

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

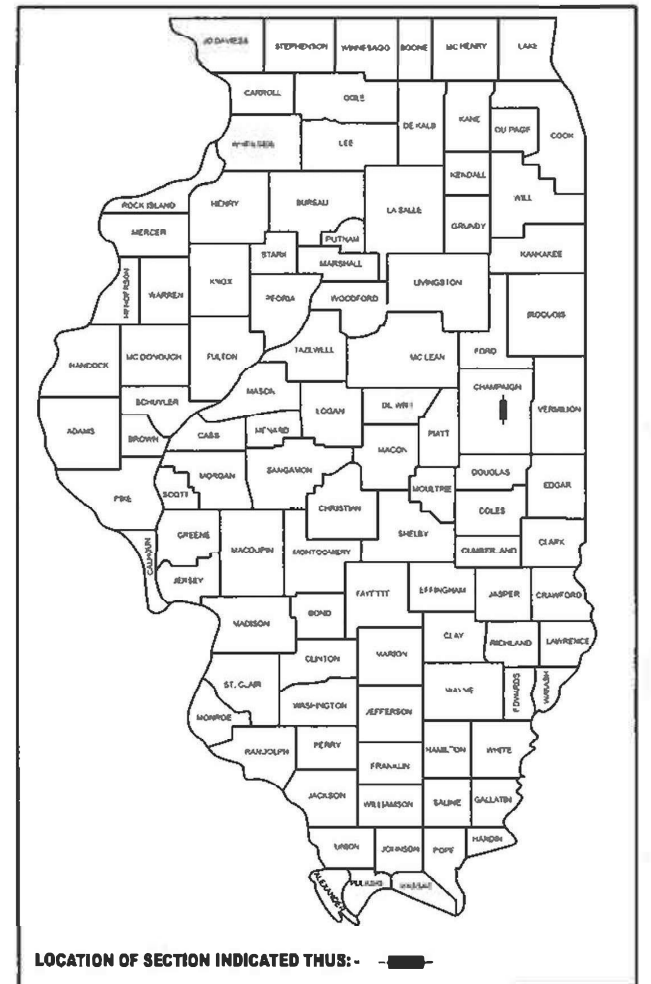
PROPOSED HIGHWAY PLANS

**FAP ROUTE 709 / U.S. 136
SECTION 113N
PROJECT HSIP-S96N(203)
TRAFFIC SIGNAL MODERNIZATION
CHAMPAIGN COUNTY**

C-95-021-25

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	113N	CHAMPAIGN	22	1
		ILLINOIS	CONTRACT NO. 70H36	

D-95-024-24

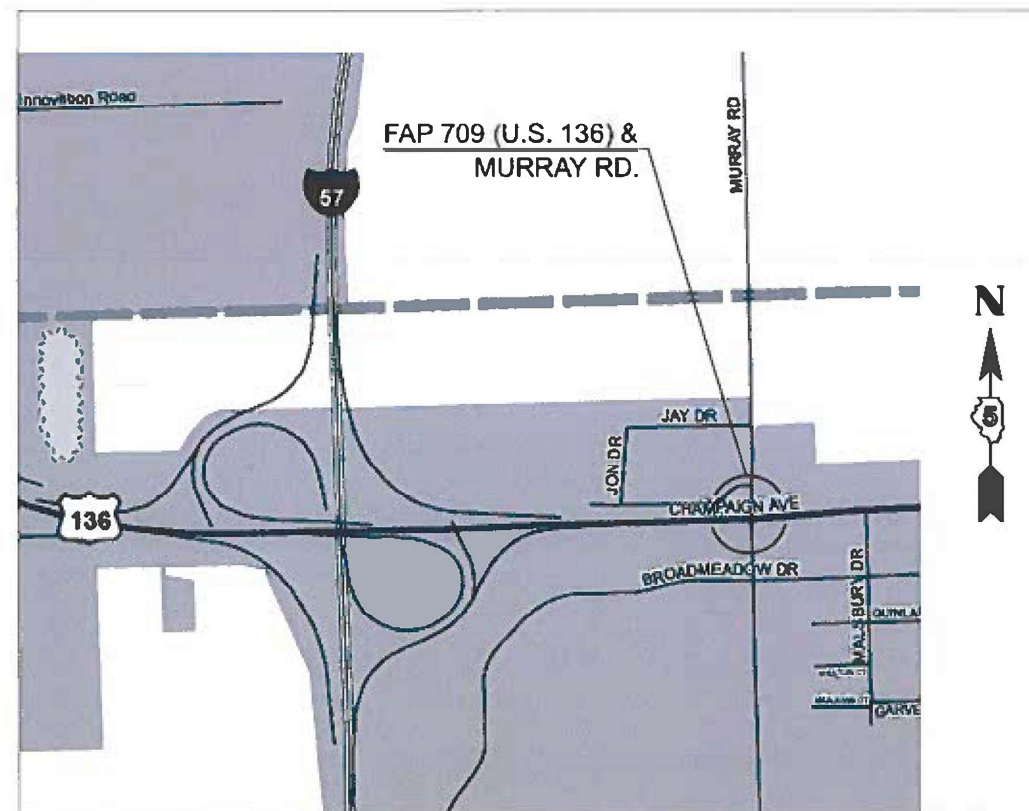


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

**PROJECT ENGINEER: JEFFERY L. ALLEN
PROJECT MANAGER: ROGER D. BIGGS
TELEPHONE : (217) 465-4181**

CONTRACT NO. 70H36



VILLAGE OF RANTOUL

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUBMITTED 01/29/2025
Kensil A. Barnett REGIONAL ENGINEER
March 21, 2025
Scott A. Etkin ENGINEER OF DESIGN AND ENVIRONMENT
March 21, 2025
John A. Etkin DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES; STANDARDS TO BE INCLUDED IN THE PLANS; INDEX OF SHEETS
3-7	SUMMARY OF QUANTITIES
8	U.S. 136 PLAN SHEET & PAVEMENT MARKING PLAN
9-12	ADA PEDESTRIAN RAMP DETAILS
13	ROADWAY SCHEDULES
14	TRAFFIC SIGNAL SCHEDULES
15	TRAFFIC PLAN LAYOUT
16	CONDUIT & CABLE LAYOUT
17	EXISTING TRAFFIC SIGNAL REMOVAL
18	TRAFFIC SIGNAL DETAILS
19-22	PAVEMENT MARKING AND MARKERS

LIST OF HIGHWAY STANDARDS

STANDARDS TO BE INCLUDED IN THE PLANS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF RD. OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF RD. OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-10	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
821101-03	LUMINAIRE WIRING IN POLE
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'
877011-10	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

GENERAL NOTES

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION	US 136
MIXTURE USE	POLYMER SURFACE MISCELLANEOUS BY GUTTER FLAG
AC/PG	SBS PG 70-22
DESIGN AIR VOIDS	4.0% @ Ndes=70
MIX COMP(GRADATION)	IL 9.5
FRICTION AGGREGATE	MIX "D"
MIXTURE WEIGHT	112
QUALITY MANAGEMENT PROGRAM	QC / QA
SUBLOT SIZE	3000
MATERIAL TRANSFER DEVICE (REQUIRED ?)	NO

G.N.-440B
THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED, AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION DUE TO EXCESSIVE RUSTING OR DISTRESS SHALL BE REMOVED FLUSH WITH THE FACE OF THE EXISTING CONCRETE AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

BENCHMARKS

5125-1	STA. 241+19.369 / RT. 126.471 MARK IS THE NE CORNER OF ELEVATED LIGHT POLE FOUNDATION IN SE QUAD OF INTERSECTION OF US 136 AND MURRAY ROAD, POINT NUMBER = 2244 ELEVATION = 758.705'
5125-2	STA. 241+32.491 / RT. 00.00 MARK IS AN ALUMINUM DISK IN CENTERLINE OF PAVEMENT OF US 136, +/- 62' EAST OF INTERSECTION OF US 136 AND MURRAY ROAD. POINT NUMBER = 2245 ELEVATION = 757.737'

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS,
GENERAL NOTES & COMMITMENTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	113N	CHAMPAIGN	22	2
CONTRACT NO. 70H36				
		ILLINOIS	FED. AID PROJECT	

MODEL: Index of Sheets-1 [Sheet]
FILE NAME: c:\p\work\p\work\projects\0981718\0570H36-Shr-GenNotes.dgn

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 709	FAP 709
U.S. 136	U.S. 136
&	&
MURRAY RD.	MURRAY RD.
CHAMPAIGN CO.	CHAMPAIGN CO.
90% FED	100% City
5% STATE	
5% CITY	
0021	0021
URBAN	URBAN

CONSTRUCTION TYPE CODE:

				TOTAL					
	CODE NO.	ITEM	UNIT	QUANTITY		QUANTITY		QUANTITY	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	18.0		18.0			
	40604162	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	4.0		4.0			
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	839.0		839.0			
*	42400800	DETECTABLE WARNINGS	SQ FT	72.0		72.0			
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	39.0		39.0			
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	117.0		117.0			
	44000600	SIDEWALK REMOVAL	SQ FT	779.0		779.0			
	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2.0		2.0			
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	117.0		117.0			
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	35.0		35.0			
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1.0		1.0			
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1.0		1.0			
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1.0		1.0			
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	18.0		18.0			

*= SPECIALTY ITEM

	USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						709	113N	CHAMPAIGN	22	3
		CHECKED -	REVISED -						CONTRACT NO. 70H36				
	PLOT DATE = 1/29/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 5 SHEETS	STA.	TO STA.				
									ILLINOIS FED. AID PROJECT				

MODEL: SOQ [Sheet]
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SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 709	FAP 709
U.S. 136	U.S. 136
&	&
MURRAY RD.	MURRAY RD.
CHAMPAIGN CO.	CHAMPAIGN CO.
90% FED	100% City
5% STATE	
5% CITY	
0021	0021
URBAN	URBAN

CONSTRUCTION TYPE CODE:

					TOTAL				
	CODE NO.	ITEM	UNIT		QUANTITY		QUANTITY		QUANTITY
	67100100	MOBILIZATION	L SUM		1.0		1.0		
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM		1.0		1.0		
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT		777.0		777.0		
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT		190.0		190.0		
*	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT		777.0		777.0		
*	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT		190.0		190.0		
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	FOOT		757.0		757.0		
	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT		169.4		169.4		
	81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT		161.7		161.7		
	81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT		225.1		225.1		
	81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT		12.0		12.0		
	81400100	HANDHOLE	EACH		3.0		3.0		
	81400300	DOUBLE HANDHOLE	EACH		1.0		1.0		
	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT		827.7				827.7

*= SPECIALTY ITEM

FILE NAME:	USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						709	113N	CHAMPAIGN	22	4
		CHECKED -	REVISED -		CONTRACT NO. 70H36								
	PLOT DATE = 1/29/2025	DATE -	REVISED -		SCALE:	SHEET 2 OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

