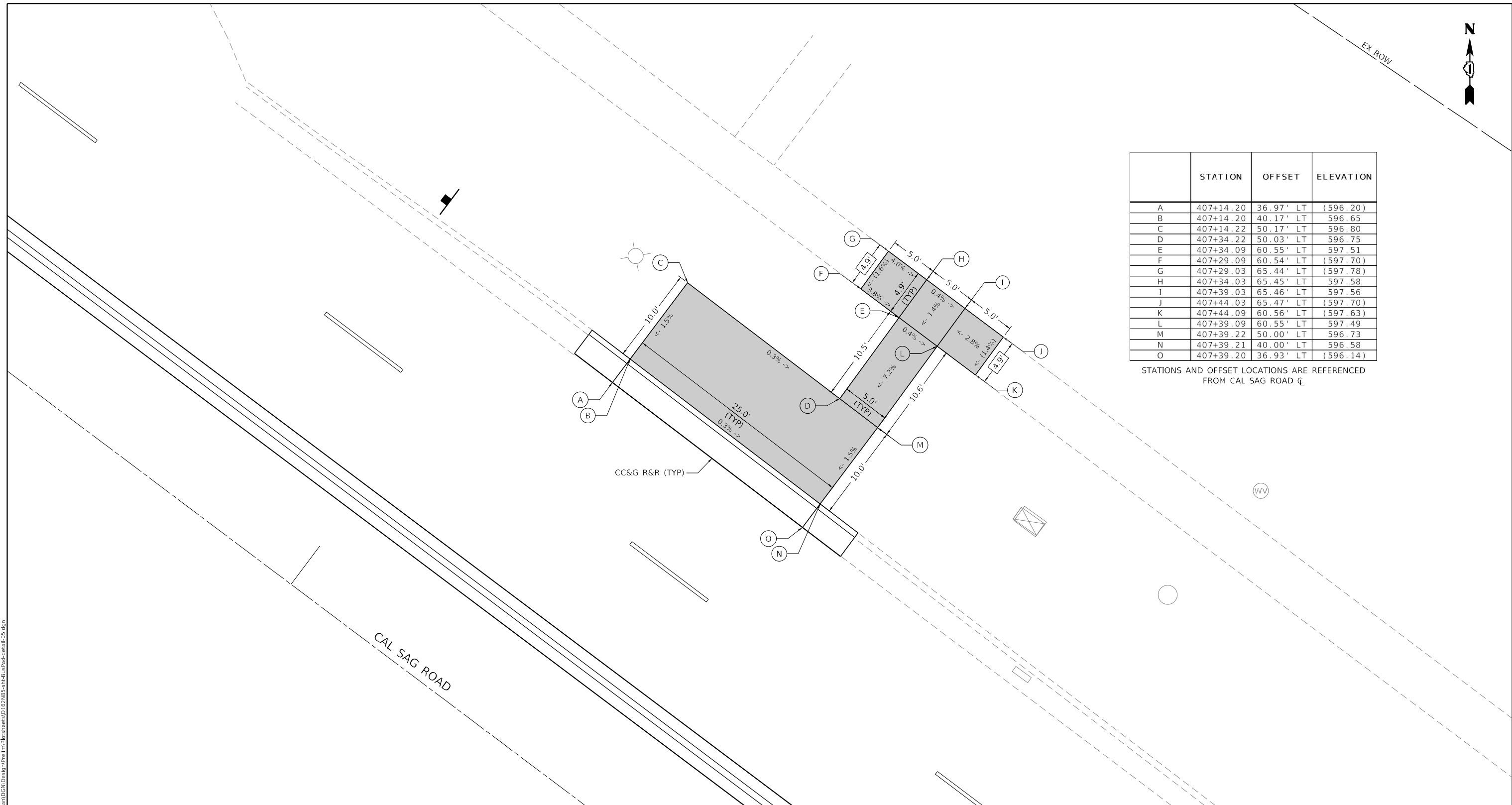




EX ROW

	STATION	OFFSET	ELEVATION
A	407+14.20	36.97' LT	(596.20)
B	407+14.20	40.17' LT	596.65
C	407+14.22	50.17' LT	596.80
D	407+34.22	50.03' LT	596.75
E	407+34.09	60.55' LT	597.51
F	407+29.09	60.54' LT	(597.70)
G	407+29.03	65.44' LT	(597.78)
H	407+34.03	65.45' LT	597.58
I	407+39.03	65.46' LT	597.56
J	407+44.03	65.47' LT	(597.70)
K	407+44.09	60.56' LT	(597.63)
L	407+39.09	60.55' LT	597.49
M	407+39.22	50.00' LT	596.73
N	407+39.21	40.00' LT	596.58
O	407+39.20	36.93' LT	(596.14)

STATIONS AND OFFSET LOCATIONS ARE REFERENCED FROM CAL SAG ROAD CL



LEGEND

XX.XX'	EXISTING LENGTH
()	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK

MODEL: Default
 FILE NAME: 20220325_03 IDOT D1 PFB 199-012_WO 3 IL 50 at MidlothianDCN(Design)Prelim(Rocsheet)ID122N85-sh-BusPsd-eceb1f05.dgn



USER NAME = sklerpiec	DESIGNED - SK	REVISED -
PLOT SCALE = 10,0000 * / in.	DRAWN - SK	REVISED -
PLOT DATE = 11/21/2022	CHECKED - RG	REVISED -
	DATE - 8/5/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PACE BUS STOP DETAIL
IL. RTE. 50 (CICERO AVE.) AT CAL SAG ROAD - NW CORNER**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	101
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

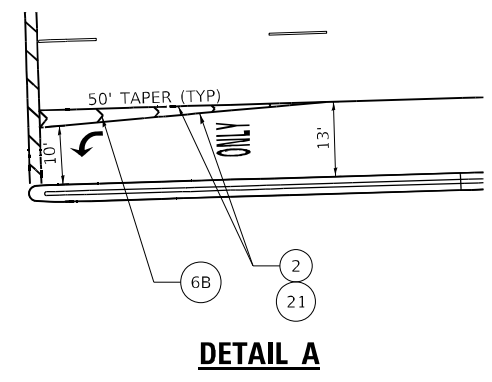
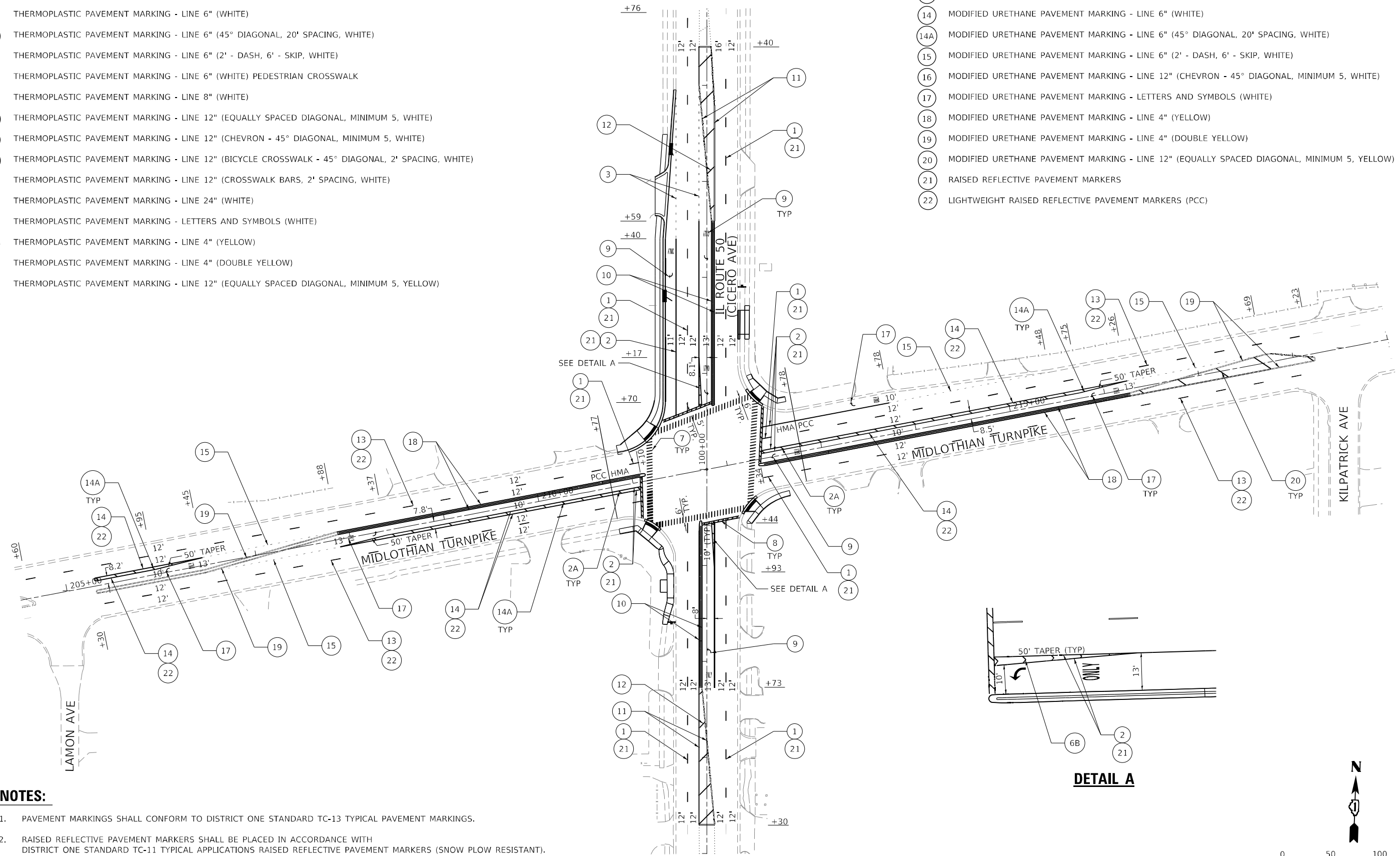
SCALE: SHEET OF SHEETS STA. TO STA.

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- ②A THERMOPLASTIC PAVEMENT MARKING - LINE 6" (45° DIAGONAL, 20' SPACING, WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- ⑥A THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, WHITE)
- ⑥B THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CHEVRON - 45° DIAGONAL, MINIMUM 5, WHITE)
- ⑥C THERMOPLASTIC PAVEMENT MARKING - LINE 12" (BICYCLE CROSSWALK - 45° DIAGONAL, 2' SPACING, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW)

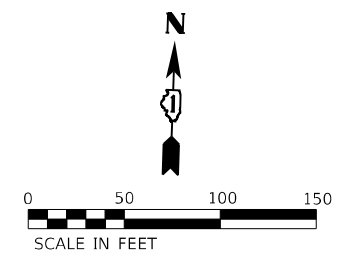
PAVEMENT MARKING LEGEND (CONT)

- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (WHITE)
- ⑭A MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (45° DIAGONAL, 20' SPACING, WHITE)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (CHEVRON - 45° DIAGONAL, MINIMUM 5, WHITE)
- ⑰ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑱ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW)
- ⑲ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑳ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW)
- ㉑ RAISED REFLECTIVE PAVEMENT MARKERS
- ㉒ LIGHTWEIGHT RAISED REFLECTIVE PAVEMENT MARKERS (PCC)



NOTES:

1. PAVEMENT MARKINGS SHALL CONFORM TO DISTRICT ONE STANDARD TC-13 TYPICAL PAVEMENT MARKINGS.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE STANDARD TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT).
3. LIGHTWEIGHT RAISED REFLECTIVE PAVEMENT MARKERS ALONG MIDLOTHIAN TURNPIKE SHALL BE LOCATED IN THE CENTER OF EACH 30' GAP OF A 30'/10' SKIP/DASH LANE LINE. DO NOT UTILIZE TYPICAL DUAL MARKER LAYOUT FOR LANE LINE MARKERS IN DISTRICT STANDARD TC-11.



MODEL: D:\efk\moe\civil\62n85\62n85.dwg
 FILE NAME: 20220310135_03.DDOT D1.PFB 199-012_WO 3_IL_50_at_Midlothian-Turnpike\Project\62n85.dwg

EFK Moen
Civil Engineering Design

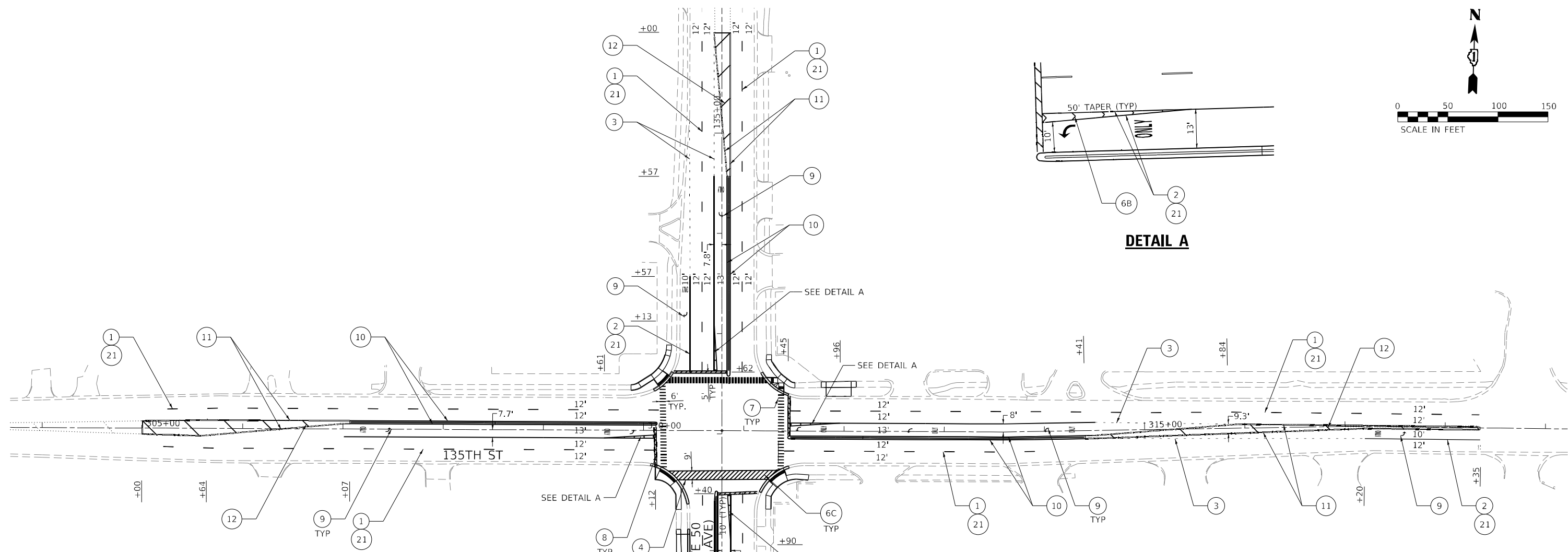
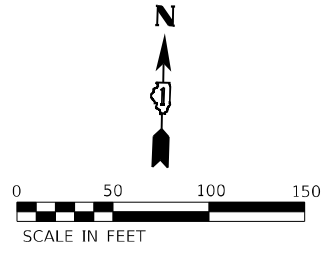
USER NAME = sklerpiec	DESIGNED - RG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - SH	REVISED -
PLOT DATE = 11/21/2022	CHECKED - JH	REVISED -
	DATE - 8/5/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 50 (CICERO AVE) AT MIDLOTHIAN TURNPIKE
PAVEMENT MARKING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	102
CONTRACT NO. 62N85			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- ②A THERMOPLASTIC PAVEMENT MARKING - LINE 6" (45° DIAGONAL, 20' SPACING, WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- ⑥A THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, WHITE)
- ⑥B THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CHEVRON - 45° DIAGONAL, MINIMUM 5, WHITE)
- ⑥C THERMOPLASTIC PAVEMENT MARKING - LINE 12" (BICYCLE CROSSWALK - 45° DIAGONAL, 2' SPACING, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW)

PAVEMENT MARKING LEGEND (CONT)

- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (WHITE)
- ⑭A MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (45° DIAGONAL, 20' SPACING, WHITE)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (CHEVRON - 45° DIAGONAL, MINIMUM 5, WHITE)
- ⑰ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑱ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW)
- ⑲ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑳ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW)
- ㉑ RAISED REFLECTIVE PAVEMENT MARKERS
- ㉒ LIGHTWEIGHT RAISED REFLECTIVE PAVEMENT MARKERS (PCC)

NOTES:

1. PAVEMENT MARKINGS SHALL CONFORM TO DISTRICT ONE STANDARD TC-13 TYPICAL PAVEMENT MARKINGS.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE STANDARD TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT).

MODEL: Default
 FILE NAME: 20210325_03_DD0T_D1_PFB_199-012_WO_3_IL_50_at_Midlandhwy100CenDesignPlanRocSheet1D12N85-sh-pmk-03.dwg

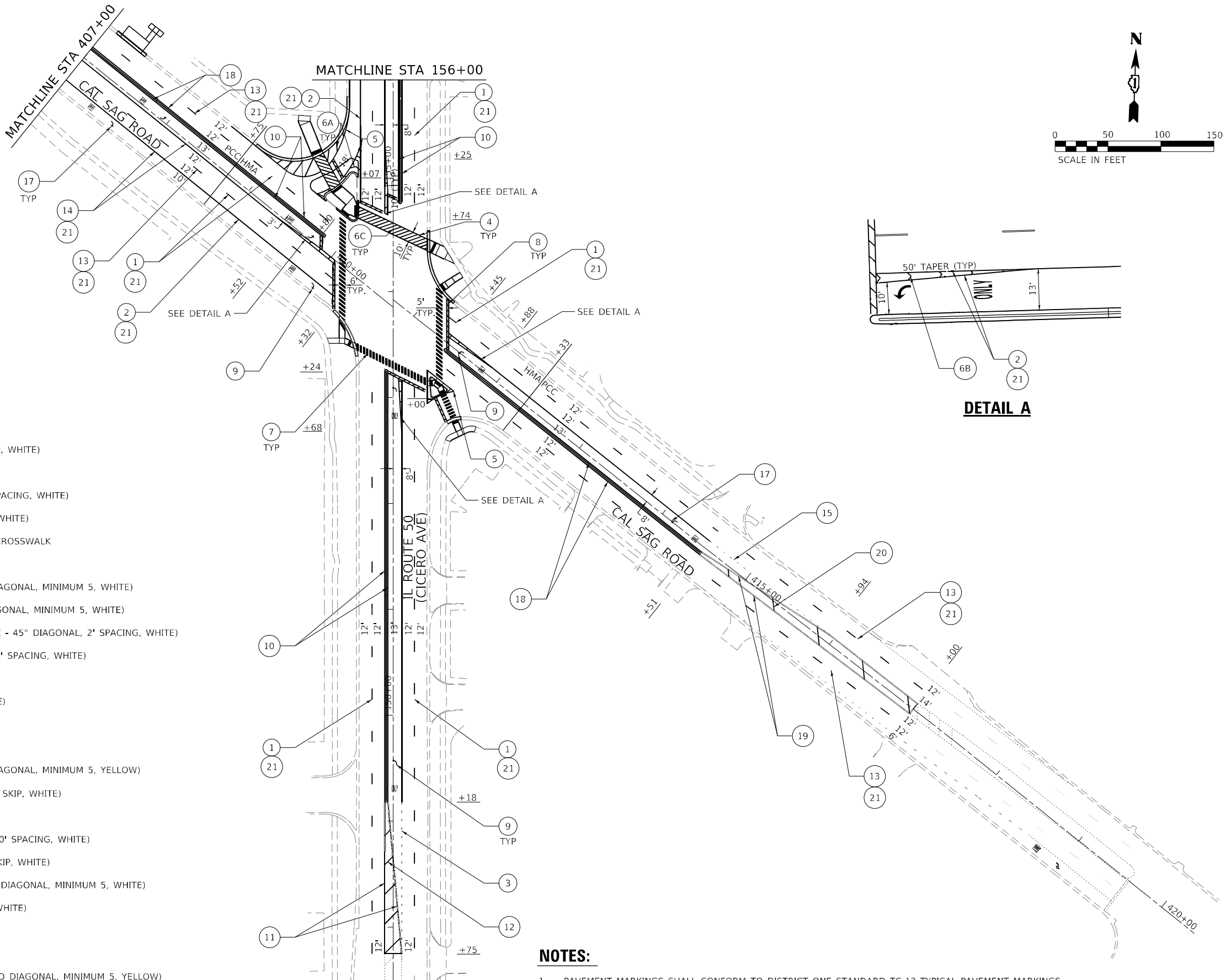
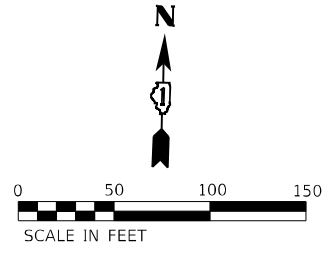


USER NAME = sklerpiec	DESIGNED - RG	REVISED -
	DRAWN - SH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 11/21/2022	DATE - 8/5/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 50 (CICERO AVE) AT 135TH STREET PAVEMENT MARKING PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	103
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				



DETAIL A

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- ②A THERMOPLASTIC PAVEMENT MARKING - LINE 6" (45° DIAGONAL, 20' SPACING, WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- ⑥A THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, WHITE)
- ⑥B THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CHEVRON - 45° DIAGONAL, MINIMUM 5, WHITE)
- ⑥C THERMOPLASTIC PAVEMENT MARKING - LINE 12" (BICYCLE CROSSWALK - 45° DIAGONAL, 2' SPACING, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (WHITE)
- ⑭A MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (45° DIAGONAL, 20' SPACING, WHITE)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (CHEVRON - 45° DIAGONAL, MINIMUM 5, WHITE)
- ⑰ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑱ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW)
- ⑲ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑳ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW)
- ㉑ RAISED REFLECTIVE PAVEMENT MARKERS
- ㉒ LIGHTWEIGHT RAISED REFLECTIVE PAVEMENT MARKERS (PCC)

NOTES:

1. PAVEMENT MARKINGS SHALL CONFORM TO DISTRICT ONE STANDARD TC-13 TYPICAL PAVEMENT MARKINGS.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE STANDARD TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT).

MODEL: Default
 FILE NAME: 20210325_03 IDOT D1 PFB 199-012_WO 3_IL 50 at Midlothian/DCN/Design/Plan/08/Sheet/ID12/NBS-44-pmk-05.dwg



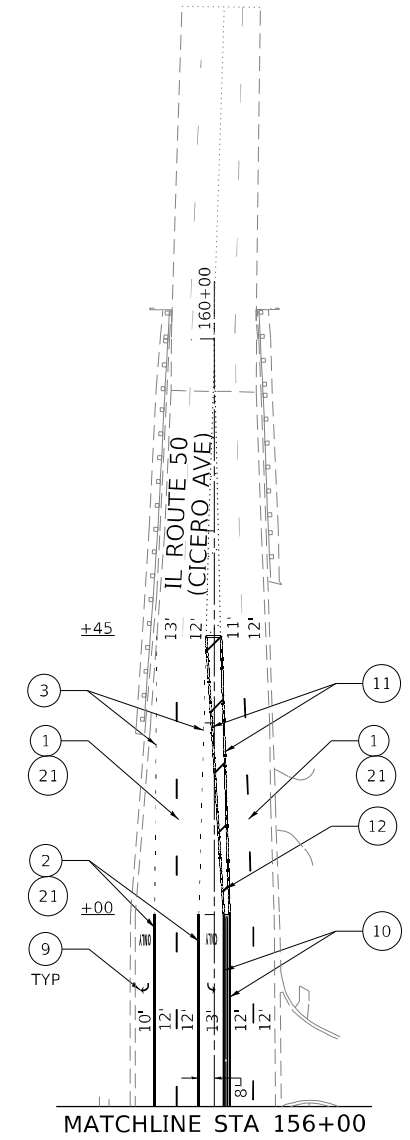
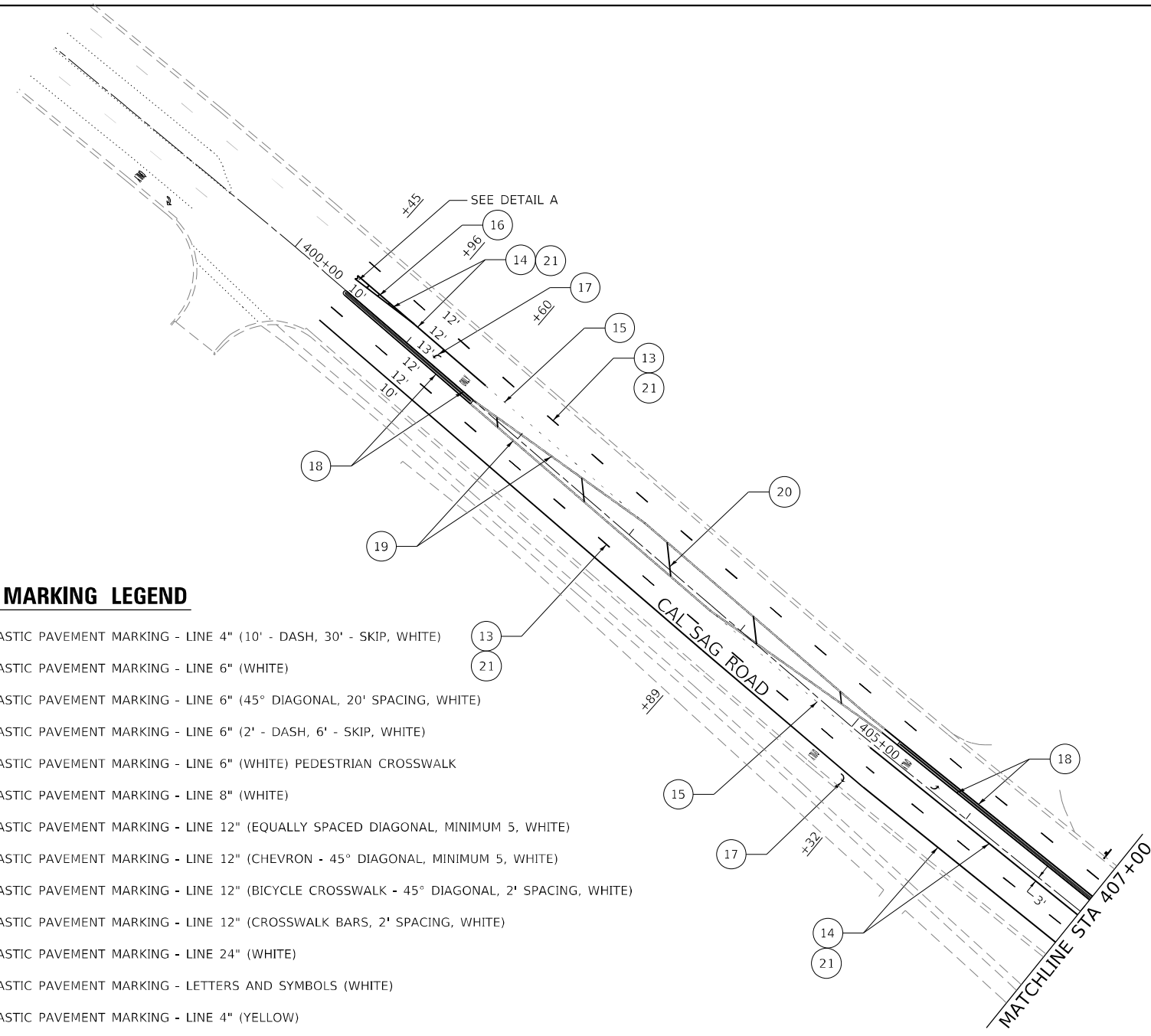
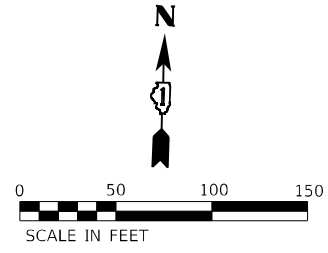
USER NAME = skierpiec	DESIGNED - RG	REVISED -
	DRAWN - SH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 11/21/2022	DATE - 8/5/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 50 (CICERO AVE) AT CAL SAG ROAD
PAVEMENT MARKING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	104
			CONTRACT NO. 62N85	
		ILLINOIS FED. AID PROJECT		



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- ②A THERMOPLASTIC PAVEMENT MARKING - LINE 6" (45° DIAGONAL, 20' SPACING, WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) PEDESTRIAN CROSSWALK
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- ⑥A THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, WHITE)
- ⑥B THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CHEVRON - 45° DIAGONAL, MINIMUM 5, WHITE)
- ⑥C THERMOPLASTIC PAVEMENT MARKING - LINE 12" (BICYCLE CROSSWALK - 45° DIAGONAL, 2' SPACING, WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (CROSSWALK BARS, 2' SPACING, WHITE)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW)
- ⑬ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (WHITE)
- ⑭A MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (45° DIAGONAL, 20' SPACING, WHITE)
- ⑮ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (2' - DASH, 6' - SKIP, WHITE)
- ⑯ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (CHEVRON - 45° DIAGONAL, MINIMUM 5, WHITE)
- ⑰ MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑱ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (YELLOW)
- ⑲ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑳ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (EQUALLY SPACED DIAGONAL, MINIMUM 5, YELLOW)
- ㉑ RAISED REFLECTIVE PAVEMENT MARKERS
- ㉒ LIGHTWEIGHT RAISED REFLECTIVE PAVEMENT MARKERS (PCC)

NOTES:

1. PAVEMENT MARKINGS SHALL CONFORM TO DISTRICT ONE STANDARD TC-13 TYPICAL PAVEMENT MARKINGS.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE STANDARD TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT).

MODEL: D:\efk\...
 FILE NAME: 20210325_03_DD0T_D1_PFB_199-012_WO_3_IL_50_at_Midlandhills\DCN\Design\Plan\BorSheet1\02N85-sh-pmk-06.dgn



USER NAME = sklerpiec	DESIGNED - RG	REVISED -
	DRAWN - SH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 11/21/2022	DATE - 8/5/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 50 (CICERO AVE) AT CAL SAG ROAD PAVEMENT MARKING PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 350	SECTION 2021-054-N&SW	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 105
ILLINOIS FED. AID PROJECT				CONTRACT NO. 62N85

EXISTING SIGNING SCHEDULE

SIGN NUMBER	EXISTING STATION	EXISTING OFFSET	RELOCATE STATION	RELOCATE OFFSET	RELOCATE MOUNTING TYPE	DESIGNATION	DESCRIPTION	PANEL WIDTH	PANEL HEIGHT	PANEL AREA	REMOV SIN PAN ASSY TB	REMOV SIGN PANEL T1	RELOC SIN PAN ASSY TB	RELOC SIGN PANEL T1	TELES STL SIN SUPPORT (FOOT)
								(IN)	(IN)	(SQ FT)	(EA)	(SQ FT)	(EA)	(SQ FT)	P1
IL 50 AT MIDLOTHIAN TURNPIKE															
EX-01	205+12	57' RT				R1-1	STOP	30	30	6.3					
EX-02	205+98	35' RT				D3-1	STREET NAME	78	18	9.8					
EX-03	210+19	54' RT				CUSTOM	NO LEFT TURN	24	18	3.0					
EX-04	209+87	41' LT				R2-1	SPEED LIMIT	30	36	7.5					
EX-05	210+01	45' LT				CUSTOM	NEIGHBORHOOD WATCH	30	36	7.5					
EX-06	215+50	42' LT				CUSTOM	RIGHT TURN LANE	24	30	5.0					
EX-07	216+23	42' LT				D3-1	STREET NAME	78	18	9.8					
EX-08	217+87	41' LT				M2-1	JUNCTION	21	15	2.2					
EX-09	217+87	41' LT				M1-I100	INTERSTATE ROUTE SIGN	24	24	4.0					
EX-10	217+87	41' LT				M1-I100	INTERSTATE ROUTE SIGN	24	24	4.0					
EX-11	218+65	55' RT				D3-1	STREET NAME	46	12	3.8					
EX-12	218+65	55' RT				D3-1	STREET NAME	28	12	2.3					
EX-13	218+63	64' RT				R1-1	STOP	30	30	6.3					
EX-14	218+63	64' RT				CUSTOM	NO PARKING	12	18	1.5					
EX-15	96+40	49' LT				R2-1	SPEED LIMIT	30	36	7.5					
EX-16	98+42	48' LT				M3-3	CARDINAL DIRECTION - SOUTH	24	12	2.0					
EX-17	98+42	48' LT				M1-I100	INTERSTATE ROUTE SIGN	24	24	4.0					
EX-18	98+42	48' LT				M3-3	CARDINAL DIRECTION - SOUTH	24	12	2.0					
EX-19	98+42	48' LT				M1-I100	INTERSTATE ROUTE SIGN	24	24	4.0					
EX-21	103+42	39' RT				M3-1	CARDINAL DIRECTION - NORTH	24	12	2.0					
EX-22	103+42	39' RT				M1-I100	INTERSTATE ROUTE SIGN	24	24	4.0					
EX-23	103+42	39' RT				M3-1	CARDINAL DIRECTION - NORTH	24	12	2.0					
EX-24	103+42	39' RT				M1-I100	INTERSTATE ROUTE SIGN	24	24	4.0					
EX-25	104+84	39' RT				R2-1	SPEED LIMIT	30	36	7.5					
EX-26	105+32	62' RT				R1-1	STOP	30	30	6.3					
REM-01	97+35	38' RT				CUSTOM	RED LIGHT PHOTO ENFORCED	36	36	9.0		9.0			
REM-02	99+44	5' LT				R4-7	KEEP RIGHT	24	30	5.0		5.0			
REM-03	100+59	5' RT				R4-7	KEEP RIGHT	24	30	5.0		5.0			
REM-04	102+22	49' LT				CUSTOM	RED LIGHT PHOTO ENFORCED	36	36	9.0		9.0			
REM-15	98+30	5' LT				R3-5	MANDATORY MOVEMENT LANE CONTROL	30	36	7.5		7.5			
REM-16	102+41	5' RT				R3-5	MANDATORY MOVEMENT LANE CONTROL	30	36	7.5		7.5			
REL-01	99+43	67' LT	99+43	78' LT		R1-1	STOP (FOLDED)	36	36	9.0		9.0		9.0	
REL-02	100+59	41' LT	100+48	58' LT		R1-1	STOP (FOLDED)	36	36	9.0		9.0		9.0	
REL-03	101+02	36' LT	98+41	37' LT		CUSTOM	GROUND	18	24	3.0		3.0		3.0	
REL-04	102+22	49' LT	102+22	49' LT		CUSTOM	LIGHT POLE	30	24	5.0		5.0		5.0	
REL-05	99+48	40' RT	99+56	46' RT		CUSTOM	OZINGA FIELD	30	24	5.0					
REL-06	99+48	40' RT	99+56	46' RT		R1-1	STOP (FOLDED)	36	36	9.0	1		1		
REL-07	100+67	71' RT	100+73	58' RT		M1-I100	INTERSTATE ROUTE SIGN	24	24	4.0					
REL-08	100+67	71' RT	100+73	58' RT		M1-I100	INTERSTATE ROUTE SIGN	24	24	4.0	1		1		
REL-09	100+67	71' RT	100+73	58' RT		R1-1	STOP (FOLDED)	36	36	9.0					
REL-24	101+34	39' RT	101+90	37' RT		CUSTOM	PACE BUS STOP	18	24	3.0		3.0		3.0	15.0
IL 50 AT MIDLOTHIAN TURNPIKE SUBTOTAL											2	72	2	29	15
IL 50 AT 135TH ST															
EX-27	307+26	38' LT				W4-2	LANE ENDS	36	36	9.0					
EX-28	307+40	53' LT				R1-1	STOP	30	30	6.3					
EX-29	308+46	39' LT				R2-1	SPEED LIMIT	30	36	7.5					
EX-30	311+69	39' LT				CUSTOM	PACE BUS STOP	18	24	3.0					
EX-31	314+09	60' LT				R1-1	STOP	30	30	6.3					
EX-32	314+90	37' LT				CUSTOM	PICKUP SIGN	24	18	3.0					
EX-33	313+48	37' RT				W4-2	LANE ENDS	36	36	9.0					
EX-34	313+48	37' RT				CUSTOM	PACE BUS STOP	18	24	3.0					
EX-36	130+69	48' LT				M3-3	CARDINAL DIRECTION - SOUTH	24	12	2.0					
EX-37	130+69	48' LT				M1-I100	INTERSTATE ROUTE SIGN	24	24	4.0					
EX-38	130+69	48' LT				M3-3	CARDINAL DIRECTION - SOUTH	24	12	2.0					
EX-39	130+69	48' LT				M1-I100	INTERSTATE ROUTE SIGN	24	24	4.0					
EX-40	129+76	39' RT				I-8	LIBRARY	24	24	4.0					
EX-41	129+76	39' RT				M6-1	DIRECTIONAL ARROW	21	15	2.2					
EX-42	130+91	46' RT				CUSTOM	PACE BUS STOP	18	24	3.0					
EX-43	132+81	58' LT				I-8	LIBRARY	24	24	4.0					
EX-44	132+81	58' LT				M6-1	DIRECTIONAL ARROW	21	15	2.2					
EX-45	133+88	66' LT				R1-1	STOP	36	36	9.0					
EX-46	133+88	66' LT				R3-5	MANDATORY MOVEMENT LANE CONTROL	30	36	7.5					
EX-47	134+60	49' LT				CUSTOM	RIGHT TURN LANE	24	30	5.0					
EX-48	133+32	38' RT				M3-1	CARDINAL DIRECTION - NORTH	24	12	2.0					
EX-49	133+32	38' RT				M1-I100	INTERSTATE ROUTE SIGN	24	24	4.0					
EX-50	133+32	38' RT				M3-1	CARDINAL DIRECTION - NORTH	24	12	2.0					
EX-51	133+32	38' RT				M1-I100	INTERSTATE ROUTE SIGN	24	24	4.0					
REM-05	310+16	5' LT				R4-7	KEEP RIGHT	24	30	5.0		5.0			
REM-06	311+39	5' RT				R4-7	KEEP RIGHT	24	30	5.0		5.0			
REM-07	312+92	45' LT				CUSTOM	RED LIGHT PHOTO ENFORCED	36	36	9.0		9.0			
REM-08	129+76	39' RT				CUSTOM	RED LIGHT PHOTO ENFORCED	36	36	9.0		9.0			
REM-09	131+45	4' LT				R4-7	KEEP RIGHT	24	30	5.0		5.0			

MODEL Path: \\10.20.203.103\5.03\DOT\01\178\199\012\MO 3 IL 50 at Midlothian\DOT\Design\Printing\Revised\DOT\N85-schedule.dgn



USER NAME = sklerpiec	DESIGNED - RG	REVISED -
	DRAWN - SK	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 11/21/2022	DATE - 8/5/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 50 (CICERO AVENUE)
SCHEDULES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	106
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

