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND MAST ARM SIGNALS	N/B	G→	G→	G→	G→	Y→	R	Y→	R	G→	G→	Y→	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
NORTHBOUND EXIT RAMP FROM I-57 LEFT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND TWO FAR SIDE POST MOUNTED SIGNALS WITH LEFT ARROW INDICATIONS	N/B	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R
PEDESTRIAN SIGNALS - CROSSING S/B TO W/B EXIT RAMP ON THE NORTH SIDE OF IL 17	H	H	H	H	H	H	H	H	*P	**FH	H	H	H	H	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS - CROSSING S/B TO E/B EXIT RAMP ON THE NORTH SIDE OF IL 17	H	H	H	H	H	H	H	H	*P	**FH	H	H	H	H	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS - CROSSING E/B TO N/B ENTRANCE RAMP ON THE NORTH SIDE OF IL 17	H	H	H	H	H	H	H	H	*P	**FH	H	H	H	H	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS - CROSSING W/B TO N/B ENTRANCE RAMP ON THE NORTH SIDE OF IL 17	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS - CROSSING E/B TO S/B ENTRANCE RAMP ON THE SOUTH SIDE OF IL 17	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS - CROSSING W/B TO S/B ENTRANCE RAMP ON THE SOUTH SIDE OF IL 17	H	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS - CROSSING N/B TO W/B EXIT RAMP ON THE SOUTH SIDE OF IL 17	H	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS - CROSSING N/B TO E/B EXIT RAMP ON THE SOUTH SIDE OF IL 17	H	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	

PH = ILLUMINATED PERSON = WALK
 FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
 H = ILLUMINATED SOLID HAND = DON'T WALK
 PHASE 2 + 6 SHALL BE PLACED ON RECALL.
 * TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
 ** FLASHING "  " IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE

THIS "  " OR FLASHING "  " INTERVAL MAY FINISH TIMING IN THE BI-DIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "  " OR FLASHING "  " INTERVALS. "  " AND FLASHING "  " TIMINGS TO BE SET ONLY ON THE PHASES WHERE "  " AND FLASHING "  " ARE INDICATED IN THE SEQUENCE OF OPERATION

SEQUENCE OF OPERATION (SHEET 2 OF 2)

																					F L A S H								
	3+7							3+8			4+7			4+8															
	20							21A	21B	22A	22B	23A	23B	24	25A	25B	26	27A	27B	28		29A	29B	30A	30B	31A	31B	32A	32B
	CHANGE TO							3+8		4+7		4+8		4+8			4+8			1+5		1+6		2+5		2+6			
IL 17 NEAR RIGHT ISLAND POST MOUNTED SIGNAL AND FAR RIGHT (WEST OF BRIDGE) MAST ARM SIGNALS	E/B	R G→	R G→	R G→	R Y→	R	R Y→	R	R G→	R Y→	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
IL 17 TWO RIGHT BRIDGE MOUNTED SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
IL 17 FAR SIDE MAST ARM MOUNTED (HORIZONTAL) SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
IL 17 FAR LEFT, FAR SIDE LEFT ISLAND, AND BRIDGE MOUNTED TWO LEFT SIGNALS	E/B	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R		
IL 17 NEAR RIGHT ISLAND POST MOUNTED SIGNAL AND FAR RIGHT (EAST OF BRIDGE) MAST ARM SIGNALS	W/B	R G→	R Y→	R	R G→	R G→	R Y→	R	R	R	R	R G→	R Y→	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
IL 17 TWO RIGHT BRIDGE MOUNTED SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
IL 17 FAR SIDE MAST ARM MOUNTED (HORIZONTAL) SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
IL 17 FAR LEFT, FAR SIDE LEFT ISLAND, AND BRIDGE MOUNTED TWO LEFT SIGNALS	W/B	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R		
SOUTHBOUND EXIT RAMP FROM I-57 RIGHT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	G→	G→	G→	G→	Y→	R	Y→	R	Y→	R	Y→	R	Y→	R	R	R		
SOUTHBOUND EXIT RAMP FROM I-57 LEFT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND TWO FAR SIDE POST MOUNTED SIGNALS WITH LEFT ARROW INDICATIONS	S/B	←G	←Y	←R	←G	←G	←Y	←R	←R	←R	←R	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R		
NORTHBOUND EXIT RAMP FROM I-57 RIGHT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND MAST ARM SIGNALS	N/B	R	R	R	R	R	R	R	G→	G→	G→	R	R	R	G→	Y→	R	Y→	R	Y→	R	Y→	R	Y→	R	R	R		
NORTHBOUND EXIT RAMP FROM I-57 LEFT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND TWO FAR SIDE POST MOUNTED SIGNALS WITH LEFT ARROW INDICATIONS	N/B	←G	←G	←G	←Y	←R	←Y	←R	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R		
PEDESTRIAN SIGNALS - CROSSING S/B TO W/B EXIT RAMP ON THE NORTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DARK		
PEDESTRIAN SIGNALS - CROSSING S/B TO E/B EXIT RAMP ON THE NORTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DARK		
PEDESTRIAN SIGNALS - CROSSING E/B TO N/B ENTRANCE RAMP ON THE NORTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DARK		
PEDESTRIAN SIGNALS - CROSSING W/B TO N/B ENTRANCE RAMP ON THE NORTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DARK		
PEDESTRIAN SIGNALS - CROSSING E/B TO S/B ENTRANCE RAMP ON THE SOUTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DARK		
PEDESTRIAN SIGNALS - CROSSING W/B TO S/B ENTRANCE RAMP ON THE SOUTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DARK		
PEDESTRIAN SIGNALS - CROSSING N/B TO W/B EXIT RAMP ON THE SOUTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DARK		
PEDESTRIAN SIGNALS - CROSSING N/B TO E/B EXIT RAMP ON THE SOUTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	DARK		

P = ILLUMINATED PERSON = WALK
FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
H = ILLUMINATED SOLID HAND = DON'T WALK
PHASE 2 + 6 SHALL BE PLACED ON RECALL.
* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
** FLASHING "H" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE

Ø THIS "H" OR FLASHING "H" INTERVAL MAY FINISH TIMING IN THE BI-DIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "H" OR FLASHING "H" INTERVALS. "H" AND FLASHING "H" TIMINGS TO BE SET ONLY ON THE PHASES WHERE "H" AND FLASHING "H" ARE INDICATED IN THE SEQUENCE OF OPERATION.

MODEL: 2D SHEET 11
FILE NAME: C:\PW\WORK\EX-24\BENTLEY\COM\EX-24\W401.D00160999\0368663-SHT-25-CB\PLN-11-401B.DGN



USER NAME = SALASL	DESIGNED - AAF	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEQUENCE OF OPERATION
IL-17 AT I-57 SPU1

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	554
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1			1			1			6					6			9			9					12					12					12				
EMERGENCY VEHICLE PRE-EMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	1HH	1JJ	1KK	1LL	1MM	1NN	1PP	1QQ	1RR
CHANGE TO EMERGENCY VEHICLE PRE-EMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	1C	2	1E	1F	3, 5	1H	1J	4	1L	1M	1N	1P	2, 3, 5	1R	1S	4	1U	1V	2	1X	1Y	1Z	1AA	3, 4, 5	1CC	1DD	1EE	1FF	2	1HH	1JJ	1KK	1LL	3, 5	1NN	1PP	1QQ	1RR	4
IL 17 NEAR RIGHT ISLAND POST MOUNTED SIGNAL AND FAR RIGHT (WEST OF BRIDGE) MAST ARM SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	Y	R	R	R	G	G	G	G	G	G	Y	R	R	R	G	Y	R	R	R
IL 17 TWO RIGHT BRIDGE MOUNTED SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	Y	R	R	R	G	G	G	G	G	G	Y	R	R	R	G	Y	R	R	R
IL 17 FAR SIDE MAST ARM MOUNTED (HORIZONTAL) SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	Y	R	G	G	G	G	G	G	G	Y	R	G	G	G	Y	R	
IL 17 FAR LEFT, FAR SIDE LEFT ISLAND, AND BRIDGE MOUNTED TWO LEFT SIGNALS E/B	←G	←G	←G	←G	←Y	←R	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←G	←G	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	
IL 17 NEAR RIGHT ISLAND POST MOUNTED SIGNAL AND FAR RIGHT (EAST OF BRIDGE) MAST ARM SIGNALS W/B	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	G	G	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	Y	R	R	R	G	G	G	G	G
IL 17 TWO RIGHT BRIDGE MOUNTED SIGNALS W/B	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	G	G	R	R	R	R	R	R	R	R	G	Y	R	R	R	G	Y	R	R	R	G	G	G	G	G
IL 17 FAR SIDE MAST ARM MOUNTED (HORIZONTAL) SIGNALS W/B	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	G	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	G	Y	R	G	G	G	G	
IL 17 FAR LEFT, FAR SIDE LEFT ISLAND, AND BRIDGE MOUNTED TWO LEFT SIGNALS W/B	←G	←Y	←R	←G	←Y	←R	←G	←G	←G	←G	←Y	←R	←R	←R	←G	←G	←G	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	
SOUTHBOUND EXIT RAMP FROM I-57 RIGHT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND MAST ARM SIGNALS S/B	G→	Y→	R	G→	Y→	R	G→	Y→	R	R	R	R	R	R	R	R	R	G→	Y→	R	G→	G→	G→	Y→	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
SOUTHBOUND EXIT RAMP FROM I-57 LEFT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND TWO FAR SIDE POST MOUNTED SIGNALS WITH LEFT ARROW INDICATIONS S/B	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	
NORTHBOUND EXIT RAMP FROM I-57 RIGHT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND MAST ARM SIGNALS N/B	G→	Y→	R	G→	Y→	R	G→	Y→	R	G→	G→	G→	Y→	R	G→	Y→	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
NORTHBOUND EXIT RAMP FROM I-57 LEFT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND TWO FAR SIDE POST MOUNTED SIGNALS WITH LEFT ARROW INDICATIONS N/B	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	
PEDESTRIAN SIGNALS - CROSSING S/B TO W/B EXIT RAMP ON THE NORTH SIDE OF IL 17	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	FH	H	H	H	FH	H	H	H	H	H	
PEDESTRIAN SIGNALS - CROSSING S/B TO E/B EXIT RAMP ON THE NORTH SIDE OF IL 17	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	FH	H	H	H	FH	H	H	H	H	H	
PEDESTRIAN SIGNALS - CROSSING E/B TO N/B ENTRANCE RAMP ON THE NORTH SIDE OF IL 17	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	H	H	FH	H	H	H	FH	H	H	H	H	H	
PEDESTRIAN SIGNALS - CROSSING W/B TO N/B ENTRANCE RAMP ON THE NORTH SIDE OF IL 17	FH	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H		
PEDESTRIAN SIGNALS - CROSSING E/B TO S/B ENTRANCE RAMP ON THE SOUTH SIDE OF IL 17	FH	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H		
PEDESTRIAN SIGNALS - CROSSING W/B TO S/B ENTRANCE RAMP ON THE SOUTH SIDE OF IL 17	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	FH	H	H	H	H	FH	H	H	H	FH	H	H	H	H		
PEDESTRIAN SIGNALS - CROSSING N/B TO W/B EXIT RAMP ON THE SOUTH SIDE OF IL 17	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	FH	H	H	H	H	FH	H	H	H	FH	H	H	H	H		
PEDESTRIAN SIGNALS - CROSSING N/B TO E/B EXIT RAMP ON THE SOUTH SIDE OF IL 17	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	FH	H	H	H	H	FH	H	H	H	FH	H	H	H	H		

EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 4 OR 5 IS TERMINATED

MODEL: 2D SHEET 11
FILE NAME: C:\PW\WORK\EX-24\W.BENTLEY.COM EX-24\W401.D0160999\0368663-SHT-5-CB\PLN-11-2026.DGN



USER NAME = SALASL	DESIGNED -	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
IL-17 AT I-57 SPUI

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	555
			CONTRACT NO. 66863	
		ILLINOIS	FED. AID PROJECT	

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION (SHEET 2 OF 2)

																				PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	PREEMPTOR NUMBER 6	CLEAR TO NORMAL SEQUENCE
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	20		20		20		24		24	26		26	28		28		28							
EMERGENCY VEHICLE PRE-EMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1SS	1TT	1UU	1VV	1WW	1XX	1YY	1ZZ	1AAA	1BBB	1CCC	1DDD	1EEE	1FFF	1GGG	1HHH	1JJJ	1KKK	2	3	4	5		
CHANGE TO EMERGENCY VEHICLE PRE-EMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1TT	2, 4	1VV	3	1XX	5	1ZZ	2, 3, 4	5	1CCC	2, 4, 5	3	1FFF	2, 4	1HHH	3	1KKK	5						
IL 17 NEAR RIGHT ISLAND POST MOUNTED SIGNAL AND FAR RIGHT (WEST OF BRIDGE) MAST ARM SIGNALS	E/B	R _{Y→}	R	R _{Y→}	R	R _{Y→}	R	R _{Y→}	R	R _{Y→}	R	R	R	R	R	R	R	R	G	R	R	R	◇	
IL 17 TWO RIGHT BRIDGE MOUNTED SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	R	◇	
IL 17 FAR SIDE MAST ARM MOUNTED (HORIZONTAL) SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	R	◇	
IL 17 FAR LEFT, FAR SIDE LEFT ISLAND, AND BRIDGE MOUNTED TWO LEFT SIGNALS	E/B	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←R	←R	←R	◇	
IL 17 NEAR RIGHT ISLAND POST MOUNTED SIGNAL AND FAR RIGHT (EAST OF BRIDGE) MAST ARM SIGNALS	W/B	R _{Y→}	R	R _{Y→}	R	R _{Y→}	R	R	R	R _{Y→}	R	R _{Y→}	R	R	R	R	R	R	R	R	G	R	◇	
IL 17 TWO RIGHT BRIDGE MOUNTED SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇	
IL 17 FAR SIDE MAST ARM MOUNTED (HORIZONTAL) SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇	
IL 17 FAR LEFT, FAR SIDE LEFT ISLAND, AND BRIDGE MOUNTED TWO LEFT SIGNALS	W/B	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←R	◇	
SOUTHBOUND EXIT RAMP FROM I-57 RIGHT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	R	Y→	R	G→	Y→	R	G→	G→	Y→	R	R	G→	R	R	◇	
SOUTHBOUND EXIT RAMP FROM I-57 LEFT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND TWO FAR SIDE POST MOUNTED SIGNALS WITH LEFT ARROW INDICATIONS	S/B	←Y	←R	←G	←G	←Y	←R	←R	←R	←Y	←R	←G	←R	←R	←R	←R	←R	←R	←R	←G	←R	←R	◇	
NORTHBOUND EXIT RAMP FROM I-57 RIGHT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND MAST ARM SIGNALS	N/B	R	R	R	R	R	Y→	R	G→	R	R	R	Y→	R	Y→	R	G→	G→	R	R	R	G→	◇	
NORTHBOUND EXIT RAMP FROM I-57 LEFT TURN MOVEMENT - NEAR RIGHT, NEAR LEFT, AND TWO FAR SIDE POST MOUNTED SIGNALS WITH LEFT ARROW INDICATIONS	N/B	←Y	←R	←Y	←R	←G	←Y	←R	←G	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	◇	
PEDESTRIAN SIGNALS - CROSSING S/B TO W/B EXIT RAMP ON THE NORTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇	
PEDESTRIAN SIGNALS - CROSSING S/B TO E/B EXIT RAMP ON THE NORTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇	
PEDESTRIAN SIGNALS - CROSSING E/B TO N/B ENTRANCE RAMP ON THE NORTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇	
PEDESTRIAN SIGNALS - CROSSING W/B TO N/B ENTRANCE RAMP ON THE NORTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇	
PEDESTRIAN SIGNALS - CROSSING E/B TO S/B ENTRANCE RAMP ON THE SOUTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇	
PEDESTRIAN SIGNALS - CROSSING W/B TO S/B ENTRANCE RAMP ON THE SOUTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇	
PEDESTRIAN SIGNALS - CROSSING N/B TO W/B EXIT RAMP ON THE SOUTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇	
PEDESTRIAN SIGNALS - CROSSING N/B TO E/B EXIT RAMP ON THE SOUTH SIDE OF IL 17		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇	

◇ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 4 OR 5 IS TERMINATED

MODEL: 2D SHEET 11
FILE NAME: C:\PW\WORK\EXP-2\W.BENTLEY.COM\E\94\PW\201\00160999\0368663-SHT-25-CBLP\N411-423D.DGN



USER NAME = SALASL	DESIGNED - AAF	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION IL-17 AT I-57 SPU1			
SCALE: NONE	SHEET .	OF SHEETS	STA. TO STA.

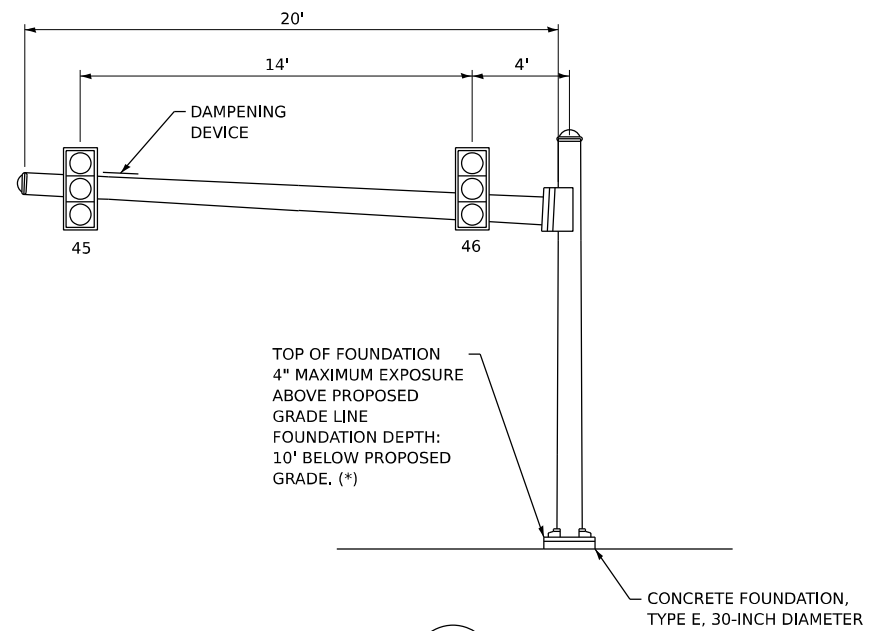
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	556
				CONTRACT NO. 66863
		ILLINOIS	FED. AID PROJECT	

BILL OF MATERIALS - IL 17 AT I-57 (SPUI)

CODE	PAY ITEM	UNIT	IL 17 & I-57 (SPUI)
72000100	SIGN PANEL - TYPE 1	SQ FT	99
80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,756
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	823
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	544
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	768
81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	251
81300830	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2
81300945	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH	6
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	22
81400710	HEAVY-DUTY HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	8
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	4,459
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	6,069
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	10,605
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,253
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	9,196
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	125
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	4,990
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	6
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	12
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	2
87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	10
87700140	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	2
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	2
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	64
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	47
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	25
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
88057170	OPTICALLY PROGRAMMED SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	16
88500100	INDUCTIVE LOOP DETECTOR	EACH	24

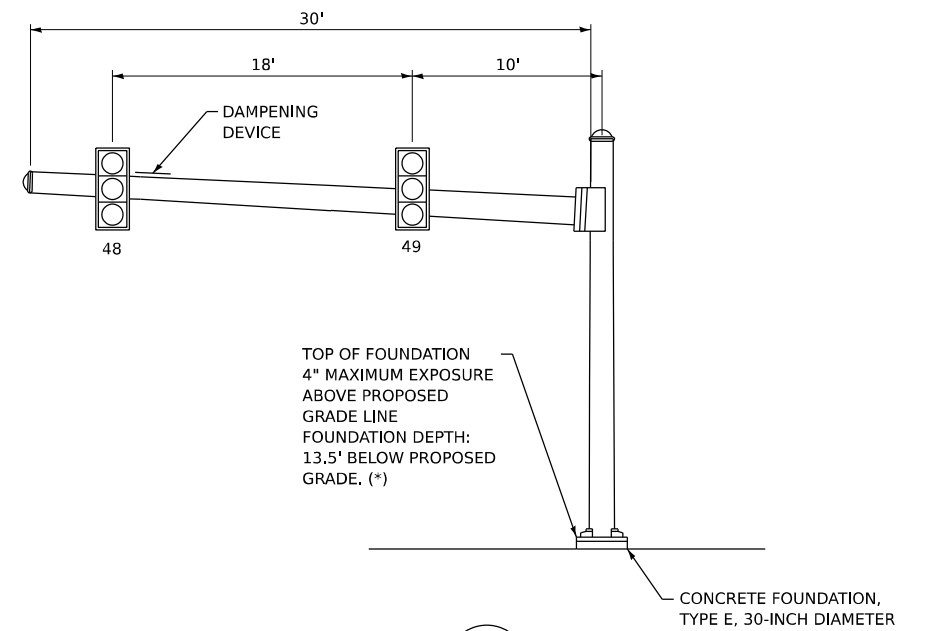
CODE	PAY ITEM	UNIT	IL 17 & I-57 (SPUI)
88600300	DETECTOR LOOP, TYPE III	FOOT	2,620
88700200	LIGHT DETECTOR	EACH	4
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2
89502380	REMOVE EXISTING HANDHOLE	EACH	6
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	11
Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	2
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	2
X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	3
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,557
X8130125	REMOVE EXISTING JUNCTION BOX	EACH	2
X8570231	FULL-ACTUATED CONTROLLER AND TYPE V CABINET (SPECIAL)	EACH	1
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	16
X8809005	LED SIGNAL FACE, LENS COVER	EACH	117
X8820014	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	39
X8860100	LOOP DETECTOR TESTING	EACH	14
X8891102	REMOTE CONTROLLED TRAFFIC SIGNAL AND VIDEO SYSTEM	EACH	1
X8900100	TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	2
X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2
X8900108	PERMANENT TRAFFIC SIGNAL TIMING	EACH	2

< 100% COST TO CITY OF KANKAKEE



RAMP B WB TO NB

P18



RAMP D EB TO SB

(P20)

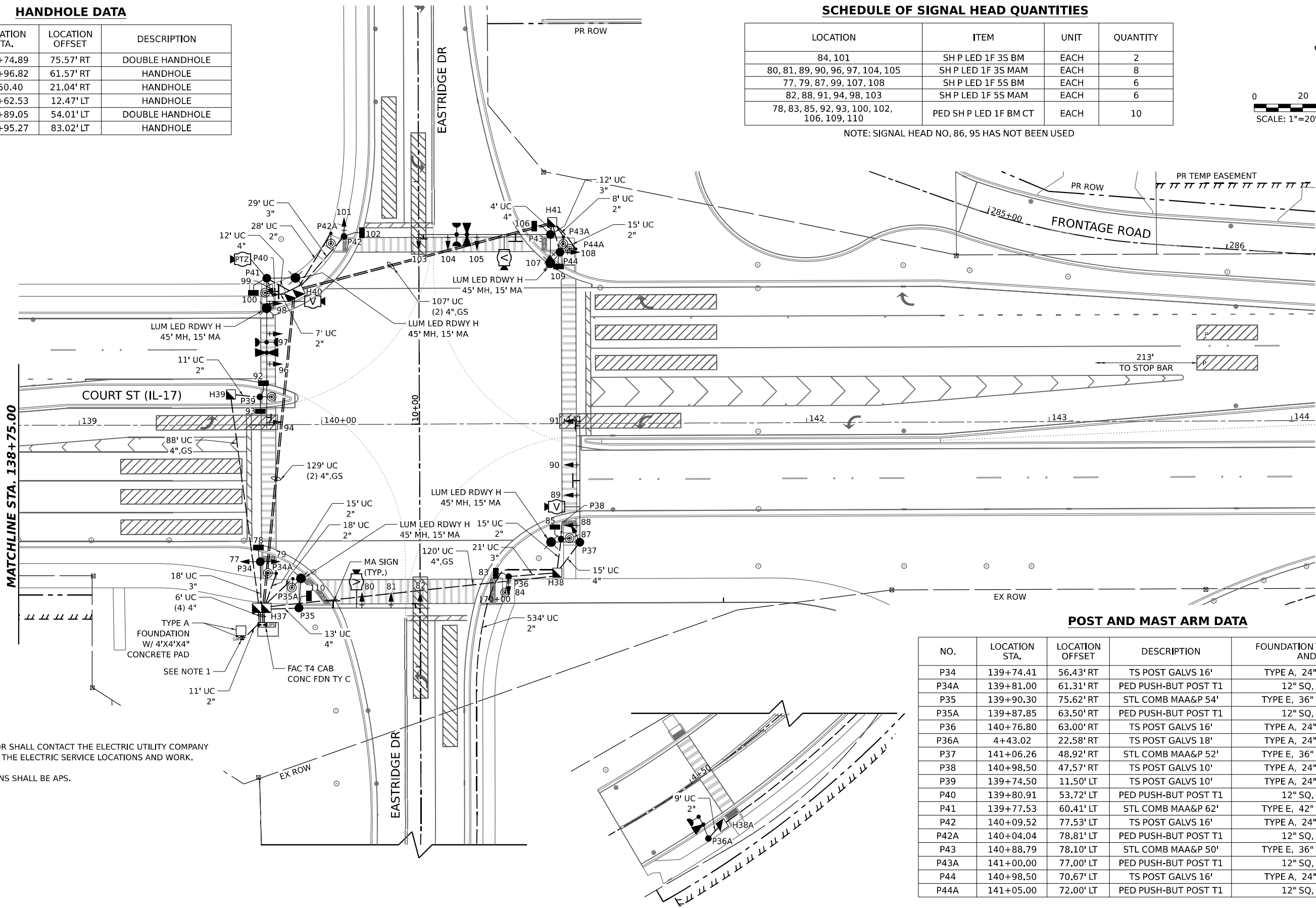
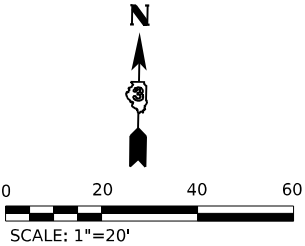
HANDHOLE DATA

NO.	LOCATION STA.	LOCATION OFFSET	DESCRIPTION
H37	139+74.89	75.57' RT	DOUBLE HANDHOLE
H38	140+96.82	61.57' RT	HANDHOLE
H38A	4+50.40	21.04' RT	HANDHOLE
H39	139+62.53	12.47' LT	HANDHOLE
H40	139+89.05	54.01' LT	DOUBLE HANDHOLE
H41	140+95.27	83.02' LT	HANDHOLE

SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY
84, 101	SH P LED 1F 3S BM	EACH	2
80, 81, 89, 90, 96, 97, 104, 105	SH P LED 1F 3S MAM	EACH	8
77, 79, 87, 99, 107, 108	SH P LED 1F 5S BM	EACH	6
82, 88, 91, 94, 98, 103	SH P LED 1F 5S MAM	EACH	6
78, 83, 85, 92, 93, 100, 102, 106, 109, 110	PED SH P LED 1F BM CT	EACH	10

NOTE: SIGNAL HEAD NO. 86, 95 HAS NOT BEEN USED



POST AND MAST ARM DATA

NO.	LOCATION STA.	LOCATION OFFSET	DESCRIPTION	FOUNDATION TYPE, DIAMETER, AND DEPTH
P34	139+74.41	56.43' RT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P34A	139+81.00	61.31' RT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P35	139+90.30	75.62' RT	STL COMB MAA&P 54'	TYPE E, 36" DIA, 15' DEPTH
P35A	139+87.85	63.50' RT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P36	140+76.80	63.00' RT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P36A	4+43.02	22.58' RT	TS POST GALVS 18'	TYPE A, 24" DIA, 3' DEPTH
P37	141+06.26	48.92' RT	STL COMB MAA&P 52'	TYPE E, 36" DIA, 15' DEPTH
P38	140+98.50	47.57' RT	TS POST GALVS 10'	TYPE A, 24" DIA, 3' DEPTH
P39	139+74.50	11.50' LT	TS POST GALVS 10'	TYPE A, 24" DIA, 3' DEPTH
P40	139+80.91	53.72' LT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P41	139+77.53	60.41' LT	STL COMB MAA&P 62'	TYPE E, 42" DIA, 21' DEPTH
P42	140+09.52	77.53' LT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P42A	140+04.04	78.81' LT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P43	140+88.79	78.10' LT	STL COMB MAA&P 50'	TYPE E, 36" DIA, 15' DEPTH
P43A	141+00.00	77.00' LT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH
P44	140+98.50	70.67' LT	TS POST GALVS 16'	TYPE A, 24" DIA, 3' DEPTH
P44A	141+05.00	72.00' LT	PED PUSH-BUT POST T1	12" SQ, 2.5' DEPTH

NOTES:

1. THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY COMPANY TO COORDINATE THE ELECTRIC SERVICE LOCATIONS AND WORK.
2. ALL PUSHBUTTONS SHALL BE APS.

MODEL: EVC IL17_IL17 PLN-01
FILE NAME: C:\P\WORK\EX-24\BENTLEY\COM E\949\W401\DO160999\0366863-SHT-TS-PLN-IL17-07.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL
DESIGNED	- AAF
DRAWN	- AAF
PLOT SCALE	= 0.16666633 1/ IN.
PLOT DATE	= 4/23/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

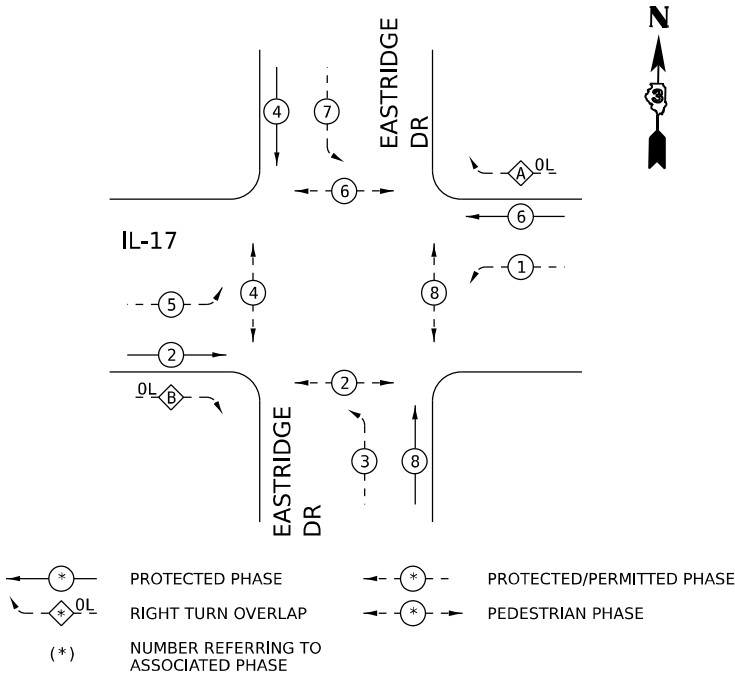
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
IL-17 AT EASTRIDGE DR

SCALE: 1"=20' SHEET . OF SHEETS STA. TO STA.