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SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 709	FAP 709
U.S. 136	U.S. 136
&	&
MURRAY RD.	MURRAY RD.
CHAMPAIGN CO.	CHAMPAIGN CO.
90% FED	100% City
5% STATE	
5% CITY	
0021	0021
URBAN	URBAN

CONSTRUCTION TYPE CODE:

				TOTAL				
	CODE NO.	ITEM	UNIT	QUANTITY		QUANTITY		QUANTITY
	82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	2.0				2.0
	85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1.0		1.0		
	86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1.0		1.0		
	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	18.0		18.0		
	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1314.2		1314.2		
	87301235	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	1371.6		1371.6		
	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1115.8		1115.8		
	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2551.7		2551.7		
	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	62.0		62.0		
	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	747.0		747.0		
	87502640	TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	3.0		3.0		
	87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	5.0		5.0		
	87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1.0		1.0		
	87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1.0		1.0		

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 709	FAP 709
U.S. 136	U.S. 136
&	&
MURRAY RD.	MURRAY RD.
CHAMPAIGN CO.	CHAMPAIGN CO.
90% FED	100% City
5% STATE	
5% CITY	
0021	0021
URBAN	URBAN

CONSTRUCTION TYPE CODE:

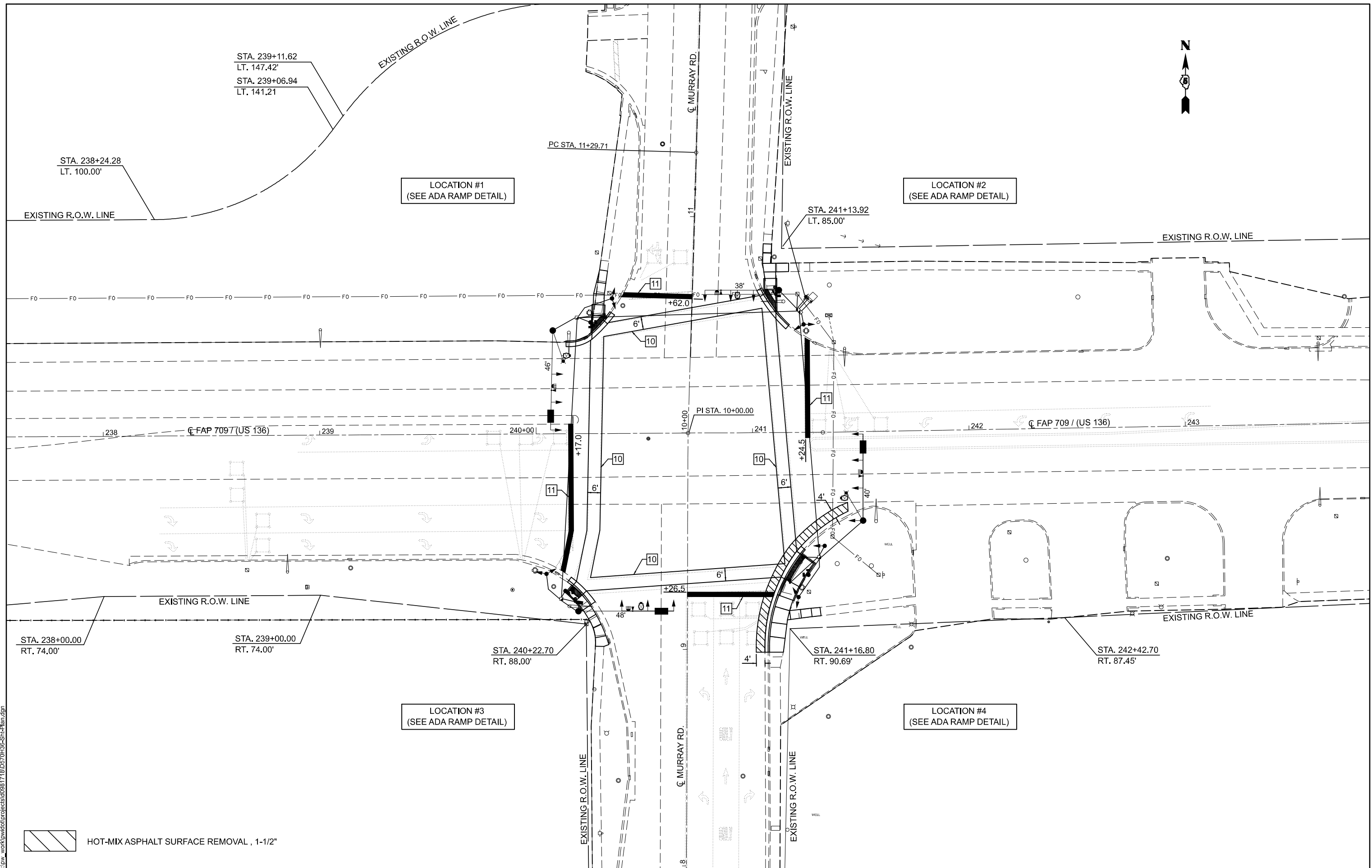
				TOTAL			
	CODE NO.	ITEM	UNIT	QUANTITY		QUANTITY	QUANTITY
	87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1.0		1.0	
	87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1.0		1.0	
	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24.0		24.0	
	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.0		3.0	
	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52.0		52.0	
	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2.0		2.0	
	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7.0		7.0	
	88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4.0		4.0	
	88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4.0		4.0	
	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4.0		4.0	
	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1.0		1.0	
	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIME	EACH	8.0		8.0	
	88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	22.0		22.0	
	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0		1.0	

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 709	FAP 709
U.S. 136	U.S. 136
&	&
MURRAY RD.	MURRAY RD.
CHAMPAIGN CO.	CHAMPAIGN CO.
90% FED	100% City
5% STATE	
5% CITY	
0021	0021
URBAN	URBAN

CONSTRUCTION TYPE CODE:[illegible]



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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/29/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 136 PLAN SHEET &
PAVEMENT MARKING PLAN SHEET**

SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	113N	CHAMPAIGN	22	8
		CONTRACT NO. 70H36		
		ILLINOIS	FED. AID PROJECT	

LOCATION #1
N.W. QUADRANT
MURRAY RD.



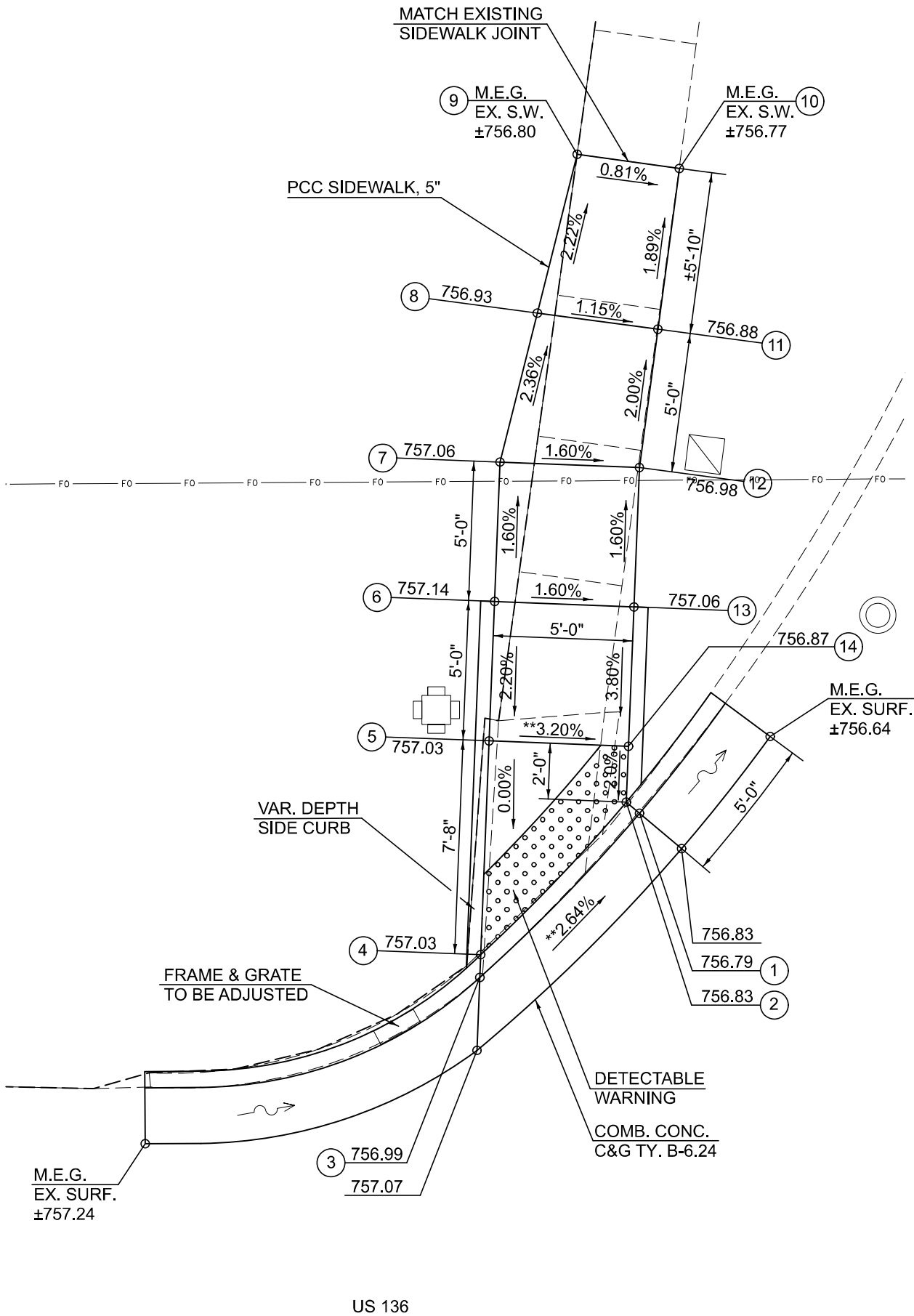
LOCATION #1 - N.W. QUADRANT
US 136 & MURRAY RD.

LOCATION	STATION	OFFSET
1	240+31.85	LT. 52.00
2	240+31.38	LT. 52.40
3	240+26.09	LT. 46.15
4	240+26.13	LT. 46.97
5	240+26.48	LT. 54.62
6	240+26.70	LT. 59.62
7	240+26.92	LT. 64.62
8	240+28.29	LT. 69.95
9	240+29.75	LT. 75.63
10	240+33.41	LT. 75.10
11	240+32.61	LT. 69.34
12	240+31.92	LT. 64.39
13	240+31.69	LT. 59.40
14	240+31.47	LT. 54.40

NOTE:
CURB & GUTTER FLOWLINE
RADIUS = 15.0' & 60.0'

**NOTE:
THE PROPOSED CROSS SLOPE MEETS PROWAG
REQUIREMENTS AT THIS LOCATION. THE CROSS
SLOPE IS PERMITTED TO EQUAL THE STREET
GRADE AT PEDESTRIAN STEET CROSSINGS
WITHOUT YIELD OR STOP CONTROL.