EXISTING SIGNING SCHEDULE															
SIGN NUMBER	EXISTING STATION	EXISTING OFFSET	RELOCATE STATION	RELOCATE OFFSET	RELOCATE MOUNTING TYPE	DESIGNATION	DESCRIPTION	PANEL WIDTH	PANEL HEIGHT	PANEL AREA	REMOV SIN PAN ASSY TR	REMOV SIGN PANEL T1	RELOC SIN PAN ASSY TB	RELOC SIGN PANEL T1	TELES STL SIN SUPPORT (FOOT)
								(IN)	(IN)	(SQ FT)	(EA)	(SQ FT)	(EA)	(SQ FT)	P1
IL 50 AT MIDLOTHIAN TURNPIKE															
REM-10	134+60	49' LT				CUSTOM	RED LIGHT PHOTO ENFORCED	36	36	9.0		9.0			
REM-17	308+63	5' LT				R3-5	MANDATORY MOVEMENT LANE CONTROL	30	36	7.5		7.5			
REM-18	134+10	5' RT				R3-5	MANDATORY MOVEMENT LANE CONTROL	30	36	7.5		7.5			
REL-10	310+05	41' RT	310+12	49' RT	TRAFFIC SIGNAL	M1-1100	INTERSTATE ROUTE SIGN	24	24	4.0					
REL-11	310+05	41' RT	310+12	49' RT	TRAFFIC SIGNAL	M1-1100	INTERSTATE ROUTE SIGN	24	24	4.0					
REL-12	310+05	41' RT	310+12	49' RT	TRAFFIC SIGNAL	M6-4	DIRECTIONAL ARROW	21	15	2.2	1		1		
REL-13	310+05	41' RT	310+12	49' RT	TRAFFIC SIGNAL	R1-1	STOP (FOLDED)	36	36	9.0					
REL-14	132+79	48' LT	132+61	56' LT	TRAFFIC SIGNAL	R3-5	MANDATORY MOVEMENT LANE CONTROL	30	36	7.5	1		1		
REL-15	132+79	48' LT	132+61	56' LT	TRAFFIC SIGNAL	R1-1	STOP (FOLDED)	36	36	9.0					
REL-16	311+43	42' LT	311+40	45' LT	TRAFFIC SIGNAL	M1-1100	INTERSTATE ROUTE SIGN	24	24	4.0					
REL-17	311+43	42' LT	311+40	45' LT	TRAFFIC SIGNAL	M1-1100	INTERSTATE ROUTE SIGN	24	24	4.0					
REL-18	311+43	42' LT	311+40	45' LT	TRAFFIC SIGNAL	M6-4	DIRECTIONAL ARROW	21	15	2.2	1		1		
REL-19	311+43	42' LT	311+40	45' LT	TRAFFIC SIGNAL	R1-1	STOP (FOLDED)	36	36	9.0					
REL-25	130+69	48' LT	130+51	36' LT	GROUND	CUSTOM	PACE BUS STOP	18	24	3.0		3.0		3.0	15.0
IL 50 AT 135TH ST SUBTOTAL											3	60	3	3	15
IL 50 AT CAL SAG RD															
EX-53	407+34	42' RT				CUSTOM	PACE BUS STOP	18	24	3.0					
EX-54	155+72	51' LT				R3-5	MANDATORY MOVEMENT LANE CONTROL	30	36	7.5					
EX-55	413+15	53' LT				CUSTOM	NO PARKING FIRE LANE	15	12	1.3					
EX-56	413+80	40' LT				R2-1	SPEED LIMIT	30	36	7.5					
EX-57	414+32	52' LT				R1-1	STOP	30	30	6.3					
EX-58	414+64	51' LT				CUSTOM	DELIVERY ENTRANCE	30	36	7.5					
EX-59	149+03	65' LT				R1-1	STOP	36	36	9.0					
EX-60	149+03	65' LT				R3-2	NO LEFT TURN	36	36	9.0					
EX-61	149+03	65' LT				CUSTOM	RIGHT TURN ONLY	24	30	5.0					
EX-62	149+44	77' LT				R2-1	SPEED LIMIT	30	36	7.5					
EX-63	150+80	38' LT				R2-1	SPEED LIMIT	30	36	7.5					
EX-64	152+13	41' LT				M3-3	CARDINAL DIRECTION - SOUTH	24	12	2.0					
EX-65	152+13	41' LT				M1-1100	INTERSTATE ROUTE SIGN	24	24	4.0					
EX-66	152+13	41' LT				M3-3	CARDINAL DIRECTION - SOUTH	24	12	2.0					
EX-67	152+13	41' LT				M1-1100	INTERSTATE ROUTE SIGN	24	24	4.0					
EX-68	152+13	41' LT				D3-2	ADVANCE STREET NAME	48	24	8.0					
EX-69	150+72	38' RT				M3-1	CARDINAL DIRECTION - NORTH	24	12	2.0					
EX-70	150+72	38' RT				M1-1100	INTERSTATE ROUTE SIGN	24	24	4.0					
EX-71	150+72	38' RT				M1-1100	INTERSTATE ROUTE SIGN	24	24	4.0					
EX-72	150+72	38' RT				M6-3	DIRECTIONAL ARROW	21	15	2.2					
EX-73	156+00	50' RT				CUSTOM	NO TRUCK DELIVERY	36	30	7.5					
EX-74	156+45	51' RT				R1-1	STOP	36	36	9.0					
EX-75	400+15	65' RT				R1-1	STOP	30	30	6.3					
REM-11	413+80	40' LT				CUSTOM	RED LIGHT PHOTO ENFORCED	36	36	9.0		9.0			
REM-12	151+58	40' RT				CUSTOM	RED LIGHT PHOTO ENFORCED	36	36	9.0		9.0			
REM-13	153+10	5' LT				R4-7	KEEP RIGHT	24	30	5.0		5.0			
REM-14	157+03	52' LT				CUSTOM	RED LIGHT PHOTO ENFORCED	36	36	9.0		9.0			
REM-19	151+37	5' LT				R3-5	MANDATORY MOVEMENT LANE CONTROL	30	36	7.5		7.5			
REL-20	409+24	70' LT	409+29	79' LT	GROUND	R10-6	STOP HERE ON RED	24	36	6.0		6.0		6.0	
REL-21	411+30	39' LT	411+02	43' LT	TRAFFIC SIGNAL	R1-1	STOP (FOLDED)	36	36	9.0		9.0		9.0	
REL-22	410+20	42' RT	410+47	47' RT	TRAFFIC SIGNAL	R1-1	STOP (FOLDED)	36	36	9.0		9.0		9.0	
REL-23	153+11	39' RT	152+75	64' RT	TRAFFIC SIGNAL	R1-1	STOP (FOLDED)	36	36	9.0		9.0		9.0	
REL-26	407+07	49' LT	406+90	42' LT	GROUND	CUSTOM	PACE BUS STOP	18	24	3.0		3.0		3.0	15.0
IL 50 AT CAL SAG RD SUBTOTAL											0	76	0	36	15
TOTAL											5	208	5	68	45

PROPOSED SIGNING SCHEDULE														
SIGN NUMBER	PROPOSED STATION	PROPOSED OFFSET	PROPOSED MOUNTING TYPE	DESIGNATION	DESCRIPTION	PANEL WIDTH	PANEL HEIGHT	PANEL AREA	SIGN PANEL T1	METAL POST TY A				
						(IN)	(IN)	(SQ FT)		(SQ FT)	P1	P2	P3	
IL 50 AT MIDLOTHIAN TURNPIKE														
PR-01	213+92	49' LT	LIGHT POLE	R3-5	MANDATORY MOVEMENT LANE CONTROL	30	36	7.5	7.5					
PR-02	102+43	55' LT	GROUND	R3-5	MANDATORY MOVEMENT LANE CONTROL	30	36	7.5	7.5	13.5	13.5			
IL 50 AT MIDLOTHIAN TURNPIKE SUBTOTAL									15		27			
IL 50 AT CAL SAG RD														
PR-03	407+56	43' RT	GROUND	R3-5	MANDATORY MOVEMENT LANE CONTROL	30	36	7.5	7.5	13.5	13.5			
IL 50 AT CAL SAG RD SUBTOTAL									8		27			
TOTAL									23		54			

MODEL: D:\efk\11\1035_03\DOT\01\PTB_199-012.WO_3_IL_50_at_Midlothian_Turnpike\Drawings\Proposed_Signing_Schedule.dgn
 FILE NAME: 2023_1035_03 DOT 01 PTB_199-012.WO_3_IL_50_at_Midlothian_Turnpike\Drawings\Proposed_Signing_Schedule.dgn



USER NAME = sklerpiec
 PLOT SCALE = 100,0000' / in.
 PLOT DATE = 11/21/2022

DESIGNED - RG
 DRAWN - SK
 CHECKED - JH
 DATE - 8/5/2022

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

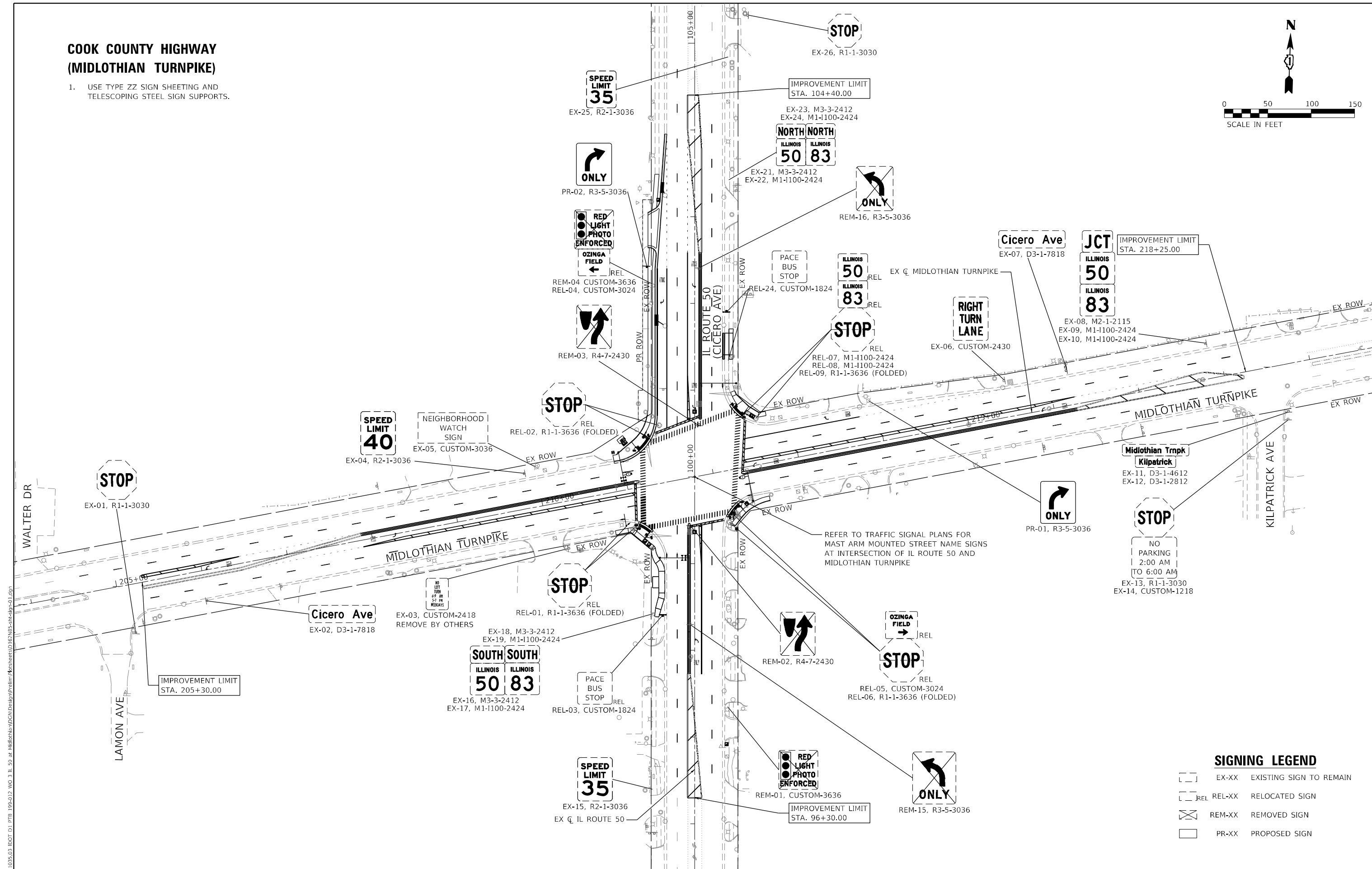
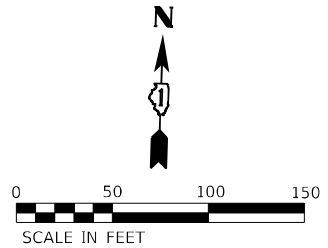
IL ROUTE 50 (CICERO AVENUE)
SCHEDULES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	107
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

**COOK COUNTY HIGHWAY
(MIDLOTHIAN TURNPIKE)**

1. USE TYPE ZZ SIGN SHEETING AND TELESCOPING STEEL SIGN SUPPORTS.



**Midlothian Trnkp
Kilpatrick**
EX-11, D3-1-4612
EX-12, D3-1-2812

STOP
NO
PARKING
2:00 AM
TO 6:00 AM
EX-13, R1-1-3030
EX-14, CUSTOM-1218

SIGNING LEGEND

- EX-XX EXISTING SIGN TO REMAIN
- REL-XX RELOCATED SIGN
- REM-XX REMOVED SIGN
- PR-XX PROPOSED SIGN

MODEL: D:\efk\1035_03 IDOT D1.PFB, 199-012, MO 3, IL 50, at Midlothian-NDCA\Design\Project\North\Sheet\62N85-62N85-01.dgn
FILE NAME: 2021054-N&SW



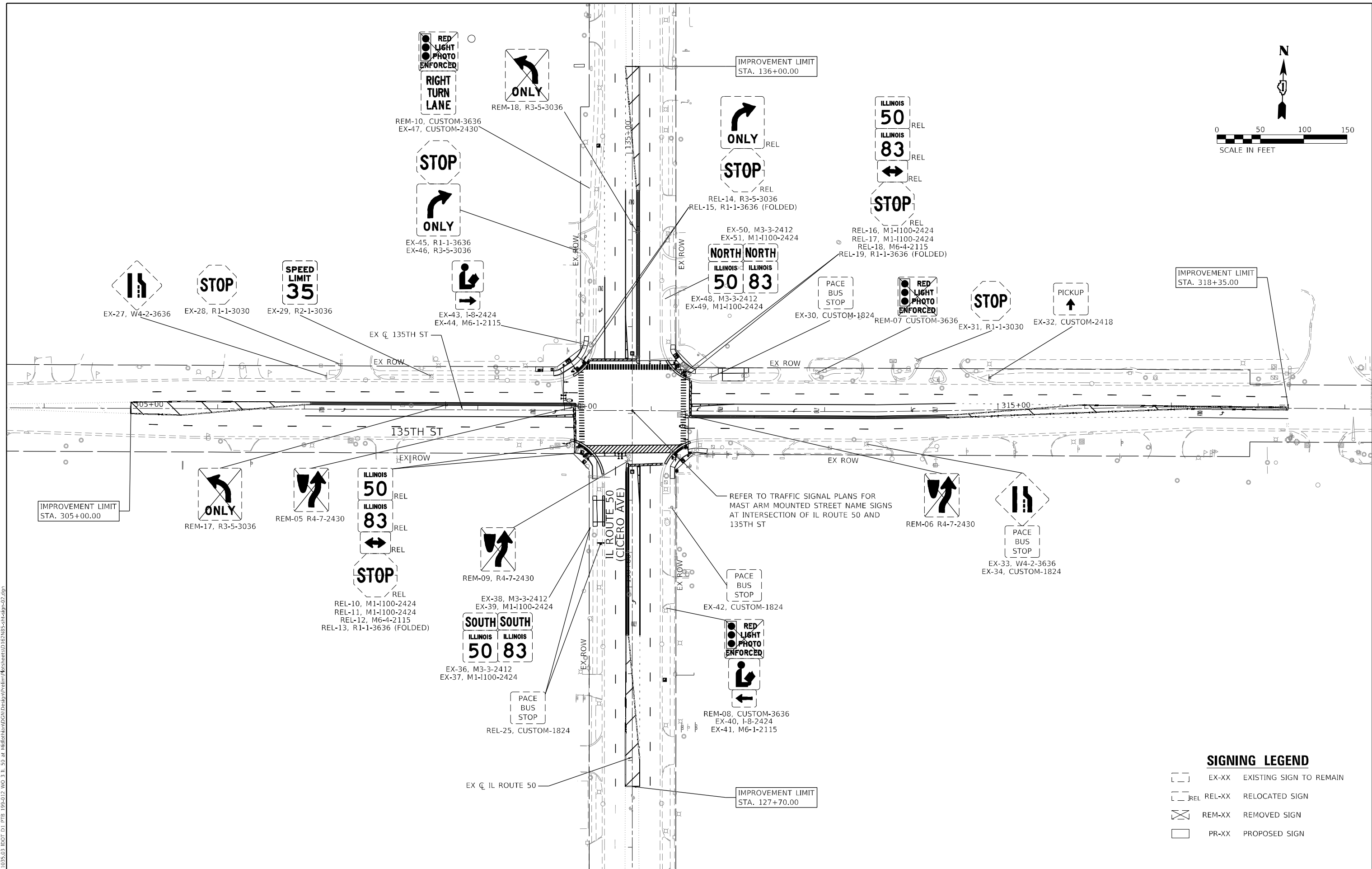
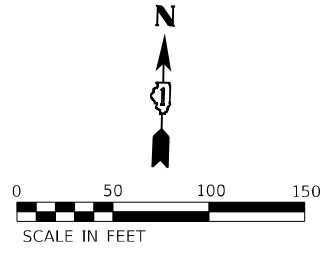
USER NAME = skierpiec	DESIGNED - RG	REVISED -
DRAWN - SK	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 11/21/2022	DATE - 8/5/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 50 (CICERO AVE) AT MIDLOTHIAN TURNPIKE
SIGNING PLAN**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	108
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



SIGNING LEGEND

- EX-XX EXISTING SIGN TO REMAIN
- REL-XX RELOCATED SIGN
- REM-XX REMOVED SIGN
- PR-XX PROPOSED SIGN

MODEL: Defaul
 FILE NAME: 2023.03.03.DDOT.D1.PFB.199-012.WO.3.IL.50.at.MidWestHighwayDesign\Project\BorSheet\1023N85-shs-epc-02.dgn



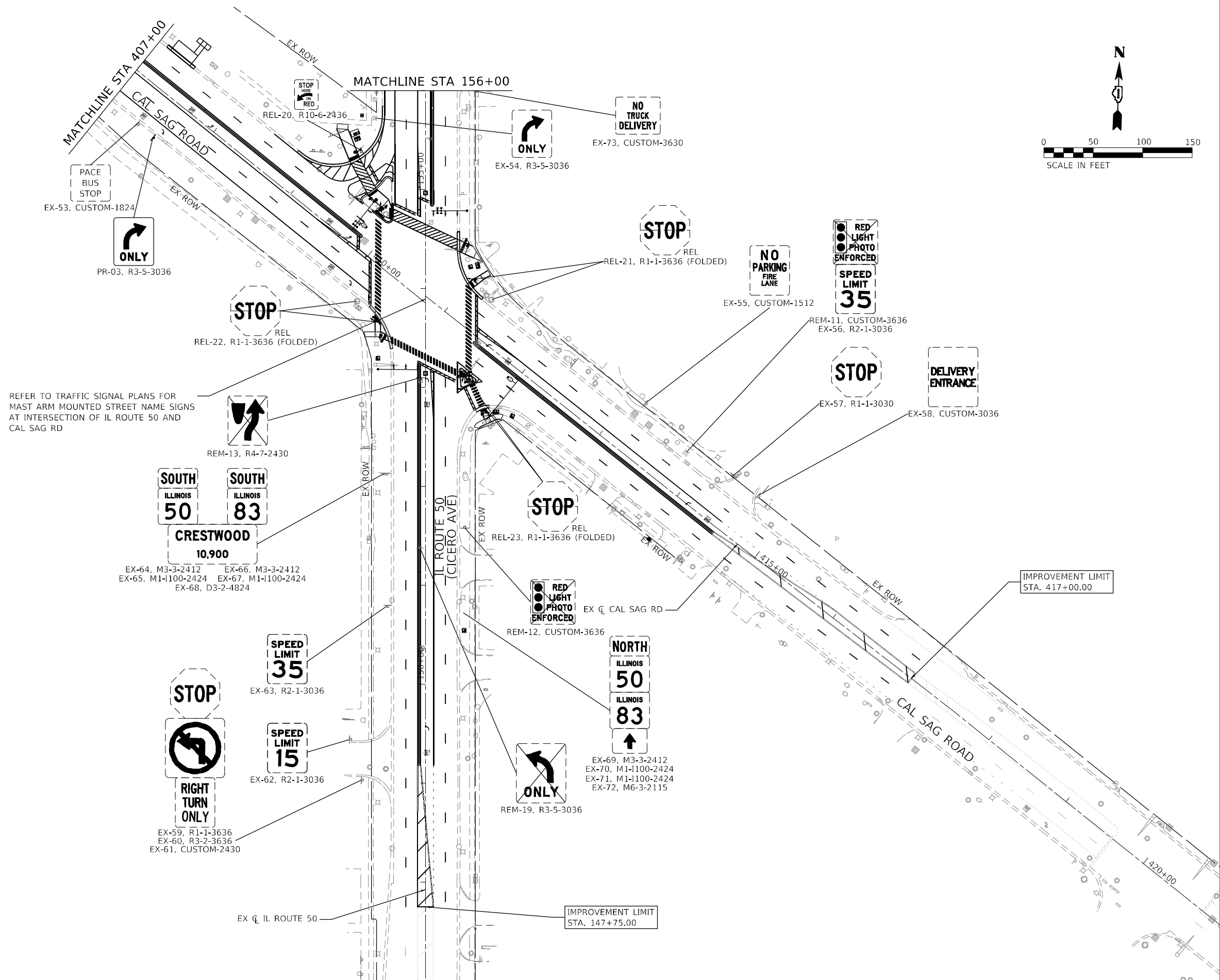
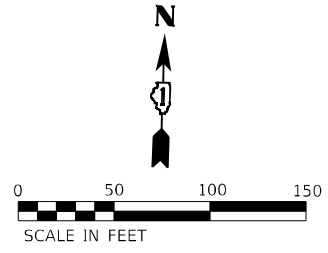
USER NAME = skierpiec	DESIGNED - RG	REVISED -
	DRAWN - SK	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 11/21/2022	DATE - 8/5/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 50 (CICERO AVE) AT 135TH STREET
SIGNING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	109
			CONTRACT NO. 62N85	
ILLINOIS FED. AID PROJECT				



REFER TO TRAFFIC SIGNAL PLANS FOR
MAST ARM MOUNTED STREET NAME SIGNS
AT INTERSECTION OF IL ROUTE 50 AND
CAL SAG RD

SIGNING LEGEND

- EX-XX EXISTING SIGN TO REMAIN
- REL-XX RELOCATED SIGN
- REM-XX REMOVED SIGN
- PR-XX PROPOSED SIGN

MODEL: D:\efk\1035_03 IDOT D1 PFB 199-012 WO 3 IL 50 at Midland\hwy\IDOT\Design\Project\Revised\1035-03.dgn
 FILE NAME: 20210325_03 IDOT D1 PFB 199-012 WO 3 IL 50 at Midland\hwy\IDOT\Design\Project\Revised\1035-03.dgn



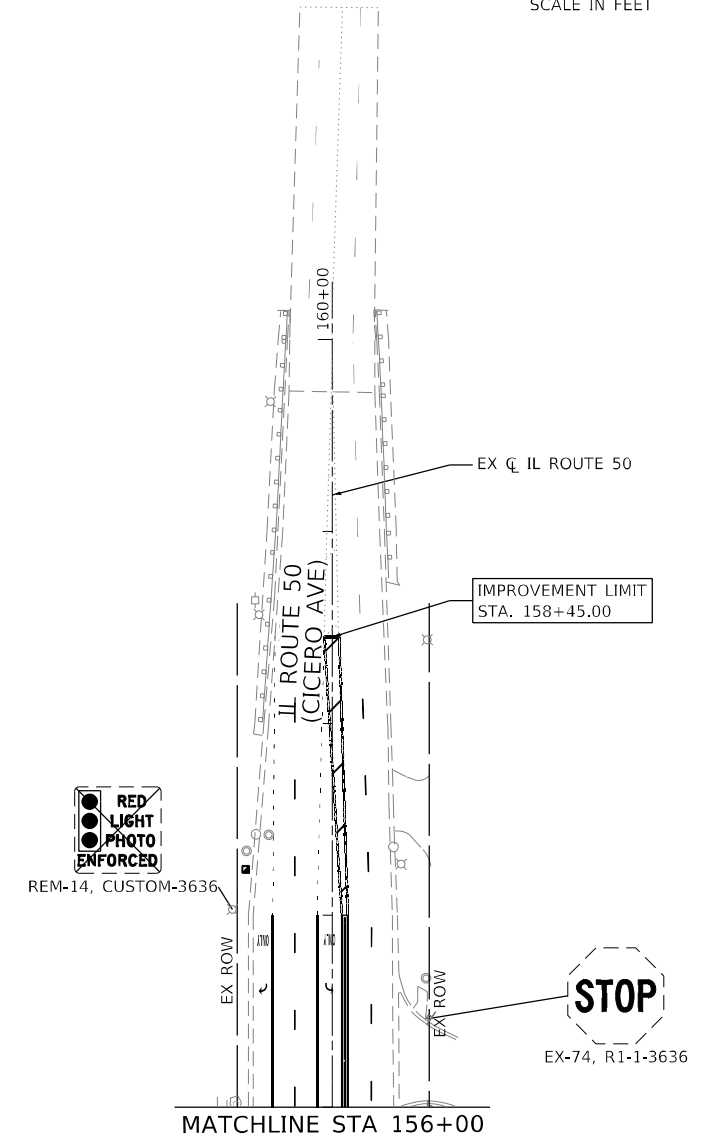
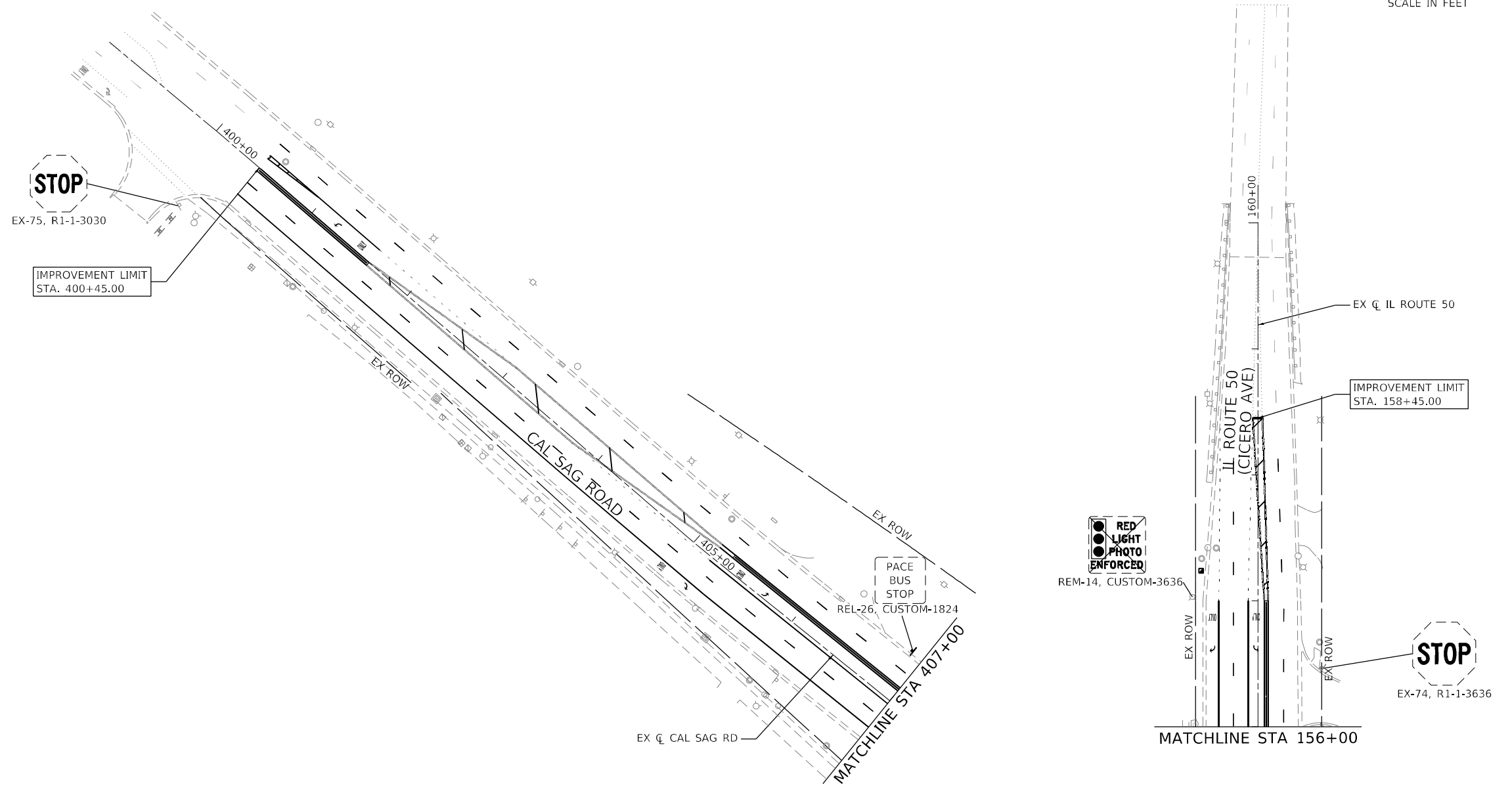
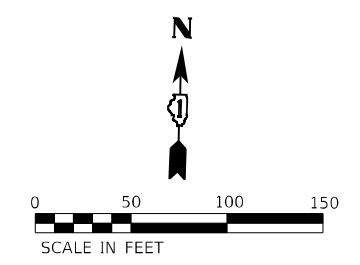
USER NAME = skierpiec	DESIGNED - RG	REVISED -
	DRAWN - SK	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 11/21/2022	DATE - 8/5/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 50 (CICERO AVE) AT CAL SAG ROAD
SIGNING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	110
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				



SIGNING LEGEND

	EX-XX	EXISTING SIGN TO REMAIN
	REL-XX	RELOCATED SIGN
	REM-XX	REMOVED SIGN
	PR-XX	PROPOSED SIGN

MODEL: D:\efk\h...
 FILE NAME: 20210325_03 IDOT D1 PFB 199-012_WO 3 IL 50 at Midlothian\DCN\Design\Project\BorSheet\ID12ENB5-sh-tpc-04.dgn



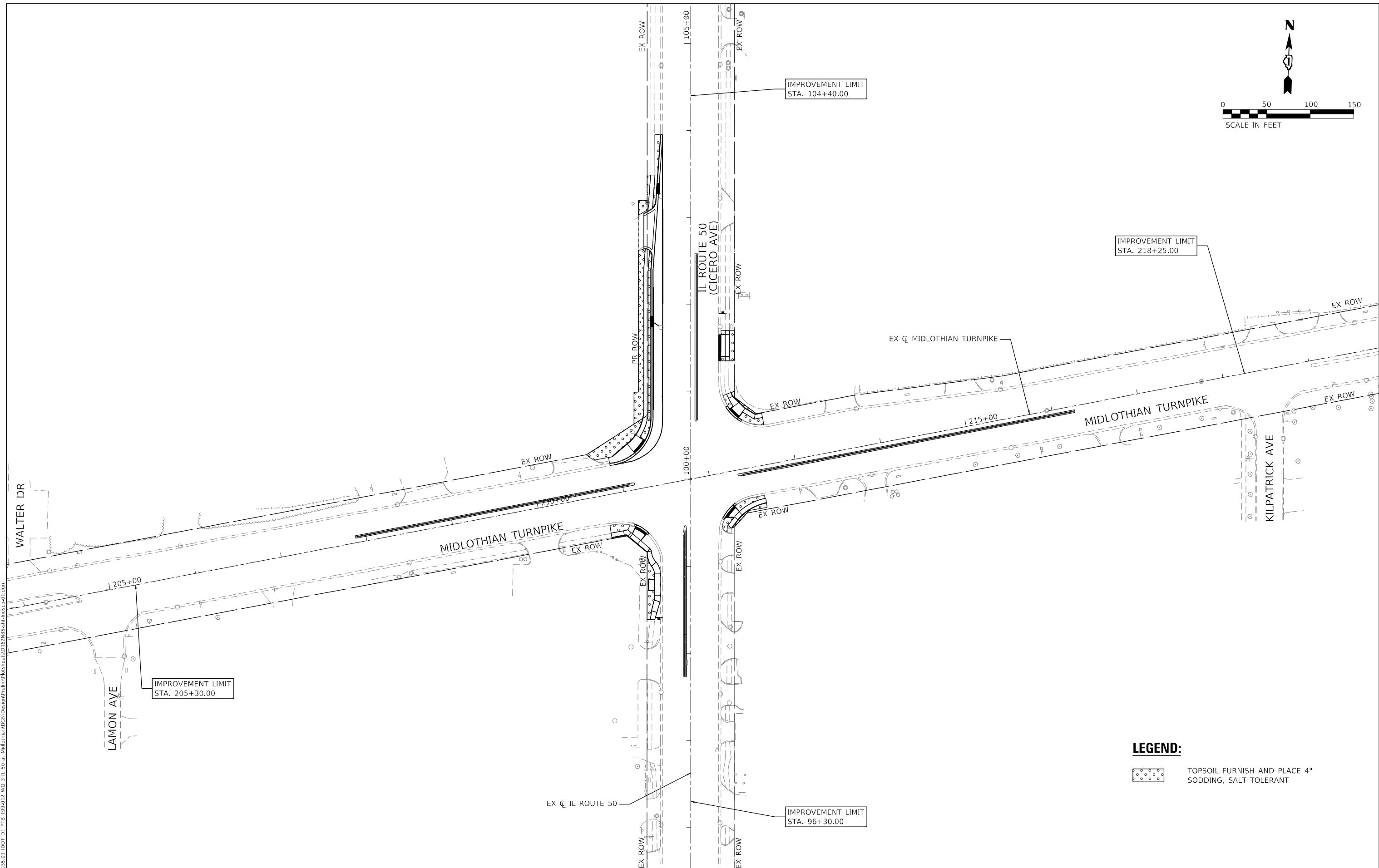
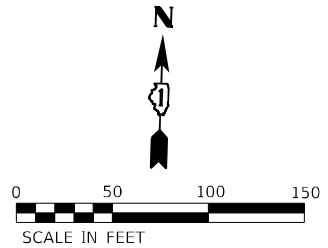
USER NAME = skierpiec	DESIGNED - RG	REVISED -
	DRAWN - SK	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 11/21/2022	DATE - 8/5/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 50 (CICERO AVE) AT CAL SAG ROAD
SIGNING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	111
CONTRACT NO. 62N85			ILLINOIS FED. AID PROJECT	



MODEL: Default
 FILE NAME: 20210325_03 IDOT D1.PFB 199-012_WO 3 IL 50 at Midlothian-UDCN\Design\Project\BorSheet\01ENB85-sh-lanscap-01.dgn

EFK Moen
Civil Engineering Design

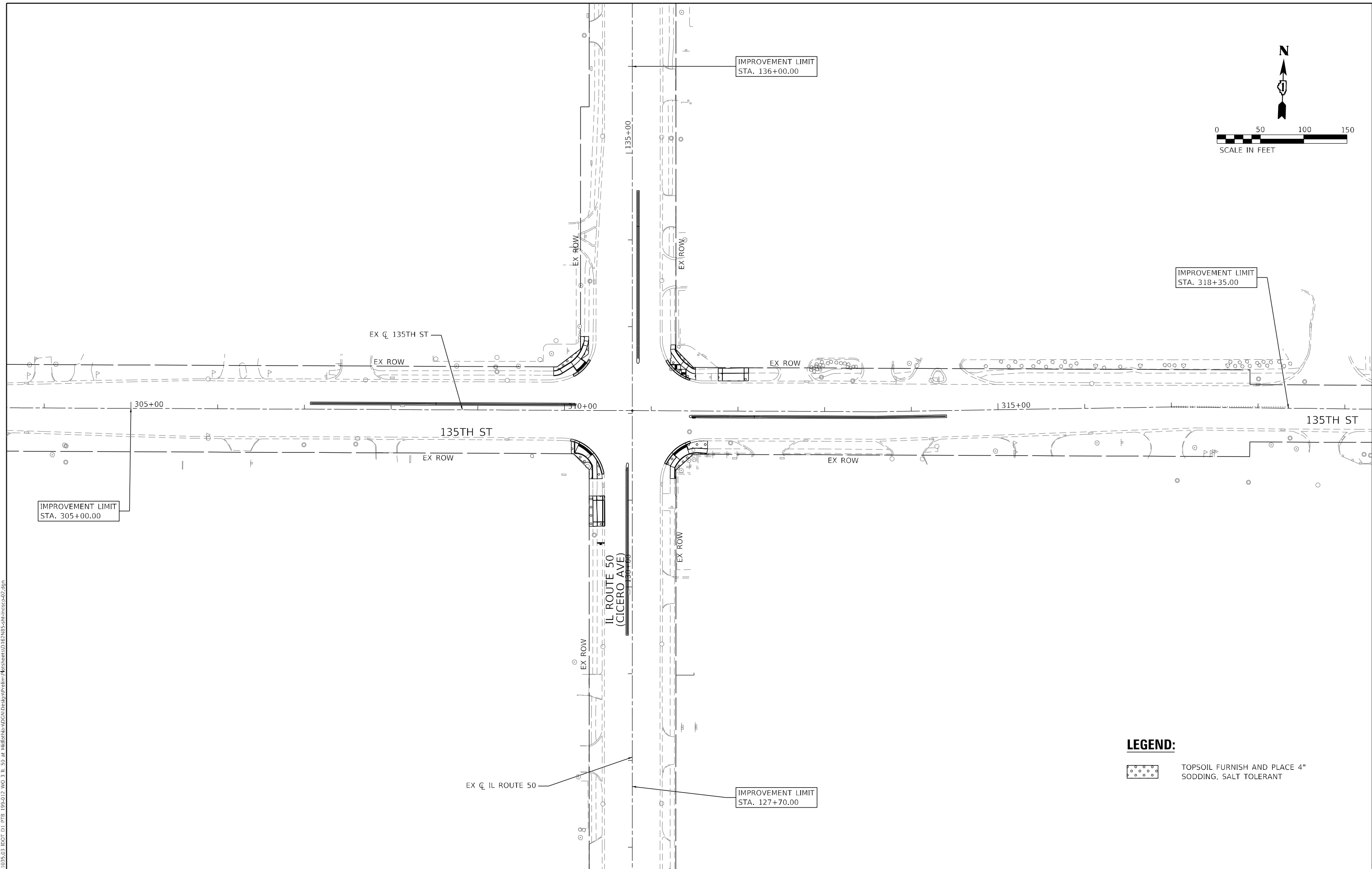
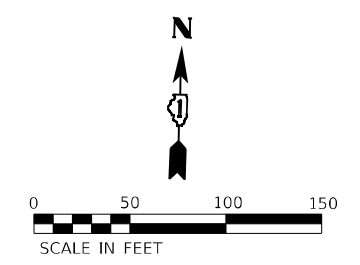
USER NAME = sklerpiec	DESIGNED - RG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - JB	REVISED -
PLOT DATE = 11/21/2022	CHECKED - JH	REVISED -
	DATE - 8/5/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


**IL ROUTE 50 (CICERO AVE) AT MIDLOTHIAN TURNPIKE
LANDSCAPING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	112
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				



LEGEND:

 TOPSOIL FURNISH AND PLACE 4" SODDING, SALT TOLERANT

MODEL: D:\efk\11111111\1035.03\DOT D1.PFB, 199-012, MO_3_IL_50_at_MidRightby-10DCN\Design\Plan\1035-03-IL-50-at-MidRightby-10DCN.dwg
 FILE NAME: 2022-1035.03 DOT D1.PFB, 199-012, MO_3_IL_50_at_MidRightby-10DCN\Design\Plan\1035-03-IL-50-at-MidRightby-10DCN.dwg



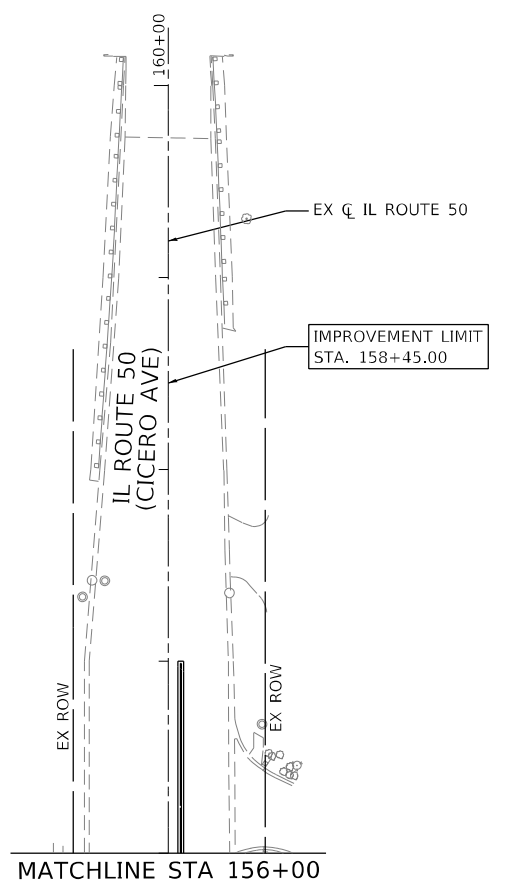
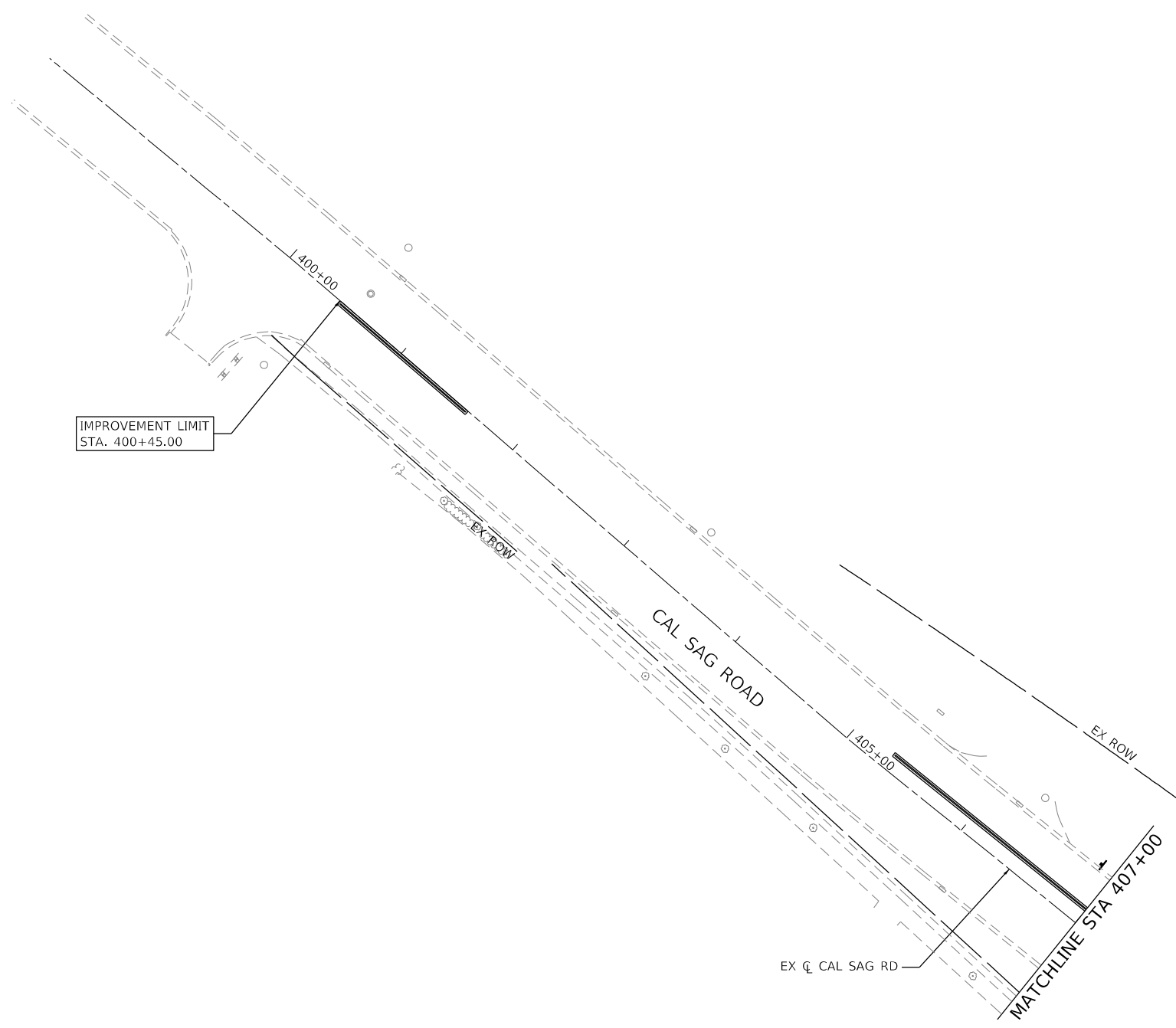
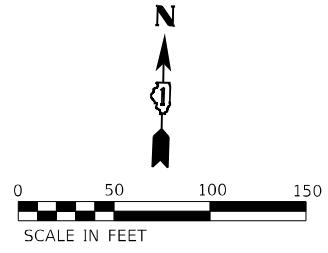
USER NAME = sklerpiec	DESIGNED - RG	REVISED -
DRAWN - JB	REVISOR -	
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISOR -
PLOT DATE = 11/21/2022	DATE - 8/5/2022	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


IL ROUTE 50 (CICERO AVE) AT 135TH STREET
LANDSCAPING PLAN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	113
CONTRACT NO. 62N85				
ILLINOIS		FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. TO STA.