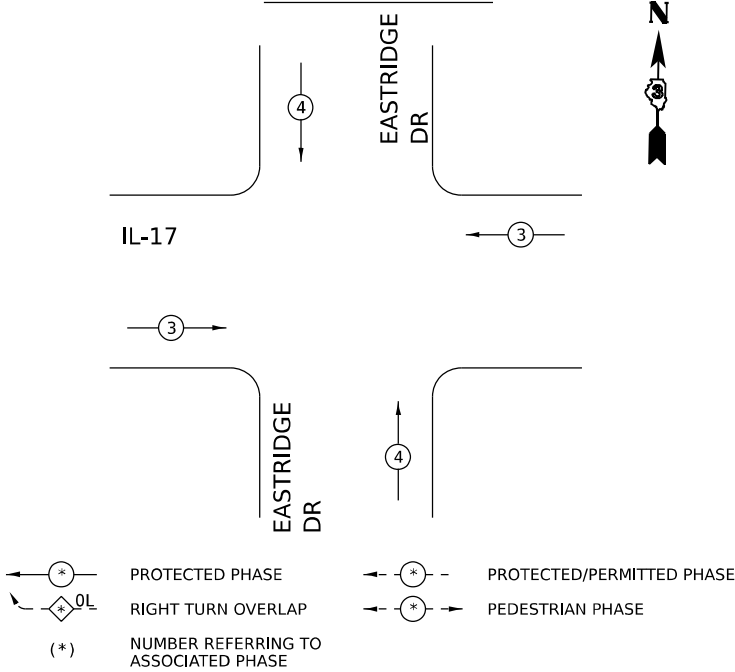
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	560
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE
PREEMPTION



PHASE DESIGNATION DIAGRAM

IL 17 AT EASTRIDGE DR
ELECTRICAL LOAD CHART

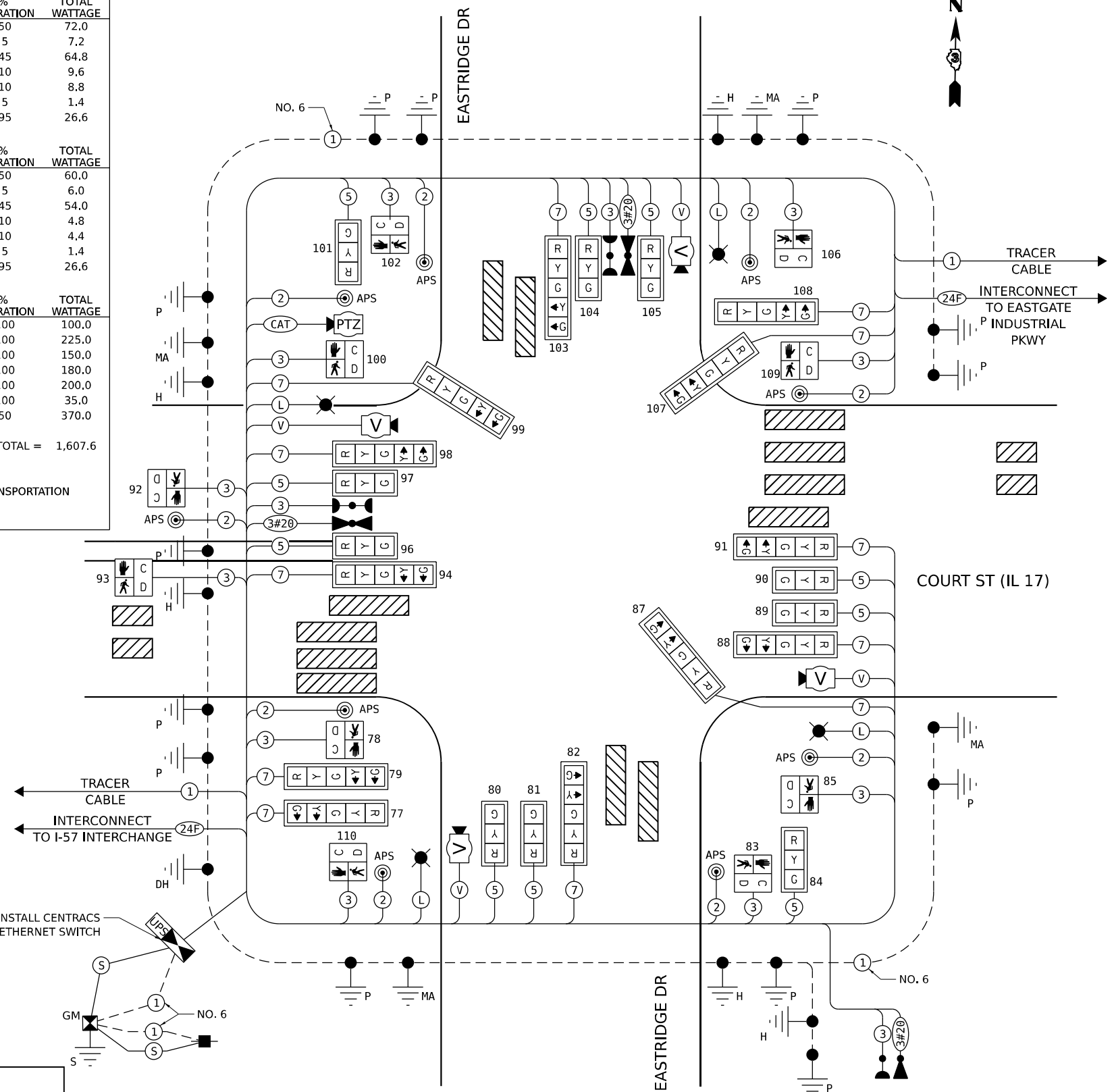
IL 17 INDICATION	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
RED	12	12.0	50	72.0
YELLOW	12	12.0	5	7.2
GREEN	12	12.0	45	64.8
YELLOW ARROW	8	12.0	10	9.6
GREEN ARROW	8	11.0	10	8.8
PED SIGNAL - WALK	4	7.0	5	1.4
PED SIGNAL - DON'T WALK	4	7.0	95	26.6

EASTRIDGE INDICATION	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
RED	10	12.0	50	60.0
YELLOW	10	12.0	5	6.0
GREEN	10	12.0	45	54.0
YELLOW ARROW	4	12.0	10	4.8
GREEN ARROW	4	11.0	10	4.4
PED SIGNAL - WALK	4	7.0	5	1.4
PED SIGNAL - DON'T WALK	4	7.0	95	26.6

TRAFFIC SIGNAL CABINET ITEM	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
CONTROLLER	1	100.0	100	100.0
UNINTERRUPTIBLE POWER SUPPLY	1	225.0	100	225.0
VIDEO VEHICLE DETECTION SYSTEM	1	150.0	100	150.0
BATTERY HEATER MAT	1	180.0	100	180.0
CABINET HEATER	1	200.0	100	200.0
NETWORK SWITCH	1	35.0	100	35.0
LUMINAIRE	4	185.0	50	370.0

| | | | | TOTAL = 1,607.6 |

AGENCY RESPONSIBLE FOR ENERGY CHARGES: ILLINOIS DEPARTMENT OF TRANSPORTATION



CABLE PLAN
(NOT TO SCALE)

- NOTES:
1. THE TRAFFIC SIGNAL CONTROLLER AND OTHER EQUIPMENTS FOR THIS PROJECT SHALL BE "ECONOLITE".
 2. THE TRAFFIC SIGNAL CONTROLLER SHALL BE "ECONOLITE (COBALT)".
 3. ALL VIDEO DETECTION CAMERAS SHALL BE AUTOSCOPE.
 4. ALL ETHERNET SWITCHES SHALL BE "CENTRACS"
 5. THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

SEE SHEET 574 FOR COMBINATION LIGHTING CONTROLLER NOTES AND DETAILS

MODEL: 2D SHEET 11
FILE NAME: C:\PW\WORK\EX-24\BENTLEY.COM\EX-24\11-17-2026.DGN



USER NAME = SALASL
DESIGNED - AAF
DRAWN - AAF
PLOT SCALE = 0.16666633 1/ IN.
CHECKED - JA
PLOT DATE = 4/23/2026

DESIGNED - AAF
DRAWN - AAF
CHECKED - JA
DATE - 04/22/2026

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
IL-17 AT EASTRIDGE DR

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	561
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

BILL OF MATERIALS - IL 17 AT EASTRIDGE DR

CODE	PAY ITEM	UNIT	IL 17 & EASTRIDGE DR.
72000100	SIGN PANEL - TYPE 1	SQ FT	55
72000200	SIGN PANEL - TYPE 2	SQ FT	23
80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	680
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	771
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	80
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	68
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	1,170
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	5
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,600
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3,068
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,171
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,507
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	129
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,796
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	6
87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1
87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1
87703040	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	25
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	6
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	10
88700200	LIGHT DETECTOR	EACH	5
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	4

CODE	PAY ITEM	UNIT	IL 17 & EASTRIDGE DR.
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	1
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1
X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,290
X8130125	REMOVE EXISTING JUNCTION BOX	EACH	2
X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	9
X8809005	LED SIGNAL FACE, LENS COVER	EACH	90
X8820014	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	22
X8891003	VIDEO VEHICLE DETECTION SYSTEM WITH REMOTE ACCESS	EACH	1
X8900100	TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	1
X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2
X8900108	PERMANENT TRAFFIC SIGNAL TIMING	EACH	1

NOTE: TEMPORARY TRAFFIC SIGNAL TIMING QUANTITY INCLUDES EASTGATE INDUSTRIAL PKWY

* 100% COST TO CITY OF KANKAKEE

MODEL: 2D SHEET 14
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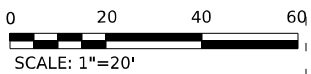
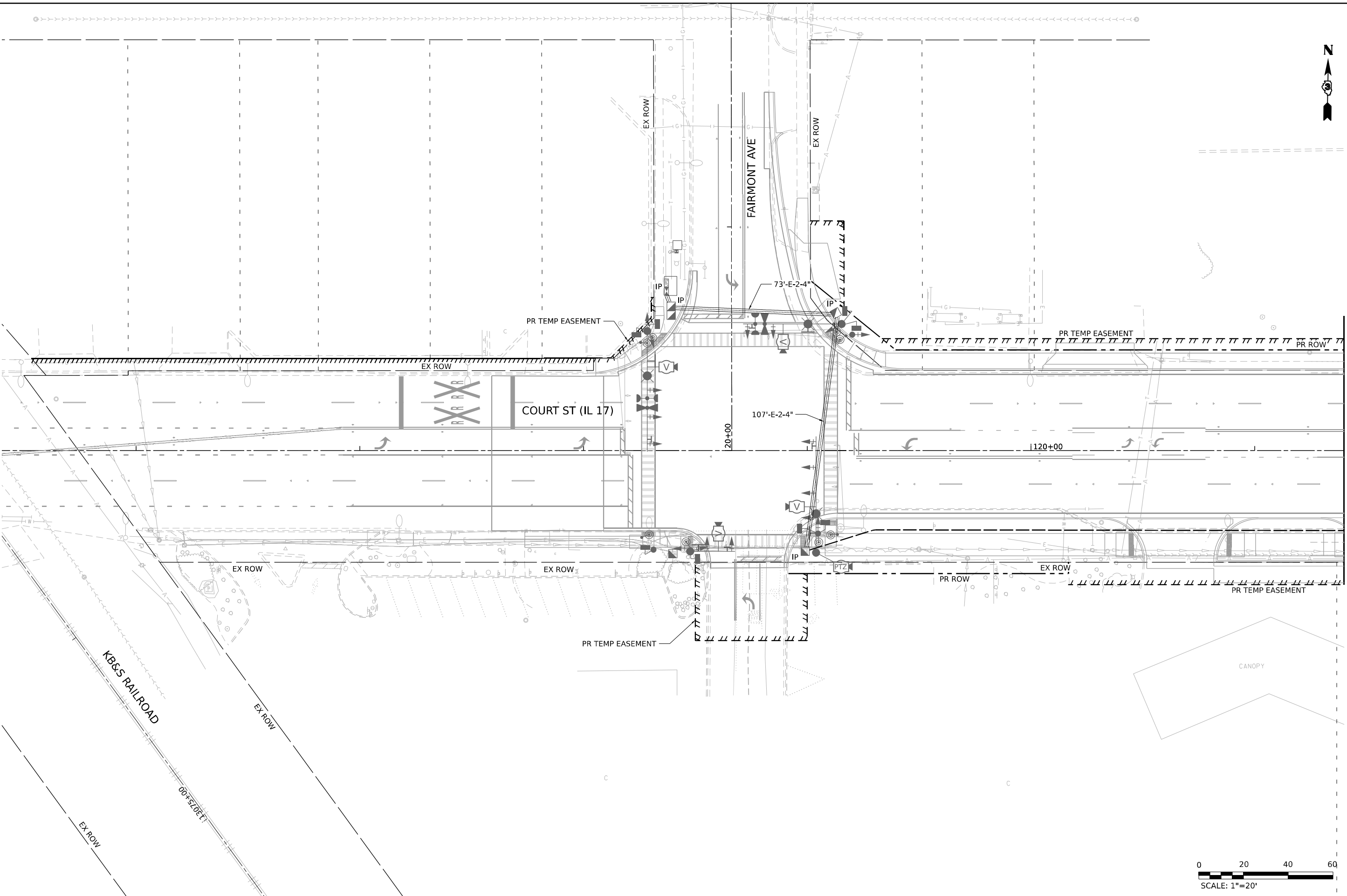
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	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS AND BILL OF MATERIALS IL 17 AT EASTRIDGE DR			
SCALE: NONE	SHEET .	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	562
				CONTRACT NO. 66863
		ILLINOIS	FED. AID PROJECT	

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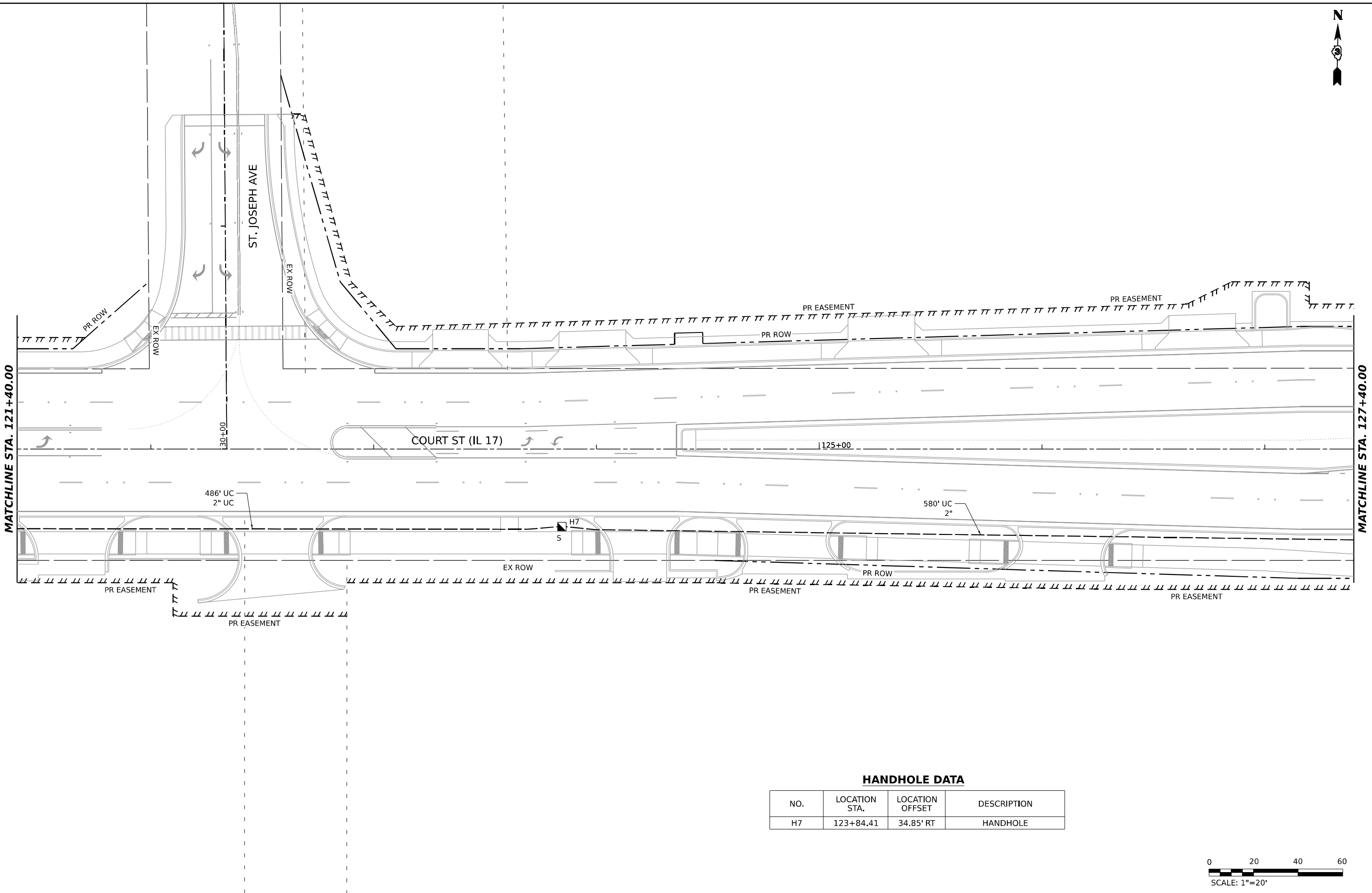
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DRAWN	- AAF	REVIS	-		
PLOT SCALE	= 0.16666633 1/ IN.	CHECKED	- JA	REVISED	-
PLOT DATE	= 4/23/2026	DATE	- 04/22/2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
IL-17 (FAIRMONT AVE TO EASTGATE INDUSTRIAL PKWY)

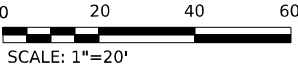
SCALE: 1"=20'	SHEET .	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	564
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



HANDHOLE DATA

NO.	LOCATION STA.	LOCATION OFFSET	DESCRIPTION
H7	123+84.41	34.85' RT	HANDHOLE



MODEL: E:\C\117_IL17_PLN.dgn
FILE NAME: C:\P\WORK\117_IL17_PLN.dgn
DATE: 4/23/2026



USER NAME = SALASL	DESIGNED - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	DRAWN - AAF	REVISED -
PLOT DATE = 4/23/2026	CHECKED - JA	REVISED -
	DATE - 04/22/2026	REVISED -

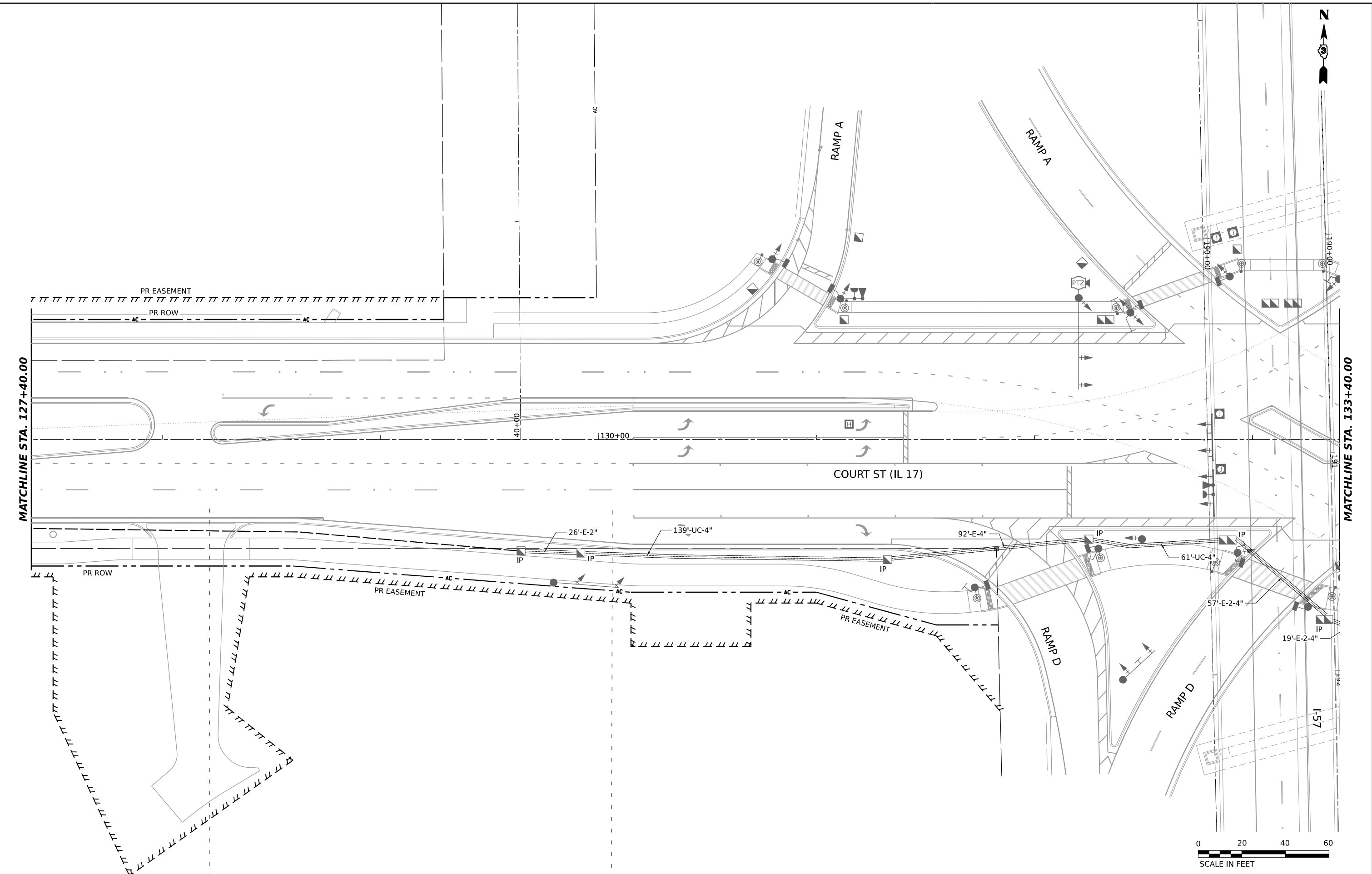
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
IL-17 (FAIRMONT AVE TO EASTGATE INDUSTRIAL PKWY)

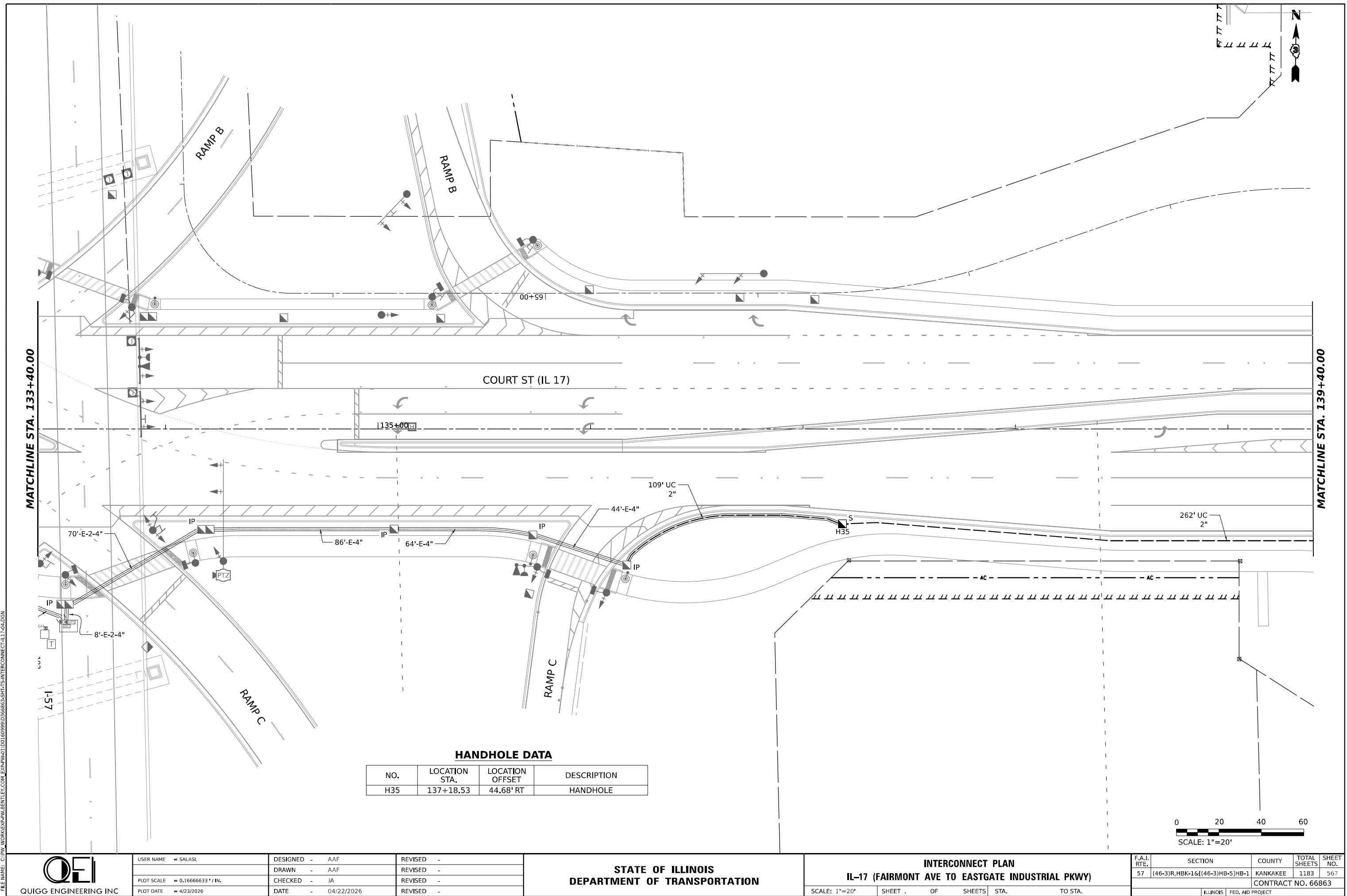
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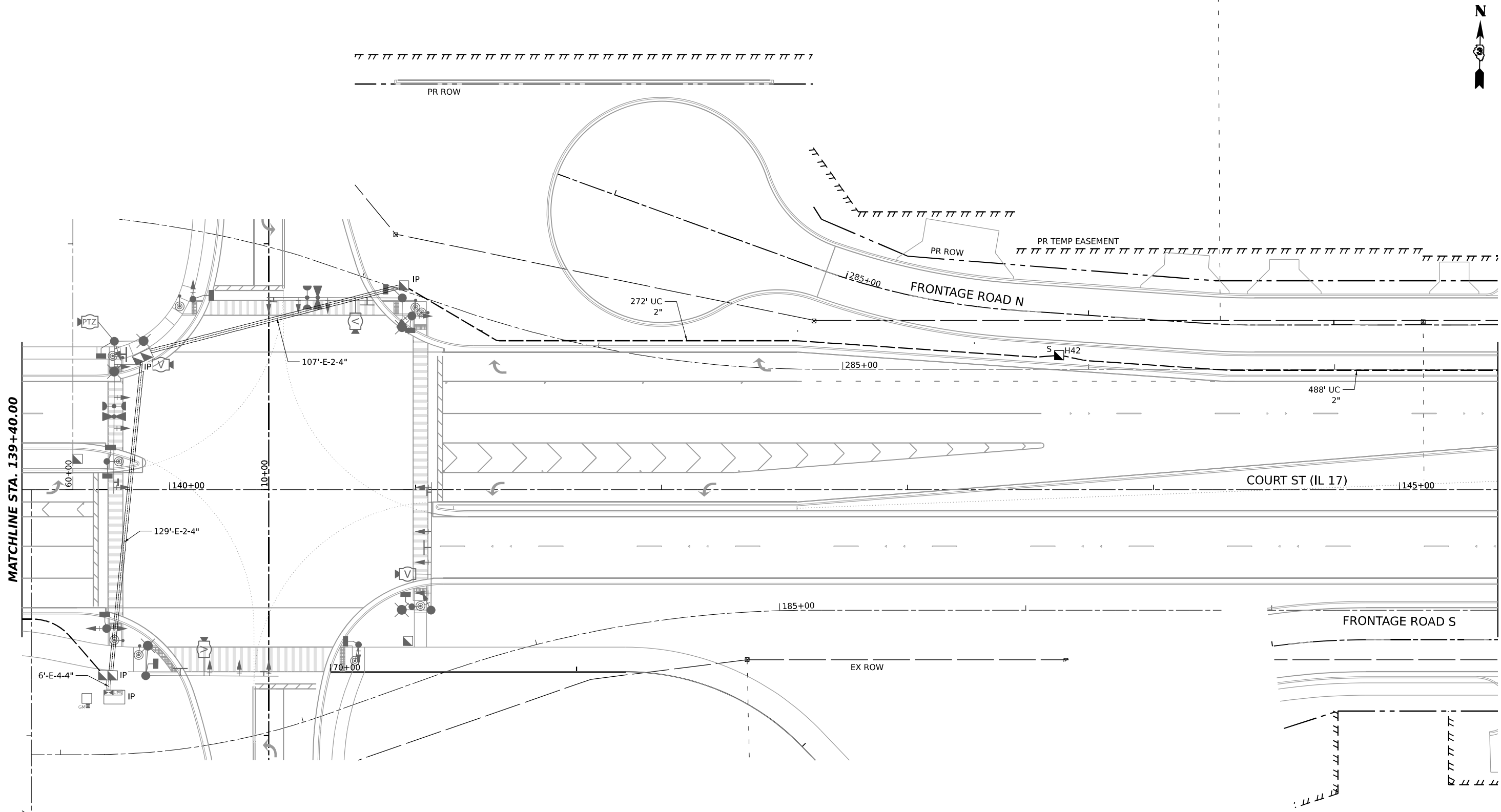
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	565
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

MODEL: E:\C\117_IL17_PLN.dgn
FILE NAME: C:\P\WORK\KANKAKEE\BENTLEY\COM\17\17-03.DGN



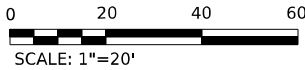
 QUIGG ENGINEERING INC	USER NAME = SALASL		DESIGNED - AAF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN IL-17 (FAIRMONT AVE TO EASTGATE INDUSTRIAL PKWY)				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - AAF	REVISED -		57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	566				
	PLOT SCALE = 0.16666633 ' / IN.		CHECKED - JA	REVISED -		CONTRACT NO. 66863								
	PLOT DATE = 4/23/2026		DATE - 04/22/2026	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE: 1"=20'	SHEET .	OF	SHEETS	STA.	TO STA.				





