

11-18-2022 LETTING ITEM 059

FOR INDEX OF SHEETS, SEE SHEET NO. 3

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-7

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAP ROUTE 331 (IL 13)
SECTION 6Z(SFY-1)
PROJECT HSIP-UJHH(164)
PEDESTRIAN MID-BLOCK CROSSWALK
WILLIAMSON COUNTY

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	1
		ILLINOIS	CONTRACT NO. 78957	

TRAFFIC DATA

2021 ADT = 17,100
2023 ADT = 17,440
2043 ADT = 21,280
SU = 4.4%
MU = 4.1%

TOWNSHIPS

MARION

DESIGN DESIGNATION : OTHER PRINCIPAL ARTERIAL (PAS)

COORDINATE SYSTEM : ILLINOIS COORDINATE SYSTEM, EAST ZONE

POSTED SPEED : 35 MPH

ALL ELEVATIONS IN THE PLANS ARE BASED
UPON THE NORTH AMERICAN VERTICAL
DATUM OF 1988 (NAVD88)

PLANS PREPARED BY:



4940 Old Collinsville Road
Swansea, Illinois 62226
Tel: 618.624.4488
www.twm-inc.com
ILLINOIS - MISSOURI - TENNESSEE

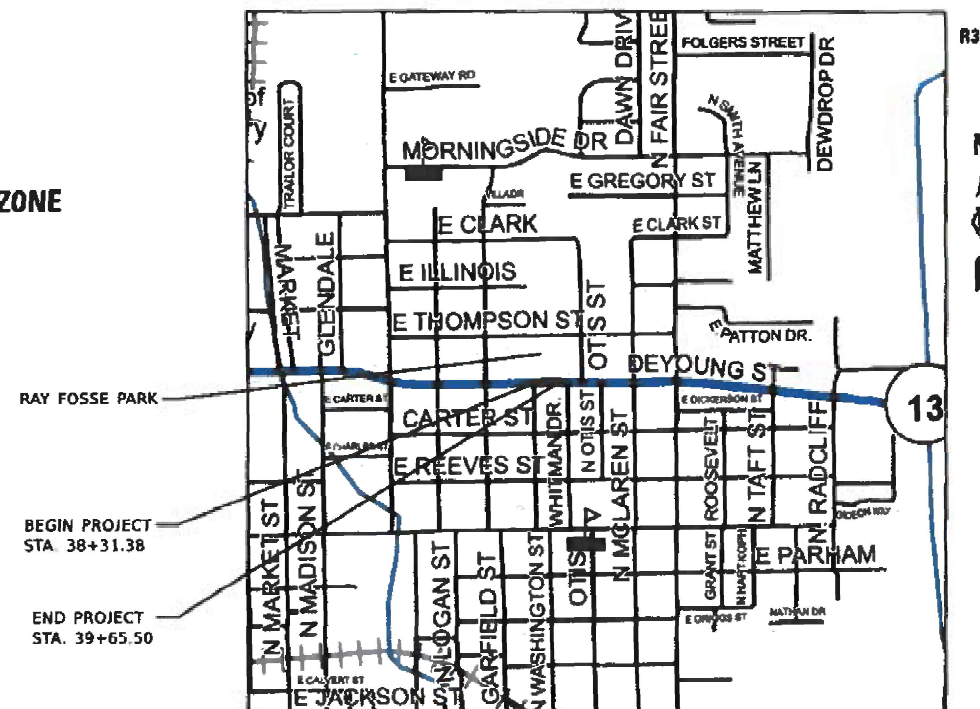
Illinois Professional
Design Firm
No. 184-001220
License Expires: 04/30/2023

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: CHARLES STEIN (618) 351-5210
PROJECT DESIGNER: BILL PORTER (618) 351-5224

CONTRACT NO. 78957

C-99-071-22



SCALE: 1" = 40'

GROSS LENGTH = 134.12 FT. = 0.025 MILE

NET LENGTH = 134.12 FT. = 0.025 MILE

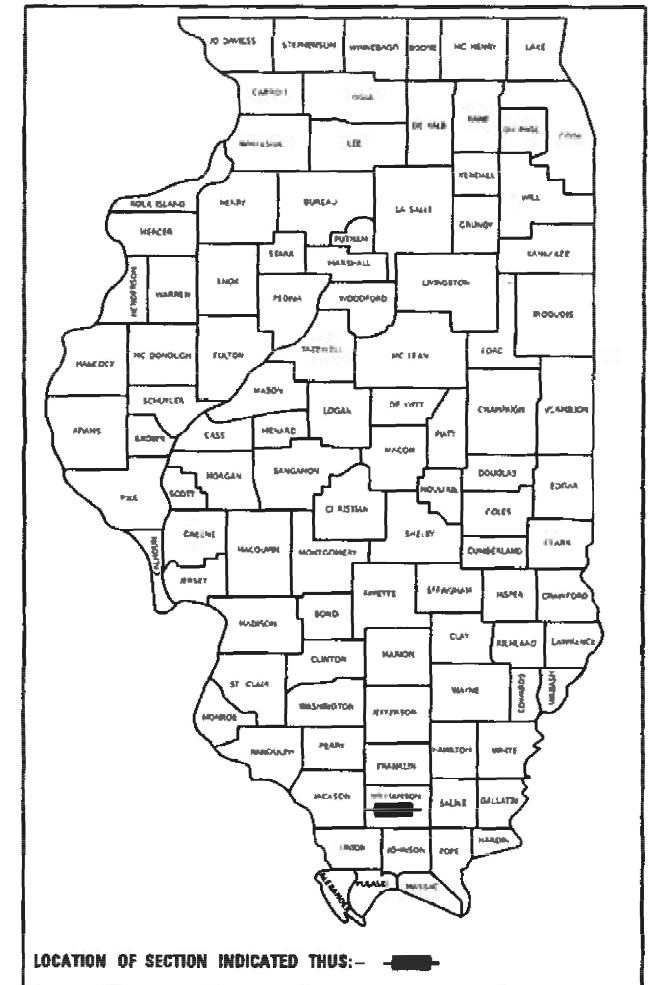


TIMOTHY B. PADGETT, PE EXPIRATION DATE
LICENSE NO. 062-049162 11-30-2023
SHEETS: 001-015, 019-024



RASHI-SHKUMAR D. PATEL, PE EXPIRATION DATE
LICENSE NO. 062-064617 11-30-2023
SHEETS: 016-018, 025-026

D-99-052-22



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 26 20 22

Kirk H. Brown

REGION FIVE ENGINEER

October 14, 2022

ENGINEER OF DESIGN AND ENVIRONMENT

October 14, 2022

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

Prepared By: Charles Stein
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Lee
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carrie Nelson
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: RGO
DISTRICT OPERATIONS ENGINEER

Examined By: Douglas J. Melnick
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Douglas J. Melnick
DISTRICT CONSTRUCTION ENGINEER

Examined By: RGO
DISTRICT MATERIALS ENGINEER

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FILE NAME: P:\2022\12\05\9310 - IL 13 Pedestrian Crossing - Murrelet CADD - DWG\1.7 TerrainCADD_Sheet(SD978957_01.dwg)



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IL DESIGN FIRM
LICENSE NO:
184-001220

USER NAME = dlee
PLOT SCALE = 40,0000' / in.
PLOT DATE = 8/25/2022

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DRAWN - JCL
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	2
CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

GENERAL

1. THE PROPOSED LIGHT POLE FOUNDATION SHALL BE FLUSH WITH FINAL SURFACE.

TRAFFIC CONTROL

1. OVERNIGHT LANE CLOSURES WILL ONLY BE PERMITTED FOR THE CONSTRUCTION OF THE CENTER PEDESTRIAN REFUGE ISLAND.
2. THE PROPOSED MID-BLOCK CROSSING SHALL BE CLOSED ACCORDING TO HIGHWAY STANDARD 701801 UNTIL THE PROPOSED HIGHWAY LIGHTING AND RECTANGULAR RAPID FLASHING BEACONS ARE FULLY OPERATIONAL.

COMMITMENTS

COMMITMENTS FOR THIS PROJECT ARE AS FOLLOWS: NONE

INDEX OF SHEETS

- 1 COVER SHEET
- 2 SIGNATURE SHEET
- 3 GENERAL NOTES, HIGHWAY STANDARDS & COMMITMENTS
- 4-7 SUMMARY OF QUANTITIES
- 8 TYPICAL SECTIONS
- 9-11 SCHEDULE OF QUANTITIES
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- 13 REMOVAL PLAN
- 14 PLAN SHEET
- 15 ADA CURB RAMP DETAILS
- 16 LIGHTING LEGEND, NOTES AND QUANTITIES
- 17 PROPOSED LIGHTING PLAN
- 18 RECTANGULAR RAPID FLASHING BEACON LAYOUT PLAN
- 19 PAVEMENT MARKING AND SIGNING PLAN
- 20 WIDTH RESTRICTION SIGNING
- 21-22 TRAFFIC CONTROL AND PROTECTION, STANDARD 701602, SPECIAL DETAIL
- 23-26 DISTRICT DETAILS

HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 420001-10 PAVEMENT JOINTS
- 424016-05 MID-BLOCK CURB RAMP FOR SIDEWALK
- 424031-02 MEDIAN PEDESTRIAN CROSSINGS
- 606001-08 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
- 701011-04 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
- 701427-05 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40MPH
- 701602-10 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701801-06 SIDEWALK CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES
- 704001-08 TEMPORARY CONCRETE BARRIER
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 782001-01 CURB REFLECTORS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
- 814001-03 HANDHOLES
- 821101-02 LUMINAIRE WIRING IN POLE
- 825011-04 LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
- 830006-05 LIGHT POLE ALUMINUM DAVIT ARM
- 838001-01 BREAKAWAY DEVICES
- 878001-11 CONCRETE FOUNDATION DETAILS
- 664001-02 CHAIN LINK FENCE
- 805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS
- 836001-04 LIGHT POLE FOUNDATION

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DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES, HIGHWAY STANDARDS & COMMITMENTS			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	3
CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODE
90% FED/10% STATE
WILLIAMSON
URBAN
SAFETY
0021

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	
60603900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (ABUTTING EXISTING PAVEMENT)	FOOT	157	157
60605100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT)	FOOT	156	156
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	113	113
66400105	CHAIN LINK FENCE, 4'	FOOT	71	71
67100100	MOBILIZATION	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	1048	1048
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	437	437
70400100	TEMPORARY CONCRETE BARRIER	FOOT	600	600
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	132	132
70600295	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 2	EACH	2	2
* 72000100	SIGN PANEL - TYPE 1	SQ FT	22	22

* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	5
CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODE
90% FED/10% STATE
WILLIAMSON
URBAN
SAFETY
0021

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	36	36
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	159	159
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	110	110
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	110	110
* 78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	14	14
78200020	CURB REFLECTORS	EACH	10	10
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	8	8
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	196	196
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1
* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	140	140
* 81400100	HANDHOLE	EACH	1	1
* 81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	450	450
* 82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	2	2

* SPECIALTY ITEMS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	6
			CONTRACT NO. 78957	
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODE
90% FED/10% STATE
WILLIAMSON
URBAN
SAFETY
0021

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	
* 82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1	1
* 83002600	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. DAVIT ARM	EACH	2	2
* 83600350	LIGHT POLE FOUNDATION, METAL, 11" BOLT CIRCLE, 8" X 6'	EACH	2	2
* 83800506	BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT OVER STAINLESS STEEL SCREEN	EACH	8	8
* X1400326	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	3	3
X6061310	CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)	SQ FT	552	552
X6640300	CHAIN LINK FENCE REMOVAL	FOOT	78	78
X7010230	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602, SPECIAL	L SUM	1	1
* X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	66	66
* X7800200	PAINT PAVEMENT MARKING CURB	FOOT	157	157

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

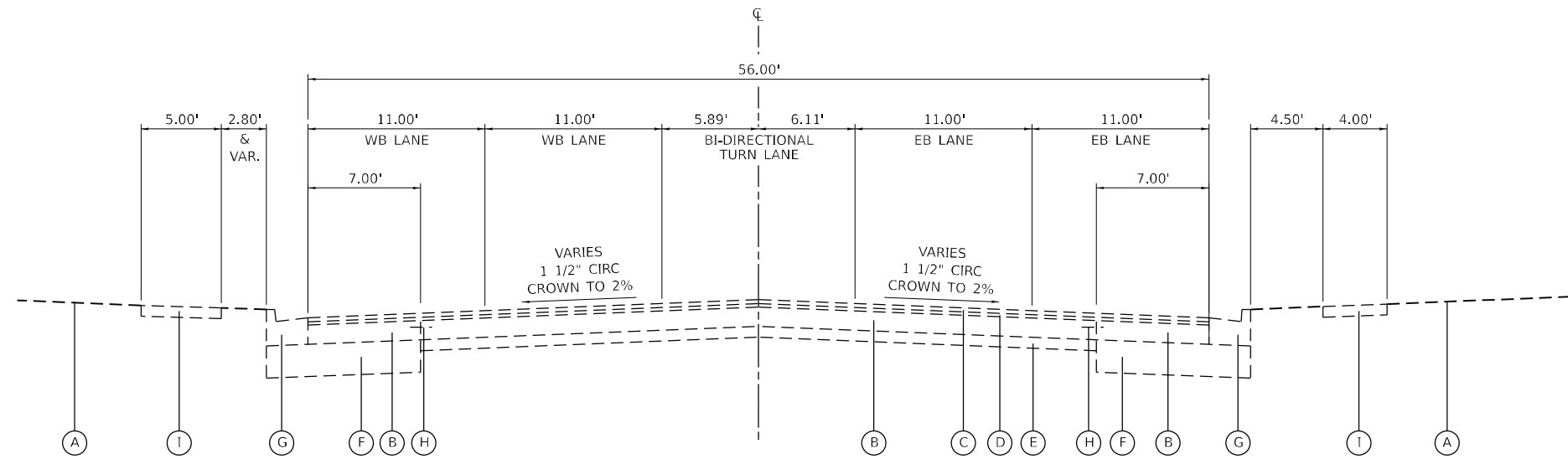
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	7
CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