- NOTES:
- M.E.G. = MATCH EXISTING GRADE.
 - EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER CAN ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMP. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMPS.
 - MAX ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%), SLOPE < 7% PREFERRED.
 - MAX ALLOWABLE RUNNING SLOPE OF TURNING SPACE = 1:48 (2.1%), SLOPE < 1.5% PREFERRED.
 - MIN. ALLOWABLE WIDTH OF RAMP = 4'.
 - MAX. ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:48 (2.1%), SLOPE < 1.5% PREFERRED.



MURRAY RD.

MODEL: NW Quadrant (Sheet)
FILE NAME: c:\p\work\projects\0981718\0570H36_Sht-ADA_Ramps.dgn

USER NAME = Justin.Cearlock	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/29/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA PEDESTRIAN RAMP DETAIL
LOCATION #1 (N.W. QUAD / MURRAY RD.)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	113N	CHAMPAIGN	22	9
CONTRACT NO. 70H36				
ILLINOIS FED. AID PROJECT				

LOCATION #2

N.E. QUADRANT

MURRAY RD.



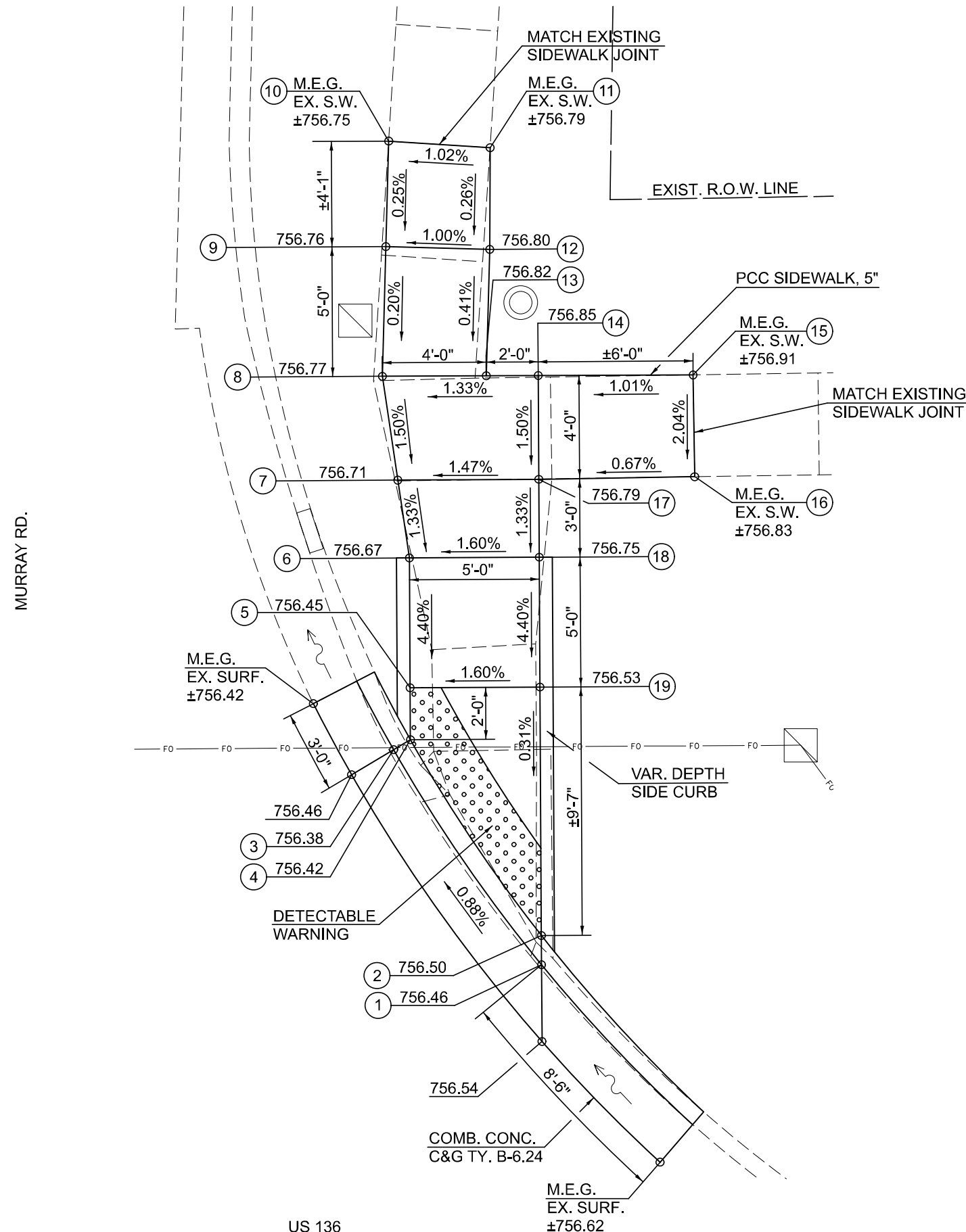
LOCATION #2 - N.E. QUADRANT
US 136 & MURRAY RD.

LOCATION	STATION	OFFSET
1	241+11.11	LT. 55.55
2	241+11.11	LT. 56.68
3	241+05.47	LT. 63.87
4	241+06.11	LT. 64.25
5	241+06.11	LT. 66.25
6	241+06.11	LT. 71.25
7	241+05.69	LT. 74.25
8	241+05.11	LT. 78.25
9	241+05.28	LT. 83.25
10	241+05.41	LT. 87.31
11	241+09.31	LT. 87.03
12	241+09.27	LT. 83.12
13	241+09.11	LT. 78.25
14	241+11.11	LT. 78.25
15	241+17.08	LT. 78.23
16	241+17.11	LT. 74.32
17	241+11.11	LT. 74.25
18	241+11.11	LT. 71.25
19	241+11.11	LT. 66.25

NOTE:
CURB & GUTTER FLOWLINE
RADIUS = 60.0'

NOTES:

1. M.E.G. = MATCH EXISTING GRADE.
2. EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER CAN ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMP. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMPS.
3. MAX ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%), SLOPE < 7% PREFERRED.
4. MAX ALLOWABLE RUNNING SLOPE OF TURNING SPACE = 1:48 (2.1%), SLOPE < 1.5% PREFERRED.
5. MIN. ALLOWABLE WIDTH OF RAMP = 4'.
6. MAX. ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:48 (2.1%), SLOPE < 1.5% PREFERRED.



LOCATION #3

S.W. QUADRANT

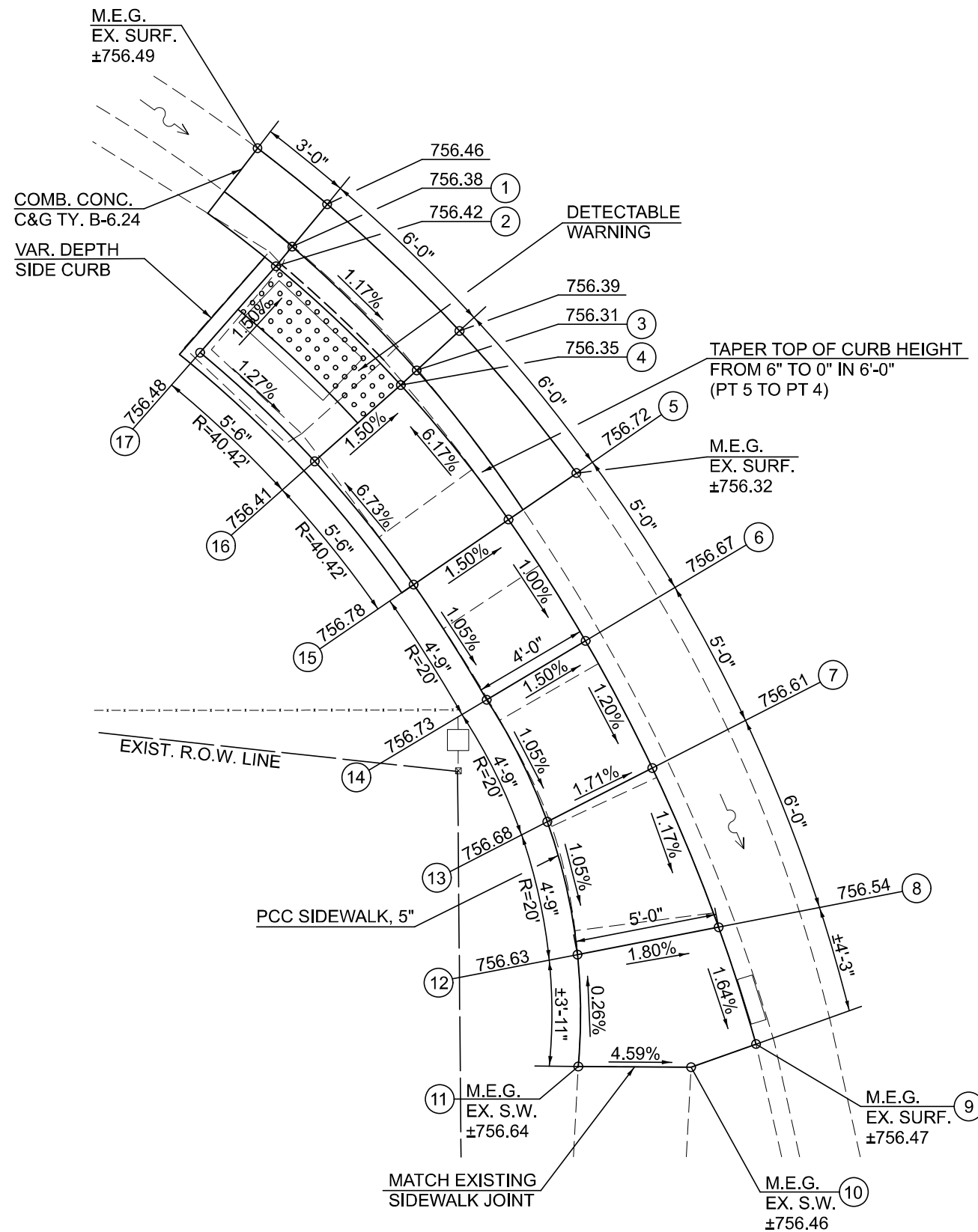
MURRAY RD.