HANDHOLE DATA

NO.	LOCATION STA.	LOCATION OFFSET	DESCRIPTION
H42	143+61.57	54.66' LT	HANDHOLE



MODEL: E:\C\117_IL17_PLANS
FILE NAME: C:\P\WORK\EX-24\BENTLEY.COM E:\94\W401\DO160999\0368663-SHT-15-INTERCONNECT-IL17-05.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL
PLOT SCALE	= 0.16666633 1/ IN.
PLOT DATE	= 4/23/2026

DESIGNED -	AAF
DRAWN -	AAF
CHECKED -	JA
DATE -	04/22/2026

REVISED -	
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REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
IL-17 (FAIRMONT AVE TO EASTGATE INDUSTRIAL PKWY)

SCALE: 1"=20'	SHEET .	OF	SHEETS	STA.	TO STA.
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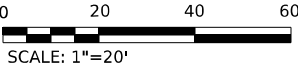
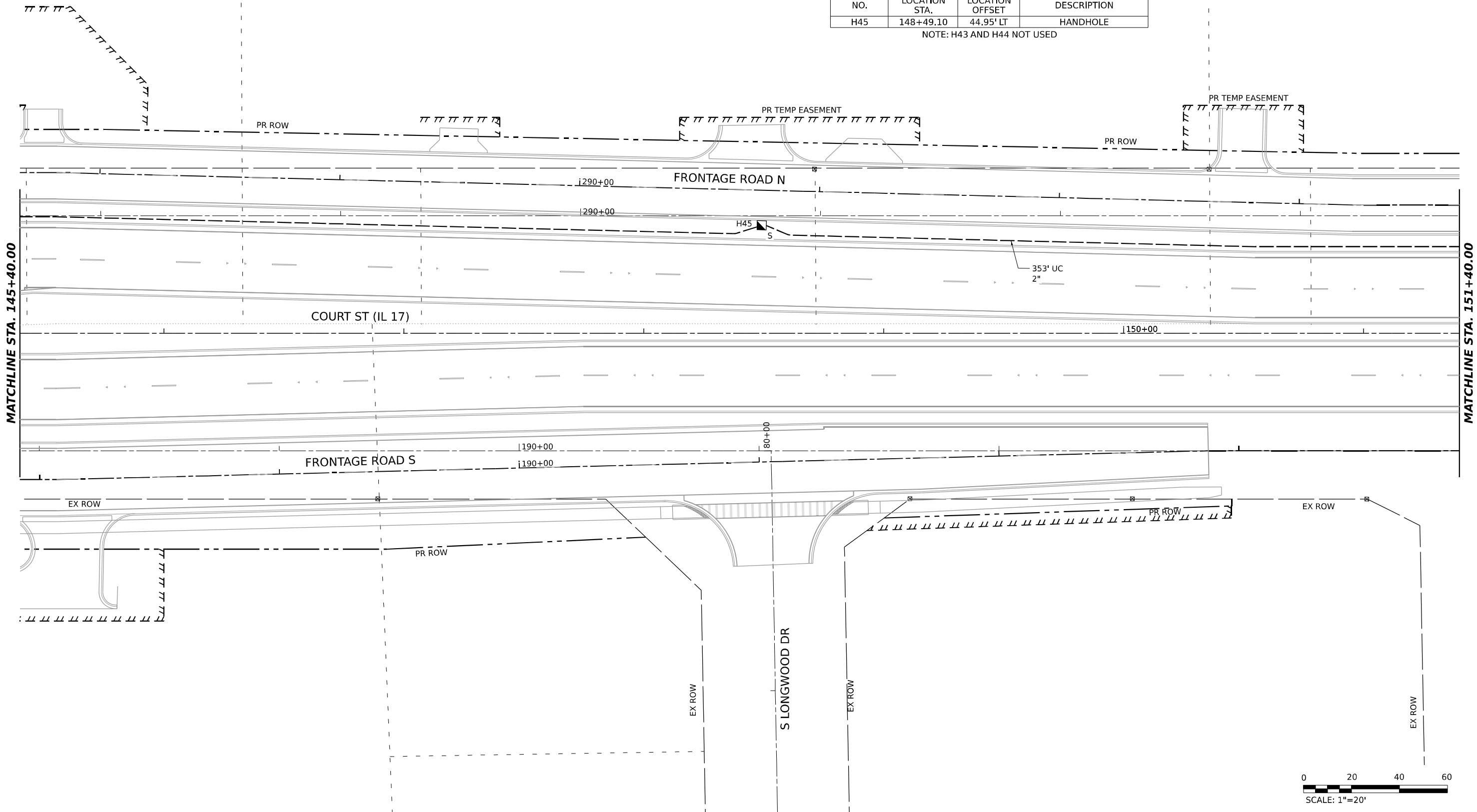
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	568
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



HANDHOLE DATA

NO.	LOCATION STA.	LOCATION OFFSET	DESCRIPTION
H45	148+49.10	44.95' LT	HANDHOLE

NOTE: H43 AND H44 NOT USED



SCALE: 1"=20'

MODEL: E:\C\IL17_IL17_PLANS
FILE NAME: C:\P\WORK\EXHIBITS\BENTLEY\COM E\94\W401\DO160999\366863-SHT-75-INTERCONNECT-IL17-206.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL
PLOT SCALE	= 0.16666633 1/ IN.
PLOT DATE	= 4/23/2026

DESIGNED -	AAF
DRAWN -	AAF
CHECKED -	JA
DATE -	04/22/2026

REVISED -	
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REVISED -	
REVISED -	

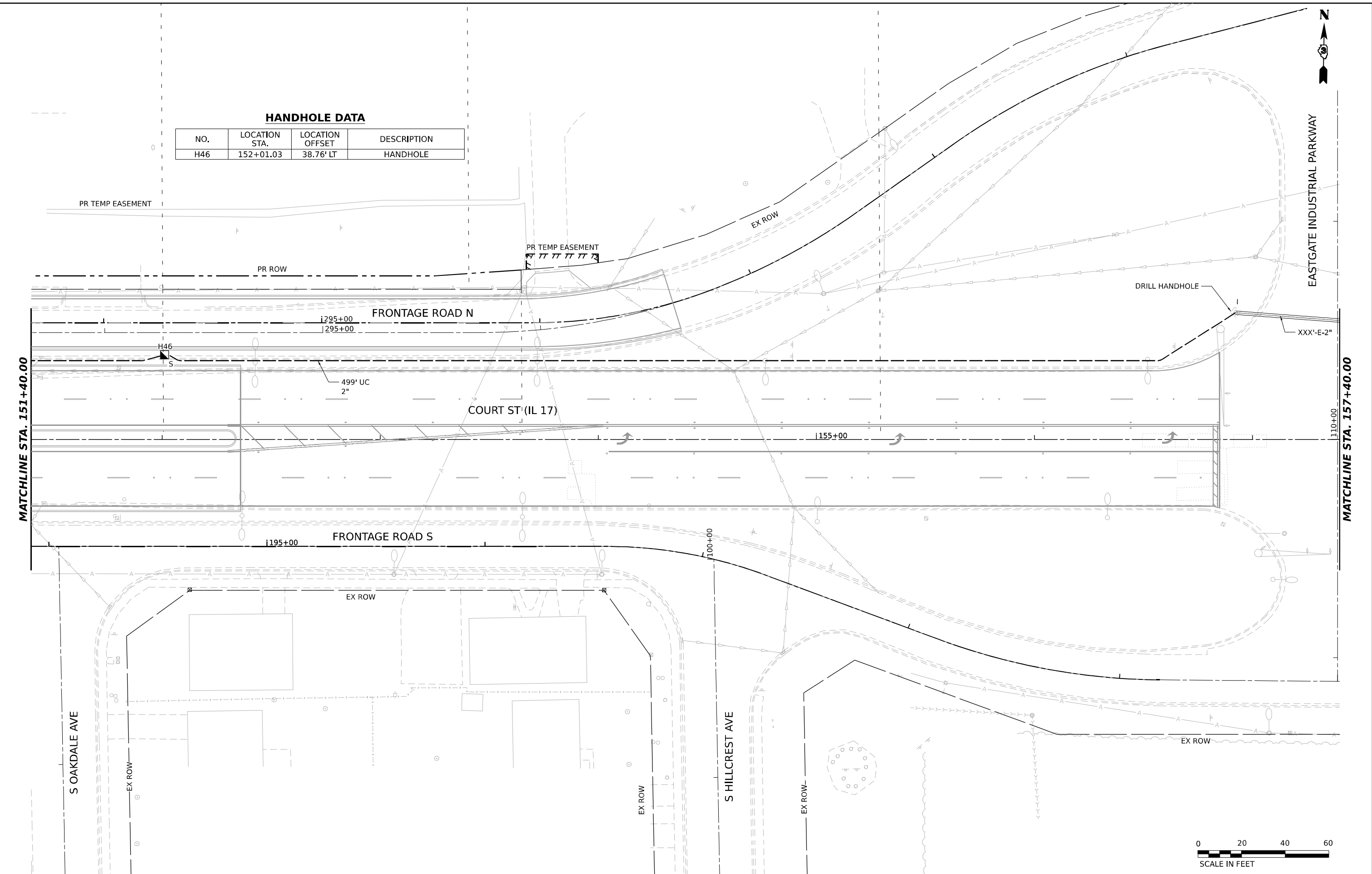
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
IL-17 (FAIRMONT AVE TO EASTGATE INDUSTRIAL PKWY)

SCALE: 1"=20' SHEET . OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	569
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

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FILE NAME: C:\P\WORK\EX-24\BENTLEY\COM\EX-24\W401.D0160999\366863-SHT-75-INTERCONNECT-IL17-07.DGN



HANDHOLE DATA

NO.	LOCATION STA.	LOCATION OFFSET	DESCRIPTION
H46	152+01.03	38.76' LT	HANDHOLE



QUIGG ENGINEERING INC

USER NAME	= SALASL
PLOT SCALE	= 0.16666633 1/ IN.
PLOT DATE	= 4/23/2026

DESIGNED	- AAF
DRAWN	- AAF
CHECKED	- JA
DATE	- 04/22/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
IL-17 (FAIRMONT AVE TO EASTGATE INDUSTRIAL PKWY)

SCALE: 1"=20' SHEET . OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	570
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

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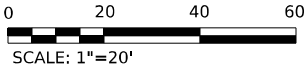
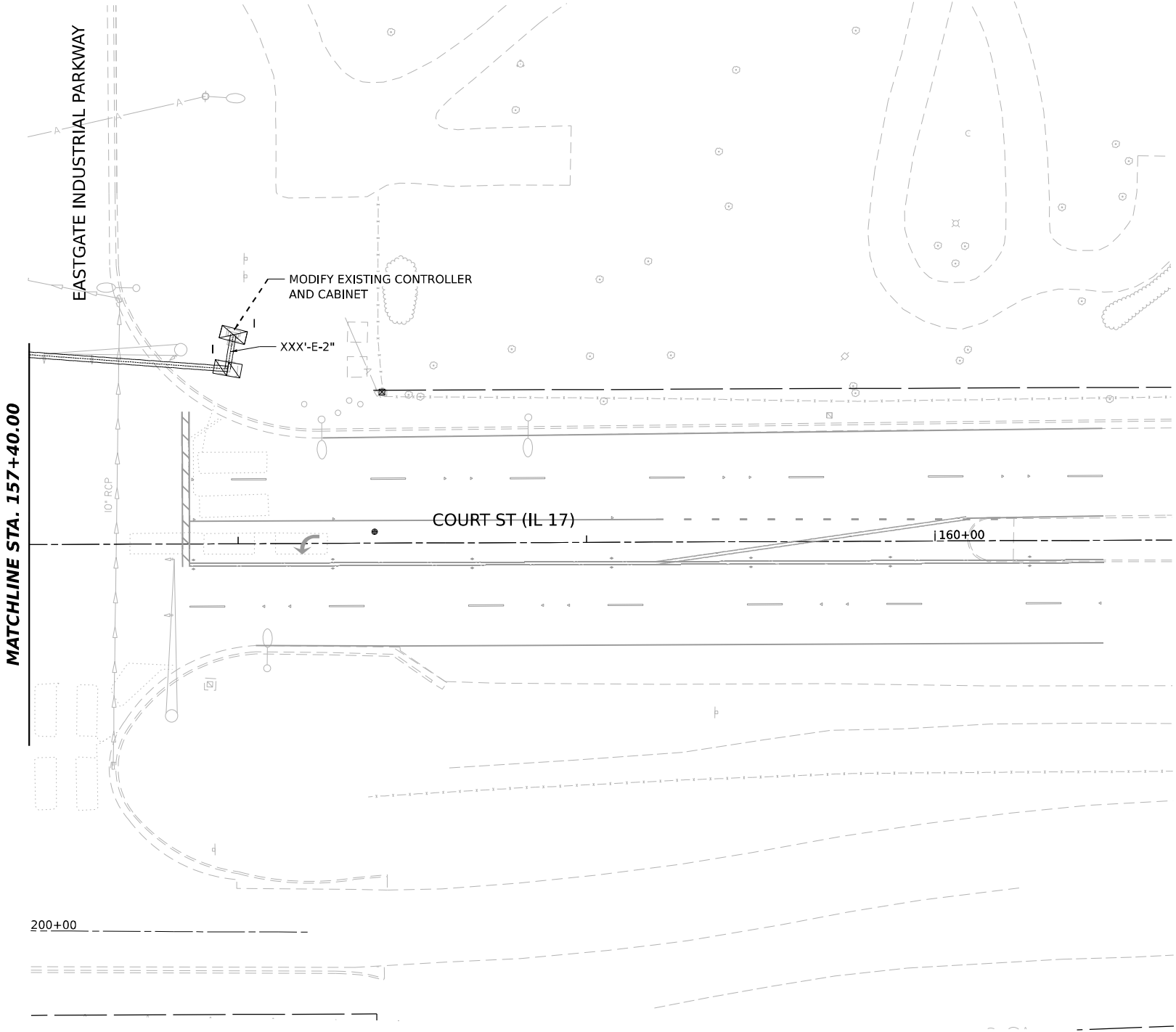


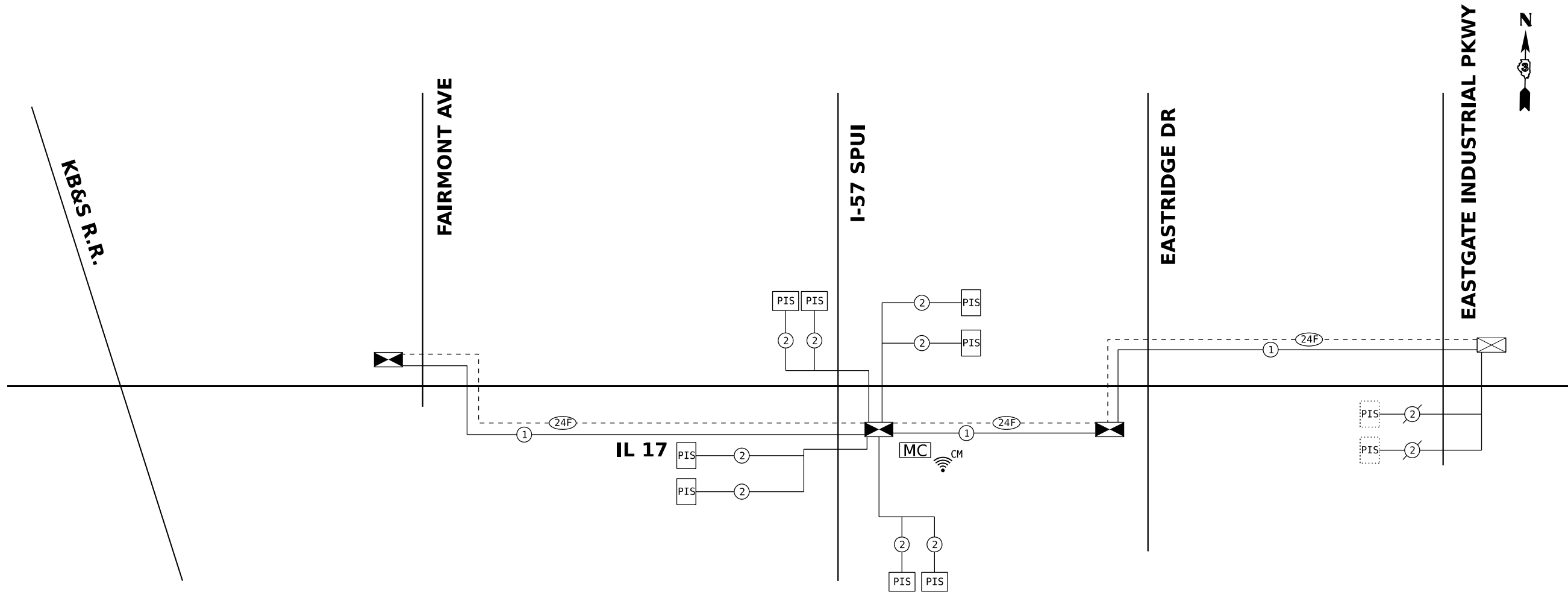
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PLOT DATE	= 4/23/2026	DATE	- 04/22/2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN			
IL-17 (FAIRMONT AVE TO EASTGATE INDUSTRIAL PKWY)			
SCALE: 1"=20'	SHEET .	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	571
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				





INTERCONNECT SCHEDULE OF QUANTITIES

CODE	PAY ITEM	UNIT	TOTAL QUANTITY
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	3,049
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	5
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
86000100	MASTER CONTROLLER	EACH	1
86400100	TRANSCEIVER - FIBER OPTIC	EACH	4
87100020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	4,506
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4,506
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	3,240
87900200	DRILL EXISTING HANDHOLE	EACH	1
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	116
X8710050	FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH	EACH	1
X8710103	ETHERNET SWITCH	EACH	4
X8900108	PERMANENT TRAFFIC SIGNAL TIMING	EACH	1
X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	1

MODEL: 2D SHEET 14
FILE NAME: C:\PW\WORK\EX-24\W.BENTLEY\COM EX-24\W401.D0160999\366863-SHT-15-INTERCONNECT-IL17-09.DGN



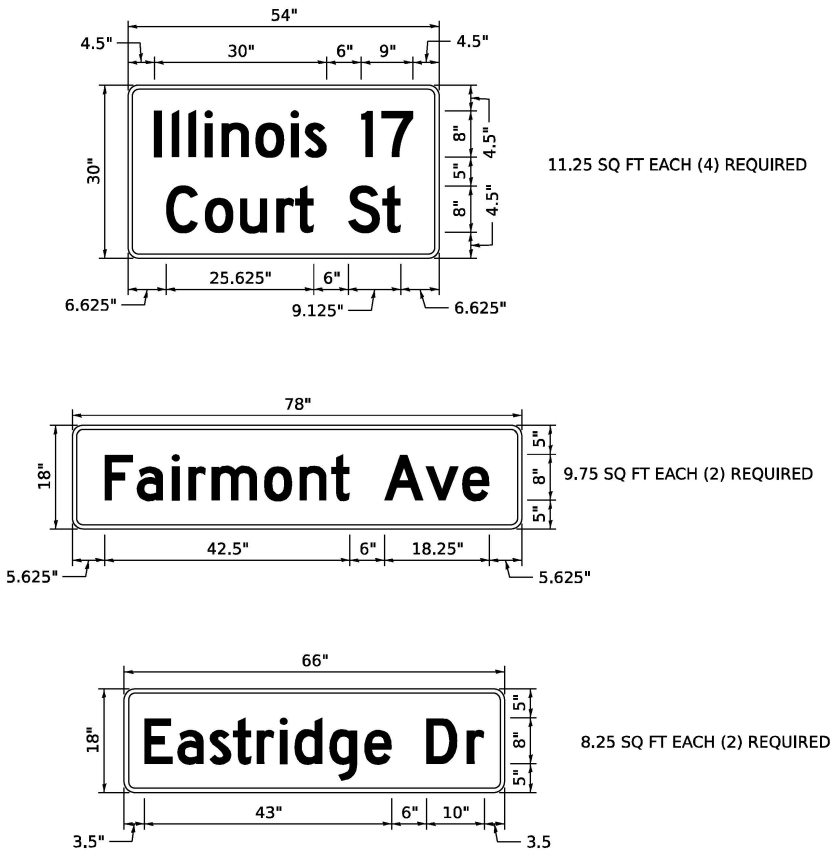
USER NAME = SALASL	DESIGNED - AAF	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC IL-17 (FAIRMONT AVE TO EASTGATE INDUSTRIAL PKWY)			
SCALE: NONE	SHEET .	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	572
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

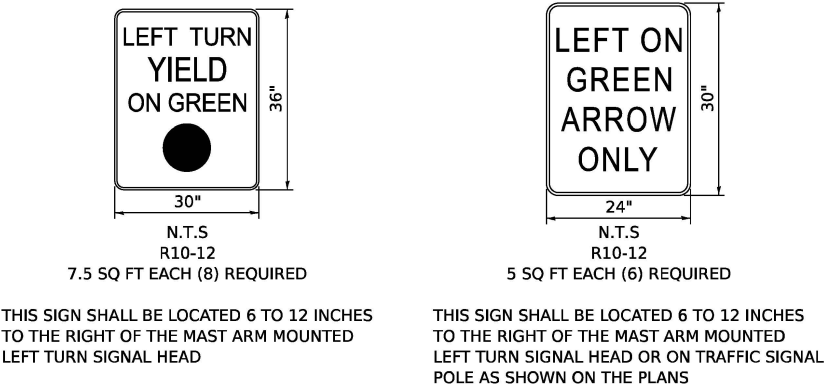
STREET NAME SIGN DETAIL



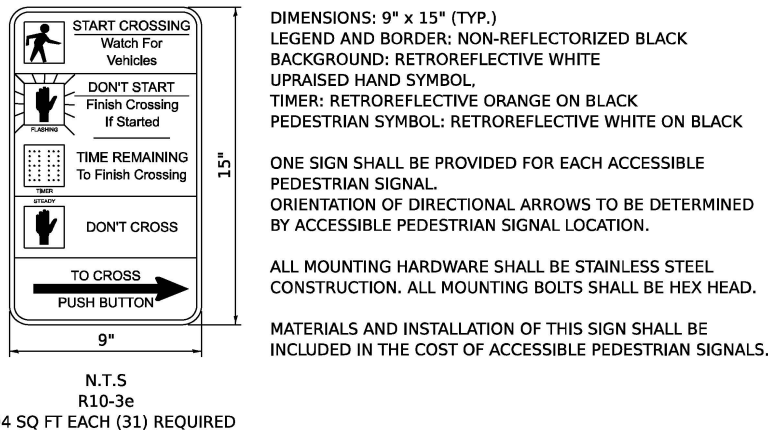
NOTES:

- 1. TYPE ZZ SHEETING REQUIRED.
- 2. WHITE LETTERING ON GREEN BACKGROUND.
- 3. 3/4" WHITE BORDER.
- 4. DESIGN SERIES D.
- 5. 8" HIGH UPPERCASE, 6" HIGH LOWERCASE LETTERING.

LEFT TURN CONTROL SIGN DETAIL



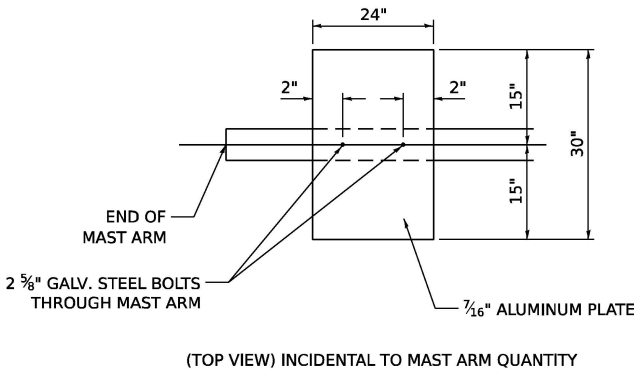
PEDESTRIAN CROSSING SIGN



RIGHT TURN CONTROL SIGN DETAIL

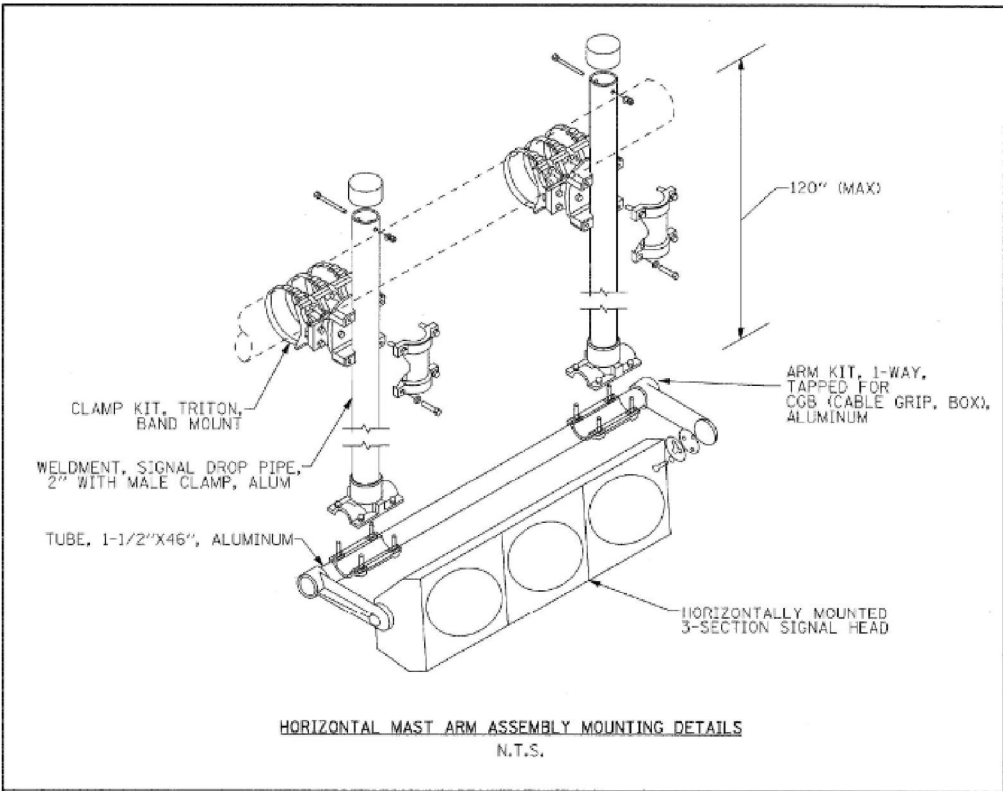


DAMPENING PLATE DETAIL

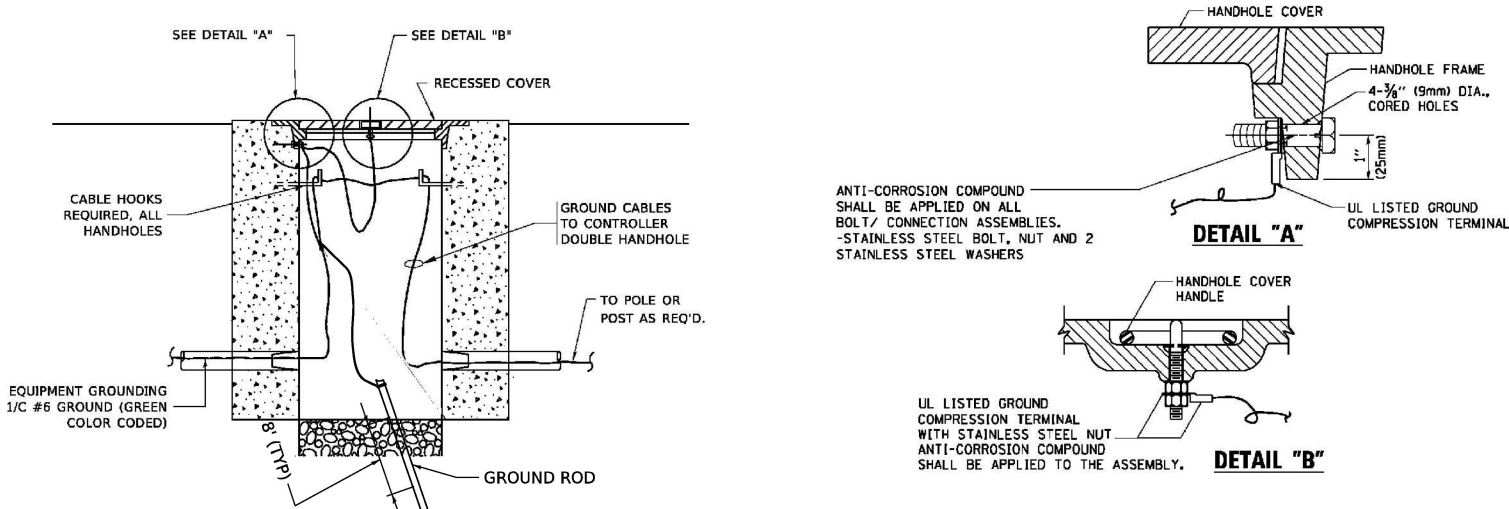


DAMPENING DEVICE SHALL CONSIST OF A 24" x 30" TYPE I, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF DAMPENING DEVICE SHALL BE INCLUDED IN THE MAST ARM PAY ITEM.

HORIZONTAL MAST ARM ASSEMBLY



HANDHOLE AND DOUBLE HANDHOLE COVER & FRAME - GROUNDING DETAIL



QUIGG ENGINEERING INC

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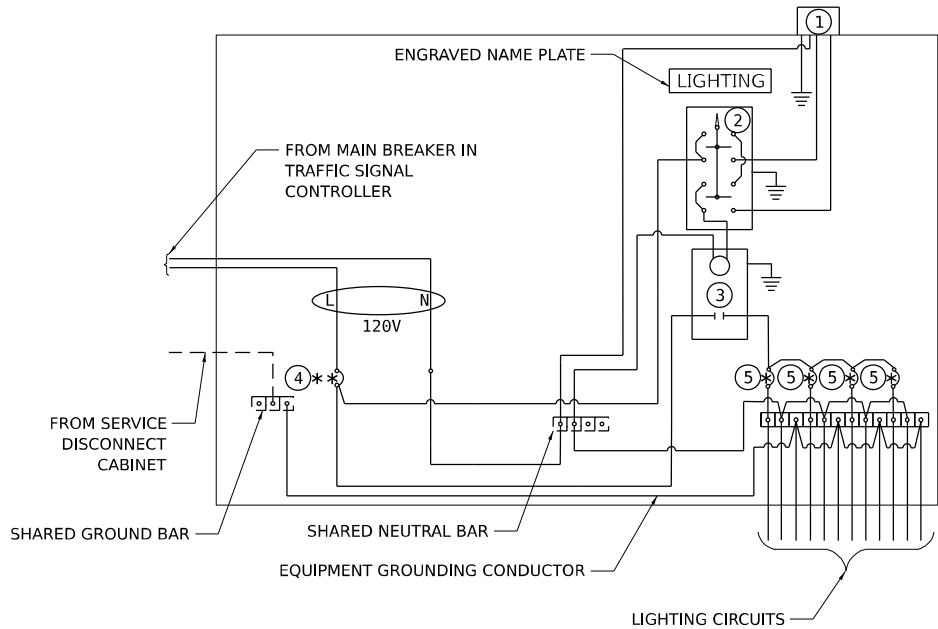
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R,HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	573
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



COMBINATION LIGHTING CONTROLLER GENERAL NOTES

- ALL CONTROL INSTALLATION COMPONENTS SHALL BE U.L. LISTED.
- ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED.
- THE CIRCUIT BREAKER SHALL BE CLEARLY LABELED FOR LIGHTING ACCORDING TO ARTICLE 1068.01(F) OF THE STANDARD SPECIFICATIONS.
- INSTALL UNDER EAVE PHOTOCELL ON TRAFFIC SIGNAL CONTROLLER CABINET PER ARTICLE 1068.01(E)(2) OF THE STANDARD SPECIFICATIONS.
- ALL LIGHTING EQUIPMENT SHALL BE INSTALLED ON A SIDE MOUNTED INSULATED SUBPANEL PER ARTICLE 1068.01(E)(9) OF THE STANDARD SPECIFICATIONS ON THE LOWER RIGHT HAND SIDE OF THE TRAFFIC SIGNAL CONTROLLER OR AS DIRECTED BY THE ENGINEER.
- PROVIDE AN ENGRAVED STAINLESS STEEL NAMEPLATE ON THE SUB PANEL READING "LIGHTING".

COMBINATION LIGHTING CONTROLLER LEGEND



GROUND CONNECTED TO SHARED GROUND BAR



INDICATES SHARED WITH TRAFFIC SIGNAL
CONTROLLER EQUIPMENT

①

PHOTOCELL WITH INTEGRAL SURGE ARRESTER

②

HAND-OFF-AUTO SELECTOR SWITCH

③

30 AMP, 1 POLE ELECTRICALLY HELD CONTACTOR

④

30 AMP, 1 POLE, CIRCUIT BREAKER

⑤

15 AMP, 1 POLE, BRANCH BREAKER

*

QUANTITY OF BRANCH BREAKERS SHALL DEPEND
ON THE COMBINATION LIGHTING CIRCUIT DIAGRAM
OR AS DIRECTED BY THE ENGINEER

**

SIZE LARGER AS NEEDED

MODEL: 2D SHEET 11
FILE NAME: C:\PW\WORK\EXE-2\W.BENTLEY.COM\E\1\4\PW\21\DD160999\0368663-SHT-15-DETAILS-ILL17-06.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL
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PLOT DATE	= 4/23/2026

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

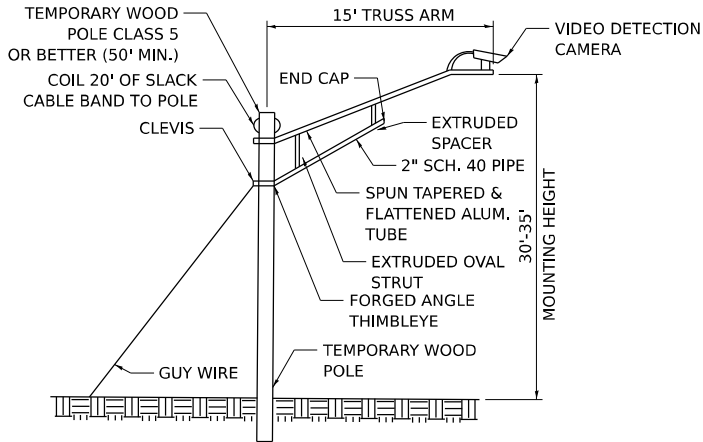
COMBINATION LIGHTING CONTROLLER DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	574
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL SIGNAL HEADS ON AN INDIVIDUAL SPAN WIRE SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
2. THE CONTRACTOR SHALL PROVIDE 3 FEET OF SLACK CABLE IN THE CONTROLLER AND ON THE WOOD POLES.THE SLACK IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE STANDARD SPECIFICATIONS AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR ELECTRICAL CABLE OF THE TYPE SPECIFIED.
3. TEMPORARY WOOD POLES SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACEOF CURB OR A MINIMUM OF18' FROM THE EDGE OF PAVEMENT WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BYTHE ENGINEER.
4. ALL TEMPORARY WOOD POLES SHALL BE INSTALLED SO THAT A MINIMUM OF 30' OF POLE IS ABOVE THE EXISTING PAVEMENT ELEVATION ADJACENT TO THE POLE.A SUFFICIENT LENGTH OF POLE SHALL BE BURIED AND BACK GUYED TO ALLOW THE INSTALLATION TO WITHSTAND A 70 MPH SUSTAINED WIND LOADING.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE WOOD POLELOCATIONS BEFORE ORDERING TO DETERMINE IF LONGER POLES ARE REQUIRED.
6. TEMPORARY SIGNAL HEADS SHALL BE LED AND 12" DIAMETER AND SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER TO LINE UP WITH STAGE TRAFFIC LANES.THIS WORK WILL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
7. TEMPORARY SIGNAL HEADS SHALL BE RELOCATED AS NECESSARY TO LINE UP WITH STAGE TRAFFIC LANES. DO NOT INSTALL HEADS THAT BLOCK OPPOSING TRAFFIC HEADS.WHEN POSSIBLE, PLACE TEMPORARY SIGNALS IN FRONT OF EXISTING TRAFFIC SIGNALS.THIS WORK WILL BE INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
8. ALL CONTROL EQUIPMENT FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
9. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES AND EXISTING MASTARMS, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE AS DIRECTED BY THE ENGINEER.
10. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNALHEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
11. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
12. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS.THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.