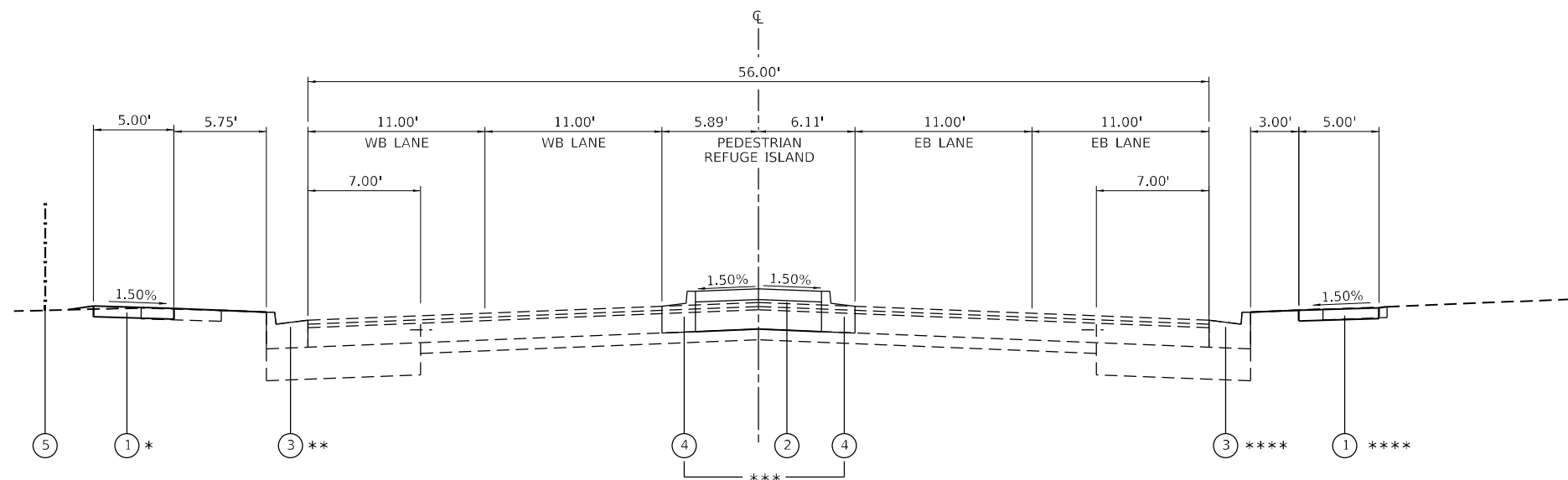
LEGEND

- (A) EX. GROUND
- (B) EX. PCC PAVEMENT, 7 1/4" (10" ORIGINALLY)
- (C) EX. HOT-MIX ASPHALT SURFACE, 1 1/2"
- (D) EX. HOT-MIX ASPHALT BINDER, 1 1/4"
- (E) EX. SUBBASE GRANULAR MATERIAL, 4"
- (F) EX. SUBBASE GRANULAR MATERIAL, 12"
- (G) EX. COMB. CURB & GUTTER, TYPE B-6.24
- (H) EX. EXPANSION TIE ANCHORS 3/4"
- (I) EX. PCC SIDEWALK, 4"
- (1) PR. PCC SIDEWALK, 4"
- (2) PR. CONCRETE MEDIAN SURFACE, 4" (SPECIAL)
- (3) PR. COMB. CURB & GUTTER, TYPE B-6.24 (ABUTTING EX. PAVEMENT)
- (4) PR. COMB. CURB & GUTTER, TYPE B-6.12 (ABUTTING EX. PAVEMENT)
- (5) PR. CHAIN LINK FENCE, 4'



EXISTING TYPICAL SECTION

ILLINOIS ROUTE 13
STA. 38+31.38 TO STA. 39+65.50



PROPOSED TYPICAL SECTION

ILLINOIS ROUTE 13
STA. 38+31.38 TO STA. 39+65.50

- * STA. 38+85.23 TO STA. 39+47.23
- ** STA. 39+05.23 TO STA. 39+27.23
- *** STA. 38+70.94 TO STA. 39+61.53
- **** STA. 38+31.38 TO STA. 39+65.50

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	8
CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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CONCRETE BARRIER SCHEDULE

LOCATION				TEMPORARY CONCRETE BARRIER	PINNING TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE), TEST LEVEL 2	PAVEMENT MARKING BLACKOUT TAPE, 5"	SHORT TERM PAVEMENT MARKING REMOVAL	BARRIER WALL REFLECTORS, TYPE B
STATION	TO	STATION	LOCATION	FOOT	EACH	EACH	FOOT	SQ FT	EACH
IL 13									
36+15.00	TO	41+38.84	SKIP DASH EB				524.0	218.3	
36+91.16	TO	42+15.00	SKIP DASH WB				524.0	218.3	
36+91.16	TO	39+90.00	RT	300.0	66.0	1.0			
38+40.00	TO	41+38.84	RT	300.0	66.0	1.0			
38+40.00	TO	39+90.00	LT/RT						7.0
38+40.00	TO	39+90.00	LT/RT						7.0
TOTAL :				600	132	2	1048	437	14

SIDEWALK, CURB & GUTTER, AND MEDIAN SCHEDULE

LOCATION				PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 10 INCH	DETECTABLE WARNINGS	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (ABUTTING EXISTING PAVEMENT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT)	CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)	CONCRETE MEDIAN, TYPE SB-6.12
STATION	TO	STATION	LT/RT	SQ FT	SQ FT	SQ FT	FOOT	FOOT	SQ FT	SQ FT
IL 13										
38+31.38	TO	38+58.41	RT	117.6						
38+31.38	TO	39+65.50	RT					134.1		
38+70.94	TO	38+76.94	LT/RT							56.7
38+76.94	TO	39+10.73	LT/RT						276.1	
38+76.94	TO	39+55.53	LT				78.7			
38+76.94	TO	39+55.53	RT				78.7			
38+82.41	TO	39+65.50	RT	446.0						
38+90.23	TO	39+42.23	LT	378.4						
39+05.23	TO	39+27.23	LT					22.0		
39+11.23	TO	39+21.23	LT			40.0				
39+11.23	TO	39+21.23	RT			40.0				
39+11.24	TO	39+21.24	LT/RT		97.2					
39+21.73	TO	39+55.53	LT/RT						276.1	
39+55.53	TO	39+61.53	LT/RT							56.7
TOTAL :				942	97	80	157	156	552	113



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	9
CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

REMOVAL SCHEDULE									
LOCATION				PAVEMENT REMOVAL	DRIVEWAY PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	PAVEMENT MARKING REMOVAL - GRINDING
STATION	TO	STATION	NOTES	SQ YD	SQ YD	FOOT	SQ FT	EACH	SQ FT
IL 13									
38+31.38	TO	38+45.88	RT				49.8		
38+31.38	TO	39+65.50	RT			134.1			
38+54.67			CE, RT		25.4				
38+63.30	TO	39+20.00	RT				210.9		
38+70.94	TO	39+61.53	LT/RT	112.5					196.0
38+75.44			LT/RT					2	
38+90.23	TO	39+42.23	LT				309.6		
39+05.23	TO	39+27.23	LT			22.0			
39+15.44			LT/RT					4	
39+33.62			CE, RT		35.9				
39+47.43	TO	39+65.47	RT				56.8		
39+55.44			LT/RT					2	
TOTAL :				112	61	156	627	8	196

REMOVE SIGN PANEL ASSEMBLY SCHEDULE			
LOCATION		SIGN TYPE (FOR INFORMATION ONLY)	REMOVE SIGN PANEL ASSEMBLY - TYPE B
			EACH
IL 13			
N. GARFIELD ST	NE QUAD	W11-2 (36X36)	1
		W16-7P (24X12)	
	SE QUAD	W11-2 (36X36)	1
		W16-7P (24X12)	
TOTAL :			2

ENTRANCE IMPROVEMENT SCHEDULE						
LOCATION	TYPE OF ENTR.	EX. MATER. TYPE	WIDTH	LENGTH	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	
STATION			FOOT	FOOT	SQ YD	
IL 13						
38+70.41	RT	CE	CONC	24	8.0	28
TOTAL :						28

PAVEMENT MARKING SCHEDULE									
DESCRIPTION					THERMOPLASTIC PAVEMENT MARKING		PAINT PAVEMENT MARKING - RAISED MEDIAN	PAINT PAVEMENT MARKING CURB	GROOVING FOR RECESSED PAVEMENT MARKING 25"
STATION	TO	STATION	LOCATION	TYPE	LINE 4"	LINE 24"			
					YELLOW FOOT	WHITE FOOT	SQ FT	FOOT	FOOT
IL 13									
36+15.00	TO	41+38.84	SKIP DASH EB						
36+91.16	TO	42+15.00	SKIP DASH WB						
38+70.94	TO	39+10.73	BIDIRECTIONAL LT	SINGLE	39.8				
38+70.94	TO	39+10.73	BIDIRECTIONAL RT	SINGLE	39.8				
38+71.94	TO	38+76.94	MEDIAN NOSE				32.9		
38+76.94	TO	39+55.53	MEDIAN C&G					78.7	
38+76.94	TO	39+55.53	MEDIAN C&G					78.7	
39+10.72	TO	39+21.72	CROSSWALK (ZEBRA)	SINGLE		110.0			110.0
39+21.73	TO	39+61.53	BIDIRECTIONAL LT	SINGLE	39.8				
39+21.73	TO	39+61.53	BIDIRECTIONAL RT	SINGLE	39.8				
39+55.53	TO	39+60.53	MEDIAN NOSE				32.9		
TOTAL :					159	110	66	157	110

CURB REFLECTORS SCHEDULE				
LOCATION				CURB REFLECTORS
STATION	TO	STATION	LOCATION	EACH
IL 13				
38+70.94	TO	39+61.53	LT/RT	10
TOTAL :				10

MODEL: Default
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TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220
 USER NAME = dlce
 PLOT SCALE = 20,0000 * / in.
 PLOT DATE = 10/6/2022

DESIGNED - JCL
 DRAWN - JCL
 CHECKED - TBP
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
 SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	10
CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

SIGNAGE SCHEDULE										
LOCATION			DESCRIPTION				SIGN PANEL - TYPE 1		TELESCOPING STEEL SIGN SUPPORT	
STATION		SIGN	SHAPE	SIZE		SQ FT	FOOT			
IL 13										
38+25.00	32.00	RT	W11-2 (YELLOW)		REC	36	X	36	9.00	18.2
			W16-9P (YELLOW)		REC	24	X	12	2.00	
40+08.00	32.00	LT	W11-2 (YELLOW)		REC	36	X	36	9.00	18.2
			W16-9P (YELLOW)		REC	24	X	12	2.00	
TOTAL :								22	36	

FENCE SCHEDULE					
LOCATION				CHAIN LINK FENCE, 4'	CHAIN LINK FENCE REMOVAL
STATION	TO	STATION	LOCATION	FOOT	FOOT
IL 13					
38+78.18	TO	39+55.63	LT	71.2	77.5
TOTAL :				71	78

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USER NAME = dllee
DESIGNED - JCL
DRAWN - JCL
CHECKED - TBP
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PLOT DATE = 8/23/2022

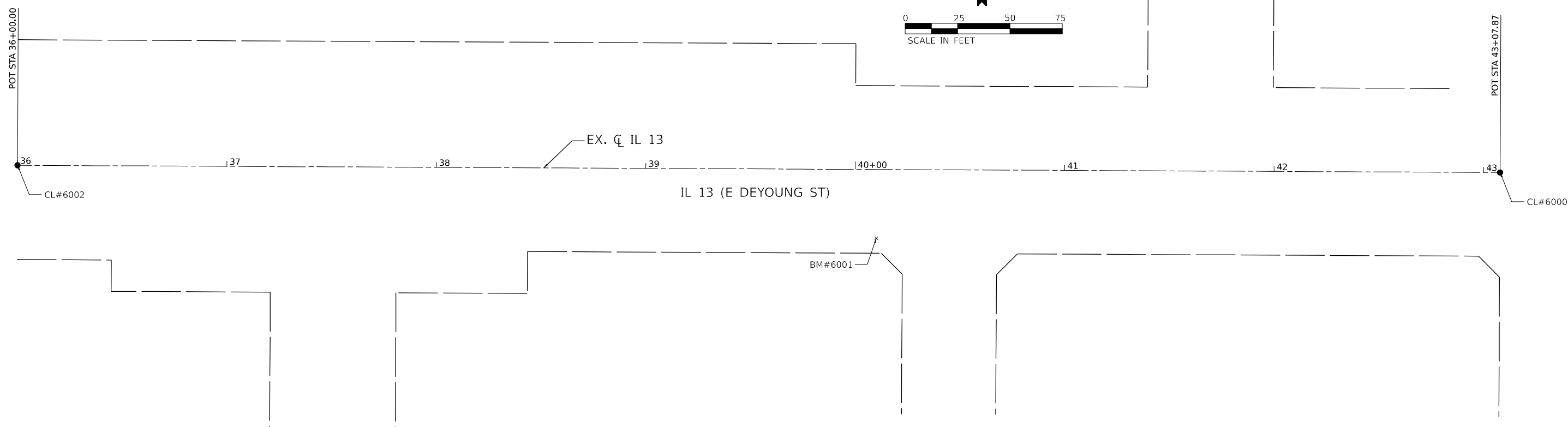
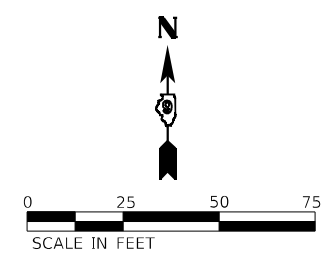
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REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

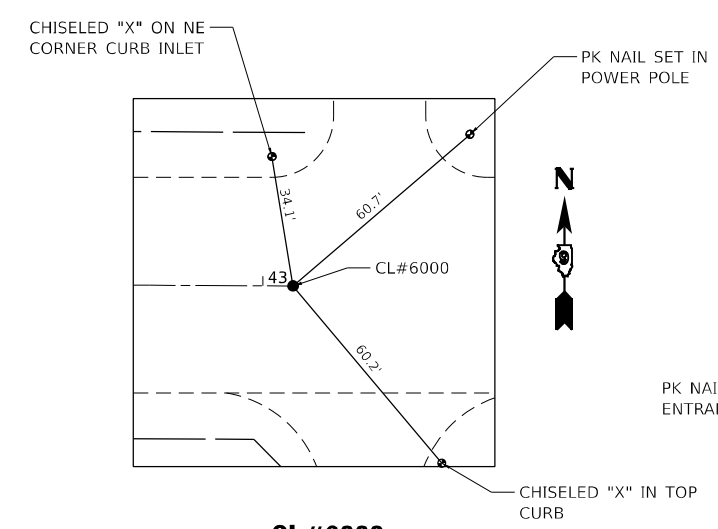
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	11
CONTRACT NO. 78957				
ILLINOIS			FED. AID PROJECT	

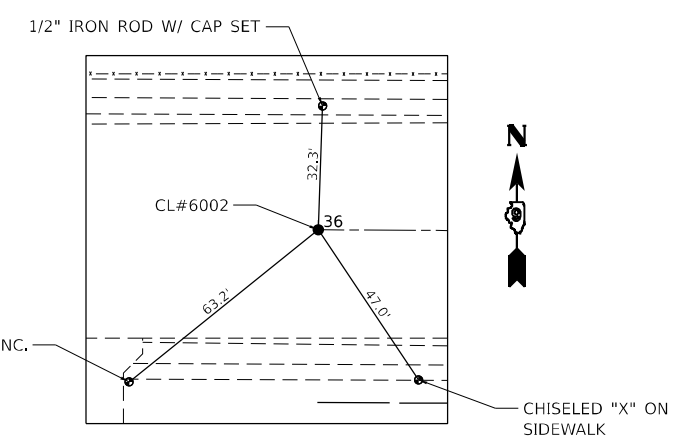


CONTROL POINTS & BENCHMARKS

POINT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
CL#6000	PK NAIL SET	391540.62	815248.99	
CL#6002	PK NAIL SET	391544.05	814541.14	
BM#6001	RR SPIKE SET IN PP			444.59