LOCATION	STATION	OFFSET
1	240+17.05	RT. 69.70
2	240+16.48	RT. 70.38
3	240+21.36	RT. 74.04
4	240+20.80	RT. 74.54
5	240+24.52	RT. 79.25
6	240+27.18	RT. 83.48
7	240+29.48	RT. 87.92
8	240+31.75	RT. 93.47
9	240+33.03	RT. 97.54
10	240+30.76	RT. 98.34
11	240+26.84	RT. 98.29
12	240+26.83	RT. 94.40
13	240+25.81	RT. 89.77
14	240+23.73	RT. 85.51
15	240+21.21	RT. 81.49
16	240+17.79	RT. 77.18
17	240+13.83	RT. 73.38

NOTES:

1. M.E.G. = MATCH EXISTING GRADE.
2. EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER CAN ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMP. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMPS.
3. MAX ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%), SLOPE < 7% PREFERRED.
4. MAX ALLOWABLE RUNNING SLOPE OF TURNING SPACE = 1:48 (2.1%), SLOPE < 1.5% PREFERRED.
5. MIN. ALLOWABLE WIDTH OF RAMP = 4'.
6. MAX. ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:48 (2.1%), SLOPE < 1.5% PREFERRED.



ADA PEDESTRIAN RAMP DETAIL
LOCATION #3 (S.W. QUAD / MURRAY RD.)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	113N	CHAMPAIGN	22	11
CONTRACT NO. 70H36				
ILLINOIS		FED. AID PROJECT		

MODEL: SW Quadrant [Sheet]
FILE NAME: c:\pw_work\pwwidot\projects\0981718\ID570H36_Sht-ADA_Ramps.dgn

LOCATION #4

S.E. QUADRANT

MURRAY RD.



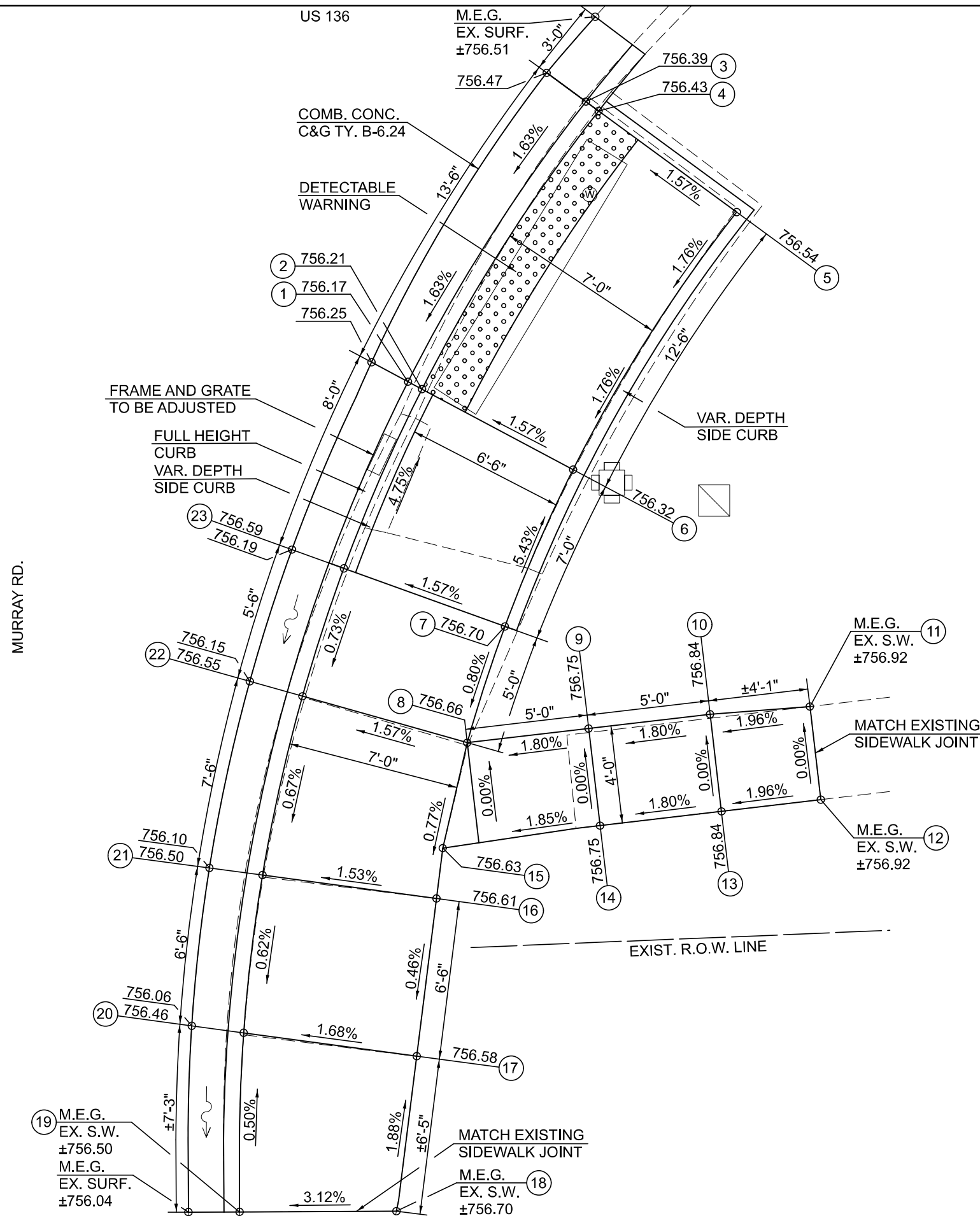
LOCATION #4 - S.E. QUADRANT
US 136 & MURRAY RD.

LOCATION	STATION	OFFSET
1	241+14.36	RT. 67.53
2	241+14.92	RT. 67.84
3	241+21.70	RT. 56.11
4	241+22.21	RT. 56.50
5	241+27.84	RT. 60.67
6	241+21.09	RT. 71.17
7	241+18.26	RT. 77.57
8	241+16.59	RT. 82.31
9	241+21.66	RT. 81.76
10	241+26.63	RT. 81.20
11	241+30.71	RT. 80.91
12	241+31.14	RT. 84.72
13	241+27.07	RT. 85.18
14	241+22.10	RT. 85.73
15	241+15.67	RT. 86.62
16	241+15.40	RT. 88.67
17	241+14.55	RT. 95.12
18	241+13.89	RT. 101.46
19	241+07.27	RT. 101.45
20	241+07.48	RT. 94.13
21	241+08.29	RT. 87.68
22	241+09.97	RT. 80.37
23	241+11.89	RT. 75.15

NOTE:
CURB & GUTTER FLOWLINE
RADIUS = 70.0'

NOTES:

1. M.E.G. = MATCH EXISTING GRADE.
2. EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER CAN ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMP. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMPS.
3. MAX ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%), SLOPE < 7% PREFERRED.
4. MAX ALLOWABLE RUNNING SLOPE OF TURNING SPACE = 1:48 (2.1%), SLOPE < 1.5% PREFERRED.
5. MIN. ALLOWABLE WIDTH OF RAMP = 4'.
6. MAX. ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:48 (2.1%), SLOPE < 1.5% PREFERRED.



ROADWAY SCHEDULES

(ADA) PEDESTRIAN RAMP SCHEDULE

			44000500	44000600	60605000	42400200	42400800	60300105
			COMBINATION CURB & GUTTER REMOVAL	SIDEWALK REMOVAL	COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	DETECTABLE WARNINGS	FRAMES AND GRATES TO BE ADJUSTED
LOCATION			(FT)	(SQ FT)	(FT)	(SQ FT)	(SQ FT)	(EACH)
1	MURRAY RD.	N.W. QUADRANT	27.0	106.0	27.0	134.0	15.0	1.0
2	MURRAY RD.	N.E. QUADRANT	22.0	153.0	22.0	165.0	18.0	
3	MURRAY RD.	S.W. QUADRANT	16.0	138.0	16.0	142.0	12.0	
4	MURRAY RD.	S.E. QUADRANT	52.0	382.0	52.0	398.0	27.0	1.0
TOTAL =			117.0	779.0	117.0	839.0	72.0	2.0
			FT	SQ FT	FT	SQ FT	SQ FT	EACH

78001130 PAINT PAVEMENT MARKING - LINE 6"

70300241 TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT

						78001130	70300241		
LOCATION						QUANTITY (F)	QUANTITY (F)	COLOR	
US 136 AT MURRAY RD. / WEST SIDE	CROSSWALK	240+24.78	RT. 66.53	240+31.51	LT. 44.82	224.0	224.0	WHITE	
US 136 AT MURRAY RD. / EAST SIDE	CROSSWALK	241+14.55	RT. 60.60	241+04.68	LT. 57.48	227.0	227.0	WHITE	
US 136 AT MURRAY RD. / NORTH SIDE	CROSSWALK	240+31.51	LT. 44.82	241+04.68	LT. 57.48	145.0	145.0	WHITE	
US 136 AT MURRAY RD. / SOUTH SIDE	CROSSWALK	240+24.78	RT. 66.53	241+14.55	RT. 60.60	181.0	181.0	WHITE	
TOTAL =						777.0	777.0		
						FT	FT		

HOT-MIX ASPHALT SCHEDULE

									44000155	40600290	40604162	
LOCATION	STATION	OFFSET	TO	STATION	OFFSET	LENGTH (FT)	AVERAGE WIDTH (FT)	AREA (SQ YD)	HMA SURFACE THICKNESS (INCHES)	HMA SURFACE REMOVAL, 1-1/2" (SQ YD)	BITUMINOUS MATERIAL TACK COAT (POUND)	POLY HMA SURFACE COURSE IL-9.5, MIX "D", N70 (TON)
S. E. QUAD / MURRAY RD.	241+05.18	RT. 101.44		241+43.50	RT. 36.67	86.00	4.00	38.22	1.5	38.22	17.20	3.21
									TOTAL =	38.22	17.20	3.21
									USE =	39.00	18.00	4.00
NOTE:										SQ YD	POUND	TON

NOTE:
THE INTENT IS TO MILL TO AN 1-1/2" DEPTH BELOW THE GUTTER FLAG TO REMOVE THE HMA MATERIAL THAT IS SHOVING AGAINST THE CURB & GUTTER. THIS WORK SHALL ONLY BE COMPLETED IN THE S.E. QUADRANT OF US 136 & MURRAY RD.

