

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	1
		ILLINOIS	CONTRACT NO. 80B68	

\* 69 + 1 = 70 TOTAL SHEETS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN THE CITIES OF NAPERVILLE AND AURORA.

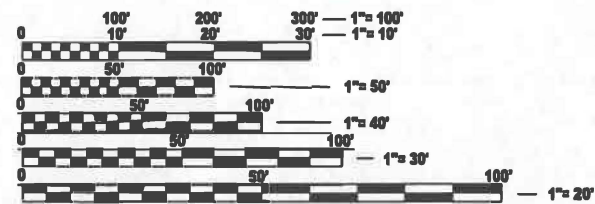
TRAFFIC DATA: IL RT 59

2024 ADT - 52,200 VPD  
OTHER PRINCIPAL ARTERIAL  
POSTED SPEED LIMIT: 40 - 45 MPH

PROPOSED  
HIGHWAY PLANS

FAP ROUTE 338 (IL 59)  
MCCOY DR TO ARTESIAN RD  
STANDARD OVERLAY AND ADA IMPROVEMENTS  
SECTION: 2025-2023-PP  
DUPAGE COUNTY  
C-91-027-26

R 9 E

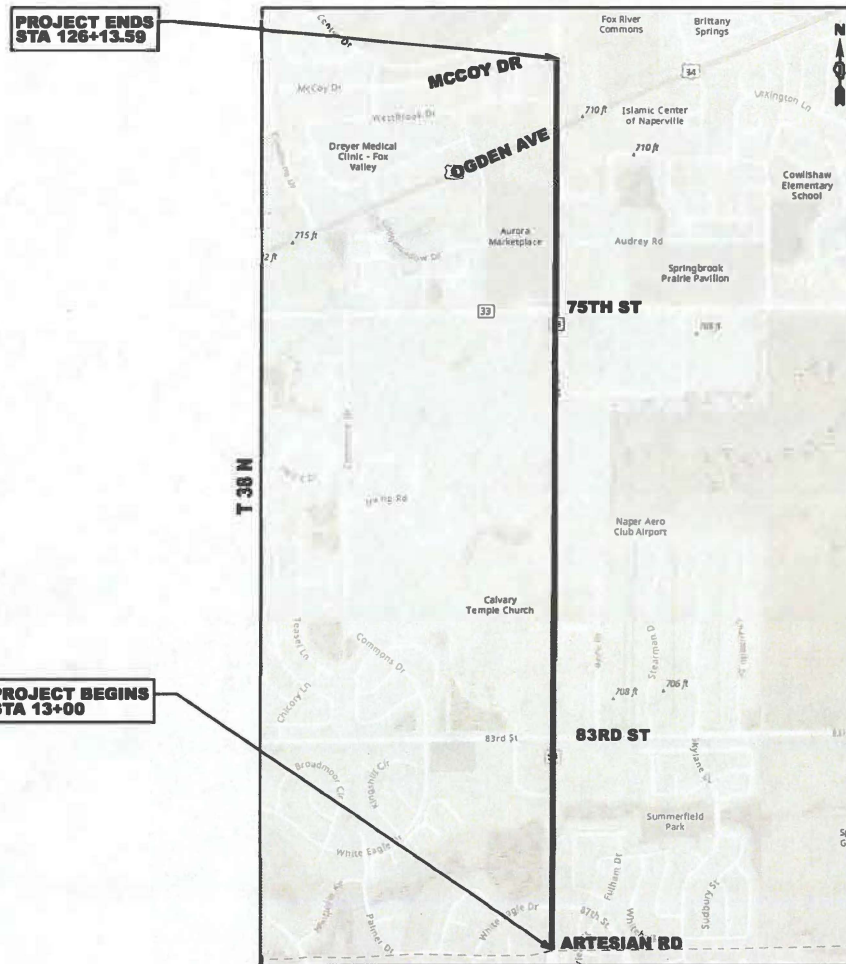


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: DANIEL WILGREEN, P.E. (847-705-4240)  
PROJECT MANAGER: J. ALAIN MIDY, P.E. (847)-221-3056

CONTRACT NO. 80B68



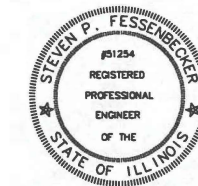
PROJECT ENDS  
STA 126+13.59

PROJECT BEGINS  
STA 13+00

NAPERVILLE TOWNSHIP

GROSS LENGTH = 11,313.59 FT. = 2.143 MILE

NET LENGTH = 11,313.59 FT. = 2.143 MILE



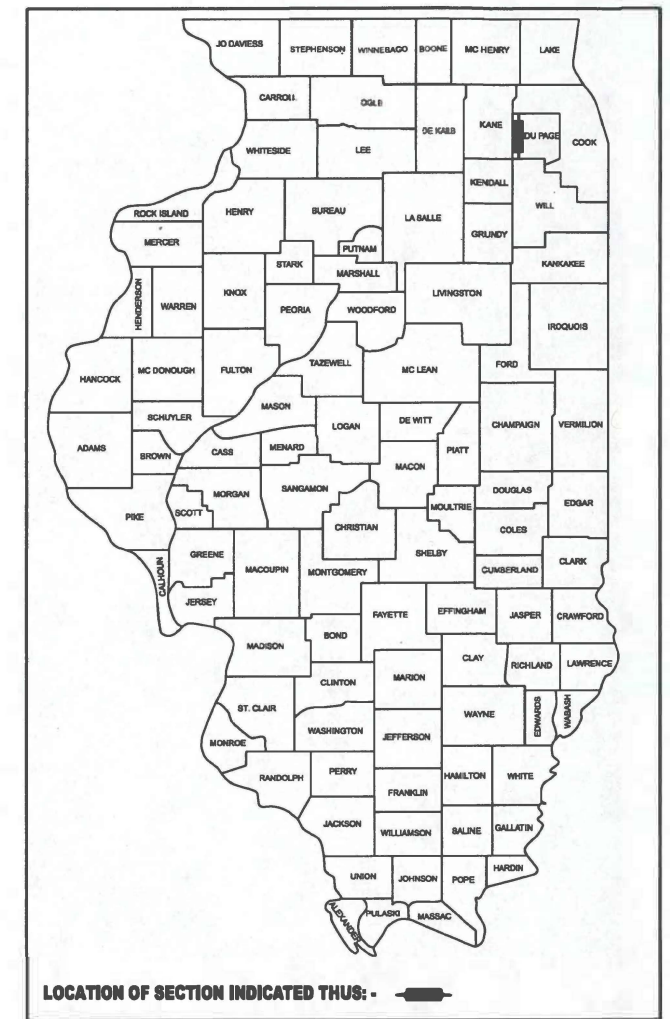
*Steven P. Fessenbecker*

STEVEN P. FESSENBECKER  
ILLINOIS LICENSE NO. 062-051254  
DATE OF EXPIRATION 11/30/2027  
FOR SHEETS 1-35



*Matthew J. Letourneau*

MATTHEW J. LETOURNEAU  
ILLINOIS LICENSE NO. 062-055763  
DATE OF EXPIRATION 11/30/2027  
FOR SHEETS 36-58



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 26 2026  
*Jack P. ... IR*  
REGIONAL ENGINEER

March 20 2026  
*Scott A. ...*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 20 2026  
*Gregory ...*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

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701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
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701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
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886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTOR 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 BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- ALL PROPOSED WORK SHALL TAKE PLACE WITHIN EXISTING ROW WITHIN EXISTING FACILITIES INCLUDING HANDHOLES, CONDUITS, OR TRAFFIC SIGNAL CABINETS.
- 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 AND UNDERGROUND FACILITIES CONTACT THE LOCAL COUNTIES, MUNICIPALITIES FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 (48 HOURS NOTIFICATION REQUIRED).
- 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 COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND LOCAL GOVERNMENT AGENCIES.
- RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, 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 ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) SPECIFICATIONS 252 AND 250 RESPECTIVELY. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY EQUIPMENT OR LABORERS TO EXISTING CONDITIONS.
- THE CONTRACTOR SHALL SOLELY BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL CONSTRUCTION ACTIVITIES.
- TRAFFIC SIGNAL PLANS USE EXISTING RECORD DRAWINGS AS A BACKGROUND FOR THE PROPOSED PLAN. CONTRACTOR SHALL USE CARE IN CORRECTLY DISTINGUISHING PROPOSED WORK.
- THE WORK IN THIS CONTRACT IS LIMITED TO MILLING AND RESURFACING OF THE ROADWAY, THE INSTALLATION OF THE NEW GEOMETRIC UPGRADES, ADA COMPLIANT PUSH BUTTONS AND PEDESTRIAN SIGNAL HEADS AS WELL AS ANY OTHER COMPONENTS AS SPECIFIED IN THE SCHEDULE OF QUANTITIES.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT EMAD ALHUSSEINI, AREA TRAFFIC FIELD ENGINEER AT EMAD.ALHUSSEINI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
- TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER.
- PAVEMENT MARKING TAPE TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	2
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				



130 EAST RANDOLPH STREET, SUITE 2400  
CHICAGO, IL 60601  
PHONE: (312) 373-7700

USER NAME = nolan.hicks	DESIGNED - NRH	REVISED - NRH 3/11/2026
	DRAWN - NRH	REVISED -
PLOT SCALE = 2.000" / in.	CHECKED - SPF	REVISED -
PLOT DATE = 3/11/2026	DATE - 3/11/2026	REVISED -

MODEL: Default  
FILE NAME: c:\pwworking\usidms207650\180B68-sht-genote.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TYPE CODE		
				ROADWAY	ROADWAY	TRAFFIC SIGNALS
				100% STATE	100% STATE	100% STATE
				0006	0006	0021
				URBAN	URBAN	URBAN
20200100	EARTH EXCAVATION	CU YD	92	92		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,129	1,129		
25200110	SODDING, SALT TOLERANT	SQ YD	1,129	1,129		
25200200	SUPPLEMENTAL WATERING	UNIT	61	61		
28000400	PERIMETER EROSION BARRIER	FOOT	825	825		
28000510	INLET FILTERS	EACH	237	237		
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	6	6		
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SQ YD	6	6		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	77,751	77,751		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	72,606	72,606		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	218	218		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	514	514		
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	3,110	3,110		
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	5,006	5,006		

\* = SPECIALITY ITEM

MODEL: Default  
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USERNAME = dominguez1  
PLOT SCALE = 2.000" / in.  
PLOT DATE = 2/2/2026

DESIGNED - NRH  
DRAWN - NRH  
CHECKED - SPF  
DATE - 2/2/2026

REVISED -  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)

SCALE: SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	3
CONTRACT NO. 80B68				
ILLINOIS		FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TYPE CODE		
				ROADWAY	ROADWAY	TRAFFIC SIGNALS
					0	
				100% STATE	100% STATE	100% STATE
				0006	0006	0021
URBAN	URBAN	URBAN				
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	12,481	12,481		
42001300	PROTECTIVE COAT	SQ YD	2,334	2,334		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7,616	7,616		
42400800	DETECTABLE WARNINGS	SQ FT	498	498		
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	538	538		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	891	891		
44000600	SIDEWALK REMOVAL	SQ FT	7,200	7,200		
44003100	MEDIAN REMOVAL	SQ FT	316	316		
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	2,584	2,584		
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	640	640		
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	1,277	1,277		
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	1,912	1,912		
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	2,550	2,550		
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	3	3		

\* = SPECIALITY ITEM

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DRAWN - NRH  
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DATE - 2/2/2026

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B68	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TYPE CODE		
				ROADWAY	ROADWAY	TRAFFIC SIGNALS
				100% STATE	100% STATE	100% STATE
				0006	0006	0021
				URBAN	URBAN	URBAN
60262700	INLETS TO BE RECONSTRUCTED	EACH	16	16		
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	10	10		
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	10	10		
60404950	FRAMES AND GRATES, TYPE 24	EACH	10	10		
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5		
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	299	299		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	592	592		
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	673	673		
60620000	CONCRETE MEDIAN, TYPE SB-6.24	SQ FT	221	221		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CUYD	92	92		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1		

\* = SPECIALITY ITEM

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	5
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TYPE CODE		
				ROADWAY	ROADWAY	TRAFFIC SIGNALS
				100% STATE	100% STATE	100% STATE
				0006	0006	0021
				URBAN	URBAN	URBAN
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	3	3		
67100100	MOBILIZATION	L SUM	1	1		
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1		
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1		
70307120	TEMPORARY PAVEMENT MARKING - LINE 4"- TYPE IV TAPE	FOOT	2,703	2,703		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	27,022	26,022		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	9,008	9,008		
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	4,809	4,809		
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	25,049	25,049		
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	18,809	18,809		
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	10,411	10,411		

\* = SPECIALITY ITEM

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	6
CONTRACT NO. 80B68			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TYPE CODE		
				ROADWAY	ROADWAY	TRAFFIC SIGNALS
				100% STATE	100% STATE	100% STATE
				0006	0006	0021
				URBAN	URBAN	URBAN
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	9,951	9,951		
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	2,862	2,862		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2,405	2,405		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,073	2,073		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	9,208	9,208		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	5,206	5,206		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	4,976	4,976		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1,431	1,431		
* 78004630	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 6"	FOOT	10,452	10,452		
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	10,452	10,452		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	313	313		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	313	313		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	92			92
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	7			7

\* = SPECIALITY ITEM

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)

SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	7
CONTRACT NO. 80B68			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TYPE CODE		
				ROADWAY	ROADWAY	TRAFFIC SIGNALS
				100% STATE	100% STATE	100% STATE
				0006	0006	0021
				URBAN	URBAN	URBAN
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,347			2,347
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,693			1,693
	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	5,417		5,417
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	197			197
* 87900200	DRILL EXISTING HANDHOLE	EACH	10			10
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8			8
	89500100	INDUCTIVE LOOP DETECTOR	EACH	12		12
* 89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1			1
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,331			1,331
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6			6
* 89502376	REBUILD EXISTING HANDHOLE	EACH	1			1
* 89502378	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	6			6
	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1		1
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1	
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1			1
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	8			8
* X1400450	REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	9			9

\* = SPECIALITY ITEM

MODEL: Default  
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USERNAME = dominguez1  
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PLOT DATE = 2/2/2026

DESIGNED - NRH  
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DATE - 2/2/2026

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	8
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TYPE CODE		
				ROADWAY	ROADWAY	TRAFFIC SIGNALS
				100% STATE	100% STATE	100% STATE
				0006	0006	0021
				URBAN	URBAN	URBAN
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	35,429	35,429		
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	1,106	1,106		
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	3,293	3,293		
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1,000		1,000	
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	16	16		
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	189	189,00		
* X8140238	REBUILD EXISTING DOUBLE HANDHOLE	EACH	1			1
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	26			26
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	40			40
* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	6,209			6,209
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	198		198	
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	5			5
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOOR	500	500		

\* = SPECIALITY ITEM

∅ 0042

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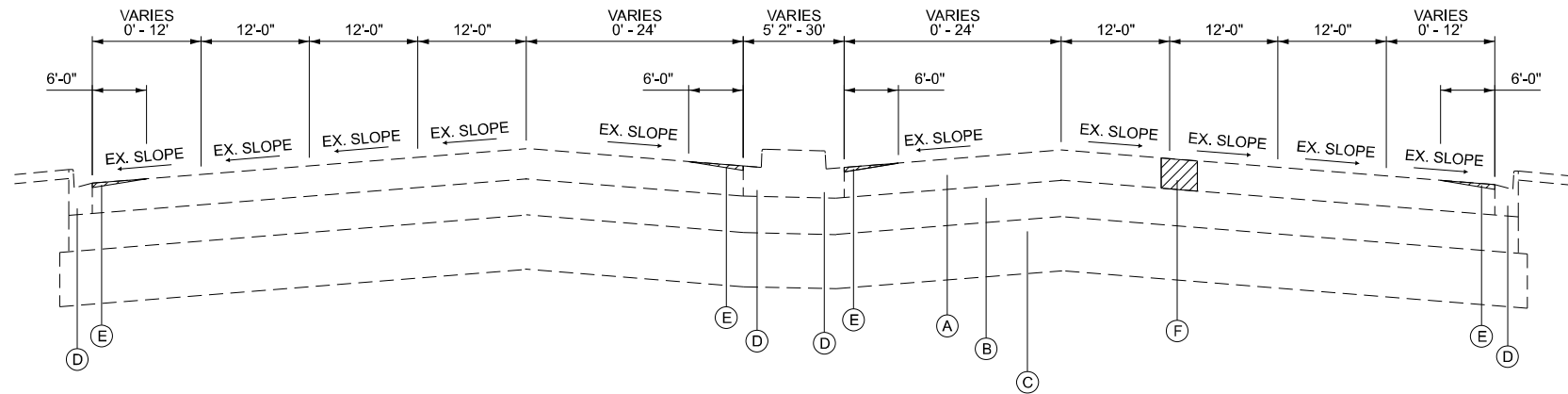
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