CL#6000
 POT STA: 43+07.87
 OFF: 0.00'
 PK NAIL SET



CL#6002
 POT STA: 36+00.00
 OFF: 0.00'
 PK NAIL SET

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 CHECKED - TBP
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 PLOT DATE = 8/25/2022

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENTS, TIES, AND BENCHMARKS
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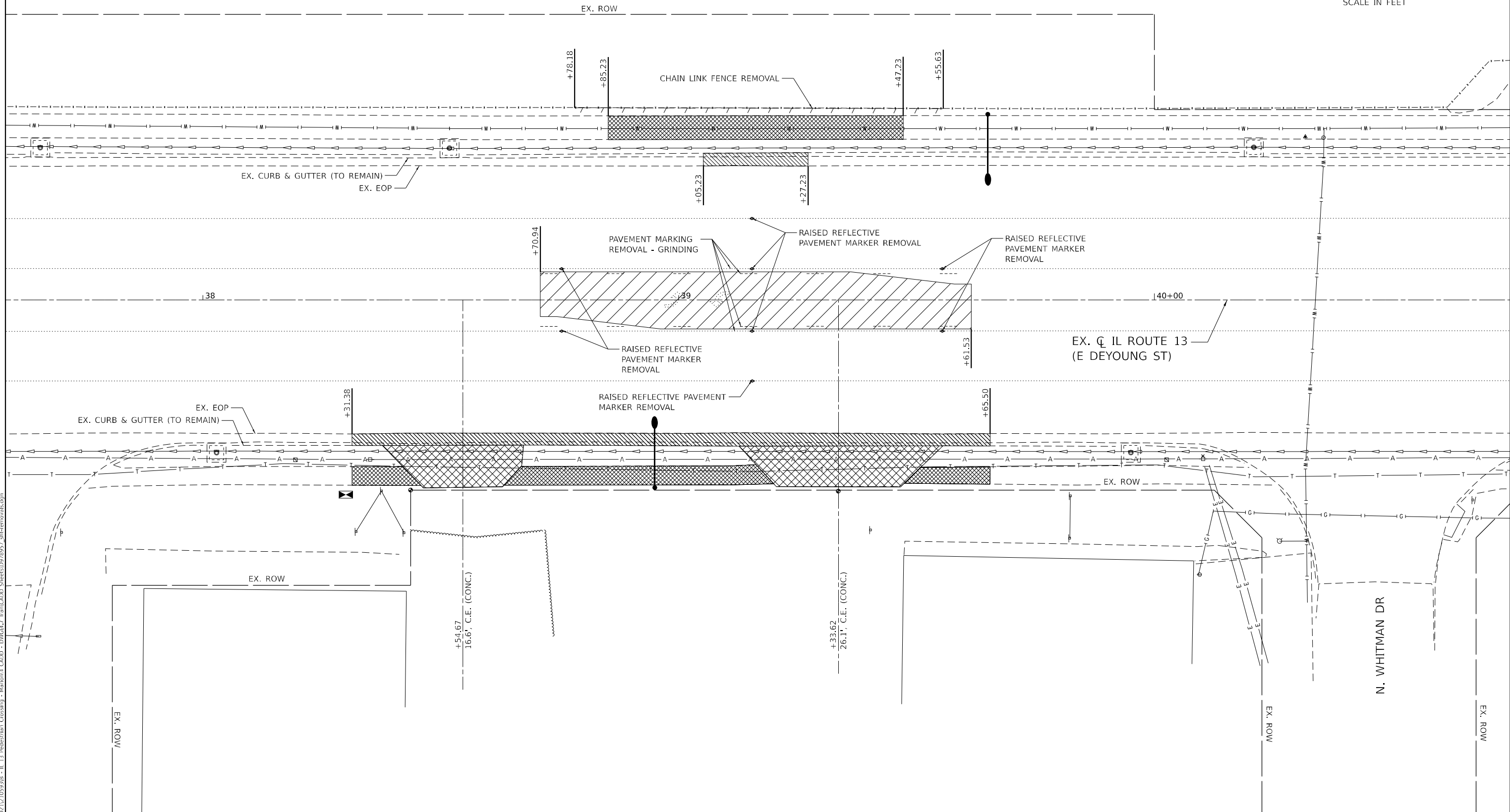
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331	6Z(SFY-1)	WILLIAMSON	26	12
CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- COMB. CURB & GUTTER REMOVAL

NOTES

1. REMOVE SIGN PANEL ASSEMBLY - TYPE B. SIGNS TO BE REMOVED ARE ON N. GARFIELD STREET AND ARE NOT SHOWN ON THIS SHEET. SEE SCHEDULES FOR ADDITIONAL INFO.
2. REMOVAL LIMITS FOR EXISTING PCC SIDEWALK AND CURB & GUTTER MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER TO THE NEAREST JOINT.



MODEL: Default
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USER NAME = dllee
PLOT SCALE = 20,0000 * / in.
PLOT DATE = 10/6/2022

DESIGNED - JCL
DRAWN - JCL
CHECKED - TBP
DATE -

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REVISED -

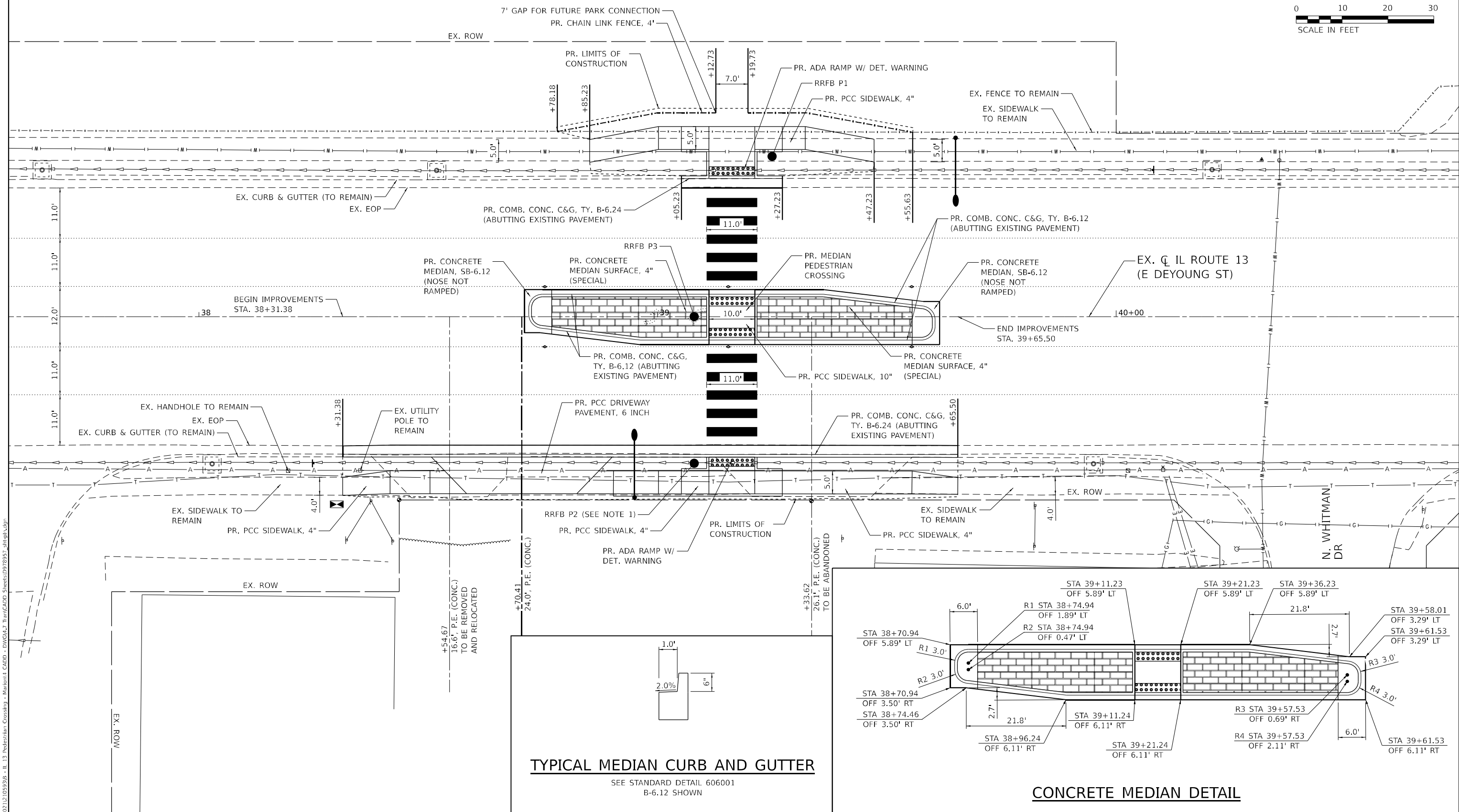
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN ILLINOIS ROUTE 13	
SCALE: 1"=10'	SHEET 1 OF 1 SHEETS
STA.	TO STA.

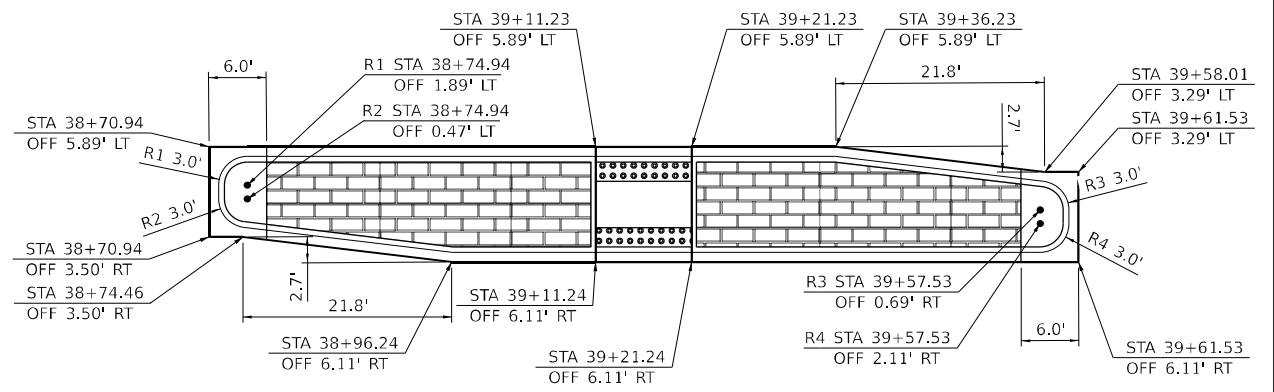
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CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

NOTES

- 0.69 FT BETWEEN BOTTOM OF PROPOSED CONCRETE FOUNDATION AND TOP OF EXISTING STORM SEWER



TYPICAL MEDIAN CURB AND GUTTER
SEE STANDARD DETAIL 606001
B-6.12 SHOWN



CONCRETE MEDIAN DETAIL

MODEL: Default
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LICENSE NO: 184-001220

USER NAME = dllee	DESIGNED - JCL	REVISED -
PLOT SCALE = 20,0000 * / in.	DRAWN - JCL	REVISED -
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

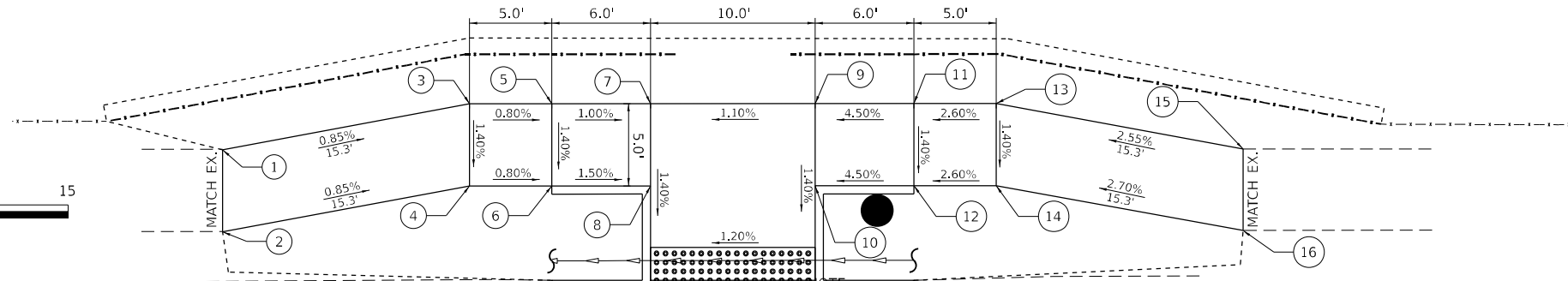
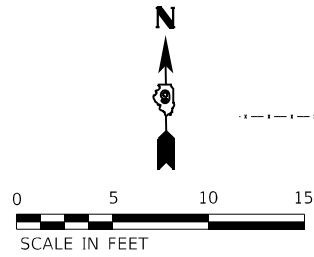
**PLAN SHEET
ILLINOIS ROUTE 13**

SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 331	SECTION 6Z(SFY-1)	COUNTY WILLIAMSON	TOTAL SHEETS 26	SHEET NO. 14
CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