78300201 PAVEMENT MARKING REMOVAL - GRINDING

LOCATION						STATION		OFFSET (FT)		STATION		OFFSET (FT)		QUANTITY (SQ FT)	
US 136 AT MURRAY RD. / WEST SIDE		CROSSWALK		240+23.33		RT. 67.51		240+30.77		LT. 44.28		112.0			
US 136 AT MURRAY RD. / EAST SIDE		CROSSWALK		241+15.21		RT. 61.75		241+05.33		LT. 55.99		113.0			
US 136 AT MURRAY RD. / NORTH SIDE		CROSSWALK		240+30.77		LT. 44.28		241+05.33		LT. 55.99		75.0			
US 136 AT MURRAY RD. / SOUTH SIDE		CROSSWALK		240+23.33		RT. 67.51		241+15.21		RT. 61.75		90.0			
US 136 AT MURRAY RD. / WEST SIDE		STOP BAR		240+16.00		LT. 4.46		240+09.63		RT. 62.16		135.0			
US 136 AT MURRAY RD. / EAST SIDE		STOP BAR		241+25.41		RT. 3.11		241+25.11		LT. 42.41		91.0			
US 136 AT MURRAY RD. / NORTH SIDE		STOP BAR		240+41.66		LT. 62.91		240+72.65		LT. 64.37		62.0			
US 136 AT MURRAY RD. / SOUTH SIDE		STOP BAR		240+70.19		RT. 74.75		241+09.64		RT. 74.12		79.0			
												TOTAL =		757.0	
														SQ FT	

78001180 PAINT PAVEMENT MARKING - LINE 24"

70300281 TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT

			78001180	70300281		
LOCATION			QUANTITY (FT)	QUANTITY (FT)	COLOR	
US 136 AT MURRAY RD. / WEST SIDE	RT.	240+17.00	69.0	69.0	WHITE	
US 136 AT MURRAY RD. / EAST SIDE	LT.	241+24.50	47.0	47.0	WHITE	
US 136 AT MURRAY RD. / NORTH SIDE	LT.	10+62.00	33.0	33.0	WHITE	
US 136 AT MURRAY RD. / SOUTH SIDE	LT.	9+26.50	41.0	41.0	WHITE	
TOTAL =			190.0	190.0		
			FT	FT		

MODEL: Schedules (Sheet)
FILE NAME: c:\pawork\pawork\projects\0981718\DS70H36-Sh-Schedules.dgn

	USER NAME = Justin.Cearlock	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					709	113N	CHAMPAIGN	22	13
		CHECKED -	REVISED -					CONTRACT NO. 70H36				
	PLOT DATE = 1/29/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL SCHEDULES

<u>QUAD.</u>	<u>81400100 HANDHOLE</u>		
SE	STA. 241+29.9; 57.8' RT.	1.0	EACH
SW	STA. 240+11.3; 76.3' RT.	1.0	EACH
NW	STA. 240+19.2; 53.5' LT.	<u>1.0</u>	<u>EACH</u>
	TOTAL =	3.0	EACH
<u>QUAD.</u>	<u>81400300 DOUBLE HANDHOLE</u>		
NE	STA. 241+21.9; 56.1' LT.	1	EACH
<u>QUAD.</u>	<u>87800100 CONCRETE FOUNDATION, TYPE A</u>		
SE	STA. 241+20.8; 76.1' RT.	3.0	FOOT
SE	STA. 241+24.8; 65.7' RT.	3.0	FOOT
SE	STA. 241+32.5; 52.5' RT.	3.0	FOOT
SW	STA. 240+13.1; 72.6' RT.	3.0	FOOT
SW	STA. 240+04.4; 64.7' RT.	3.0	FOOT
NW	STA. 240+25.4; 50.4' LT.	3.0	FOOT
NW	STA. 240+35.4; 62.4' LT.	3.0	FOOT
NE	STA. 241+23.9; 49.9' LT.	<u>3.0</u>	<u>FOOT</u>
	TOTAL =	24.0	FOOT
<u>QUAD.</u>	<u>87502680 TRAFFIC SIGNAL POST, ALUMINUM 14 FT.</u>		
SE	STA. 241+20.8; 76.1' RT.	1.0	EACH
SE	STA. 241+32.5; 52.5' RT.	1.0	EACH
SW	STA. 240+04.4; 64.7' LT.	1.0	EACH
NW	STA. 240+35.4; 62.4' LT.	1.0	EACH
NE	STA. 241+23.9; 49.9' LT.	1.0	EACH
	TOTAL =	5.0	EACH
<u>QUAD.</u>	<u>87502640 TRAFFIC SIGNAL POST, ALUMINUM 10 FT.</u>		
SE	STA. 241+24.8; 65.7' RT.	1.0	FOOT
SW	STA. 240+13.1; 72.6' RT.	1.0	FOOT
NW	STA. 240+25.4; 50.4' LT.	1.0	FOOT
<u>QUAD.</u>	<u>87800150 CONCRETE FOUNDATION, TYPE C</u>		
NE	STA. 241+23.7; 57.9' LT.	3	FOOT
<u>QUAD.</u>	<u>87500200 FULL-ACTUATED CONT. & TYPE IV CAB.</u>		
	<u>86200200 UNINTERRUPTABLE POWER SUPPLY, STD.</u>		
NE	STA. 241+23.7; 57.9' LT.	1	EACH
<u>QUAD.</u>	<u>87800415 CONCRETE FOUNDATION, TYPE E, 36 IN.</u>		
NW	STA. 241+50.4; 41.2' RT.	13.0	FOOT
SW	STA. 240+19.2; 82.0' RT.	13.0	FOOT
SE	STA. 240+07.9; 47.7' LT.	13.0	FOOT
NE	STA. 241+12.6; 65.8' LT.	<u>13.0</u>	<u>FOOT</u>
	TOTAL =	52.0	FOOT

<u>QUAD.</u>	<u>87700230 STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.</u>		
NE	STA. 241+12.6; 65.8' LT.	1	EACH
<u>QUAD.</u>	<u>87700280 STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.</u>		
SW	STA. 240+19.2; 82.0' RT.	1	EACH
<u>QUAD.</u>	<u>87702960 STEEL COMB MAST ARM ASSEMBLY AND POLE 46 FT.</u>		
NW	STA. 240+07.9; 47.7' LT.	1	EACH
<u>QUAD.</u>	<u>87702930 STEEL COMB MAST ARM ASSEMBLY AND POLE 40 FT.</u>		
SE	STA. 241+50.4; 41.2' RT.	1	EACH
<u>QUAD.</u>	<u>82110007 LUMINARE, LED, ROADWAY, OUTPUT DESIGNATION G</u>		
NW	STA. 240+07.9; 47.7' LT.	1	EACH
SE	STA. 241+50.4; 41.2' RT.	1	EACH
<u>QUAD.</u>	<u>80500100 SERVICE INSTALLATION, TYPE A (MODIFIED)</u>		
NE	STA. 241+23.7; 57.9' LT.	1	EACH
<u>QUAD.</u>	<u>89502380 REMOVE EXISTING HANDHOLE</u>		
SW	STA. 238+66.1; 62.2' RT. *	1	EACH
NW	STA. 240+34.2; 64.9' LT.	1	EACH
NE	STA. 241+22.5; 71.6' RT.	<u>1</u>	EACH
		3	EACH
<u>QUAD.</u>	<u>89502385 REMOVE EXISTING CONCRETE FOUNDATION</u>		
SW	STA. 239+99.1; 63.1' RT.	1	EACH
SW	STA. 240+15.0; 79.7' RT.	1	EACH
NW	STA. 240+15.3; 46.7' LT.	1	EACH
NW	STA. 240+25.0; 55.8' LT.	1	EACH
NE	STA. 241+14.6; 60.6' LT.	1	EACH
NE	STA. 241+36.2; 54.0' LT.	1	EACH
NE	STA. 241+25.0; 46.9' LT.	1	EACH
SE	STA. 241+22.5; 71.6' RT.	1	EACH
SE	STA. 241+56.4; 41.5' RT.	<u>1</u>	EACH
	TOTAL	9	EACH

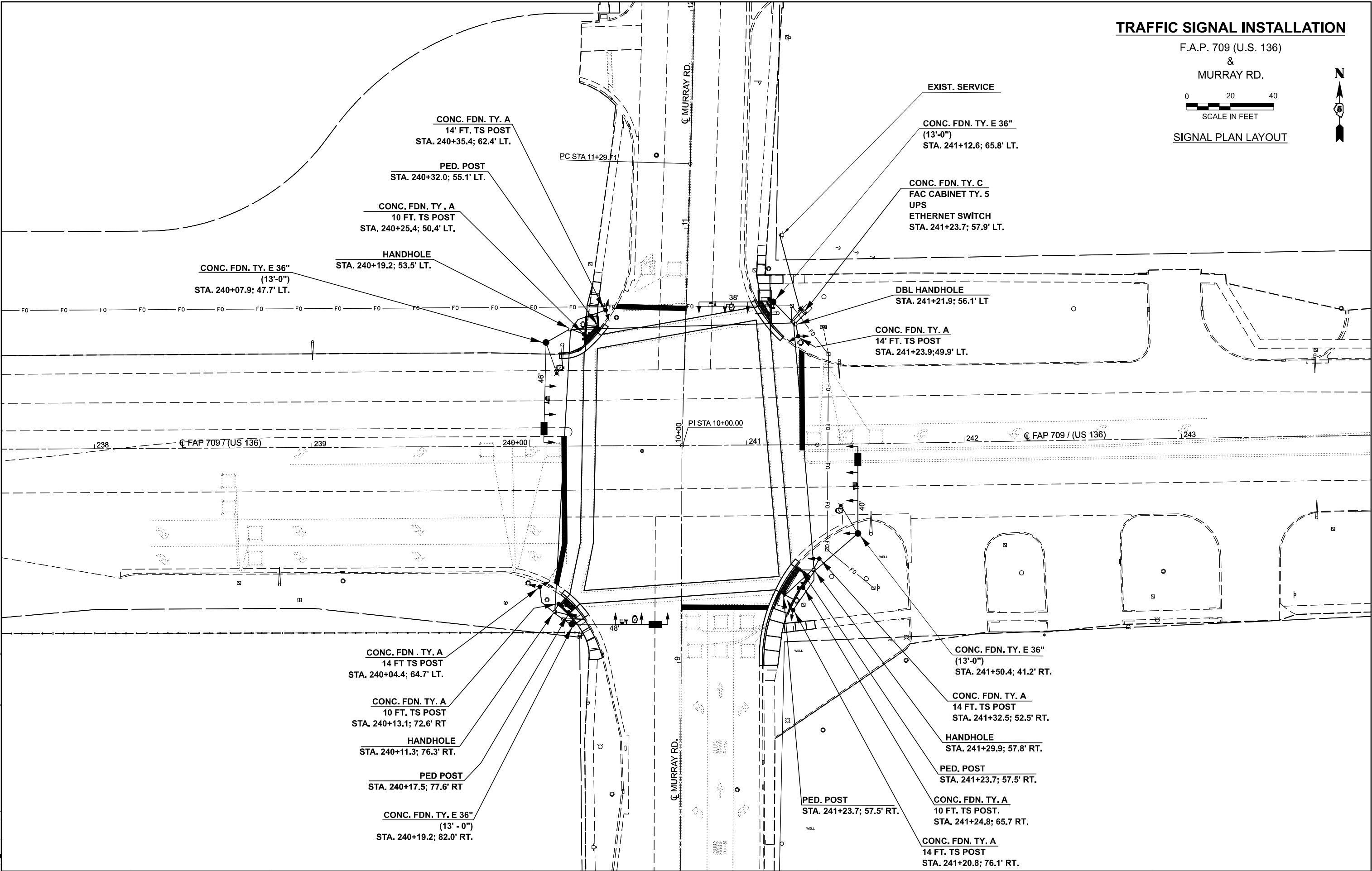
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		DRAWN -	REVISED -						709	113N	CHAMPAGN	22	14
		CHECKED -	REVISED -		CONTRACT NO. 70H36								
	PLOT DATE = 1/29/2025	DATE -	REVISED -										
	SCALE:		SHEET 2		OF 2	SHEETS	STA.	TO STA.					