TEMPORARY VIDEO DETECTION CAMERA MOUNTING DETAIL

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET
- TEMPORARY UNINTERRUPTABLE POWER SUPPLY
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY SIGNAL HEAD
- TEMPORARY WOOD POLE
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY VIDEO DETECTION SYSTEM
- TEMPORARY LUMINAIRE
- TEMPORARY VIDEO DETECTION ZONE

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET
- TEMPORARY UNINTERRUPTABLE POWER SUPPLY
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- TEMPORARY VIDEO DETECTION SYSTEM
- VIDEO CAMERA CABLE
6 PAIRS, TWISTED REQUIRED
3 PAIRS, TWISTED REQUIRED
-24V AC (AC+, AC-, GND)
1 PAIR DATA
1 PAIR COMPOSITE VIDEO
1 PAIR DETECTOR DATA
OVERALL SHIELD
MINIMUM 16 AWG (PAIRS)
- SERVICE CABLE
ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 6 2C

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING TRAFFIC SIGNAL CONTROLLER AND FOUNDATION
- EXISTING SERVICE INSTALLATION
- EXISTING SIGNAL HEAD WITH BACKPLATE
- EXISTING SIGNAL POST
- EXISTING MAST ARM ASSEMBLY AND POLE, STEEL
- EXISTING HANDHOLE
- EXISTING HEAVY DUTY HANDHOLE
- EXISTING DOUBLE HANDHOLE
- EXISTING JUNCTION BOX
- EXISTING LUMINAIRE
- EXISTING VIDEO DETECTION CAMERA
- EXISTING PEDESTRIAN SIGNAL HEAD
- EXISTING PEDESTRIAN PUSHBUTTON
- EXISTING DETECTOR LOOPS

MOT LEGEND

- DIRECTION OF TRAFFIC
- WORK AREA
- TEMPORARY PAVEMENT CONSTRUCTED IN THIS STAGE
- TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE
- PROPOSED PAVEMENT CONSTRUCTED IN PREVIOUS STAGE
- ARROW BOARD
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- RUMBLE STRIPS
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADE WITH FLASHING LIGHTS
- MONO-DIRECTIONAL FLASHING LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 50' CENTERS UNLESS OTHERWISE NOTED ON PLANS
- DRUMS WITH STEADY-BURN MONODIRECTIONAL LIGHT AT 50' CENTERS UNLESS OTHERWISE NOTED ON PLANS
- DRUMS AT 50' CENTERS UNLESS OTHERWISE NOTED ON PLANS
- VERTICAL PANELS WITH STEADY-BURN MONODIRECTIONAL LIGHT AT 50' CENTERS UNLESS OTHERWISE NOTED ON PLANS
- PROPOSED SIGN/ COMMERCIAL DRIVEWAY ENTRANCE SIGN
- INDICATES FLUORESCENT ORANGE SIGN SHEETING

MODEL: 2D SHEET 14
FILE NAME: C:\PW\WORK\EXP-24\BENTLEY.COM\EXP-24\DWG\1.D0160999\0368663-SHT-GENNOTETS-17-401.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL
DESIGNED	- AAF
DRAWN	- AAF
PLOT SCALE	= 0.16666633 1/ IN.
PLOT DATE	= 4/23/2026

DESIGNED	- AAF
REVISD	-
DRAWN	- AAF
REVISD	-
CHECKED	- JA
REVISD	-
DATE	- 04/22/2026
REVISD	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL GENERAL NOTES

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

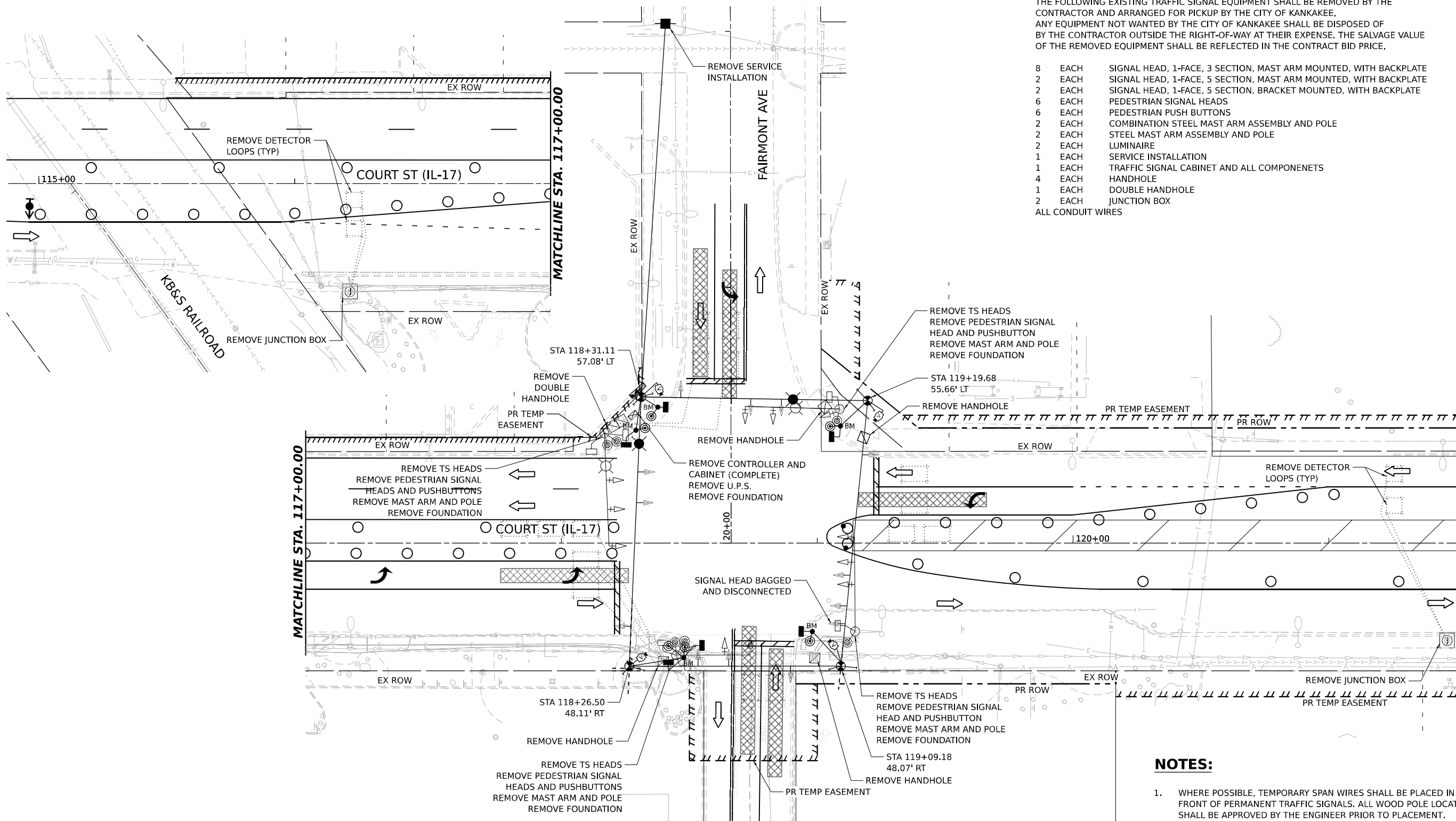
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	575
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND ARRANGED FOR PICKUP BY THE CITY OF KANKAKEE. ANY EQUIPMENT NOT WANTED BY THE CITY OF KANKAKEE SHALL BE DISPOSED OF BY THE CONTRACTOR OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

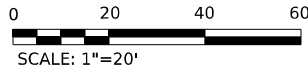
8	EACH	SIGNAL HEAD, 1-FACE, 3 SECTION, MAST ARM MOUNTED, WITH BACKPLATE
2	EACH	SIGNAL HEAD, 1-FACE, 5 SECTION, MAST ARM MOUNTED, WITH BACKPLATE
2	EACH	SIGNAL HEAD, 1-FACE, 5 SECTION, BRACKET MOUNTED, WITH BACKPLATE
6	EACH	PEDESTRIAN SIGNAL HEADS
6	EACH	PEDESTRIAN PUSH BUTTONS
2	EACH	COMBINATION STEEL MAST ARM ASSEMBLY AND POLE
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE
2	EACH	LUMINAIRE
1	EACH	SERVICE INSTALLATION
1	EACH	TRAFFIC SIGNAL CABINET AND ALL COMPONENTS
4	EACH	HANDHOLE
1	EACH	DOUBLE HANDHOLE
2	EACH	JUNCTION BOX
ALL CONDUIT WIRES		



TEMPORARY TRAFFIC STAGE 1A IL 17 AT FAIRMONT AVE

NOTES:

- WHERE POSSIBLE, TEMPORARY SPAN WIRES SHALL BE PLACED IN FRONT OF PERMANENT TRAFFIC SIGNALS. ALL WOOD POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
- THE LOCATION OF THE SIGNAL HEADS ON THE SPAN WIRE ARE SHOWN HERE FOR REFERENCE ONLY. THE LOCATION OF THE TEMPORARY SIGNALS WILL CHANGE DURING DIFFERENT MAINTENANCE OF TRAFFIC PHASES. THE SHIFTING OF THESE SIGNAL HEADS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION". THE CONTRACTOR SHALL ALIGN THE SIGNAL HEADS WITH THE CENTER OF EACH TEMPORARY LANE DETAILED IN THE MAINTENANCE OF TRAFFIC PLANS.



MODEL: ITS IL17_IL17 FAIRMONT STAGE 1
FILE NAME: C:\PW\WORK\EX-17\TEMP\EX-17\IL17-1A.DGN



QUIGG ENGINEERING INC

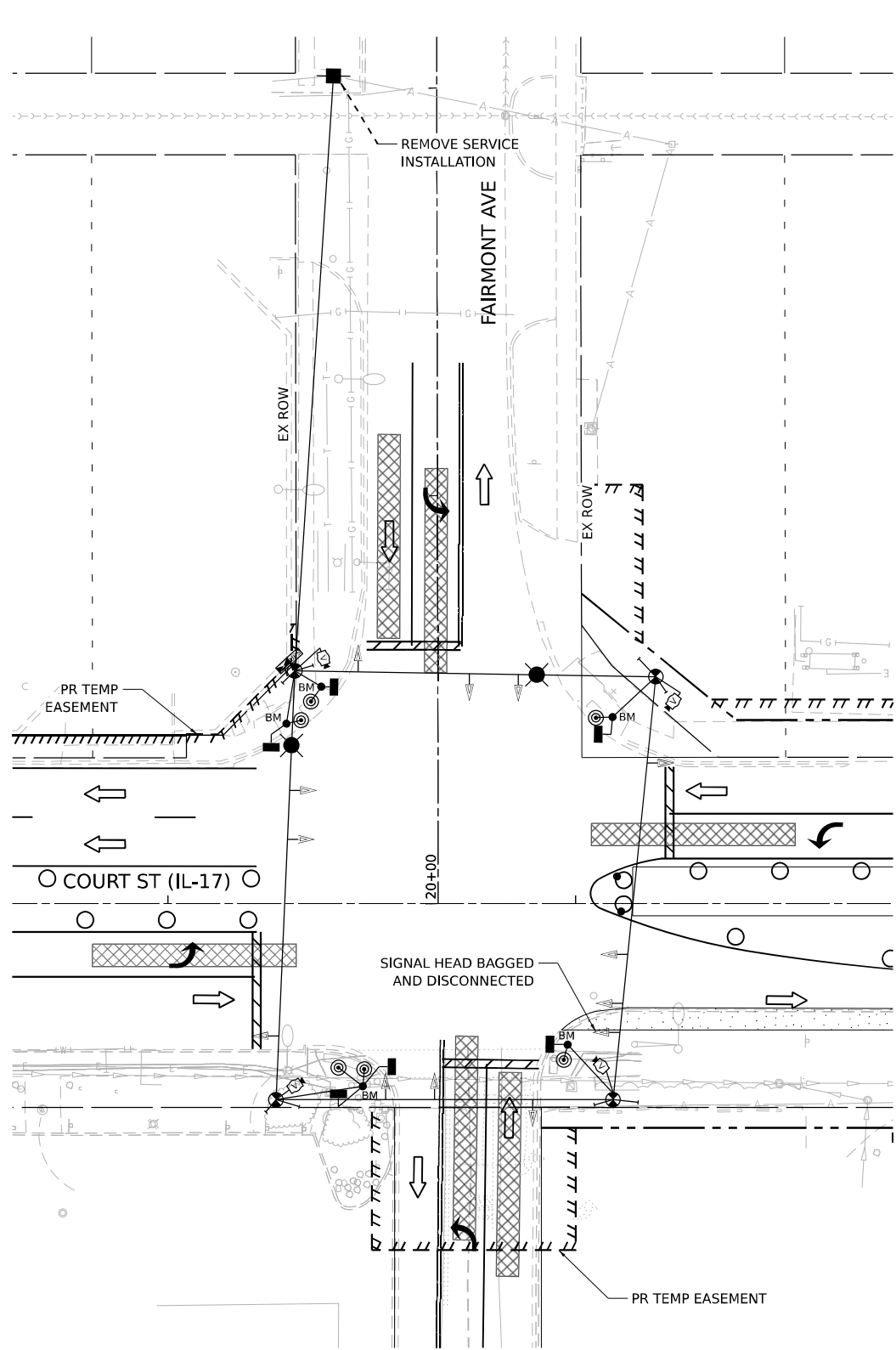
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	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

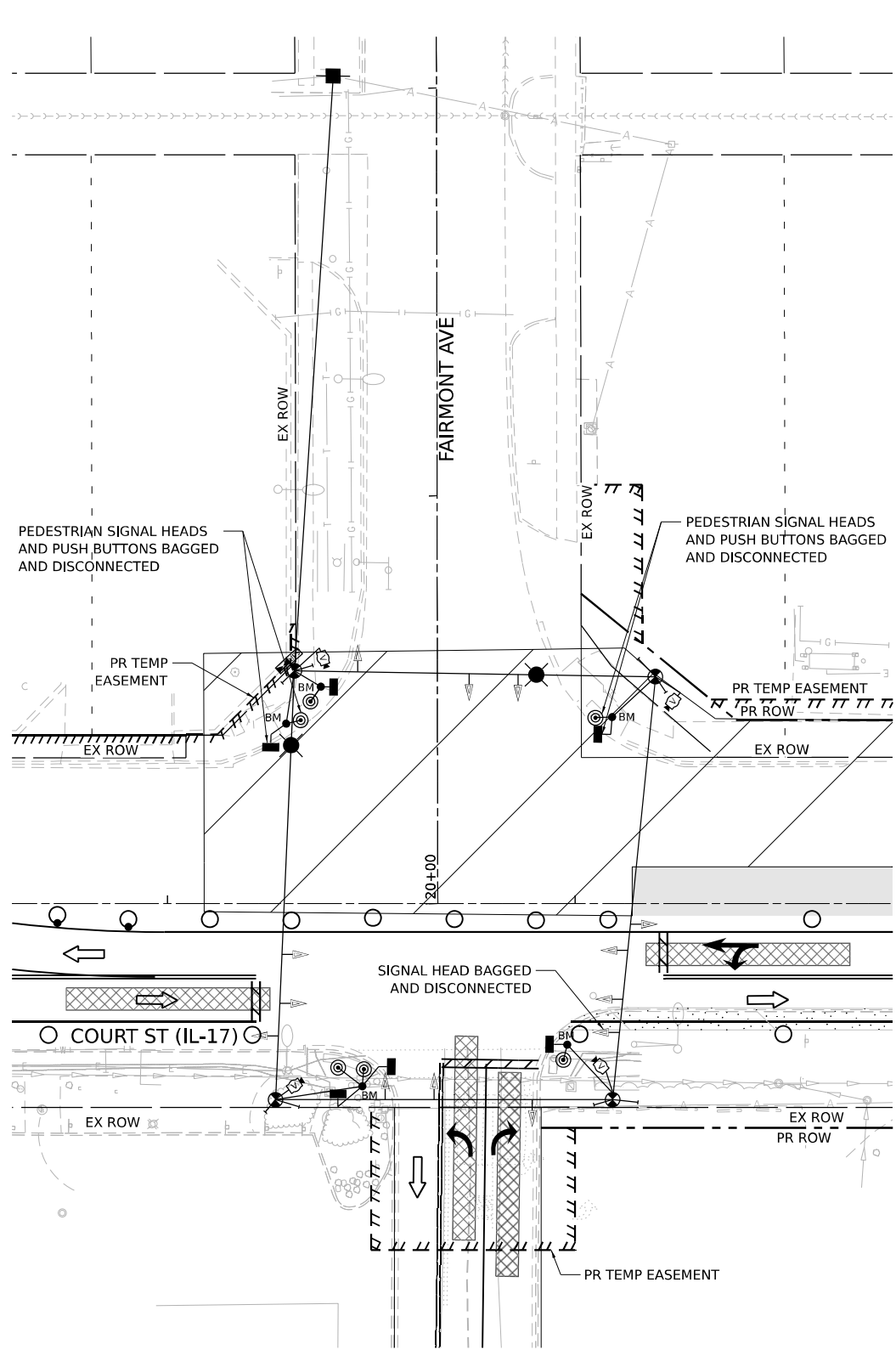
IL-17 AT FAIRMONT AVE TEMPORARY TRAFFIC SIGNAL INSTALLATION &
EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN (STAGE 1A)

SCALE: 1"=20' SHEET . OF SHEETS STA. TO STA.

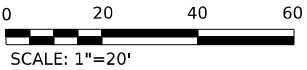
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	576
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



TEMPORARY TRAFFIC STAGE 1B
IL 17 AT FAIRMONT AVE



TEMPORARY TRAFFIC STAGE 2
IL 17 AT FAIRMONT AVE



MODEL: ITS_IL17_IL17 FAIRMONT STAGE 1
FILE NAME: C:\P\WORK\EX-2\TEMP\EX-2\IL17-2.DGN

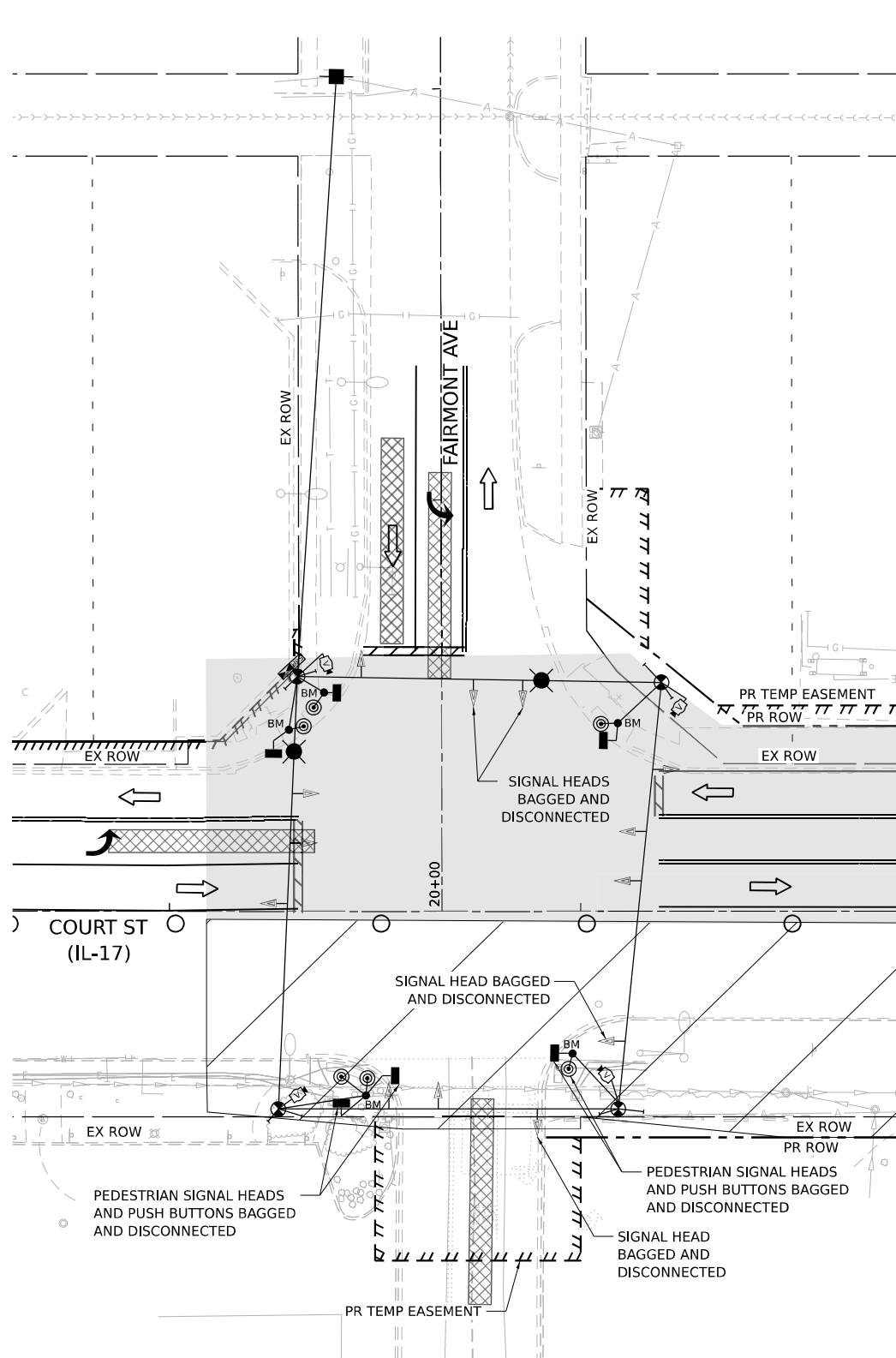


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DRAWN	- AAF	REVISIONS	-	REVISIONS	-
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PLOT DATE	= 4/23/2026	DATE	- 04/22/2026	REVISIONS	-

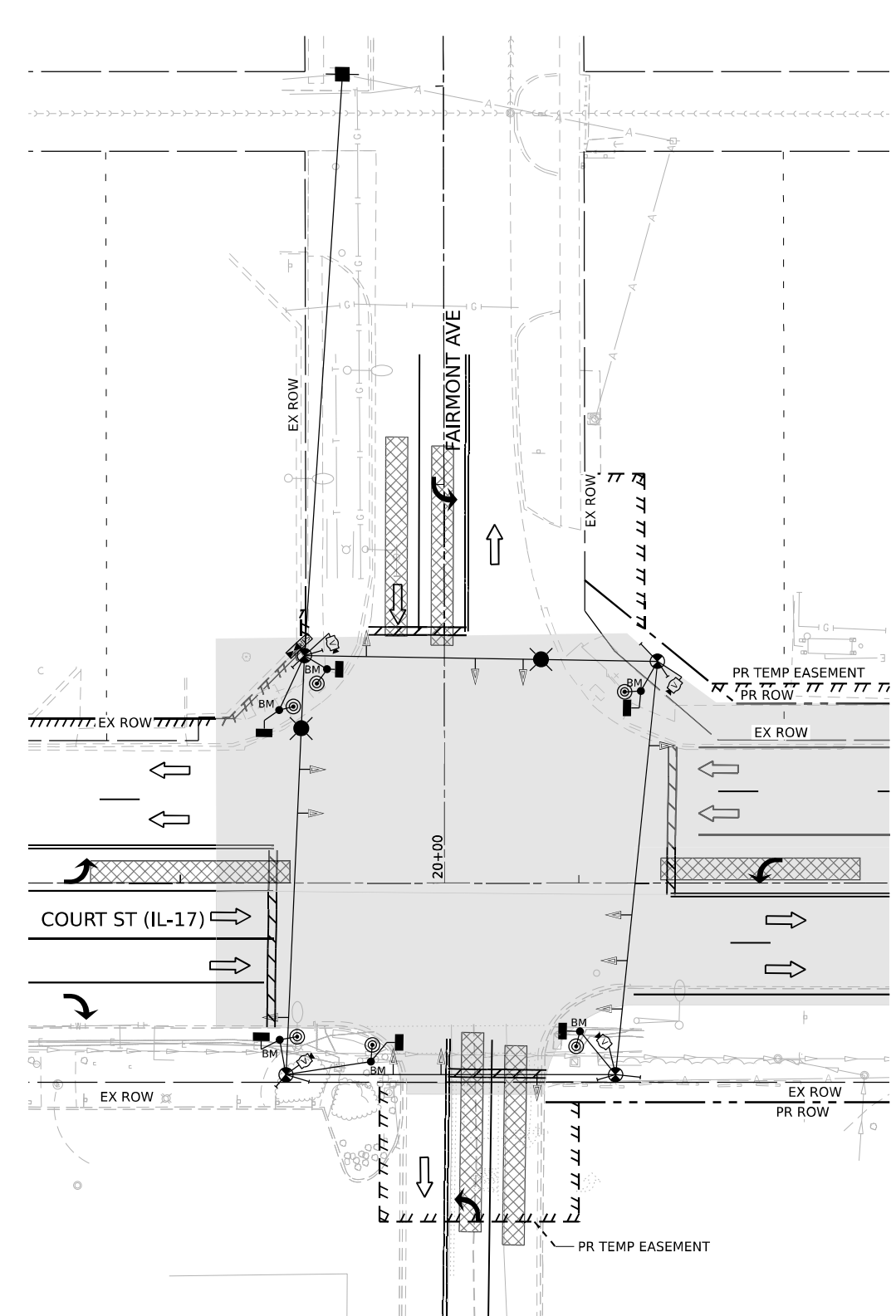
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION IL-17 AT FAIRMONT AVE (STAGE 1B, 2)			
SCALE: 1"=20'	SHEET .	OF SHEETS	STA. TO STA.