LEGEND:

 TOPSOIL FURNISH AND PLACE 4" SODDING, SALT TOLERANT

MODEL: D:\efk\h...
 FILE NAME: 20210325_03 IDOT D1 PFB 199-012_WO 3 IL 50 at Midlothian\DCEN\Design\Prelim\PreSheet1\02ENB5-shh-in-ccp-04.dgn



USER NAME = sklerpiec	DESIGNED - RG	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 11/21/2022	DATE - 8/5/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 50 (CICERO AVE) AT CAL SAG ROAD
LANDSCAPING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	115
CONTRACT NO. 62N85			ILLINOIS FED. AID PROJECT	

HIGHWAY STANDARDS

STD. NO.	TITLE
720001-01	SIGN PANEL MOUNTING DETAIL
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886001-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS. 48 HOUR NOTIFICATION IS REQUIRED.

THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470, 72 HOURS IN ADVANCE OF BEGINNING WORK.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.

ALL EXISTING R.O.W. SHOWN IS APPROXIMATE AND MAY NEED TO BE VERIFIED IN THE FIELD. ANY R.O.W. CONFLICTS SHALL BE COORDINATED WITH THE RESIDENT ENGINEER.

THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).

IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR UNDERGROUND AND OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE AREA ENGINEER, THE RESIDENT ENGINEER AND ANY IMPACTED UTILITY COMPANY OF THE CONFLICT, AND SHALL COORDINATE AND RESOLVE THE ISSUE PRIOR TO ORDERING MATERIALS, AND PRIOR TO POURING FOUNDATIONS.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

PARTIAL PAYMENT AS DESCRIBED IN ARTICLE 109.07(b) OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED FOR ITEMS INCLUDED IN THIS CONTRACT.

LOCATIONS WITH PEDESTRIAN EQUIPMENT HAVE BEEN DESIGNED TO BE ADA COMPLIANT. ANY DEVIATION FROM THE PLANS FOR TRAFFIC SIGNAL MAST ARM/POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO INSURE ADA COMPLIANCE.

MODEL: Default
FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - E:\project - Work\CADD\135th-Cd - Signal\CADD_Sheets\135th-Cd - 13500.dgn



USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
	DRAWN - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/25/2022	DATE - 3/28/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN GENERAL NOTES
IL RTE 50 / 83 (CICERO AVE)
MIDLOTHIAN TPK TO CAL SAG RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2019-006-N	COOK	167	116
			CONTRACT NO. 62N85	
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

TS SHT NO. 1

MODEL: D:\p\h\... FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - E:\IM\project - Work\CADD\NO. 21-013 - IL50 - Midstate-135th-Cd - Spt\CADD_Sheet21-013_sht_1501.dgn

Transmart
100 South Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - A. FREEMAN	REVISED -
PLOT DATE = 2/25/2022	CHECKED - S. ADHIKARI	REVISED -
	DATE - 3/28/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

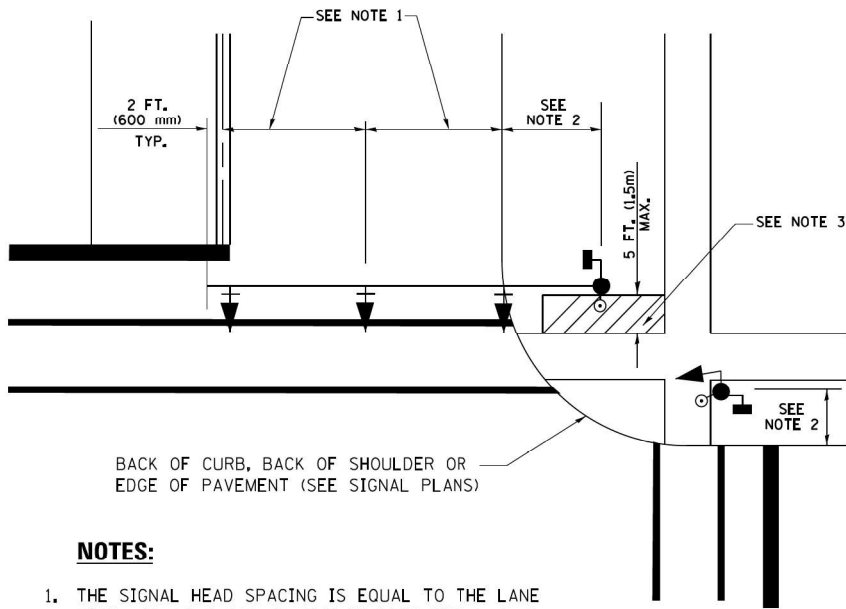
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 117
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

MODEL: D:\info\... FILE NAME: S:\projects\1804... PROJECT: WorkCAD\DWG... E:\IM\project... S:\CADD_Sheets\21013.dwg; TS03.dwg

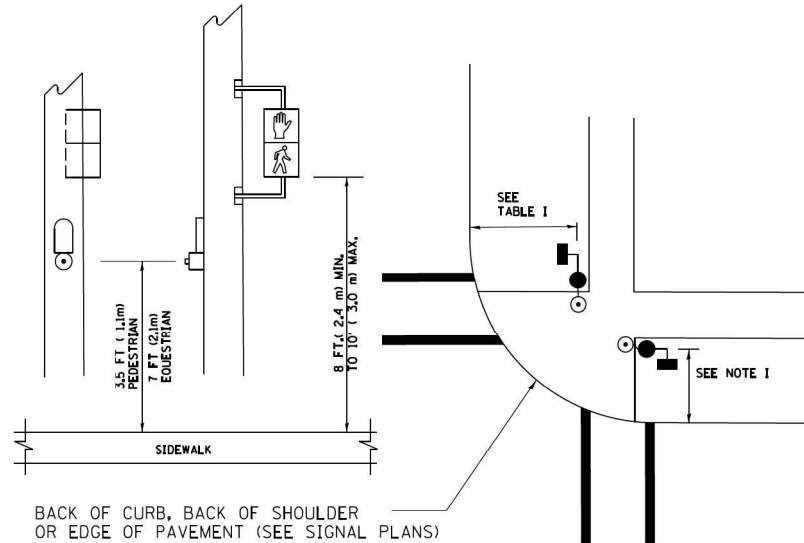
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

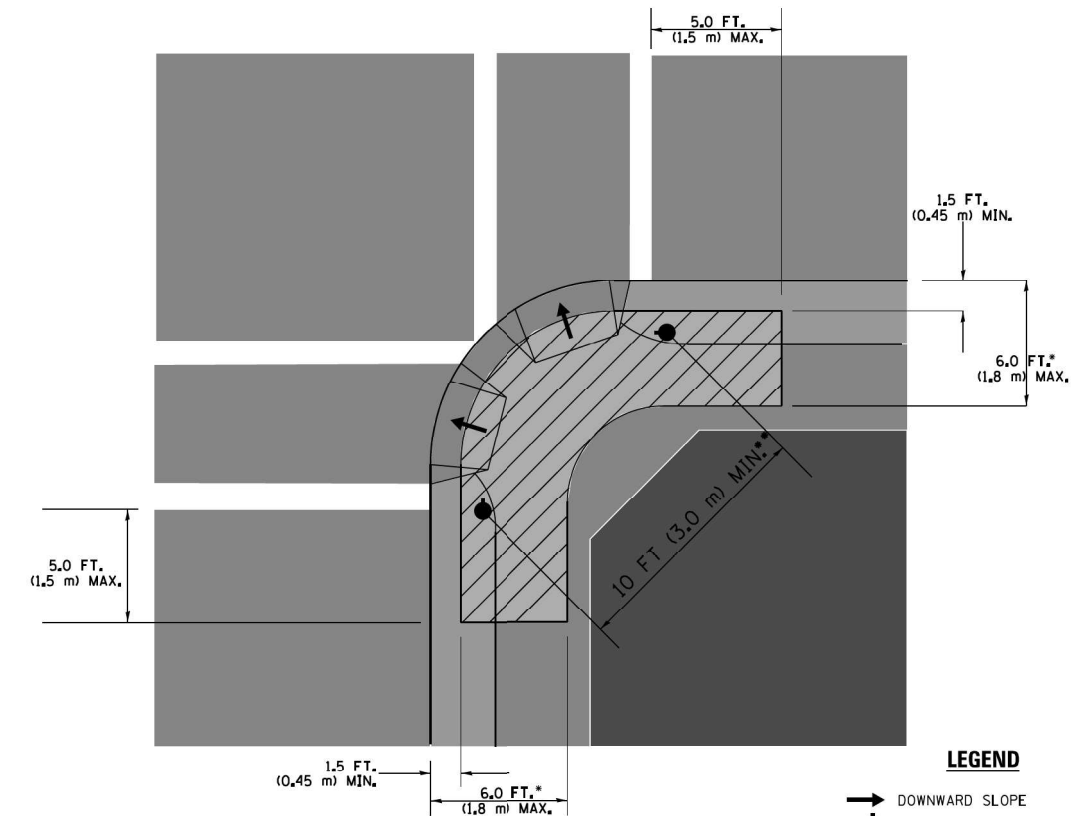
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

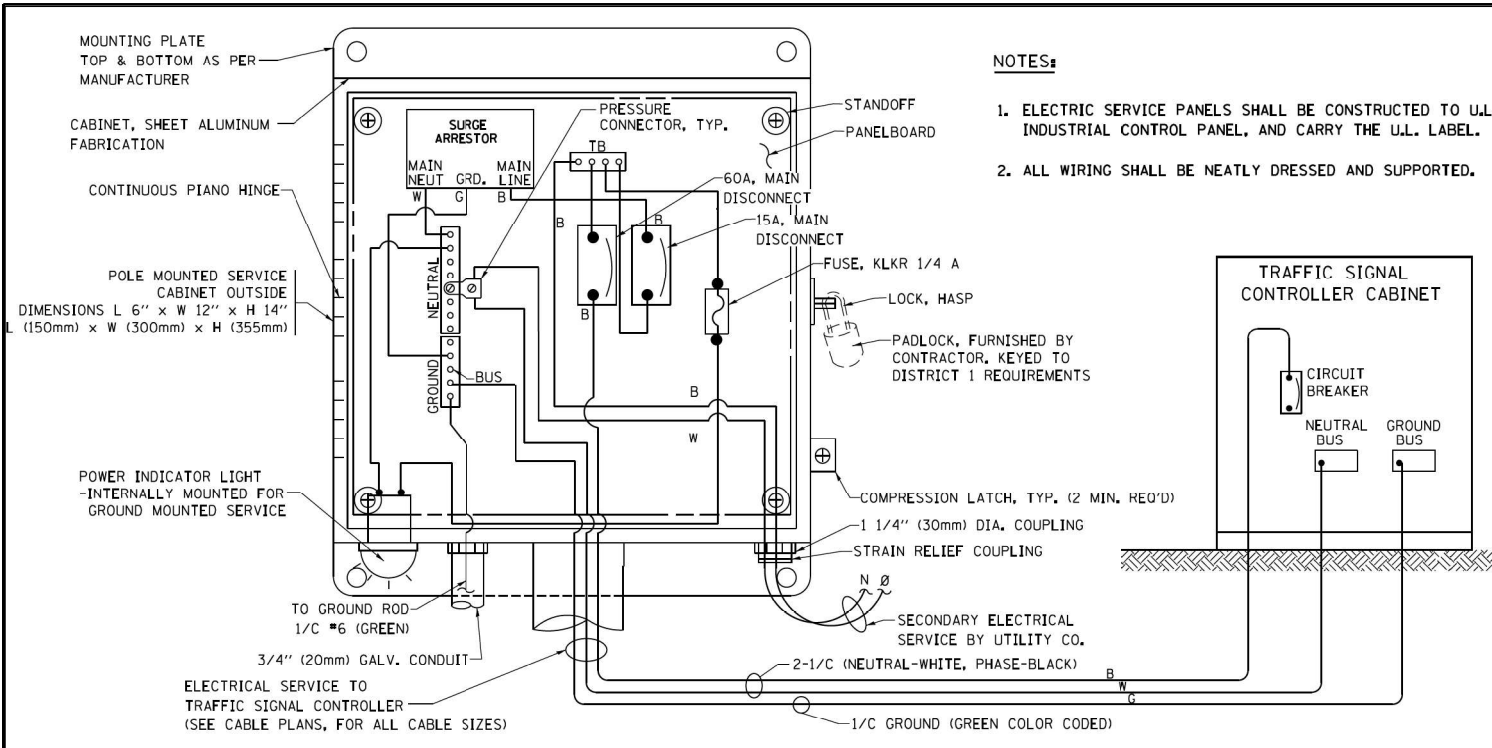
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

NOTES:

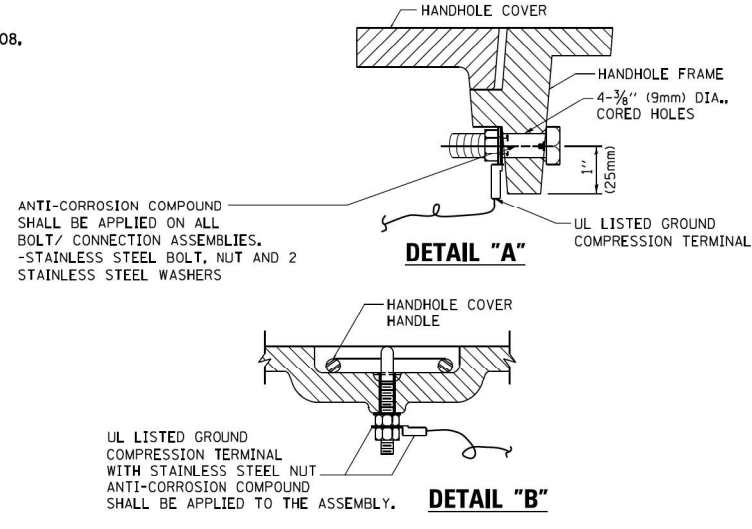
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM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

USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 */ in.	DRAWN - A. FREEMAN	REVISED -
PLOT DATE = 2/25/2022	CHECKED - S. ADHIKARI	REVISED -
	DATE - 3/28/2022	REVISED -

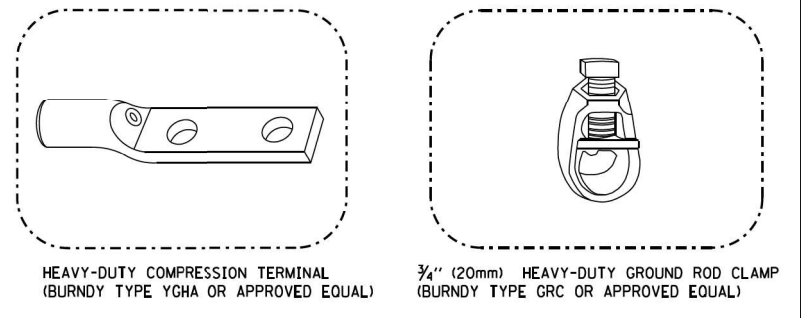
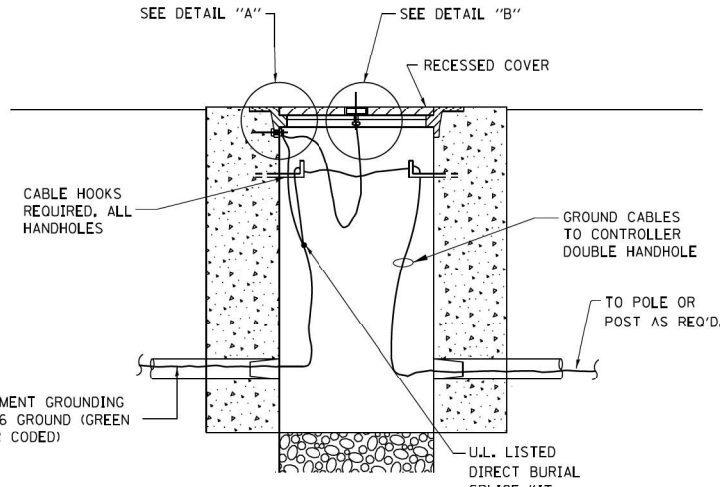
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2019-006-N	COOK	167	119
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				



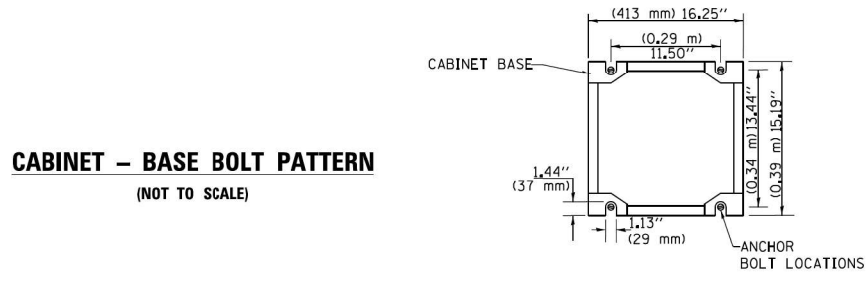
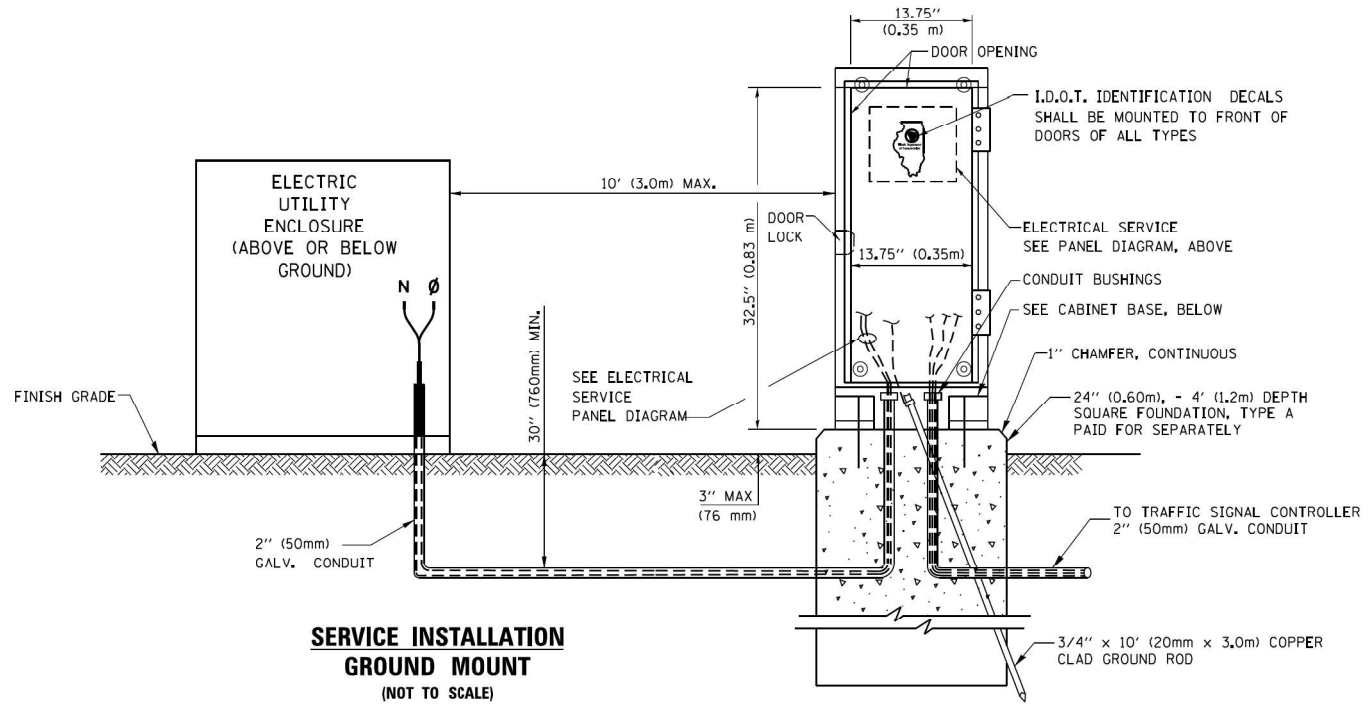
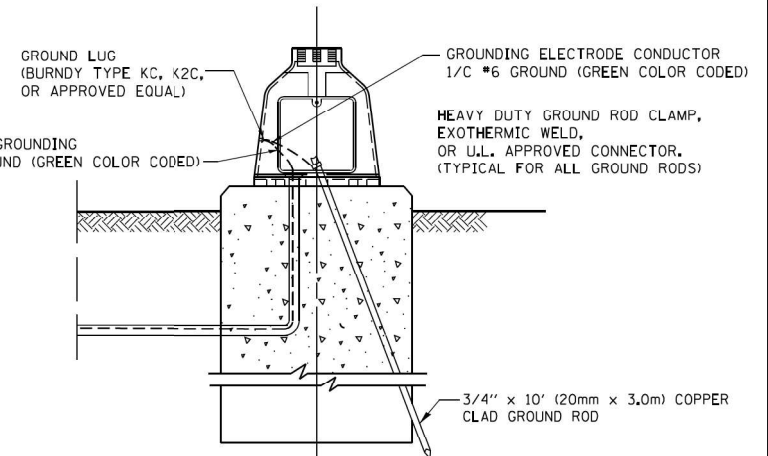
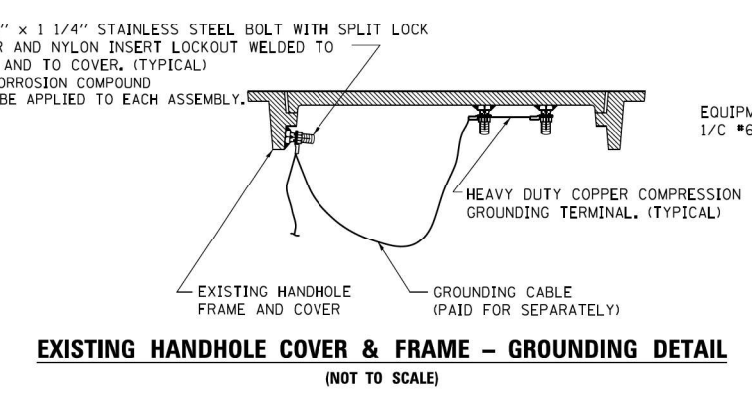
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)



- NOTES:**
- GROUNDING SYSTEM**
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
 2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
 3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
 4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



TS SHT NO. 4

MODEL: Draft; FILE NAME: Subproject1804 - IDOT Traffic Signal Design - E:\IM\project\Work\CADD\NO. 21-013 - IL50_Midwest-135th-Cd_Spl\CADD_Sheets\21-013_sht_3504.dgn

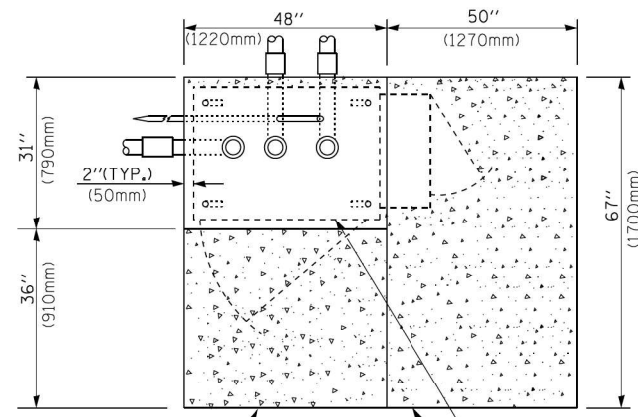
TranSmart
100 South Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 */ in.	DRAWN - A. FREEMAN	REVISED -
PLOT DATE = 2/25/2022	CHECKED - S. ADHIKARI	REVISED -
	DATE - 3/28/2022	REVISED -

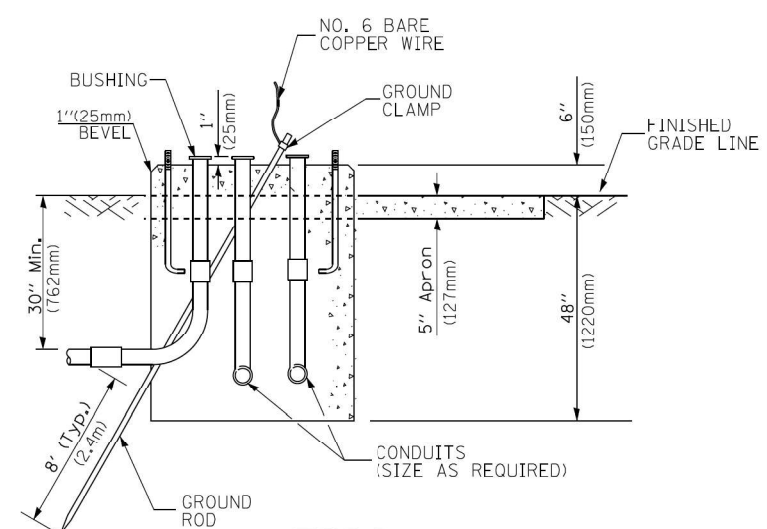
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

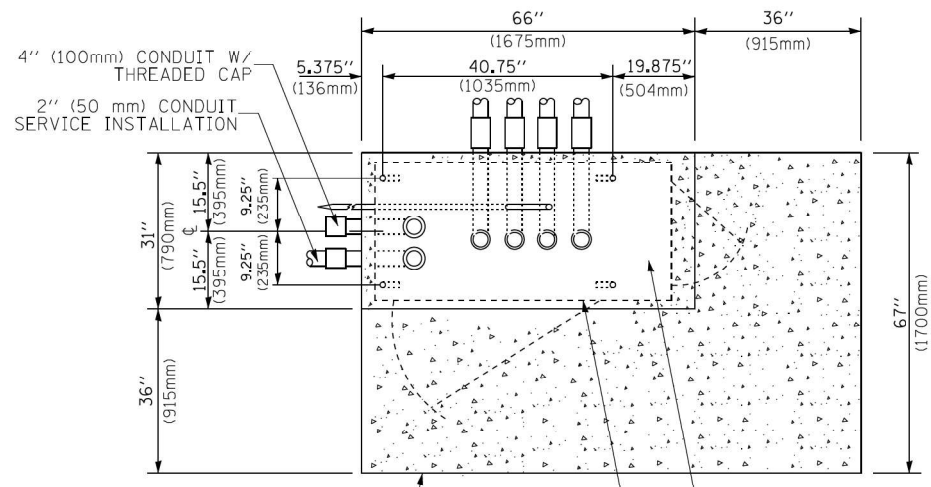
F.A.P. RTE. = 350	SECTION = 2019-006-N	COUNTY = COOK	TOTAL SHEETS = 167	SHEET NO. = 120
SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62N85	
ILLINOIS FED. AID PROJECT				



TOP VIEW

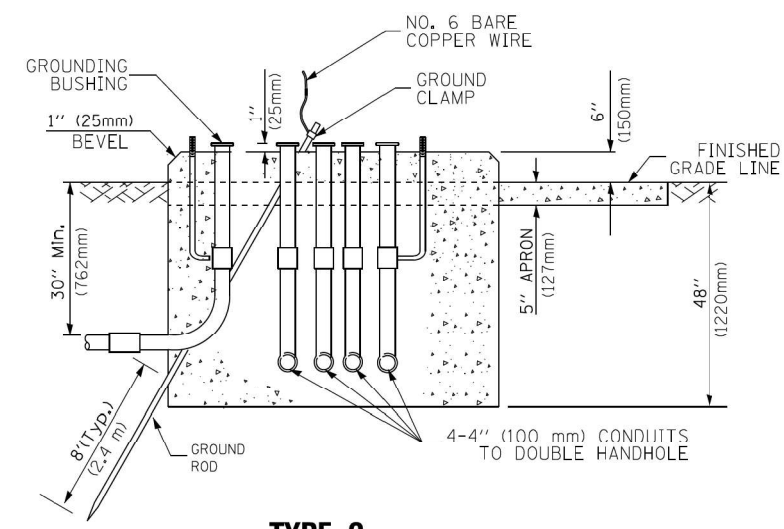


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

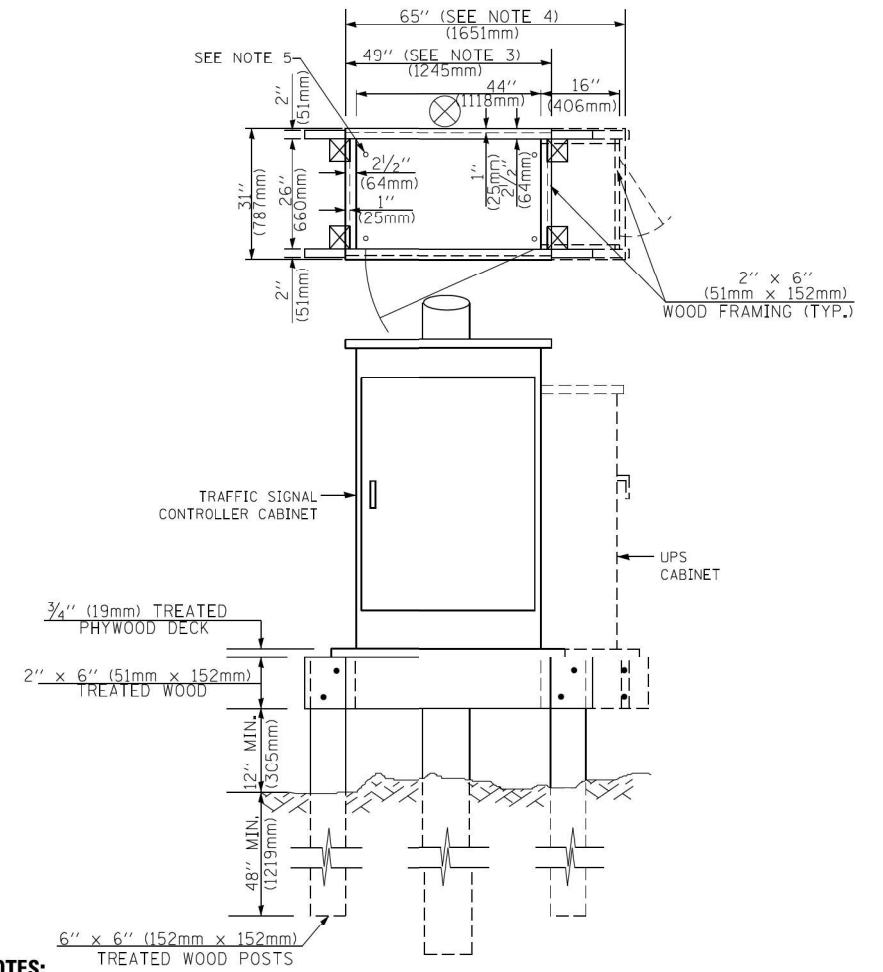


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

TS SHT NO. 5



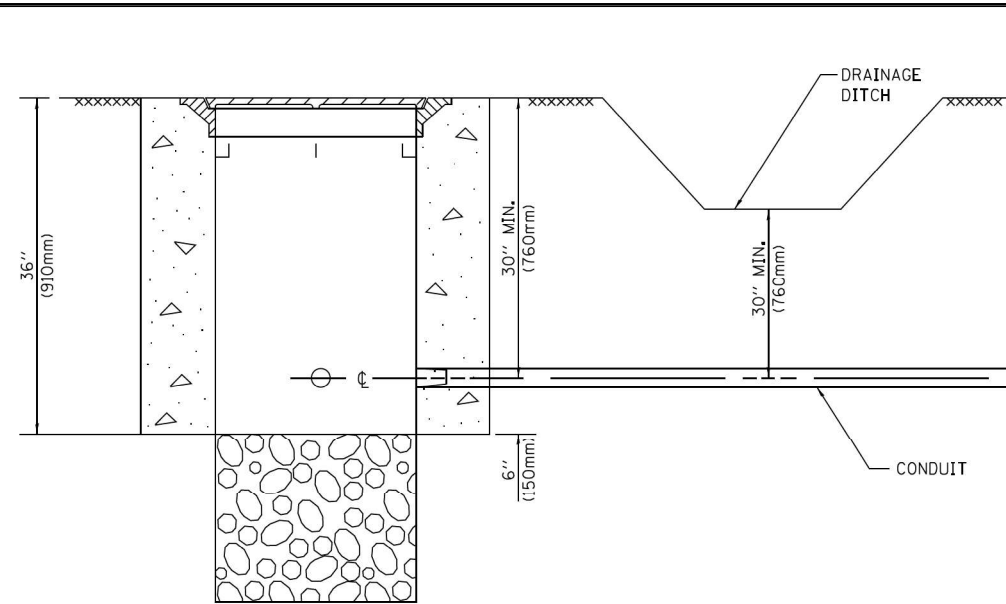
USER NAME = A/freeman	DESIGNED - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 * 1/4"	DRAWN - A. FREEMAN	REVISED -
PLOT DATE = 2/23/2022	CHECKED - S. ADHIKARI	REVISED -
	DATE - 3/28/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

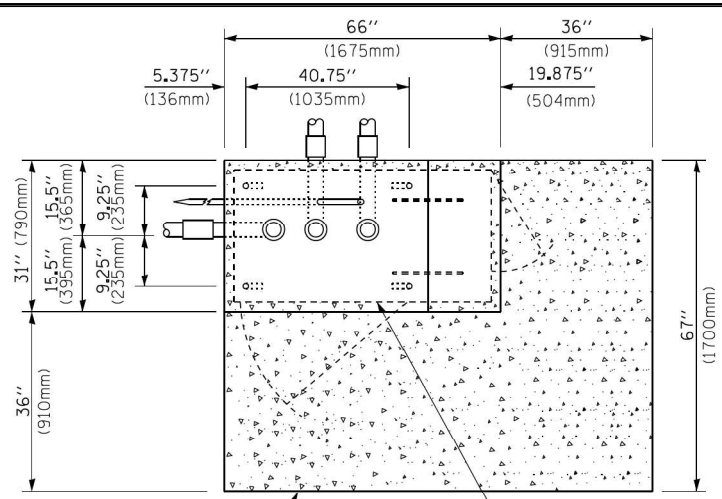
F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 121
				CONTRACT NO. 62N85
ILLINOIS FED. AID PROJECT				



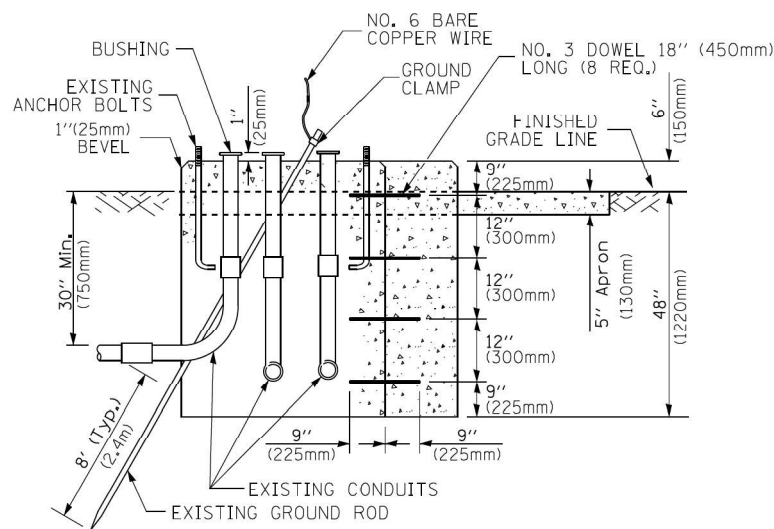
NOTES:

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

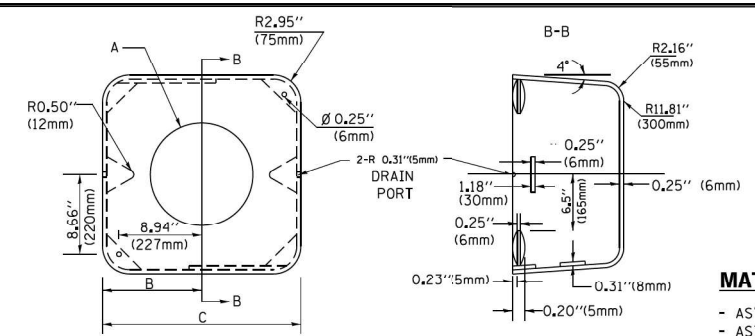
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

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

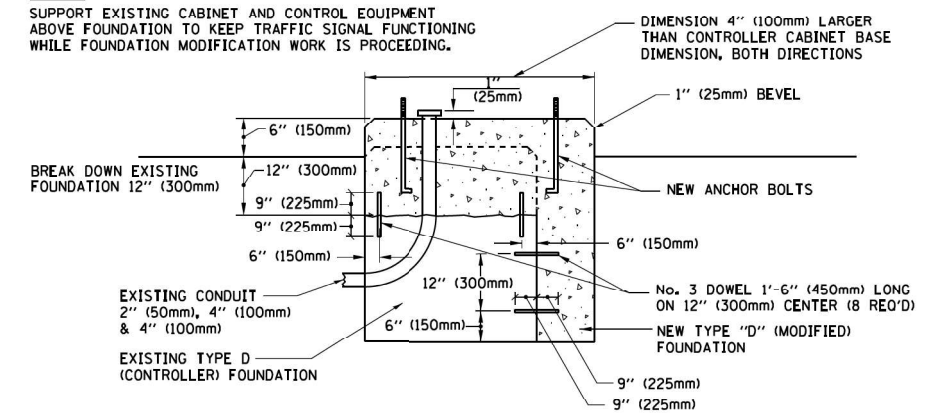
SHROUD

NOTES:

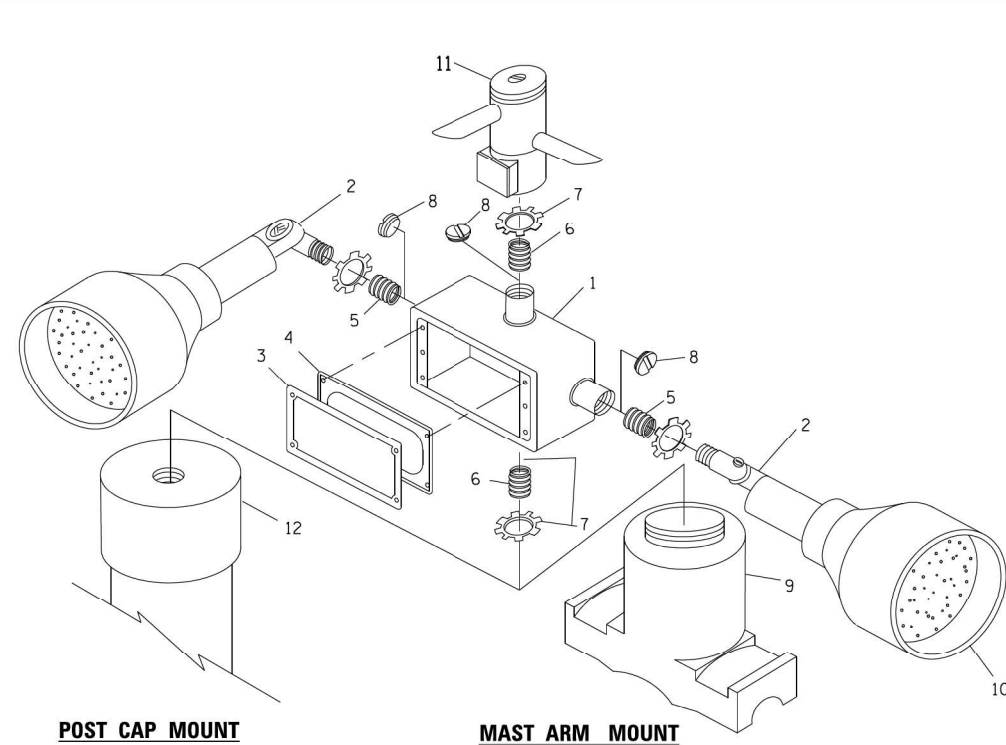
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



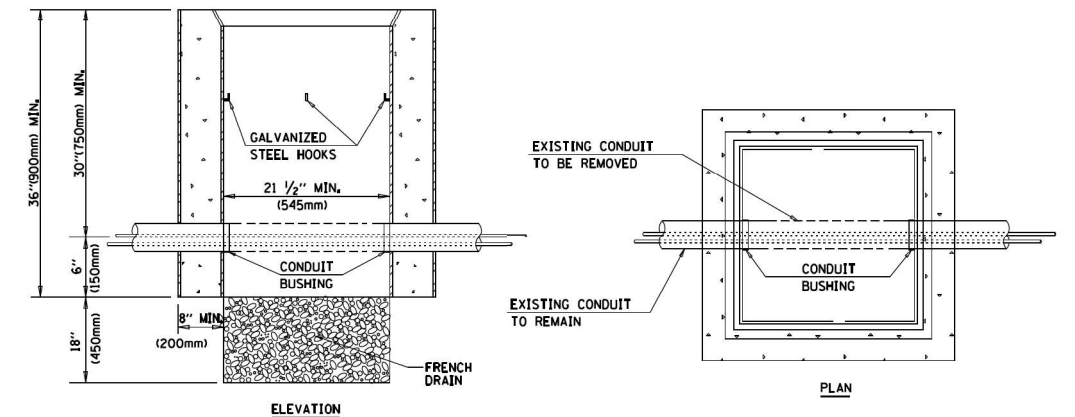
MODIFY EXISTING TYPE "D" FOUNDATION



ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

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



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 6

Transmart
100 South Wacker Drive Suite 400
Chicago, Illinois 60606

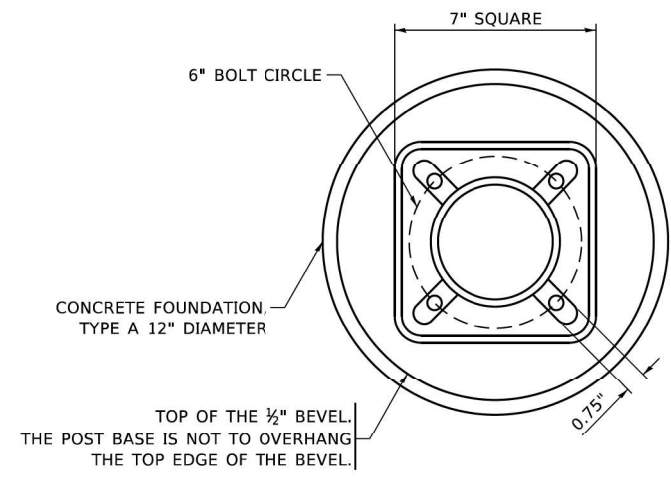
USER NAME = A/freeman	DESIGNED - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 */ in.	DRAWN - A. FREEMAN	REVISED -
PLOT DATE = 2/23/2022	CHECKED - S. ADHIKARI	REVISED -
	DATE - 3/28/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

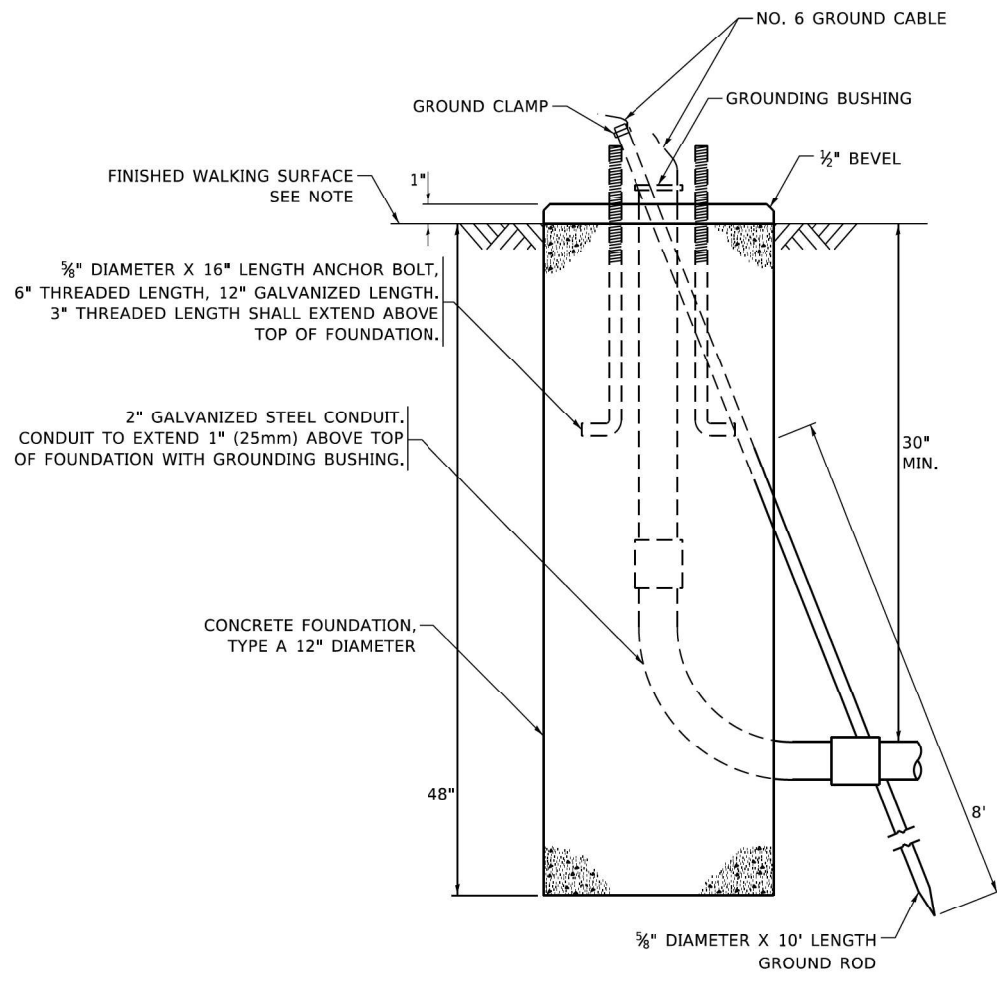
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. = 350	SECTION = 2019-006-N	COUNTY = COOK	TOTAL SHEETS = 167	SHEET NO. = 122
			CONTRACT NO. 62N85	
ILLINOIS FED. AID PROJECT				

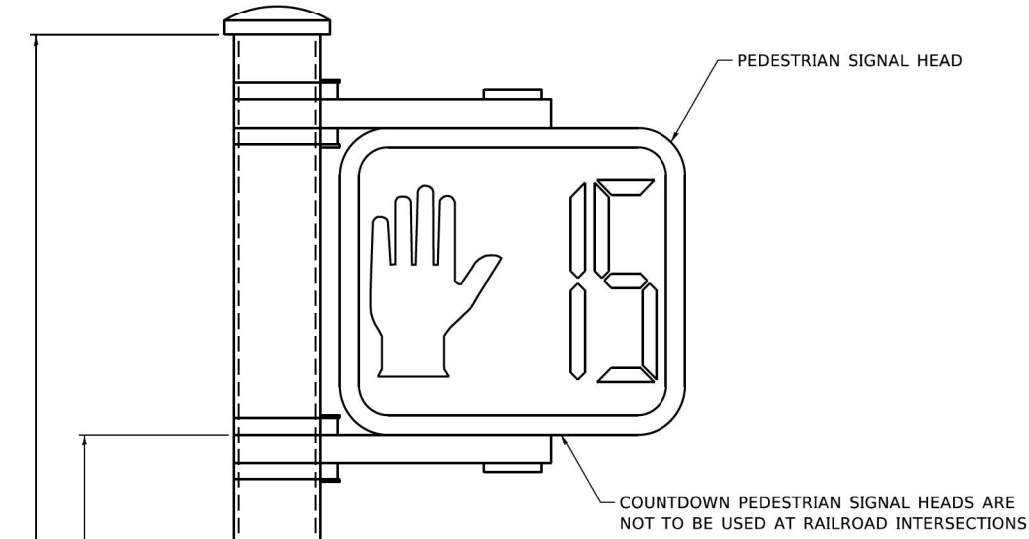


BOLT PATTERN

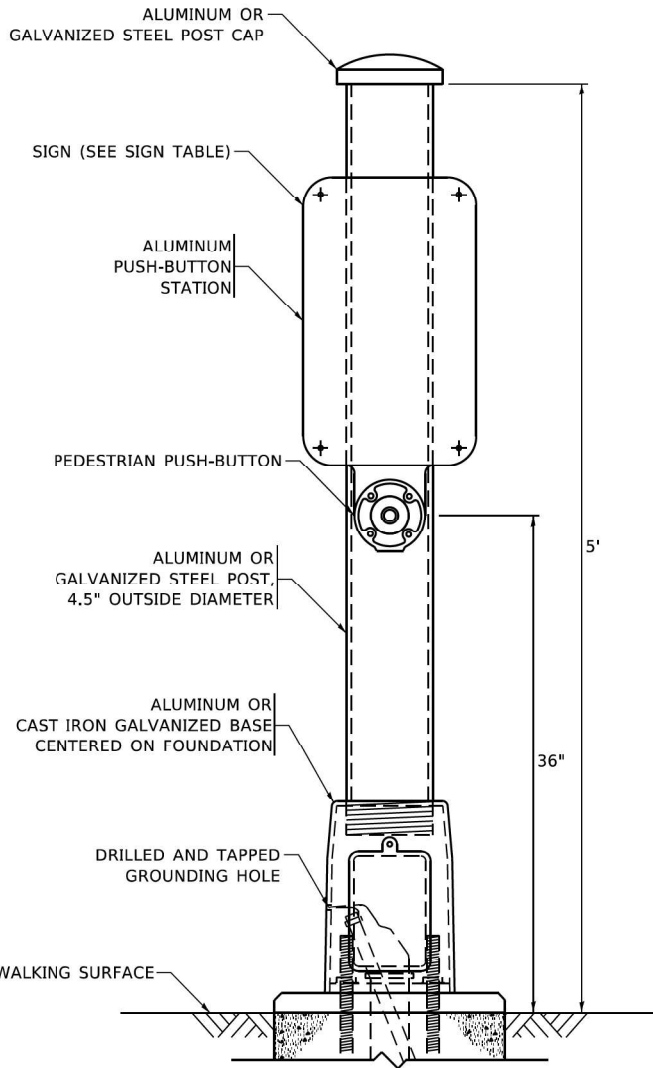
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



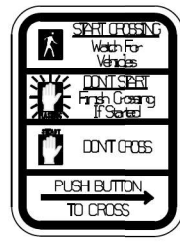
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



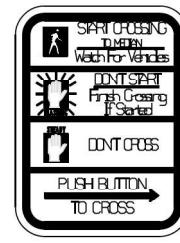
PEDESTRIAN SIGNAL POST, 10 FT.



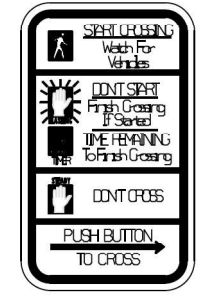
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:
 1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
 2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
 3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

TS SHT NO. 7

MODEL Path: \\s:\projects\1804 - IDOT Traffic Signal Design - E:\projects\Work\CADD\NO. 2-14-13 - IL50_Midwest\1355h-Cd_Sig\CADD_Sheets\2-14-13_sht_7507.dgn
 FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - E:\projects\Work\CADD\NO. 2-14-13 - IL50_Midwest\1355h-Cd_Sig\CADD_Sheets\2-14-13_sht_7507.dgn



USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - A. FREEMAN	REVISED -
PLOT DATE = 2/25/2022	CHECKED - S. ADHIKARI	REVISED -
	DATE - 3/28/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 123
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 4 EACH ALUMINUM MAST ARM ASSEMBLY AND POST
- 4 EACH TRAFFIC SIGNAL POST
- 6 EACH 3-SECTION SIGNAL HEAD
- 10 EACH 5-SECTION SIGNAL HEAD
- 1 EACH SERVICE INSTALLATION
- 4 EACH TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



TS SHT NO. 9

MODEL Path: \\... \TranSmart\Projects\1804 - IDOT Traffic Signal Design - E:\M\project\Work\CADD\WG_2\1-013 - IL50_Midlothian-135th-Cd_Sig\CADD_Sheets\21-013_sht_1509.dgn
FILE NAME: Signal\1804 - IDOT Traffic Signal Design - E:\M\project\Work\CADD\WG_2\1-013 - IL50_Midlothian-135th-Cd_Sig\CADD_Sheets\21-013_sht_1509.dgn

IL RTE 50 / 83
(CICERO AVE)

IL RTE 50 / 83
(CICERO AVE)

IL RTE 50 / 83
(CICERO AVE)

IL RTE 50 / 83
(CICERO AVE)

MATCH LINE STA. 98+50

MATCH LINE STA. 102+00

MATCH LINE STA. 98+50

MATCH LINE STA. 102+00

MIDLOTHIAN TPK

MIDLOTHIAN TPK

TEMPORARY WIRELESS INTERCONNECT
TO 137TH ST
APPROX. STA.
100+48.2, 75.3' LT

SET FAR BACK VIDEO DETECTION ZONE 250'
FROM STOP BAR FOR EACH MOT STAGE AS
DIRECTED BY THE ENGINEER (TYP.)

APPROX. STA.
99+43.0, 72.8' LT

APPROX. STA.
99+63.9, 69.7' RT

APPROX. STA.
100+81.4, 62.7' RT



USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
	DRAWN - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/25/2022	DATE - 3/28/2022	REVISED -

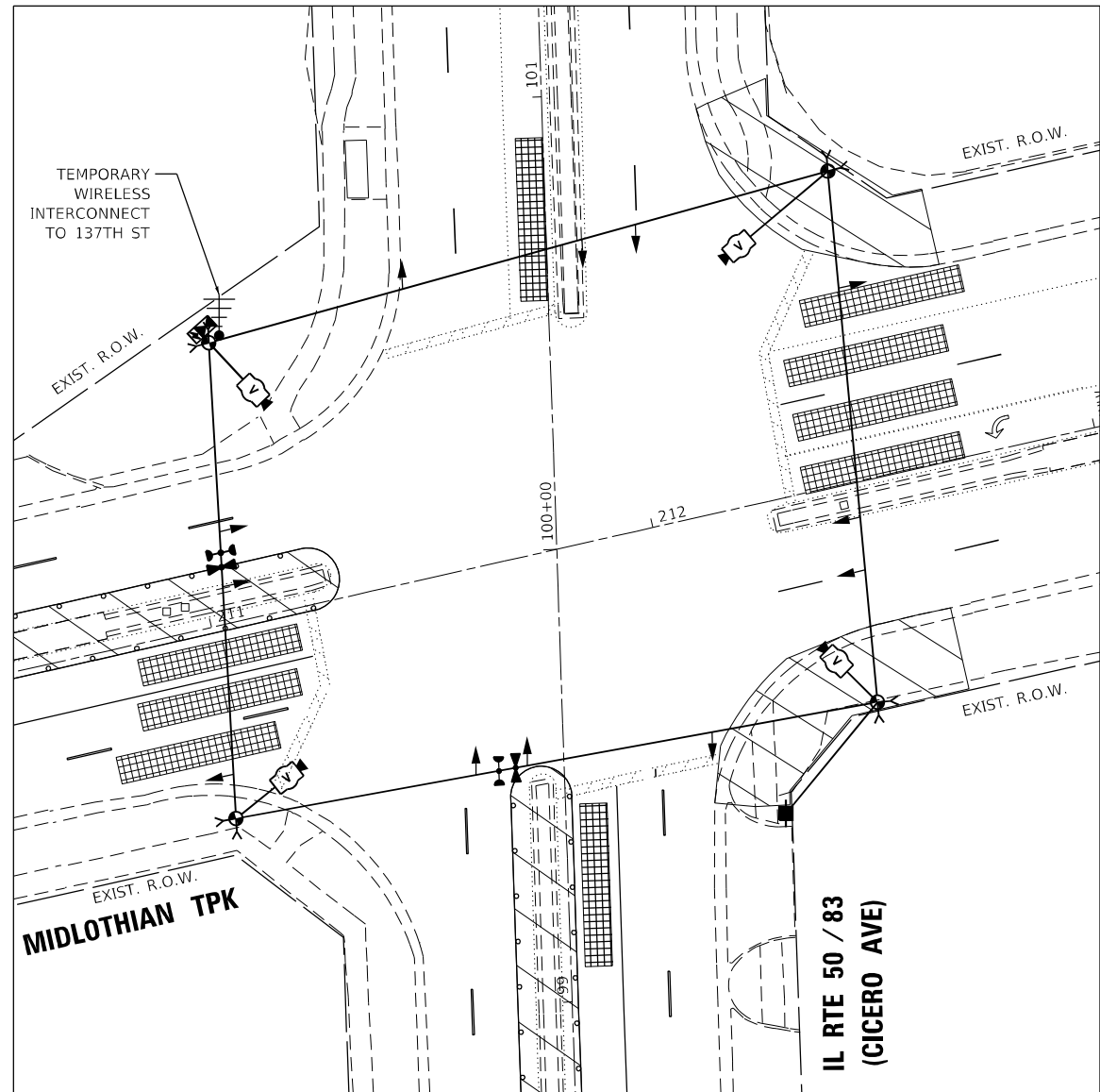
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
IL RTE 50 / 83 (CICERO AVE) AND MIDLOTHIAN TPK

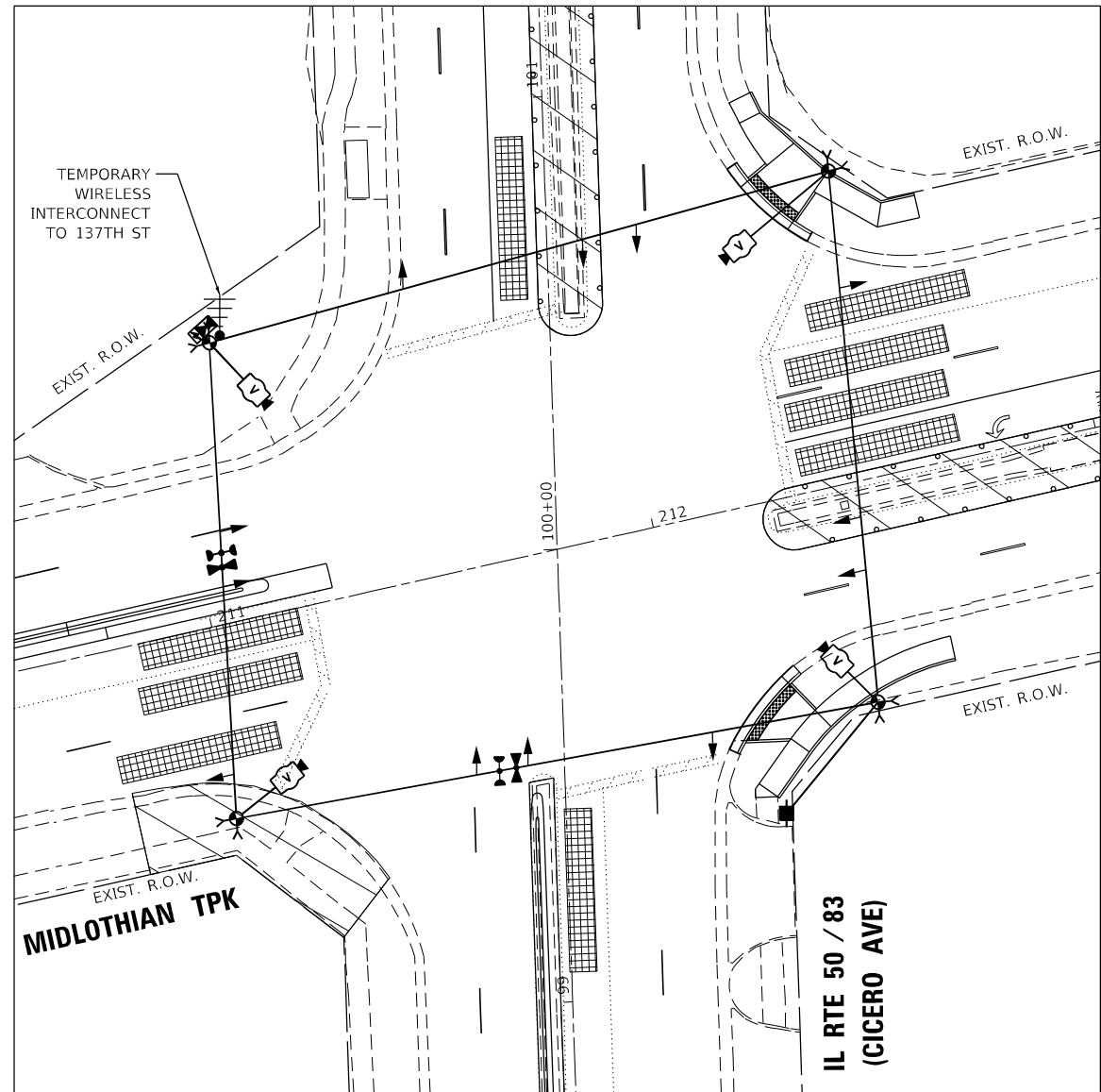
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 125
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

TS 2655
ECON 69



**TEMPORARY SIGNAL LAYOUT
STAGE 1**



**TEMPORARY SIGNAL LAYOUT
STAGE 2**

TS SHT NO. 10

MODEL Path: E:\Projects\1804 - IDOT Traffic Signal Design - E:\Project\Work\CADD\WD_21413 - IL50_Midlothian-137th-Cd_Sig\CADD_Sheets\21413_sht_TS09.dgn
FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - E:\Project\Work\CADD\WD_21413 - IL50_Midlothian-137th-Cd_Sig\CADD_Sheets\21413_sht_TS09.dgn

TranSmart
100 South Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
DRAWN - A. FREEMAN	REVISIONS	
PLOT SCALE = 40,0000 * / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/25/2022	DATE - 3/28/2022	REVISED -

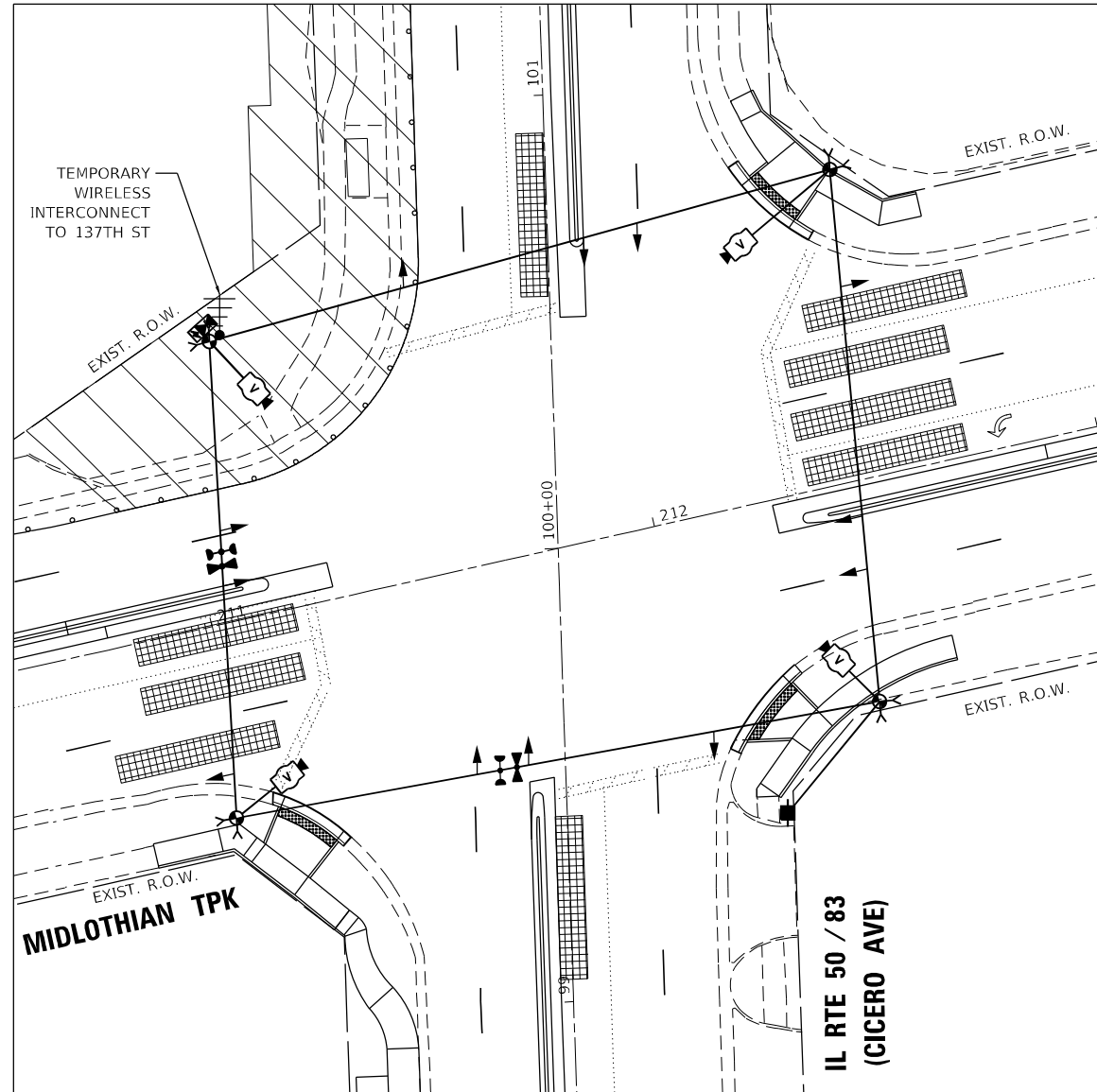
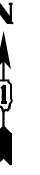
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
(STAGE 1 & 2)
IL RTE 50 / 83 (CICERO AVE) AND MIDLOTHIAN TPK**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2019-006-N	COOK	167	126
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

**TS 2655
ECON 69**



**TEMPORARY SIGNAL LAYOUT
STAGE 3**

TS SHT NO. 11

MODEL Path: \\... \DOT Traffic Signal Design - E:\M\project - Work\CADD\WG_21413 - IL50_Midlothian-137th-Cd_Sig\CADD_Sheets\21413_sht_TS098.dgn
FILE NAME: \\... \DOT Traffic Signal Design - E:\M\project - Work\CADD\WG_21413 - IL50_Midlothian-137th-Cd_Sig\CADD_Sheets\21413_sht_TS098.dgn

TranSmart
100 South Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
DRAWN - A. FREEMAN	REVISIONS -	
PLOT SCALE = 40,0000 * / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/25/2022	DATE - 3/28/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

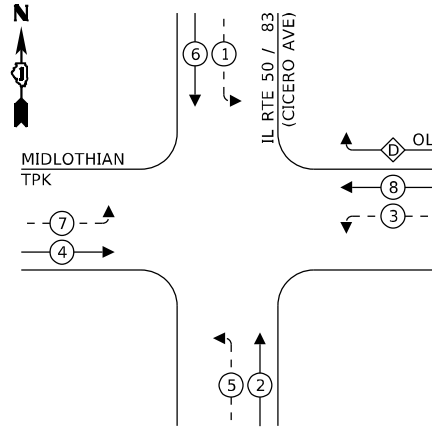
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
(STAGE 3)
IL RTE 50 / 83 (CICERO AVE) AND MIDLOTHIAN TPK**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 127
			CONTRACT NO. 62N85	
ILLINOIS FED. AID PROJECT				

**TS 2655
ECON 69**

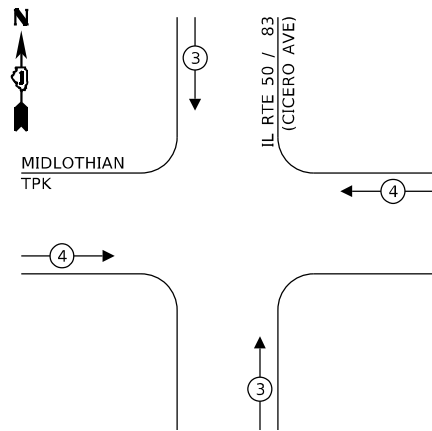
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

**TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



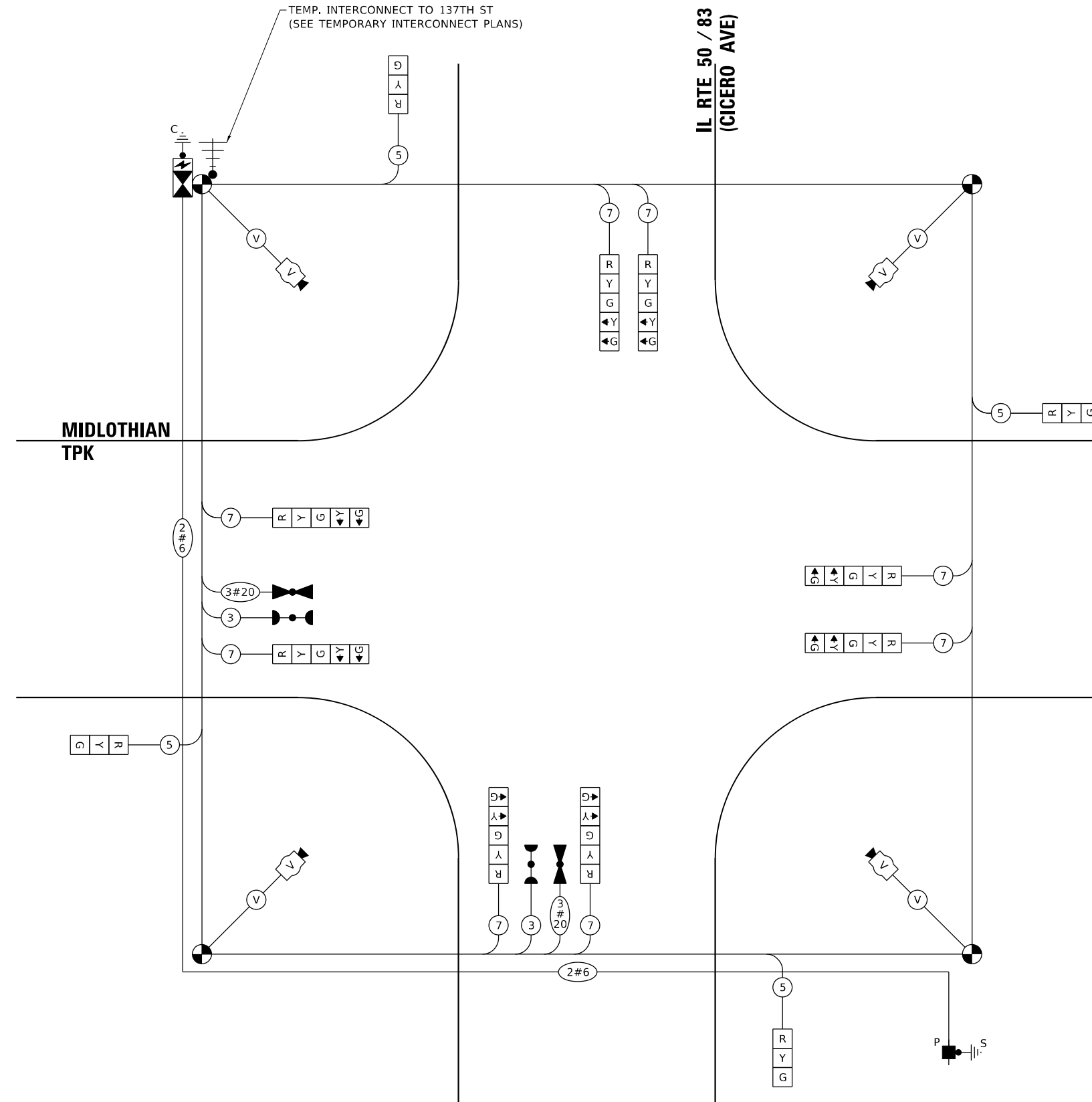
**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				283.8

ENERGY COSTS TO:

VILLAGE OF CRESTWOOD

ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: 03110-60036



TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 12

MODEL: D:\p4\h... FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - E:\IM\project_Work\CADD\DWG_2\1413 - IL50_Midlothian-135th-Cd_Sig\CADD_Sheets\21013_sht_1510.dwg



USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - A. FREEMAN	REVISED -
PLOT DATE = 2/25/2022	CHECKED - S. ADHIKARI	REVISED -
	DATE - 3/28/2022	REVISED -

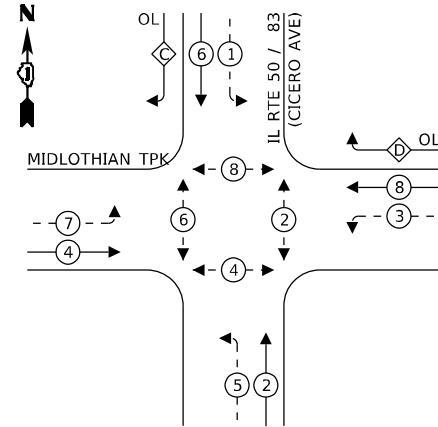
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 50 / 83 (CICERO AVE) AND MIDLOTHIAN TPK**

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 128
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

**TS 2655
ECON 69**

PROPOSED CONTROLLER SEQUENCE



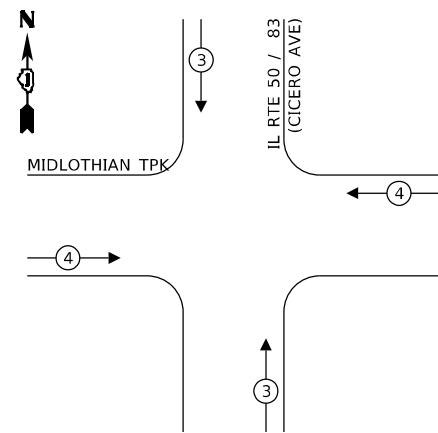
LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
C	= 6	+ 7
D	= 8	+ 1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	24	10	10	24.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				547.0

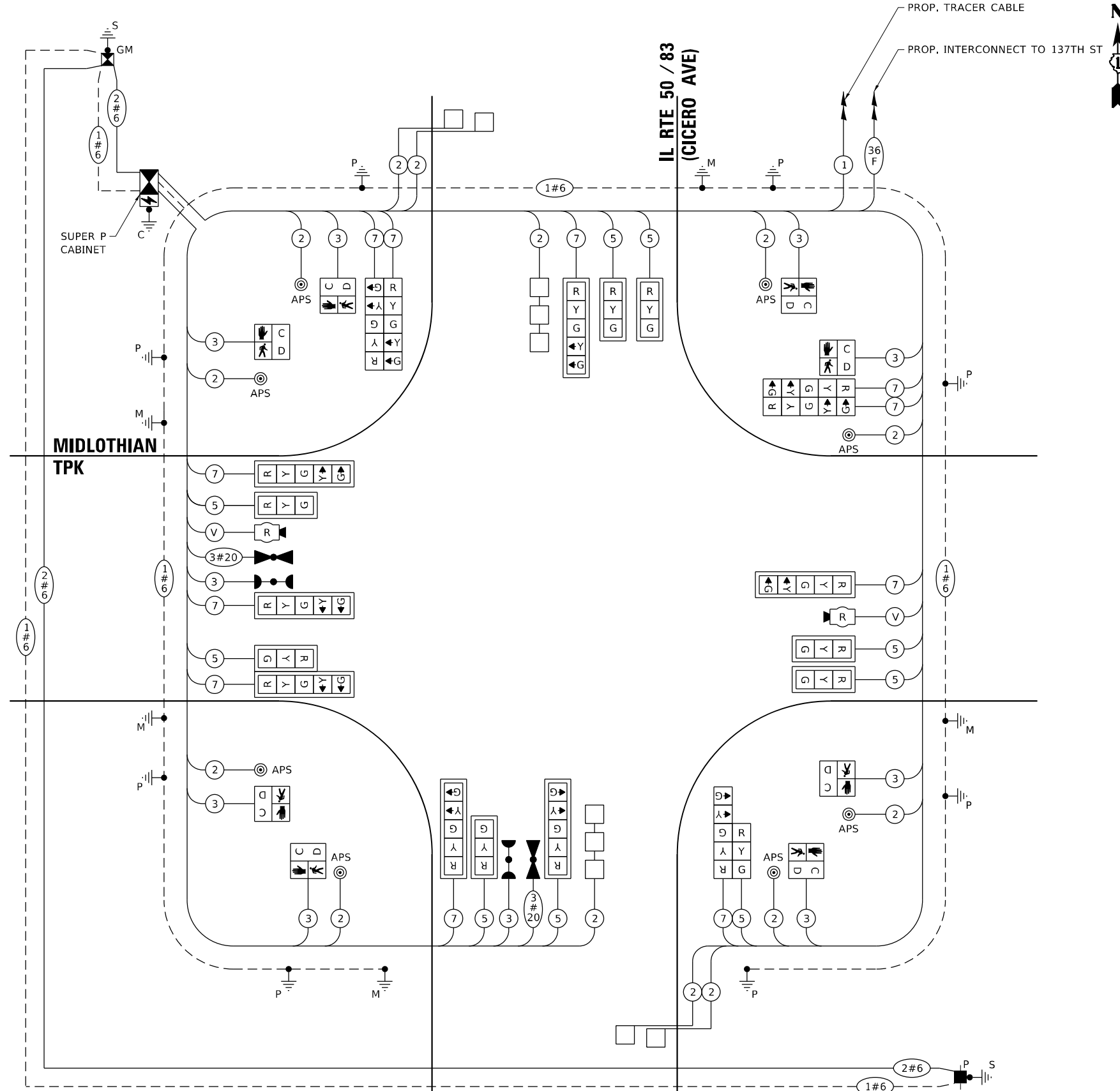
ENERGY COSTS TO:

VILLAGE OF CRESTWOOD

ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: 03110-60036

TranSmart
 100 South Wacker Drive Suite 400
 Chicago, Illinois 60606

USER NAME = A/freeman	DESIGNED - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - A. FREEMAN	REVISED -
PLOT DATE = 2/25/2022	CHECKED - S. ADHIKARI	REVISED -
	DATE - 3/28/2022	REVISED -



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 14

MODEL: D:\p\h\... FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - E:\projects\Work\CADD\NO 21-013 - IL 50 Midlothian-135th-Cd_Sig\CADD_Sheets\21-013_sht_1312.dwg

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE IL RTE 50 / 83 (CICERO AVE) AND MIDLOTHIAN TPK