TRAFFIC SIGNAL INSTALLATION

F.A.P. 709 (U.S. 136)
&
MURRAY RD.



SIGNAL PLAN LAYOUT



MODEL: Traffic Signal Plan Layout (Sheet)
FILE NAME: c:\p\work\project\projects\081718\0570+36-Sh-Traffic Signal Plan Sheets.dgn

PLOT DATE = 1/29/2025	USER NAME = Justin.Cearlock	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN LAYOUT			
SCALE:	SHEET 1	OF 1	SHEETS
	STA.		TO STA.

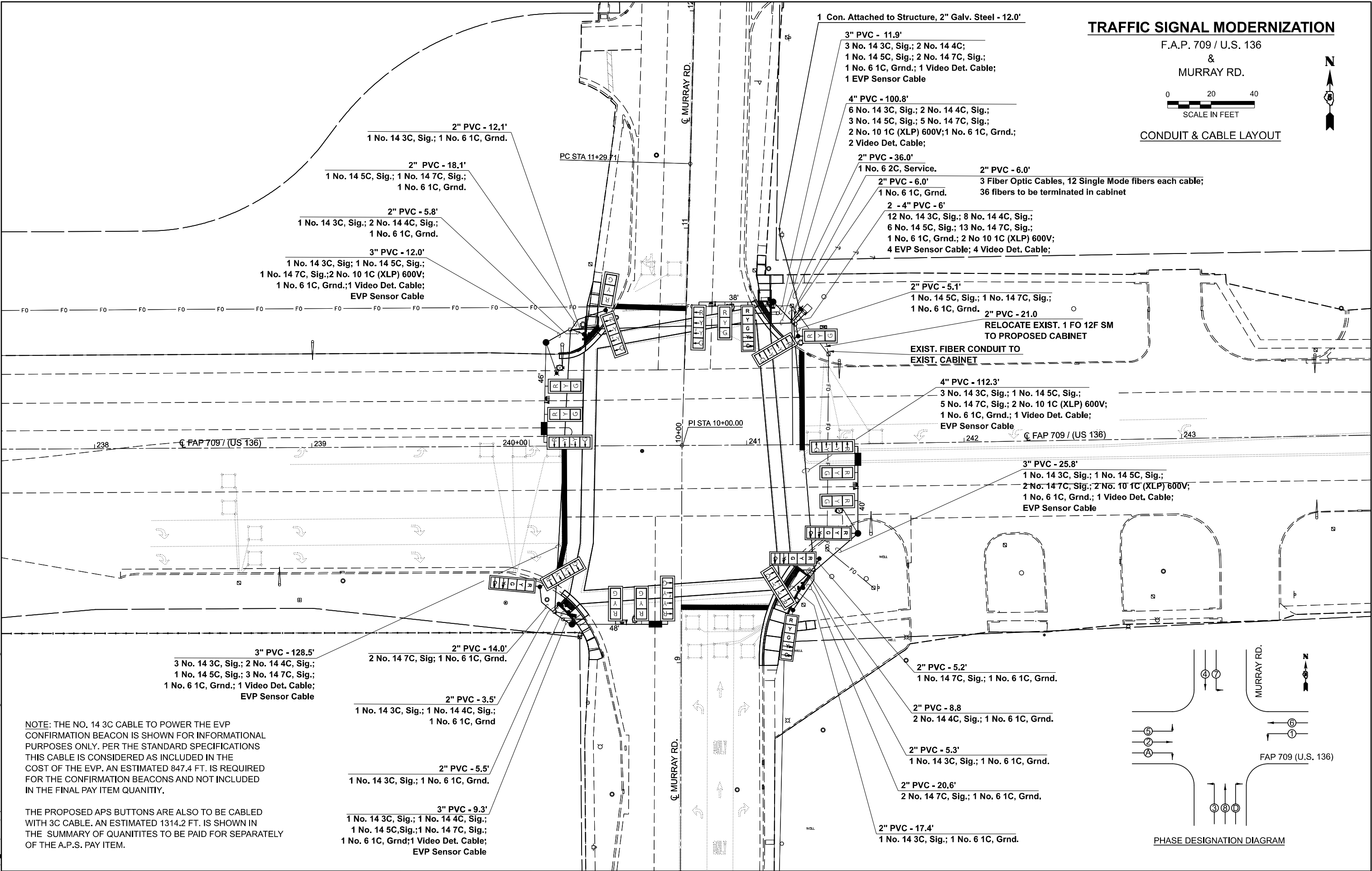
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709	113N	CHAMPAIGN	22	15
CONTRACT NO. 70H36				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MODERNIZATION

F.A.P. 709 / U.S. 136
&
MURRAY RD.

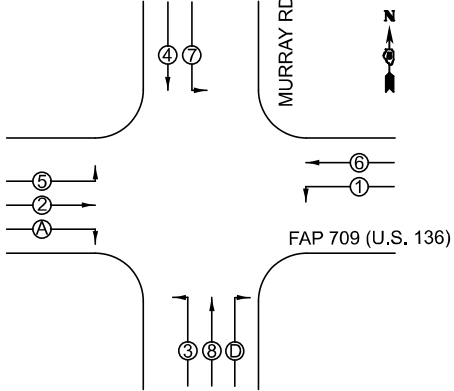


CONDUIT & CABLE LAYOUT



NOTE: THE NO. 14 3C CABLE TO POWER THE EVP CONFIRMATION BEACON IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. PER THE STANDARD SPECIFICATIONS THIS CABLE IS CONSIDERED AS INCLUDED IN THE COST OF THE EVP. AN ESTIMATED 847.4 FT. IS REQUIRED FOR THE CONFIRMATION BEACONS AND NOT INCLUDED IN THE FINAL PAY ITEM QUANTITY.

THE PROPOSED APS BUTTONS ARE ALSO TO BE CABLED WITH 3C CABLE. AN ESTIMATED 1314.2 FT. IS SHOWN IN THE SUMMARY OF QUANTITIES TO BE PAID FOR SEPARATELY OF THE A.P.S. PAY ITEM.



PHASE DESIGNATION DIAGRAM

MODEL: Conduit and Cable Layout [Sheet]
FILE NAME: c:\paw\work\proj\projcs\0981718\DS70H36-Shr-Traffic Signal Plan Sheets.dgn

PLOT DATE = 1/29/2025	USER NAME = Justin.Cearlock	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONDUIT AND CABLE LAYOUT

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

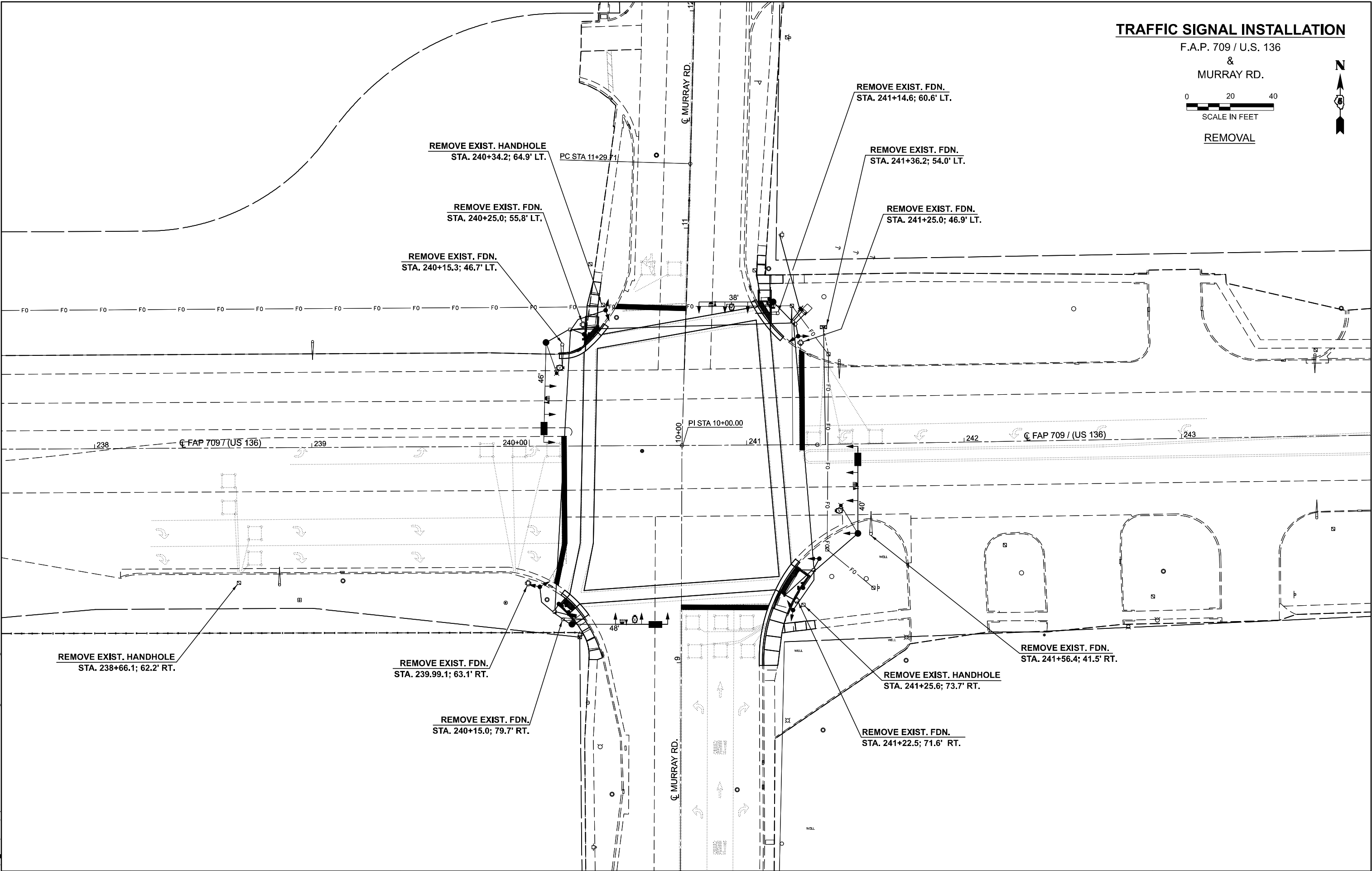
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709	113N	CHAMPAIGN	22	16
CONTRACT NO. 70H36				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL INSTALLATION

F.A.P. 709 / U.S. 136
&
MURRAY RD.