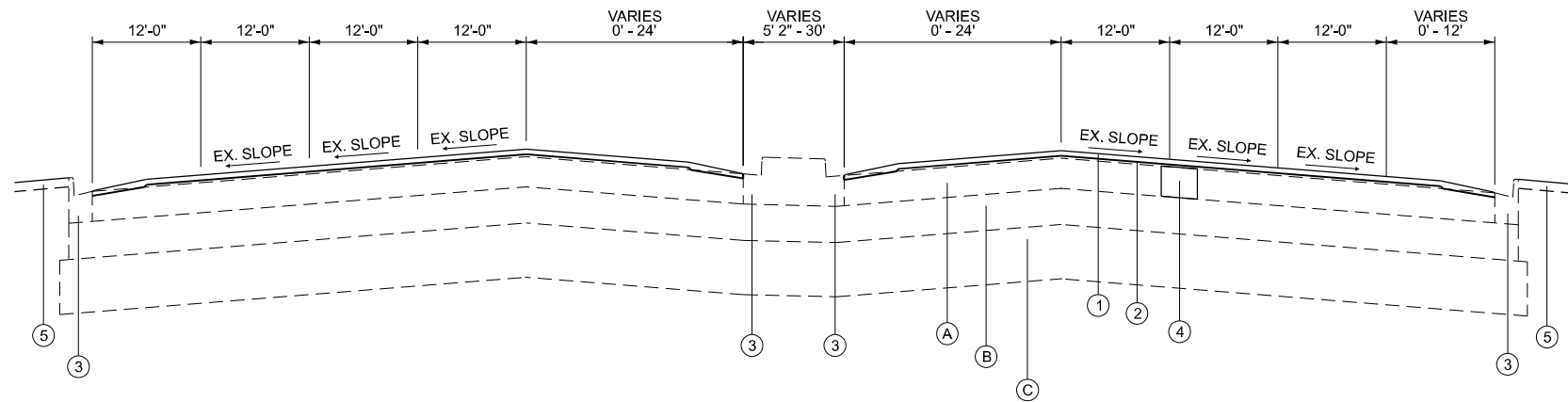
SUMMARY OF QUANTITIES  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	9
CONTRACT NO. 80B68			ILLINOIS FED. AID PROJECT	



**EXISTING TYPICAL SECTION**  
ILLINOIS ROUTE 59  
STA 13+00 TO STA 126+13.59



**PROPOSED TYPICAL SECTION**  
ILLINOIS ROUTE 59  
STA 13+00 TO STA 126+13.59

**LEGEND**

- (A) EXISTING JOINTED PCC PAVEMENT, 10"
- (B) EXISTING AGGREGATE SUBGRADE
- (C) EXISTING POROUS GRANULAR EMBANKMENT
- (D) EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24  
(SPOT CURB REMOVAL AND REPLACEMENT AS DIRECTED BY THE ENGINEER)
- (E) PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)
- (F) CLASS D PATCHES (AS DIRECTED BY THE ENGINEER)
  
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80 - 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 1"
- (3) COMBINATION CURB AND GUTTER, TYPE B-6.24  
(SPOT CURB REMOVAL AND REPLACEMENT AS DIRECTED BY THE ENGINEER)
- (4) CLASS D PATCHES (AS DIRECTED BY THE ENGINEER)
- (5) TOPSOIL FURNISH AND PLACE, 4"  
SODDING, SALT TOLERANT  
(AS DIRECTED BY THE ENGINEER)

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USER NAME = nolan.hicks	DESIGNED - NRH	REVISED - NRH 3/11/2026
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PLOT SCALE = 20,000' / in.	CHECKED - SPF	REVISED -
PLOT DATE = 3/11/2026	DATE - 3/11/2026	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**  
**ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	10
CONTRACT NO. 80B68				
		ILLINOIS FED. AID PROJECT		

MODEL: Default  
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MIXTURE TYPE	AIR VOIDS @ NDES	QMP
PAVEMENT OVERLAY		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	3.5% @ 80 GYR.	PFP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 GYR.	QCP
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19MM)	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

**NOTES**

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE SBS PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
3. LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON P HMA BC IL-4.75 N50.



USER NAME = nolan.hicks	DESIGNED - NRH	REVISD - NRH 3/11/2026
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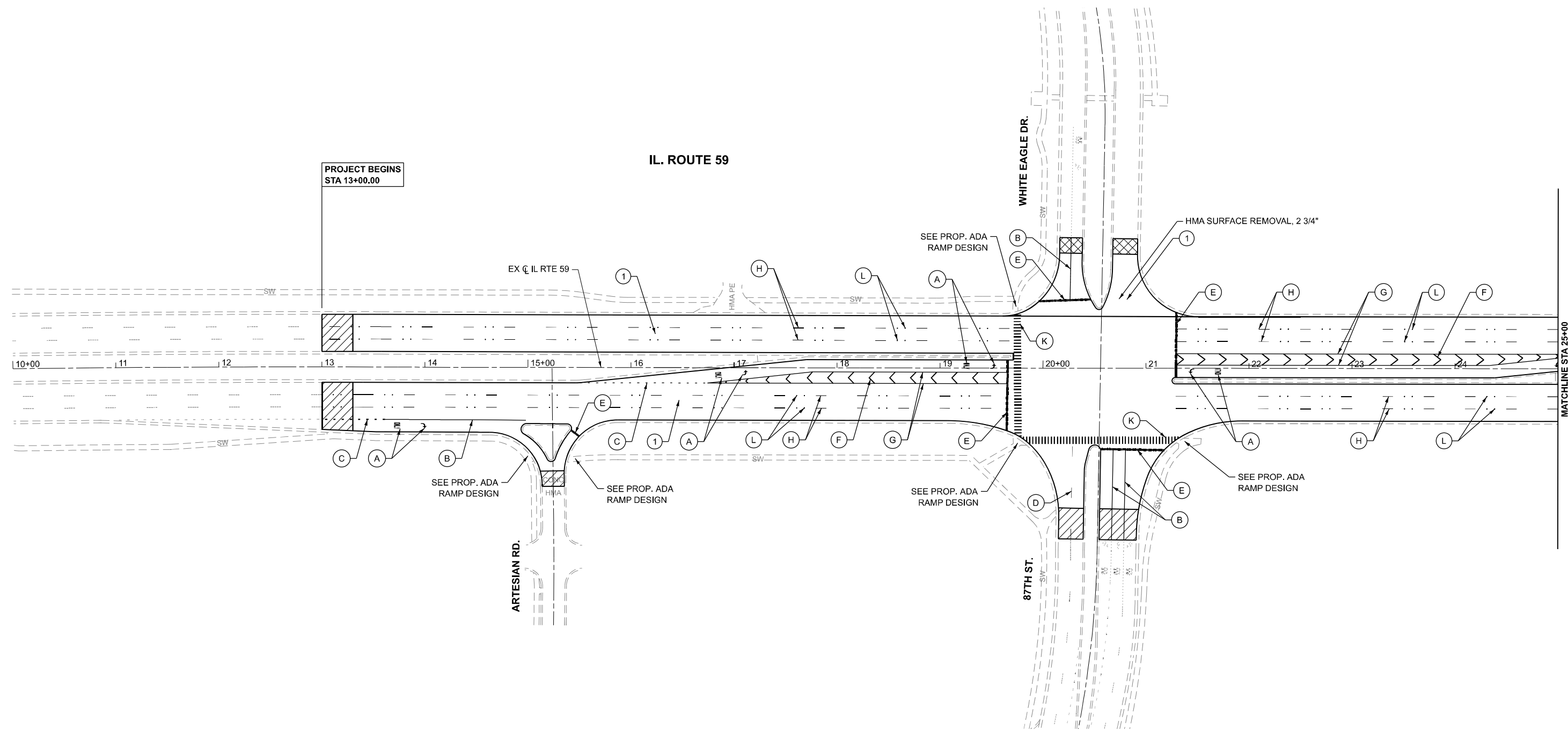
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
 ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	11
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- (A) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", WHITE
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", WHITE (STOP BAR)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, WHITE

- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE
- (H) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD-LINE 6", 10' DASH-30' SKIP, WHITE GROOVING FOR RECESSED PAVEMENT MARKING 7"
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", DOUBLE YELLOW @ 11" C-C
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, YELLOW
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (CONTINENTAL CROSSWALK)
- (L) RAISED REFLECTIVE PAVEMENT MARKER (SEE STANDARD TC-11)

- (1) PROP. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"  
PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"

- PCC SURFACE REMOVAL, BUTT JOINT
- HMA SURFACE REMOVAL, BUTT JOINT
- MEDIAN REMOVAL PARTIAL DEPTH



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)**

SCALE: 1" = 50'    SHEET 1 OF 8 SHEETS    STA. 10+00 TO STA. 25+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	12
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 59

MACOM DR.

SEE PROP. ADA RAMP DESIGN

SEE PROP. ADA RAMP DESIGN

HMA

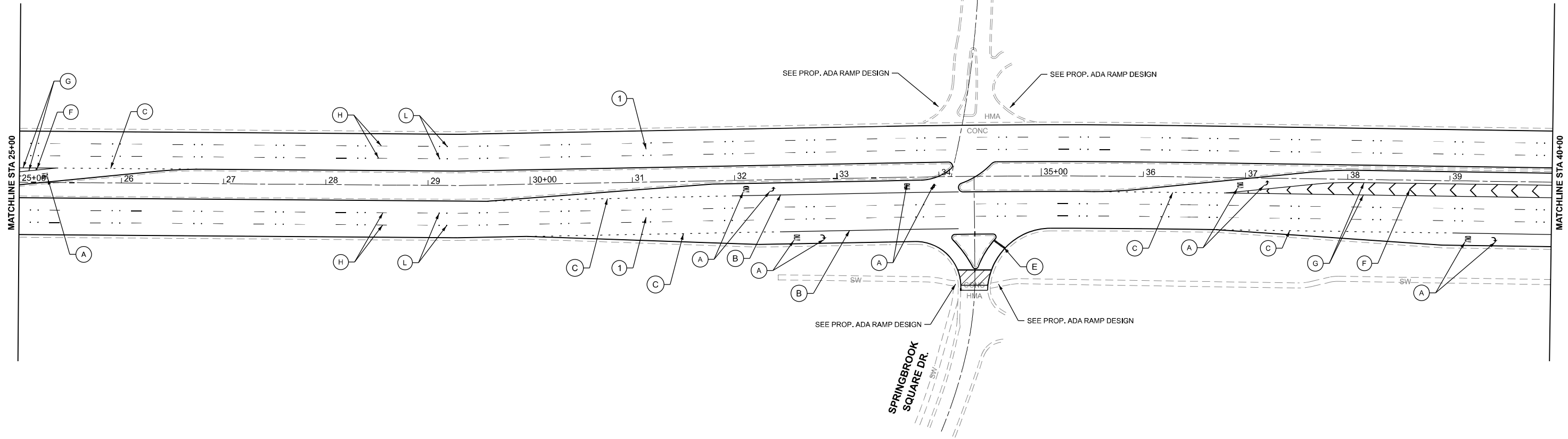
CONC

HMA

SPRINGBROOK  
SQUARE DR.

SEE PROP. ADA RAMP DESIGN

SEE PROP. ADA RAMP DESIGN

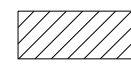
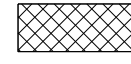



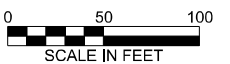
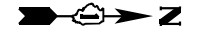
**LEGEND**

- (A) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", WHITE
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", WHITE (STOP BAR)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, WHITE

- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE
- (H) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD-LINE 6", 10' DASH-30' SKIP, WHITE GROOVING FOR RECESSED PAVEMENT MARKING 7"
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", DOUBLE YELLOW @ 11" C-C
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, YELLOW
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (CONTINENTAL CROSSWALK)
- (L) RAISED REFLECTIVE PAVEMENT MARKER (SEE STANDARD TC-11)

- (1) PROP. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"  
PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"

-  PCC SURFACE REMOVAL, BUTT JOINT
-  HMA SURFACE REMOVAL, BUTT JOINT
-  MEDIAN REMOVAL PARTIAL DEPTH



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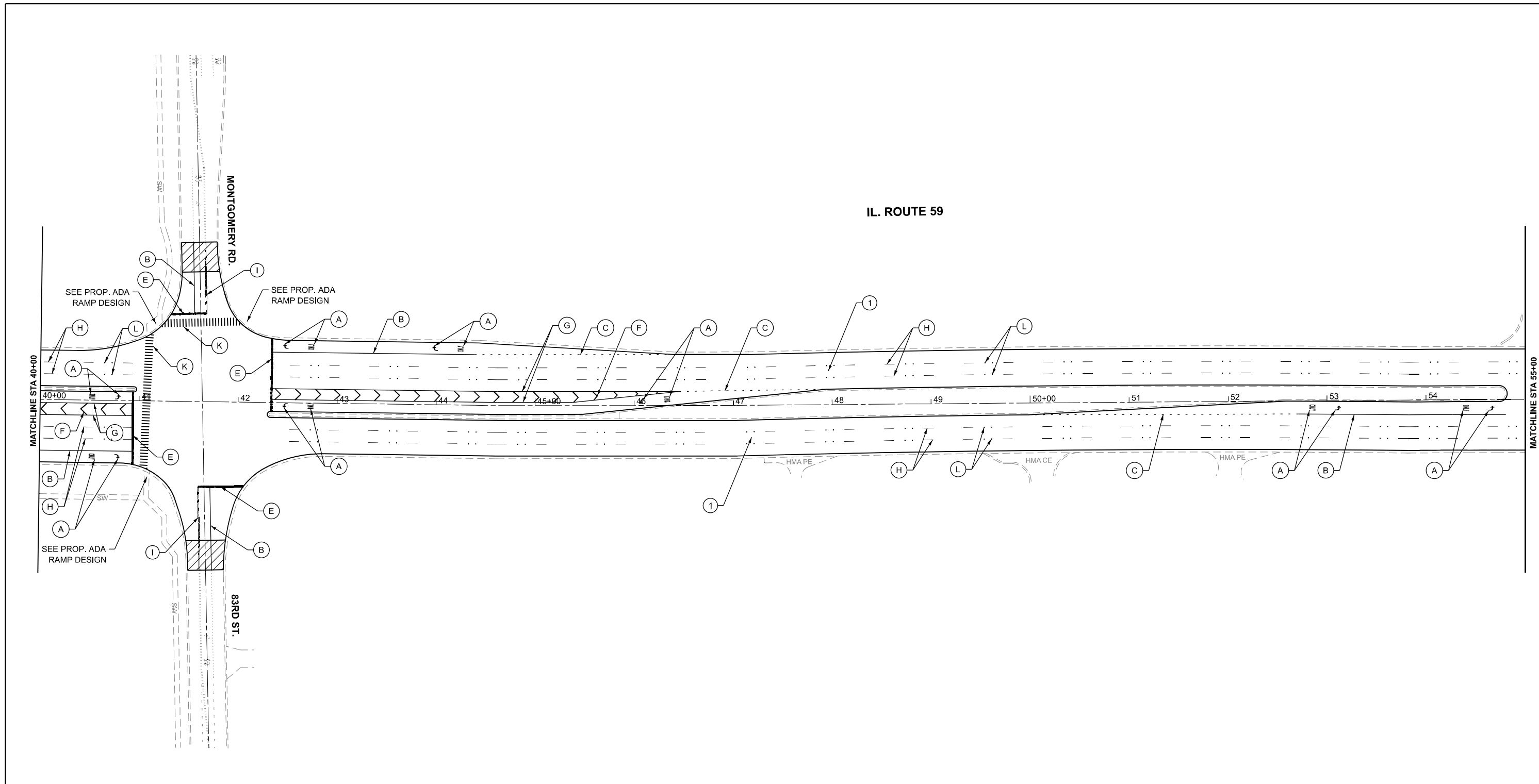
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)

SCALE: 1" = 50' SHEET 2 OF 8 SHEETS STA. 25+00 TO STA. 40+00

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 13
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

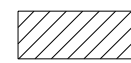
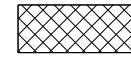