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 130
CONTRACT NO. 62N85				

TS 2655
 ECON 69

ILLINOIS FED. AID PROJECT

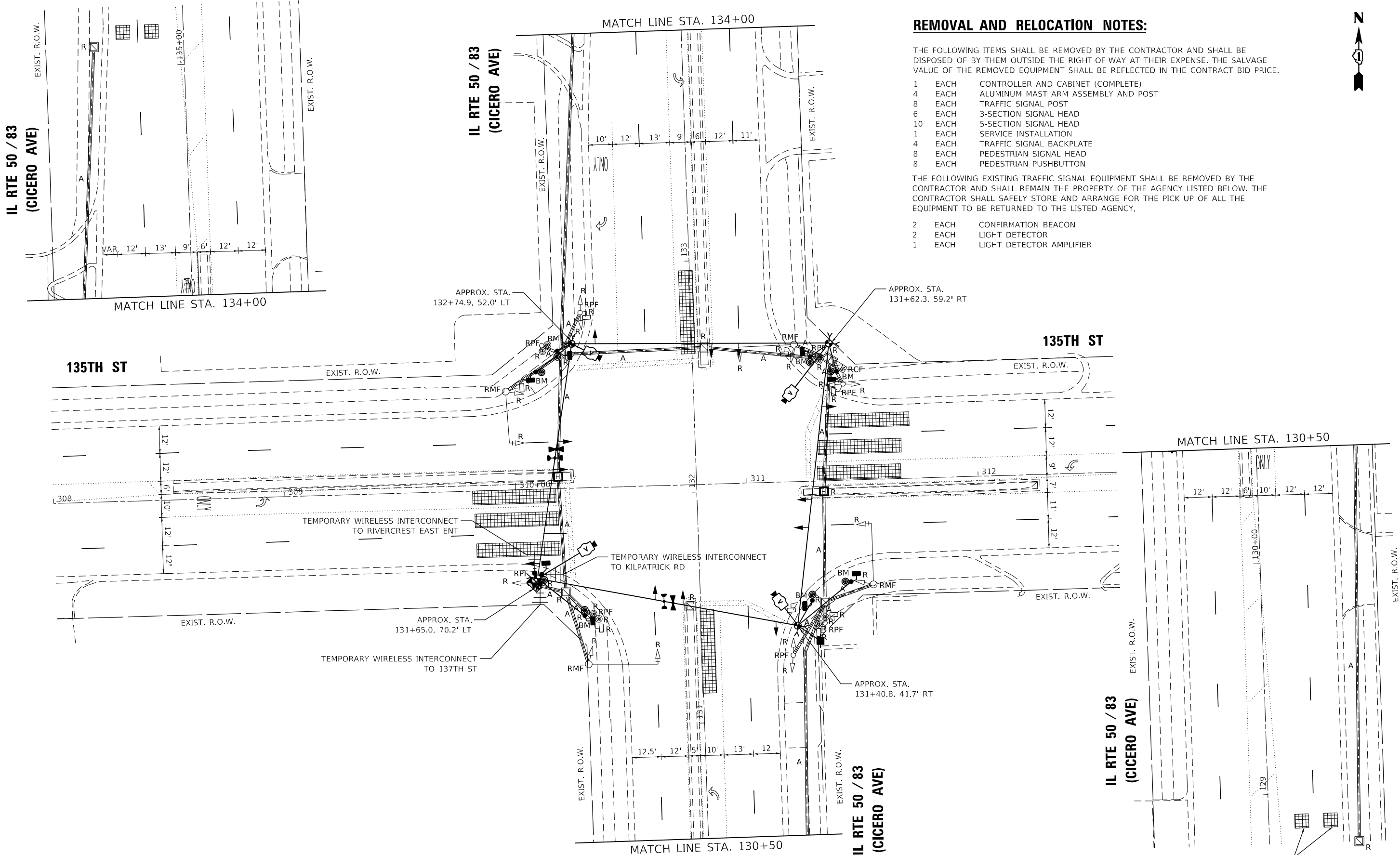
USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
DRAWN - A. FREEMAN	REVISIONS	
PLOT SCALE = 40,0000 * / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/23/2022	DATE - 3/28/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
 IL RTE 50 / 83 (CICERO AVE) AND 135TH ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 132
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

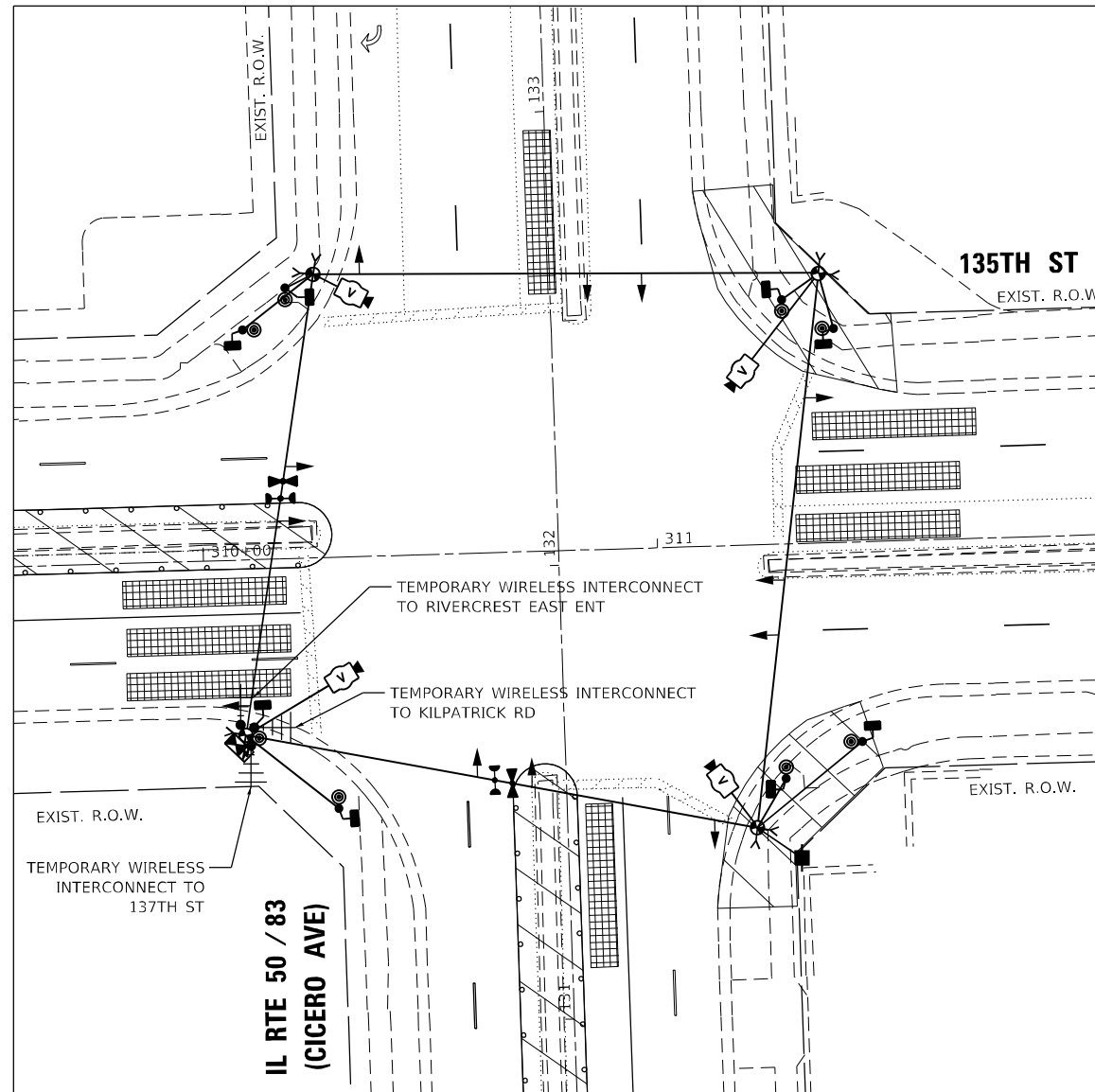
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 4 EACH ALUMINUM MAST ARM ASSEMBLY AND POST
- 8 EACH TRAFFIC SIGNAL POST
- 6 EACH 3-SECTION SIGNAL HEAD
- 10 EACH 5-SECTION SIGNAL HEAD
- 1 EACH SERVICE INSTALLATION
- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 8 EACH PEDESTRIAN PUSHBUTTON

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

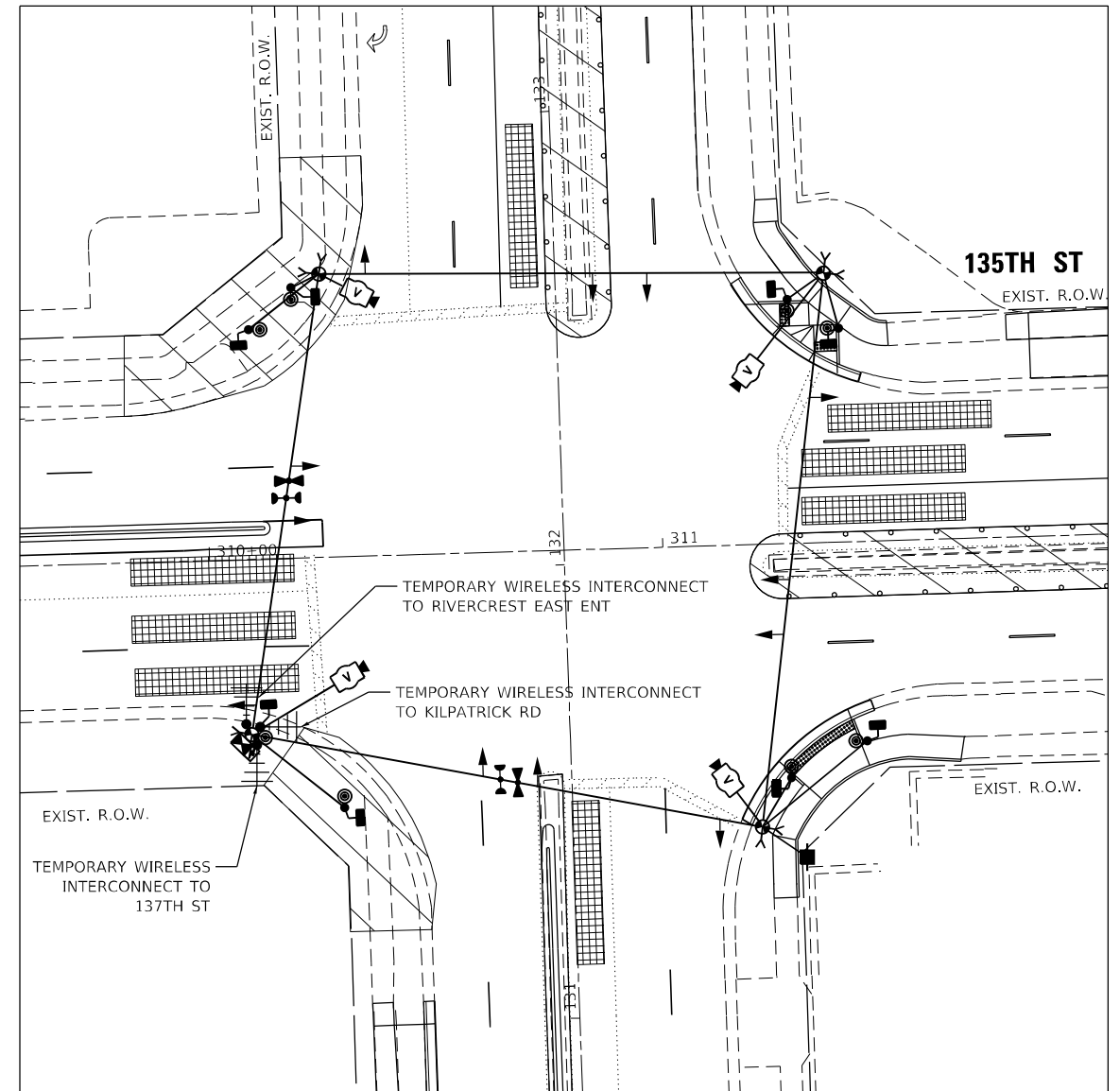
- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



SET FAR BACK VIDEO DETECTION ZONE 250' FROM STOP BAR FOR EACH MOT STAGE AS DIRECTED BY THE ENGINEER (TYP.)



**TEMPORARY SIGNAL LAYOUT
STAGE 1**



**TEMPORARY SIGNAL LAYOUT
STAGE 2**

TS SHT NO. 17

MODEL Path: \\... \E:\Projects\Work\CADD\21-1413 - IL 50_MidStation-135th-Cd_Sig\CADD_Sheets\21-1413_sht_15-14.dgn
FILE NAME: \\... \E:\Projects\Work\CADD\21-1413 - IL 50_MidStation-135th-Cd_Sig\CADD_Sheets\21-1413_sht_15-14.dgn

TranSmart
100 South Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
	DRAWN - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/23/2022	DATE - 3/28/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

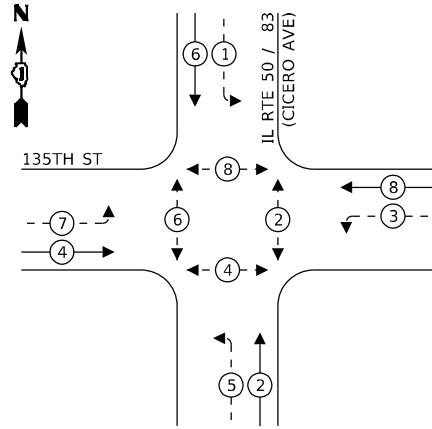
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
(STAGE 1 & 2)
IL RTE 50 / 83 (CICERO AVE) AND 135TH ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2019-006-N	COOK	167	133
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

**TS 2650
ECON 69**

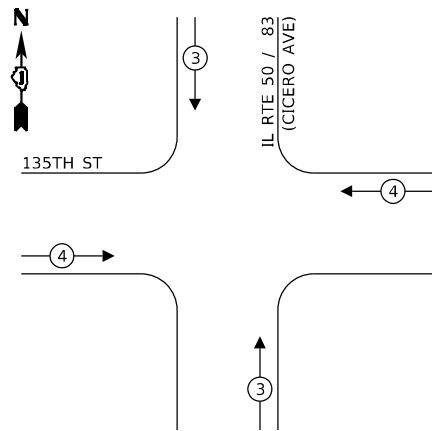
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				443.8

ENERGY COSTS TO:

VILLAGE OF CRESTWOOD

ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: 03110-60036

TS SHT NO. 18

MODEL: D:\p\h\... FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - E:\projects\Work\CADD\NO 21413 - IL 50 Midlothian-135th-Cd_Sig\CADD_Sheets\21413_sht_1815.dgn



USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - A. FREEMAN	REVISED -
PLOT DATE = 2/25/2022	CHECKED - S. ADHIKARI	REVISED -
	DATE - 3/28/2022	REVISED -

DESIGNED - A. FREEMAN	REVISED -
DRAWN - A. FREEMAN	REVISED -
CHECKED - S. ADHIKARI	REVISED -
DATE - 3/28/2022	REVISED -

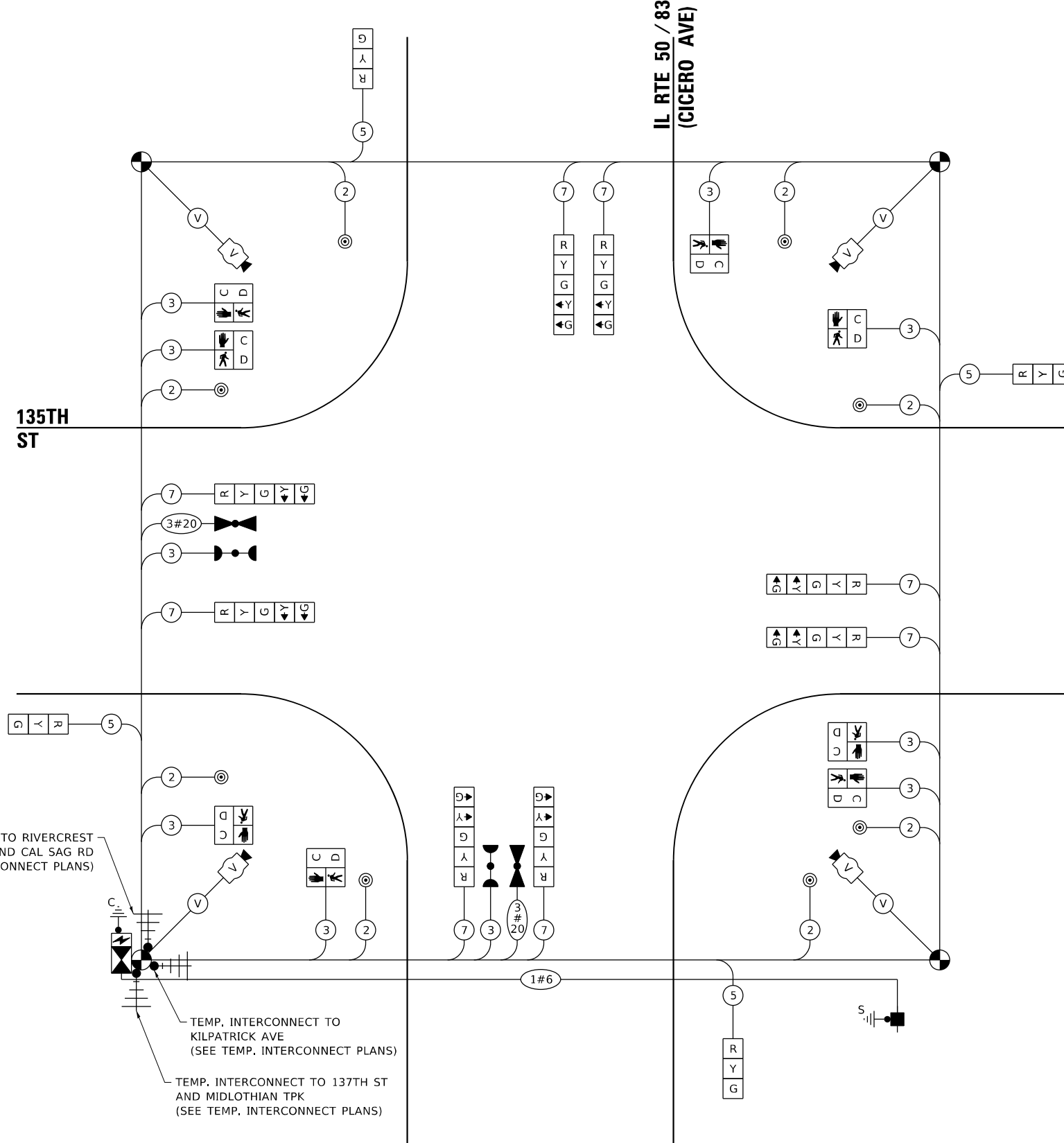
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN
(NOT TO SCALE)

TEMP. INTERCONNECT TO RIVERCREST EAST ENT. AND CAL SAG RD (SEE TEMP. INTERCONNECT PLANS)

TEMP. INTERCONNECT TO KILPATRICK AVE (SEE TEMP. INTERCONNECT PLANS)

TEMP. INTERCONNECT TO 137TH ST AND MIDLOTHIAN TPK (SEE TEMP. INTERCONNECT PLANS)

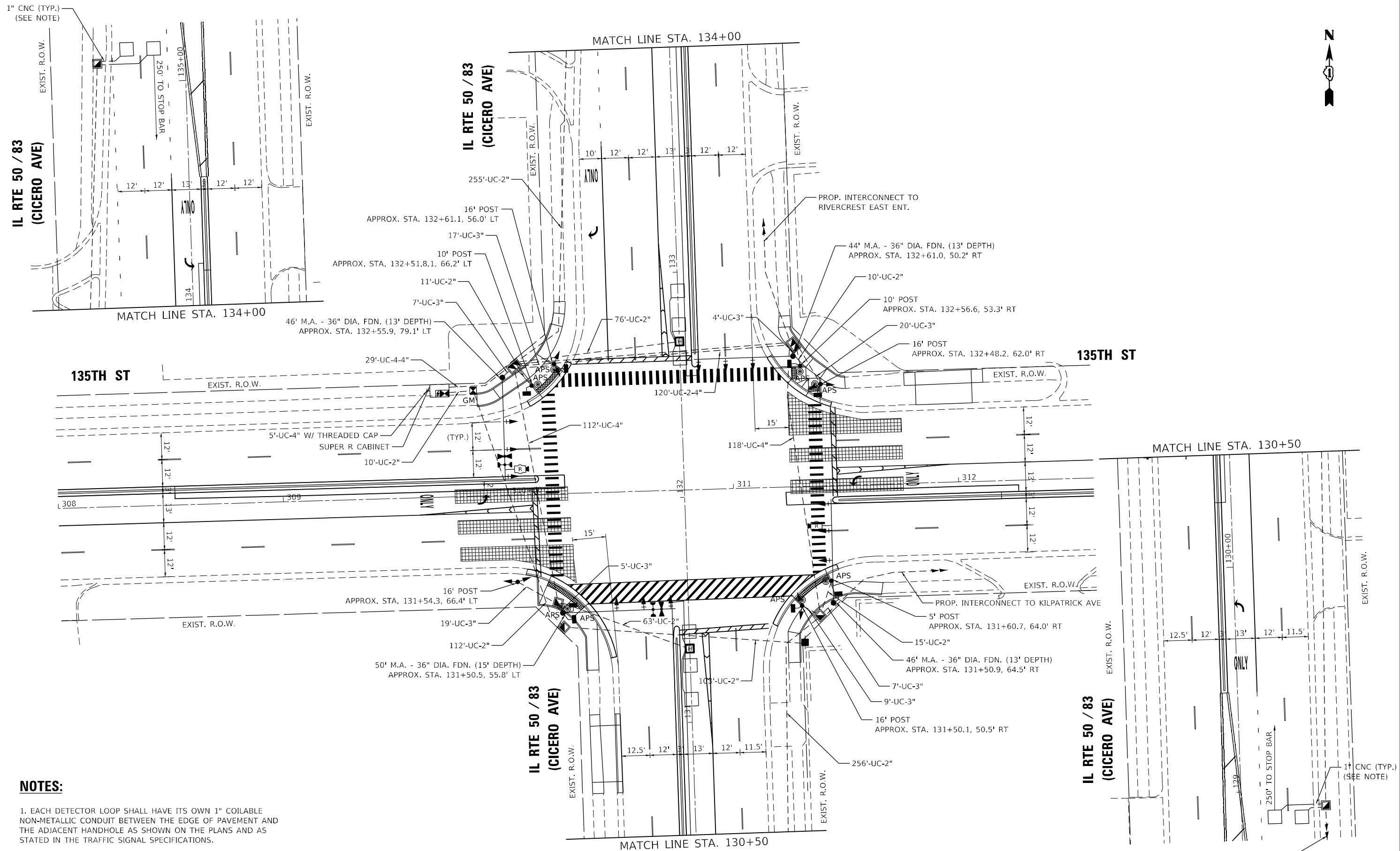


TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 50 / 83 (CICERO AVE) & 135TH ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2019-006-N	COOK	167	134
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

TS 2650
ECON 69



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" 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.
2. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.



USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
DRAWN - A. FREEMAN	REVISOR -	
PLOT SCALE = 40,0000' / in.	CHECKED - S. ADHIKARI	REVISOR -
PLOT DATE = 2/23/2022	DATE - 3/28/2022	REVISOR -

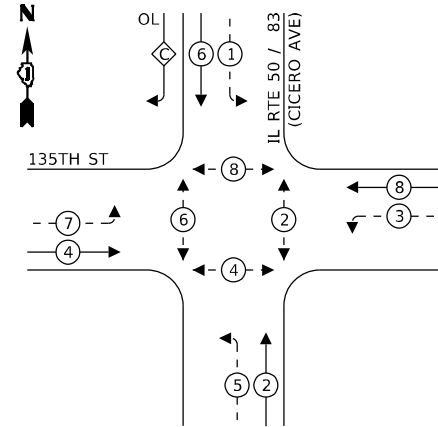
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN
 IL RTE 50 / 83 (CICERO AVE) AND 135TH ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 135
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE



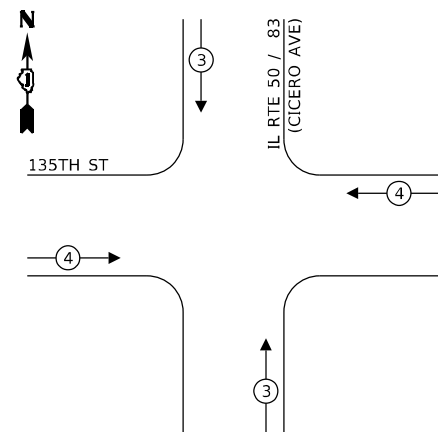
LEGEND:

- ←*→ PROTECTED PHASE
- ←-*- PROTECTED/PERMITTED PHASE
- ←*→ PEDESTRIAN PHASE
- ←*→ OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
C	= 6	+ 7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	20	10	10	20.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				543.0

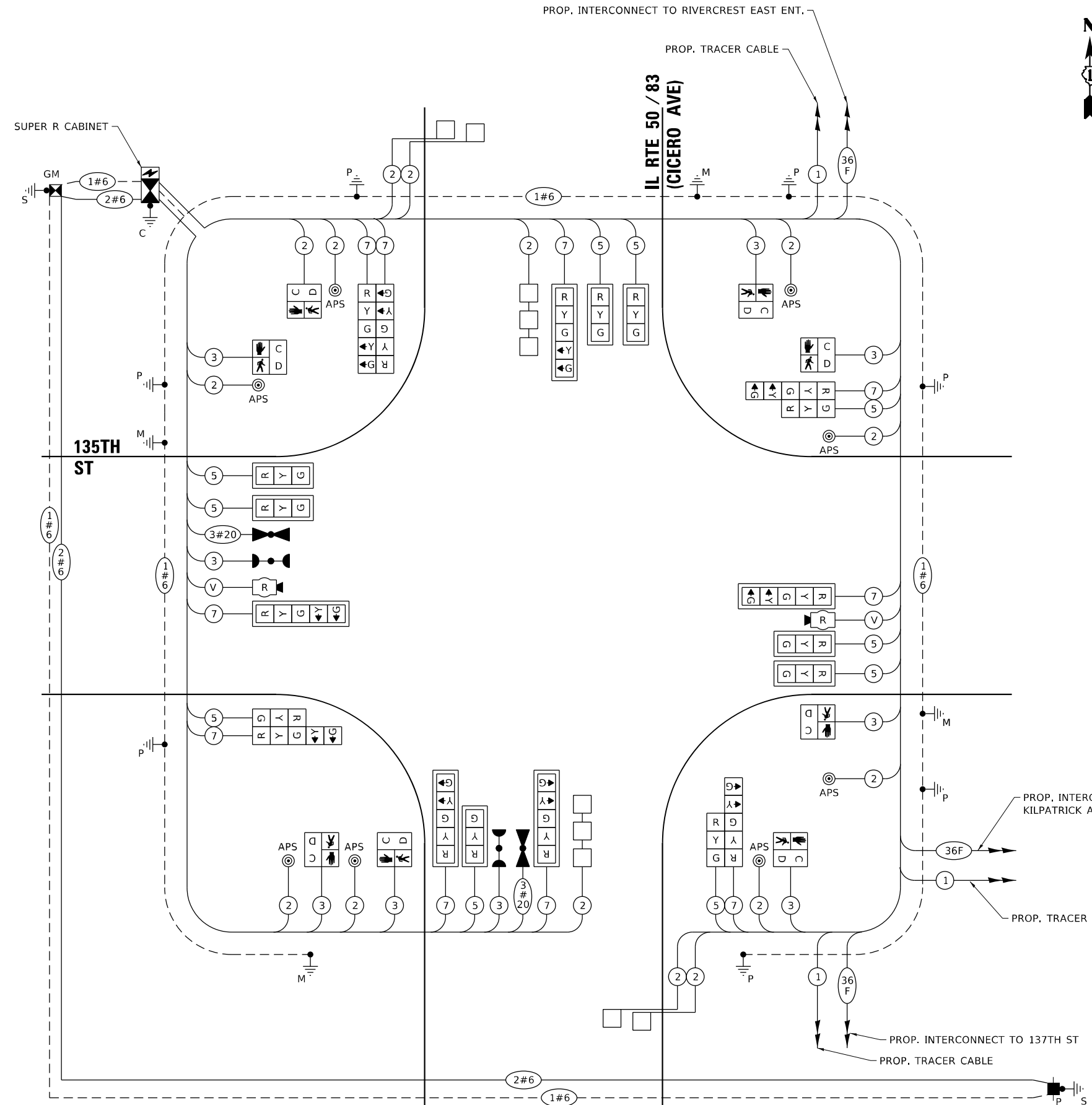
ENERGY COSTS TO:

VILLAGE OF CRESTWOOD

ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: 03110-60036

TranSmart
 100 South Wacker Drive Suite 400
 Chicago, Illinois 60606

USER NAME = A.Freeman	DESIGNED - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - A. FREEMAN	REVISED -
PLOT DATE = 2/25/2022	CHECKED - S. ADHIKARI	REVISED -
	DATE - 3/28/2022	REVISED -



CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 20

MODEL: D:\p\h\11... FILE NAME: S:\projects\1804... PROJECT: Work\CADD\135th-Cd... IL 50, Midland-135th-Cd... S:\CADD_Sheets\135th-Cd... S:\135th.dwg

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 50 / 83 (CICERO AVE) & 135TH ST

SCALE: SHEET OF SHEETS STA. TO STA.

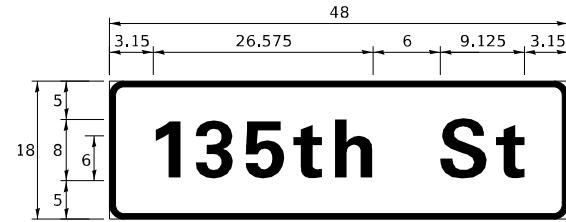
F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 136
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

TS 2650
ECON 69

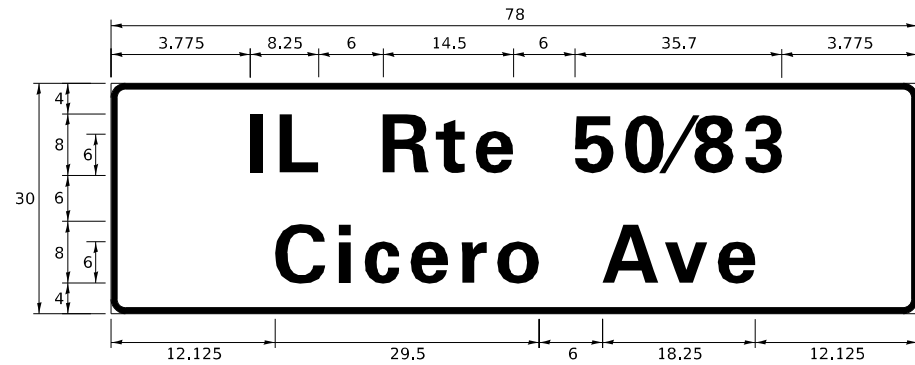
NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	6	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	16.25	2	ZZ	2

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	12
SIGN PANEL - TYPE 2	SQ FT	32.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	918
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	116
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	586
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,572
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,972
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,372
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,129
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,113
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	246
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	873
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	330
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
* TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	9
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	13
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	366
FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	EACH	12
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF CRESTWOOD

TS SHT NO. 21

MODEL Path: \\... TS SHT NO. 21.dgn



USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
PLOT SCALE = 39.9988 * / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/25/2022	DATE - 3/28/2022	REVISED -

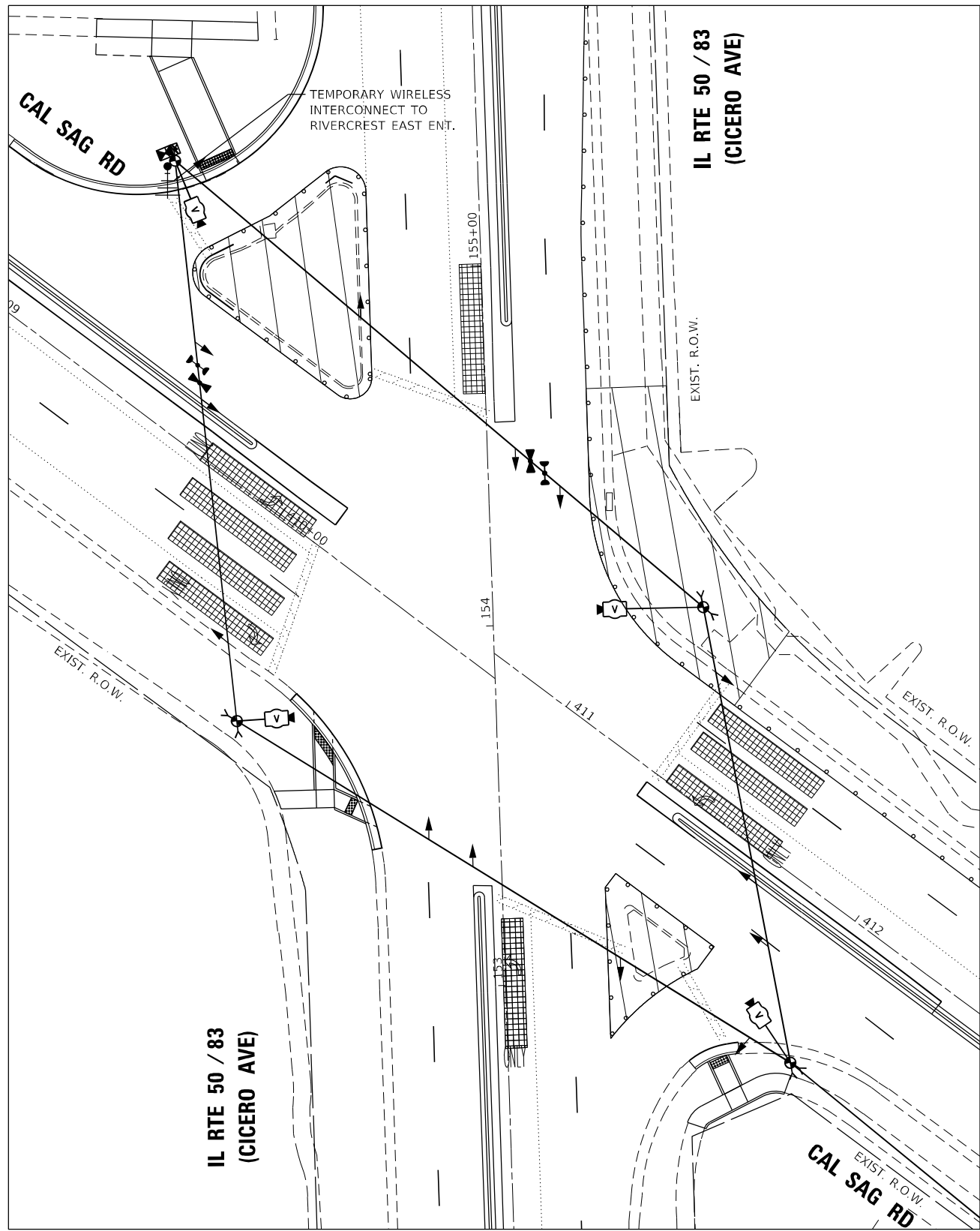
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
IL RTE 50 / 83 (CICERO AVE) AND 135TH ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2019-006-N	COOK	167	137
CONTRACT NO. 62N85				
		ILLINOIS	FED. AID PROJECT	

**TS 2650
ECON 69**



TEMPORARY SIGNAL LAYOUT
STAGE 3



USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
	DRAWN - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/23/2022	DATE - 3/28/2022	REVISED -

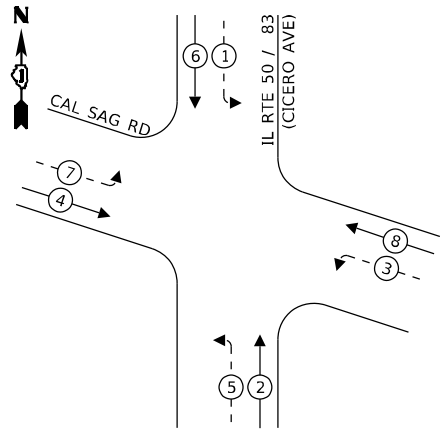
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 (STAGE 3)
 IL RTE 50 / 83 (CICERO AVE) AND CAL SAG RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 140
			CONTRACT NO. 62N85	
		ILLINOIS FED. AID PROJECT		

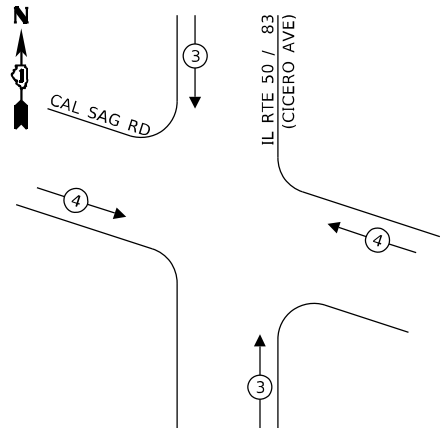
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * → OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMP. INTERCONNECT TO RIVERCREST EAST ENT. (SEE TEMP. INTERCONNECT PLANS)

CAL SAG ROAD

IL RTE 50 / 83 (CICERO AVE)

TEMPORARY CABLE PLAN
(NOT TO SCALE)

MODEL: D:\data\... FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - E:\IM\project\work\CADD\135th-Cal_Sag\CADD_Sheets\21013_dht_1520.dgn

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				307.5

ENERGY COSTS TO:
VILLAGE OF CRESTWOOD

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: _____
ACCOUNT NUMBER: 03110-60036

TS SHT NO. 25

**TS 2645
ECON 69**



USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 * / in.	DRAWN - A. FREEMAN	REVISED -
PLOT DATE = 2/25/2022	CHECKED - S. ADHIKARI	REVISED -
	DATE - 3/28/2022	REVISED -

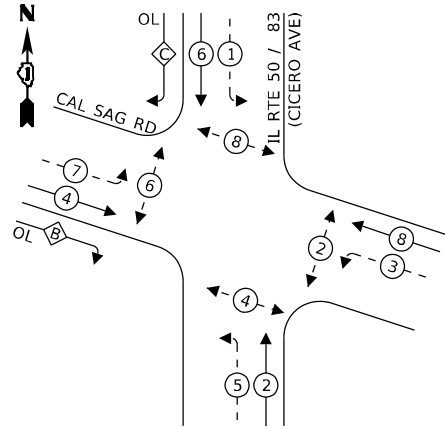
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 50 / 83 (CICERO AVE) & CAL SAG RD**

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 141
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

PROPOSED CONTROLLER SEQUENCE



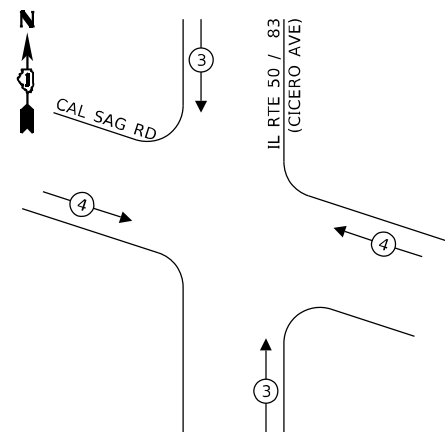
LEGEND:

- ← * → PROTECTED PHASE
- ← * - - * → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
C	= 6	+ 7

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



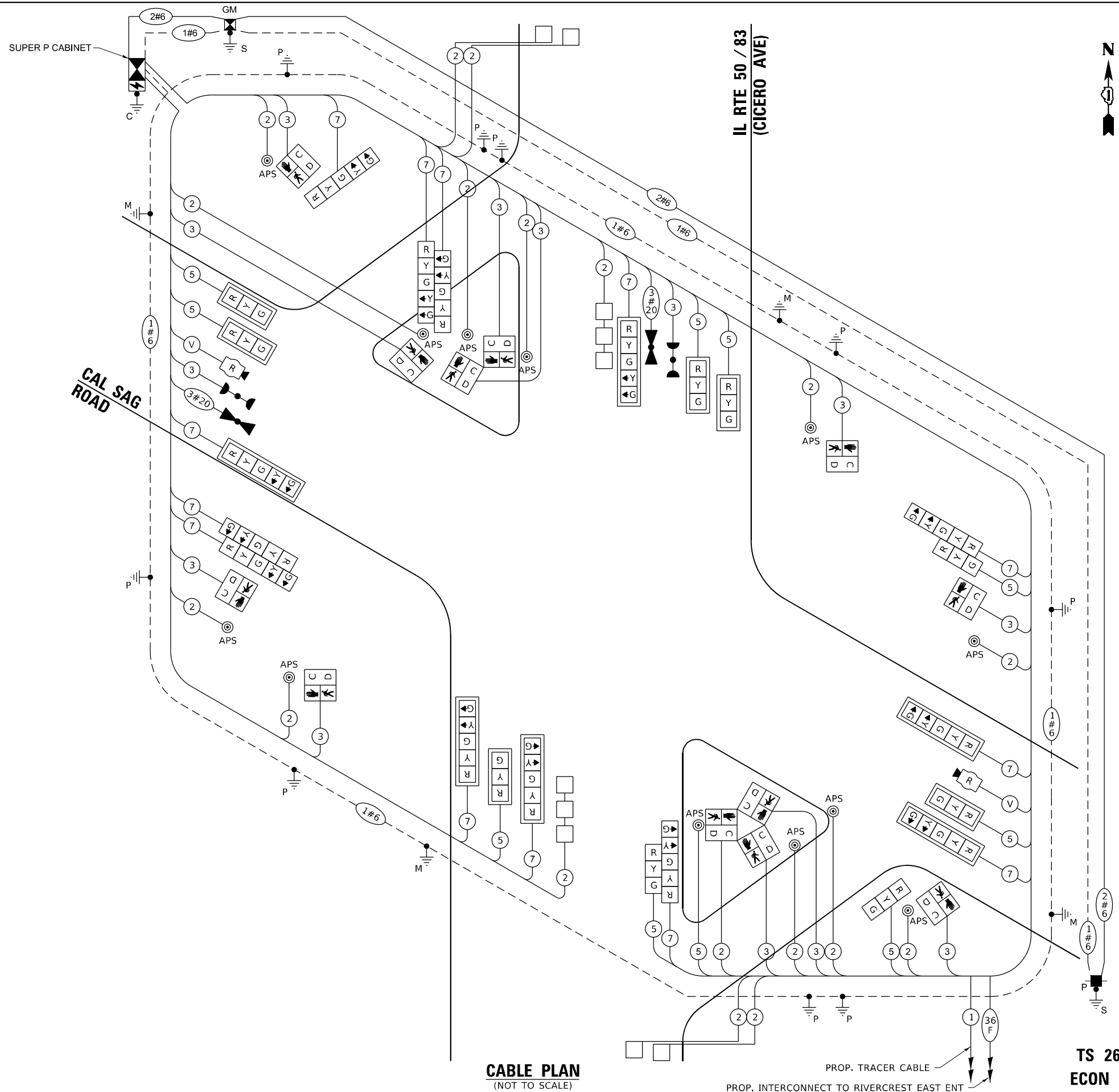
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	22	11	50	121.0
(YELLOW)	22	20	5	22.0
(GREEN)	22	12	45	118.8
PERMISSIVE ARROW	26	10	10	26.0
PED. SIGNAL	12	20	100	240.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				652.8