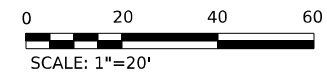
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	577
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



**TEMPORARY TRAFFIC STAGE 3
IL 17 AT FAIRMONT AVE**



**TEMPORARY TRAFFIC STAGE 4, 5A, 5B, 6, 7, 8, AND 9
IL 17 AT FAIRMONT AVE**



MODEL: ITS_IL17_IL17 FAIRMONT STAGE 3
FILE NAME: C:\P\WORK\EX-24\TEMP\EX-24\ITS_IL17-24.DGN



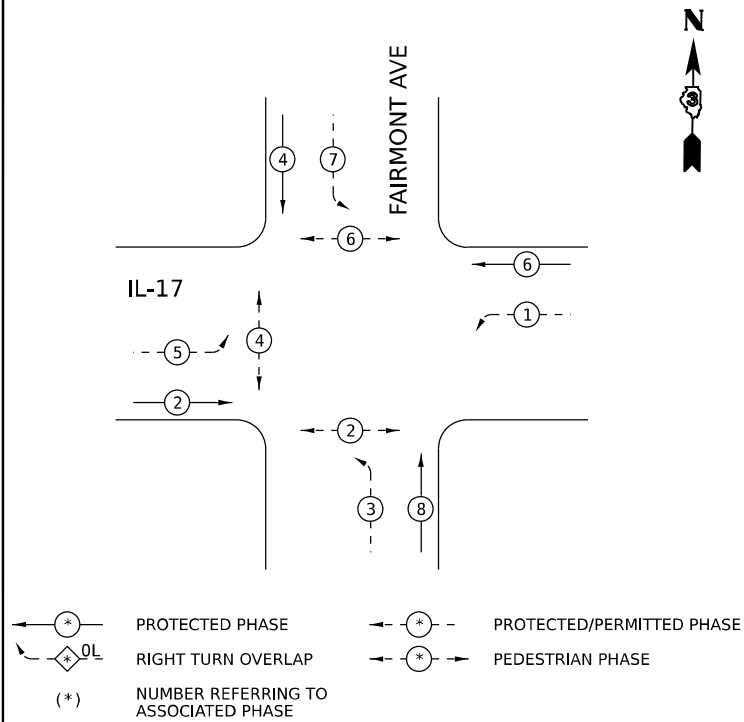
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DRAWN	- AAF	REVIS	-	REVIS	-
PLOT SCALE	= 0.16666633 1/ IN.	CHECKED	- JA	REVIS	-
PLOT DATE	= 4/23/2026	DATE	- 04/22/2026	REVIS	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

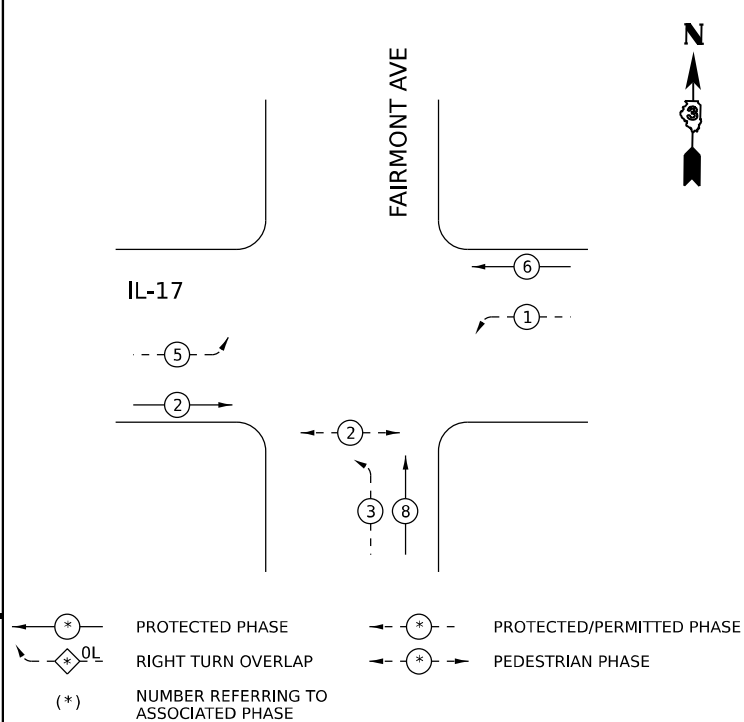
TEMPORARY TRAFFIC SIGNAL INSTALLATION IL-17 AT FAIRMONT AVE (STAGE 3, 4, 5A, 5B, 6, 7, 8, 9)			
SCALE: 1"=20'	SHEET .	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	578
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

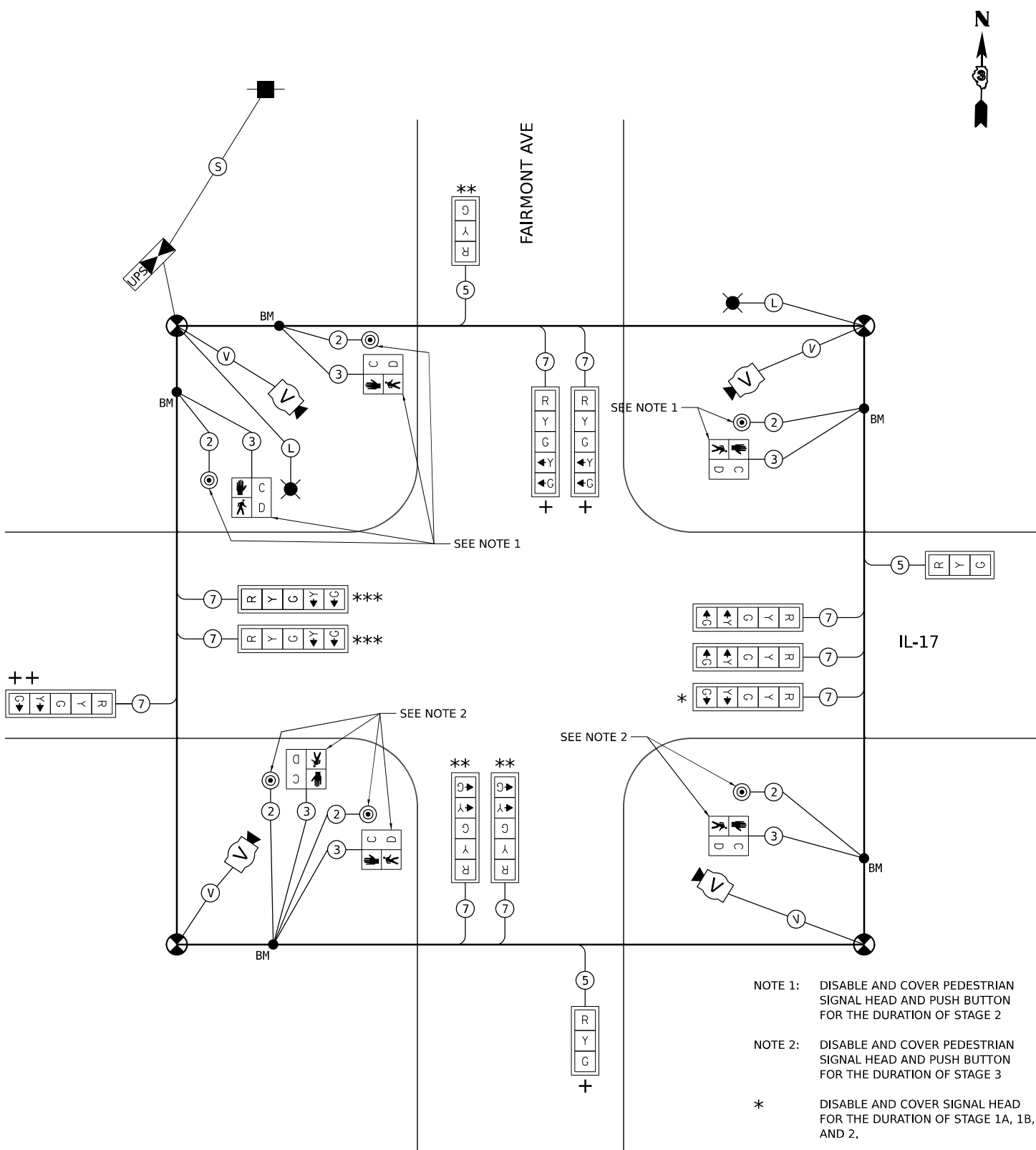
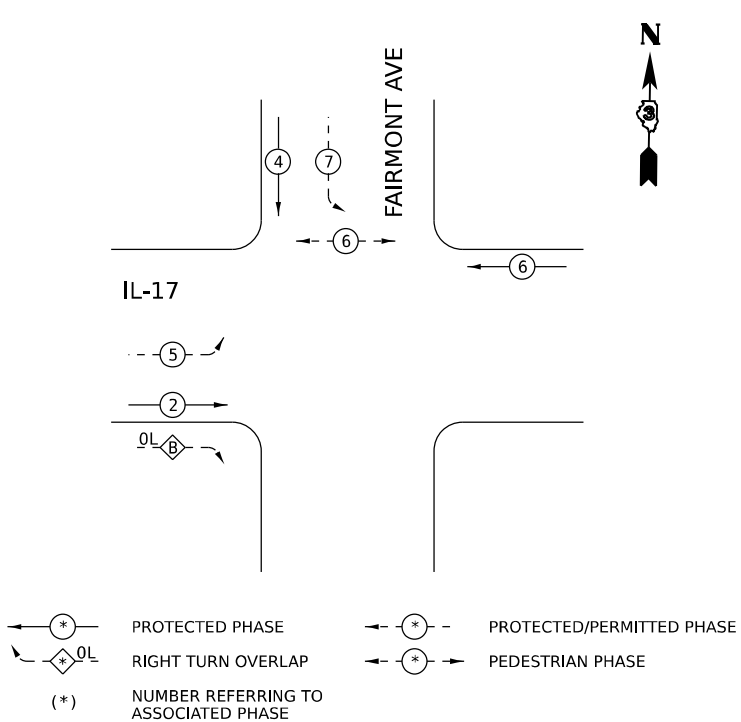
TEMPORARY CONTROLLER SEQUENCE
STAGE 1A, 1B



TEMPORARY CONTROLLER SEQUENCE
STAGE 2



TEMPORARY CONTROLLER SEQUENCE
STAGE 3



TEMPORARY CABLE DIAGRAM
STAGE 1A, 1B, 2, AND 3

NOT TO SCALE

MODEL: 2D SHEET 11
FILE NAME: C:\P\WORK\EX-24\BENTLEY.COM\EX-24\W401.D0160999\0368663-SHT-TTS-CBIL\ML17401.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL
PLOT SCALE	= 0.16666633 1/ IN.
PLOT DATE	= 4/23/2026

DESIGNED	- AAF
DRAWN	- AAF
CHECKED	- JA
DATE	- 04/22/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

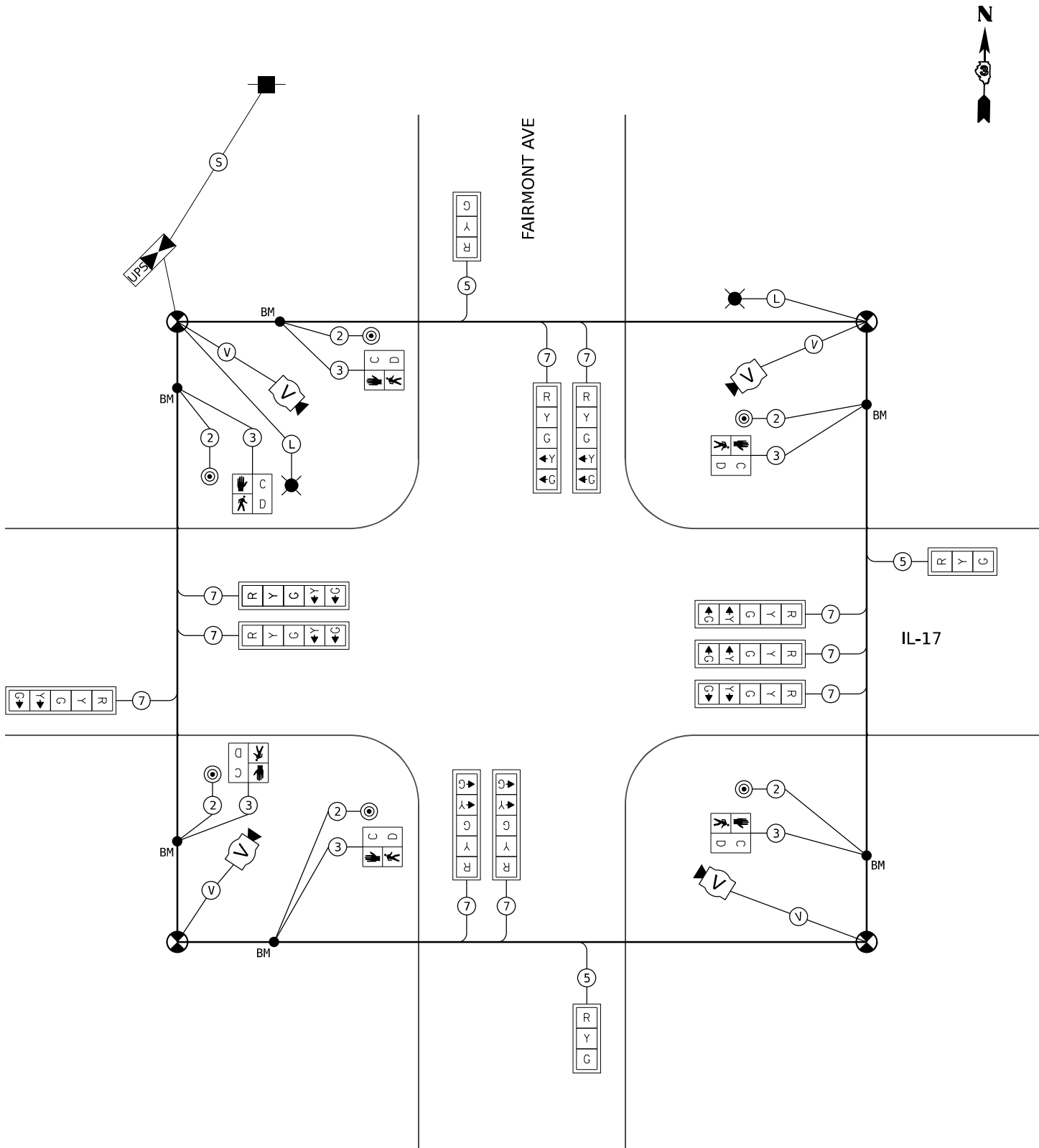
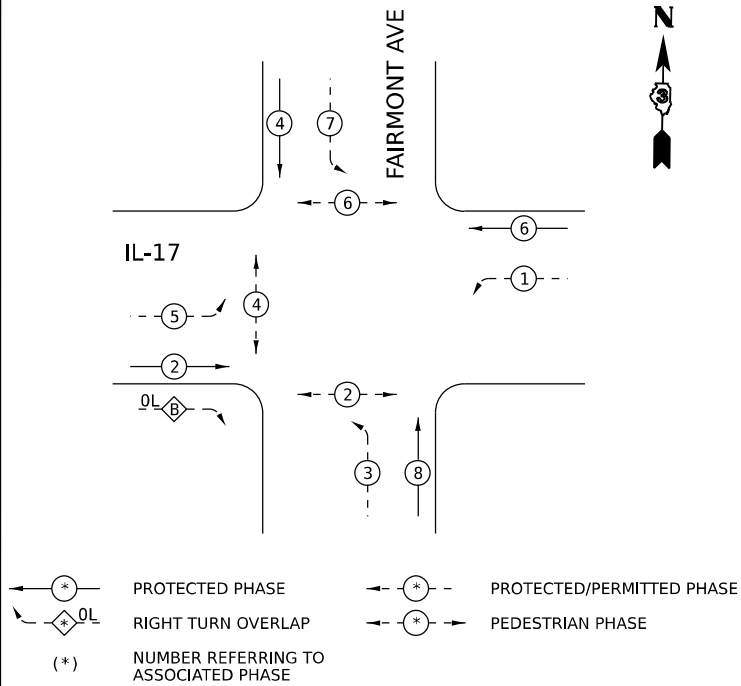
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL CABLE PLAN
IL-17 AT FAIRMONT AVE (STAGE 1A, 1B, 2, 3)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	579
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

TEMPORARY CONTROLLER SEQUENCE
STAGE 4, 5A, 5B, 6, 7, 8, AND 9



TEMPORARY CABLE DIAGRAM
STAGE 4, 5A, 5B, 6, 7, 8, AND 9

NOT TO SCALE

MODEL: 2D SHEET 11
FILE NAME: C:\PWP\WORK\KEXA-2\W.BENTLEY\COM E\1\4\4\201\DO160999\0366863-SHT-11-5-CBIL\11-7-402.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL	DESIGNED	- AAF	REVISED	-
DRAWN	- AAF	REVIS	-	REVIS	-
PLOT SCALE	= 0.16666633 1/ IN.	CHECKED	- JA	REVIS	-
PLOT DATE	= 4/23/2026	DATE	- 04/22/2026	REVIS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

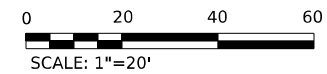
TEMPORARY TRAFFIC SIGNAL CABLE PLAN
IL-17 AT FAIRMONT AVE (STAGE 4, 5A, 5B, 6, 7, 8, 9)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	580
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

5	EACH	SIGNAL HEAD, 1-FACE, 3 SECTION, MAST ARM MOUNTED, WITH BACKPLATE
1	EACH	SIGNAL HEAD, 1-FACE, 5 SECTION, MAST ARM MOUNTED, WITH BACKPLATE
4	EACH	SIGNAL HEAD, 1-FACE, 3 SECTION, BRACKET MOUNTED, WITH BACKPLATE
1	EACH	SIGNAL HEAD, 1-FACE, 5 SECTION, BRACKET MOUNTED, WITH BACKPLATE
6	EACH	PEDESTRIAN SIGNAL HEADS
6	EACH	PEDESTRIAN PUSH BUTTON
2	EACH	COMBINATION STEEL MAST ARM ASSEMBLY AND POLE
1	EACH	OVERHEAD SIGN TRUSS (WITH MOUNTED TRAFFIC SIGNALS)
1	EACH	TRAFFIC SIGNAL POST
1	EACH	SERVICE INSTALLATION
1	EACH	TRAFFIC SIGNAL CABINET AND ALL COMPONENTS
4	EACH	HANDHOLE
1	EACH	DOUBLE HANDHOLE
1	EACH	JUNCTION BOX
ALL CONDUIT WIRES		

1. TEMPORARY TRAFFIC SIGNAL INSTALLATION UTILIZES EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS, EXISTING EQUIPMENT UTILIZED FOR TEMPORARY INSTALLATION SHALL BE MAINTAINED FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL IS ACTIVATED, FURNISH NEW CABLES, WHERE NEEDED FOR EXISTING SIGNAL HEADS AND EMERGENCY VEHICLES PREEMPTION EQUIPMENT TO PROVIDE ADEQUATE LENGTH FOR PROPER PLACEMENT ALONG THE SPAN WIRE.
2. LUMINAIRE ATTACHED TO TEMPORARY WOOD POLES SHALL BE MOUNTED AT A HEIGHT OF 45 FT ABOVE PAVEMENT. PROVIDE WOOD POLE OF APPROPRIATE LENGTH AS NOTED IN THE SPECIFICATIONS FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
3. EXISTING LOOP DETECTION SHALL BE DISCONNECTED AND SHALL BE REMOVED AS SHOWN ON THE PLANS.



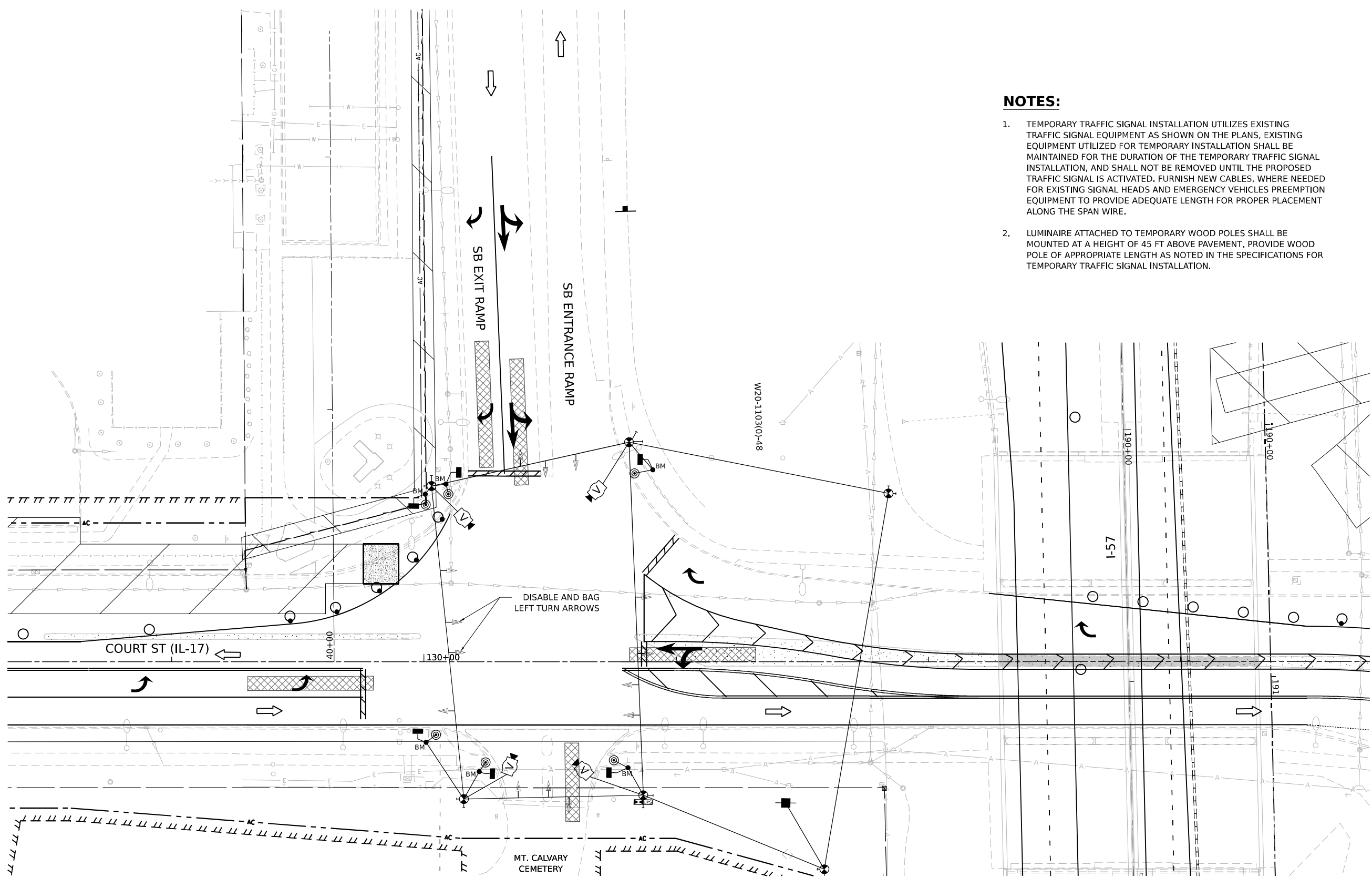
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FILE NAME: C:\PW WORK\EXP-PW.BENTLEY.COM EXP-PW-01\01060999\ID366863-SHT-TTS-PLN-IL17-08.DGN



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=20'	SHEET .	OF	SHEETS	STA.	TO STA.
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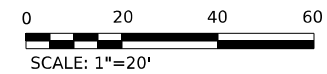
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK.1&[(46-3)HB-5]HB-1	KANKAKEE	1183	581
		CONTRACT NO. 66863		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. TEMPORARY TRAFFIC SIGNAL INSTALLATION UTILIZES EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS, EXISTING EQUIPMENT UTILIZED FOR TEMPORARY INSTALLATION SHALL BE MAINTAINED FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL IS ACTIVATED. FURNISH NEW CABLES, WHERE NEEDED FOR EXISTING SIGNAL HEADS AND EMERGENCY VEHICLES PREEMPTION EQUIPMENT TO PROVIDE ADEQUATE LENGTH FOR PROPER PLACEMENT ALONG THE SPAN WIRE.
2. LUMINAIRE ATTACHED TO TEMPORARY WOOD POLES SHALL BE MOUNTED AT A HEIGHT OF 45 FT ABOVE PAVEMENT, PROVIDE WOOD POLE OF APPROPRIATE LENGTH AS NOTED IN THE SPECIFICATIONS FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

**TEMPORARY TRAFFIC STAGE 2
IL 17 AT SB ENTRANCE/EXIT RAMP**



MODEL: ITS_IL17_IL17 PLAN/STAGE 1
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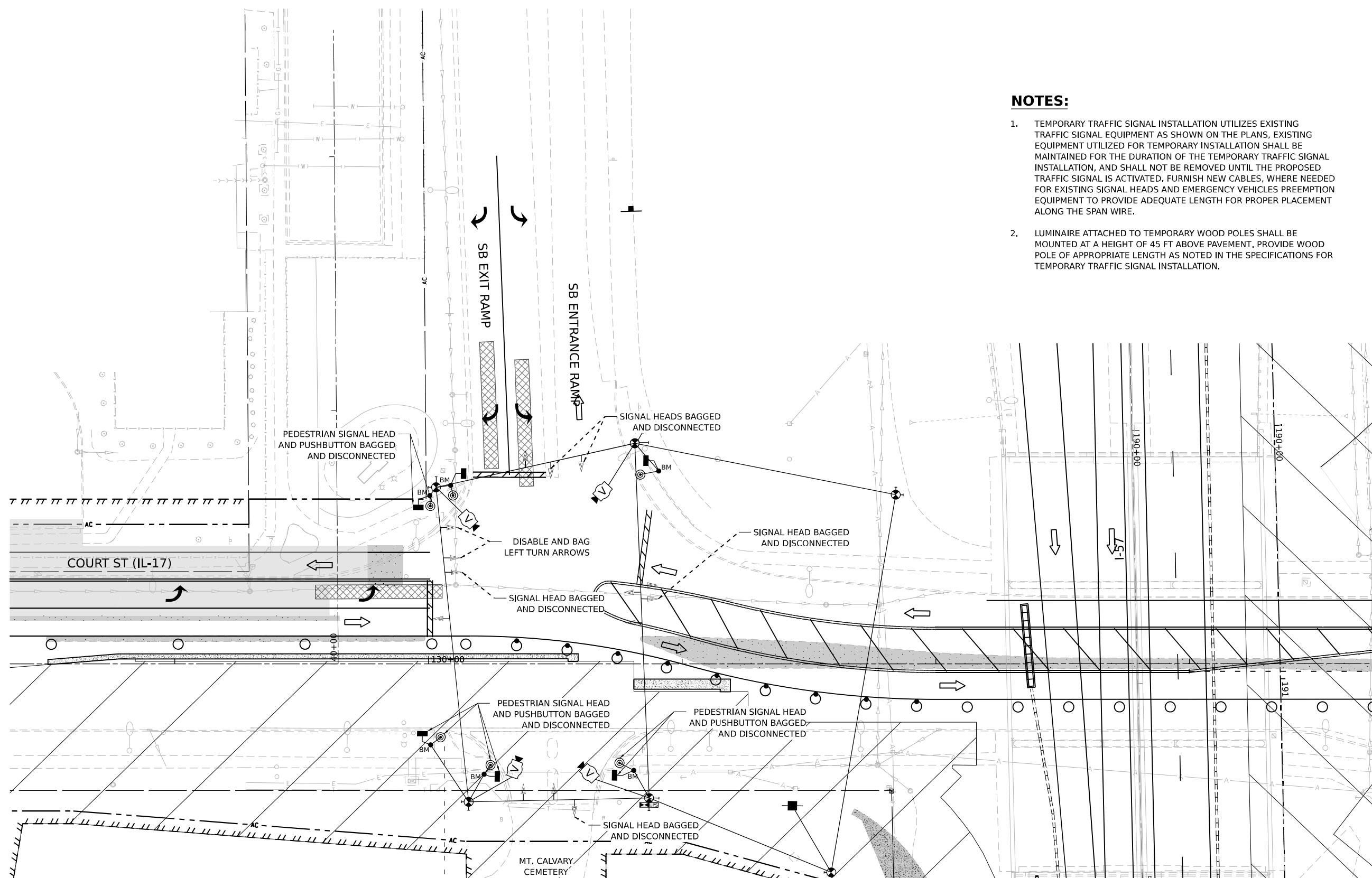


USER NAME = SALASL	DESIGNED - AAF	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION IL-17 AT I-57 SB RAMPS (STAGE 2)			
SCALE: 1"=20'	SHEET .	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	582
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



0 20 40 60
SCALE: 1"=20'

1. TEMPORARY TRAFFIC SIGNAL INSTALLATION UTILIZES EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS, EXISTING EQUIPMENT UTILIZED FOR TEMPORARY INSTALLATION SHALL BE MAINTAINED FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL IS ACTIVATED. FURNISH NEW CABLES, WHERE NEEDED FOR EXISTING SIGNAL HEADS AND EMERGENCY VEHICLES PREEMPTION EQUIPMENT TO PROVIDE ADEQUATE LENGTH FOR PROPER PLACEMENT ALONG THE SPAN WIRE.
2. LUMINAIRE ATTACHED TO TEMPORARY WOOD POLES SHALL BE MOUNTED AT A HEIGHT OF 45 FT ABOVE PAVEMENT, PROVIDE WOOD POLE OF APPROPRIATE LENGTH AS NOTED IN THE SPECIFICATIONS FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.



QUIGG ENGINEERING INC.

USER NAME = SALASL	DESIGNED - AAF	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633' / IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY TRAFFIC SIGNAL INSTALLATION IL-17 AT I-57 SB RAMPS (STAGE 3)

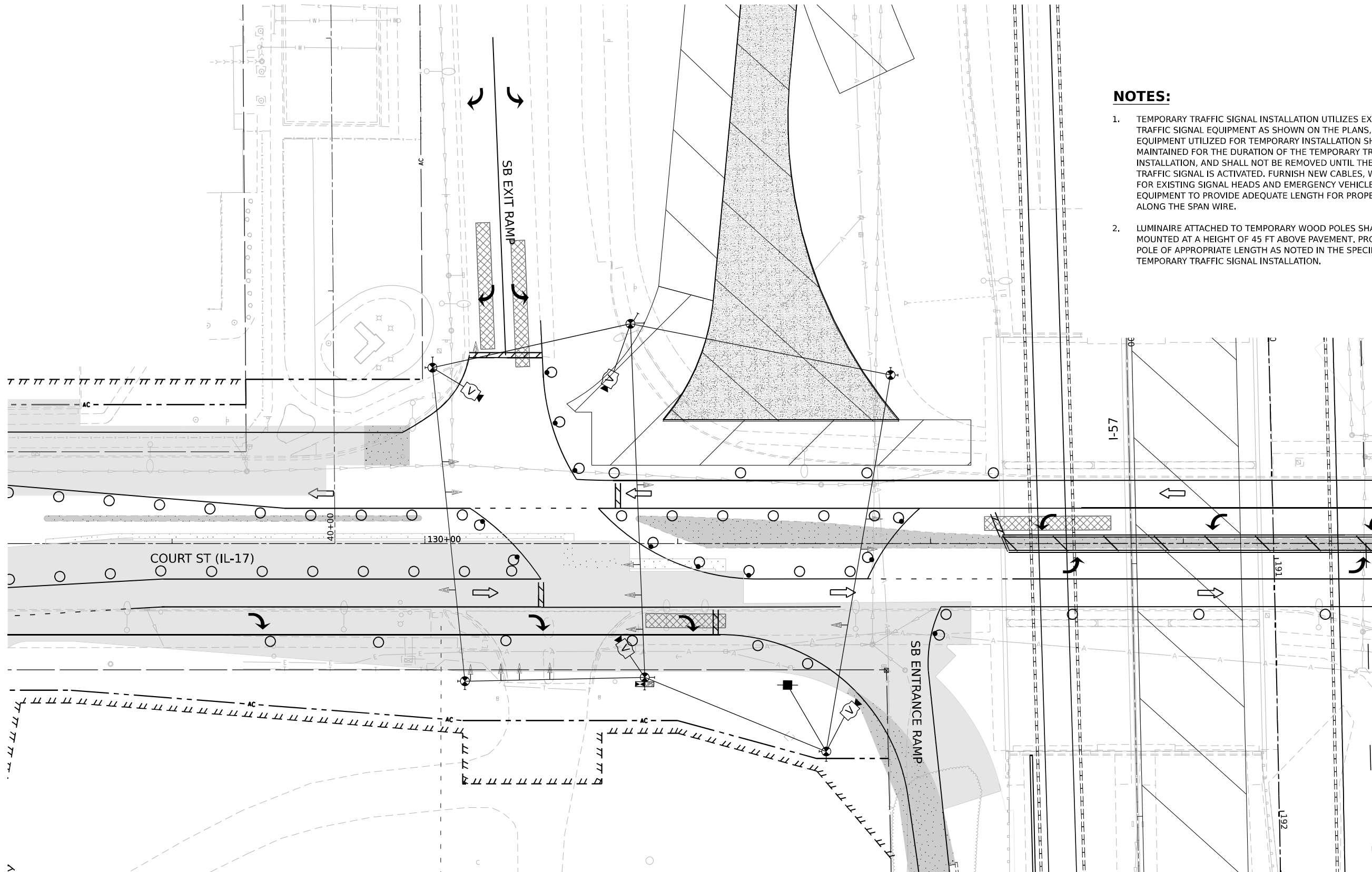
SCALE: 1"=20'	SHEET .	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R,HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	583
CONTRACT NO. 66863				
	ILLINOIS	FED. AID PROJECT		

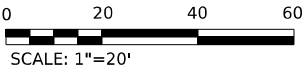


NOTES:

1. TEMPORARY TRAFFIC SIGNAL INSTALLATION UTILIZES EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS. EXISTING EQUIPMENT UTILIZED FOR TEMPORARY INSTALLATION SHALL BE MAINTAINED FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL IS ACTIVATED. FURNISH NEW CABLES, WHERE NEEDED FOR EXISTING SIGNAL HEADS AND EMERGENCY VEHICLES PREEMPTION EQUIPMENT TO PROVIDE ADEQUATE LENGTH FOR PROPER PLACEMENT ALONG THE SPAN WIRE.
2. LUMINAIRE ATTACHED TO TEMPORARY WOOD POLES SHALL BE MOUNTED AT A HEIGHT OF 45 FT ABOVE PAVEMENT, PROVIDE WOOD POLE OF APPROPRIATE LENGTH AS NOTED IN THE SPECIFICATIONS FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.