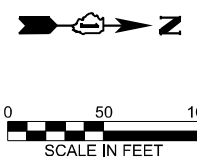
**LEGEND**

- (A) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", WHITE
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", WHITE (STOP BAR)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, WHITE

- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE
- (H) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD-LINE 6", 10' DASH-30' SKIP, WHITE GROOVING FOR RECESSED PAVEMENT MARKING 7"
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- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (CONTINENTAL CROSSWALK)
- (L) RAISED REFLECTIVE PAVEMENT MARKER (SEE STANDARD TC-11)

- (1) PROP. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"  
PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"

-  PCC SURFACE REMOVAL, BUTT JOINT
-  HMA SURFACE REMOVAL, BUTT JOINT
-  MEDIAN REMOVAL PARTIAL DEPTH



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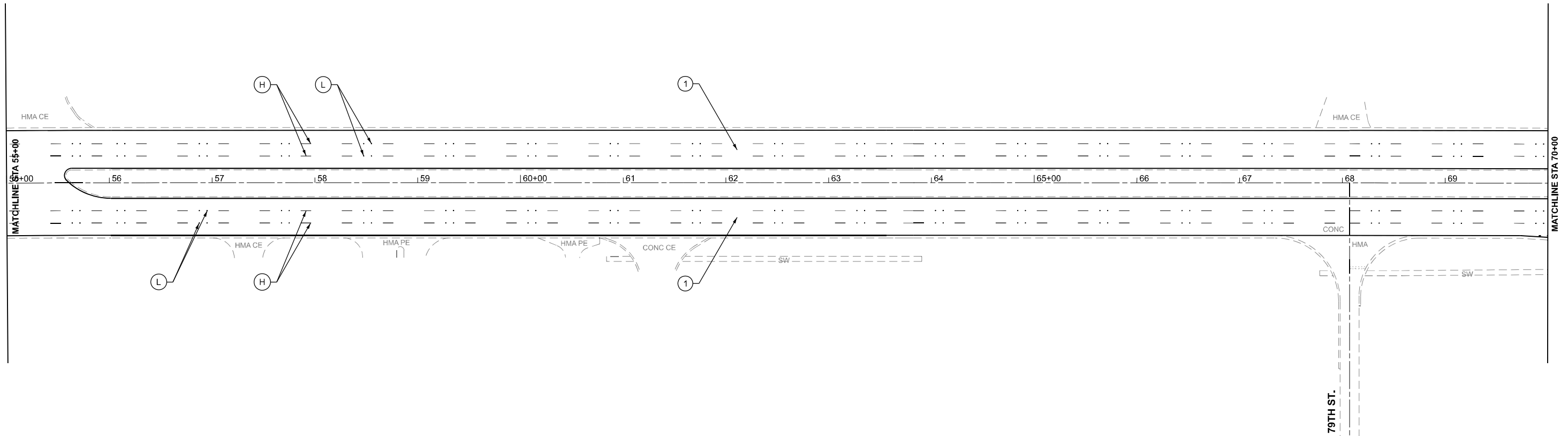
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)**

SCALE: 1" = 50'    SHEET 3 OF 8 SHEETS    STA. 40+00 TO STA. 55+00

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 14
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

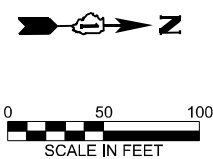
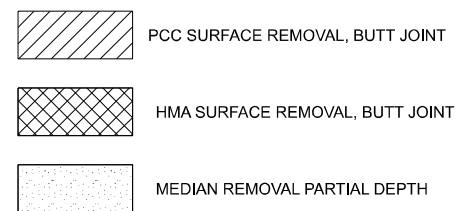
IL. ROUTE 59



**LEGEND**

- (A) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", WHITE
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", WHITE (STOP BAR)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, WHITE
- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE
- (H) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD-LINE 6", 10' DASH-30' SKIP, WHITE GROOVING FOR RECESSED PAVEMENT MARKING 7"
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- (1) PROP. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"  
PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"



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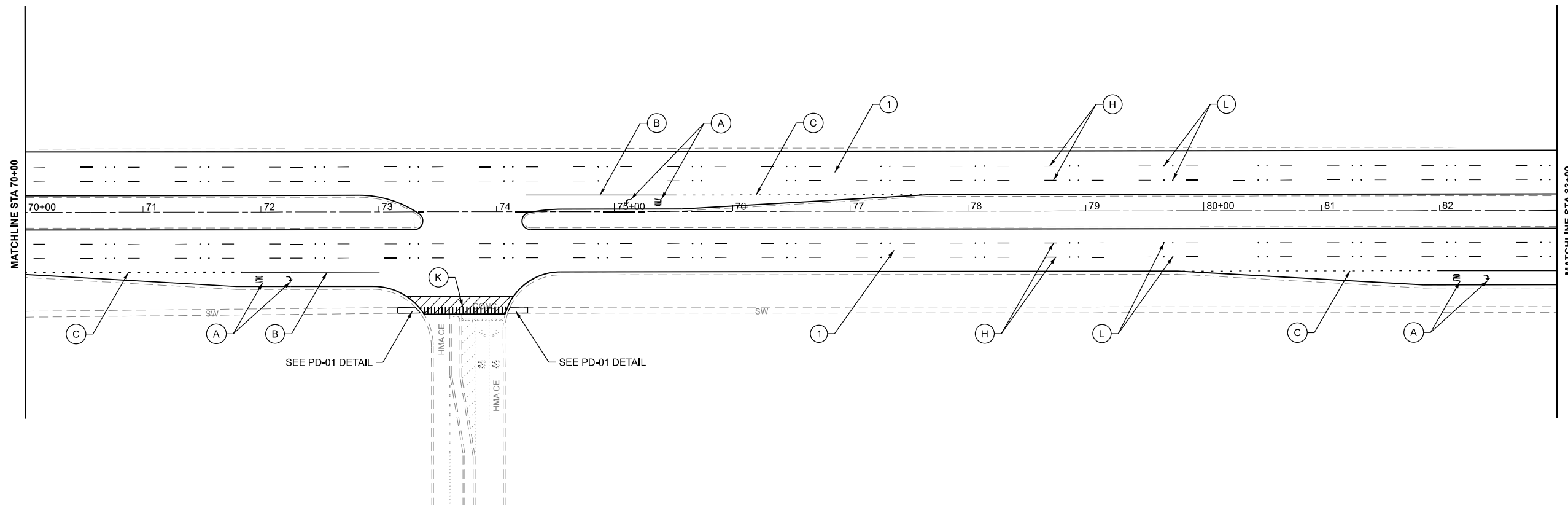
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)**

SCALE: 1" = 50'    SHEET 4 OF 8 SHEETS    STA. 55+00 TO STA. 70+00

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 15
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 59



**LEGEND**

- (A) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", WHITE
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", WHITE (STOP BAR)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, WHITE

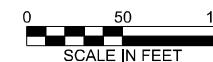
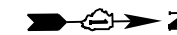
- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE
- (H) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD-LINE 6", 10' DASH-30' SKIP, WHITE GROOVING FOR RECESSED PAVEMENT MARKING 7"
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", DOUBLE YELLOW @ 11" C-C
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, YELLOW
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (CONTINENTAL CROSSWALK)
- (L) RAISED REFLECTIVE PAVEMENT MARKER (SEE STANDARD TC-11)

- (I) PROP. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"  
PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"

PCC SURFACE REMOVAL, BUTT JOINT

HMA SURFACE REMOVAL, BUTT JOINT

MEDIAN REMOVAL PARTIAL DEPTH



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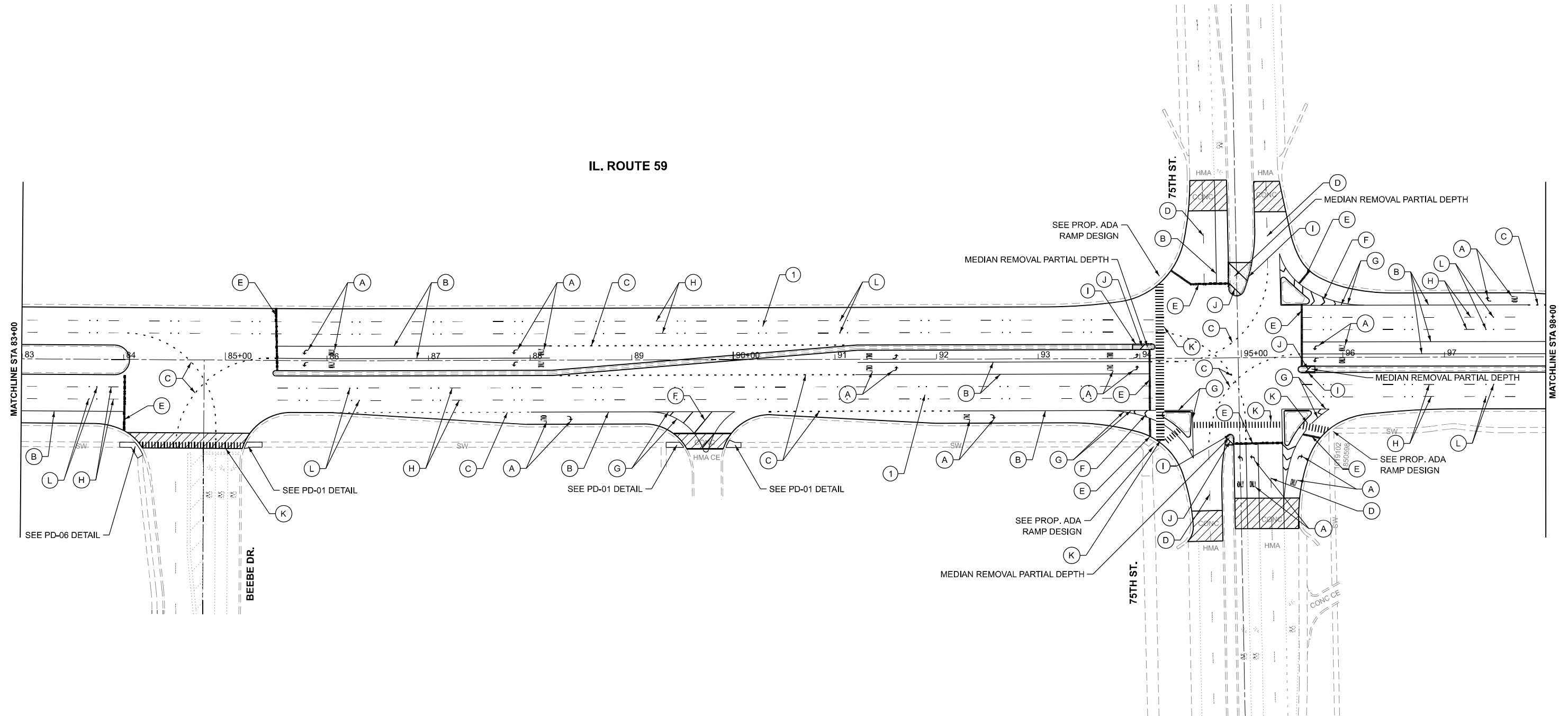
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)**

SCALE: 1" = 50' SHEET 5 OF 8 SHEETS STA. 70+00 TO STA. 83+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	16
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 59

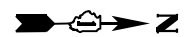


**LEGEND**

- (A) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", WHITE
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", WHITE (STOP BAR)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, WHITE
- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE
- (H) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD-LINE 6", 10' DASH-30' SKIP, WHITE GROOVING FOR RECESSED PAVEMENT MARKING 7"
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", DOUBLE YELLOW @ 11" C-C
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, YELLOW
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (CONTINENTAL CROSSWALK)
- (L) RAISED REFLECTIVE PAVEMENT MARKER (SEE STANDARD TC-11)

- (1) PROP. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"  
PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"

- PCC SURFACE REMOVAL, BUTT JOINT
- HMA SURFACE REMOVAL, BUTT JOINT
- MEDIAN REMOVAL PARTIAL DEPTH



MODEL: Default  
FILE NAME: c:\pwworking\usllms20760\180B68-shr-cy-06.dgn



USER NAME = nolan.hicks	DESIGNED - APA/NRH	REVISED - NRH 3/11/2026
PLOT SCALE = 100,000' / in.	DRAWN - APA	REVISED -
PLOT DATE = 3/11/2026	CHECKED - SPF	REVISED -
	DATE - 3/11/2026	REVISED -

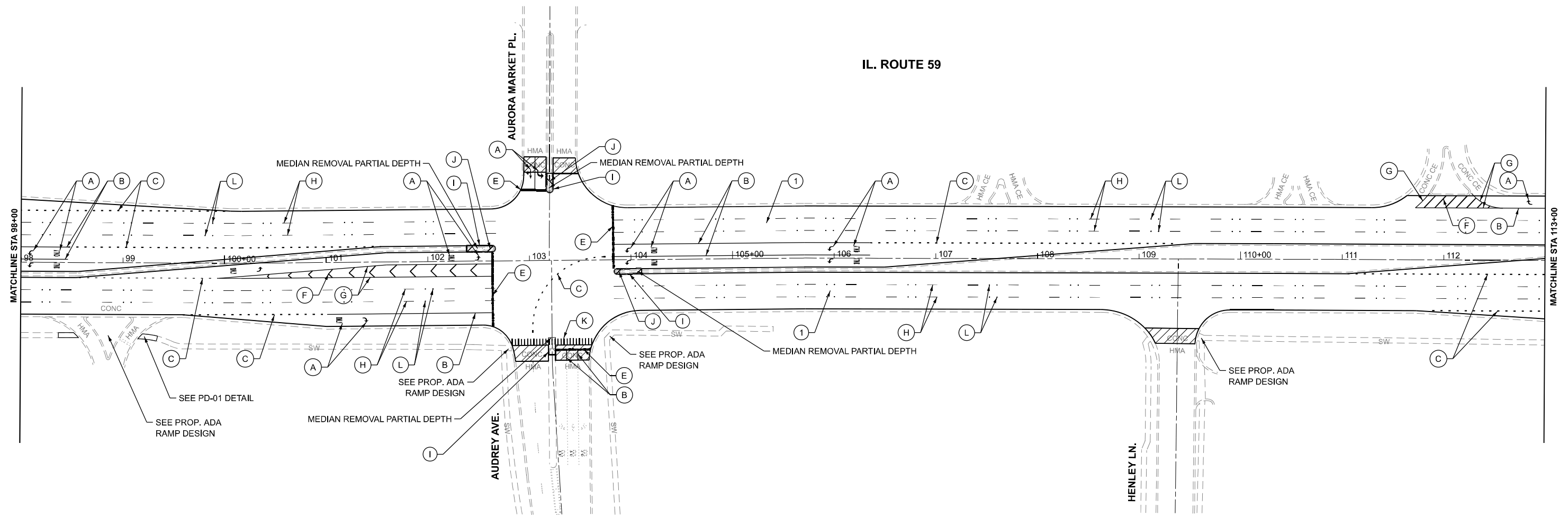
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)**

SCALE: 1" = 50'    SHEET 6 OF 8 SHEETS    STA. 83+00 TO STA. 98+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	17
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 59

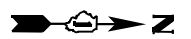


**LEGEND**

- (A) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", WHITE
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", WHITE (STOP BAR)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, WHITE
- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE
- (H) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD-LINE 6", 10' DASH-30' SKIP, WHITE GROOVING FOR RECESSED PAVEMENT MARKING 7"
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", DOUBLE YELLOW @ 11" C-C
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, YELLOW
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (CONTINENTAL CROSSWALK)
- (L) RAISED REFLECTIVE PAVEMENT MARKER (SEE STANDARD TC-11)

- (1) PROP. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"  
PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"