ENERGY COSTS TO:

VILLAGE OF CRESTWOOD

ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: _____
 ACCOUNT NUMBER: 03110-60036



CABLE PLAN
(NOT TO SCALE)

PROP. TRACER CABLE

PROP. INTERCONNECT TO RIVERCREST EAST ENT

TS SHT NO. 27

MODEL: D:\info\... FILE NAME: S:\projects\1804... PROJECT: Work\CA00000_2\1413... IL 50_Midwest\135th-Cal_Sag\CA000_Sheets\21013_sht_1522.dwg

Transmart
100 South Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 */ in.	DRAWN - A. FREEMAN	REVISED -
PLOT DATE = 2/25/2022	CHECKED - S. ADHIKARI	REVISED -
	DATE - 3/28/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL RTE 50 / 83 (CICERO AVE) & CAL SAG RD**

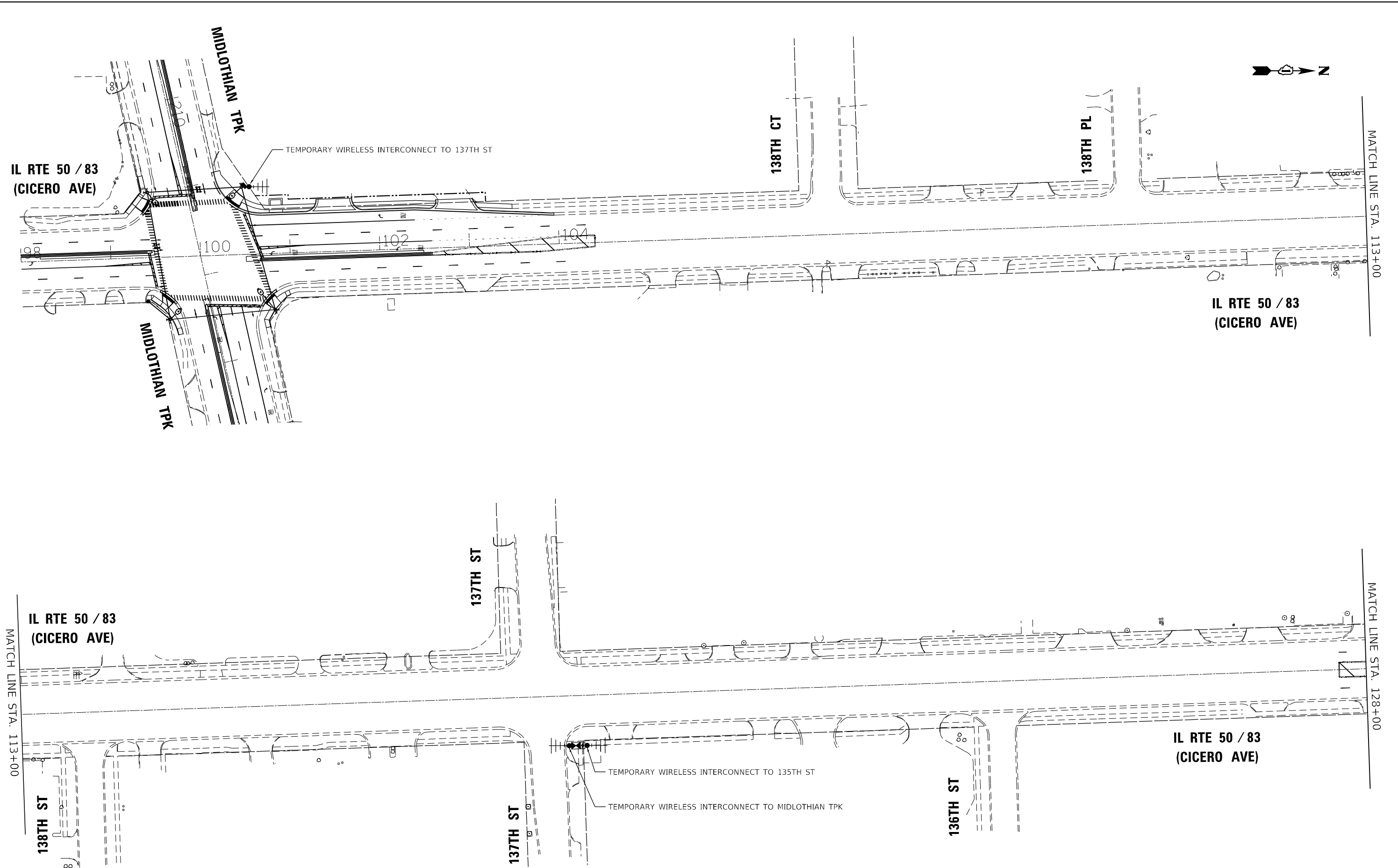
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 143
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

**TS 2645
ECON 69**

TS SHT NO. 29

MODEL Path: \\...
 FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - E:\project\work\CADD\WD_21-013 - IL50_Midlothian-135th-Cal_Sag\CADD_Sheets\21-013_sht_29.dgn



TranSmart
 100 South Wacker Drive Suite 400
 Chicago, Illinois 60606

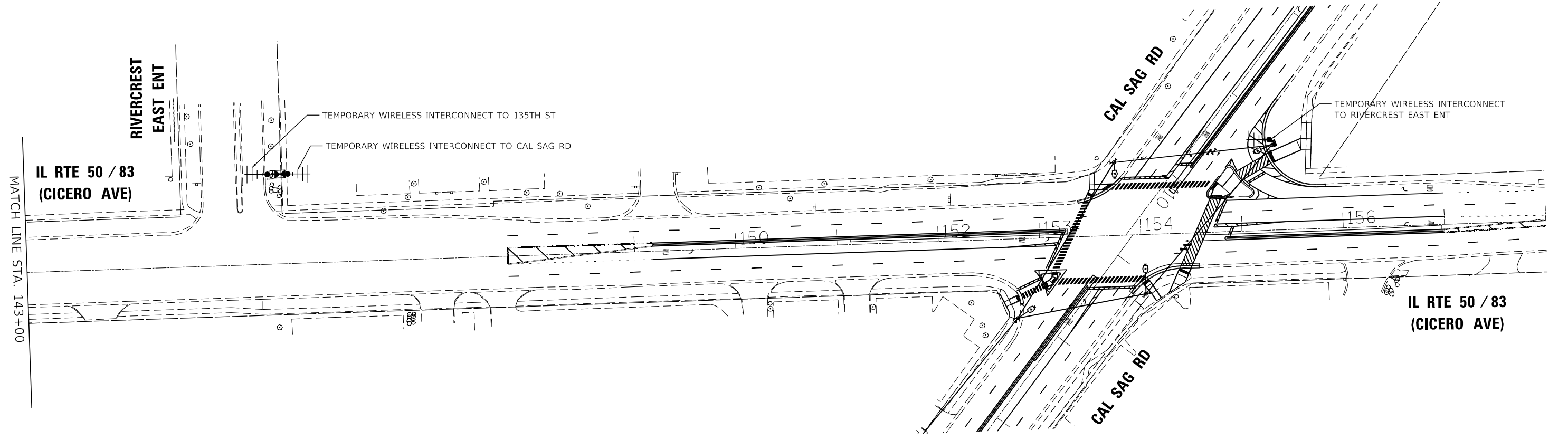
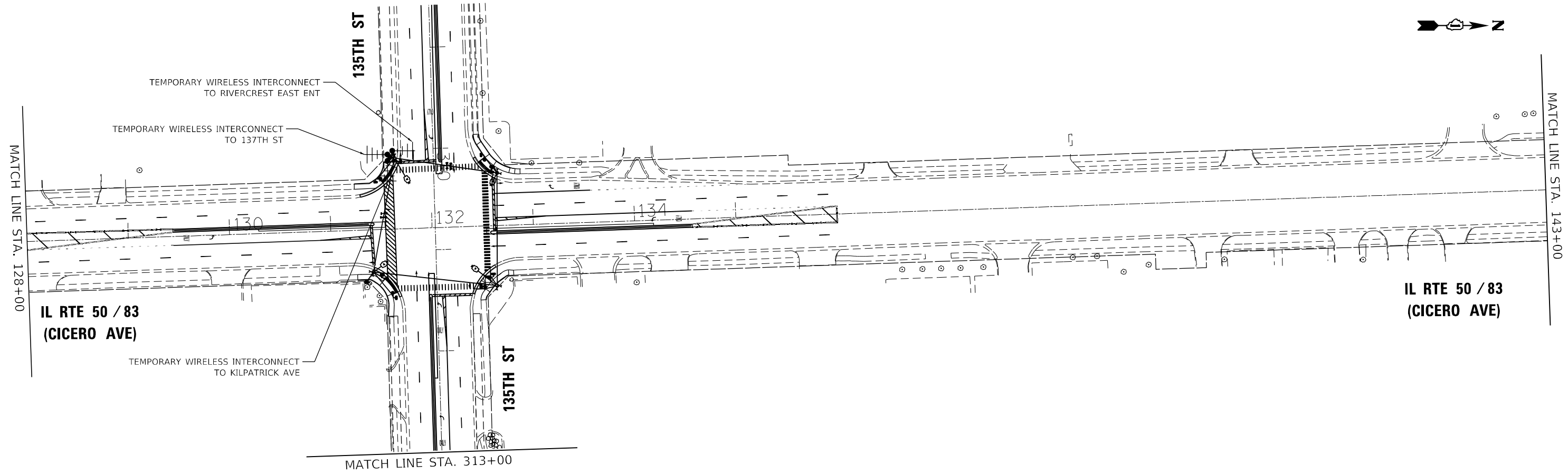
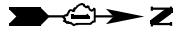
USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
	DRAWN - A. FREEMAN	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/25/2022	DATE - 3/28/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN
 IL RTE 50 / 83 (CICERO AVE)
 MIDLOTHIAN TPK TO CAL SAG RD (1 OF 3)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2019-006-N	COOK	167	145
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

ECON 69



TS SHT NO. 30

MODEL: D:\p11\1104\1104\1104.dwg
 FILE NAME: S:\projects\1104 - IDOT Traffic Signal Design - EJMP\project\work\CADD\WD_2-1413 - IL 50_Midlothian-135th-Cal_Sag\CADD_Sheet2-1413.dwg_1525.dgn

TransSmart
 100 South Wacker Drive Suite 400
 Chicago, Illinois 60606

USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
DRAWN - A. FREEMAN	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/25/2022	DATE - 3/28/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

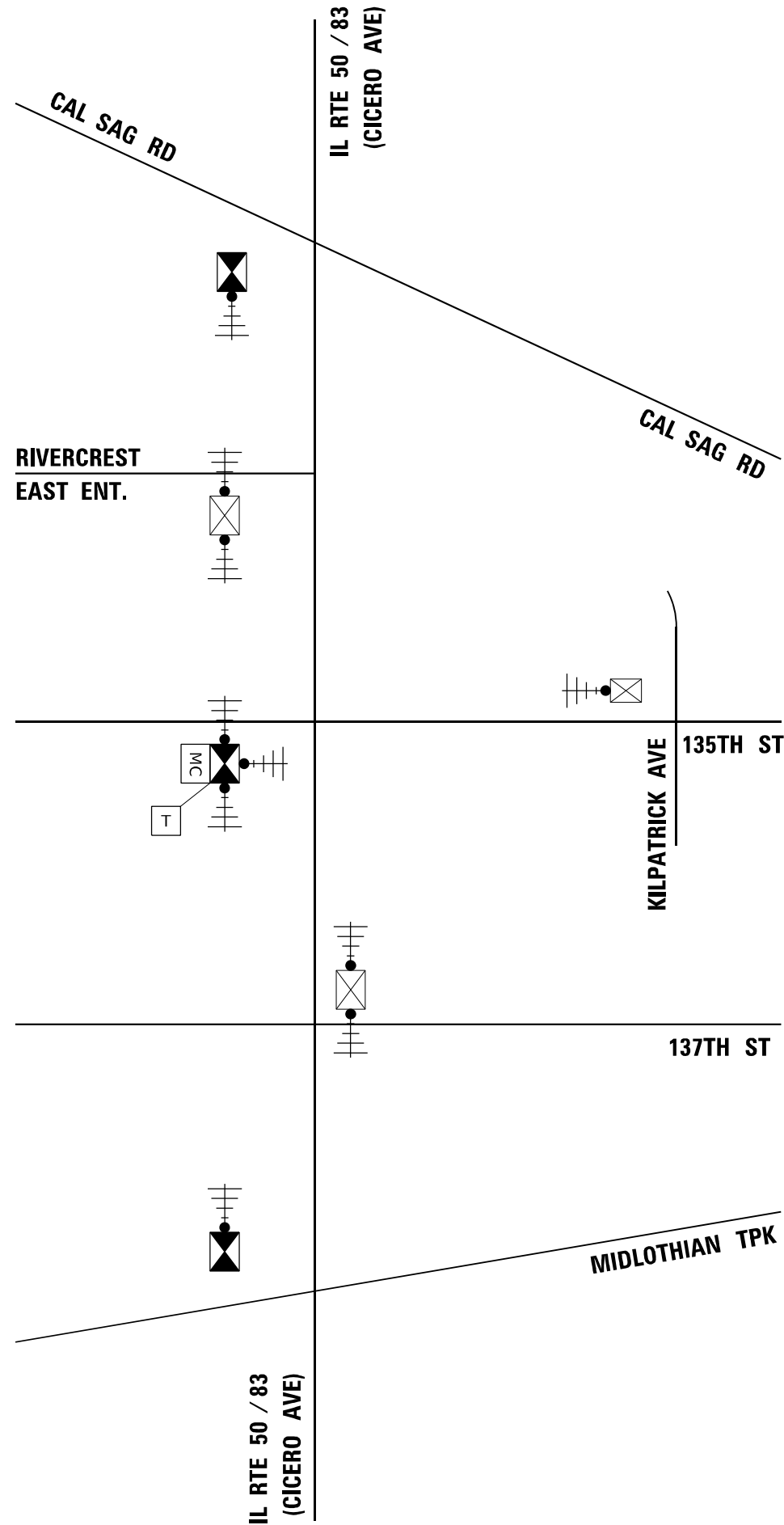
TEMPORARY INTERCONNECT PLAN			
IL RTE 50 / 83 (CICERO AVE)			
MIDLOTHIAN TPK TO CAL SAG RD (2 OF 3)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 146
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

ECON 69

NOTES:

1. THE CONSULTANT WILL DETERMINE THE LOCATION OF THE SYSTEM DETECTORS.



TS SHT NO. 32

MODEL Path: \\s:\projects\1804 - IDOT Traffic Signal Design - E:\M\project - Work\CADD\WG_21-013 - IL50_Midlothian-135th-Cal_Sag\CADD_Sheets\21-013_sht_32.dgn
FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - E:\M\project - Work\CADD\WG_21-013 - IL50_Midlothian-135th-Cal_Sag\CADD_Sheets\21-013_sht_32.dgn



USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
	DRAWN - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/25/2022	DATE - 3/28/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC
IL RTE 50 / 83 (CICERO AVE)
MIDLOTHIAN TPK TO CAL SAG RD

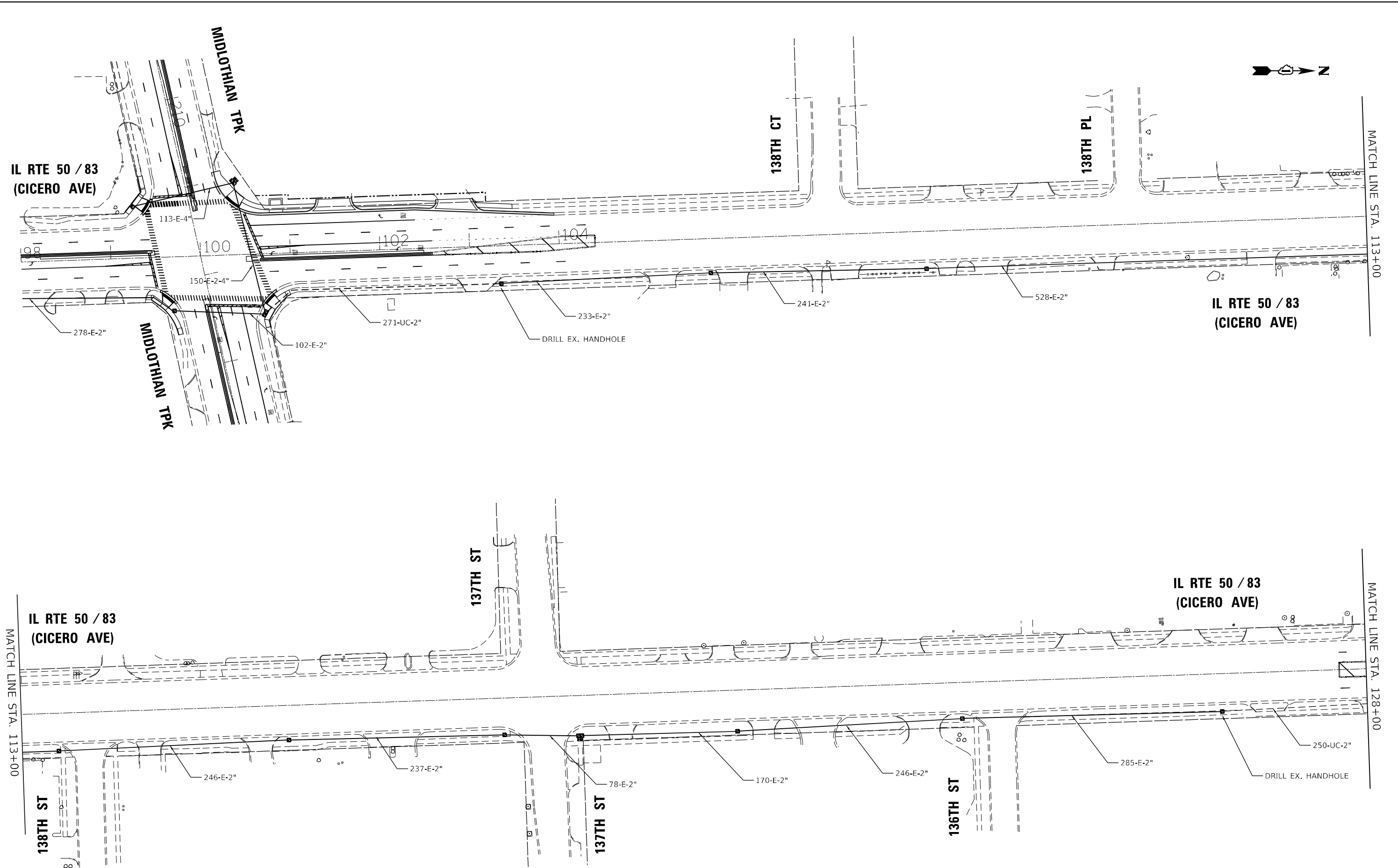
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2019-006-N	COOK	167	148
				CONTRACT NO. 62N85
ILLINOIS FED. AID PROJECT				

ECON 69

TS SHT NO. 33

MODEL Path: \\...
 FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - E:\project\work\CADD\WD_21-013 - IL50_Midlothian-135th-CdL_Sig\CADD_Sheets\21-013_sht_3328.dgn



MATCH LINE STA. 113+00

MATCH LINE STA. 113+00

MATCH LINE STA. 128+00

TranSmart
 100 South Wacker Drive Suite 400
 Chicago, Illinois 60606

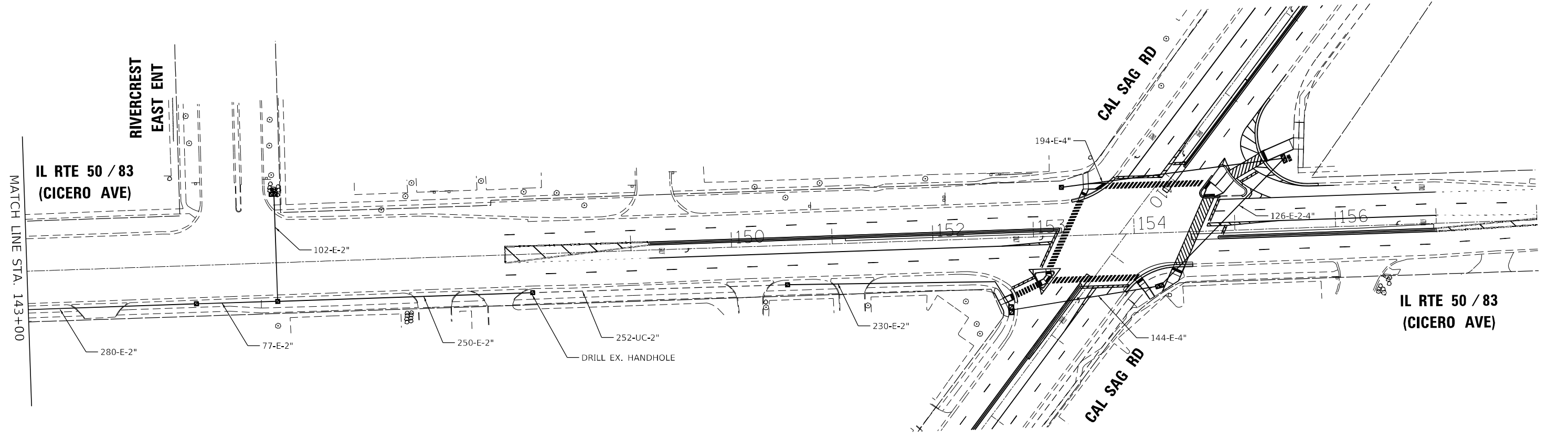
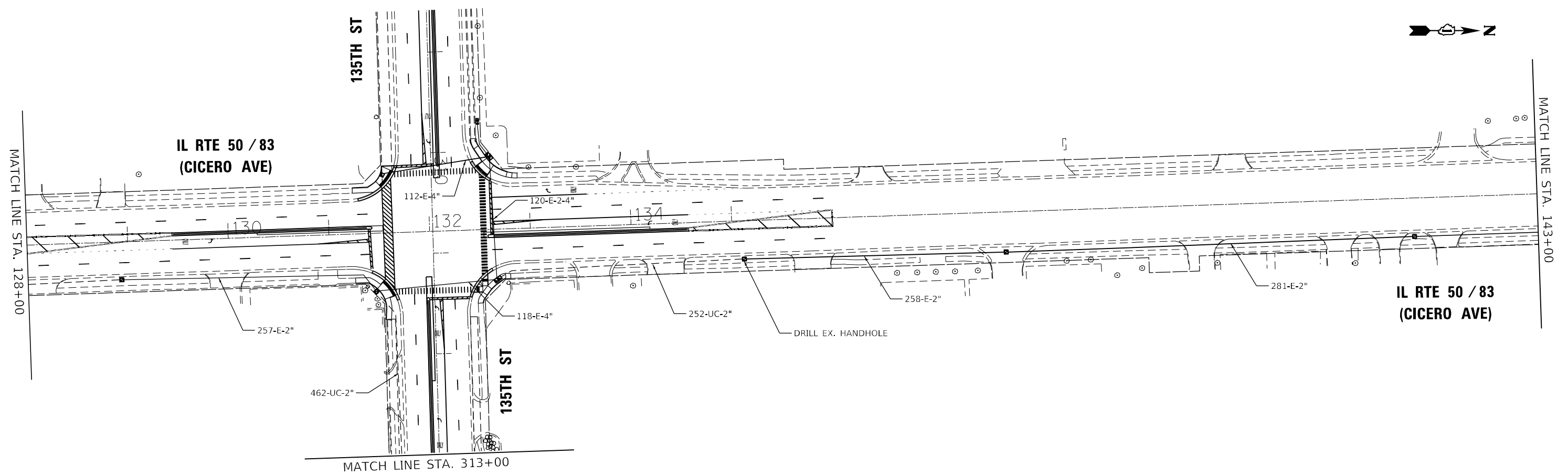
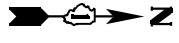
USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
DRAWN - A. FREEMAN	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/25/2022	DATE - 3/28/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
 IL RTE 50 / 83 (CICERO AVE)
 MIDLOTHIAN TPK TO CAL SAG RD (1 OF 3)**

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 149
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

ECON 69



TS SHT NO. 34

MODEL: D:\p\h\l... FILE NAME: S:\projects\1804... PROJECT: Work\CADD\WG... 21-1413... IL 50... 135TH-CAL_Sag\CADD_Sheets\21-1413_sht_34.dwg

TranSmart
100 South Wacker Drive Suite 400
Chicago, Illinois 60606

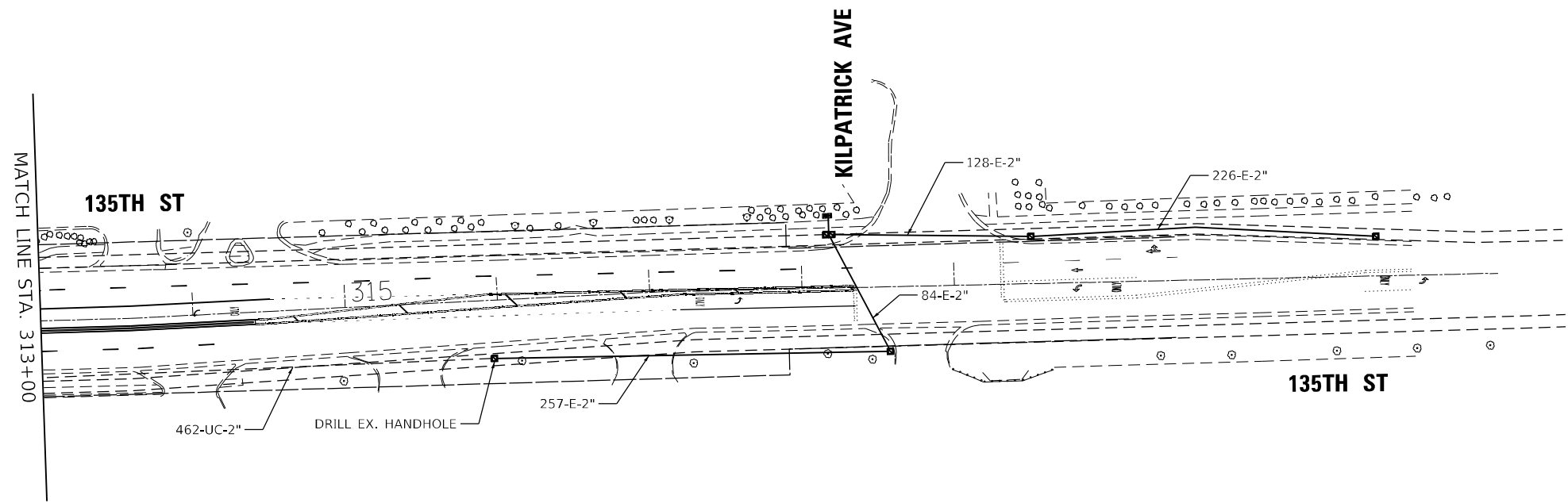
USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
	DRAWN - A. FREEMAN	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/25/2022	DATE - 3/28/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN
IL RTE 50 / 83 (CICERO AVE)
MIDLOTHIAN TPK TO CAL SAG RD (2 OF 3)**

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 150
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				

ECON 69



TS SHT NO. 35

MODEL Path: \\s:\projects\1804 - IDOT Traffic Signal Design - E:\project - Work\CADD\135th-Cd - S\1\CADD_Sheets\219_13_sht_3530.dgn
FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - E:\project - Work\CADD\135th-Cd - S\1\CADD_Sheets\219_13_sht_3530.dgn

TranSmart
100 South Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
	DRAWN - A. FREEMAN	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/25/2022	DATE - 3/28/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

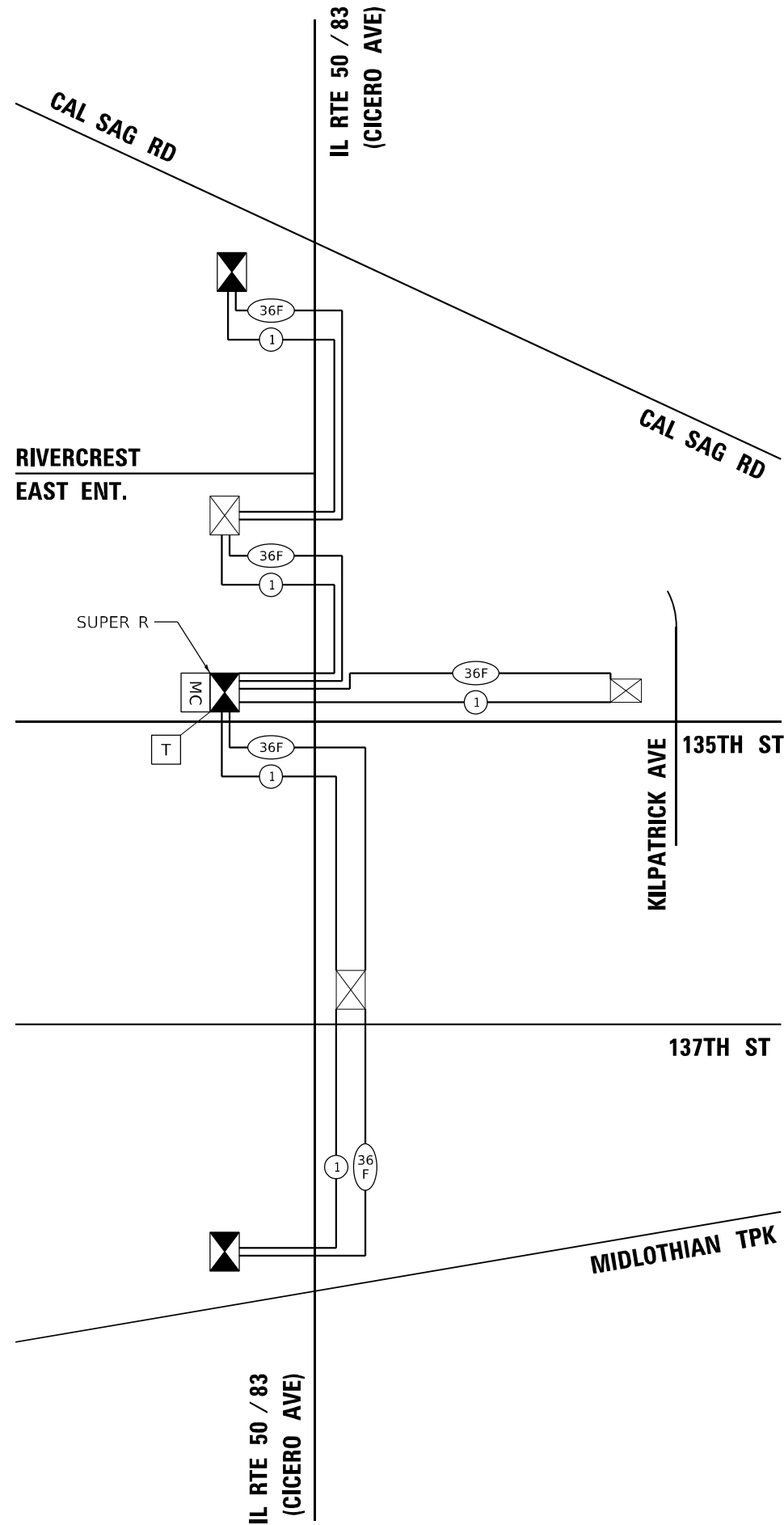
PROPOSED INTERCONNECT PLAN IL RTE 50 / 83 (CICERO AVE) MIDLOTHIAN TPK TO CAL SAG RD (3 OF 3)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2019-006-N	COOK	167	151
				CONTRACT NO. 62N85
ILLINOIS FED. AID PROJECT				

ECON 69

NOTES:

1. THE CONSULTANT WILL DETERMINE THE LOCATION OF THE SYSTEM DETECTORS.



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1487
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3
TRANSCEIVER - FIBER OPTIC	EACH	3
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	7000
DRILL EXISTING HANDHOLE	EACH	5
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	14000
* ROD AND CLEAN EXISTING CONDUIT	FOOT	5800
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	7000
RELOCATE EXISTING MASTER CONTROLLER	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	6

*NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER

TS SHT NO. 36

MODEL Path: \\... \Projects\1804 - IDOT Traffic Signal Design - E:\M\Project Work\CADD\135th-Cd - Sgn\CADD_Sheets\21013_sht_3531.dgn



USER NAME = A\Freeman	DESIGNED - A. FREEMAN	REVISED -
	DRAWN - A. FREEMAN	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - S. ADHIKARI	REVISED -
PLOT DATE = 2/25/2022	DATE - 3/28/2022	REVISED -

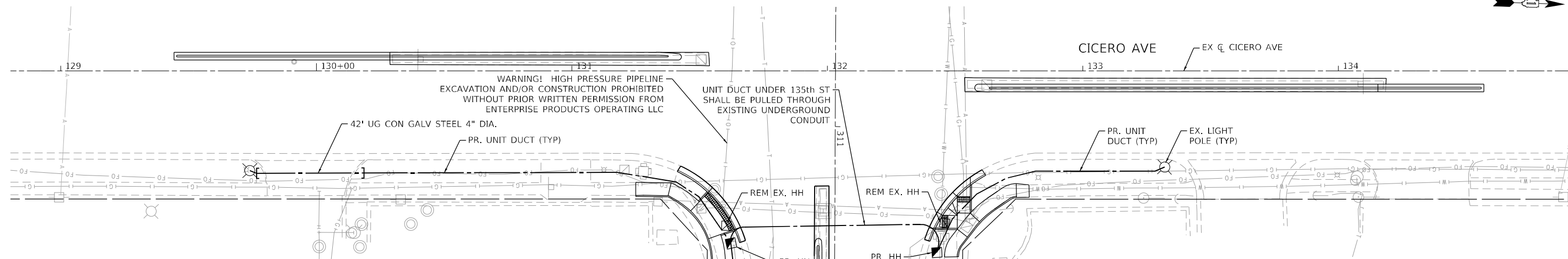
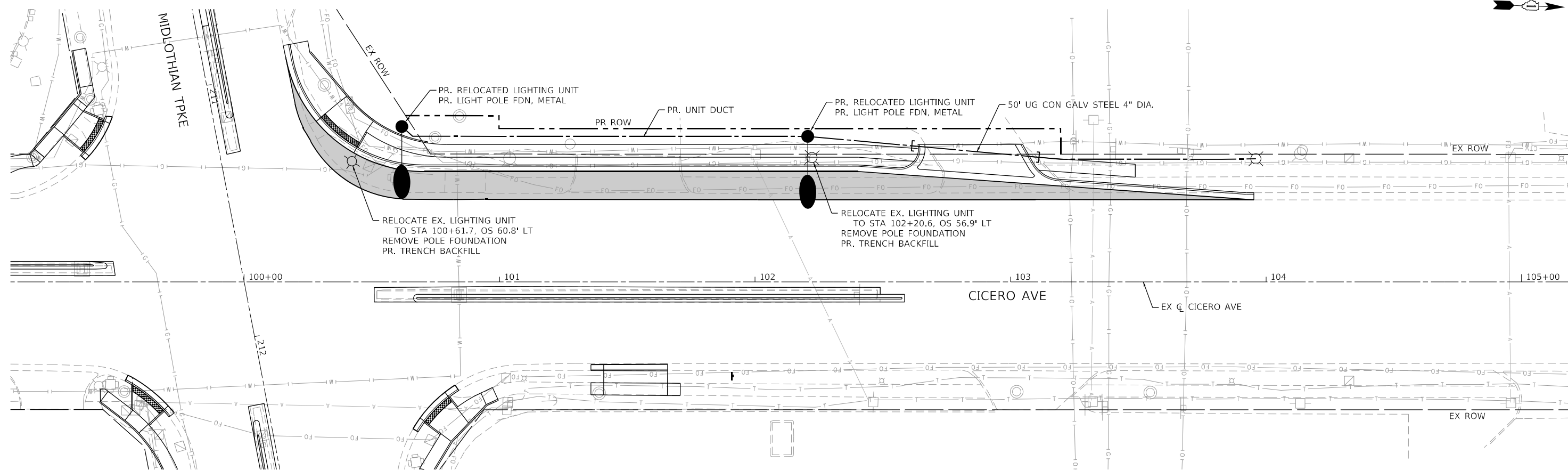
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
IL RTE 50 / 83 (CICERO AVE)
MIDLOTHIAN TPK TO CAL SAG RD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 2019-006-N	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 152
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N85	

ECON 69



BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
TRENCH BACKFILL	CU YD	2
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	92
HANDHOLE	EACH	2
UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	770
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6"	EACH	2
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	2
REMOVAL OF POLE FOUNDATION	EACH	2
RELOCATE EXISTING LIGHTING UNIT	EACH	2
REMOVE EXISTING HANDHOLE	EACH	2

NOTES:

1. PR. LIGHT POLES SHALL BE SET BACK MINIMUM 3 FT. FROM EDGE OF PROP. SIDEWALK TO CENTER OF LIGHT POLE.
2. SPLICE WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE OF "RELOCATE EX. LIGHTING UNIT" AND/OR "HANDHOLES" PAY ITEMS.
3. THE CONTRACTOR SHALL RELOCATE EX. LIGHT POLES DURING DAYTIME HOURS ONLY AND SHALL ENSURE THAT AT NO TIME WILL THE LEVEL OF ROADWAY LIGHTING BE REDUCED DURING NIGHTTIME HOURS.