SOUTH ADA RAMP

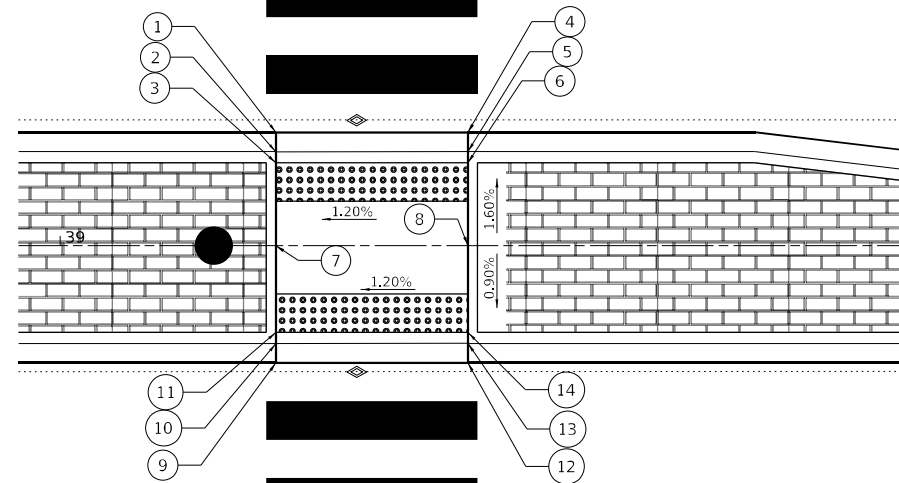
POINT	NORTHING	EASTING	ELEV	DESCRIPTION
1	391514.71	814772.38	440.88 (MATCH EX)	EOP
2	391512.90	814772.37	440.78 (MATCH EX)	FL
3	391512.30	814772.37	441.21 (MATCH EX)	BOC
4	391514.79	814791.70	441.05 (MATCH EX)	EOP
5	391512.79	814791.69	440.93	FL
6	391512.21	814791.68	441.06	BOC
7	391514.58	814831.10	441.48 (MATCH EX)	EOP
8	391512.58	814831.09	441.36	FL
9	391511.99	814831.09	441.49	BOC
10	391514.46	814852.23	441.74 (MATCH EX)	EOP
11	391512.46	814852.22	441.64	FL
12	391511.88	814852.22	441.68	BOC
13	391514.41	814862.23	441.86 (MATCH EX)	EOP
14	391512.41	814862.22	441.76	FL
15	391511.83	814862.21	441.80	BOC
16	391514.13	814906.50	442.35 (MATCH EX)	EOP
17	391512.18	814906.49	442.23 (MATCH EX)	FL
18	391511.55	814906.49	442.45 (MATCH EX)	BOC
19	391507.86	814772.33	441.29 (MATCH EX)	SIDEWALK
20	391503.94	814772.31	441.54 (MATCH EX)	SIDEWALK
21	391509.25	814782.66	441.57	SIDEWALK
22	391504.25	814782.63	441.64	SIDEWALK
23	391509.21	814791.38	441.53	SIDEWALK
24	391504.21	814791.35	441.61	SIDEWALK
25	391509.19	814794.56	441.48	SIDEWALK/ENT
26	391504.16	814799.35	441.53	SIDEWALK/ENT
27	391509.01	814828.19	441.75	SIDEWALK/ENT
28	391504.04	814823.35	441.75	SIDEWALK/ENT
29	391508.99	814831.38	441.80	SIDEWALK
30	391503.99	814831.35	441.88	SIDEWALK
31	391508.94	814841.20	441.87	SIDEWALK
32	391503.94	814841.18	441.94	SIDEWALK
33	391508.91	814846.20	441.90	SIDEWALK
34	391503.91	814846.18	441.97	SIDEWALK
35	391508.88	814852.20	441.73	SIDEWALK
36	391503.88	814852.18	441.80	SIDEWALK
37	391508.83	814862.20	441.85	SIDEWALK
38	391503.83	814862.18	441.92	SIDEWALK
39	391508.79	814868.20	442.00	SIDEWALK
40	391503.77	814868.18	442.07	SIDEWALK
41	391508.64	814896.48	442.64	SIDEWALK
42	391503.64	814896.42	442.71	SIDEWALK
43	391507.14	814906.46	442.84 (MATCH EX)	SIDEWALK
44	391503.51	814906.41	443.02 (MATCH EX)	SIDEWALK
45	391512.10	814811.40	441.26	BOC
46	391509.10	814811.38	441.56	ENTRANCE
47	391504.10	814011.35	441.64	ENTRANCE



NOTE: ALL BARRIER CURB FOR ADA RAMP ARE 6 INCHES TALL AND 6 INCHES WIDE UNLESS OTHERWISE NOTED.

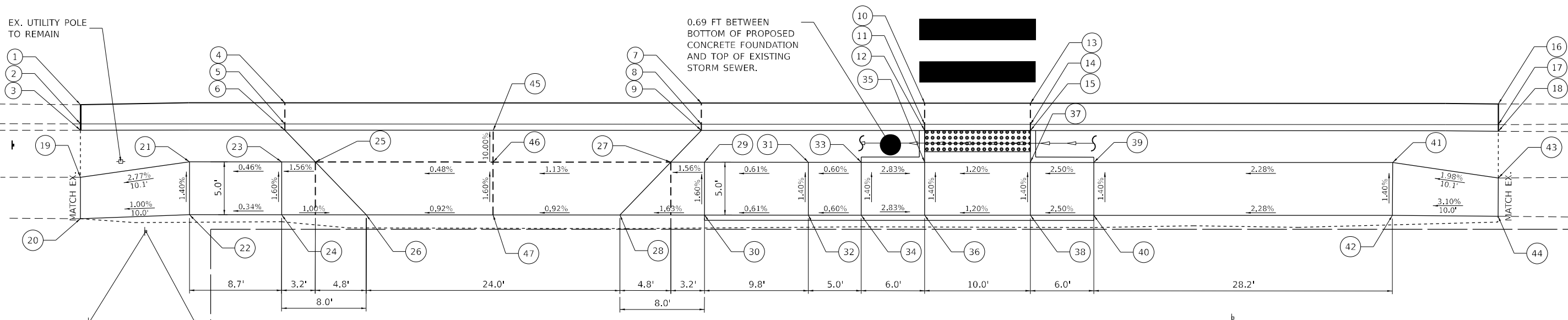
MEDIAN ADA RAMP

POINT	NORTHING	EASTING	ELEV	DESCRIPTION
1	391548.43	814852.40	442.17 (MATCH EX)	EOP
2	391547.42	814852.39	442.19	FL
3	391546.85	814852.39	442.23	BOC
4	391548.38	814862.40	442.29 (MATCH EX)	EOP
5	391547.38	814862.39	442.31	FL
6	391546.80	814862.39	442.35	BOC
7	391542.54	814852.37	442.30	SW
8	391542.49	814862.37	442.42	SW
9	391536.43	814852.34	442.2 (MATCH EX)	EOP
10	391537.43	814852.34	442.22	FL
11	391538.01	814852.35	442.26	BOC
12	391536.38	814862.34	442.32 (MATCH EX)	EOP
13	391537.39	814862.34	442.34	FL
14	391537.97	814862.35	442.38	BOC



NORTH ADA RAMP

POINT	NORTHING	EASTING	ELEV	DESCRIPTION
1	391581.31	814826.55	442.07 (MATCH EX)	SIDEWALK
2	391576.32	814826.53	422.01 (MATCH EX)	SIDEWALK
3	391584.04	814841.56	441.94	SIDEWALK
4	391579.04	814841.54	441.88	SIDEWALK
5	391584.02	814846.56	441.90	SIDEWALK
6	391579.02	814846.54	441.84	SIDEWALK
7	391583.99	814852.56	441.84	SIDEWALK
8	391578.99	814852.54	441.77	SIDEWALK
9	391583.94	814862.56	441.95	SIDEWALK
10	391578.94	814862.54	441.88	SIDEWALK
11	391583.92	814868.56	442.22	SIDEWALK
12	391578.92	814868.54	442.15	SIDEWALK
13	391583.89	814873.56	442.35	SIDEWALK
14	391578.89	814873.54	442.28	SIDEWALK
15	391581.06	814888.55	442.74 (MATCH EX)	SIDEWALK
16	391576.09	814888.53	442.69 (MATCH EX)	SIDEWALK
17	391570.69	814846.50	441.66 (MATCH EX)	EOP
18	391572.69	814846.51	441.55 (MATCH EX)	FL
19	391573.27	814846.51	442.00 (MATCH EX)	BOC
20	391570.66	814852.50	441.75 (MATCH EX)	EOP
21	391572.66	814852.51	441.65	FL
22	391573.24	814852.51	441.69	BOC
23	391570.61	814862.50	441.86 (MATCH EX)	EOP
24	391572.61	814862.51	441.76	FL
25	391573.19	814862.51	441.80	BOC
26	391570.58	814868.50	441.94 (MATCH EX)	EOP
27	391572.50	814060.51	441.01 (MATCH EX)	FL
28	391573.17	814868.51	442.29 (MATCH EX)	BOC



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
ILLINOIS ROUTE 13



TWM, INC.
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ILLINOIS DESIGN FIRM
LICENSE NO: 184-001220







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	DATE -	REVISED -

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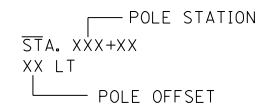
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CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

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LEGEND

-  PROPOSED LIGHTING UNIT MOUNTED ON BREAKAWAY COUPLING BASE, 40' MOUNTING HEIGHT, ALUMINUM POLE, 15' DAVIT ARM, LED LUMINAIRE, TYPE II
-  PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
-  PROPOSED ELECTRIC CABLE IN CONDUIT, SIZE AND TYPE AS NOTED
-  PROPOSED UNIT DUCT IN 2" DIA. UNDERGROUND COILABLE NONMETALLIC CONDUIT UNLESS OTHERWISE NOTED ON THE PLANS
-  PROPOSED LIGHTING CONTROLLER, TYPE AS NOTED
-  PROPOSED HANDHOLE, TYPE AS NOTED

LIGHT POLE



INDEX OF DRAWINGS

SHEET NO.	TITLE
16	LIGHTING LEGEND, NOTES AND QUANTITIES
1	IL 13 MID-BLOCK CROSSING PROPOSED LIGHTING PLAN
18	RECTANGULAR RAPID FLASHING BEACON LAYOUT PLAN
25-26	DISTRICT 9 STANDARDS

ABBREVIATIONS

SYMBOL	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CNC	COILABLE NONMETALLIC CONDUIT
CTRL	CONTROLLER
CP	CONTROL PANEL
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
EM	EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM)
ER	EXISTING RELOCATED UNIT
ET	EXISTING TEMPORARY UNIT TO REMAIN
ETR	EXISTING TEMPORARY RELOCATED UNIT
FT	FEET OR FOOT
FND BW	FOUNDATION BARRIER WALL
FND BW OS	FOUNDATION BARRIER WALL OFFSET
FND CON	FOUNDATION CONCRETE
FND CON OS	FOUNDATION CONCRETE OFFSET
FND MET	FOUNDATION METAL
FND PW	FOUNDATION PARAPET WALL
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
MA	MAST ARM
MM	MILLIMETER
MH	MOUNTING HEIGHT
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
RGS	RIGID GALVANIZED STEEL
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T	TEMPORARY LIGHTING UNIT
TB	TRANSFORMER BASE
TMP	TEMPORARY
TR	TEMPORARY UNIT TO BE REMOVED. SALVAGE EQUIPMENT AS SPECIFIED
TRR	TEMPORARY UNIT TO BE REMOVED AND RELOCATED
TUR	TEMPORARY UNIT ON UTILITY POLE TO BE REMOVED
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
WP	WOOD POLE
XFMR	TRANSFORMER

GENERAL NOTES:

1. OFFSET DISTANCES FOR LIGHT POLES ARE MEASURED FROM THE ROADWAY CENTER LINE TO THE CENTER OF POLE.
2. NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH. POLE SETBACK TO BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL A LIGHT POLE IDENTIFICATION ON EACH NEW LIGHT POLE OWNED BY IDOT, AS SPECIFIED IN ARTICLE 1069.06 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE LOCATION NUMBER FOR ILL RTE. 13. THIS WORK IS INCIDENTAL TO THE RESPECTIVE LIGHT POLE PAY ITEM.

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	140
HANDHOLE	EACH	1
UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	450
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	2
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1
LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. DAVIT ARM	EACH	2
LIGHT POLE FOUNDATION, METAL, 11" BOLT CIRCLE, 8" X 6"	EACH	2
BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT OVER STAINLESS STEEL SCREEN	EACH	8

E-1

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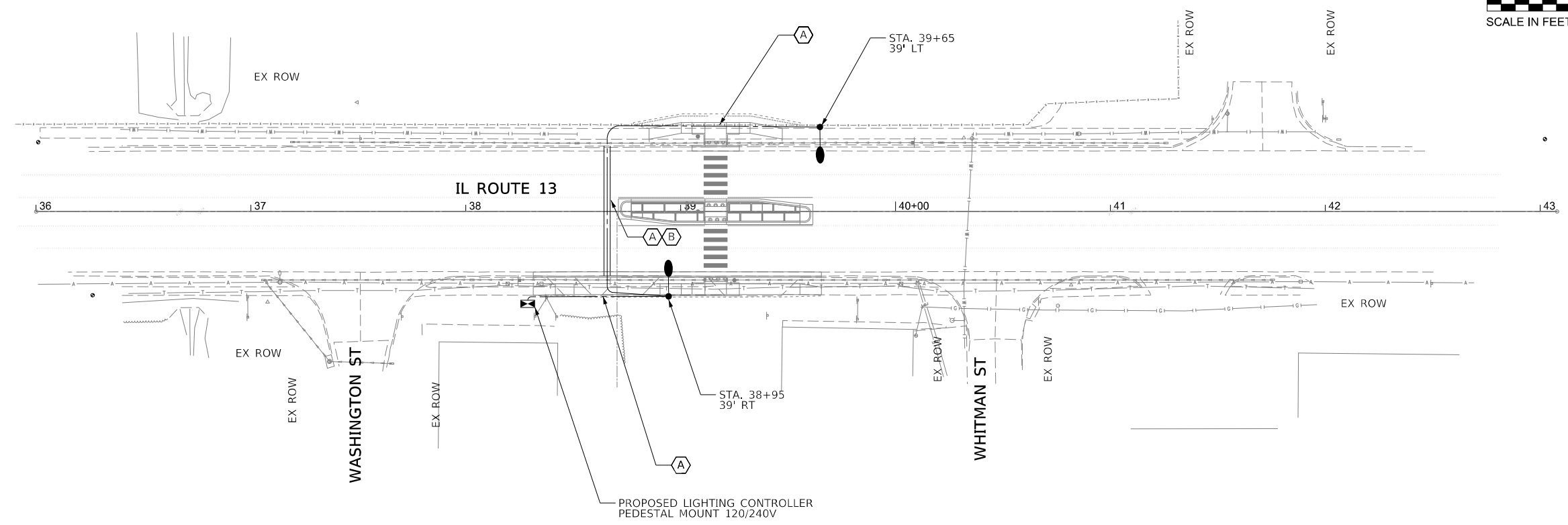
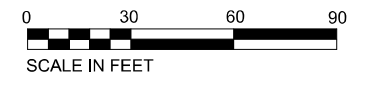
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**STATE OF ILLINOIS
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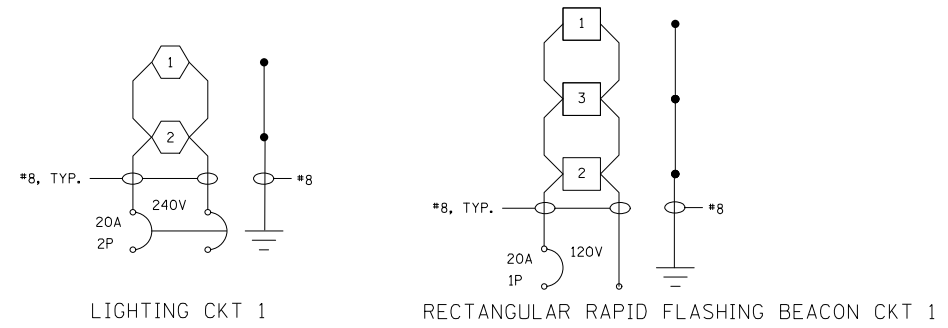
LIGHTING LEGEND, NOTES AND QUANTITIES

SCALE: 1" = 30' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	20	16
			CONTRACT NO. 78957	
		ILLINOIS	FED. AID PROJECT	