- PCC SURFACE REMOVAL, BUTT JOINT
- HMA SURFACE REMOVAL, BUTT JOINT
- MEDIAN REMOVAL PARTIAL DEPTH



MODEL: Default  
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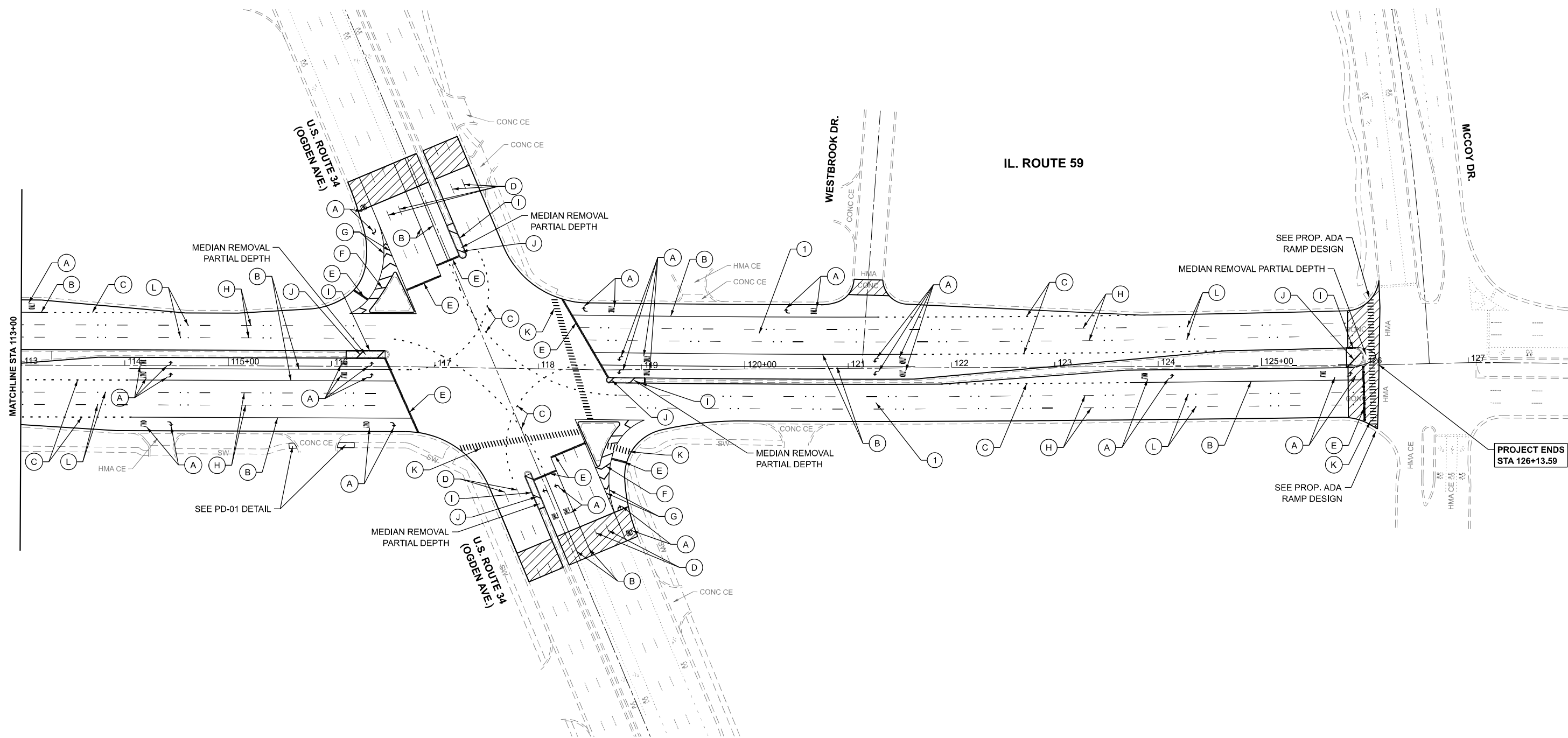
USER NAME = nolan.hicks	DESIGNED - APA/NRH	REVISED - NRH 3/11/2026
	DRAWN - APA	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - SPF	REVISED -
PLOT DATE = 3/11/2026	DATE - 3/11/2026	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)**

SCALE: 1" = 50'    SHEET 7 OF 8 SHEETS    STA. 98+00 TO STA. 113+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	18
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

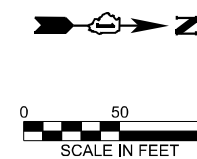


**LEGEND**

- (A) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", WHITE
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", WHITE (STOP BAR)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, WHITE
- (G) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE
- (H) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD-LINE 6", 10' DASH-30' SKIP, WHITE GROOVING FOR RECESSED PAVEMENT MARKING 7"
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", DOUBLE YELLOW @ 11" C-C
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, YELLOW
- (K) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (CONTINENTAL CROSSWALK)
- (L) RAISED REFLECTIVE PAVEMENT MARKER (SEE STANDARD TC-11)

- ① PROP. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"  
PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"

- PCC SURFACE REMOVAL, BUTT JOINT
- HMA SURFACE REMOVAL, BUTT JOINT
- MEDIAN REMOVAL PARTIAL DEPTH



MODEL: Default  
 FILE NAME: c:\pwworking\usllms207680\180B68-shr-cy-08.dgn



USER NAME = nolan.hicks	DESIGNED - APA/NRH	REVISED - NRH 3/11/2026
	DRAWN - APA	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - SPF	REVISED -
PLOT DATE = 3/11/2026	DATE - 3/11/2026	REVISED -

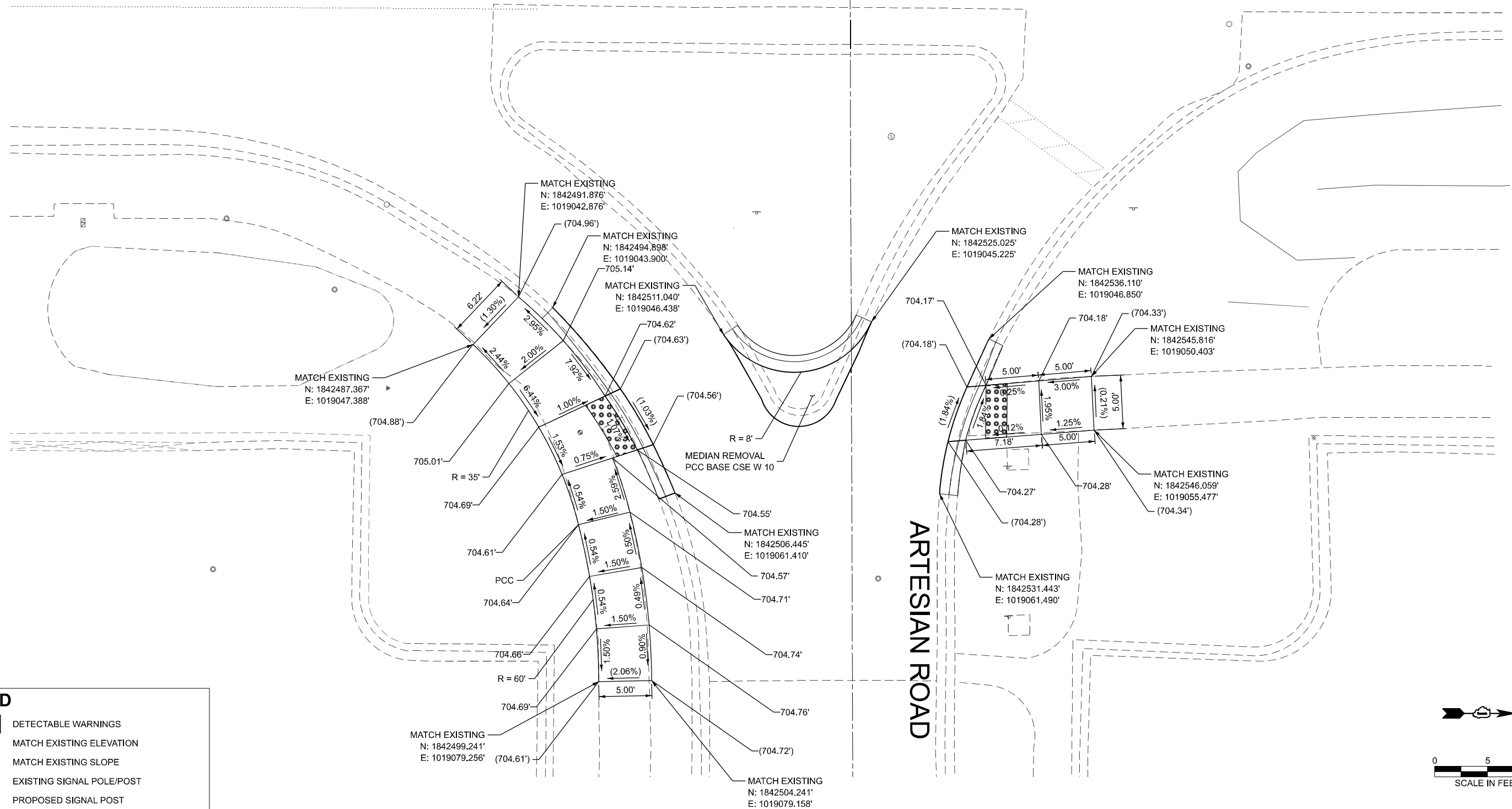
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN  
ILLINOIS ROUTE 59 (FROM MCCOY DR TO ARTESIAN RD)**

SCALE: 1" = 50'    SHEET 8 OF 8 SHEETS    STA. 113+00 TO STA. 128+00







F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 19
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

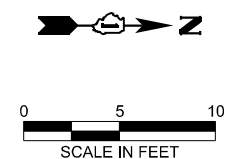
# ILLINOIS ROUTE 59



ARTESIAN ROAD

**LEGEND**

-  DETECTABLE WARNINGS
-  (XXX.XX') MATCH EXISTING ELEVATION
-  (X.XX%) MATCH EXISTING SLOPE
-  EXISTING SIGNAL POLE/POST
-  PROPOSED SIGNAL POST
-  ACCESSIBLE PEDESTRIAN PUSH BUTTON



MODEL: Default  
FILE NAME: c:\pwworking\jussidms207660\1808688-shr-ada-01.dgn



USER NAME = dominguez1	DESIGNED - KWM	REVISED -
DRAWN - KWM	REVISED -	
PLOT SCALE = 10,000' / in.	CHECKED - SPF	REVISED -
PLOT DATE = 1/30/2026	DATE - 1/30/2026	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

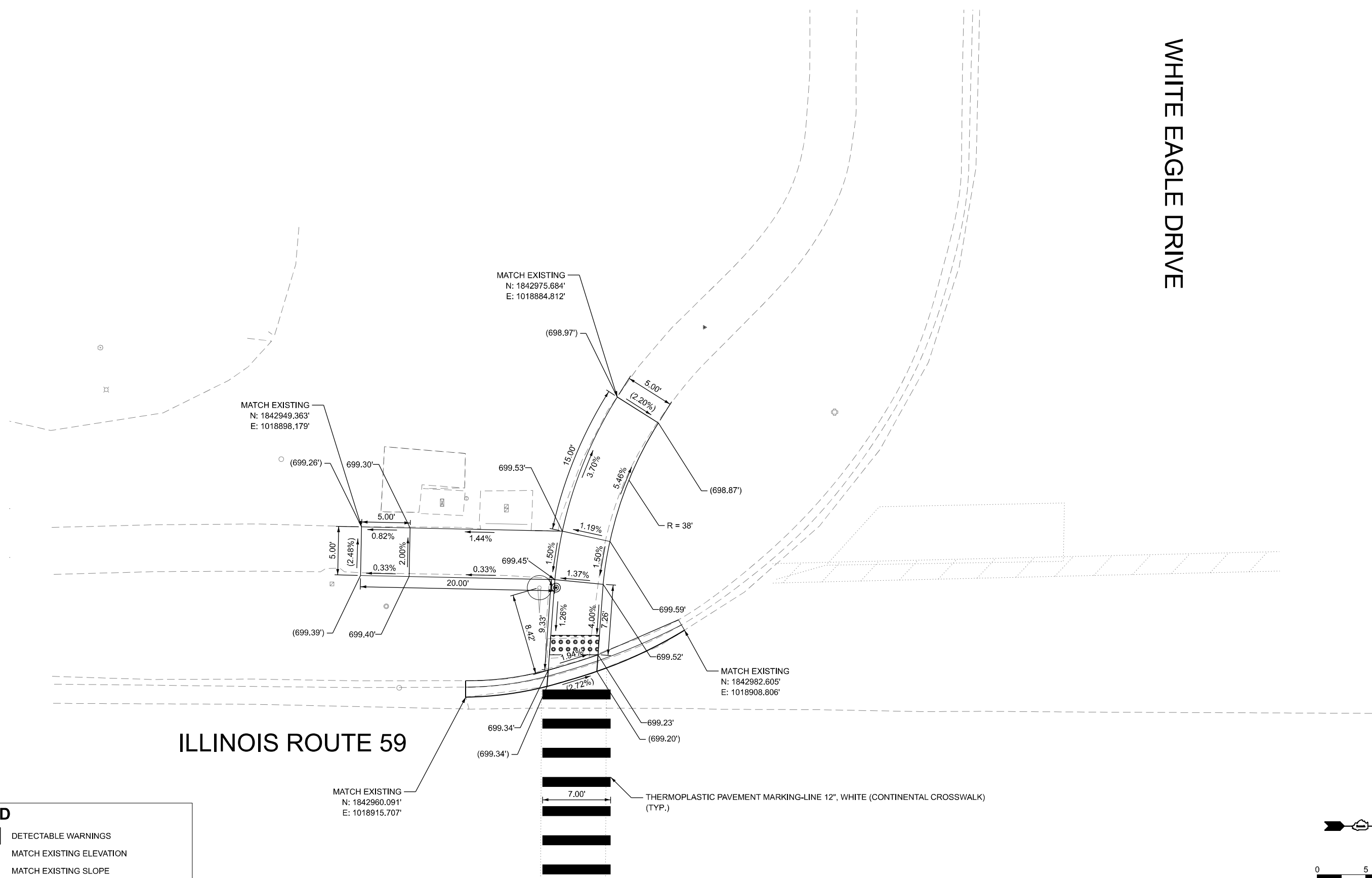
**ADA RAMP DETAILS (IL 59 & ARTESIAN RD)  
SE & NE CORNERS**

SCALE: 1" = 5'    SHEET 1 OF 13 SHEETS    STA.    TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 20
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				









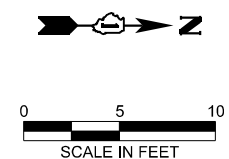
WHITE EAGLE DRIVE



ILLINOIS ROUTE 59

**LEGEND**

-  DETECTABLE WARNINGS
-  (XXX.XX') MATCH EXISTING ELEVATION
-  (X.XX%) MATCH EXISTING SLOPE
-  EXISTING SIGNAL POLE/POST
-  PROPOSED SIGNAL POST
-  ACCESSIBLE PEDESTRIAN PUSH BUTTON



MODEL: Default  
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USER NAME = nolan.hicks	DESIGNED - KWM	REVISED - NRH 3/11/2026
DRAWN - KWM	REVISED -	
PLOT SCALE = 10,000' / in.	CHECKED - SPF	REVISED -
PLOT DATE = 3/11/2026	DATE - 3/11/2026	REVISED -

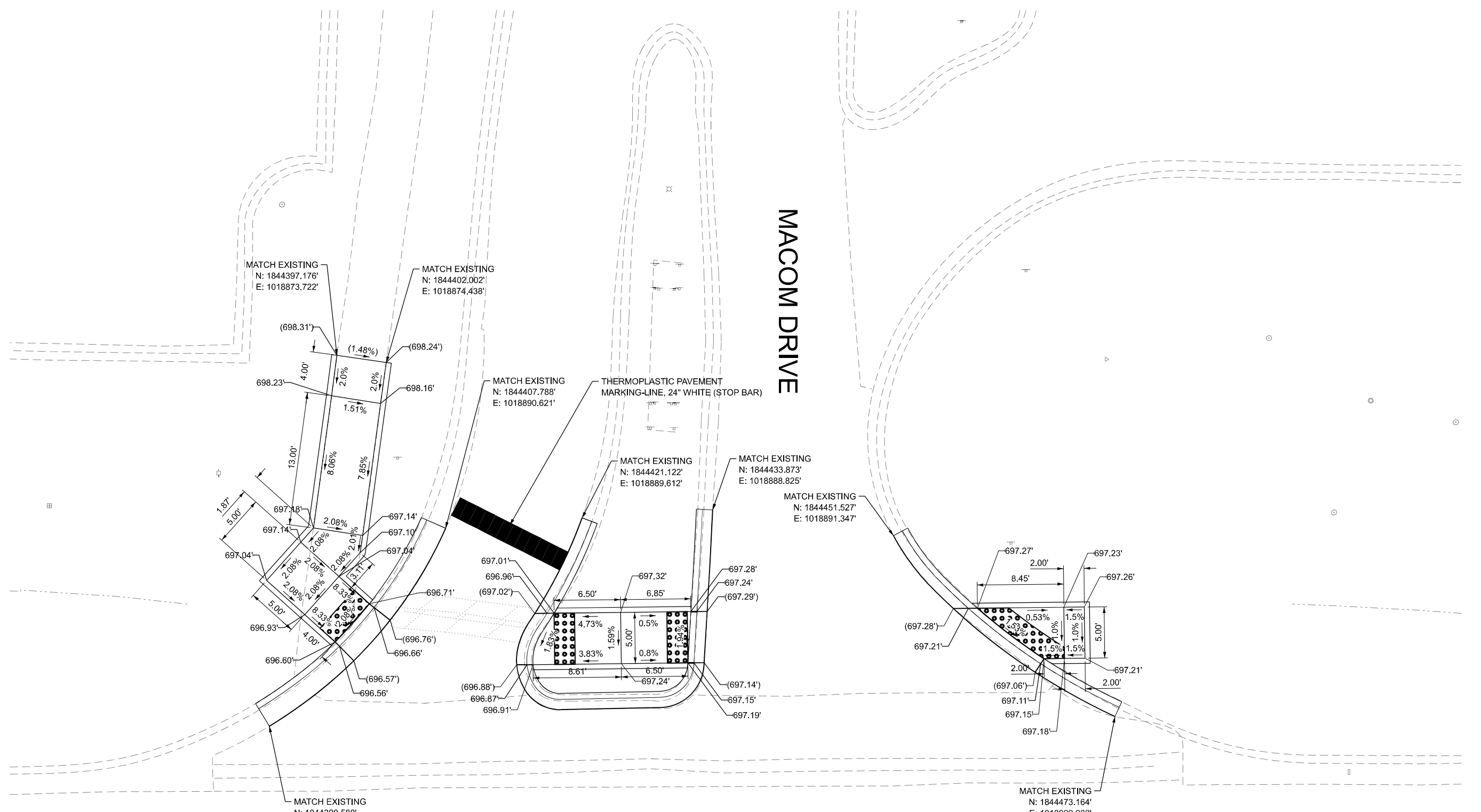
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS (IL 59 & WHITE EAGLE DR)  
SW CORNER