**TEMPORARY TRAFFIC STAGE 4 AND 5A
IL 17 AT SB ENTRANCE/EXIT RAMP**



MODEL: ITS_IL17_IL17 PLANNING STAGE 1
FILE NAME: C:\P\WORK\KANKAKEE\SENTINEL\COM_E\94\W401\00160999\036863-SHT-TTS-PLAN-IL17-1.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL
DESIGNED	- AAF
DRAWN	- AAF
PLOT SCALE	= 0.16666633 1/ IN.
PLOT DATE	= 4/23/2026
CHECKED	- JA
DATE	- 04/22/2026

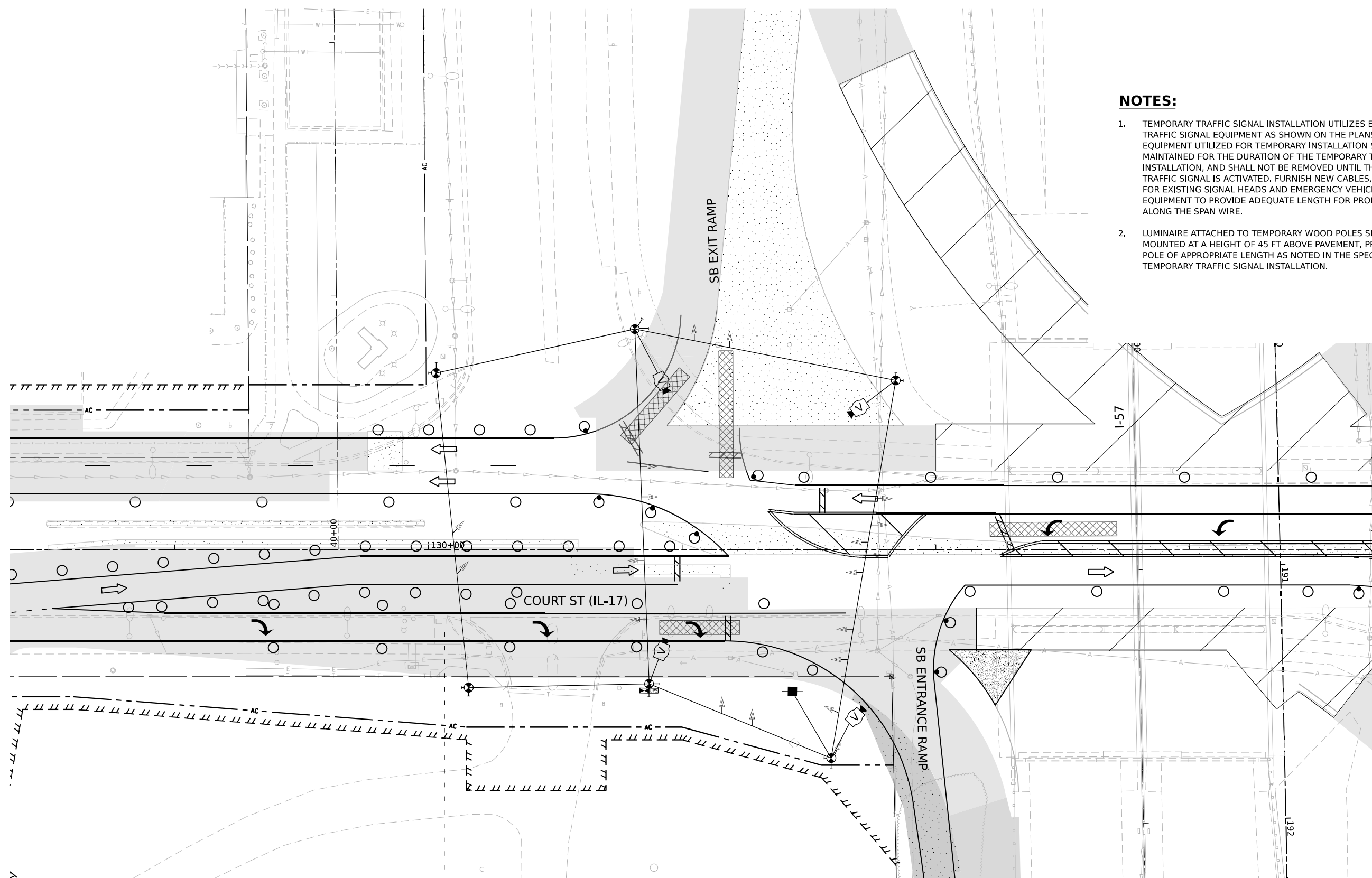
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
IL-17 AT I-57 SB RAMPS (STAGE 4, 5A)

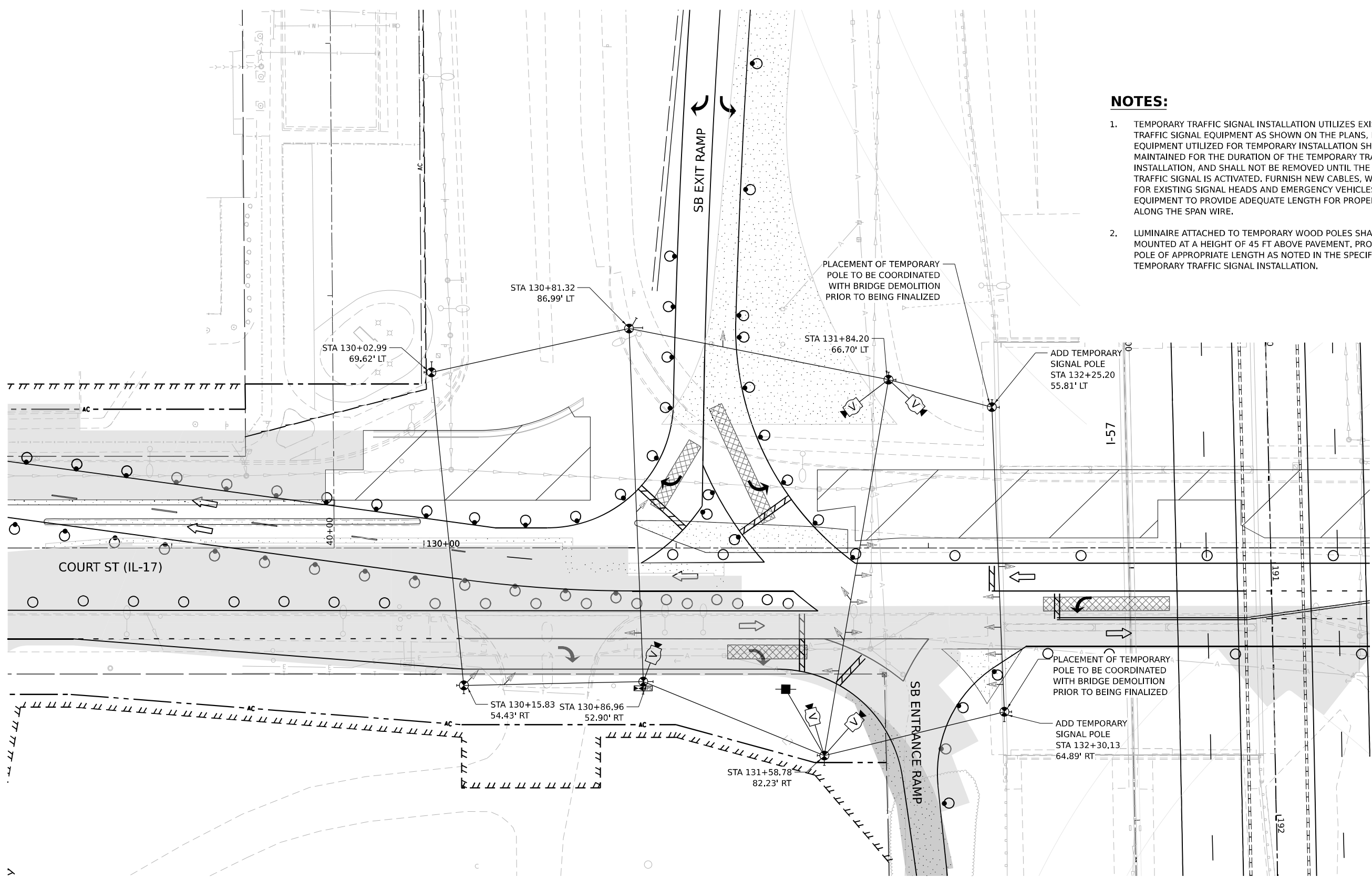
SCALE: 1"=20' SHEET . OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	584
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



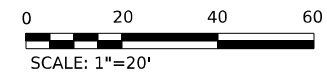
0 20 40 60
SCALE: 1"=20'

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R,HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	585
CONTRACT NO. 66863				
ILLINOIS		FED. AID PROJECT		



- NOTES:**
- TEMPORARY TRAFFIC SIGNAL INSTALLATION UTILIZES EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS, EXISTING EQUIPMENT UTILIZED FOR TEMPORARY INSTALLATION SHALL BE MAINTAINED FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL IS ACTIVATED. FURNISH NEW CABLES, WHERE NEEDED FOR EXISTING SIGNAL HEADS AND EMERGENCY VEHICLES PREEMPTION EQUIPMENT TO PROVIDE ADEQUATE LENGTH FOR PROPER PLACEMENT ALONG THE SPAN WIRE.
 - LUMINAIRE ATTACHED TO TEMPORARY WOOD POLES SHALL BE MOUNTED AT A HEIGHT OF 45 FT ABOVE PAVEMENT, PROVIDE WOOD POLE OF APPROPRIATE LENGTH AS NOTED IN THE SPECIFICATIONS FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

**TEMPORARY TRAFFIC STAGE 6
IL 17 AT SB ENTRANCE/EXIT RAMP**



MODEL: ITS IL17_IL17 PLACEMENT STAGE 1
FILE NAME: C:\PW\WORK\EX-2\WSENTE\EX-2\IL17-1\17-1.DGN



USER NAME = SALASL	DESIGNED - AAF	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

**STATE OF ILLINOIS
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**TEMPORARY TRAFFIC SIGNAL INSTALLATION
IL-17 AT I-57 SB RAMPS (STAGE 6)**

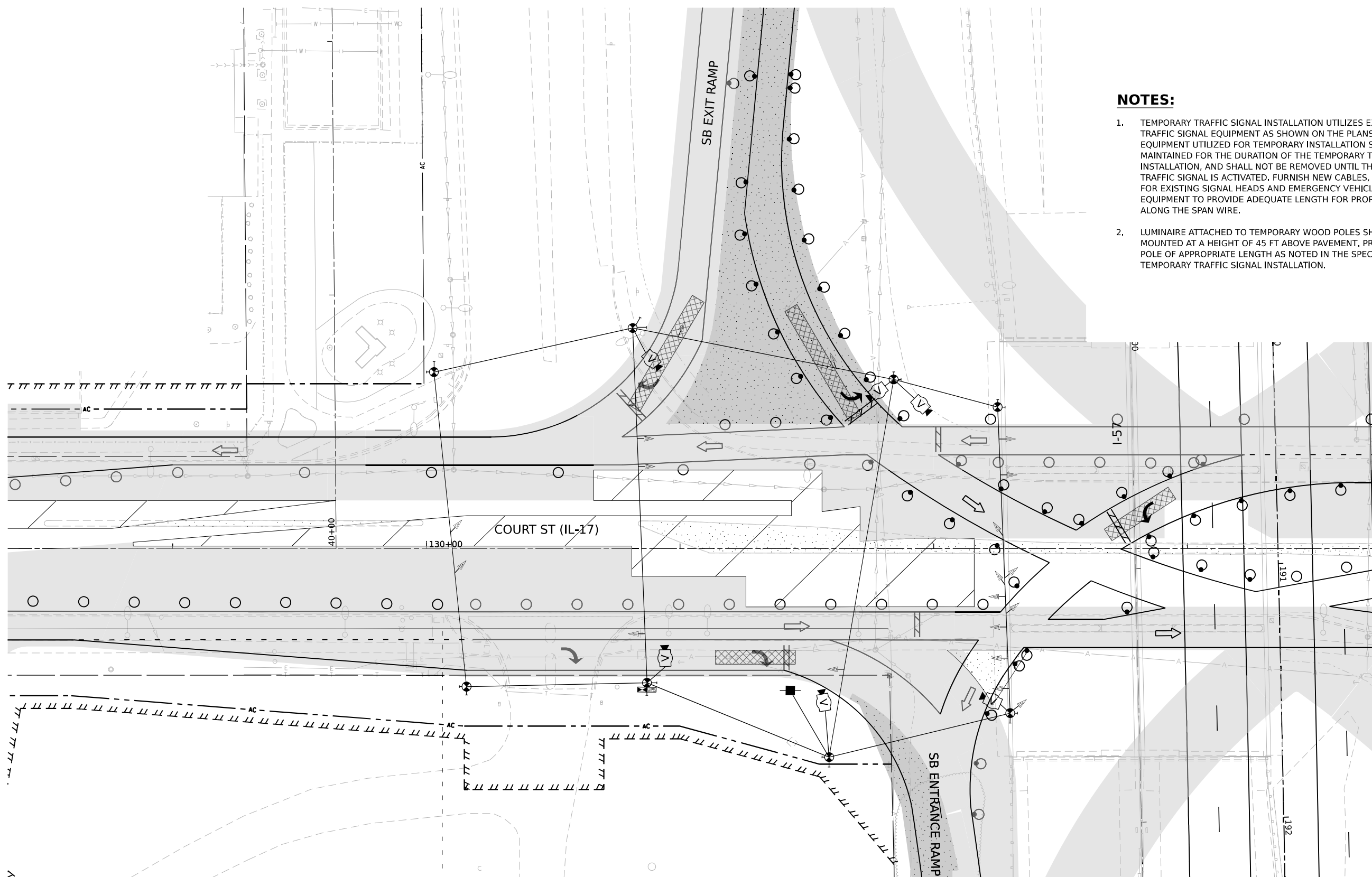
SCALE: 1"=20' SHEET . OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	586
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

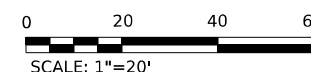


NOTES:

1. TEMPORARY TRAFFIC SIGNAL INSTALLATION UTILIZES EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS. EXISTING EQUIPMENT UTILIZED FOR TEMPORARY INSTALLATION SHALL BE MAINTAINED FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL IS ACTIVATED. FURNISH NEW CABLES, WHERE NEEDED FOR EXISTING SIGNAL HEADS AND EMERGENCY VEHICLES PREEMPTION EQUIPMENT TO PROVIDE ADEQUATE LENGTH FOR PROPER PLACEMENT ALONG THE SPAN WIRE.
2. LUMINAIRE ATTACHED TO TEMPORARY WOOD POLES SHALL BE MOUNTED AT A HEIGHT OF 45 FT ABOVE PAVEMENT, PROVIDE WOOD POLE OF APPROPRIATE LENGTH AS NOTED IN THE SPECIFICATIONS FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.



**TEMPORARY TRAFFIC STAGE 7
IL 17 AT SB ENTRANCE/EXIT RAMP**



MODEL: ITS_IL17_IL17 PLANVIEW STAGE 1
FILE NAME: C:\PW\WORK\EX-24\SENTINEL\COM_E\94PW\01\00160999\036863-SHT-TTS-PLAN-IL17-14.DGN



USER NAME = SALASL	DESIGNED - AAF	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
IL-17 AT I-57 SB RAMPS (STAGE 7)**

SCALE: 1"=20' SHEET . OF SHEETS STA. TO STA.

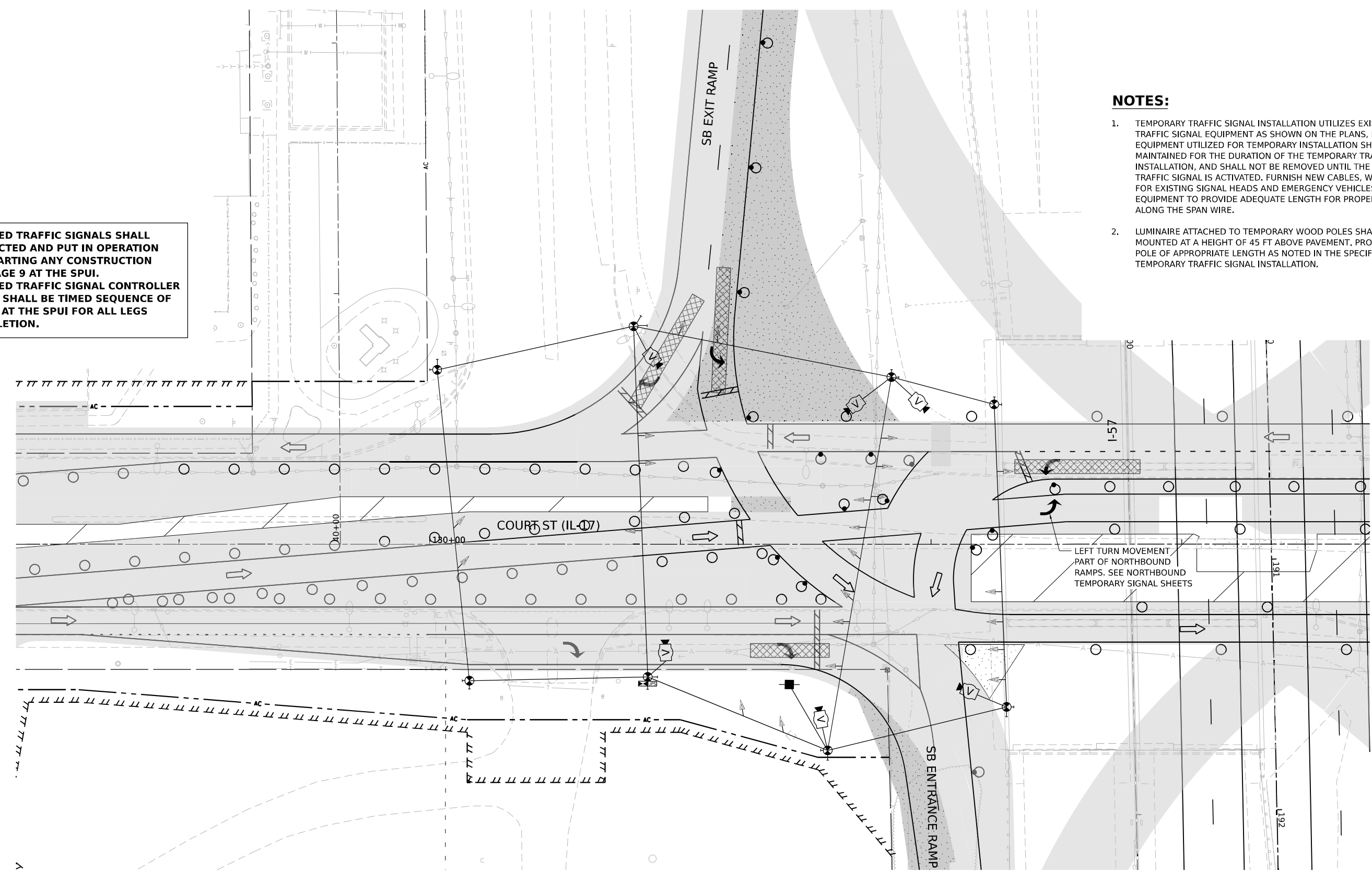
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	587
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



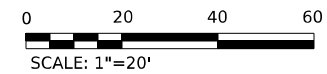
NOTES:

1. TEMPORARY TRAFFIC SIGNAL INSTALLATION UTILIZES EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS. EXISTING EQUIPMENT UTILIZED FOR TEMPORARY INSTALLATION SHALL BE MAINTAINED FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL IS ACTIVATED. FURNISH NEW CABLES, WHERE NEEDED FOR EXISTING SIGNAL HEADS AND EMERGENCY VEHICLES PREEMPTION EQUIPMENT TO PROVIDE ADEQUATE LENGTH FOR PROPER PLACEMENT ALONG THE SPAN WIRE.
2. LUMINAIRE ATTACHED TO TEMPORARY WOOD POLES SHALL BE MOUNTED AT A HEIGHT OF 45 FT ABOVE PAVEMENT, PROVIDE WOOD POLE OF APPROPRIATE LENGTH AS NOTED IN THE SPECIFICATIONS FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

THE PROPOSED TRAFFIC SIGNALS SHALL BE CONSTRUCTED AND PUT IN OPERATION PRIOR TO STARTING ANY CONSTRUCTION WORK IN STAGE 9 AT THE SPUI. THE PROPOSED TRAFFIC SIGNAL CONTROLLER FOR STAGE 9 SHALL BE TIMED SEQUENCE OF OPERATIONS AT THE SPUI FOR ALL LEGS UNTIL COMPLETION.



**TEMPORARY TRAFFIC STAGE 8
IL 17 AT SB ENTRANCE/EXIT RAMP**



MODEL: ITS IL17_IL17 PLAN/STAGE 1
FILE NAME: C:\PW\WORK\KANKAKEE\SENT\IL17\ITS-IL17-15.DGN
E:\94\W401\DO160999\036863-SHT-ITS-IL17-15.DGN



USER NAME = SALASL	DESIGNED - AAF	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

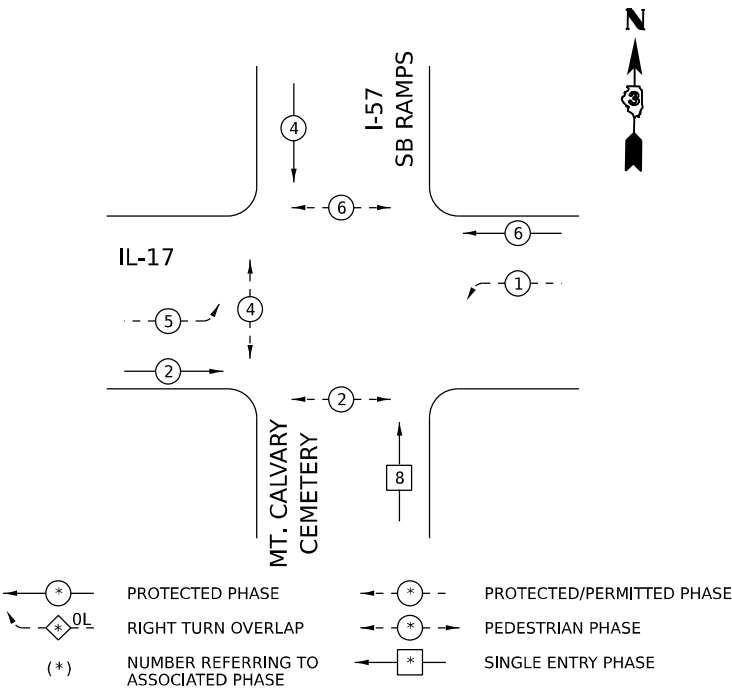
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
IL-17 AT I-57 SB RAMPS (STAGE 8)

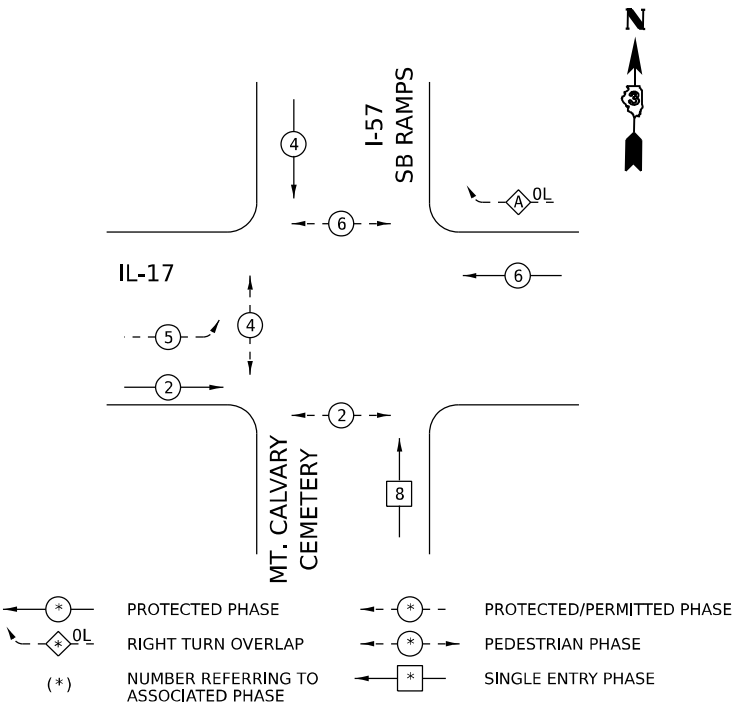
SCALE: 1"=20' SHEET . OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	588
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

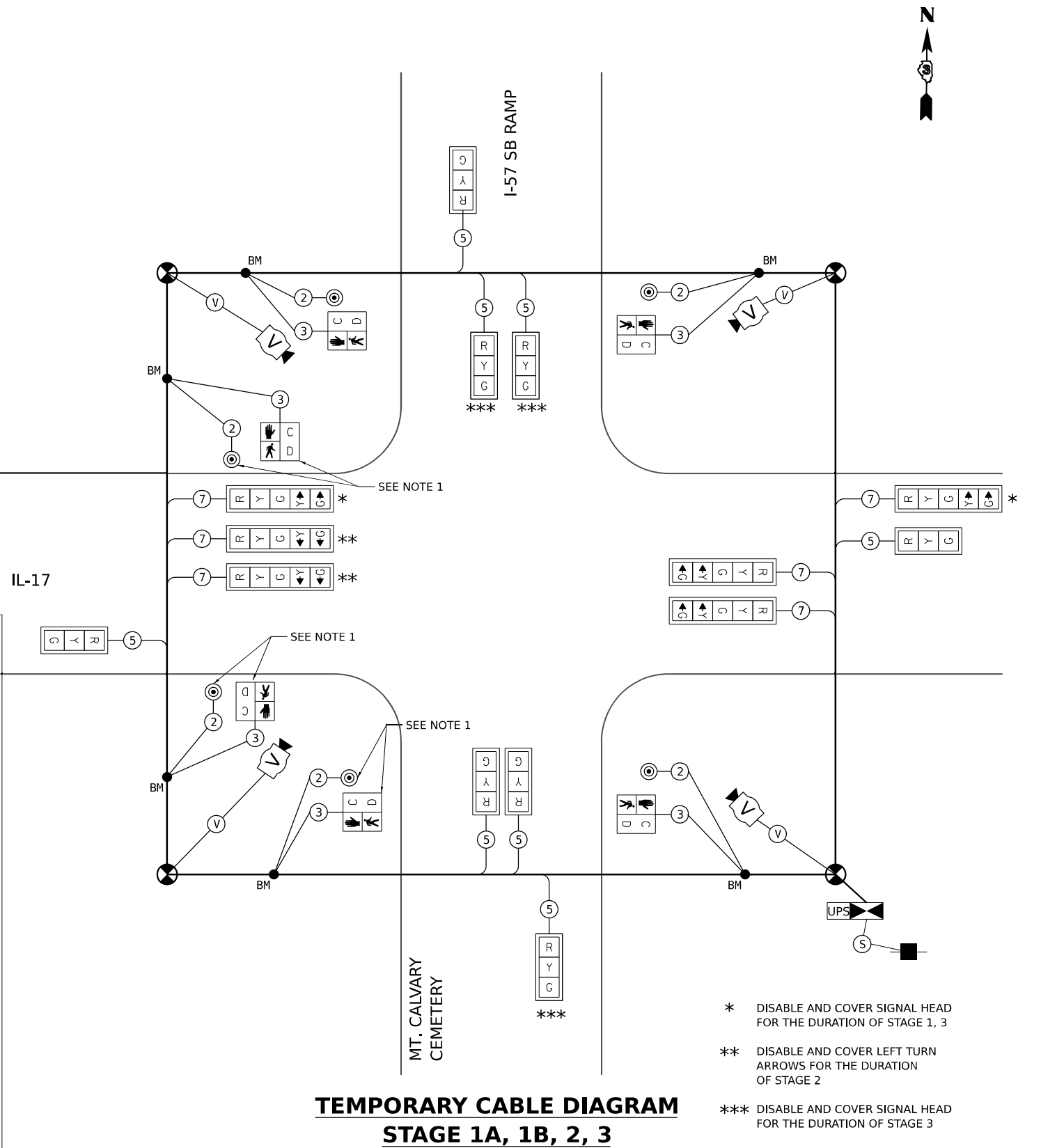
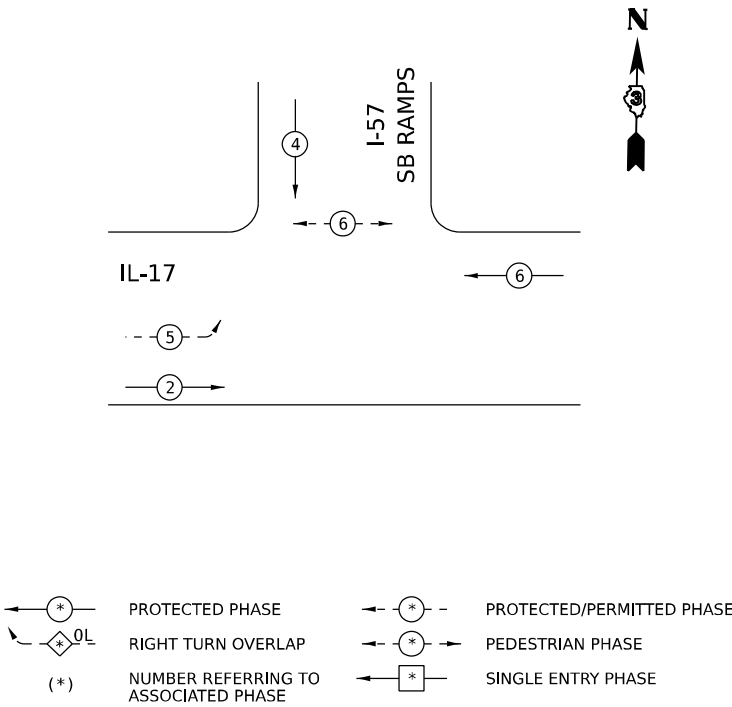
TEMPORARY CONTROLLER SEQUENCE
STAGE 1A, 1B



TEMPORARY CONTROLLER SEQUENCE
STAGE 2



TEMPORARY CONTROLLER SEQUENCE
STAGE 3



TEMPORARY CABLE DIAGRAM
STAGE 1A, 1B, 2, 3

MODEL: 2D SHEET 11
FILE NAME: C:\P\WORK\EX-24\BENTLEY\COM\EX-24\W401.D0160999\0368663-SHT-TTS-CBIR\N4117405.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL
PLOT SCALE	= 0.16666633 1/ IN.
PLOT DATE	= 4/23/2026

DESIGNED	- AAF
DRAWN	- AAF
CHECKED	- JA
DATE	- 04/22/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

PROTECTED PHASE	PROTECTED/PERMITTED PHASE
RIGHT TURN OVERLAP	PEDESTRIAN PHASE
NUMBER REFERRING TO ASSOCIATED PHASE	SINGLE ENTRY PHASE

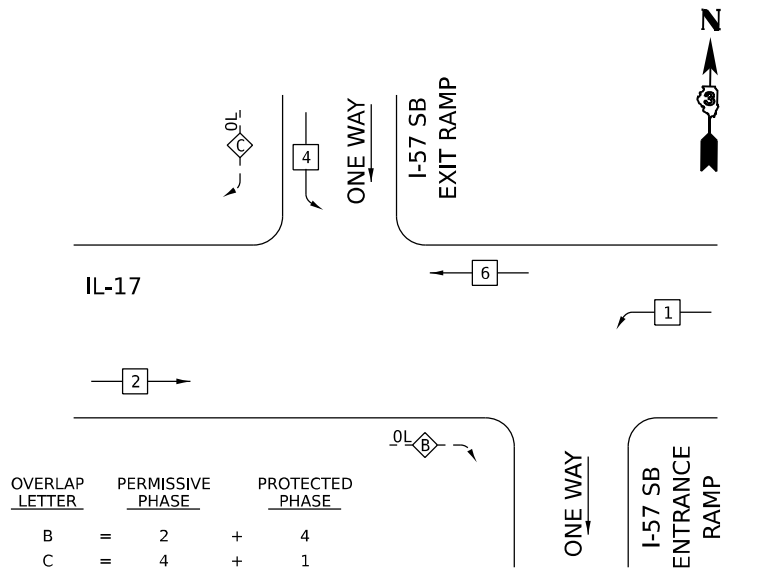
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL CABLE PLAN
IL-17 AT I-57 SB RAMP (STAGE 1A, 1B, 2, 3)