WIRING DIAGRAM



LEGEND

- PEDESTRIAN LIGHTING UNIT
- RRFB UNIT

- CABLE LEGEND**
- UNIT DUCT, 600V, 2-1/C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
 - UNDERGROUND CONDUIT, 3" DIA., PVC SCHEDULE 80

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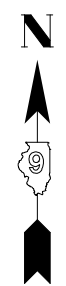
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PLOT SCALE = 1" = 20'	DRAWN - CL	REVISED -
PLOT DATE = 07/15/2022	CHECKED - RP	REVISED -
	DATE - 7/18/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 13 MID-BLOCK CROSSING
PROPOSED LIGHTING PLAN**

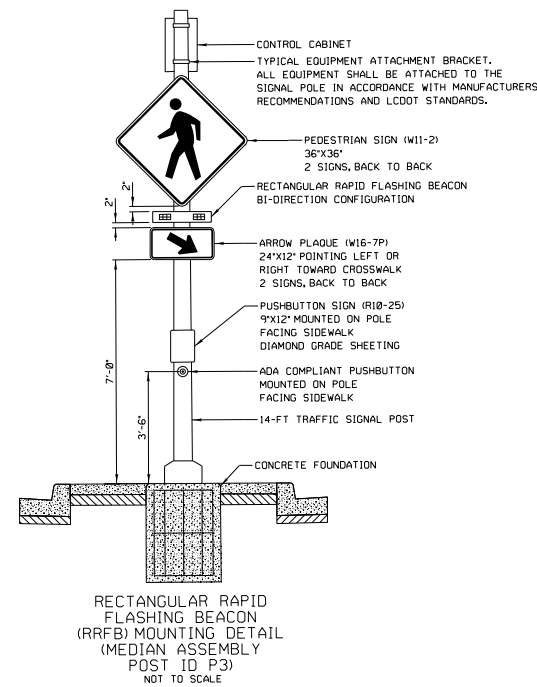
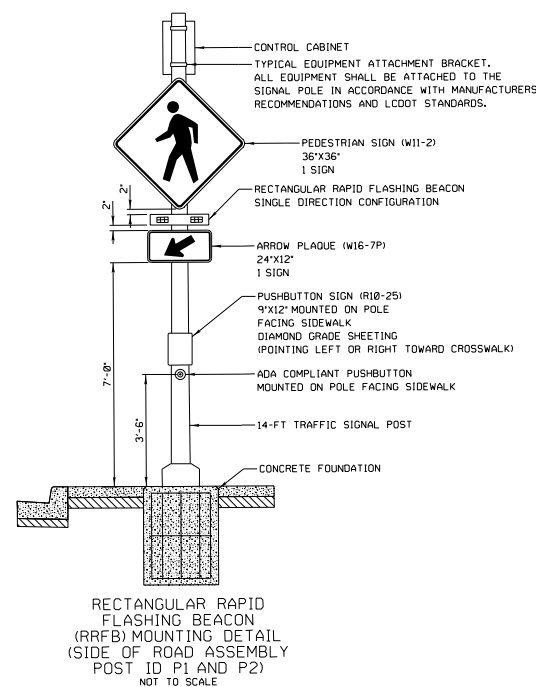
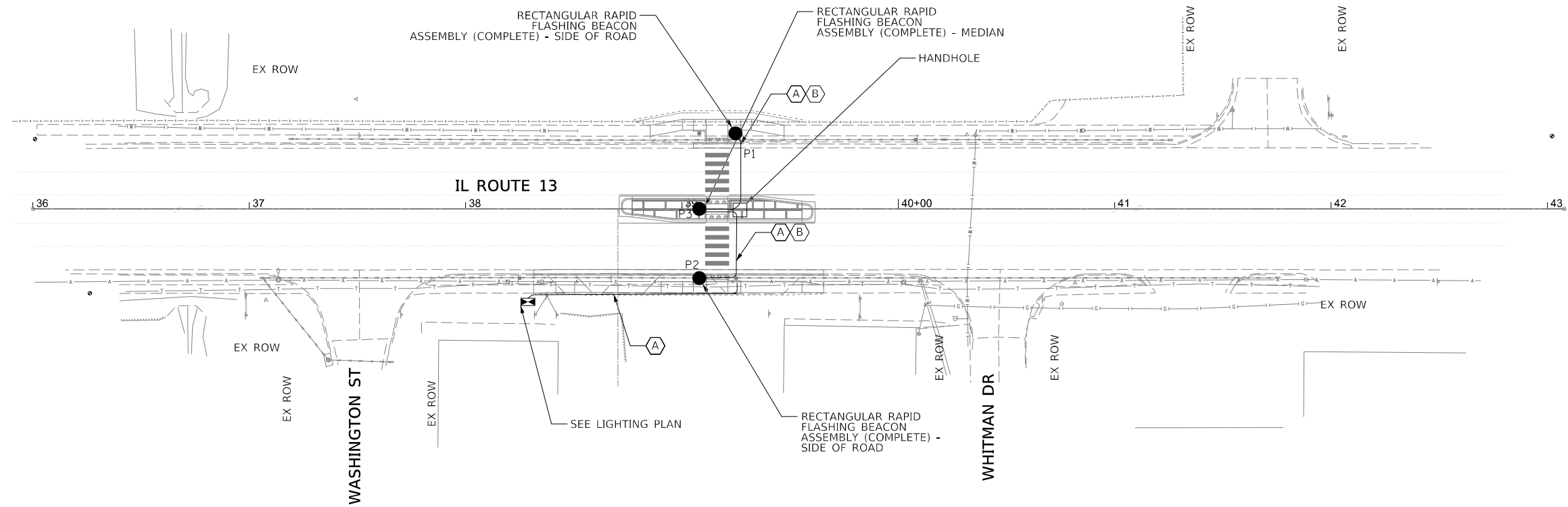
SCALE: 1" = 30' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	20	17
			CONTRACT NO. 78957	
		ILLINOIS	FED. AID PROJECT	



RRFB Posts				
POST ID	STATION	OFFSET	POST MOUNTING TYPE	FOUNDATION
P1	39+25	35' LT	RRFB MOUNTED TO POLE	TYPE A, 24" DIA, 3-FT
P2	39+08	32' RT	RRFB MOUNTED TO POLE	TYPE A, 24" DIA, 3-FT
P3	39+08	0.00	RRFB MOUNTED TO POLE	TYPE A, 24" DIA, 3-FT

ITEM	UNIT	QUANTITY
RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	3



NOTES

- RRFB SYSTEM TO BE HARD WIRED TO LIGHTING CONTROLLER FOR AC POWER VIA 2 1/C#8 CABLE. SEE LIGHTING PLANS FOR ADDITIONAL INFORMATION.
- FLASHING BEACON SIGNS, AND PUSH BUTTONS ARE INCLUDED IN "RAPID RECTANGULAR FLASHING BEACON ASSEMBLY (COMPLETE)". SEE SPECIAL PROVISION.

CABLE LEGEND

- (A) UNIT DUCT, 600V, 2-1/C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- (B) UNDERGROUND CONDUIT, 3" DIA., PVC SCHEDULE 80

MODEL: D:\p1\1150-02104_CADD\CADD_SINCE\078957_LIGHTING_3.dgn
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PLOT SCALE = 1" = 20'	DRAWN - CL	REVISED -
PLOT DATE = 07/15/2022	CHECKED - RP	REVISED -
	DATE - 7/18/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RECTANGULAR RAPID FLASHING BEACON LAYOUT PLAN

SCALE: 1" = 30' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	20	18
				CONTRACT NO. 78957
		ILLINOIS	FED. AID PROJECT	

12" X 12"
BLOCKOUT IN
MEDIAN

NOTE:
LOCATIONS TO BE
DETERMINED BY ENGINEER.
ONE ON EACH SIDE.

ISLAND SIGN BLOCK OUT DETAIL
(FUTURE SIGN LOCATION)



W11-2 (YELLOW)



W16-9P (YELLOW)



EX. ROW

PR. RRFB (P1)
STA: 39+25.00
OFF: 35.00' LT
SEE NOTE 1

PR. SIGN PANEL, TY 1
W/ TELESCOPING
STEEL SIGN SUPPORT
STA: 40+08.00
OFF: 32.00' LT

IL ROUTE 13
(E DEYOUNG ST)

PR. PAINT PAVEMENT
MARKING - RAISED
MEDIAN

PR. RRFB (P3)
STA: 39+08.00
OFF: 0.00' LT
SEE NOTE 1

PR. PAINT PAVEMENT MARKING - CURB (TYP.)

PR. THERMOPLASTIC PAVEMENT MARKING - LINE 4"
SOLID YELLOW LINE

38

40+00

PR. PAINT PAVEMENT
MARKING - CURB (TYP.)

PR. PAINT PAVEMENT
MARKING - RAISED
MEDIAN

PR. THERMOPLASTIC PAVEMENT
MARKING - LINE 24" W/ 24" GAPS
SOLID WHITE (TYP.)

PR. SIGN PANEL, TY 1
W/ TELESCOPING
STEEL SIGN SUPPORT
STA: 38+25.00
OFF: 32.00' RT

PR. RRFB (P2)
STA: 39+08.00
OFF: 32.00' RT
SEE NOTE 1

W11-2 (YELLOW)



EX. ROW

W16-9P (YELLOW)



+54.67
16.6', P.E. (CONC.)

+33.62
26.1', P.E. (CONC.)

N. WHITMAN DR

NOTES

- SEE RECTANGULAR RAPID FLASHING BEACON ASSEMBY (COMPLETE) SPECIAL PROVISION FOR ADDITIONAL SIGNS.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLAN
ILLINOIS ROUTE 13

SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	19
CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

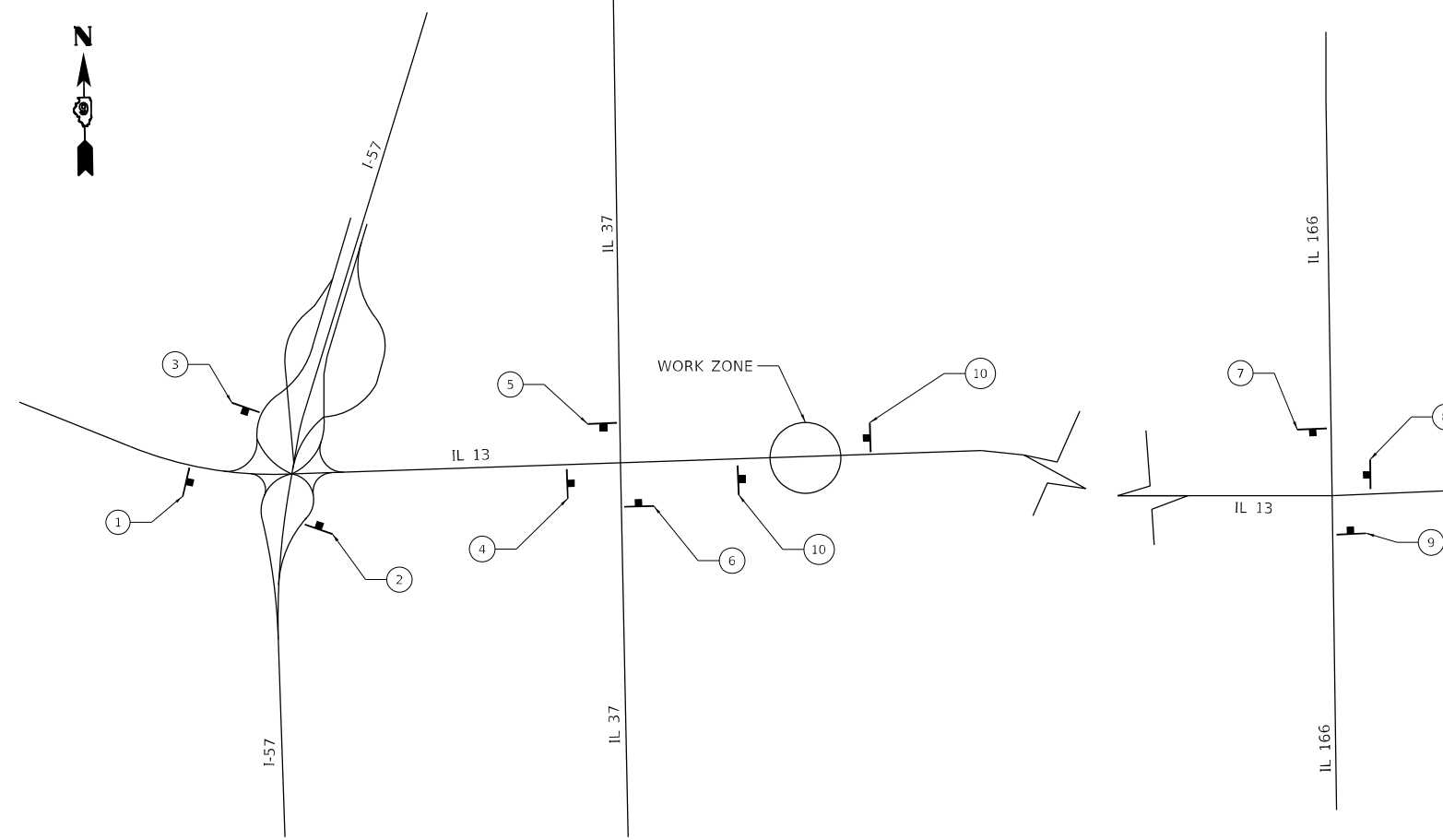
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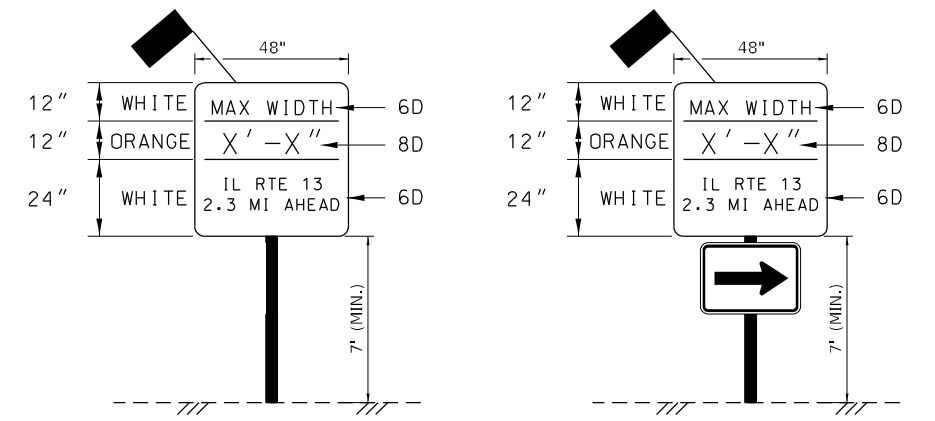
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LICENSE NO: 184-001220