SCALE: 1" = 5' SHEET 3 OF 13 SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 22
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				



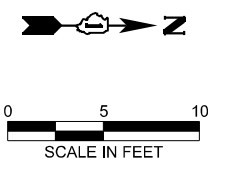


MACOM DRIVE

ILLINOIS ROUTE 59

**LEGEND**

	DETECTABLE WARNINGS
(XXX.XX')	MATCH EXISTING ELEVATION
(X.XX%)	MATCH EXISTING SLOPE
	EXISTING SIGNAL POLE/POST
	PROPOSED SIGNAL POST
	ACCESSIBLE PEDESTRIAN PUSH BUTTON



MODEL: Default  
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USER NAME = dominguez1	DESIGNED - APA	REVISED -
PLOT SCALE = 10,000' / in.	DRAWN - APA	REVISED -
PLOT DATE = 1/30/2026	CHECKED - SPF	REVISED -
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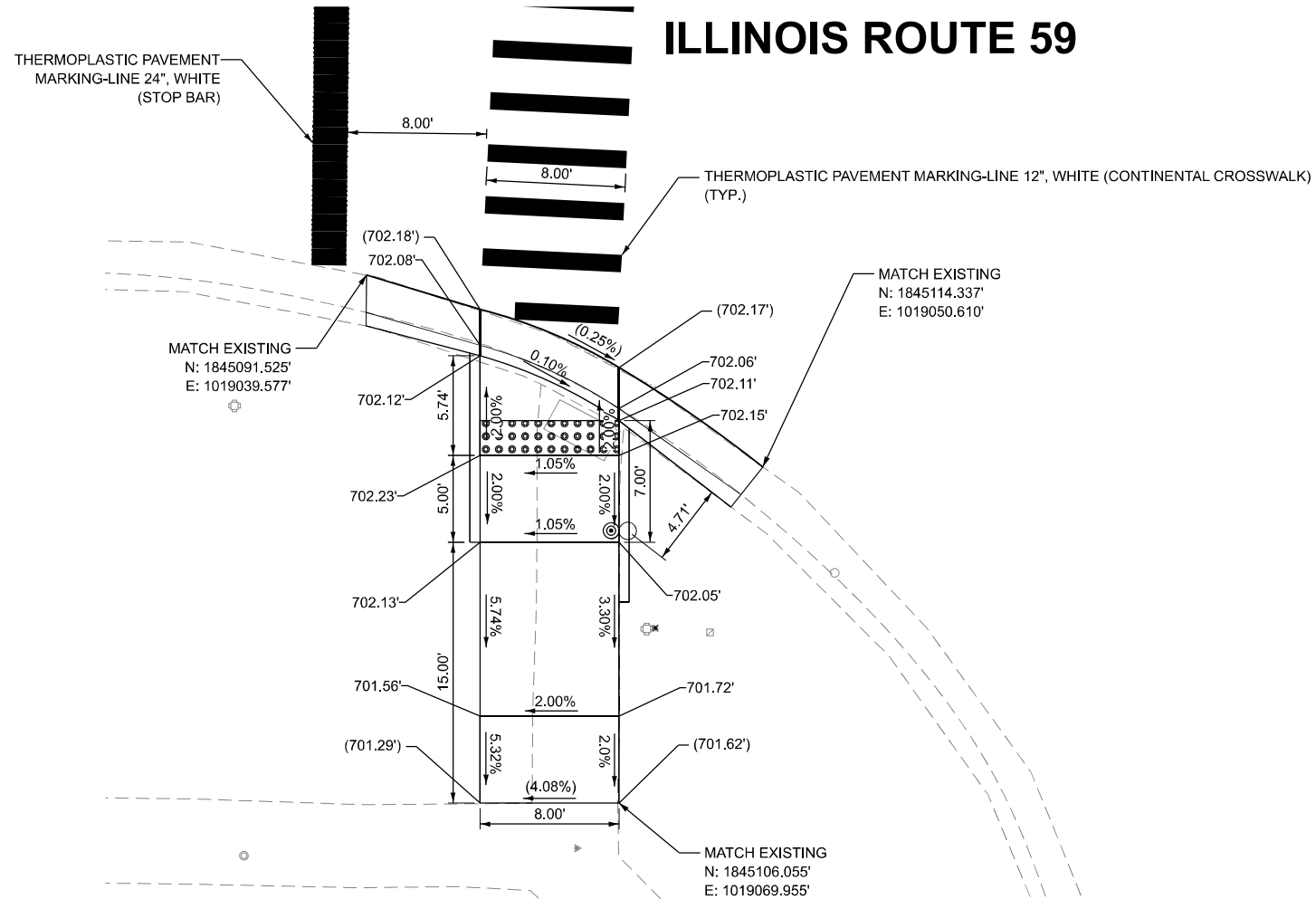
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS (IL 59 & MACOM DR)			
SW & NW CORNERS			
SCALE: 1" = 5'	SHEET 5	OF 13 SHEETS	STA. TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 24
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

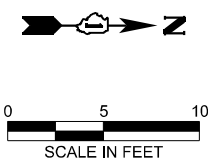
# ILLINOIS ROUTE 59

# 83RD STREET



**LEGEND**

- DETECTABLE WARNINGS
- (XXX.XX') MATCH EXISTING ELEVATION
- (X.XX%) MATCH EXISTING SLOPE
- EXISTING SIGNAL POLE/POST
- PROPOSED SIGNAL POST
- ACCESSIBLE PEDESTRIAN PUSH BUTTON



MODEL: Default  
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USER NAME = nolan.hicks	DESIGNED - KWM	REVISED - NRH 3/11/2026
PLOT SCALE = 10,000' / in.	DRAWN - KWM	REVISED -
PLOT DATE = 3/11/2026	CHECKED - SPF	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

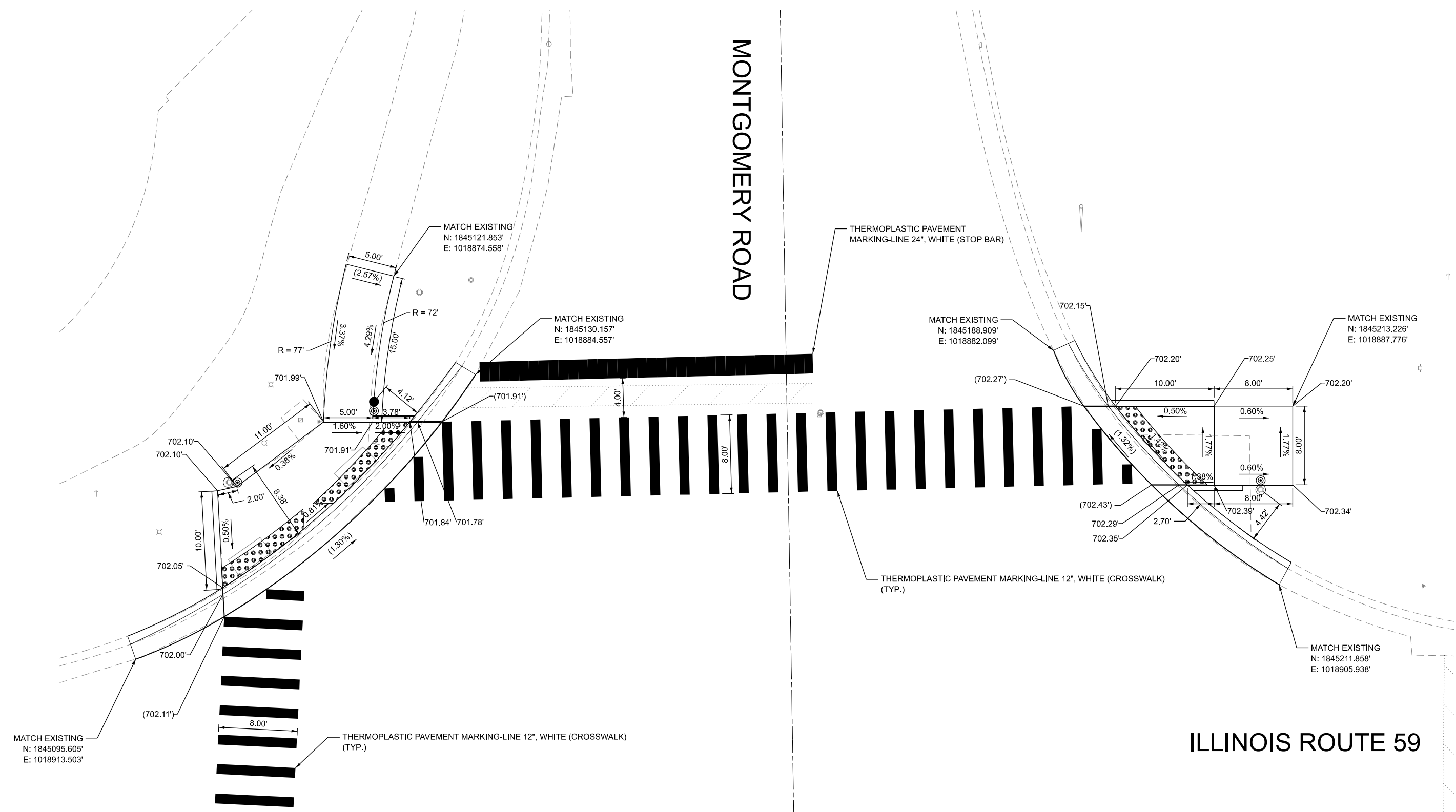
**ADA RAMP DETAILS (IL 59 & 83RD ST / MONTGOMERY RD)**  
**SE CORNER**

SCALE: 1" = 5'    SHEET 6 OF 13 SHEETS    STA.    TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 25
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

MONTGOMERY ROAD

ILLINOIS ROUTE 59



**LEGEND**

- DETECTABLE WARNINGS
- (XXX.XX') MATCH EXISTING ELEVATION
- (X.XX%) MATCH EXISTING SLOPE
- EXISTING SIGNAL POLE/POST
- PROPOSED SIGNAL POST
- ACCESSIBLE PEDESTRIAN PUSH BUTTON

MODEL: Default  
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USER NAME = nolan.hicks	DESIGNED - KWM	REVISED - NRH 3/11/2026
	DRAWN - KWM	REVISED -
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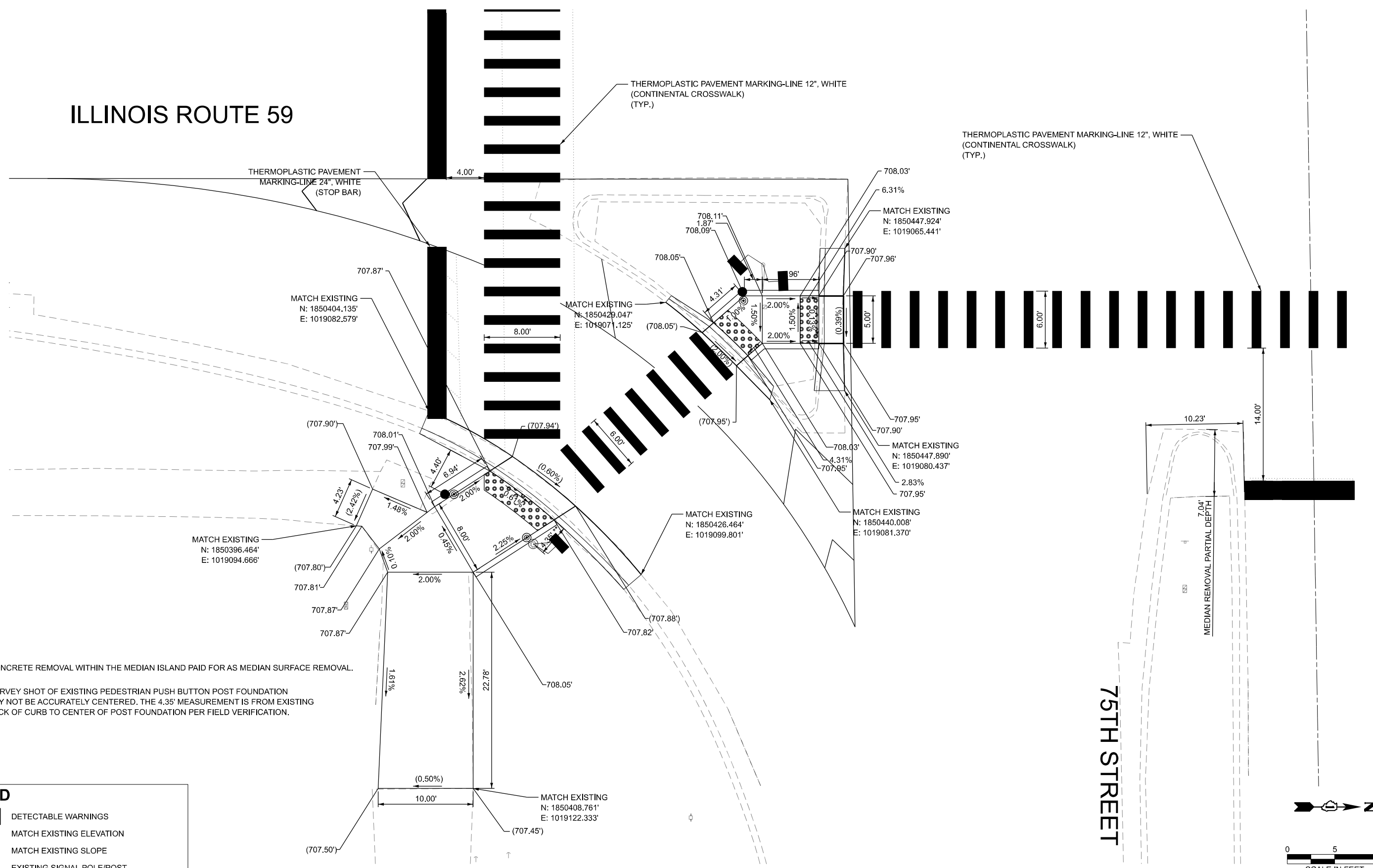
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS (IL 59 & 83RD ST / MONTGOMERY RD)  
SW & NW CORNERS**

SCALE: 1" = 5'    SHEET 7 OF 13 SHEETS    STA.    TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 26
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

# ILLINOIS ROUTE 59



NOTE: CONCRETE REMOVAL WITHIN THE MEDIAN ISLAND PAID FOR AS MEDIAN SURFACE REMOVAL.

\*\*NOTE: SURVEY SHOT OF EXISTING PEDESTRIAN PUSH BUTTON POST FOUNDATION MAY NOT BE ACCURATELY CENTERED. THE 4.35' MEASUREMENT IS FROM EXISTING BACK OF CURB TO CENTER OF POST FOUNDATION PER FIELD VERIFICATION.