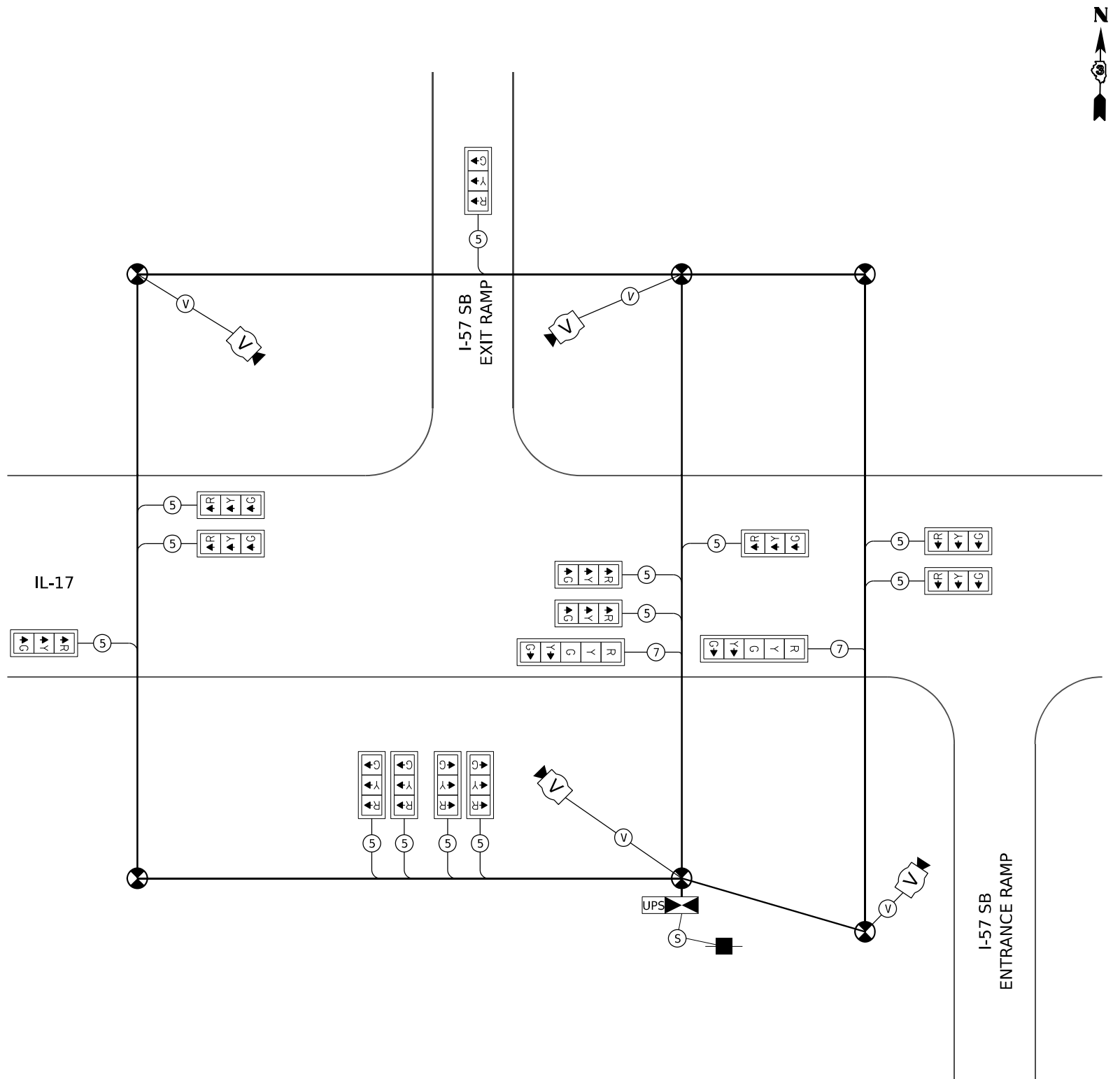
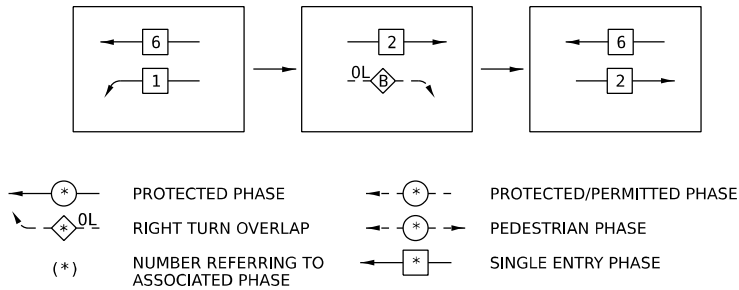
SCALE: NONE SHEET . OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	589
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

TEMPORARY CONTROLLER SEQUENCE
STAGE 4



LEAD-LAG PHASING ALONG IL-17



TEMPORARY CABLE DIAGRAM
STAGE 4 AND 5A

MODEL: 2D SHEET 11
FILE NAME: C:\PWA\WORK\KEXA-2\W.BENTLEY\COM E\1\94\W401.D0160999\0368663-SHT-11-S-CBIL\N\117406.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL	DESIGNED	- AAF	REVISED	-
DRAWN	- AAF	REVISION	-	REVISION	-
PLOT SCALE	= 0.16666633 1/ IN.	CHECKED	- JA	REVISION	-
PLOT DATE	= 4/23/2026	DATE	- 04/22/2026	REVISION	-

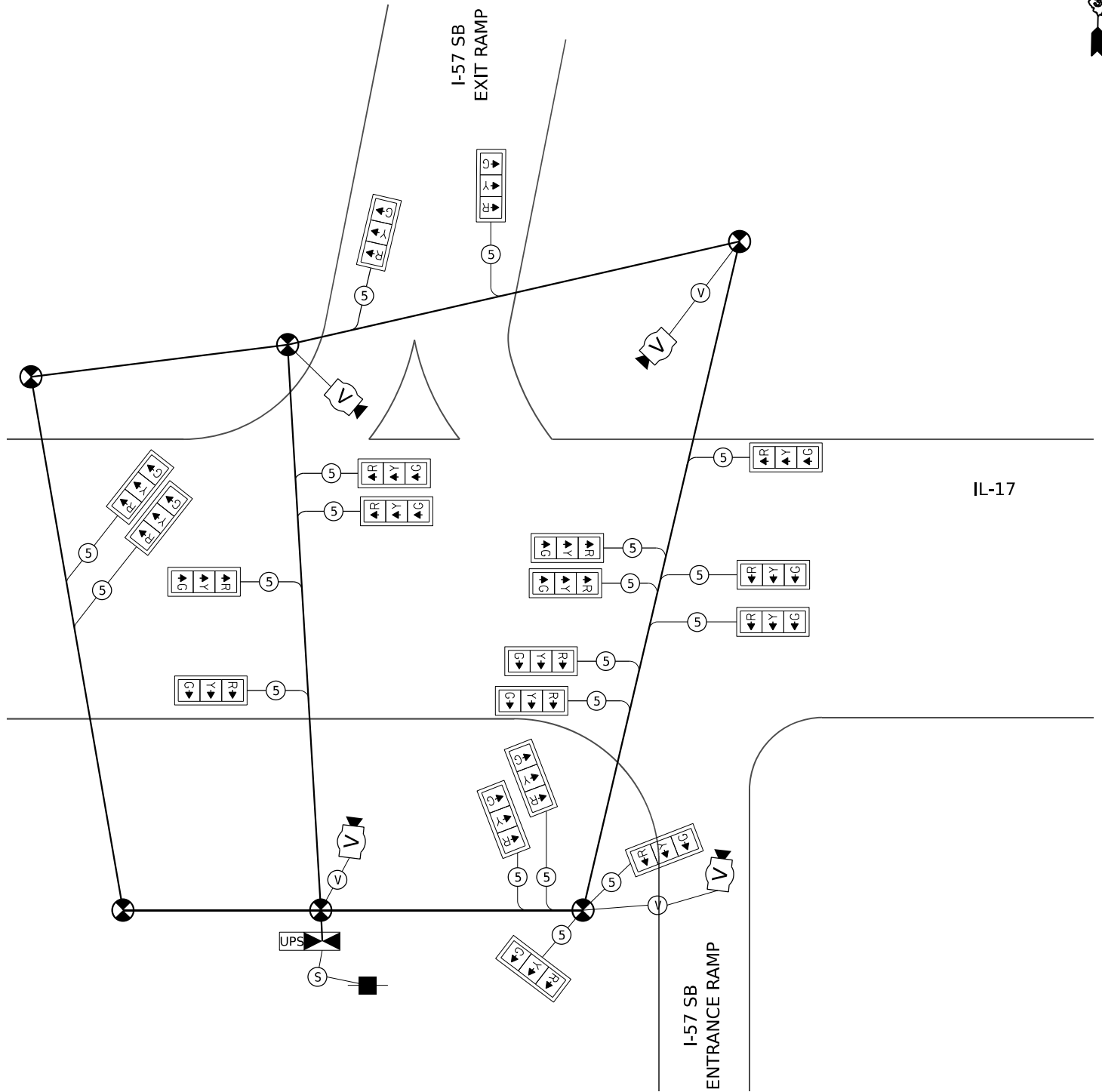
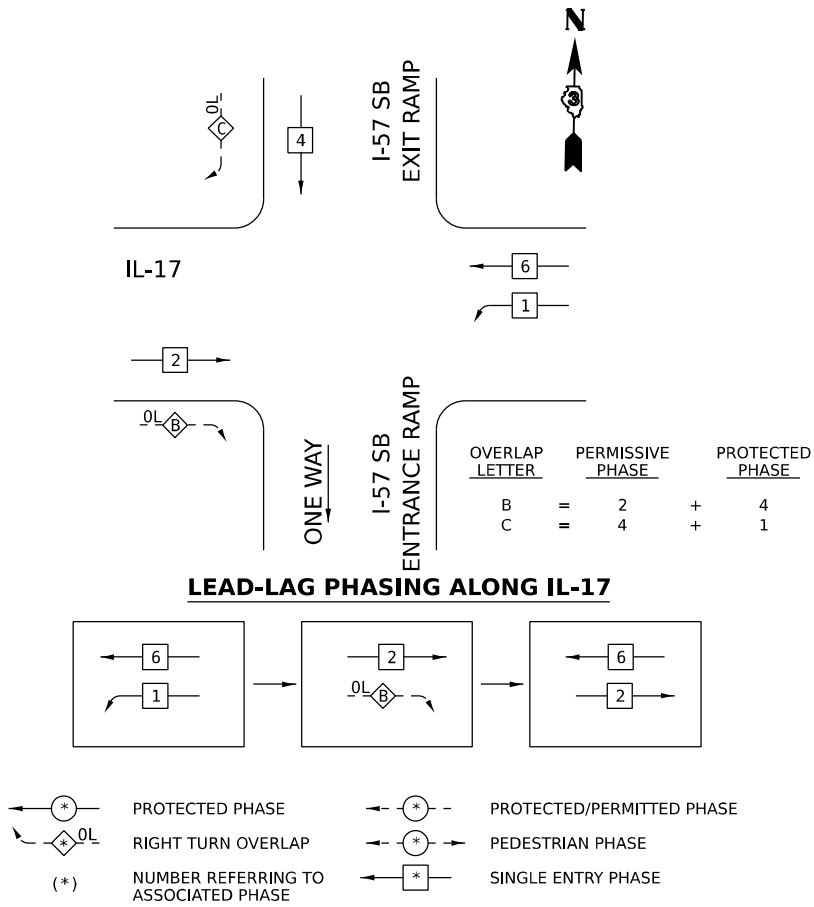
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL CABLE PLAN
IL-17 AT I-57 SB RAMPS (STAGE 4, 5A)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	590
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

TEMPORARY CONTROLLER SEQUENCE
STAGE 5



TEMPORARY CABLE DIAGRAM
STAGE 5B

MODEL: 2D SHEET 11
FILE NAME: C:\PWA\WORK\EX-214\BENTLEY\COM E\14\4\4\21\DOT160999\036863-SHT-11-5-CB1R\N117407.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL
DESIGNED	- AAF
DRAWN	- AAF
CHECKED	- JA
DATE	- 04/22/2026
PLOT SCALE	= 0.16666633 1/ IN.
PLOT DATE	= 4/23/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

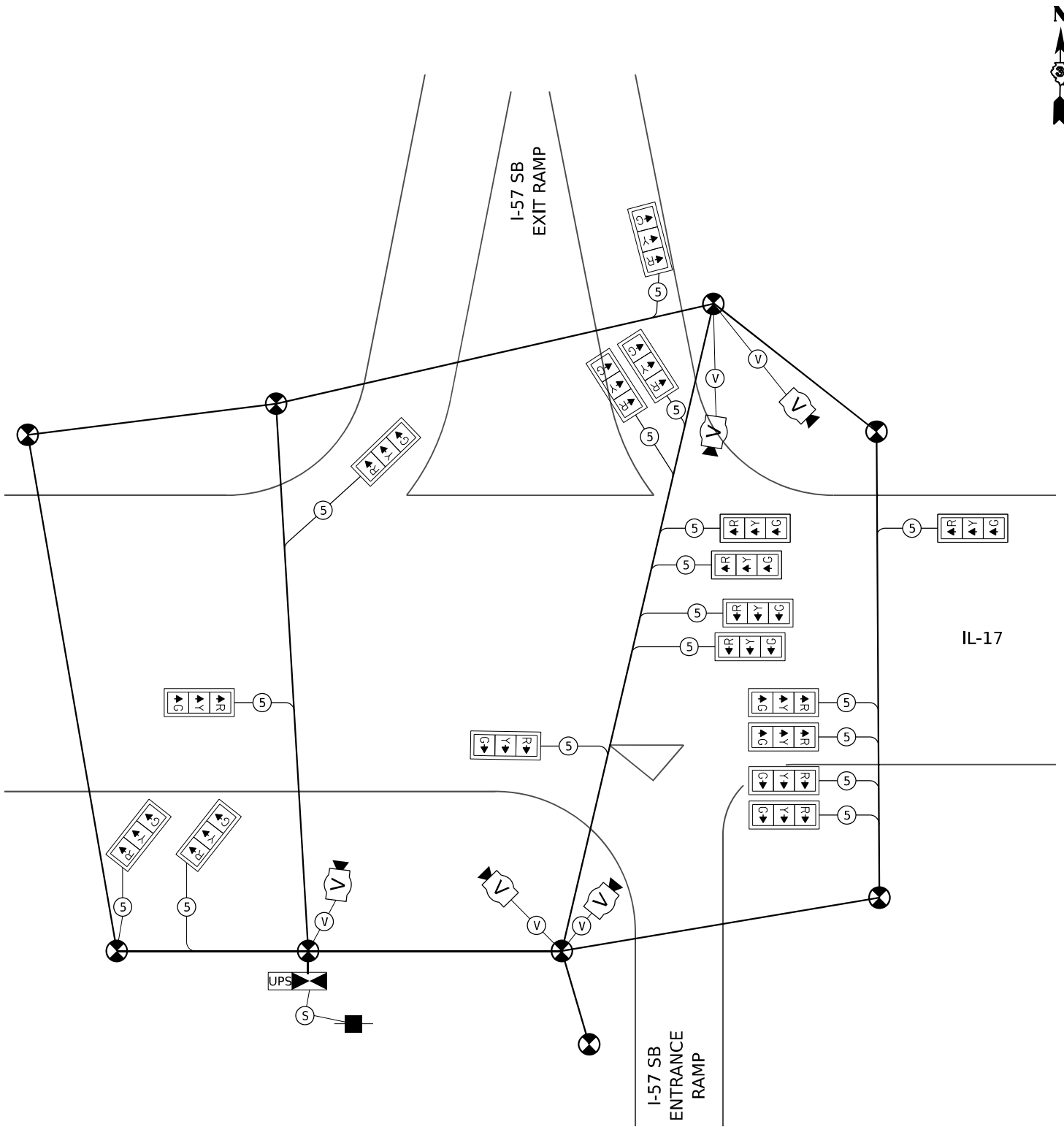
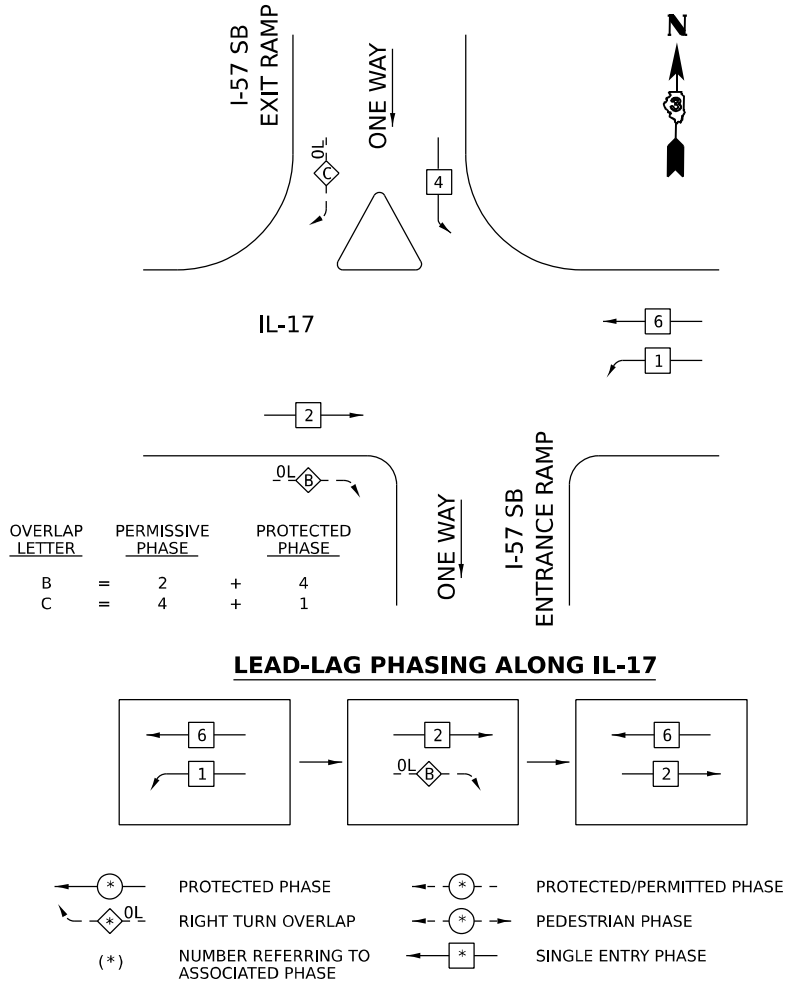
TEMPORARY TRAFFIC SIGNAL CABLE PLAN
IL-17 AT I-57 SB RAMPS (STAGE 5B)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	591
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

TEMPORARY CONTROLLER SEQUENCE

STAGE 6



TEMPORARY CABLE DIAGRAM
STAGE 6

MODEL: 2D SHEET 11
FILE NAME: C:\PWA\WORK\EX-214\BENTLEY.COM\EX-214\DWG\214-0160999\0368663-SHT-TTS-CBL-IL-17-408.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL
DESIGNED	- AAF
DRAWN	- AAF
CHECKED	- JA
DATE	- 04/22/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

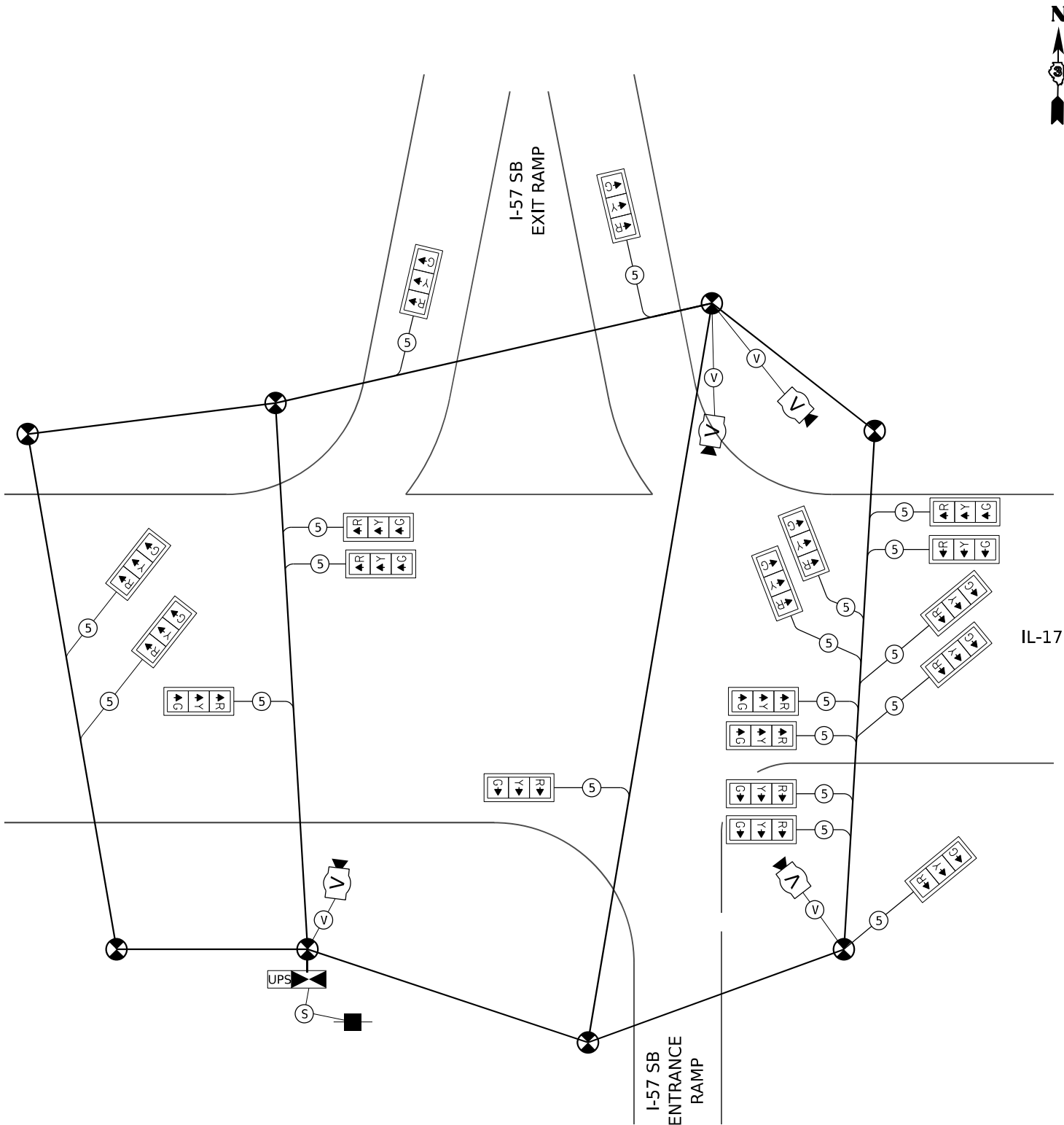
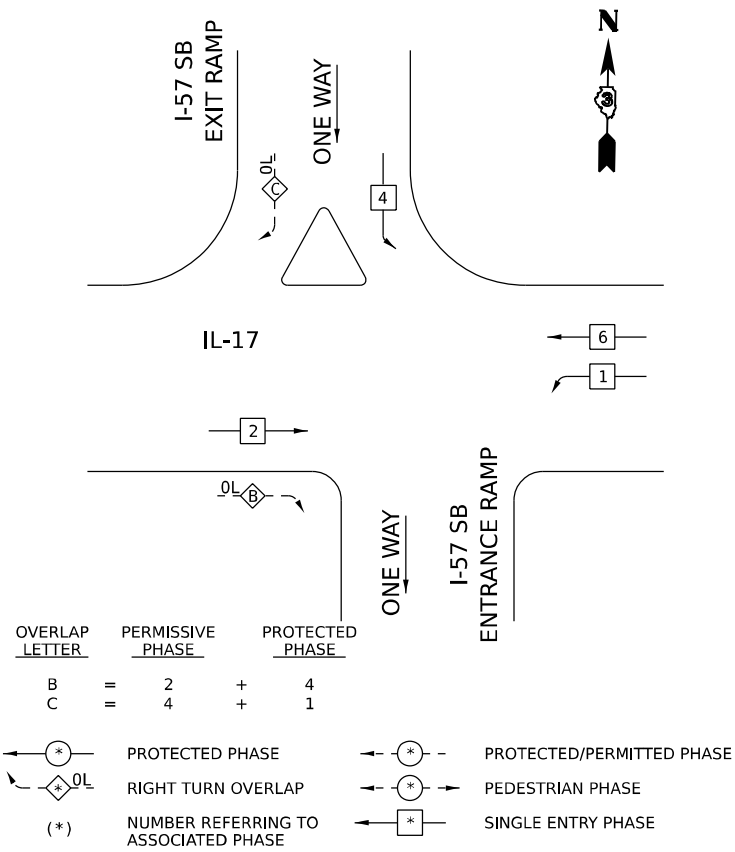
TEMPORARY TRAFFIC SIGNAL CABLE PLAN
IL-17 AT I-57 SB RAMPS (STAGE 6)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	592
CONTRACT NO. 66863				

ILLINOIS FED. AID PROJECT

TEMPORARY CONTROLLER SEQUENCE
STAGE 7



TEMPORARY CABLE DIAGRAM
STAGE 7

MODEL: 2D SHEET 11
FILE NAME: C:\PWP\WORK\EX-24\W.BENTLEY.COM\E\7494W\01.D0160999\0366863-SHT-TTS-CBIL\NUL17409.DGN



QUIGG ENGINEERING INC

USER NAME	= SALASL
DESIGNED	- AAF
DRAWN	- AAF
CHECKED	- JA
DATE	- 04/22/2026

REVISD	-
REVISD	-
REVISD	-
REVISD	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

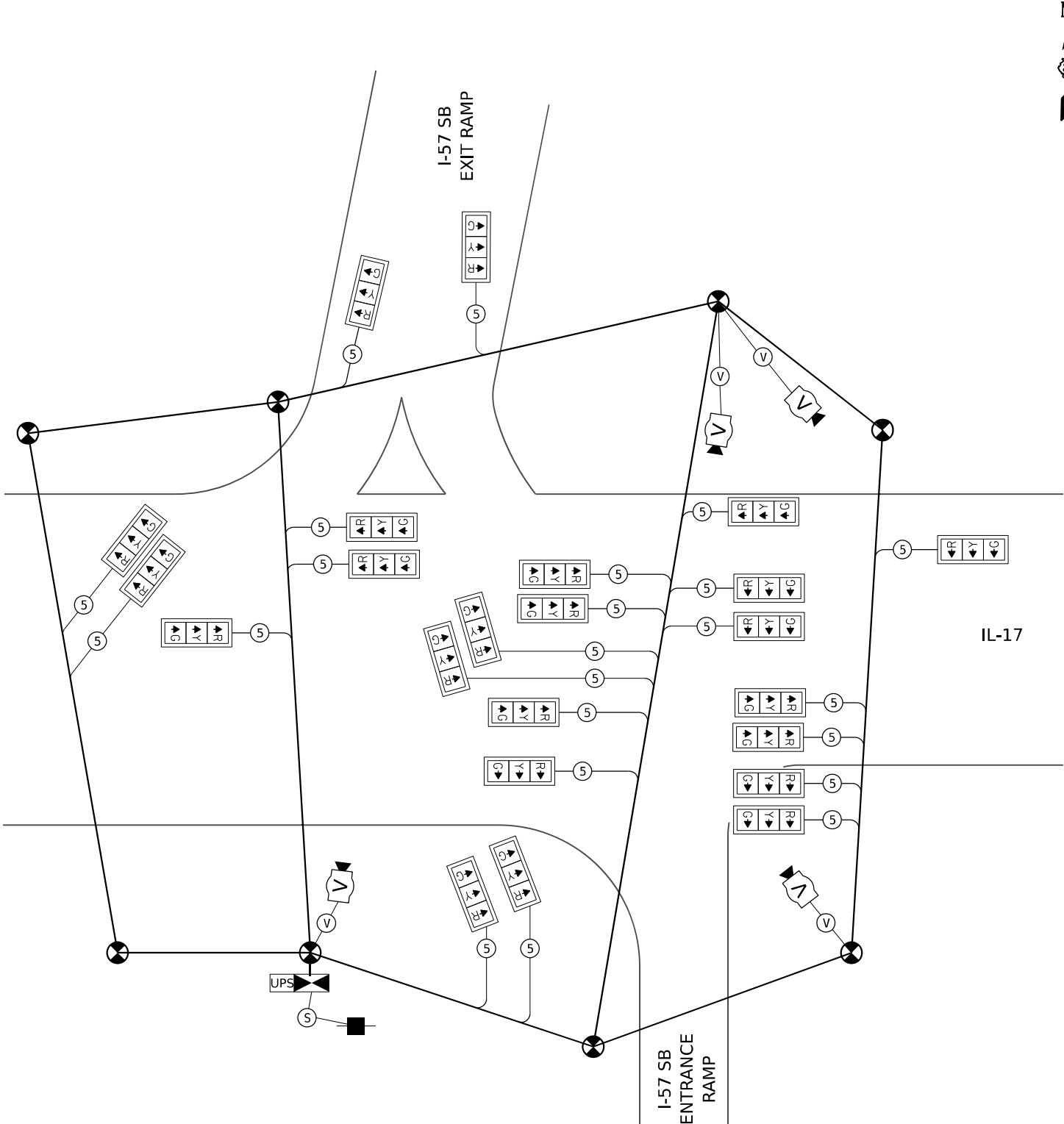
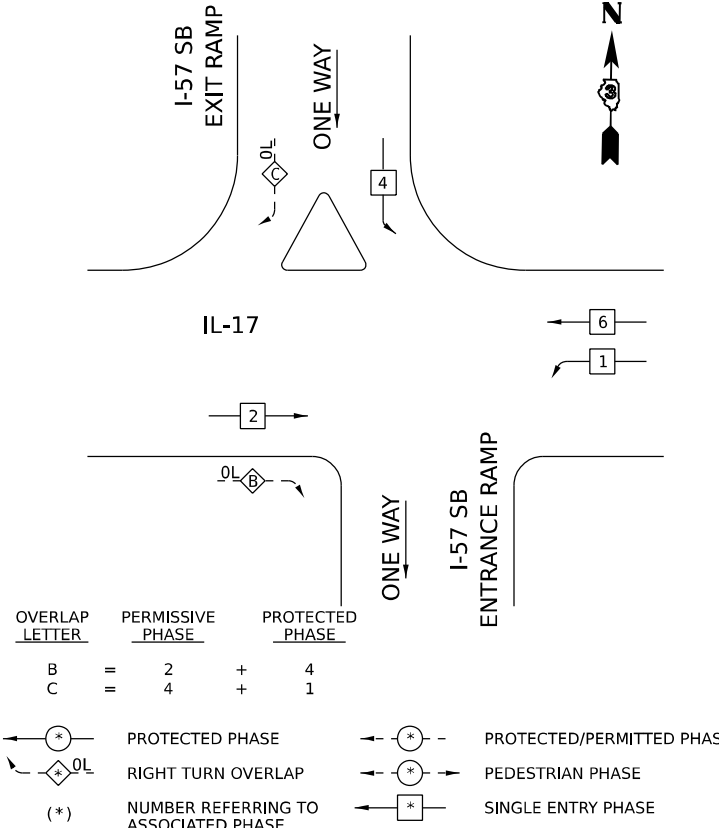
TEMPORARY TRAFFIC SIGNAL CABLE PLAN
IL-17 AT I-57 SB RAMPS (STAGE 7)

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	593
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				

TEMPORARY CONTROLLER SEQUENCE

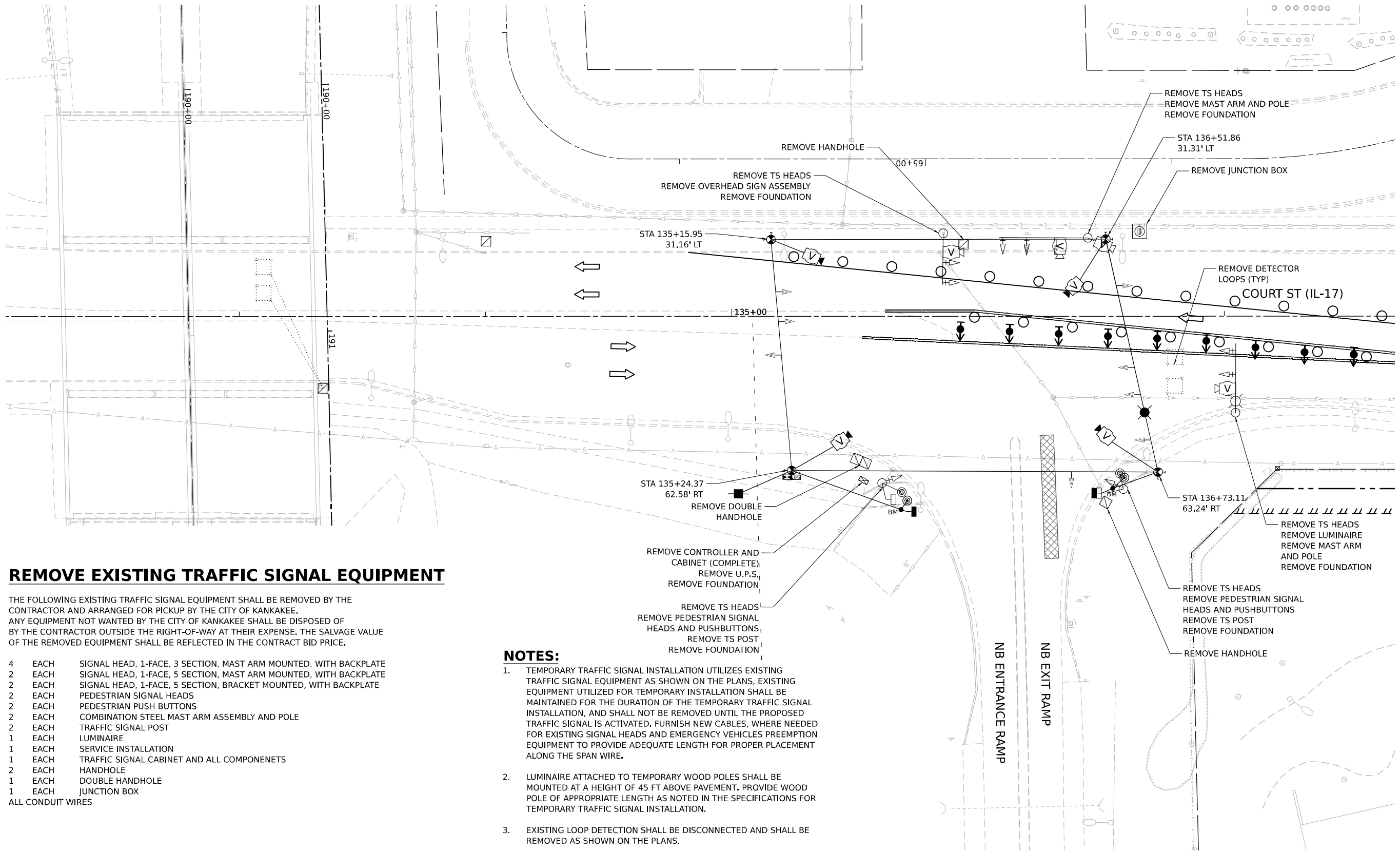
STAGE 8



TEMPORARY CABLE DIAGRAM

STAGE 8

THE PROPOSED TRAFFIC SIGNALS SHALL BE CONSTRUCTED AND PUT IN OPERATION PRIOR TO STARTING ANY CONSTRUCTION WORK IN STAGE 9 AT THE SUII. THE PROPOSED TRAFFIC SIGNAL CONTROLLER FOR STAGE 9 SHALL BE TIMED SEQUENCE OF OPERATIONS AT THE SUII FOR ALL LEGS UNTIL COMPLETION.