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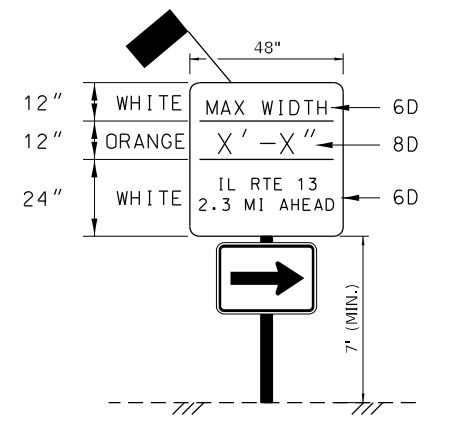
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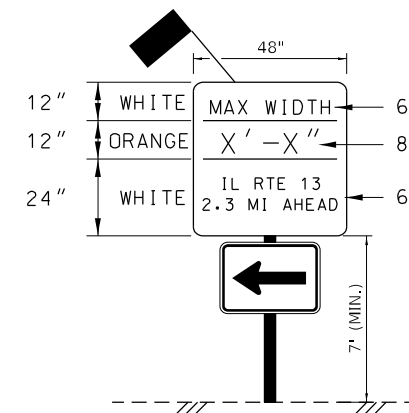
LOCATION MAP
NOT TO SCALE



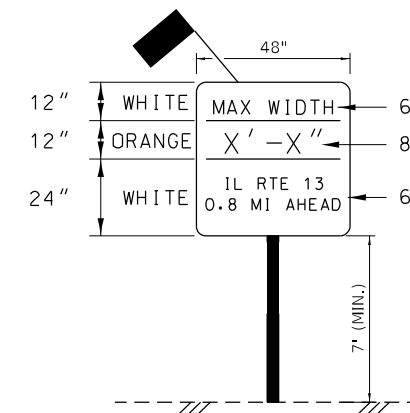
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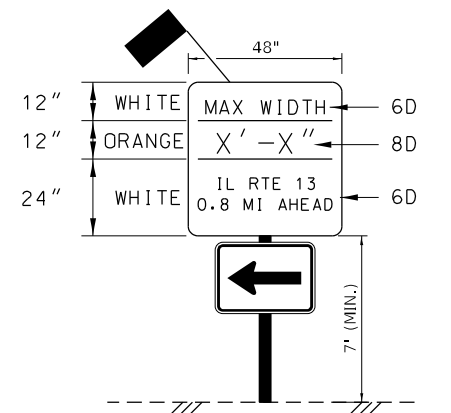
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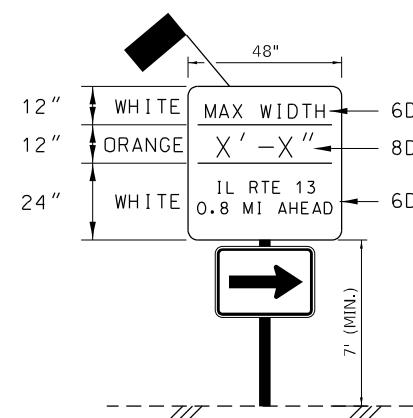
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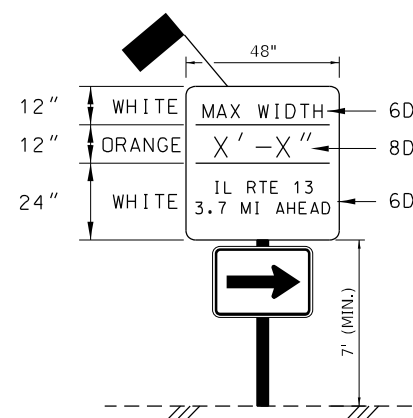
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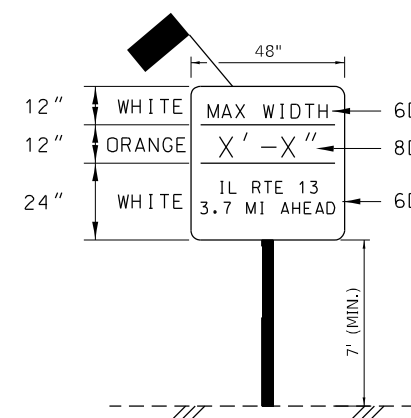
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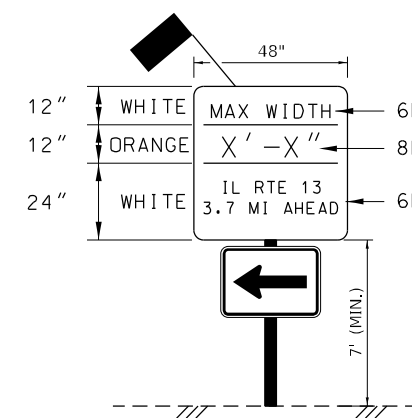
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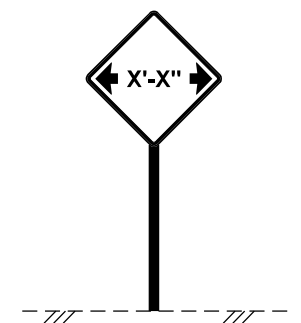
7



8



9



10

MAX WIDTH SIGN DETAIL

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. THE LOCATION OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
3. ALL TRAFFIC CONTROL DEVICES SHOWN ON THIS SHEET WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
4. THE WIDTH SHOWN ON THE SIGN SHALL BE 18" LESS THAN THE ACTUAL WIDTH SHOWN ON THE PLANS.

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LICENSE NO: 184-001220

USER NAME = dllee
DESIGNED - JCL
DRAWN - JCL
CHECKED - TBP
DATE -

REVISED -
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REVISED -

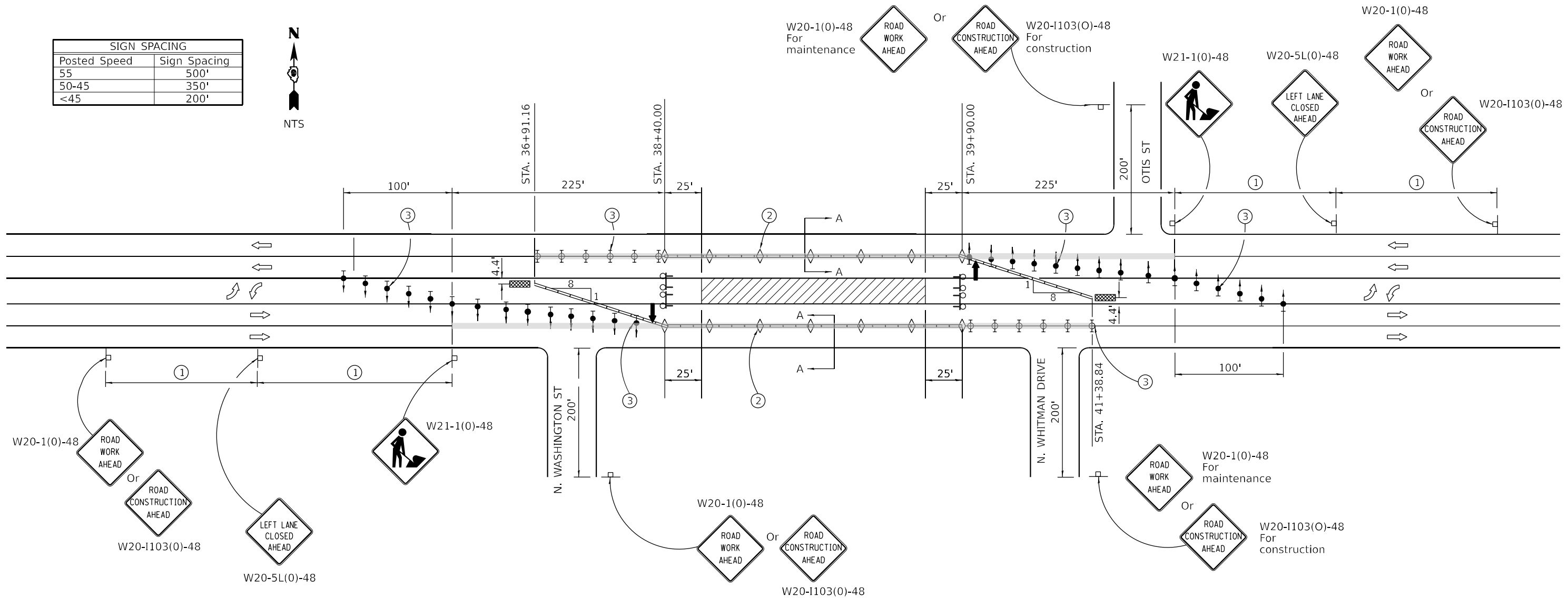
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIDTH RESTRICTION SIGNING

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

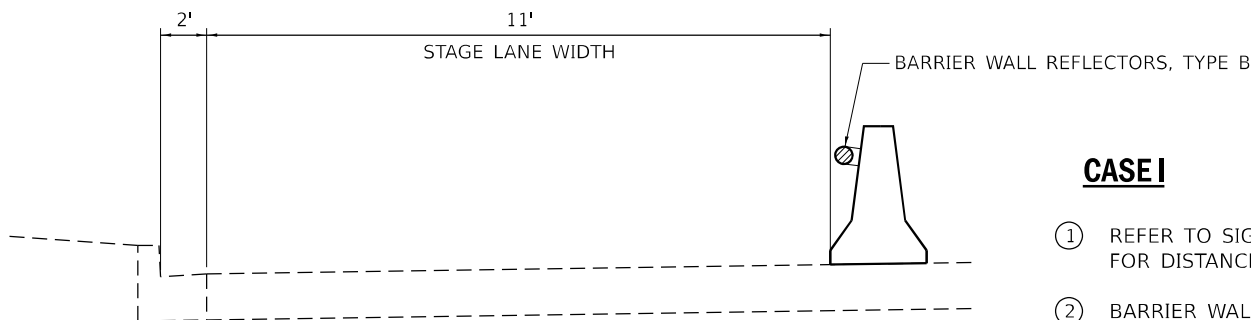
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	20
CONTRACT NO. 78957			ILLINOIS FED. AID PROJECT	

SIGN SPACING	
Posted Speed	Sign Spacing
55	500'
50-45	350'
<45	200'



SYMBOLS

- ARROW BOARD
- WORK AREA
- BARRICADE OR DRUM WITH STEADY BURNING MONDIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- PAVEMENT BLACKOUT TAPE OVER SKIP-DASH LINE
- IMPACT ATTENUATOR
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- AMBER MONODIRECTIONAL BARRIER WALL REFLECTOR



TRAFFIC LANE TYPICAL
SECTION A-A

GENERAL NOTES

- A. THIS STANDARD IS USED WHERE AT ANY TIME, DURING THE DAY, ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCOACH ON THE PAVEMENT REQUIRING THE CLOSURE OF ONE TRAFFIC LANE IN AN URBAN AREA.
- B. IF THE WORK OPERATION IS PERFORMED BETWEEN 9:00 A.M. AND 3.00 P.M. AND DOES NOT EXCEED 15 MIN, TRAFFIC PROTECTION SHALL BE AS SHOWN FOR STANDARD 701426.
- C. TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.
- D. THE LOCATION OF THE TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

CASE I

- ① REFER TO SIGN SPACING TABLE FOR DISTANCES.
- ② BARRIER WALL REFLECTORS AT 25' CTS. SEE STANDARDS 704001 & 782006.
- ③ DRUMS OR BARRICADES AT 20' CENTERS.
- ④ CONES, DRUMS, OR BARRICADES AT 20' CENTERS.

**URBAN LANE CLOSURE,
MULTILANE, 2W WITH
BIDIRECTIONAL LEFT TURN LANE**

(Sheet 1 of 2)

DETAIL

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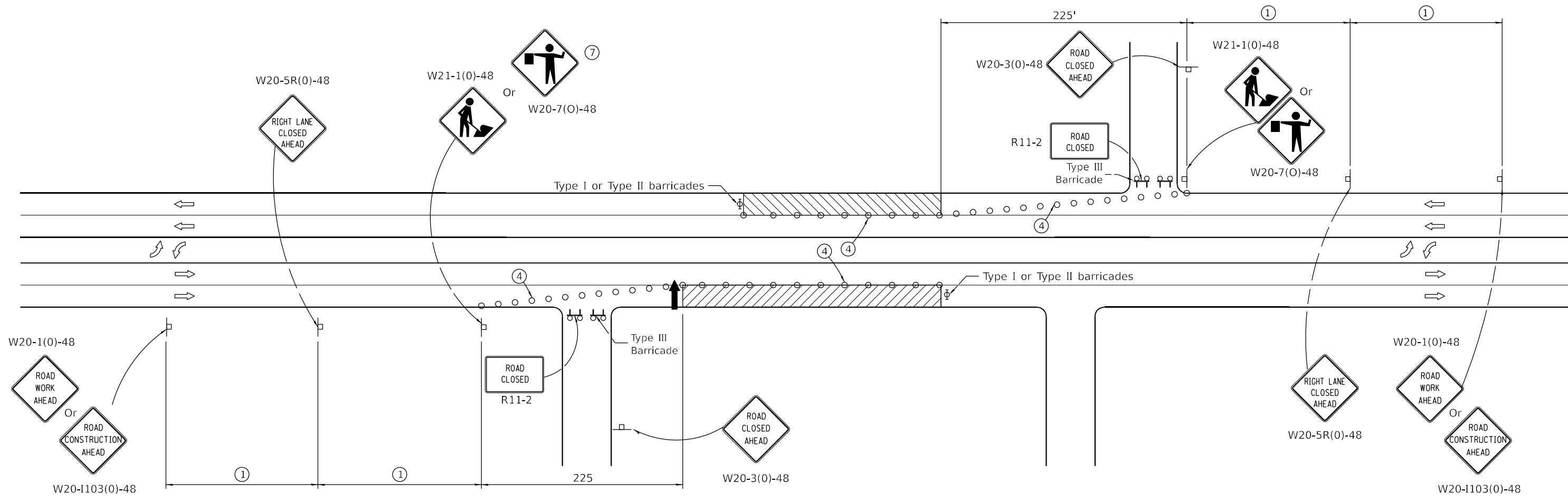
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION
STANDARD 701602, SPECIAL DETAIL**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	21
			CONTRACT NO. 78957	
ILLINOIS FED. AID PROJECT				