MODEL: Default
 FILE NAME: V:\195-000_EPK_Mean.D1_VACADD_Sheet1D1ENRMS_ept_lighting.dgn



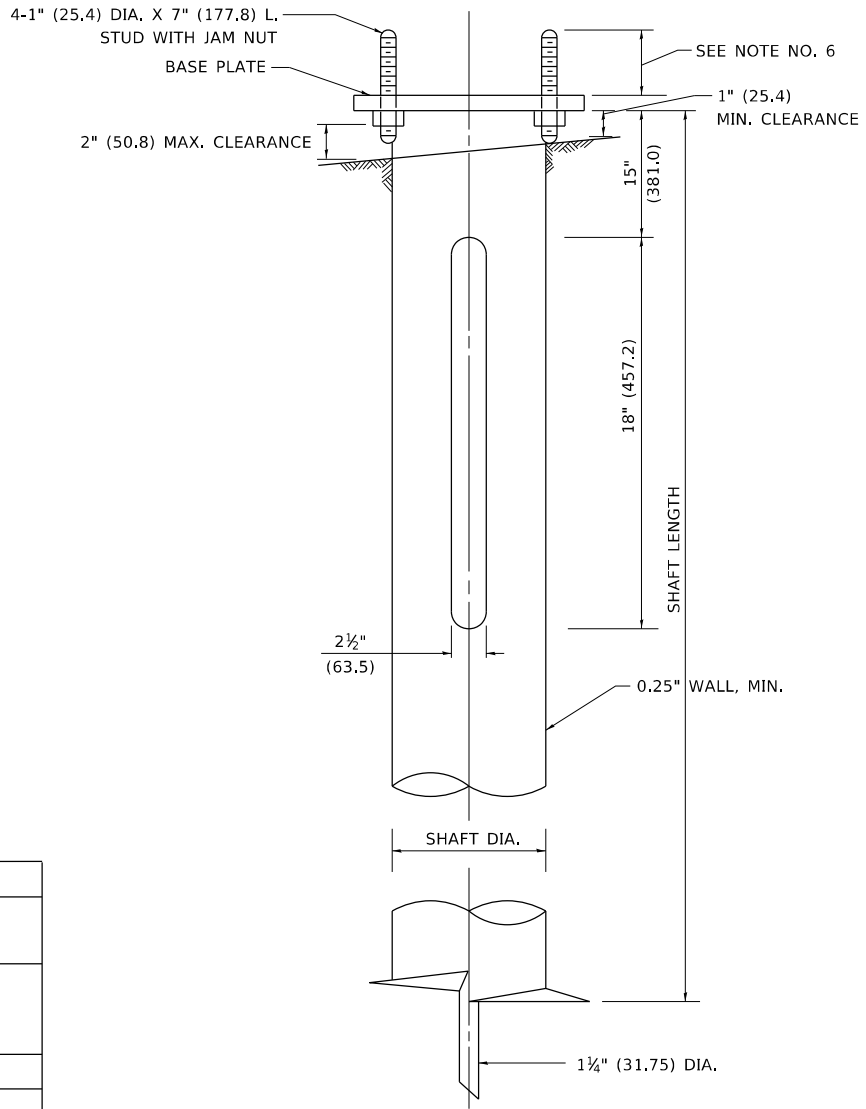
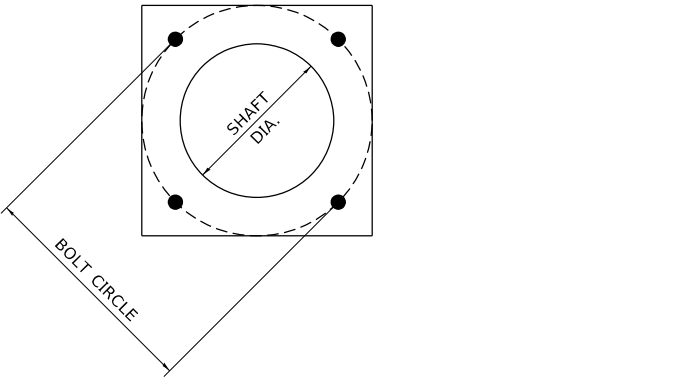
USER NAME = wteng	DESIGNED - WT	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/5/2022	CHECKED - JPO	REVISED -
	DATE - 12/05/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING RELOCATION PLAN
IL 50 (CICERO AVE)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	153
CONTRACT NO. 62N85				
ILLINOIS FED. AID PROJECT				



NOTES

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1#4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

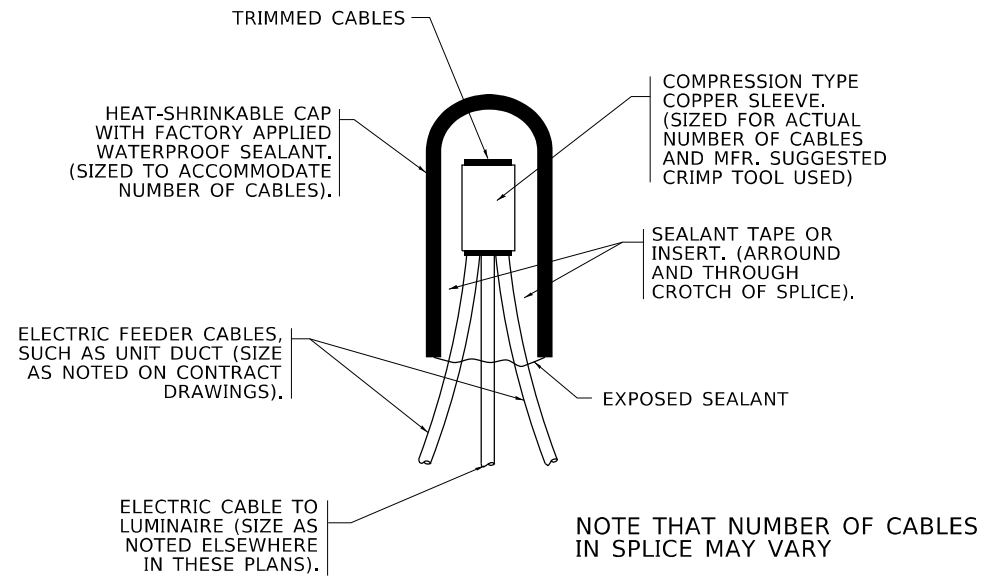
HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
41 FT.-45 FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1¼"

METAL HELIX FOUNDATION MATERIALS

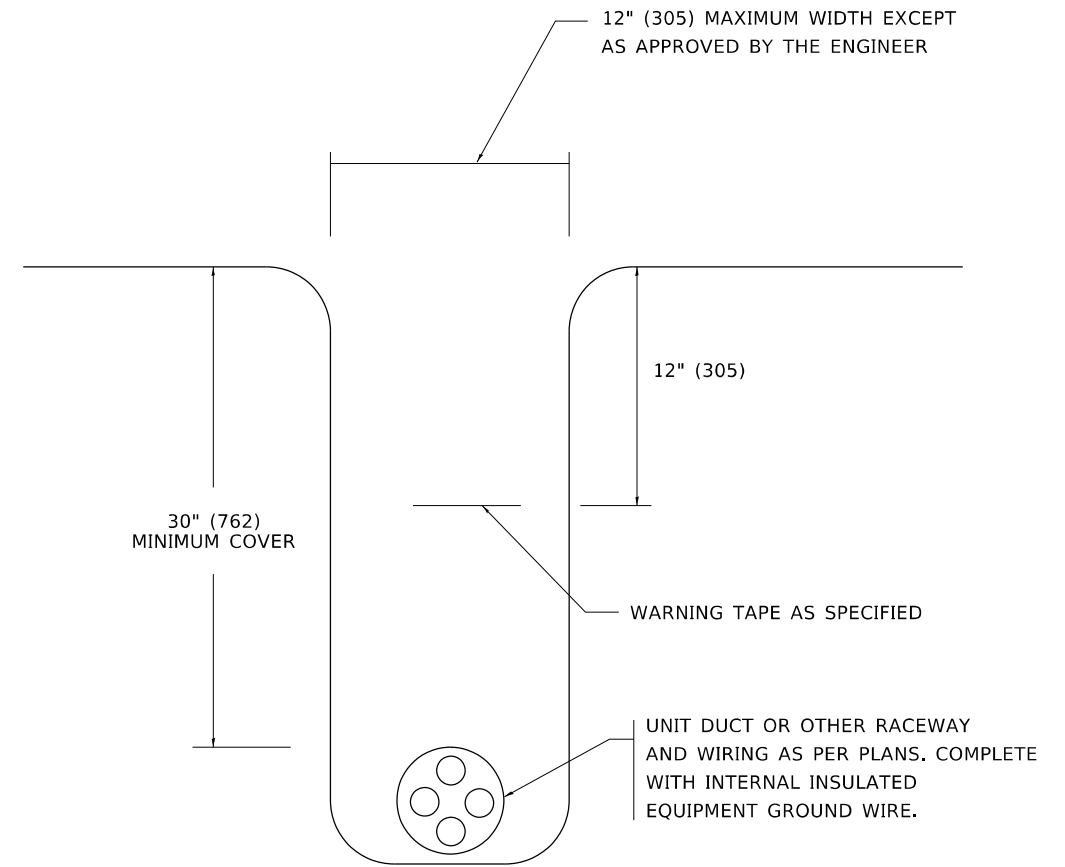
ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

MODEL: D:\default
 FILE: M:\MFE_p\p\planroom.dwg
 I:\projects\Illinois\gov\PIW\DOT\Documents\DOT_Offices\District_1\Projects\Dist5\0223A\CD\Drawn\CD\sheet\be305.dgn

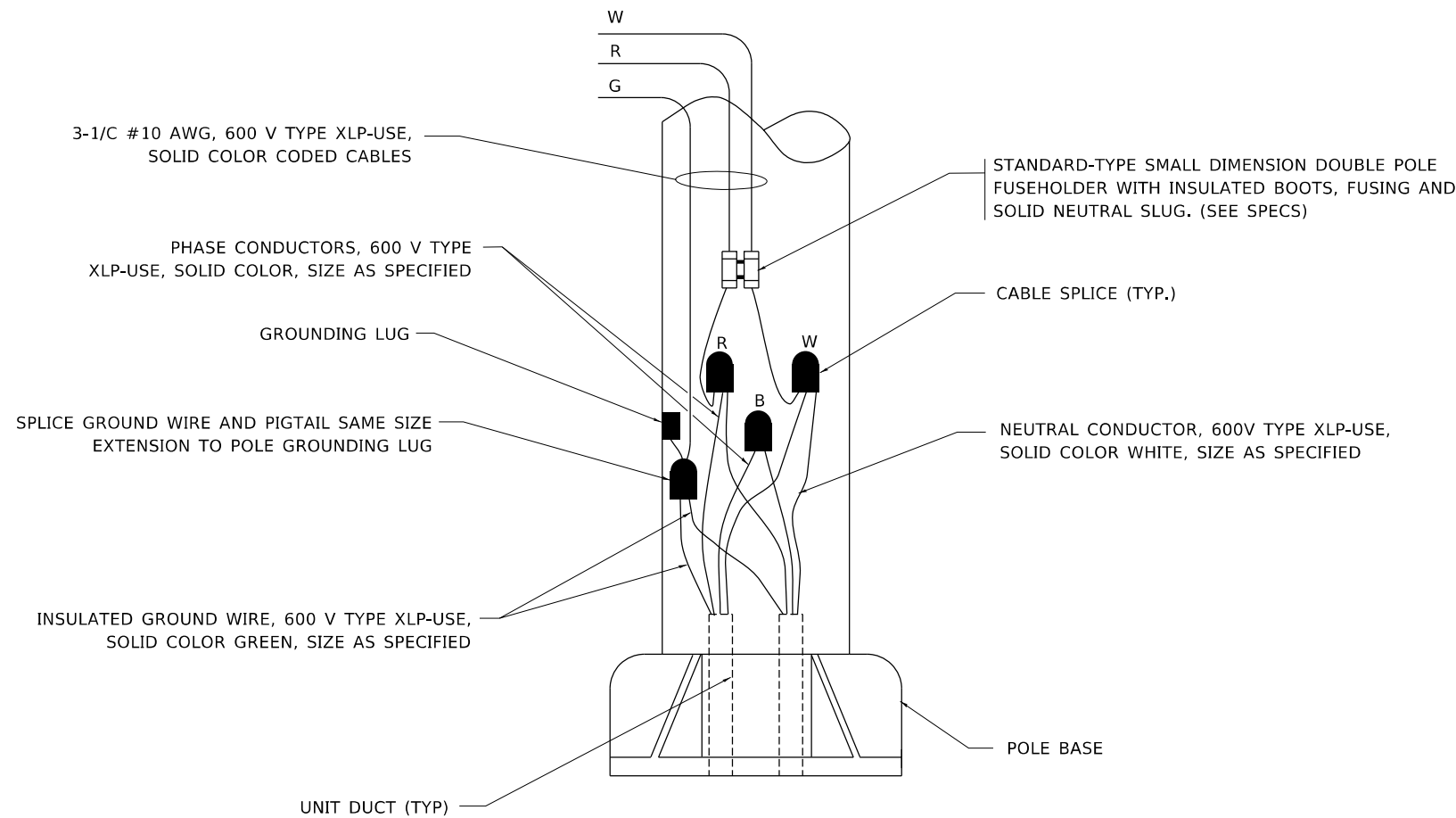


NOTE THAT NUMBER OF CABLES IN SPLICE MAY VARY

TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

MODEL: Default
FILE: M:\MFE_p\suplanroom\data\illinois.gov\PW\DOT\Documents\DOT_Offices\District_1\Projects\Dist5\0223A\CAD\data\CAD\sheet\be702.dgn

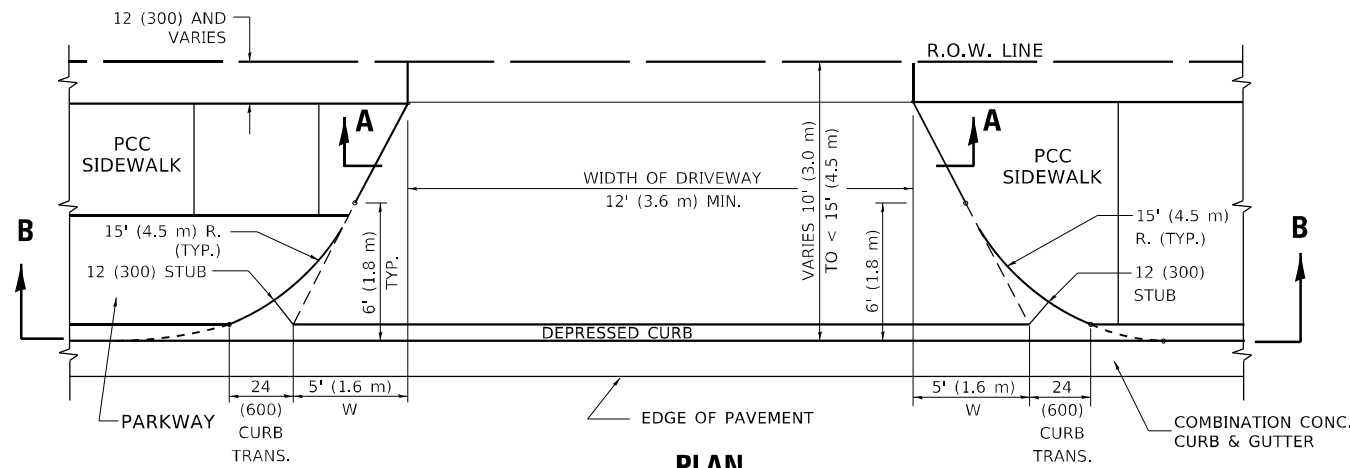
USER NAME = leysa	DESIGNED -	REVISED - 02/04/2020
PLOT SCALE = 50.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/2/2020	CHECKED -	REVISED -
	DATE - 08/08/2003	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

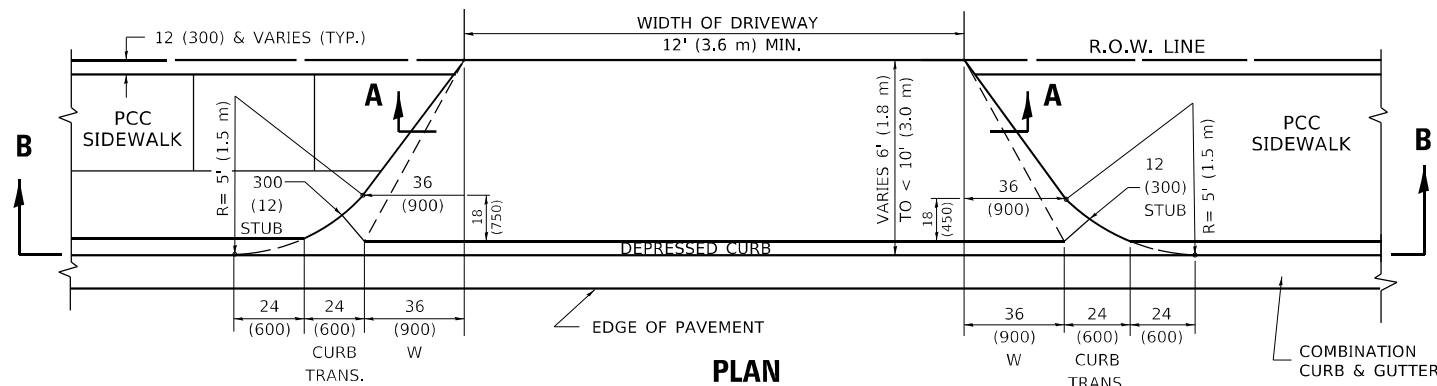
MISC. ELECTRICAL DETAILS
SHEET A

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

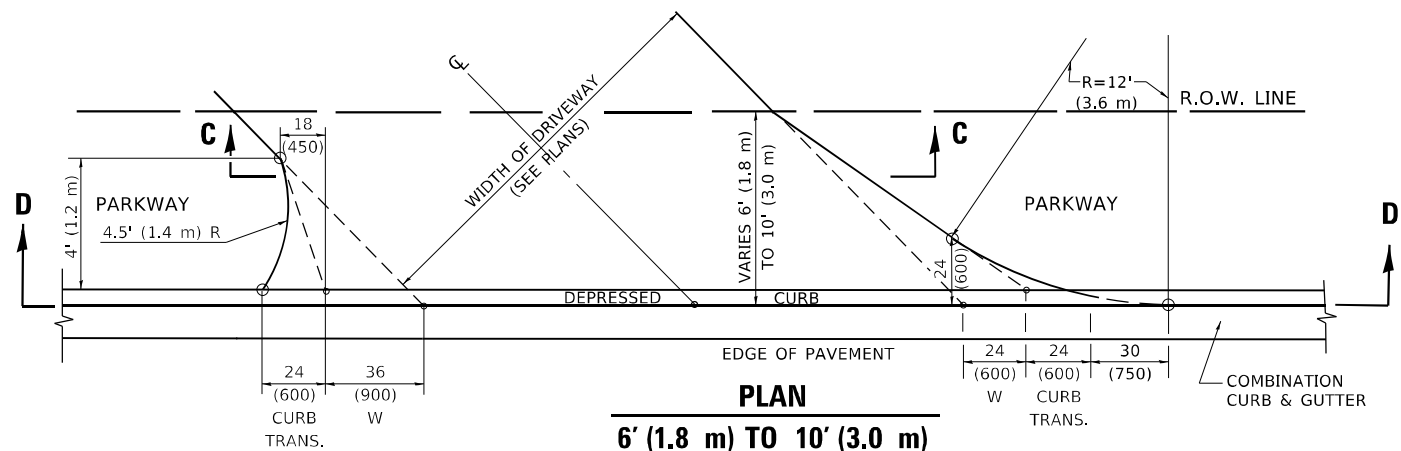
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	155
BE-702			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



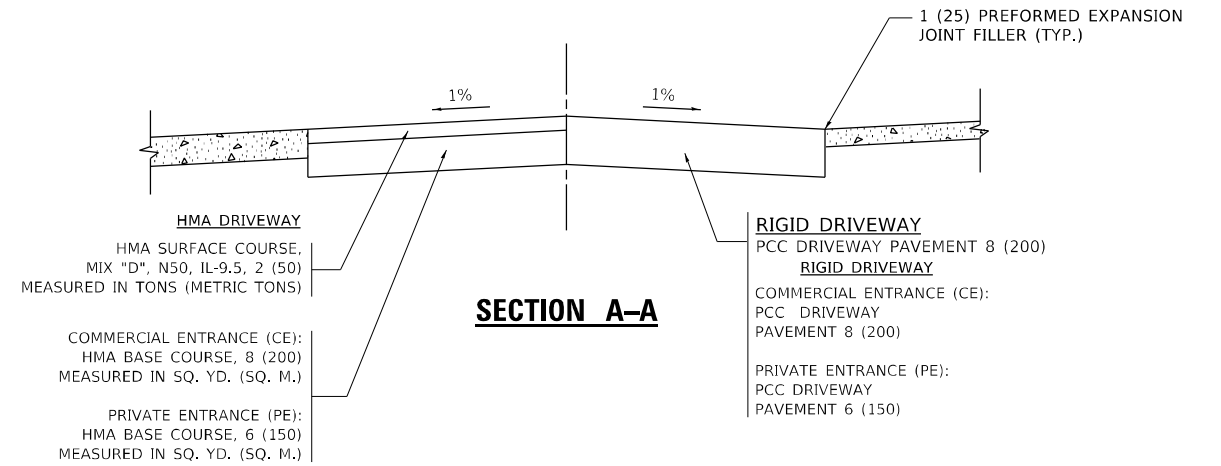
PLAN
10' (3.0 m) TO < 15' (4.5 m)



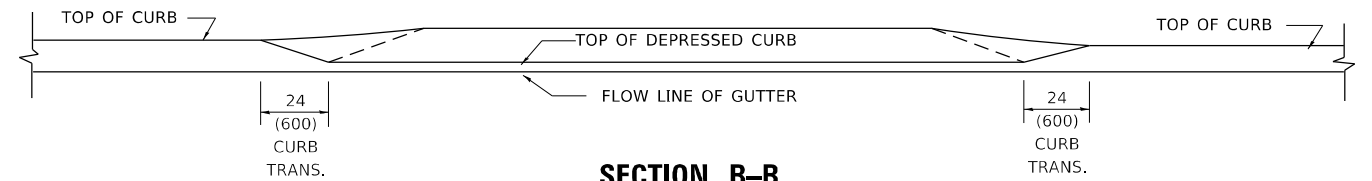
PLAN
6' (1.8 m) TO < 10' (3.0 m)



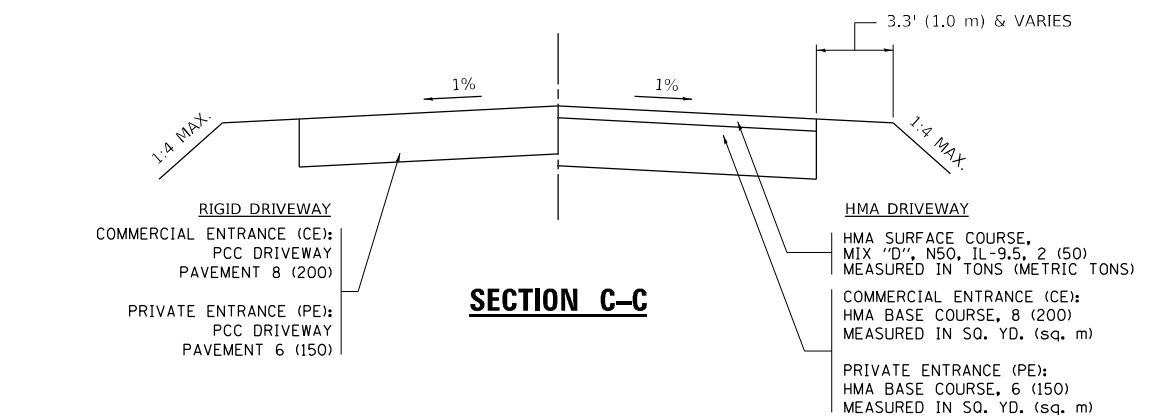
PLAN
6' (1.8 m) TO 10' (3.0 m)



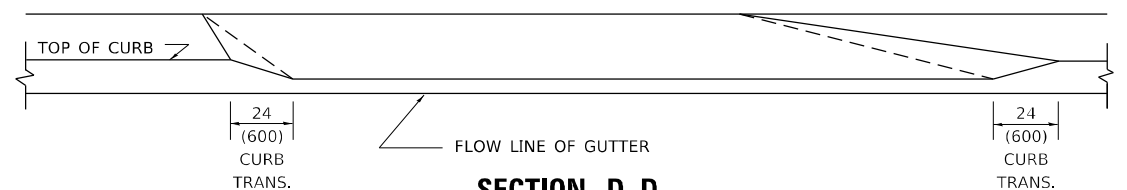
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
- WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
- "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

MODEL: D:\p\h
FILE NAME: Wcd\drftr0225-311bd02.dgn

USER NAME = demanchelt	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-06-11
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - K. SMITH 08-27-19
PLOT DATE = 2/2/2022	DATE - 11-06-95	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)**

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

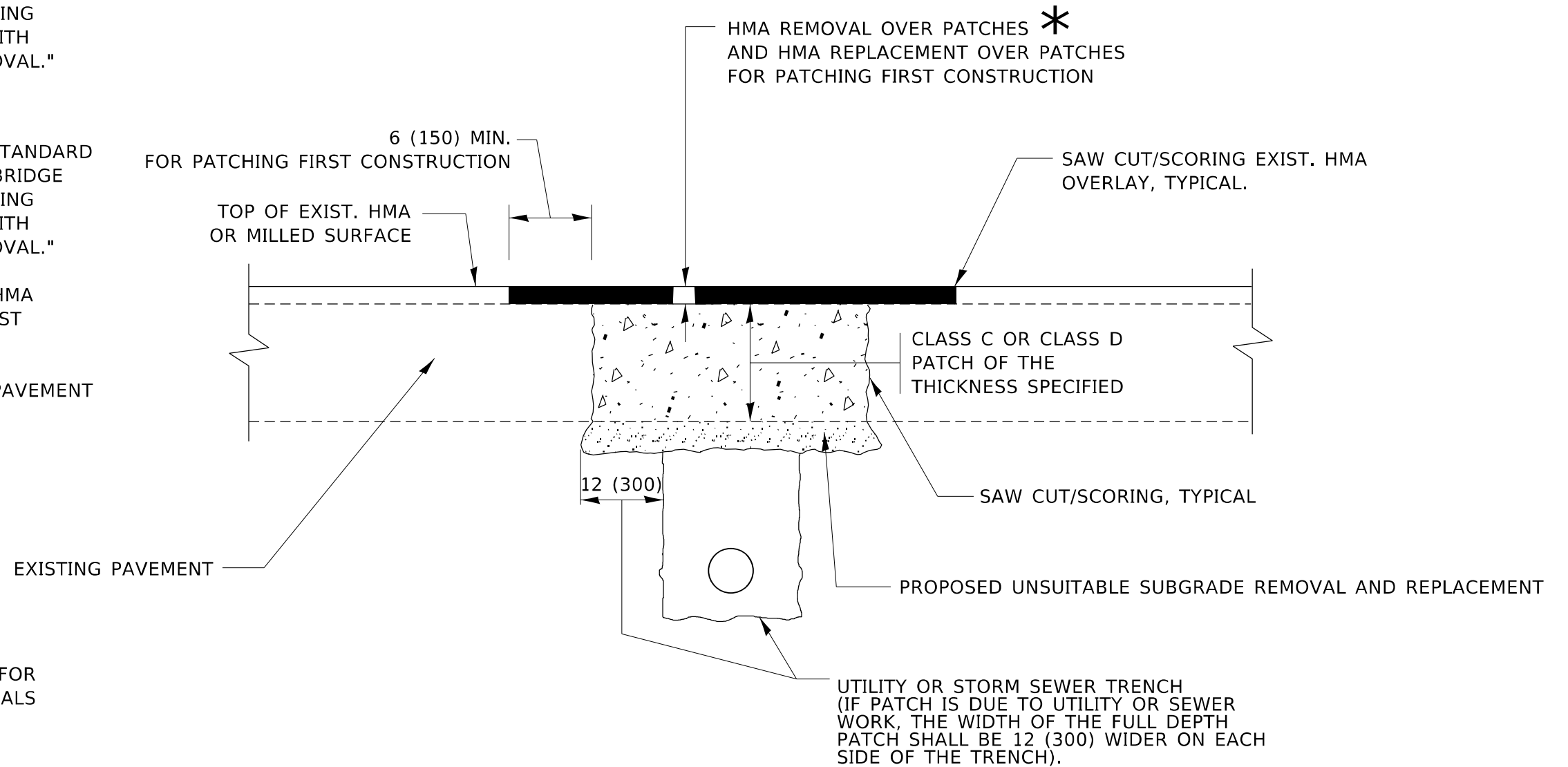
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N6&SW	COOK	167	156
BD400-02 (BD-02)		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

MODEL: D:\p\h
FILE NAME: W:\d\116222.dgn

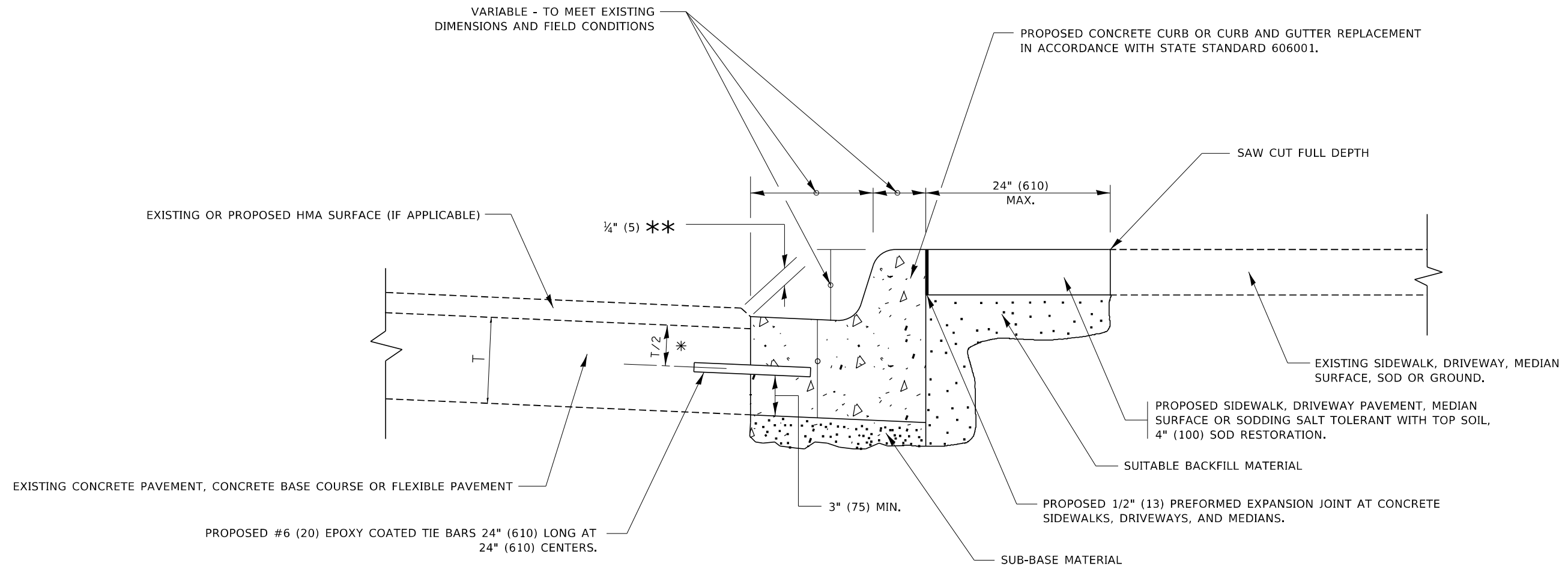
USER NAME = demanchelt	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	157
BD400-04 (BD-22)		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: D:\draft\...
 FILE NAME: ...
 PROJECT: ...
 DATE: 7/11/2019 1:53:36 PM User: f...

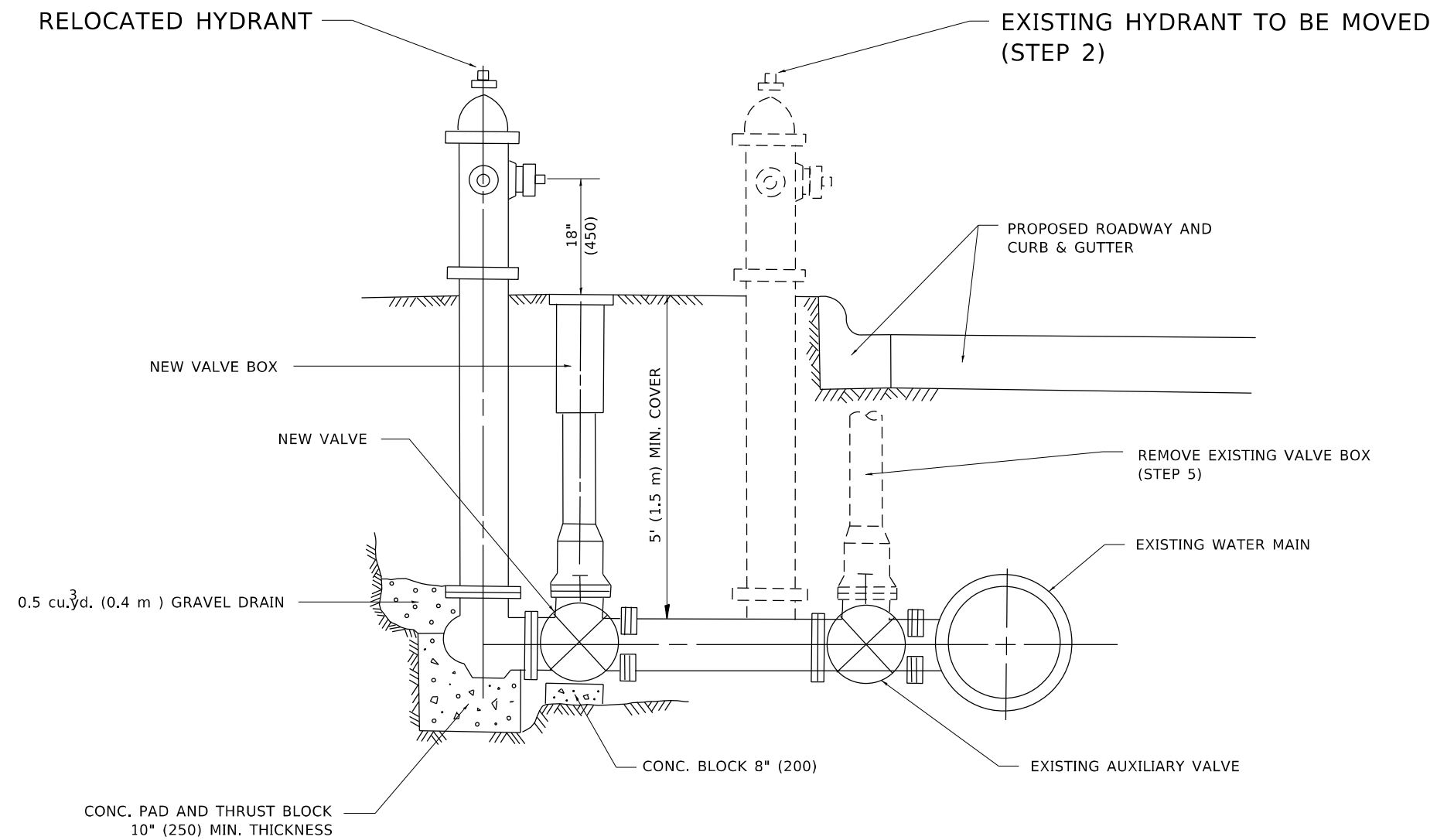
USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 50.0000 * / in.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-NG&SW	COOK	167	158
BD600-06 (BD-24)		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

NOTE:

ALL WORK TO BE DONE IN ACCORDANCE WITH SECTION 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

MODEL: D:\p\h\ FILE NAME: Wcd\1161636.dgn

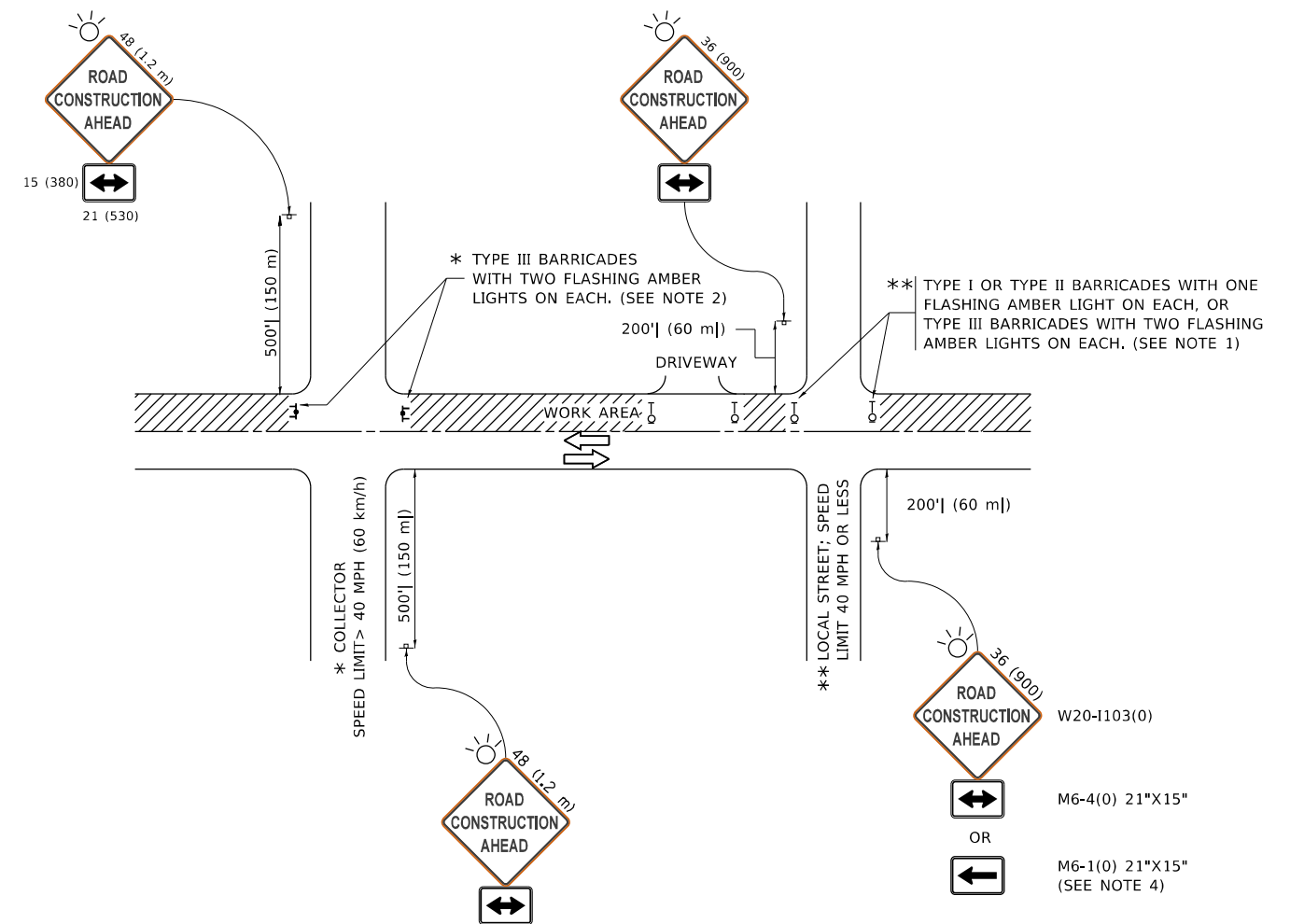
USER NAME = demanchelt	DESIGNED -	REVISED - R. SHAH 09-09-94
	DRAWN -	REVISED - R. SHAH 10-25-94
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - K. SMITH 02-01-22
PLOT DATE = 2/2/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FIRE HYDRANT TO BE MOVED

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	159
BD-36			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: D:\draft\...
 FILE NAME: p:\u1108\BEBID\NTEG\Illinois\pave\RWIDOT\Documents\DOT Offices\District 1\Projects\DH522\24\CADData\CAD\Sheet\TC10.dwg

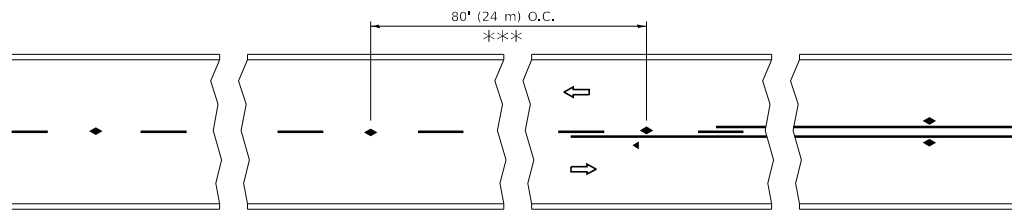
USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 50.0000 * / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

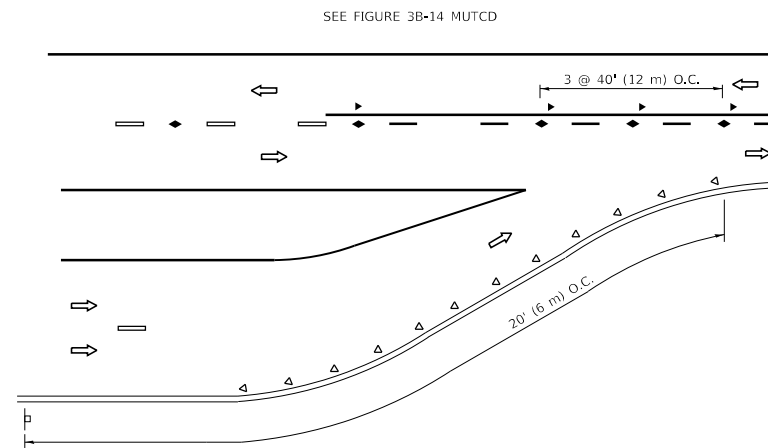
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	160
TC-10			CONTRACT NO.	
		ILLINOIS	FED. AID PROJECT	