REMOVAL



MODEL: Traffic Signal Removal [Sheet]
FILE NAME: c:\p\work\projects\0981718\DS70H36-Sh-Traffic Signal Plan Sheets.dgn

PLOT DATE = 1/29/2025	USER NAME = Justin.Cearlock	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	DATE -	REVISED -	

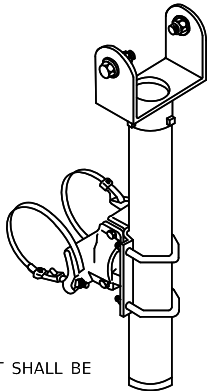
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL

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

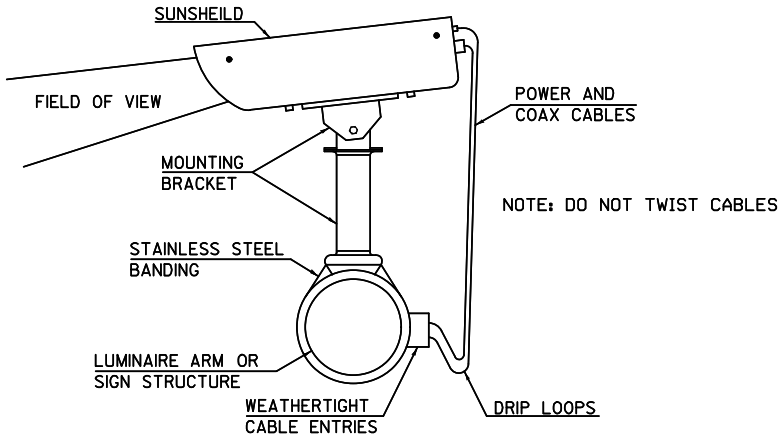
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709	113N	CHAMPAIGN	22	17
CONTRACT NO. 70H36				
ILLINOIS FED. AID PROJECT				

VIDEO DETECTION CAMERA BRACKET
MAST-ARM MOUNTED

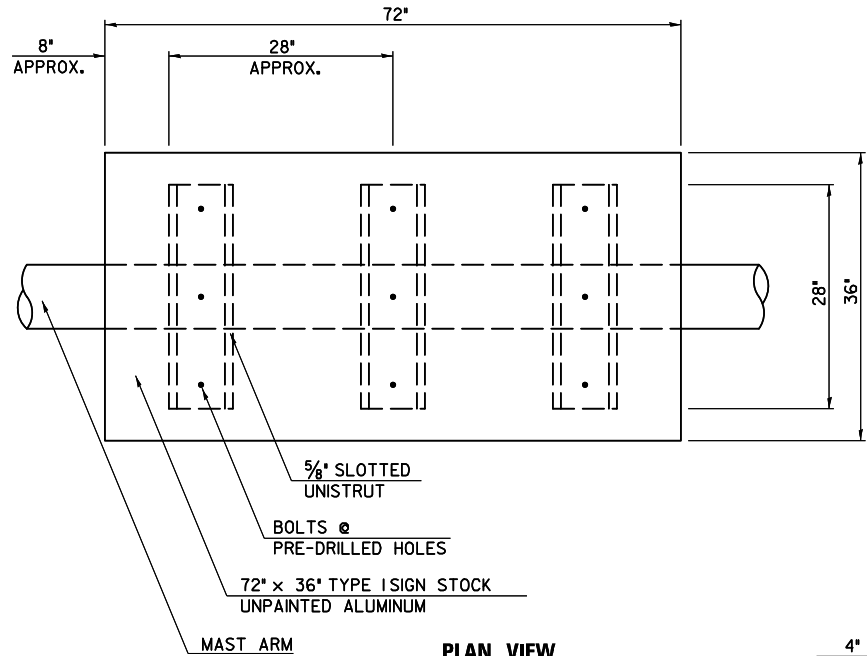


NOTE: CLAMP SCREW KIT SHALL BE
STAINLESS STEEL.

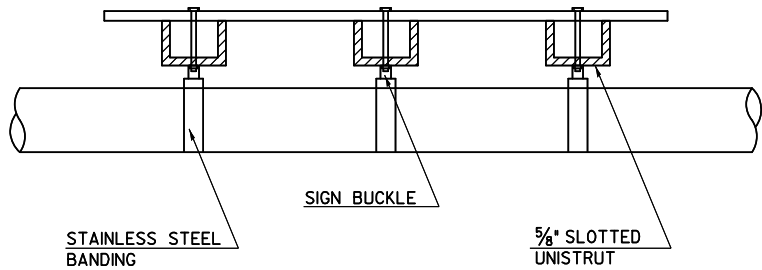
VIDEO DETECTOR MOUNTING DETAIL
LUMINAIRE TRUSS MOUNTED



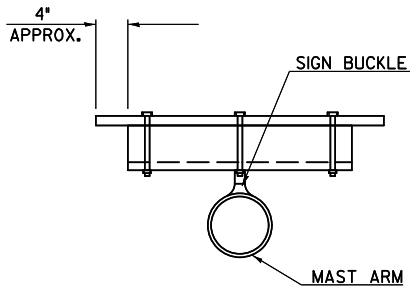
MAST ARM DAMPENING DEVICE MOUNTING DETAIL



PLAN VIEW



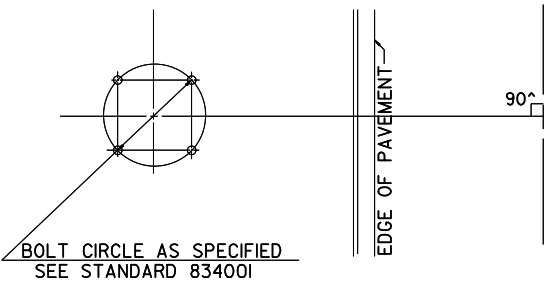
ELEVATION



CROSS SECTION

TRAFFIC SIGNAL GENERAL NOTES

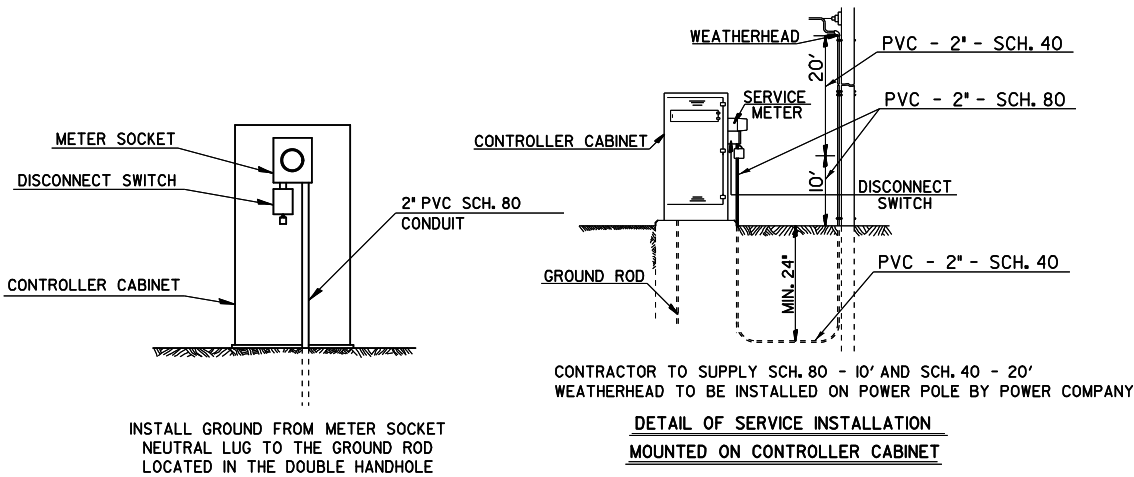
- 1 THE ACTUAL LOCATION OF ALL SIGNAL FOUNDATIONS, HANDHOLES, AND TRAFFIC CONTROLLER WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 2 THE FINAL LOCATIONS OF ALL TRAFFIC CONTROL ITEMS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.
- 3 POST MOUNTED SIGNALS SHALL BE INSTALLED SO THAT NO PART OF THE SIGNAL HEAD IS WITHIN 2 FT. OF THE FACE OF CURB.
- 4 ALL MAST ARM POLES SHALL BE A MINIMUM OF 6 FT. FROM THE CENTER OF THE POLE TO THE FACE OF CURB (ON THE MAST ARM SIDE) OR AS SHOWN ON THE PLANS.
- 5 COMBINATION MAST ARM ASSEMBLIES SHALL BE FURNISHED WITH 15' LUMINAIRE TRUSS ARMS WITH A MOUNTED LUMINAIRE HEIGHT OF 40 FT.
- 6 ALL TRAFFIC SIGNAL MAST ARMS MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.
- 7 SIGNAL FACES FOR THE NORTH APPROACH ARE NOTED AS "A","B" FOR THE SOUTH APPROACH,"C" FOR THE WEST APPROACH, AND "D" FOR THE EAST APPROACH.
- 8 ALIGN ADJACENT RED INDICATIONS TO SAME HEIGHT ABOVE PAVEMENT.
- 9 THE BASE FOR A TRAFFIC SIGNAL POST SHALL BE SITUATED SUCH THAT THE HANDHOLE IS LOCATED ON A SIDE AWAY FROM A TRAVELED LANE.
- 10 PEDESTRIAN PUSHBUTTON SIGNAL SIGNS SHALL BE MOUNTED ABOVE THE APPROPRIATE PEDESTRIAN PUSHBUTTON.
- 11 ITEMS REMOVED WILL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED IN THE CONTRACT.
- 12 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO COMMENCEMENT OF WORK TO OBTAIN UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATIONS.
- 13 THE ANTI-BACKUP FEATURE SHALL BE HARDWIRED ON THE BACKPANEL OF THE CONTROLLER CABINET.
- 14 TIMINGS SHOWN ARE FOR INITIAL OPERATION AND MAY BE ADJUSTED TO REFLECT SITE CONDITIONS PER APPROVAL OF THE TRAFFIC OPERATIONS ENGINEER.
- 15 THE CONTRACTOR SHALL SUPPLY AND MOUNT SIGNS BY THE MASTARM MOUNTED FYA SIGNAL HEADS STATING "LEFT TURN YIELD ON FLASHING YELLOW ARROW" (R10-109 AS SHOWN IN THE ILLINOIS STANDARD HIGHWAY SIGNS BOOK - JULY 1, 2014)



PEDESTRIAN PUSH-BUTTON SIGNS



PEDESTRIAN PUSH-BUTTON SIGNS SHALL BE MOUNTED ABOVE THE
PEDESTRIAN PUSH BUTTONS. THE SIGNS SHALL BE BOLTED TO THE POSTS.