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

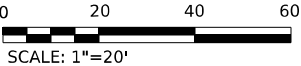
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND ARRANGED FOR PICKUP BY THE CITY OF KANKAKEE. ANY EQUIPMENT NOT WANTED BY THE CITY OF KANKAKEE SHALL BE DISPOSED OF BY THE CONTRACTOR OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 4 EACH SIGNAL HEAD, 1-FACE, 3 SECTION, MAST ARM MOUNTED, WITH BACKPLATE
- 2 EACH SIGNAL HEAD, 1-FACE, 5 SECTION, MAST ARM MOUNTED, WITH BACKPLATE
- 2 EACH SIGNAL HEAD, 1-FACE, 5 SECTION, BRACKET MOUNTED, WITH BACKPLATE
- 2 EACH PEDESTRIAN SIGNAL HEADS
- 2 EACH PEDESTRIAN PUSH BUTTONS
- 2 EACH COMBINATION STEEL MAST ARM ASSEMBLY AND POLE
- 2 EACH TRAFFIC SIGNAL POST
- 1 EACH LUMINAIRE
- 1 EACH SERVICE INSTALLATION
- 1 EACH TRAFFIC SIGNAL CABINET AND ALL COMPONENTS
- 2 EACH HANDHOLE
- 1 EACH DOUBLE HANDHOLE
- 1 EACH JUNCTION BOX
- ALL CONDUIT WIRES

NOTES:

- 1. TEMPORARY TRAFFIC SIGNAL INSTALLATION UTILIZES EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS. EXISTING EQUIPMENT UTILIZED FOR TEMPORARY INSTALLATION SHALL BE MAINTAINED FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL IS ACTIVATED. FURNISH NEW CABLES, WHERE NEEDED FOR EXISTING SIGNAL HEADS AND EMERGENCY VEHICLES PREEMPTION EQUIPMENT TO PROVIDE ADEQUATE LENGTH FOR PROPER PLACEMENT ALONG THE SPAN WIRE.
- 2. LUMINAIRE ATTACHED TO TEMPORARY WOOD POLES SHALL BE MOUNTED AT A HEIGHT OF 45 FT ABOVE PAVEMENT. PROVIDE WOOD POLE OF APPROPRIATE LENGTH AS NOTED IN THE SPECIFICATIONS FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- 3. EXISTING LOOP DETECTION SHALL BE DISCONNECTED AND SHALL BE REMOVED AS SHOWN ON THE PLANS.

TEMPORARY TRAFFIC PRESTAGE 3A
IL 17 AT NB ENTRANCE/EXIT RAMP



MODEL: ITS_IL17_IL17 PLAN PRELIMINARY STAGE 1
FILE NAME: C:\P\WORK\KANKAKEE\TEMP\IL17\ITS_IL17_15A.DGN



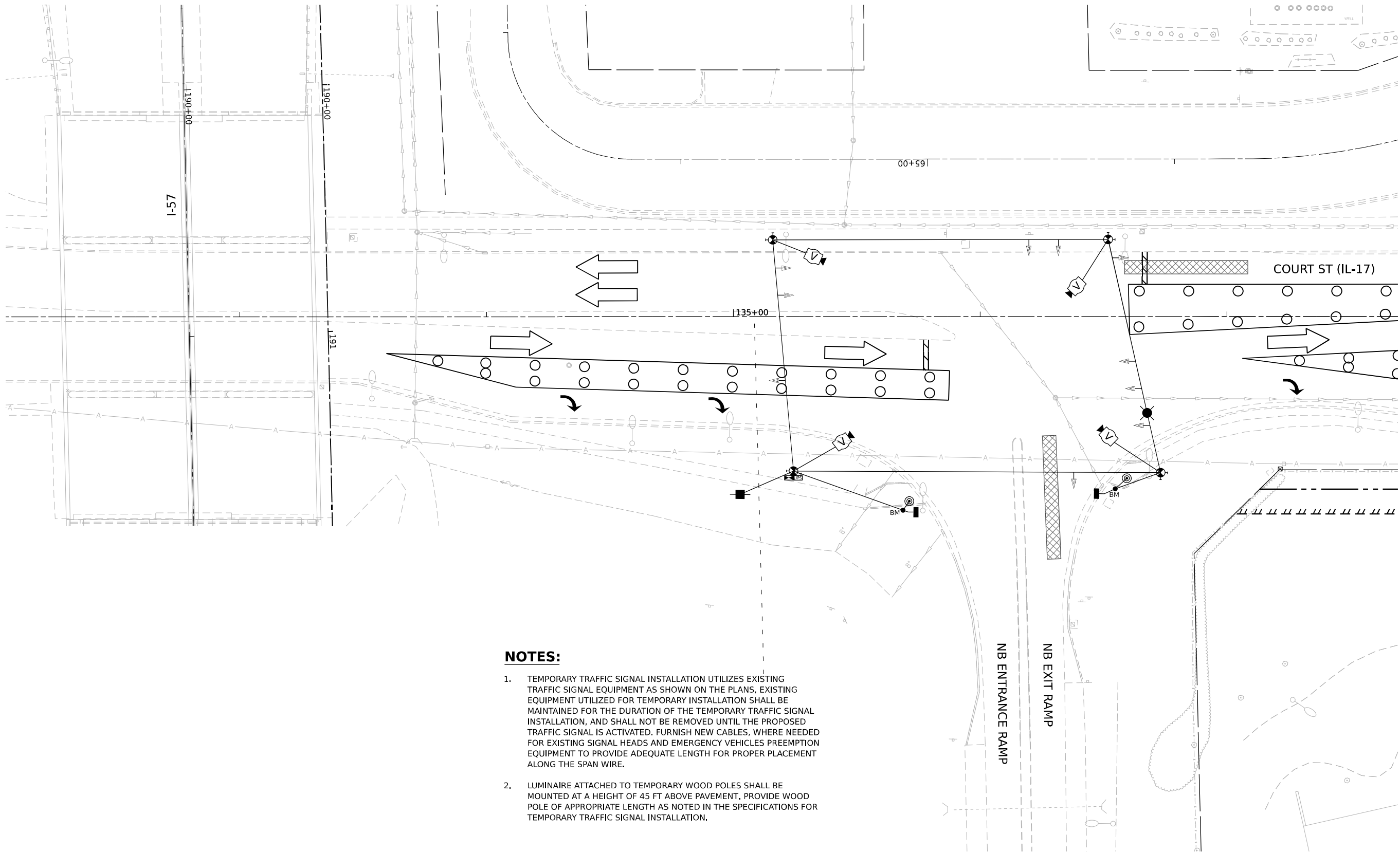
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	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-17 AT NB RAMPS TEMPORARY TRAFFIC SIGNAL INSTALLATION &
EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN (PRESTAGE 3A)

SCALE: 1"=20' SHEET . OF SHEETS STA. TO STA.

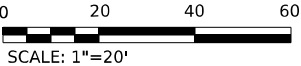
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	595
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



NOTES:

- TEMPORARY TRAFFIC SIGNAL INSTALLATION UTILIZES EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS, EXISTING EQUIPMENT UTILIZED FOR TEMPORARY INSTALLATION SHALL BE MAINTAINED FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL IS ACTIVATED. FURNISH NEW CABLES, WHERE NEEDED FOR EXISTING SIGNAL HEADS AND EMERGENCY VEHICLES PREEMPTION EQUIPMENT TO PROVIDE ADEQUATE LENGTH FOR PROPER PLACEMENT ALONG THE SPAN WIRE.
- LUMINAIRE ATTACHED TO TEMPORARY WOOD POLES SHALL BE MOUNTED AT A HEIGHT OF 45 FT ABOVE PAVEMENT, PROVIDE WOOD POLE OF APPROPRIATE LENGTH AS NOTED IN THE SPECIFICATIONS FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

**TEMPORARY TRAFFIC PRESTAGE 3B
IL 17 AT NB ENTRANCE/EXIT RAMP**



MODEL: ITS IL17_IL17 PLAN PRELIMINARY STAGE 1
FILE NAME: C:\P\WORK\EX-24\W\SENT\EX-24\IL17-153.DGN

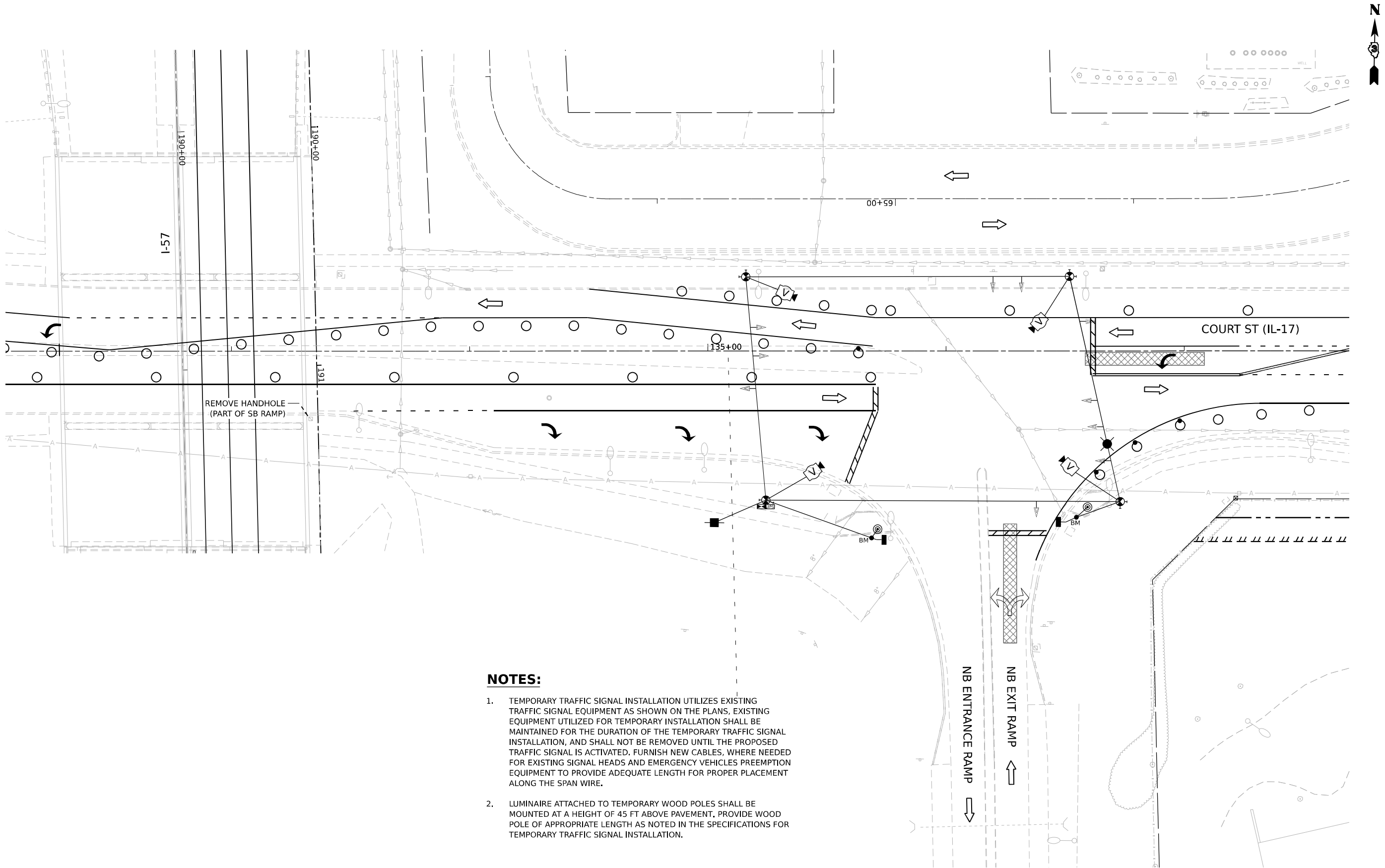


USER NAME = SALASL	DESIGNED - AAF	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION IL-17 AT I-57 NB RAMPS (PRESTAGE 3B)			
SCALE: 1"=20'	SHEET .	OF SHEETS	STA. TO STA.

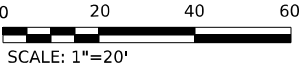
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	596
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



NOTES:

1. TEMPORARY TRAFFIC SIGNAL INSTALLATION UTILIZES EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS, EXISTING EQUIPMENT UTILIZED FOR TEMPORARY INSTALLATION SHALL BE MAINTAINED FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL IS ACTIVATED. FURNISH NEW CABLES, WHERE NEEDED FOR EXISTING SIGNAL HEADS AND EMERGENCY VEHICLES PREEMPTION EQUIPMENT TO PROVIDE ADEQUATE LENGTH FOR PROPER PLACEMENT ALONG THE SPAN WIRE.
2. LUMINAIRE ATTACHED TO TEMPORARY WOOD POLES SHALL BE MOUNTED AT A HEIGHT OF 45 FT ABOVE PAVEMENT, PROVIDE WOOD POLE OF APPROPRIATE LENGTH AS NOTED IN THE SPECIFICATIONS FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

**TEMPORARY TRAFFIC SIGNAL STAGE 1A, 1B
IL 17 AT NB ENTRANCE/EXIT RAMP**



MODEL: ITS_IL17_IL17 PLACEMENT_STAGE1
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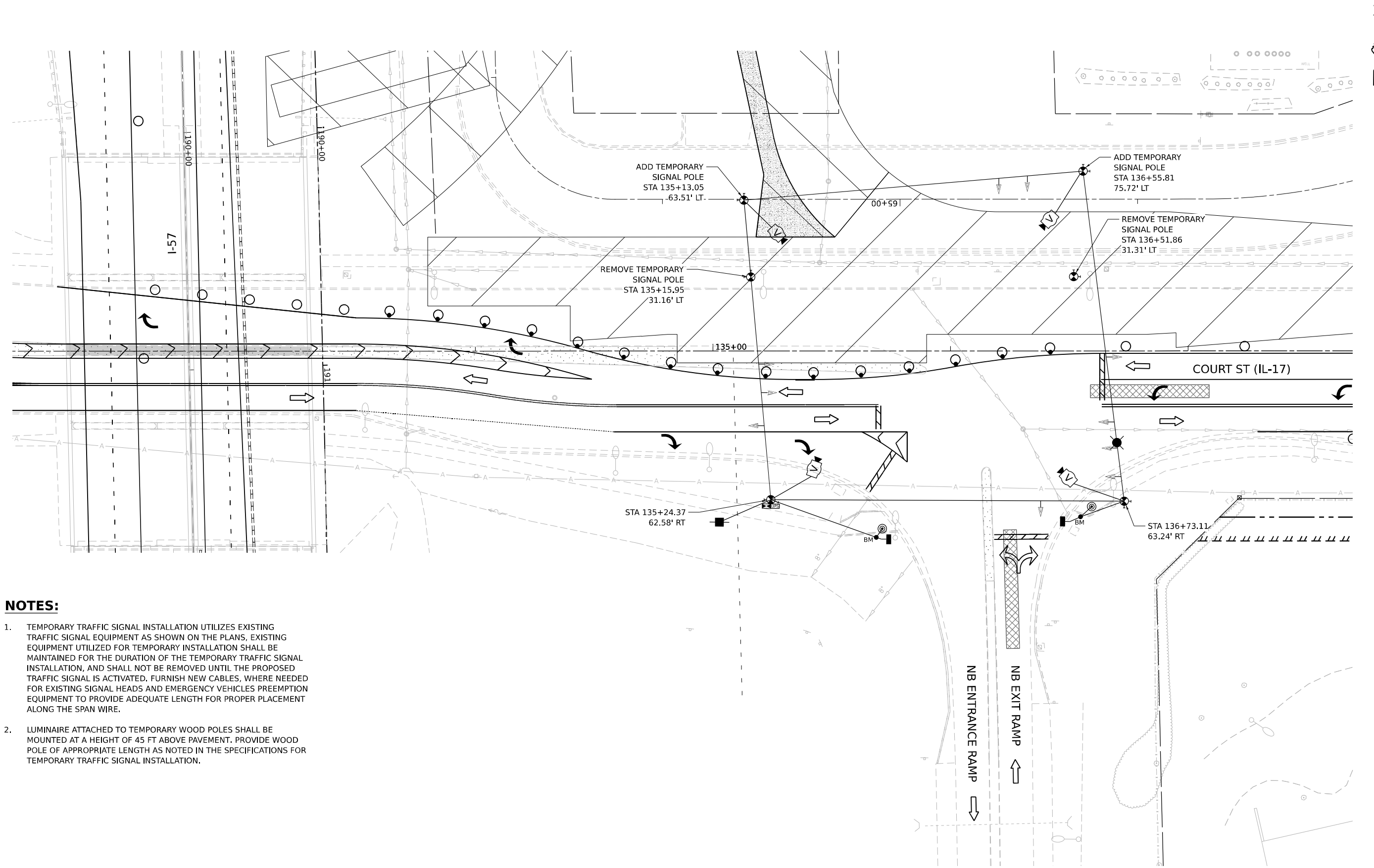


USER NAME = SALASL	DESIGNED - AAF	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION IL-17 AT I-57 NB RAMPS (STAGE 1A, 1B)			
SCALE: 1"=20'	SHEET .	OF SHEETS	STA. TO STA.

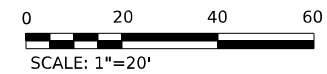
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	597
				CONTRACT NO. 66863
ILLINOIS FED. AID PROJECT				



NOTES:

- TEMPORARY TRAFFIC SIGNAL INSTALLATION UTILIZES EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS, EXISTING EQUIPMENT UTILIZED FOR TEMPORARY INSTALLATION SHALL BE MAINTAINED FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL IS ACTIVATED, FURNISH NEW CABLES, WHERE NEEDED FOR EXISTING SIGNAL HEADS AND EMERGENCY VEHICLES PREEMPTION EQUIPMENT TO PROVIDE ADEQUATE LENGTH FOR PROPER PLACEMENT ALONG THE SPAN WIRE.
- LUMINAIRE ATTACHED TO TEMPORARY WOOD POLES SHALL BE MOUNTED AT A HEIGHT OF 45 FT ABOVE PAVEMENT. PROVIDE WOOD POLE OF APPROPRIATE LENGTH AS NOTED IN THE SPECIFICATIONS FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

**TEMPORARY TRAFFIC STAGE 2
IL 17 AT NB ENTRANCE/EXIT RAMP**



MODEL: ITS IL17_IL17 PLAN/STAGE 1
FILE NAME: C:\PW\WORK\KANKAKEE\SENTINEL\CON E\94PW\01\00160999\036863-SHT-ITS-IL-IL17-1.DGN

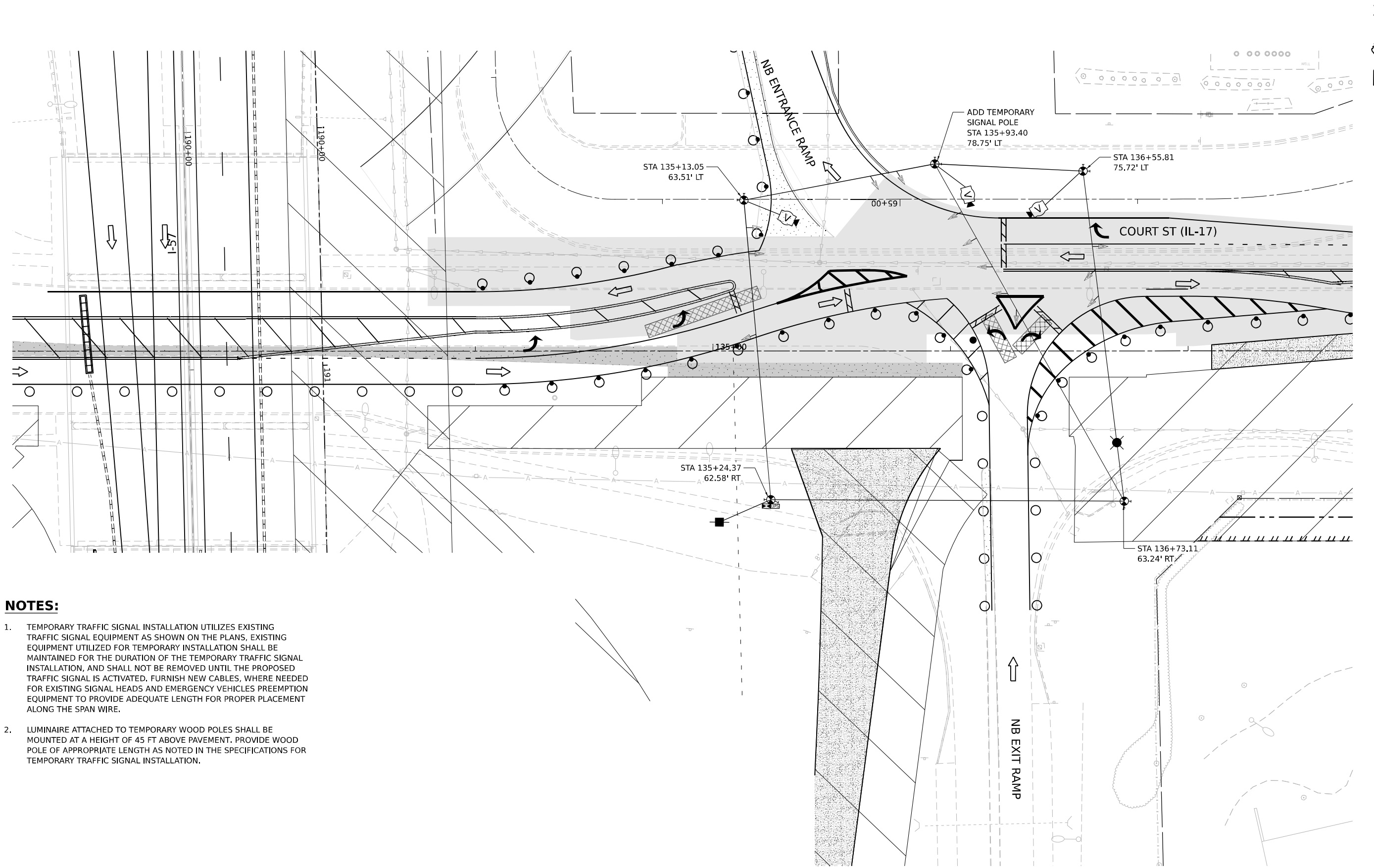


USER NAME = SALASL	DESIGNED - AAF	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION IL-17 AT I-57 NB RAMPS (STAGE 2)			
SCALE: 1"=20'	SHEET .	OF SHEETS	STA. TO STA.

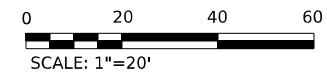
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	598
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



NOTES:

1. TEMPORARY TRAFFIC SIGNAL INSTALLATION UTILIZES EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS, EXISTING EQUIPMENT UTILIZED FOR TEMPORARY INSTALLATION SHALL BE MAINTAINED FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL IS ACTIVATED, FURNISH NEW CABLES, WHERE NEEDED FOR EXISTING SIGNAL HEADS AND EMERGENCY VEHICLES PREEMPTION EQUIPMENT TO PROVIDE ADEQUATE LENGTH FOR PROPER PLACEMENT ALONG THE SPAN WIRE.
2. LUMINAIRE ATTACHED TO TEMPORARY WOOD POLES SHALL BE MOUNTED AT A HEIGHT OF 45 FT ABOVE PAVEMENT. PROVIDE WOOD POLE OF APPROPRIATE LENGTH AS NOTED IN THE SPECIFICATIONS FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

**TEMPORARY TRAFFIC STAGE 3
IL 17 AT NB ENTRANCE/EXIT RAMP**



MODEL: ITS IL17_IL17 PLAN/STAGE 1
FILE NAME: C:\PW\WORK\KANKAKEE\TEMP\IL17_IL17.DGN

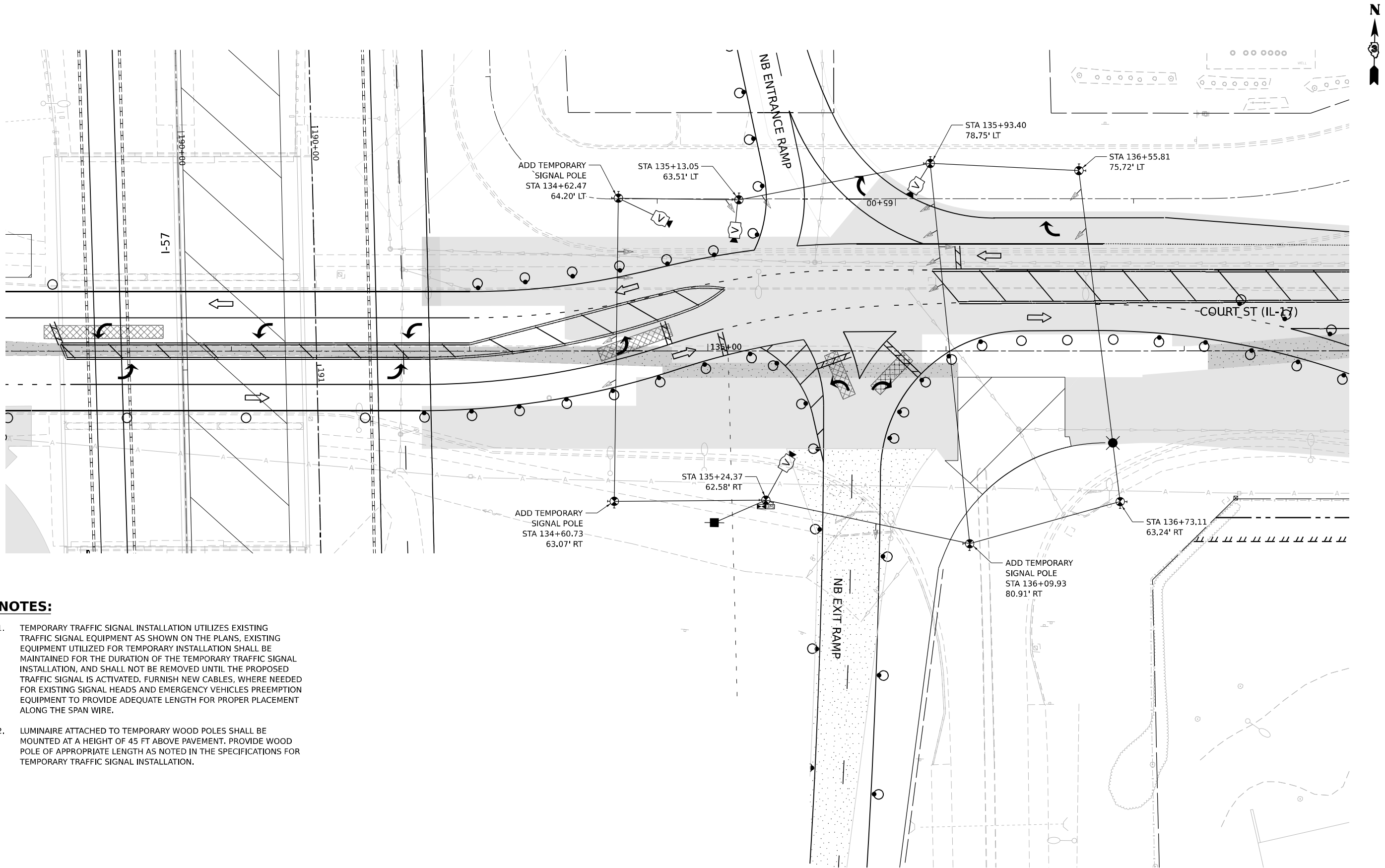


USER NAME = SALASL	DESIGNED - AAF	REVISED -
	DRAWN - AAF	REVISED -
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION IL-17 AT I-57 NB RAMPS (STAGE 3)			
SCALE: 1"=20'	SHEET .	OF SHEETS	STA. TO STA.

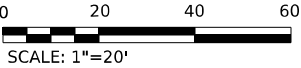
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	599
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				



NOTES:

- TEMPORARY TRAFFIC SIGNAL INSTALLATION UTILIZES EXISTING TRAFFIC SIGNAL EQUIPMENT AS SHOWN ON THE PLANS, EXISTING EQUIPMENT UTILIZED FOR TEMPORARY INSTALLATION SHALL BE MAINTAINED FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION, AND SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL IS ACTIVATED, FURNISH NEW CABLES, WHERE NEEDED FOR EXISTING SIGNAL HEADS AND EMERGENCY VEHICLES PREEMPTION EQUIPMENT TO PROVIDE ADEQUATE LENGTH FOR PROPER PLACEMENT ALONG THE SPAN WIRE.
- LUMINAIRE ATTACHED TO TEMPORARY WOOD POLES SHALL BE MOUNTED AT A HEIGHT OF 45 FT ABOVE PAVEMENT. PROVIDE WOOD POLE OF APPROPRIATE LENGTH AS NOTED IN THE SPECIFICATIONS FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

**TEMPORARY TRAFFIC STAGE 4, 5A
IL 17 AT NB ENTRANCE/EXIT RAMP**



MODEL: ITS_IL17_IL17 PLAN/STAGE 1
FILE NAME: C:\P\WORK\6663\TEMP\LET\CON_E\4-PW\01.D0160999\036663-SHT-TTS-PLAN-IL17-18.DGN



USER NAME = SALASL	DESIGNED - AAF	REVISED -
DRAWN - AAF	REVISED -	
PLOT SCALE = 0.16666633 1/ IN.	CHECKED - JA	REVISED -
PLOT DATE = 4/23/2026	DATE - 04/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION IL-17 AT I-57 NB RAMPS (STAGE 4, 5A)			
SCALE: 1"=20'	SHEET .	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(46-3)R.HBK-1&[(46-3)HB-5]HB-1	KANKAKEE	1183	600
CONTRACT NO. 66863				
ILLINOIS FED. AID PROJECT				