CASE IV

**URBAN LANE CLOSURE,
MULTILANE, 2W WITH
BIDIRECTIONAL LEFT TURN LANE**
(Sheet 2 of 2)

DETAIL

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USER NAME = dllee	DESIGNED - JCL	REVISED -
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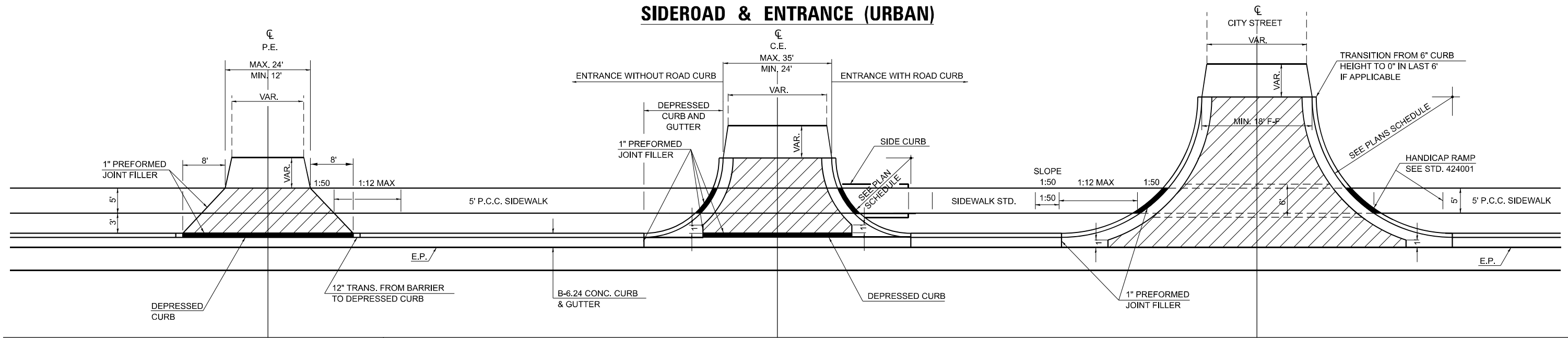
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION
STANDARD 701602, SPECIAL DETAIL**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	22
CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

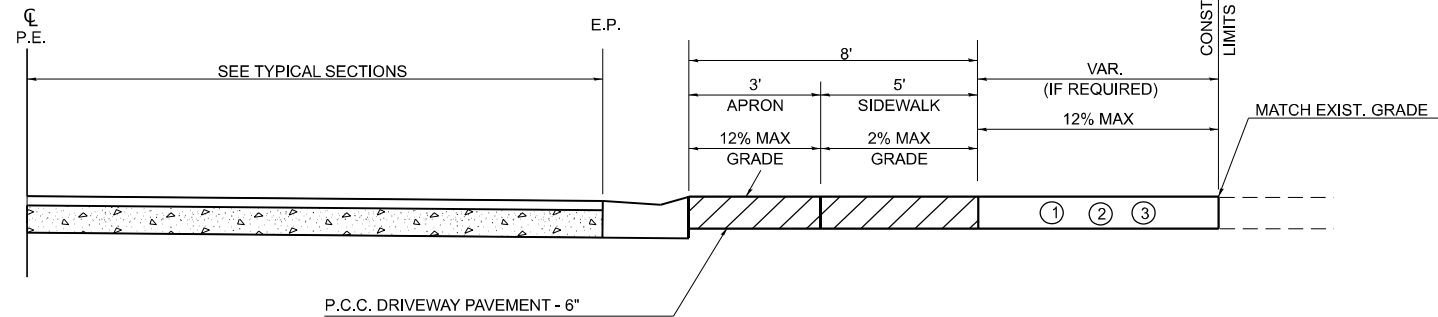
SIDEROAD & ENTRANCE (URBAN)



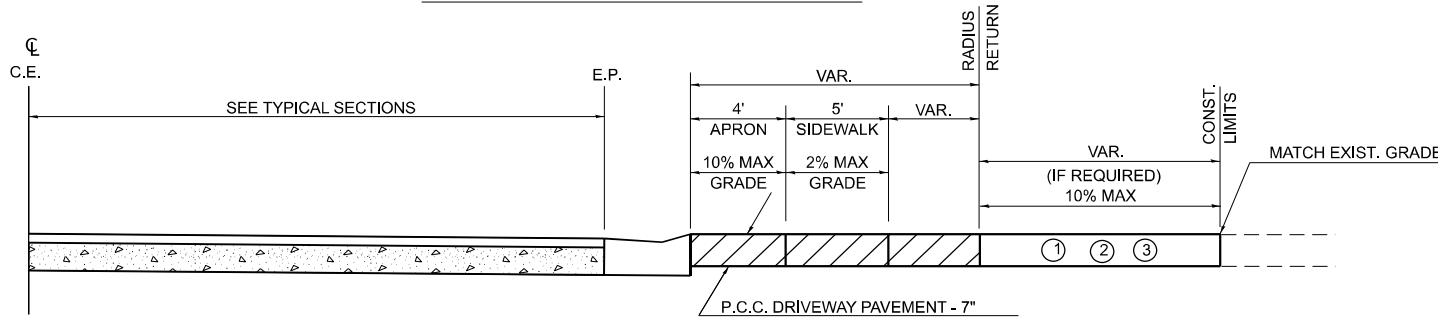
DETAILS PRIVATE ENTRANCE

DETAILS COMMERCIAL ENTRANCE

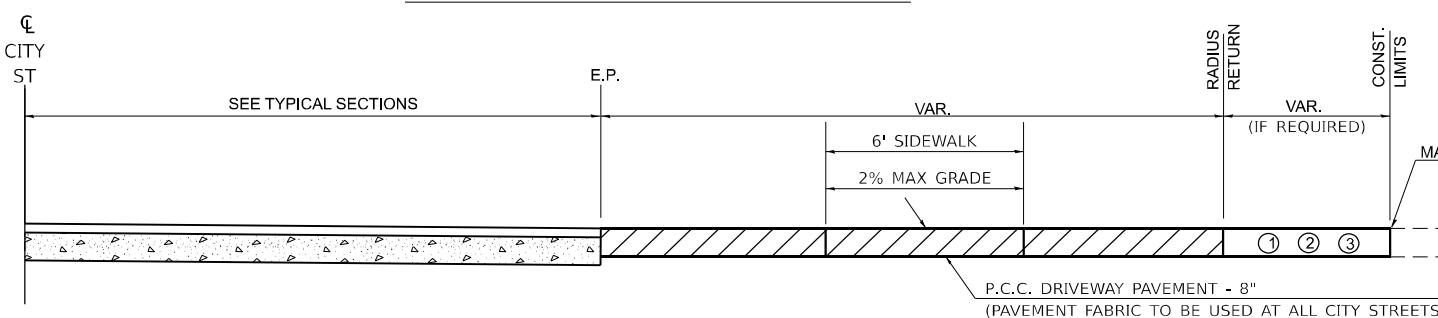
DETAILS CITY STREETS



PROFILE OF PRIVATE ENTRANCES



PROFILE OF COMMERCIAL ENTRANCES



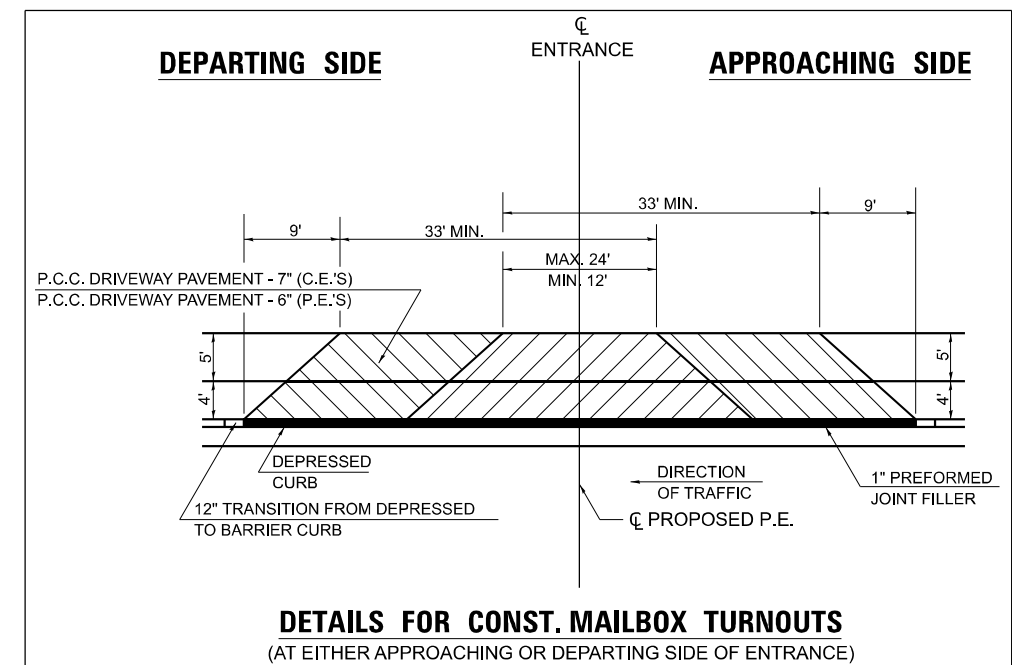
PROFILE OF CITY STREETS

GENERAL NOTES

- SEE PLAN SCHEDULES FOR DIMENSIONS AND QUANTITIES.
- SEE PLAN SHEET ADA CURB RAMP DETAILS FOR PROPOSED PROFILE OF ENTRANCES.
- IN GENERAL, WIDTH TRANSITION TAPER RATES ARE TO BE 5:1 FOR ENTRANCES, AND 10:1 FOR CITY STREETS.
- THE SAWING OF ALL JOINTS IN PCC DRIVEWAY PAVEMENT AT ALL LOCATIONS DESIGNATED BY THE ENGINEER, SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PCC DRIVEWAY PAVEMENT.
- THE SIDEWALK AREA OF THE DRIVEWAY PAVEMENT SHALL BE CONSTRUCTED AS A SEPARATE POUR.

LEGEND

- EXISTING AGGREGATE SURFACE:
CONSTRUCT AGGREGATE SURFACE CSE, TYPE A WEDGE TO MATCH EXISTING GRADE. USE 6" MIN. (8" MIN. FOR CITY STREETS) THICKNESS FOR ANY REQUIRED WIDENING.
- EXISTING BITUMINOUS SURFACE:
USE 2" MIN. BITUMINOUS RESURFACING ON 4" MIN. AGGREGATE BASE COURSE.
- EXISTING CONCRETE SURFACE:
P.C.C. DRIVEWAY PAVEMENT 6" P.E.'S
P.C.C. DRIVEWAY PAVEMENT 7" C.E.'S
P.C.C. DRIVEWAY PAVEMENT 8" CITY STREETS (6" MIN. FOR CITY STREETS)



DETAILS FOR CONST. MAILBOX TURNOUTS
(AT EITHER APPROACHING OR DEPARTING SIDE OF ENTRANCE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 9 DETAILS
SIDEROAD & ENTRANCE (URBAN)

SCALE: NTS SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	23
CONTRACT NO. 78957			ILLINOIS FED. AID PROJECT	

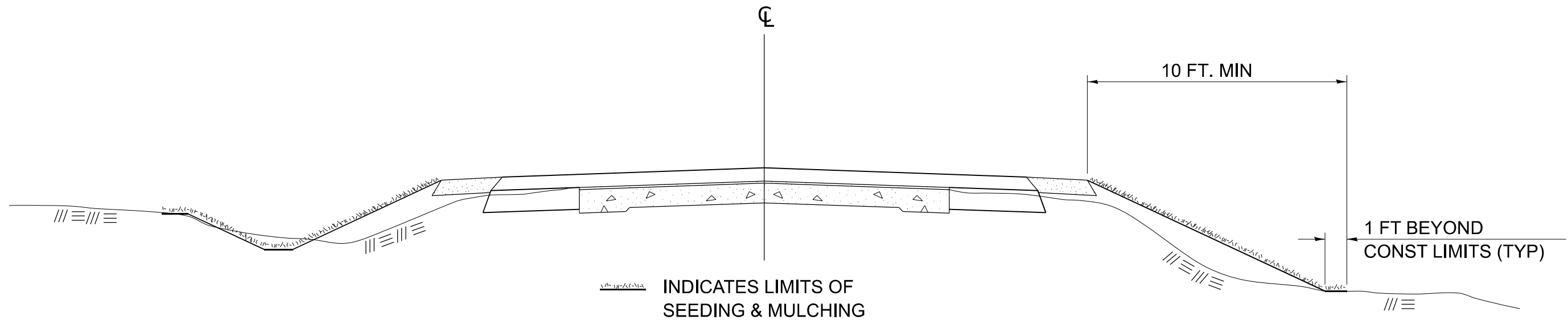
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11111 W. 111th St., Suite 100, Overland Park, KS 66213
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WWW.TWM-INC.COM

USER NAME = dlce	DESIGNED - JCL	REVISIONS
PLOT SCALE = 100,0000' / 1in.	DRAWN - JCL	REVISIONS
PLOT DATE = 8/23/2022	CHECKED - TBP	REVISIONS
	DATE -	REVISIONS

DRAWN	
REVISED	
REVISED	
REVISED	

STD. 9-

SEEDING & MULCHING



GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS. LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SECTIONS 250 AND 251 SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

DRAWN	02-15-89
REVISED	03-27-08
REVISED	10-21-21
REVISED	05-27-22

STD. 9-19

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DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 9 DETAILS
SEEDING & MULCHING**

SCALE: NTS SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	24
			CONTRACT NO. 78957	
ILLINOIS FED. AID PROJECT				

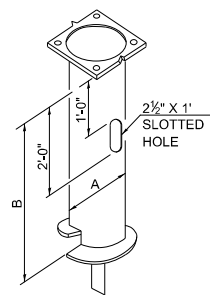
LIGHT POLE FOUNDATION

DATA, STEEL ** FOUNDATION TABLE			
BOLT CIRCLE	A	B	MOUNTING HEIGHT
1'-3"	10"	6'-0"	45'-0" OR 50'-0" *
1'-3"	8"	6'-0"	45'-0"
11"	8"	6'-0"	40'-0" OR LESS

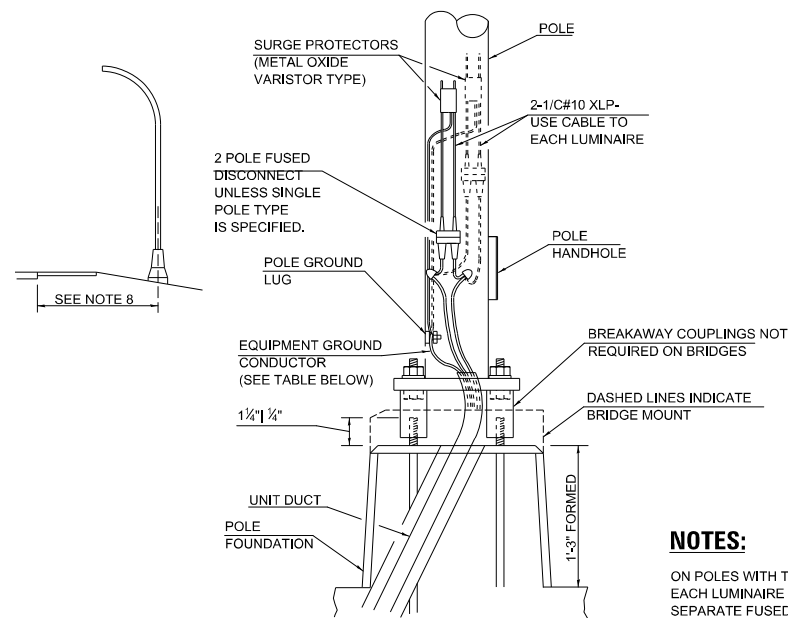
LOW MOUNTING FOUNDATION TABLE		
HEIGHT	DEPTH	BOLT CIRCLE
30'-0"	5'-0"	11"
31'-0" - 35'-0"	6'-0"	11"
36'-0" - 40'-0"	7'-0"	1'-3"
41'-0" - 45'-0"	7'-6"	1'-3"
46'-0" - 50'-0"	8'-0"	1'-3"

FOR USE ON POLES
W/TWIN TENON

** MINIMUM TORQUE
REQ'D TO INSTALL
FOUNDATIONS SHALL
BE 5,000 LBS



STEEL POLE FOUNDATION



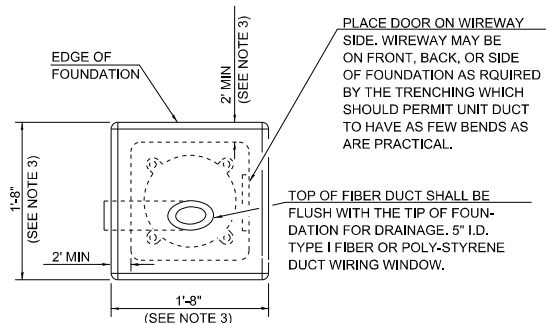
EQUIPMENT GROUND TABLE	
BREAKER SIZE	CONDUCTOR SIZE
30 AMP.	#10 COPPER
40 AMP.	#10 COPPER
60 AMP.	#10 COPPER
100 AMP.	#8 COPPER

NOTES:

ON POLES WITH TWO LUMINAIRES,
EACH LUMINAIRE SHALL HAVE A
SEPARATE FUSED DISCONNECT.