SERVICE INSTALLATION TY. A (MODIFIED)

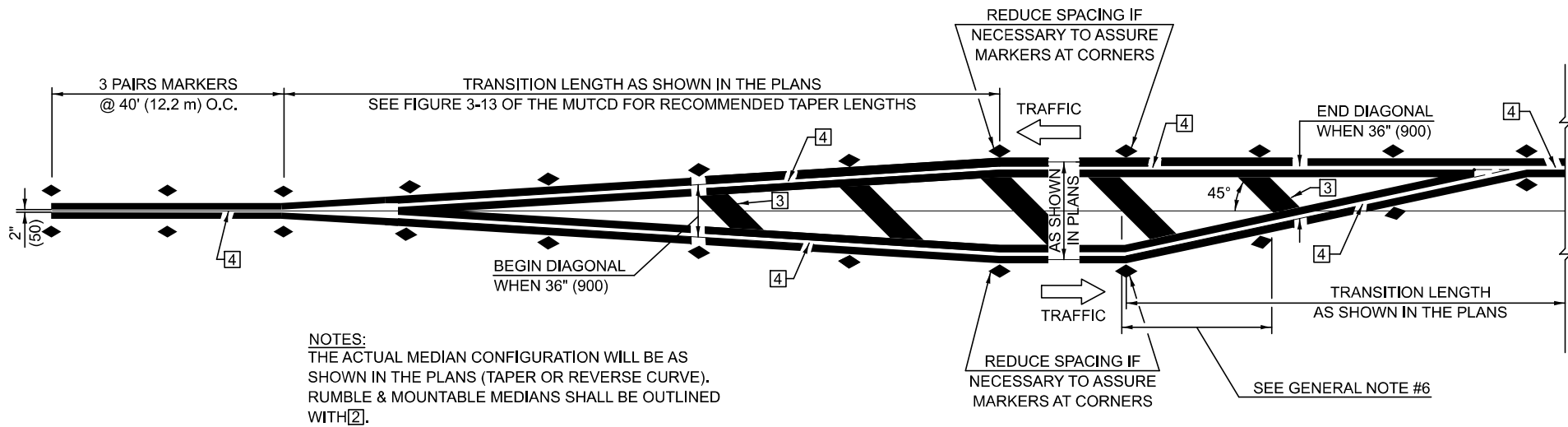
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	113N	CHAMPAIGN	22	18
CONTRACT NO. 70H36				
ILLINOIS FED. AID PROJECT				

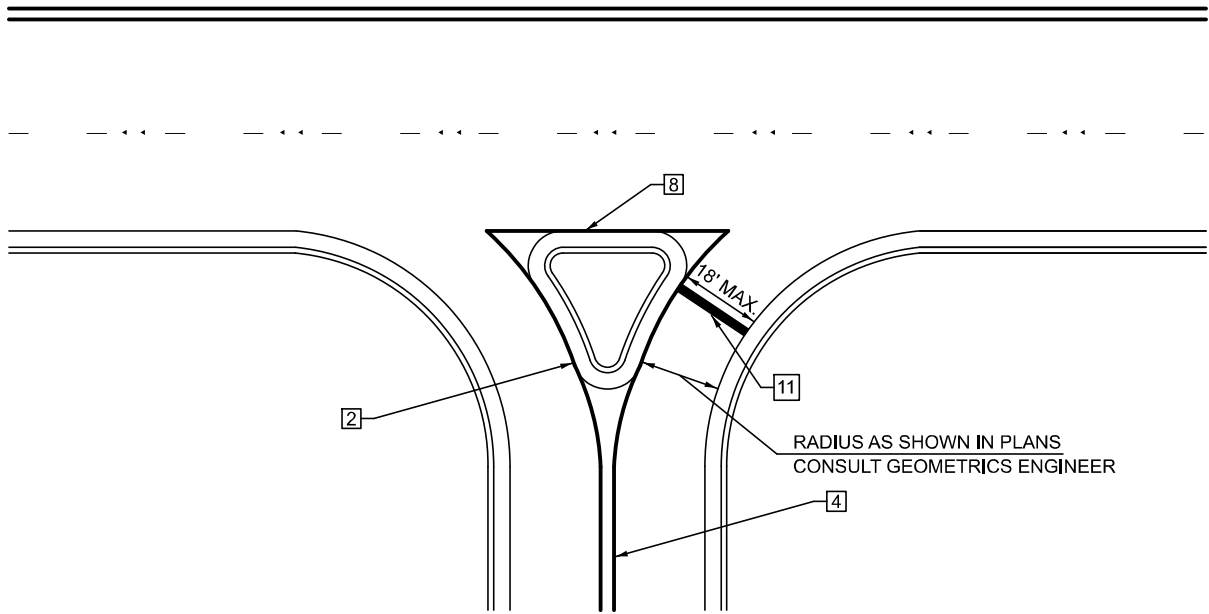
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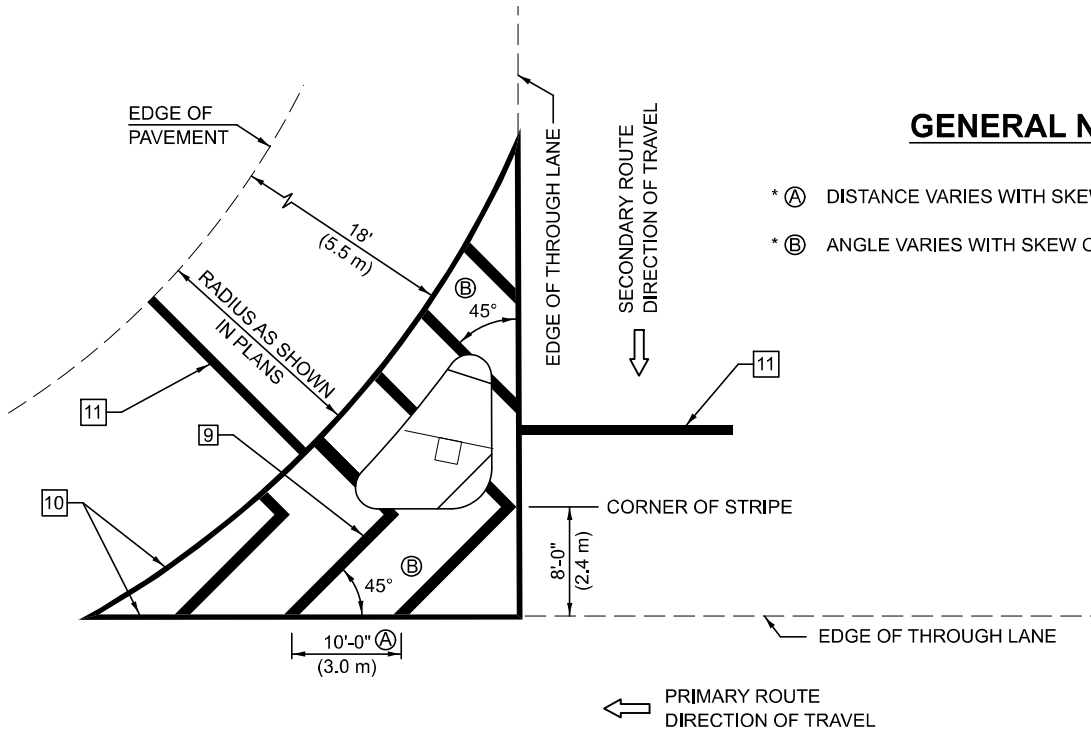
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
<30 MPH USE 15' (<50 km/h USE 4.5 m)
30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
>45 MPH USE 30' (>75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



ISLAND

* FOR RIGHT TURN LANE AND ISLAND STRIPING CONSULT GEOMETRICS ENGINEER.

GENERAL NOTES

- * (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- * (B) ANGLE VARIES WITH SKEW OF INTERSECTION.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

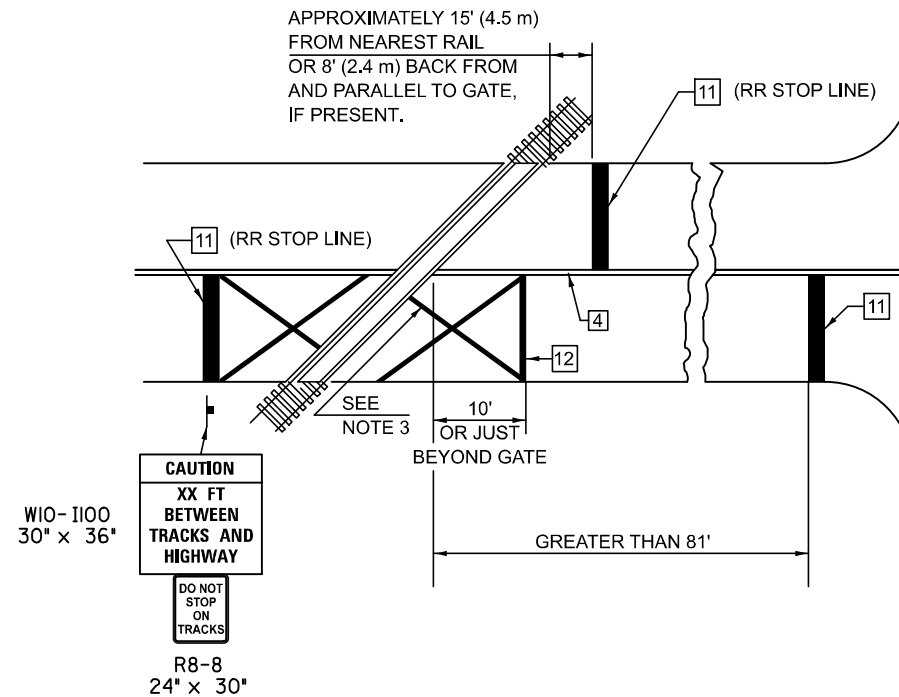
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	113N	CHAMPAIGN	22	21
CONTRACT NO. 70H36				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

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

USER NAME = Justin.Cearlock	DESIGNED -	REVISED - 4/2014 JLA
	DRAWN -	REVISED - 3/2019 SWN
	CHECKED -	REVISED - 8/2022 JLA
PLOT DATE = 1/29/2025	DATE -	REVISED - 9/2022 JWS



- ## ALTERNATE SIGNS



WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

D|STR|CT 5 DETA|L NO. 7800AAAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	113N	CHAMPAIGN	22	22
		CONTRACT NO. 70H36		
		ILLINOIS	FED. AID PROJECT	