LEGEND	
	DETECTABLE WARNINGS
(XXX.XX')	MATCH EXISTING ELEVATION
(X.XX%)	MATCH EXISTING SLOPE
	EXISTING SIGNAL POLE/POST
	PROPOSED SIGNAL POST
	ACCESSIBLE PEDESTRIAN PUSH BUTTON

MODEL: Default  
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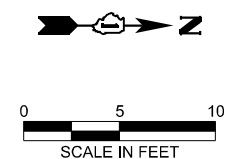
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PLOT SCALE = 10,000' / in.	DRAWN - KWM	REVISED -
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	DATE - 3/11/2026	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

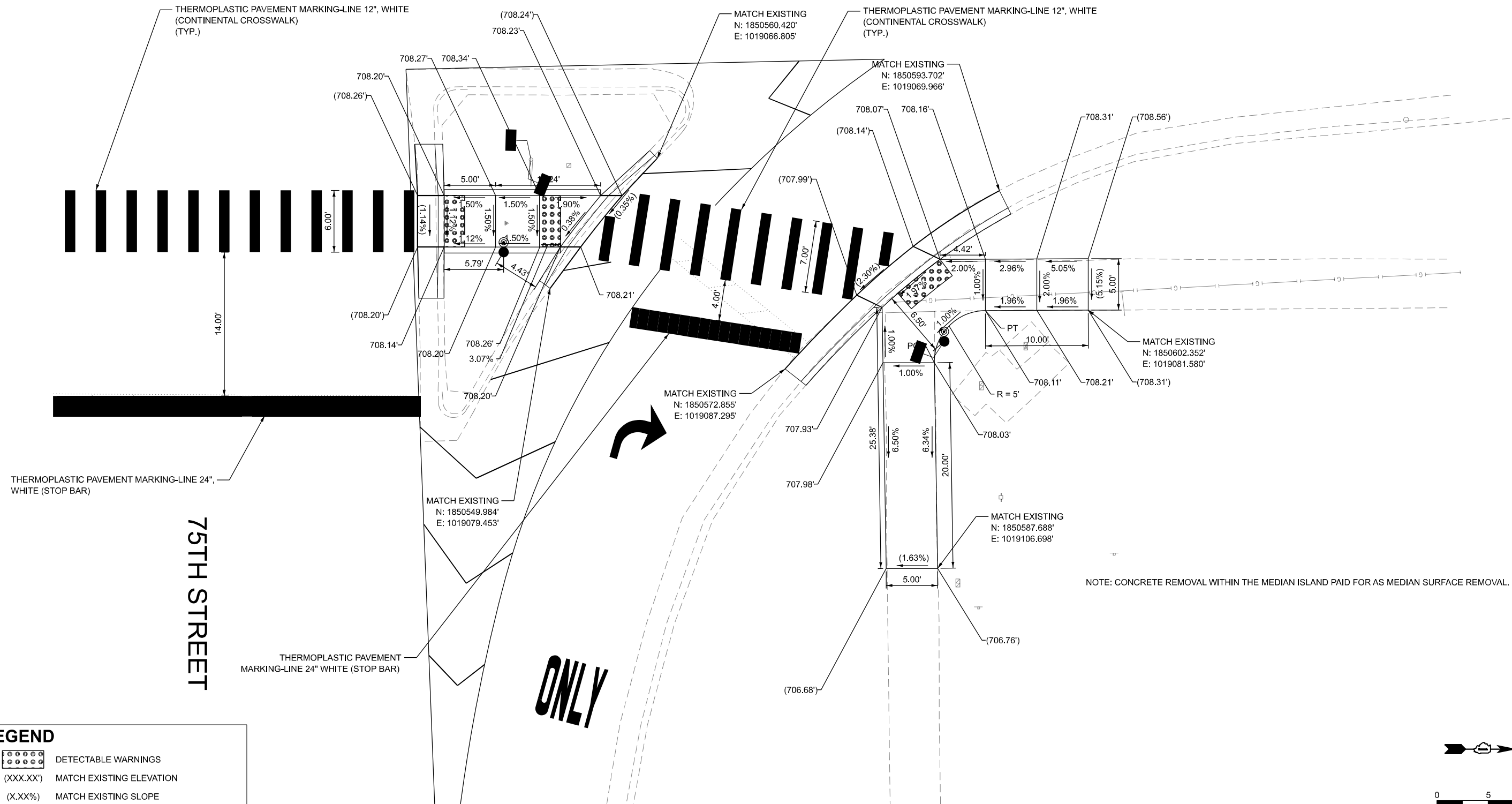
ADA RAMP DETAILS (IL 59 & 75TH ST)  
SE CORNER

SCALE: 1" = 5' SHEET 8 OF 13 SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 27
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				



# ILLINOIS ROUTE 59



**LEGEND**

	DETECTABLE WARNINGS
(XXX.XX')	MATCH EXISTING ELEVATION
(X.XX%)	MATCH EXISTING SLOPE
	EXISTING SIGNAL POLE/POST
	PROPOSED SIGNAL POST
	ACCESSIBLE PEDESTRIAN PUSH BUTTON



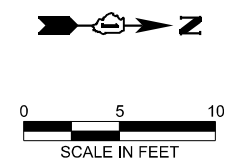
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PLOT SCALE = 10,000' / in.	DRAWN - KWM	REVISED -
PLOT DATE = 3/11/2026	CHECKED - SPF	REVISED -
	DATE - 3/11/2026	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS (IL 59 & 75TH ST)  
NE CORNER

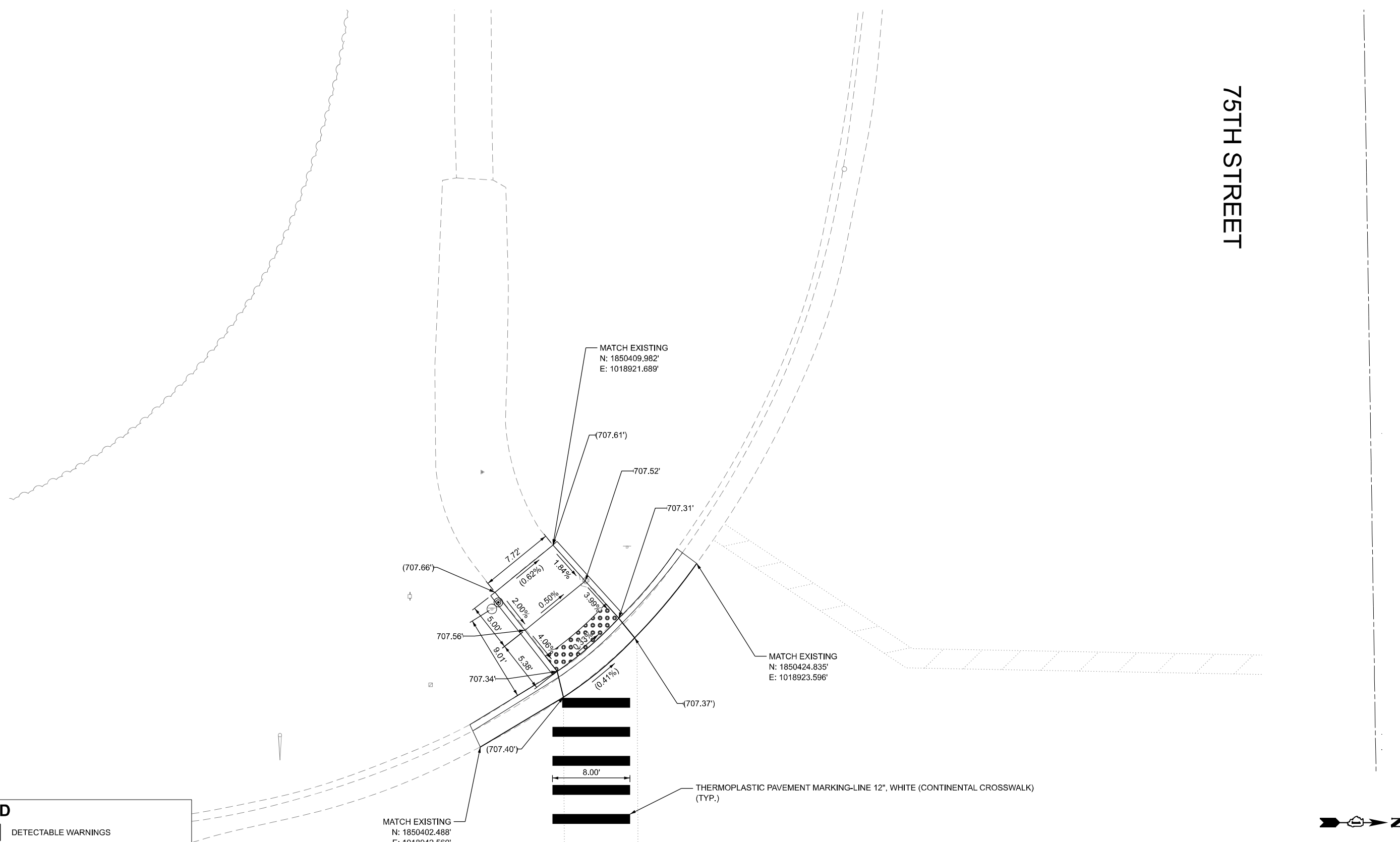
SCALE: 1" = 5' SHEET 9 OF 13 SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 28
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
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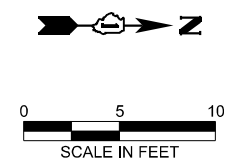
75TH STREET



ILLINOIS ROUTE 59

**LEGEND**

- DETECTABLE WARNINGS
- (XXX.XX') MATCH EXISTING ELEVATION
- (X.XX%) MATCH EXISTING SLOPE
- EXISTING SIGNAL POLE/POST
- PROPOSED SIGNAL POST
- ACCESSIBLE PEDESTRIAN PUSH BUTTON



MODEL: Default  
 FILE NAME: c:\pwworking\usidms207650\1808686-shr-ada-08.dgn



USER NAME = nolan.hicks	DESIGNED - KWM	REVISED - NRH 3/11/2026
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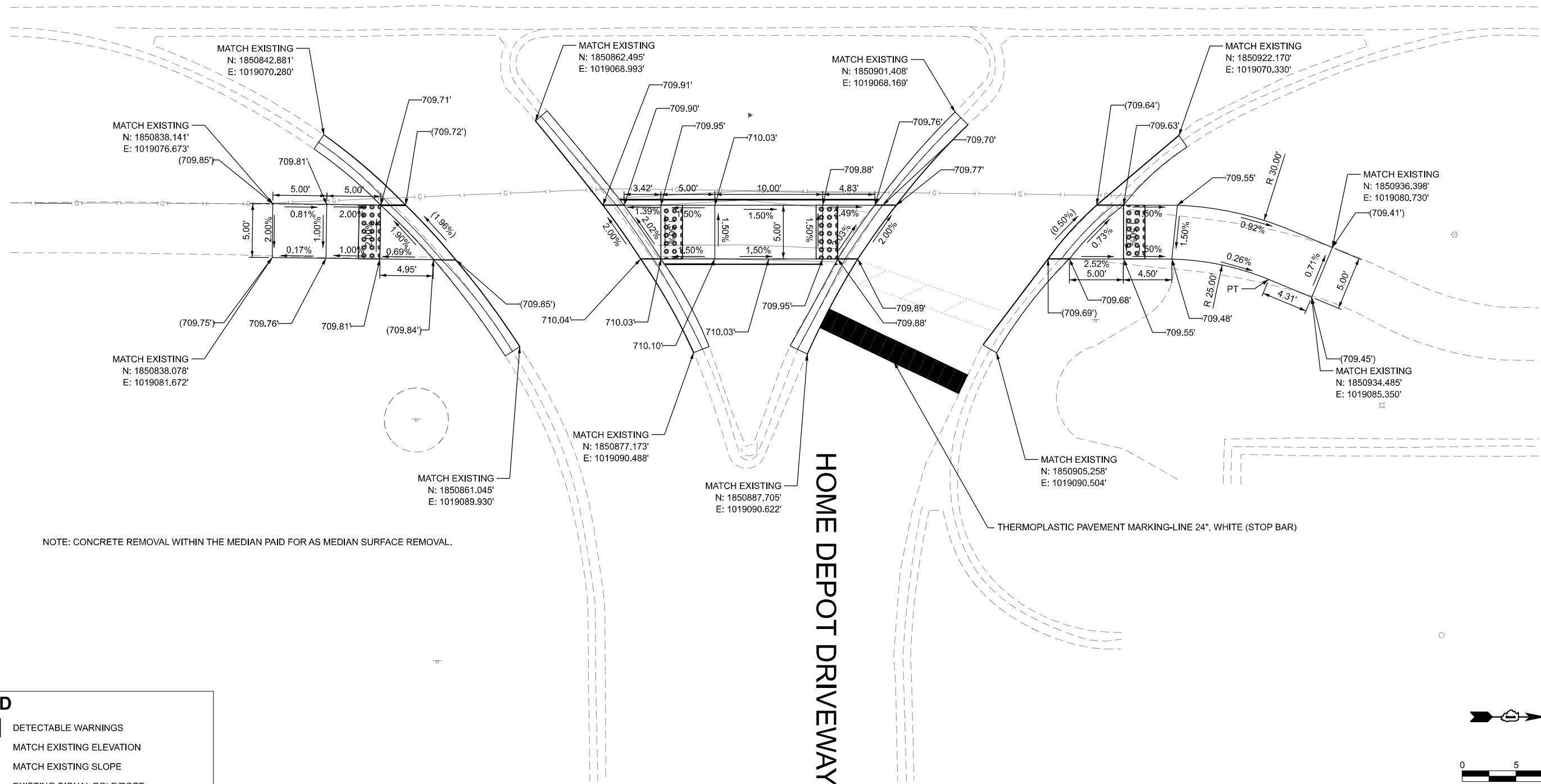
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS (IL 59 & 75TH ST)  
SW CORNER

SCALE: 1" = 5' SHEET 10 OF 13 SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 29
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

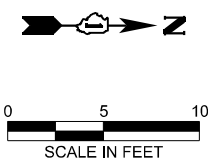
# ILLINOIS ROUTE 59



HOME DEPOT DRIVEWAY

**LEGEND**

	DETECTABLE WARNINGS
(XXX.XX')	MATCH EXISTING ELEVATION
(X.XX%)	MATCH EXISTING SLOPE
	EXISTING SIGNAL POLE/POST
	PROPOSED SIGNAL POST
	ACCESSIBLE PEDESTRIAN PUSH BUTTON



MODEL: Default  
FILE NAME: c:\pwworking\usildms207650\1808688-shr-ada-10.dgn



USER NAME = nolan.hicks	DESIGNED - KWM	REVISED - NRH 3/11/2026
PLOT SCALE = 10,000' / in.	DRAWN - KWM	REVISED -
PLOT DATE = 3/11/2026	CHECKED - SPF	REVISED -
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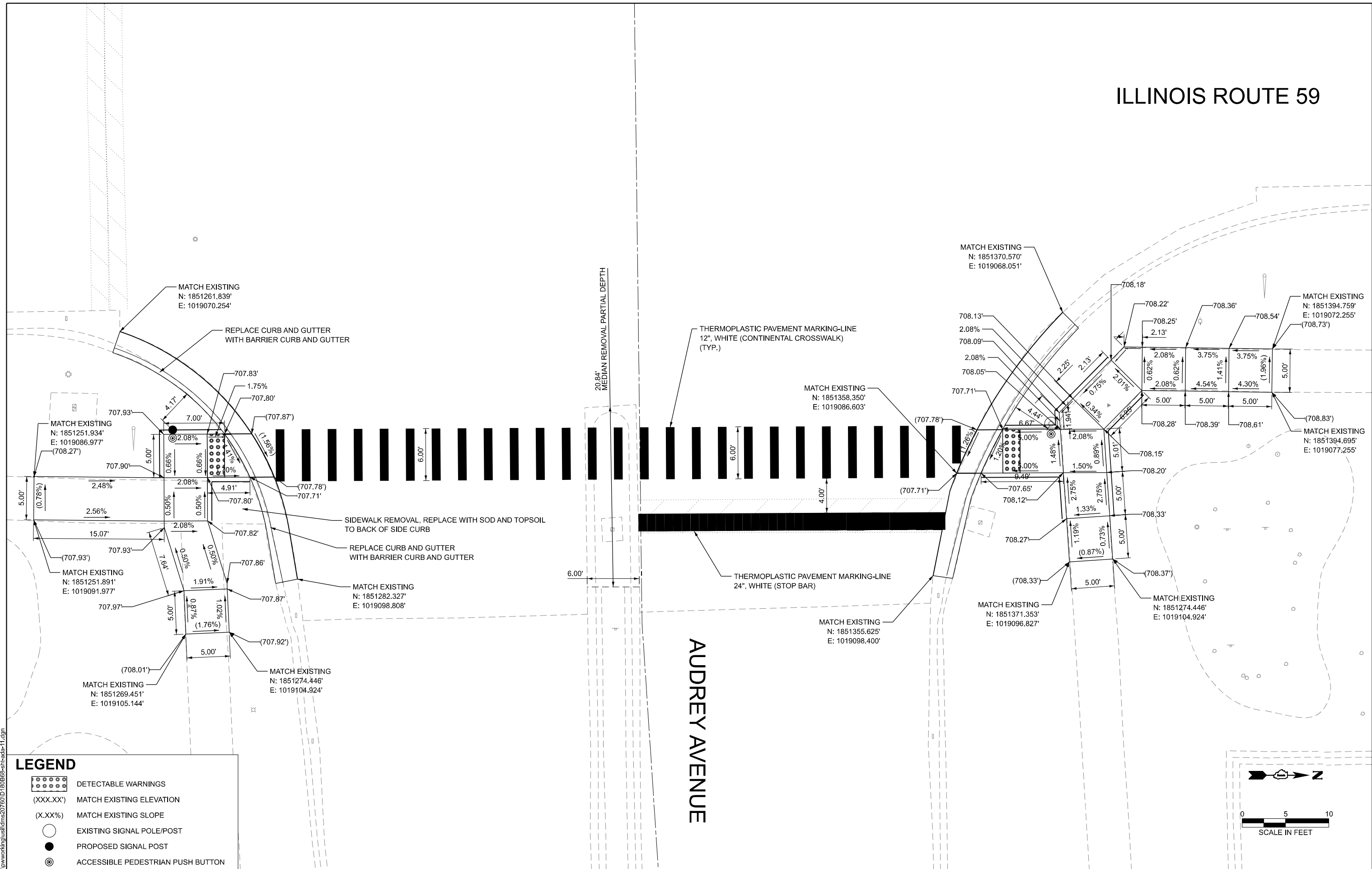
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS (IL 59 & HOME DEPOT DRIVEWAY)			
SE AND NE CORNERS			
SCALE: 1" = 5'	SHEET 11	OF 13 SHEETS	STA. TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 30
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