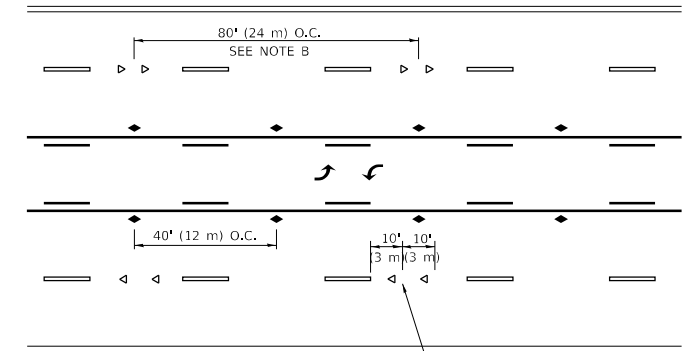


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

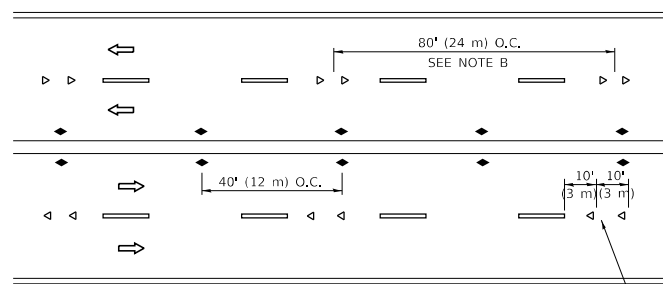
TWO-LANE/TWO-WAY



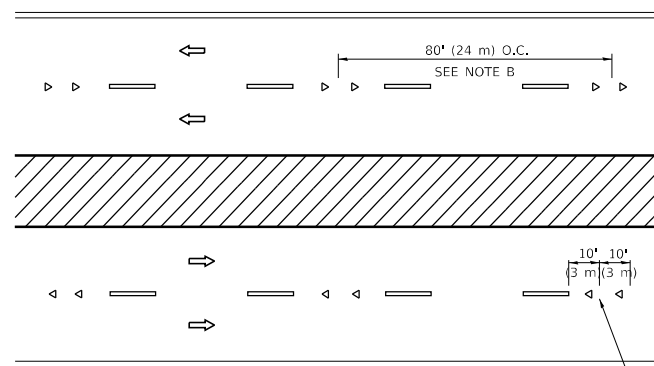
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

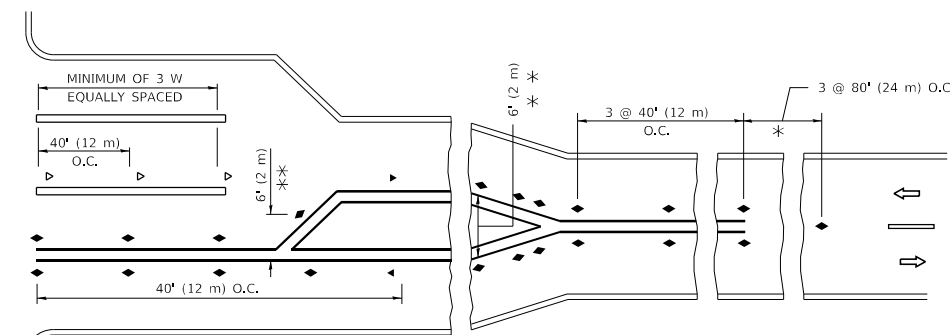
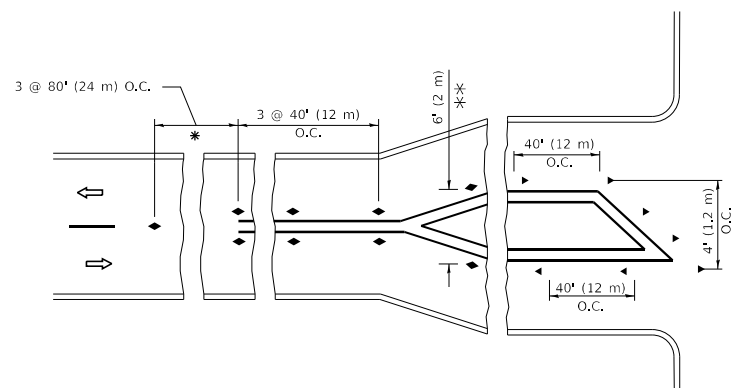
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 *** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: D:\ref\...
 FILE NAME: p:\u108\BEBID\ITEG\Illinois\pave\RWIDOT\Documents\DOT_Offices\Director_1\Projects\DIHS\22-234\CAD\Draws\CAD\Sheet\K11.dgn

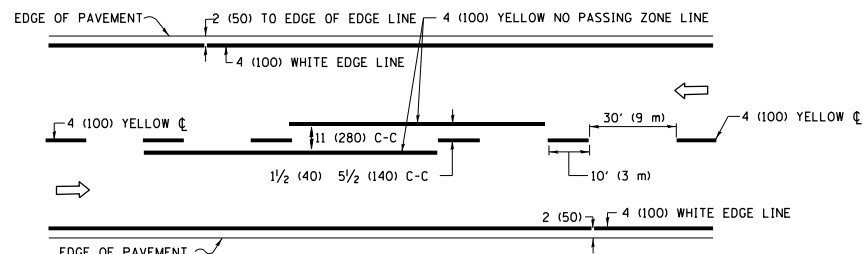
USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000 * / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

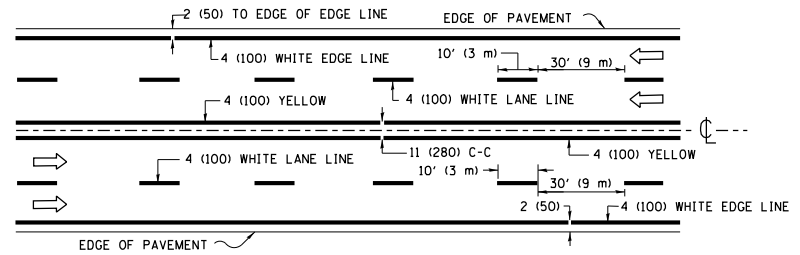
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

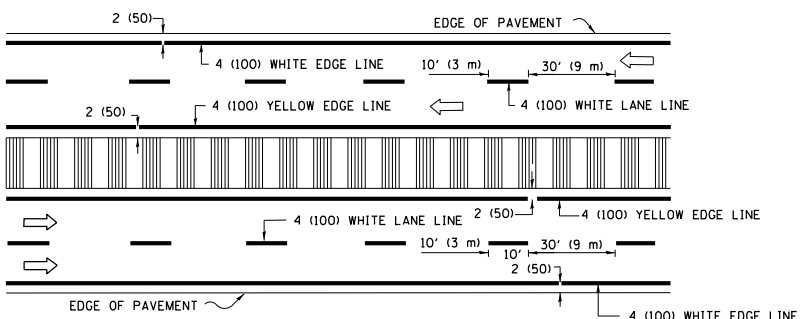
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	161
TC-11		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		



2-LANE ROADWAY

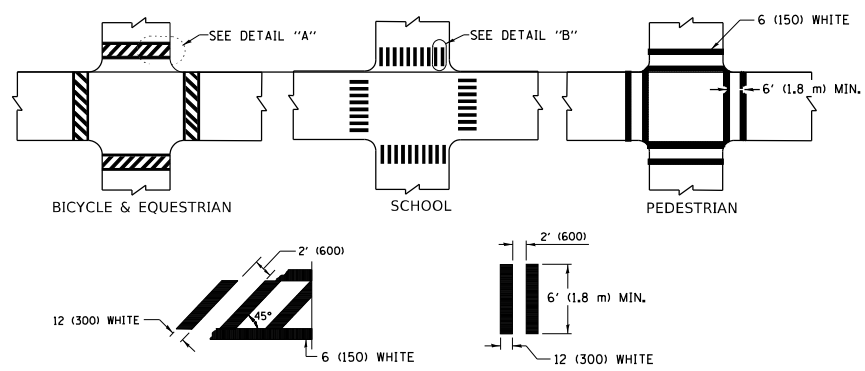


MULTI-LANE UNDIVIDED



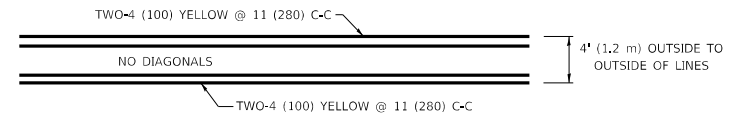
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

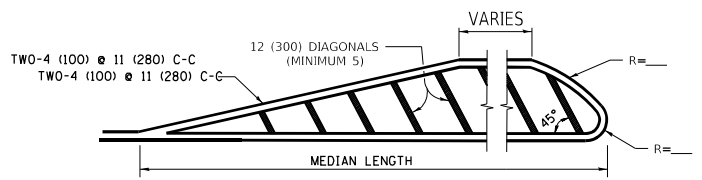


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



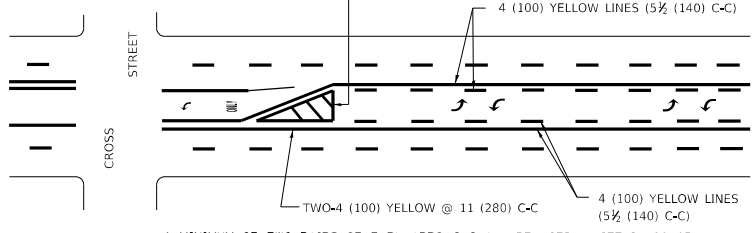
4' (1.2 m) WIDE MEDIANS ONLY



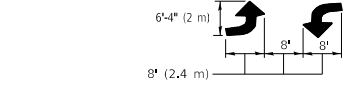
MEDIANS OVER 4' (1.2 m) WIDE

FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

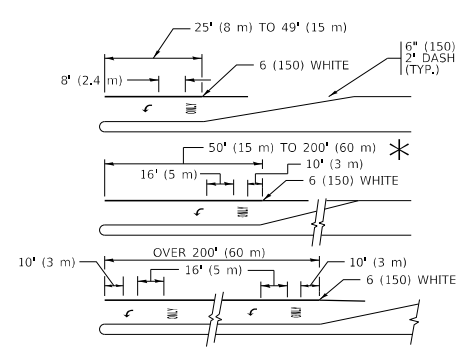


TYPICAL PAINTED MEDIAN MARKING



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



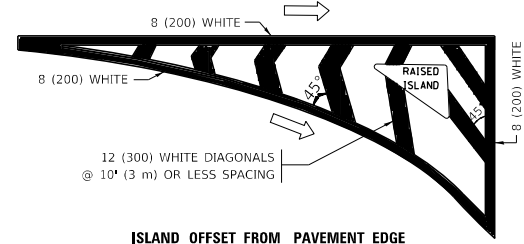
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

* AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

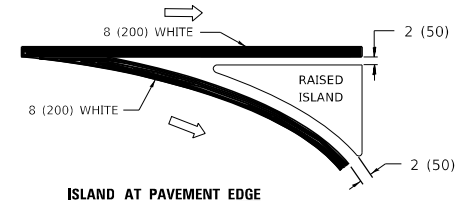
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

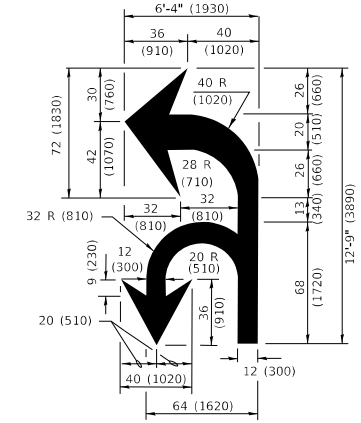
TYPICAL TURN LANE MARKING



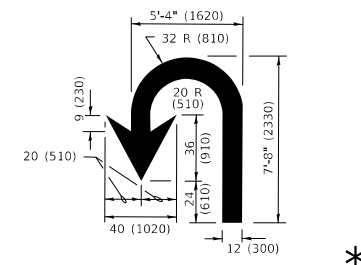
ISLAND OFFSET FROM PAVEMENT EDGE



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES "RR" IS 8' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: D:\m\p\...
FILE NAME: p\...
PROJECT: ...

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.0000" / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	162
TC-13		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

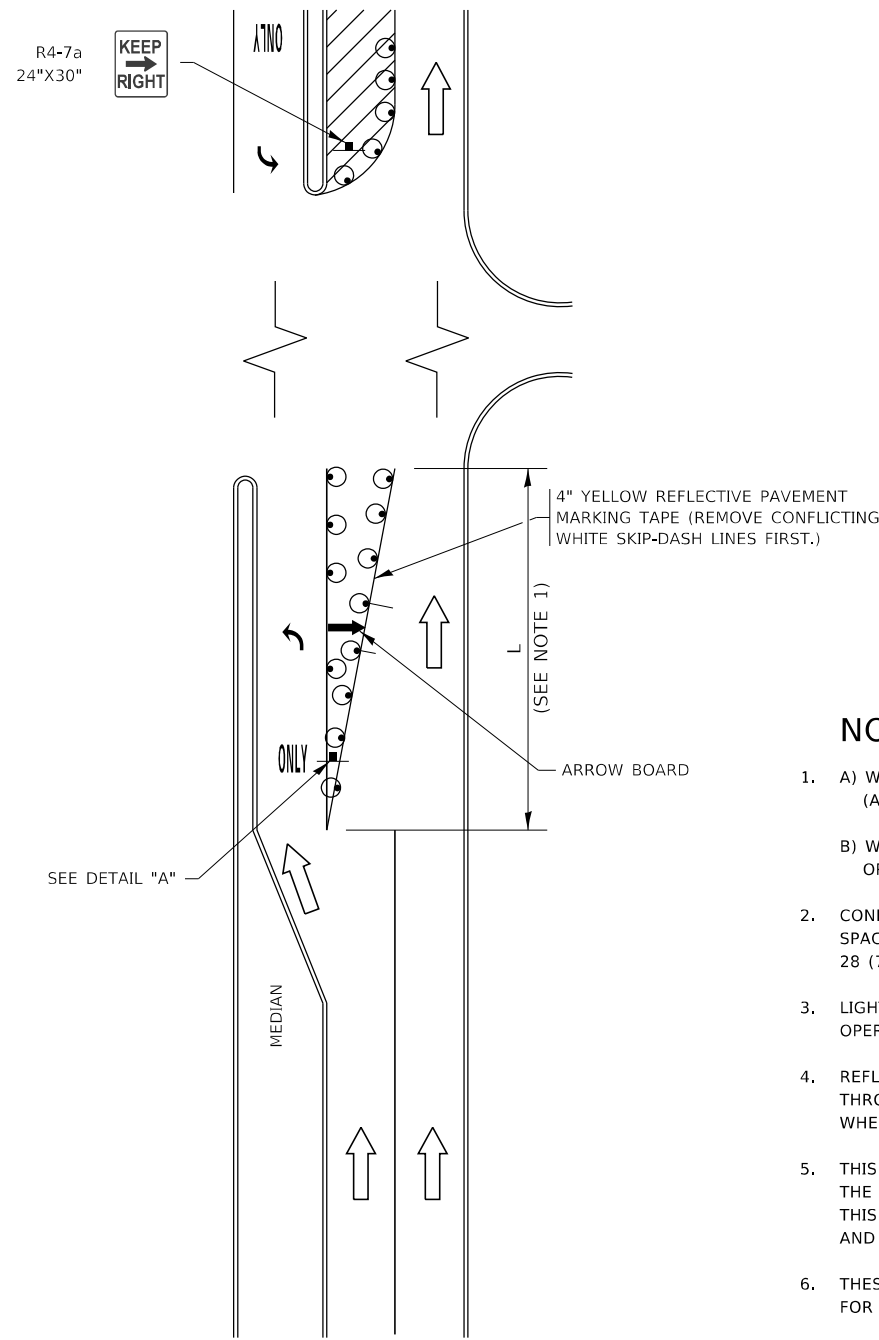


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

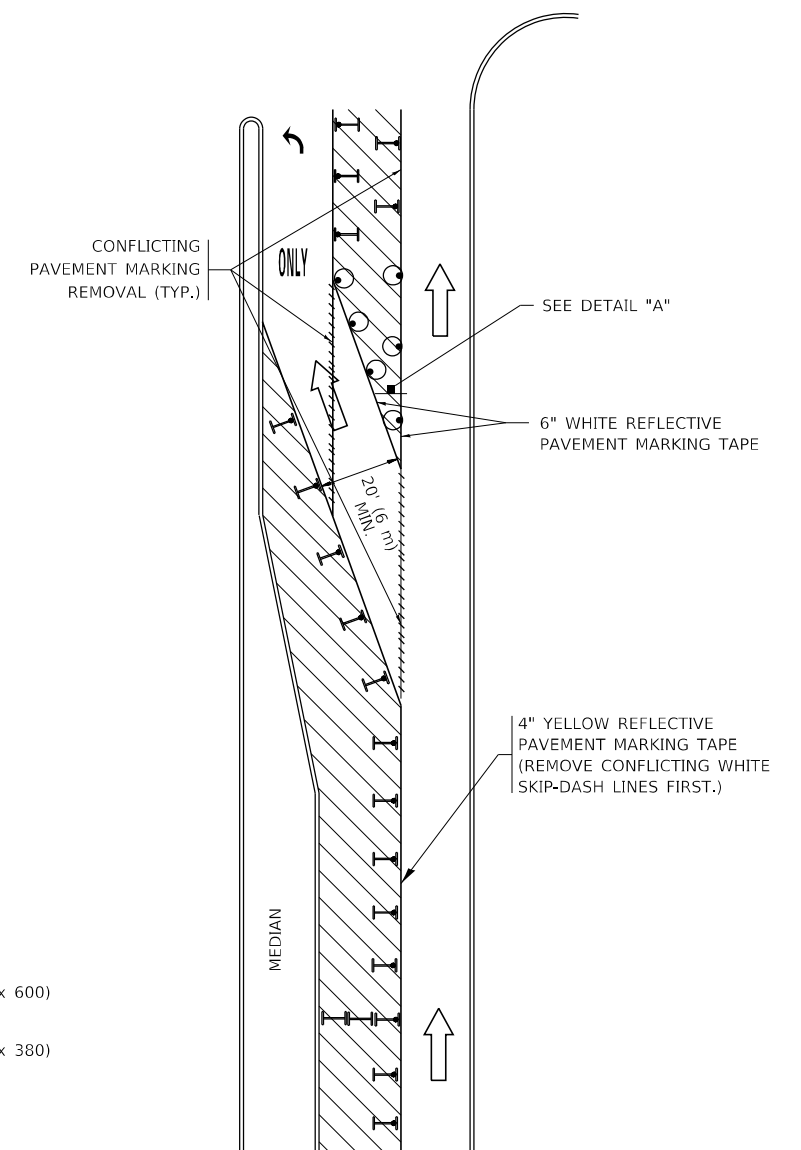
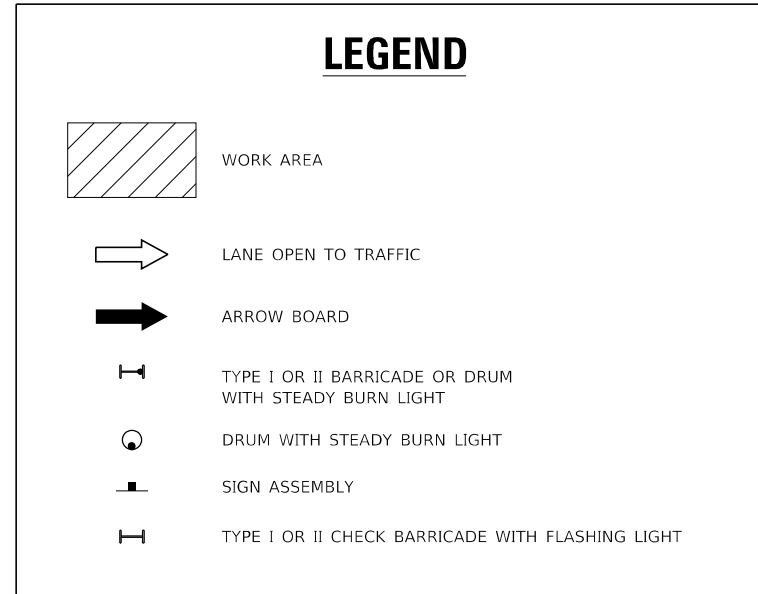
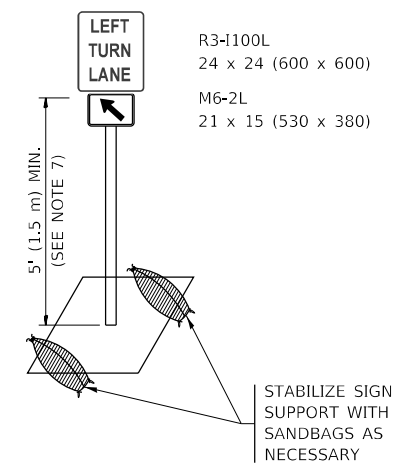


FIGURE 2



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: D:\draft\... FILE NAME: p:\u0008\BID\NTEC\Illinois\pwr\WIDOT\Documents\DOT_Offices\Bierkt_1\Projects\DH\5422\24\CAD\Draw\CAD\Sheet\TC_14.dgn

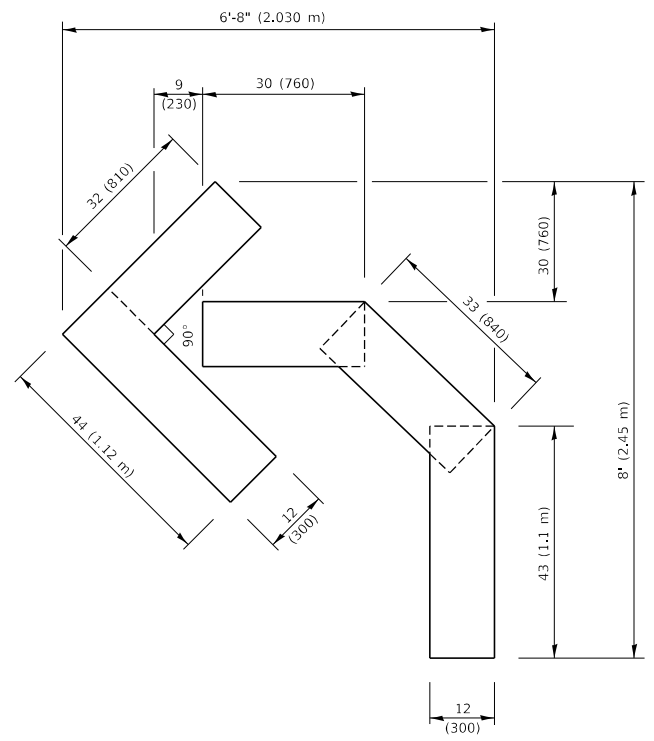
USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50.0000" / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

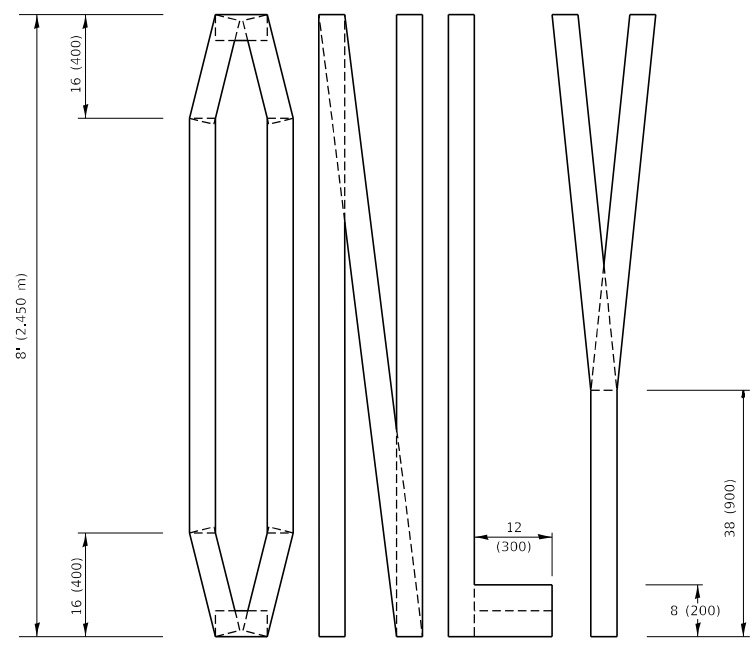
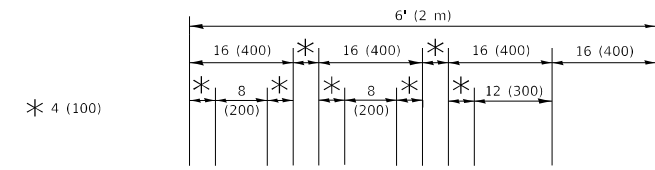
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	163
TC-14		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



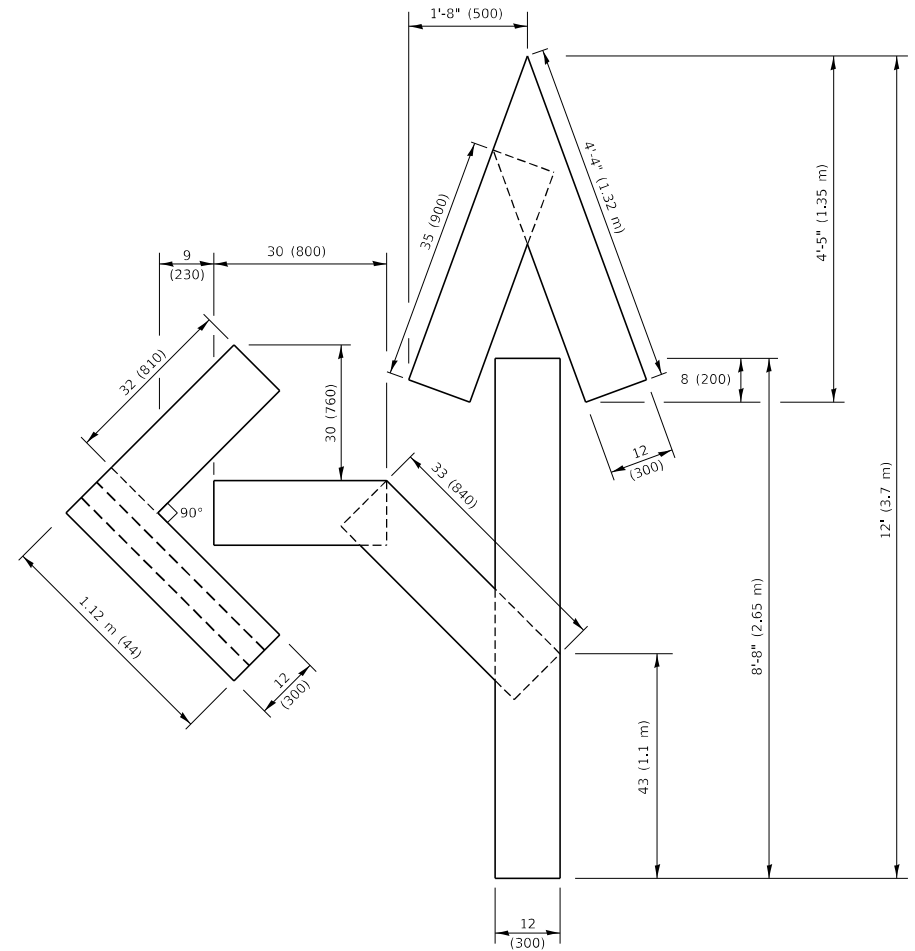
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

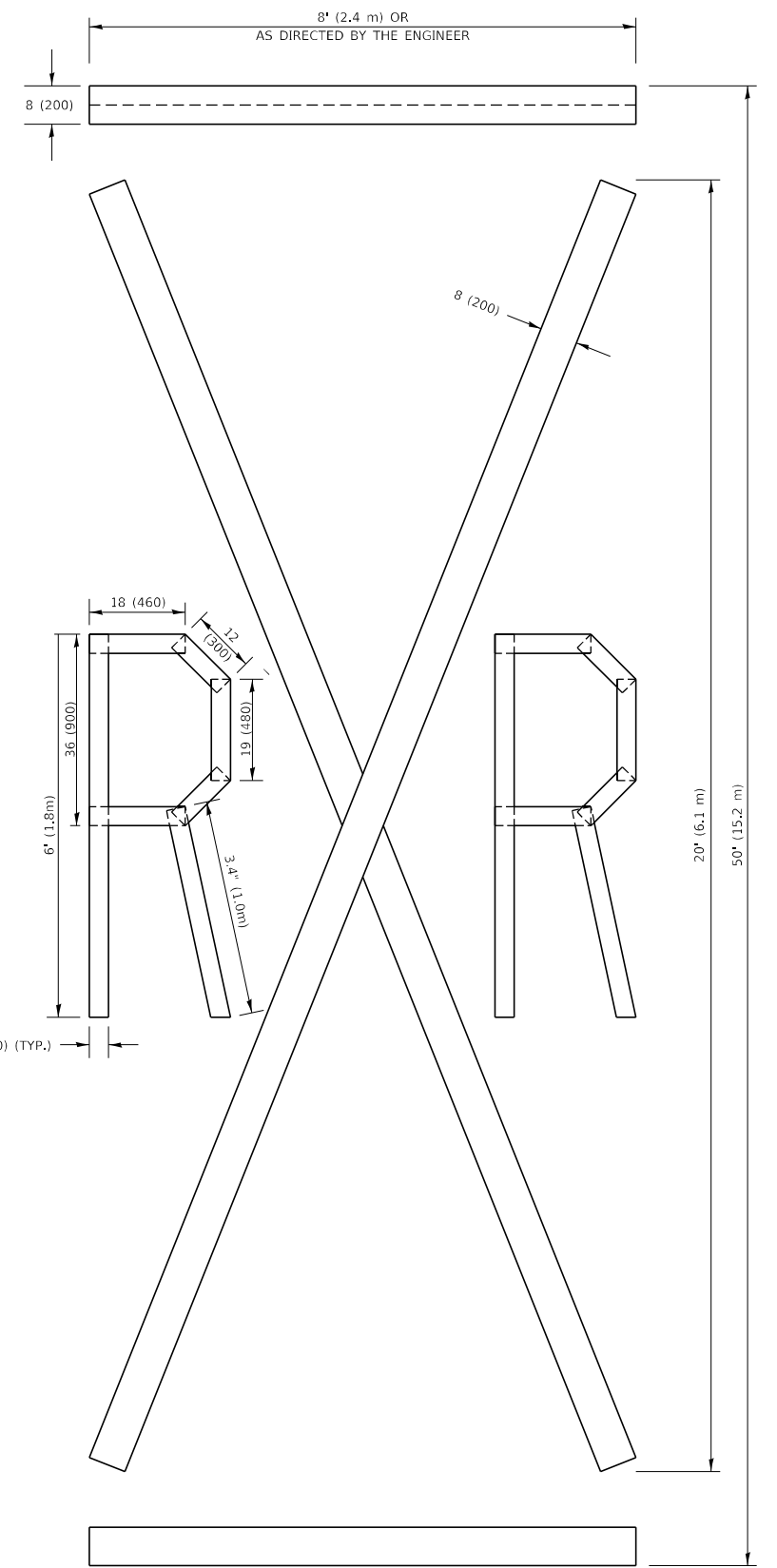


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Default
FILE NAME: P:\11108\RESID\ITEG\11108\00\PRJ\DOT\Documents\DOT_Offices\lbratct_1\projects\lbratct_1\11108\00\PRJ\DOT\Documents\lbratct_16.dwg

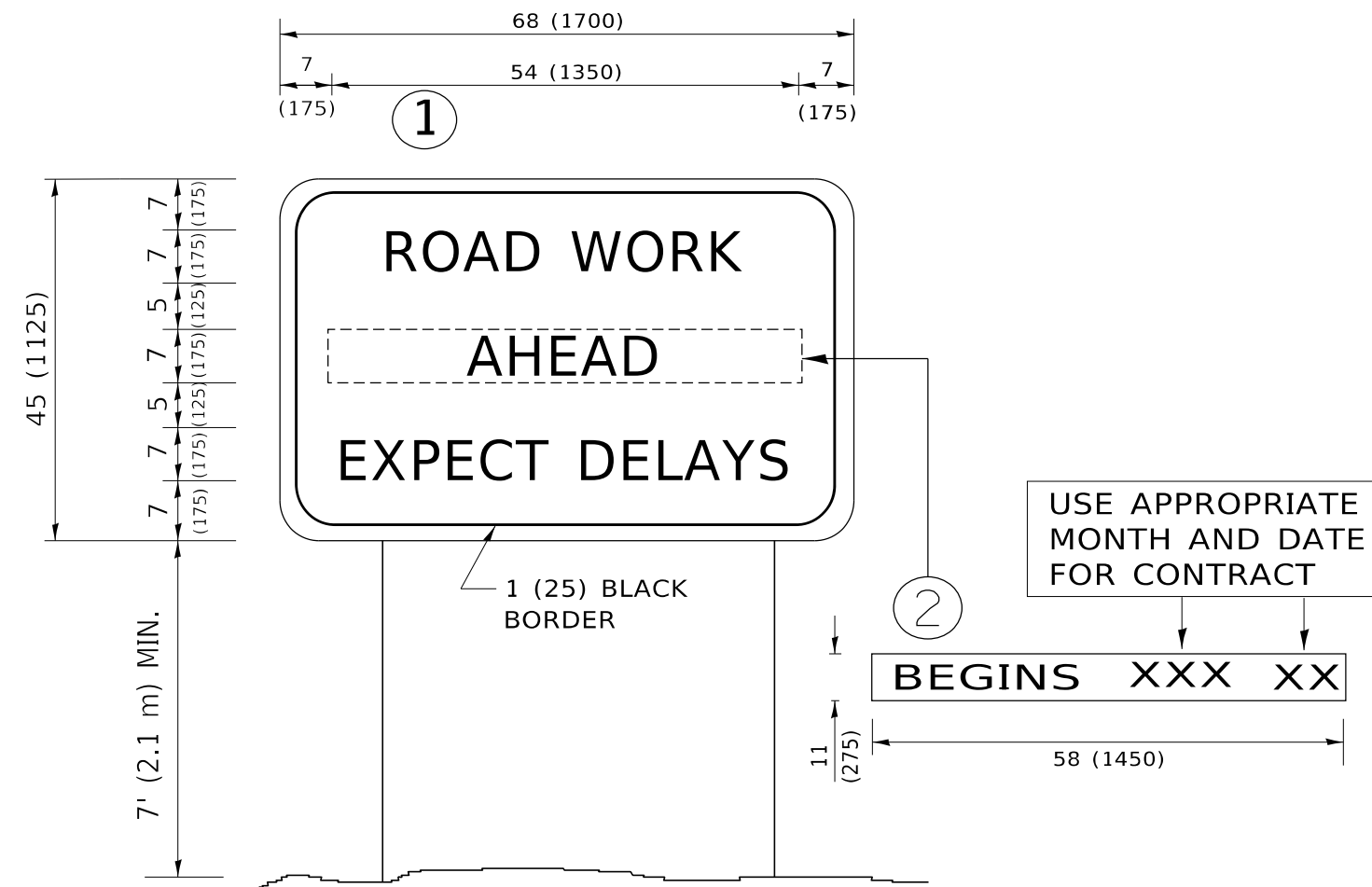
USER NAME = [footem]	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
PLOT SCALE = 50.0068 * / in.	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	164
TC-16		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

MODEL: D:\info\...
 FILE NAME: p:\u1108\BEBID\NTEG\Illinois\pave\RWIDOT\Documents\DOT_Offices\Bierkt_1\Projects\DH\5422\24\CAD\Draws\CAD\sheet\TC22.dgn

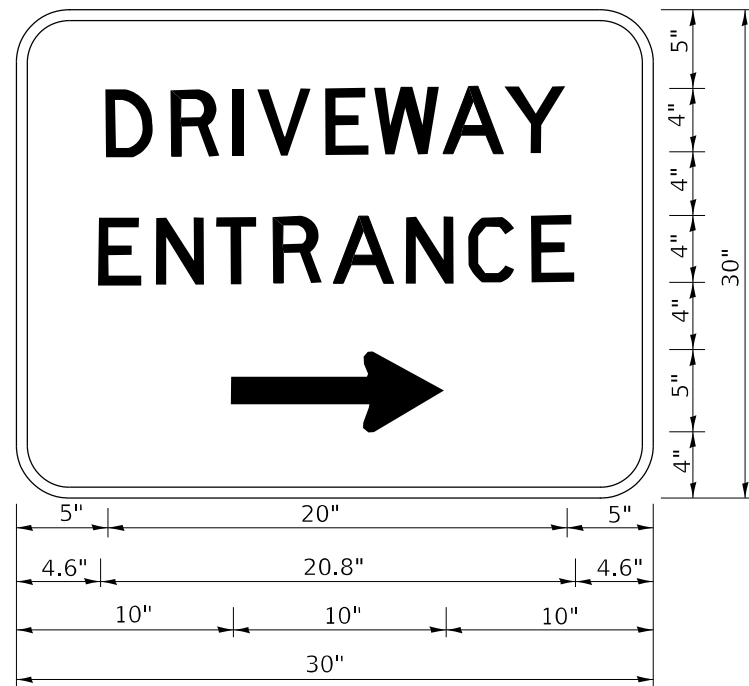
USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.0000 * / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	165
TC-22			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL: D:\draft
 FILE NAME: p:\p\amromm.dwt
 PROJECT: D:\HS0223A\CAD\Draw\CAD\Sheet126.dwg

USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

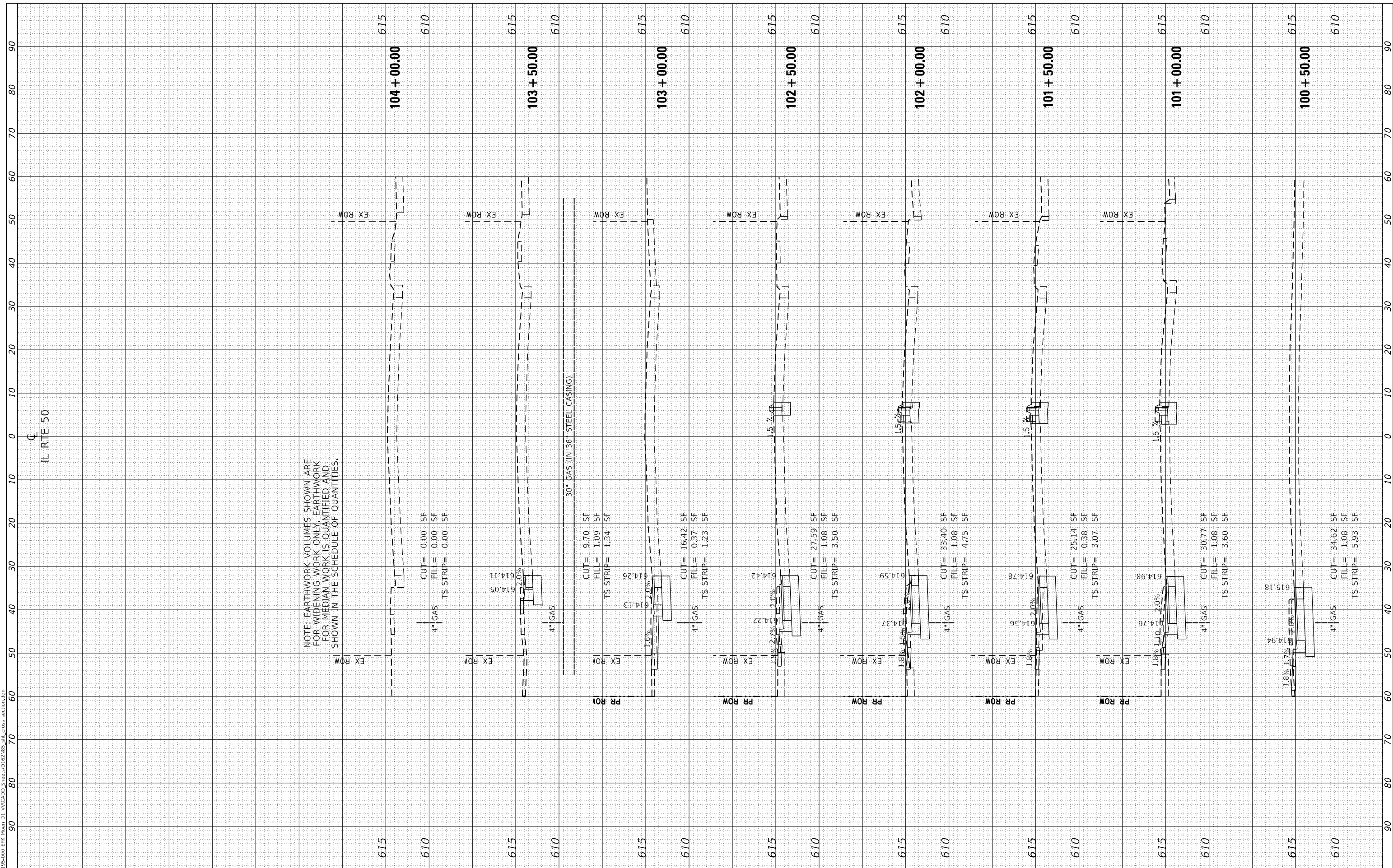
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	2021-054-N&SW	COOK	167	166
TC-26			CONTRACT NO.	
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL Default
FILE NAME: W:\195-000 EFK_Mean D1_VICADD_Subcontract\212\MS_S&C_Cross_Section.dgn



USER NAME = wteng	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/5/2022	DATE = 01/24/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
IL 50 (CICERO AVE) AT MIDLOTHIAN TURNPIKE			
SCALE: 1:5V, 1:10H	SHEET 1	OF 1 SHEETS	STA. 100+50.00 TO STA. 104+00.00

F.A.P. RTE. 350	SECTION 2021-054-N&SW	COUNTY COOK	TOTAL SHEETS 167	SHEET NO. 167
CONTRACT NO. 62N85				ILLINOIS FED. AID PROJECT