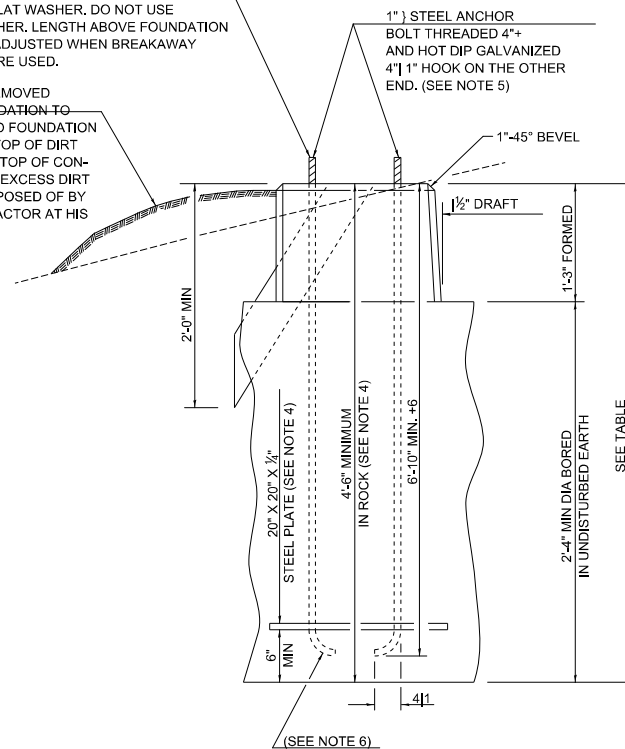
INSTALLATION INSTRUCTIONS:

SCREW COUPLINGS ON TO ANCHOR
BOLTS TO END OF THREADS. LEVEL
COUPLINGS. VERY IMPORTANT, AS
COUPLINGS WILL BECOME OVER-
STRESSED AND EITHER CRACK
OR STRIP THREADS INSIDE COUPLING.

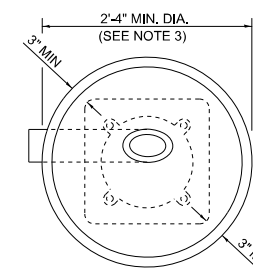


ANCHOR BOLT SHALL EXTEND THROUGH
NUT 3/8" TO 1". USE SELF-LOCKING
NUT AND FLAT WASHER. DO NOT USE
LOCK-WASHER. LENGTH ABOVE FOUNDATION
SHALL BE ADJUSTED WHEN BREAKAWAY
DEVICES ARE USED.

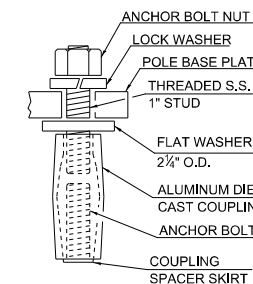
USE DIRT REMOVED
FROM FOUNDATION TO
FILL AROUND FOUNDATION
TOP. MAKE TOP OF DIRT
LEVEL WITH TOP OF CON-
CRETE. ANY EXCESS DIRT
WILL BE DISPOSED OF BY
THE CONTRACTOR AT HIS
EXPENSE.



METAL OR CONCRETE



ALT. FOUNDATION



TYP. COUPLING

GENERAL NOTES

- AFTER POURING CONCRETE, THE FORM SHALL REMAIN UNDISTURBED OVERNIGHT.
- THE TOP 15" ONLY SHALL BE FORMED. CONCRETE BOUNDED BY UNDISTURBED EARTH ONLY SHALL FILL THE REMAINDER OF THE HOLE.
- MINIMUM CLEARANCE FROM THE OUTSIDE EDGE OF FOUNDATION TO ANY PART OF THE POLE BASEPLATE SHALL BE 3".
- THE DEPTH OF THE FOUNDATION MAY BE REDUCED 6" FOR EVERY 12" OF ROCK ENCOUNTERED WITH A MINIMUM DEPTH OF 4'-6". WHEN THE DEPTH OF THE FOUNDATION IS DECREASED TO LESS THAN 6" THE ANCHOR BOLTS SHALL BE CUT, THREADED, AND A STEEL PLATE 20" X 20" X 1/4" SHALL BE INSTALLED ON THE ANCHOR BOLTS 6" ABOVE THE BOTTOM OF THE EXCAVATION. THE COST SHALL BE INCIDENTAL THE FOUNDATION.
- ON PARAPET WALLS USE 1 1/4" DIA. ANCHOR BOLTS. USE SELF-LOCKING NUT AND FLAT WASHER. DO NOT USE LOCKWASHER. (FOR DETAILS SEE STANDARD III/2.35 OF BRIDGE DESIGN MANUAL.
- BEND RADIUS SHALL BE FOUR TIMES BOLT DIAMETER.
- CONNECT GROUND WIRES TO POLE BASE GROUND LUG, NOT ANCHOR BOLTS OR TRANSFORMER BASE.
- LOW MOUNT POLE FOUNDATION SETBACK: FOR HORIZONTAL MOUNTED LUMINAIRES, SETBACK SHALL BE A MINIMUM OF 20' FROM EDGE OF PAVEMENT.

FOR VERTICAL MOUNT LUMINAIRES, SETBACK SHALL BE A MINIMUM OF 30' FROM EDGE OF PAVEMENT. POLES SHALL BE LOCATED 5' BEHIND GUARDRAIL OR OTHER PROTECTIVE BARRIERS, OR AS DIRECTED BY THE ENGINEER.

DRAWN	02-09-01
REVISED	05-06-08
REVISED	10-21-21
REVISED	05-03-22

STD. 9-09

MODEL: D:\dgn\...
FILE NAME: V:\0101\PROJECTS\21150-02\04_CADD\01\CADD_S\01\01\LIGHTING_4.dgn



USER NAME = cluttrell	DESIGNED - CL	REVISED -
PLOT SCALE = 1" = 20'	CHECKED - RP	REVISED -
PLOT DATE = 07/15/2022	DATE - 7/18/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 9 DETAILS
LIGHT POLE FOUNDATION

SCALE: 1" = 30'

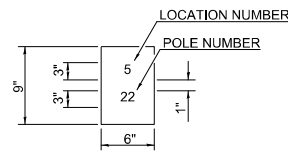
SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	6Z(SFY-1)	WILLIAMSON	26	25
CONTRACT NO. 78957				
ILLINOIS FED. AID PROJECT				

POLE STANDARDS

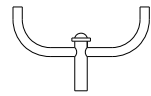
"INSTALL AND ORIENT ARM BRACKET OVER POLE TENON AND FIRMLY HAND TIGHTEN THE TWO SET SCREWS. USE THIRD HOLE IN ARM BRACKET AS A GUIDE TO DRILL $\frac{1}{8}$ " DIAMETER HOLE THROUGH TENON. INSTALL AND TIGHTEN SELF-TAPPING SCREW. TIGHTEN SET SCREWS AN ADDITIONAL $\frac{1}{4}$ TO $\frac{3}{8}$ TURN WITH HEX KEY (NOT PROVIDED). INSTALL LOCKNUTS ON SET SCREWS IF THREADED PROJECTION ALLOWS."

POLE SHALL MEET AASHTO STANDARD SPECIFICATIONS FOR 80 MPH WIND LOADING AND 90 LB. 4.0 SQ. FT E.P.A. LUMINAIRE.

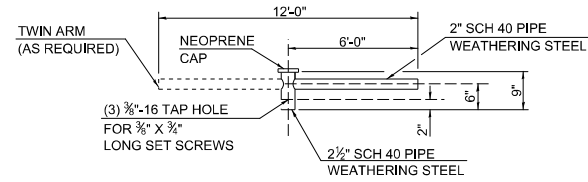


THE CONTRACTOR SHALL FURNISH AND INSTALL A LIGHT POLE IDENTIFICATION OF EACH NEW LIGHT POLE, AS SHOWN ABOVE, INCIDENTAL TO THE RESPECTIVE LIGHT POLE PAY ITEM IN ACCORDANCE WITH ART, 1069.06

THE LIGHT POLE IDENTIFICATION SHALL BE APPLIED TO SIGN BASE MATERIAL AS SPECIFIED IN ART. 1069.06. APPROXIMATELY 7" ABOVE THE ADJACENT PAVEMENT GRADE VISIBLE TO APPROACHING TRAFFIC IN ACCORDANCE WITH HIGHWAY STANDARD 720001.

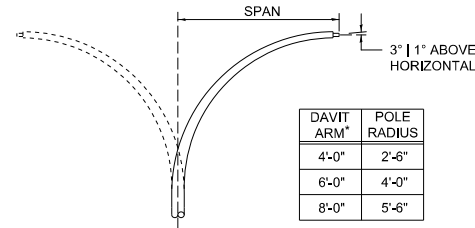


TWIN TENON



TENON MOUNT BRACKET ARM

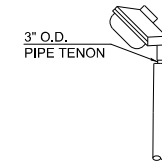
NOTE: SINGLE OR TWIN ARM ASSEMBLY SHALL BE TILTED 3" ABOVE HORIZONTAL.



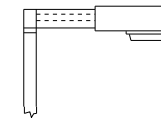
DAVIT ARM (AND OR)

DAVIT ARM-TWIN

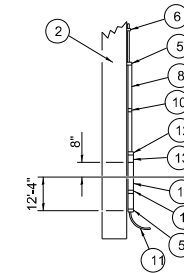
*FOR ARM LENGTH GREATER THAN 8' REFER TO HIGHWAY STANDARD 830016-03



TENON



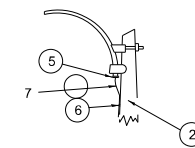
SHORT BRACKET



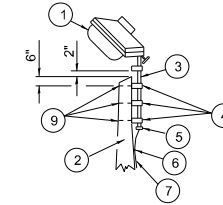
DETAILS FOR UNDERGROUND DISTRIBUTION IF REQUIRED

POLE, WOOD

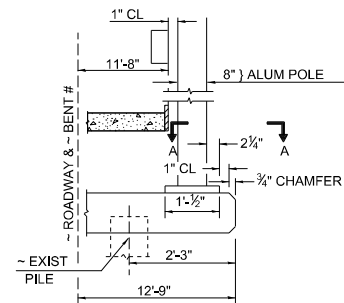
POLE LENGTH	DEPTH IN GROUND
65'-0"	12'-0"
60'-0"	10'-0"
55'-0"	9'-0"
50'-0"	8'-0"
45'-0"	7'-0"
40'-0"	6'-6"
35'-0"	6'-0"
30'-0"	5'-6"



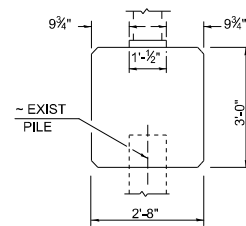
MAST ARM



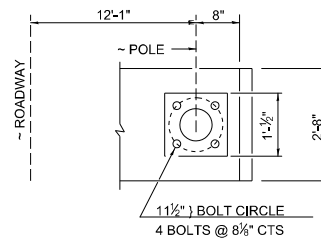
TENON



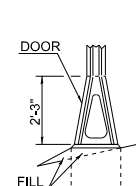
BENT #
(LOOKING)



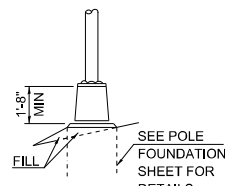
BRIDGE PIER MOUNT



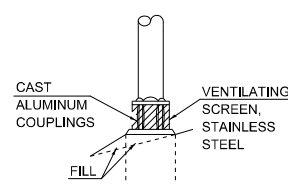
SECTION A-A



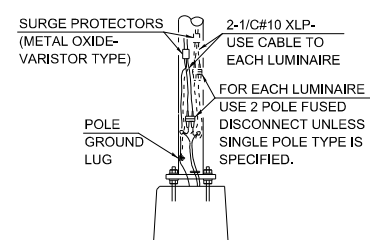
STAINLESS STEEL FLAIR BASE



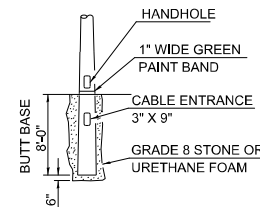
TRANSFORMER BASE FRANGIBLE



BREAKAWAY COUPLING



ANCHOR



BUTT BASE

- ① LUMINAIRE
- ② WOOD POLE, CLASS 3 OR BETTER
- ③ 2 1/2" GALV. STEEL CONDUIT
- ④ SINGLE OFFSET POLE BAND
- ⑤ CONDUIT BUSHING
- ⑥ CABLE CLAMPS ON 2' CENTERS
- ⑦ 2/C #12 TYPE USE CABLE
- ⑧ 1" GALV. STEEL CONDUIT 10' IN LENGTH

- ⑨ 3/8" Ø HOT DIPPED GALVANIZED BOLT WITH FLAT WASHER & LOCKNUT (3 REQ'D)
- ⑩ CONDUIT CLAMPS ON 3' CENTERS
- ⑪ UNIT DUCT
- ⑫ THREADED REDUCER
- ⑬ "C" CONDULET, THREADED
- ⑭ 1 1/2" GALV. STEEL CONDUIT FOR 1 UNIT DUCT OR 3" GALV. STEEL CONDUIT FOR 2 OR 3 UNIT DUCTS.

DRAWN 02-09-01
REVISED 05-06-08
REVISED 10-21-21
REVISED 05-04-22

STD. 9-12