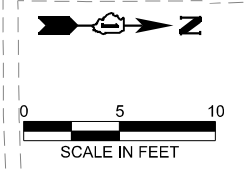
# ILLINOIS ROUTE 59

## AUDREY AVENUE



**LEGEND**

- DETECTABLE WARNINGS
- (XXX.XX') MATCH EXISTING ELEVATION
- (X.XX%) MATCH EXISTING SLOPE
- EXISTING SIGNAL POLE/POST
- PROPOSED SIGNAL POST
- ACCESSIBLE PEDESTRIAN PUSH BUTTON



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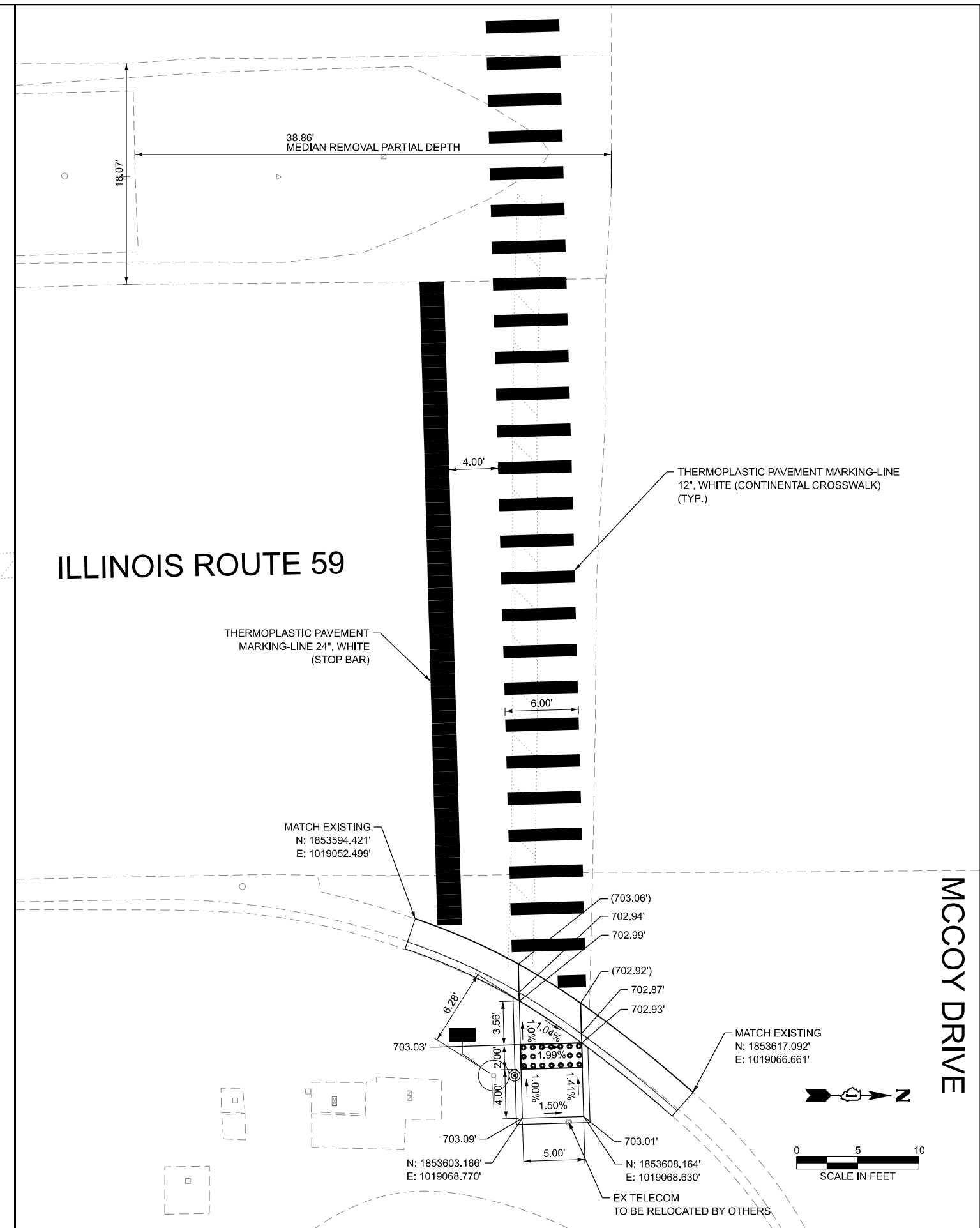
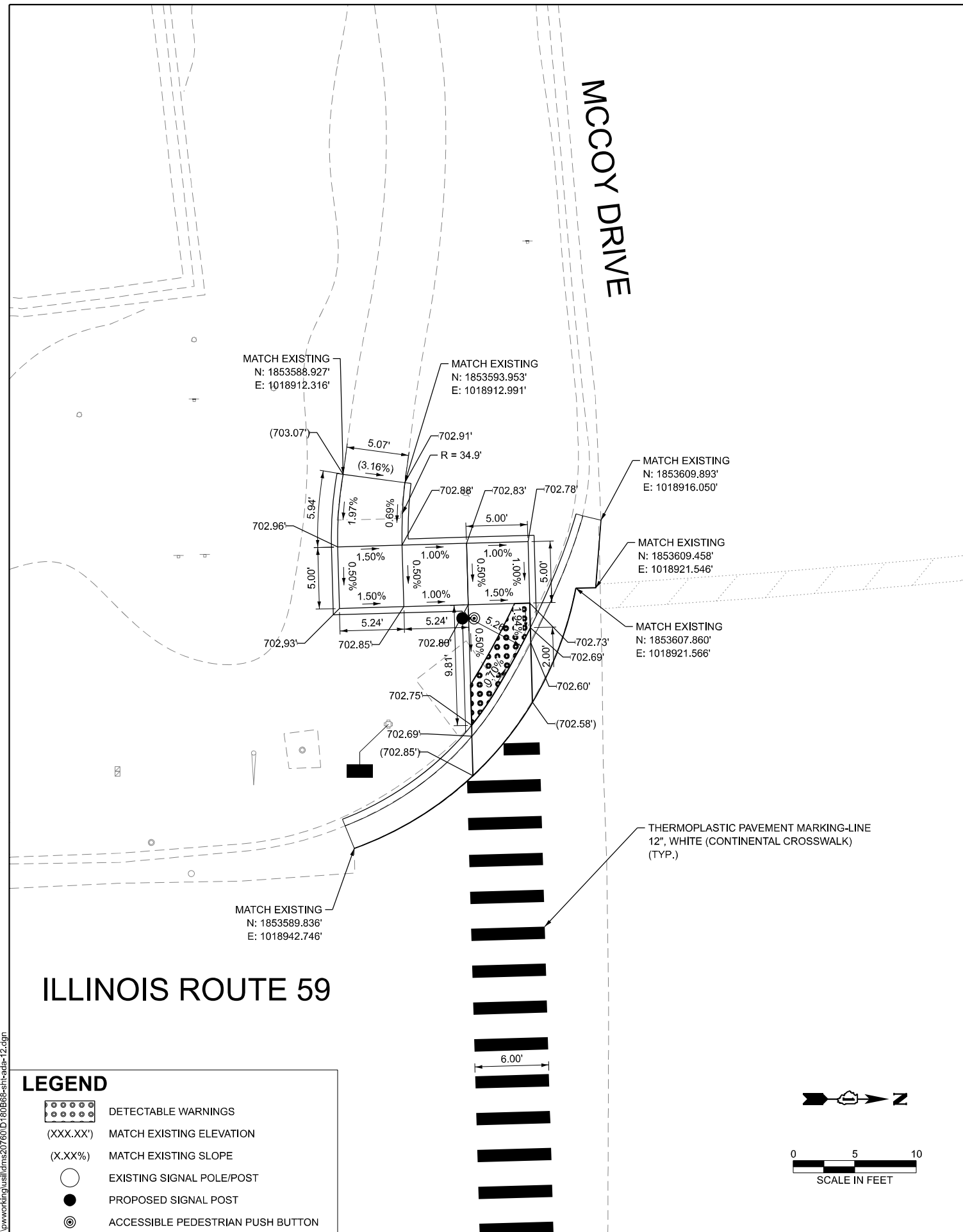
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DRAWN - NRH	REVISED -
CHECKED - SPF	REVISED -
DATE - 3/11/2026	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS (IL 59 & AUDREY AVE)  
 SE AND NE CORNERS

SCALE: 1" = 5'    SHEET 12 OF 13 SHEETS    STA.    TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 31
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- DETECTABLE WARNINGS
- (XXX.XX') MATCH EXISTING ELEVATION
- (X.XX%) MATCH EXISTING SLOPE
- EXISTING SIGNAL POLE/POST
- PROPOSED SIGNAL POST
- ACCESSIBLE PEDESTRIAN PUSH BUTTON



USER NAME = nolan.hicks	DESIGNED - APA	REVISED - NRH 3/11/2026
PLOT SCALE = 10,000' / in.	DRAWN - APA	REVISED -
PLOT DATE = 3/11/2026	CHECKED - SPF	REVISED -
	DATE - 3/11/2026	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS (IL 59 & MCCOY DR)  
SW AND SE CORNERS**

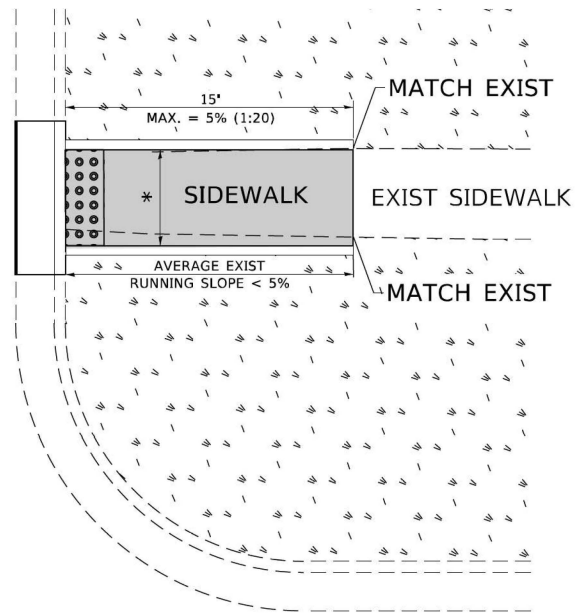
SCALE: 1" = 5'    SHEET 13 OF 13 SHEETS    STA.    TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 32
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

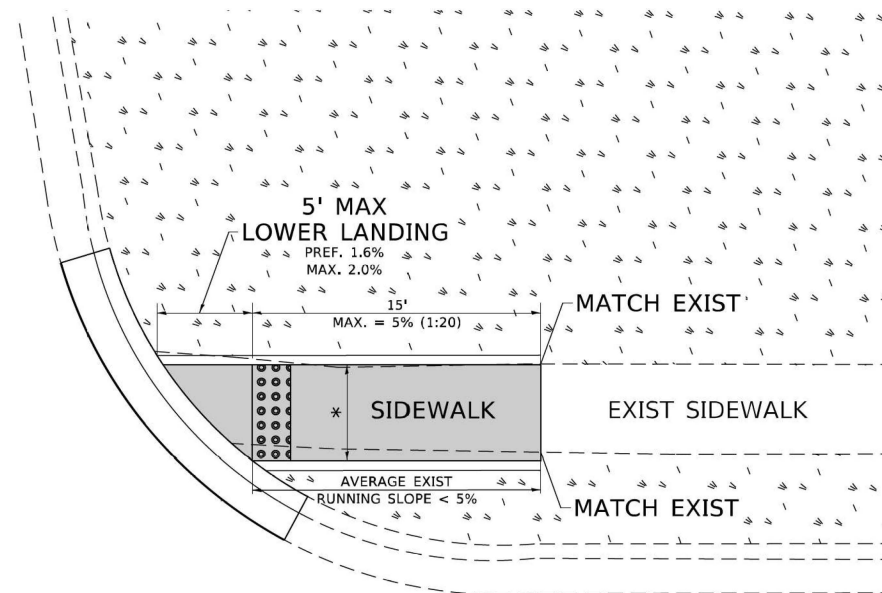
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# ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

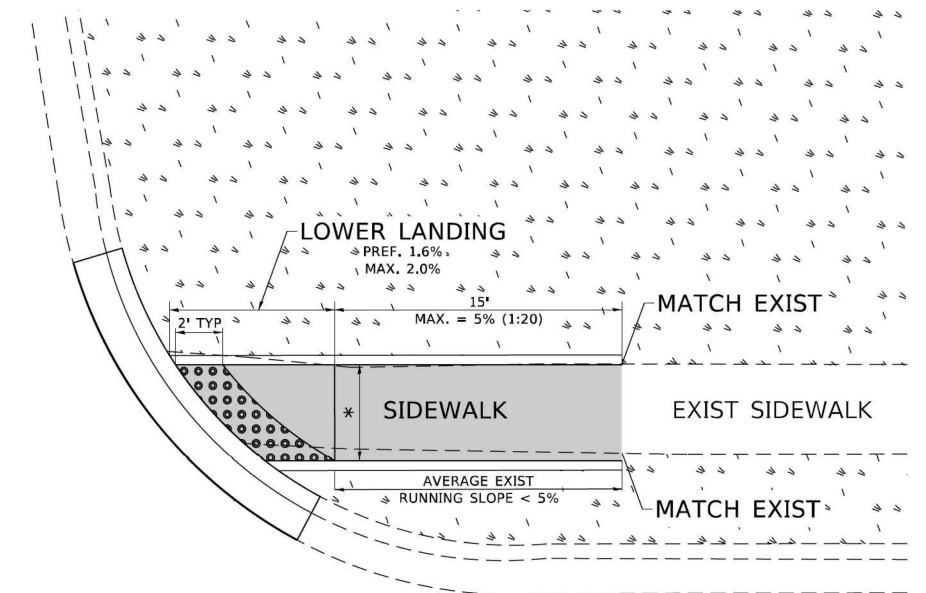
**PD-01A**




**PD-01B**



**PD-01C**



**LEGEND**

-  PROPOSED SIDE CURB
-  EXIST. GRASS
-  PROPOSED SIDEWALK
-  DETECTABLE WARNINGS

**CONSTRUCTION NOTES:**

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- \* MATCH EXISTING SIDEWALK WIDTH

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

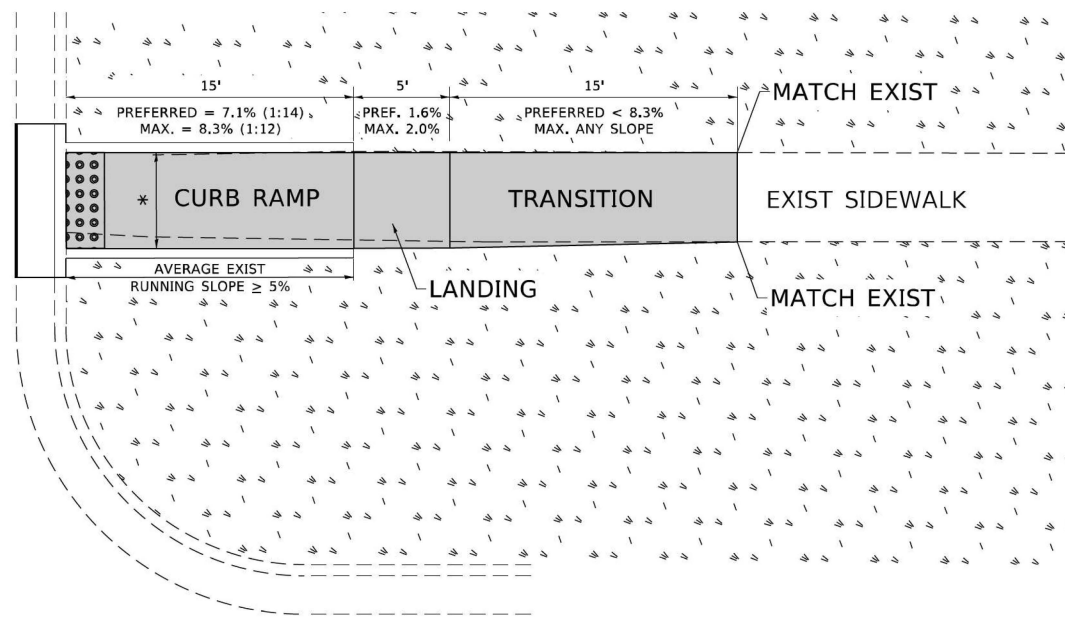
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS  
(PD-01)**

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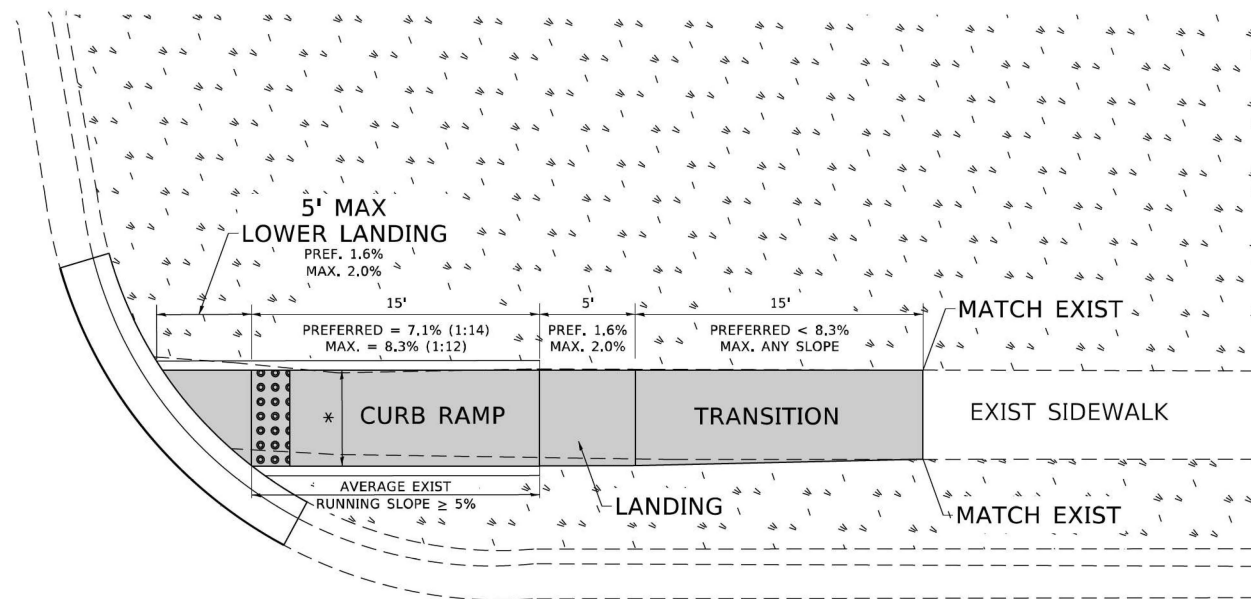
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	33
PD-01		CONTRACT NO. 80B68		
ILLINOIS FED. AID PROJECT				

# ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR GREATER RUN. SLOPE

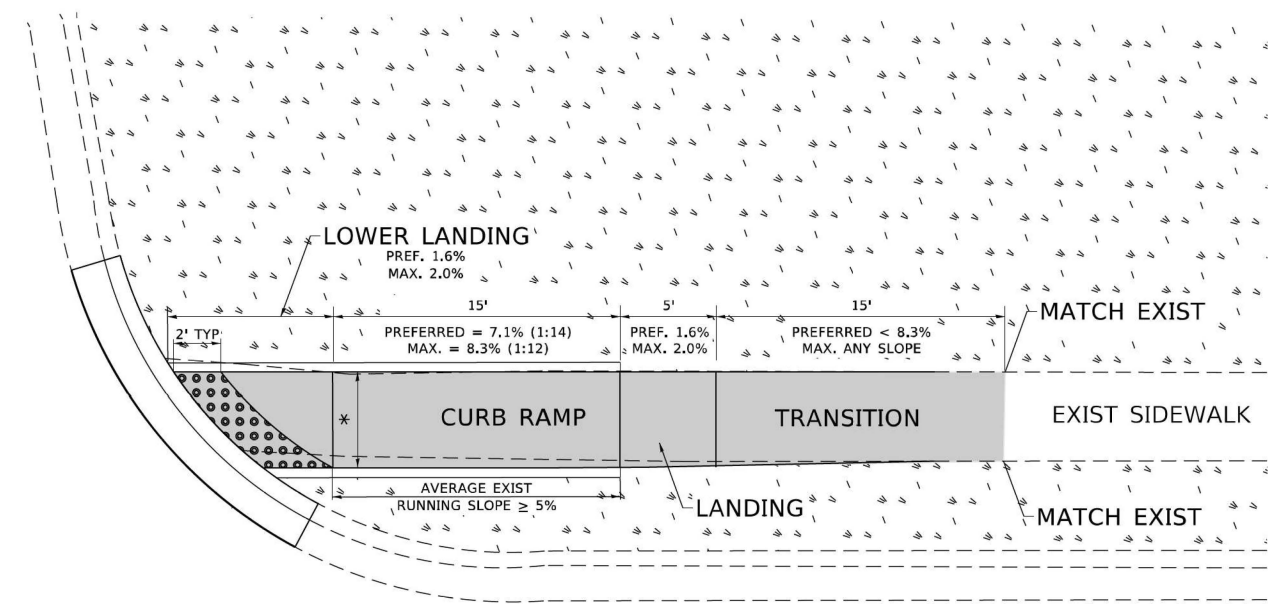
**PD-02A**



**PD-02B**



**PD-02C**



**LEGEND**

- EXIST. GRASS
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

**CONSTRUCTION NOTES:**

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:62), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- \* MATCH EXISTING SIDEWALK WIDTH

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PLOT DATE = 1/30/2026	CHECKED -	REVISED -
	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

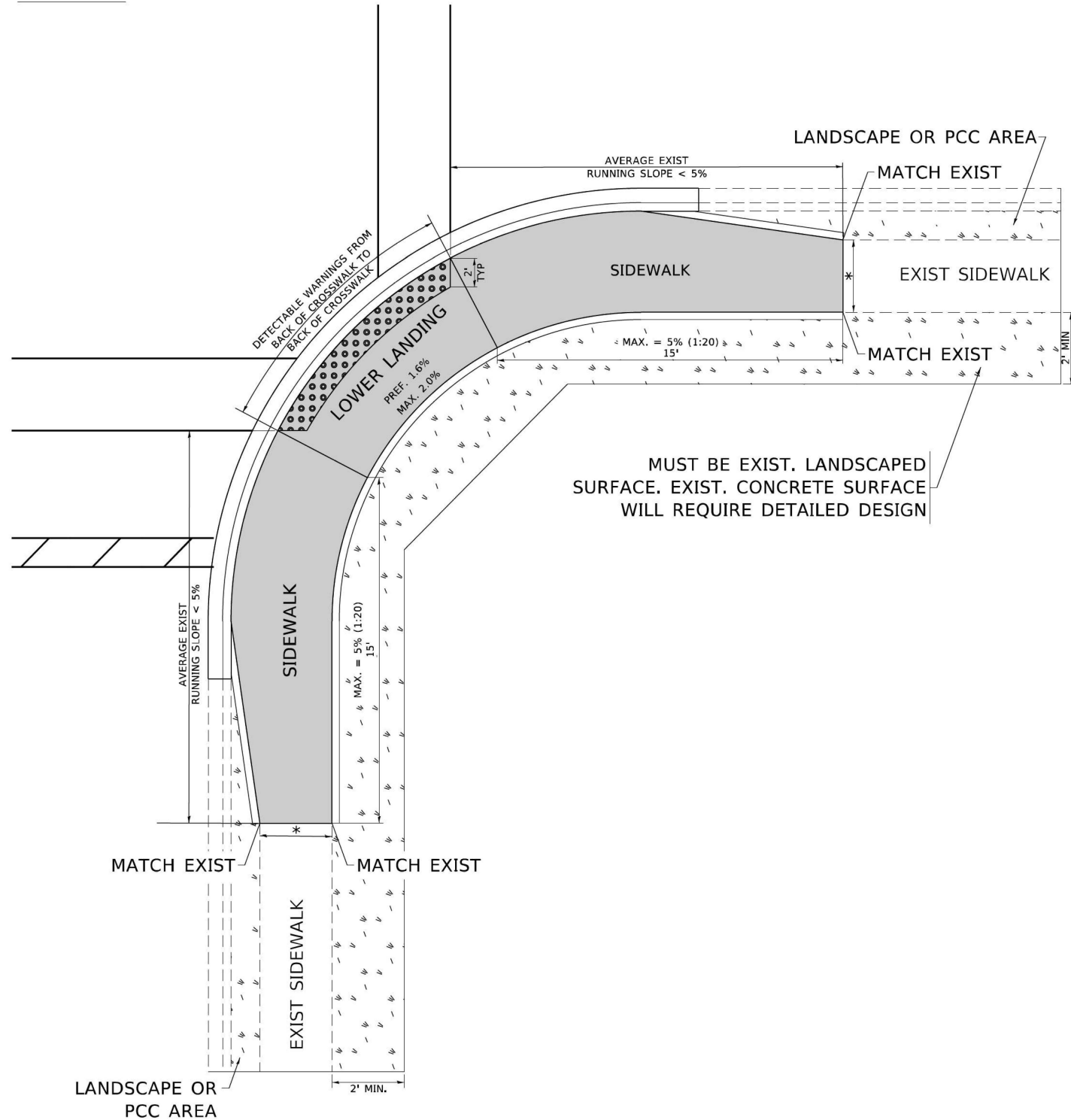
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS  
(PD-02)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

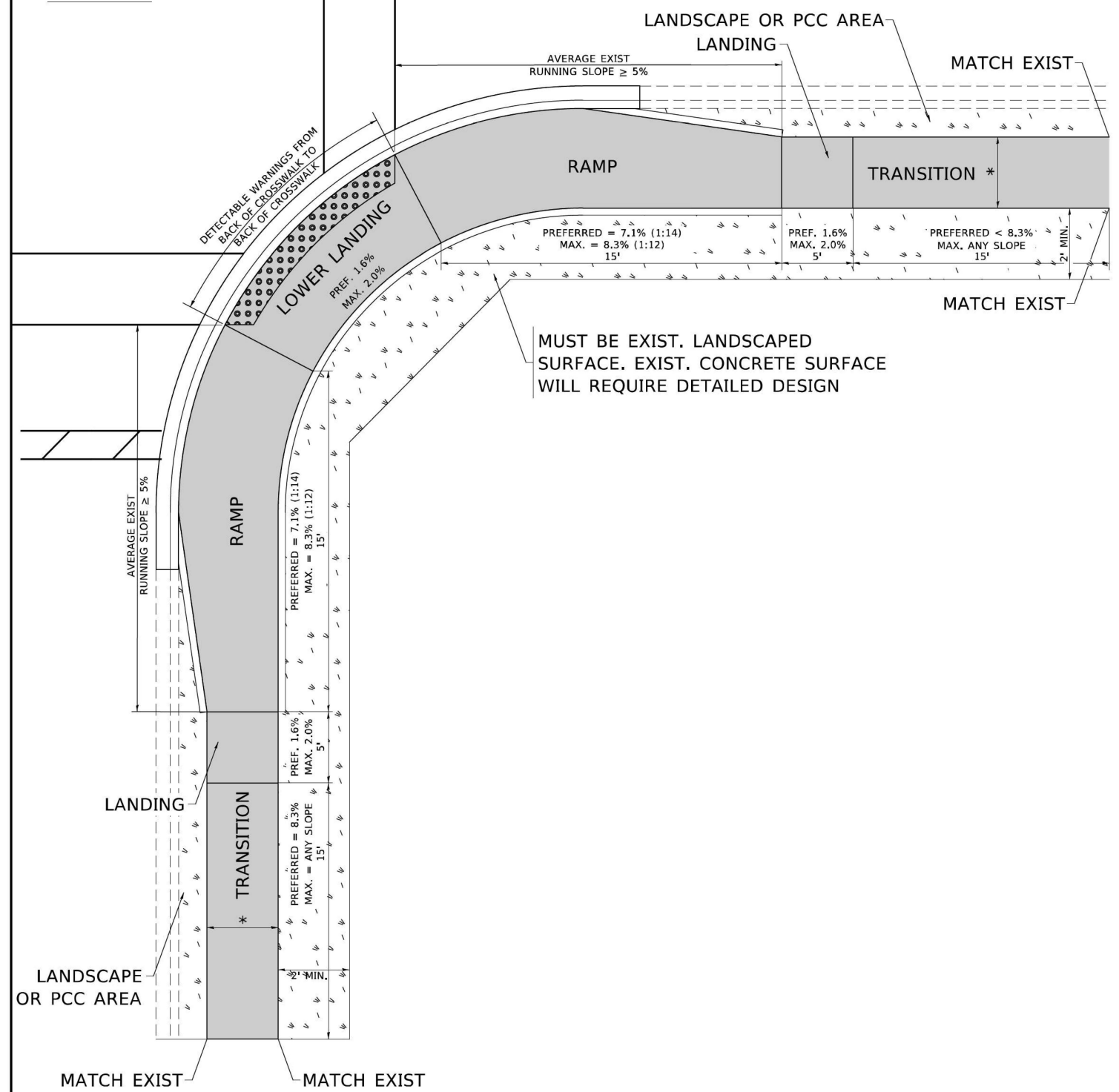
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	33
PD-02		CONTRACT NO. 80B68		
ILLINOIS FED. AID PROJECT				

# ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING

**PD-06A**



**PD-06B**



**LEGEND**

- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- PROPOSED SIDE CURB

**CONSTRUCTION NOTES:**

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- \* MATCH EXISTING SIDEWALK WIDTH

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PLOT DATE = 1/30/2026	CHECKED -	REVISED -
	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR PARALLEL CURB RAMPS  
(PD-06)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	35
PD-06		CONTRACT NO. 80B68		
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
Traffic Signal Cabinet			Handhole			Signal Head		
Uninterruptable Power Supply			-Square			- (P) Programmable Signal Head		
Communication Cabinet			-Round			- (EV) Elongated Visors		
Master Controller			Double Handhole			Signal Head with Backplate		
Master Master Controller			Heavy Duty Handhole			- (RB) Retroreflective Backplate		
Service Installation			-Square			- (P) Programmable Signal Head		
- (P) Pole Mounted			-Round			- (EV) Elongated Visors		
Service Installation			Junction Box			Pedestrian Signal Head		
- (G) Ground Mounted			Railroad Cantilever Mast Arm			with Countdown Timer		
- (GM) Ground Mounted Metered			Railroad Flashing Signal			Illuminated LED Sign		
Cellular Modem			Railroad Crossing Gate			"NO LEFT TURN"/"NO RIGHT TURN"		
Telephone Connection			Railroad Crossbuck			Electric Cable, Signal, No. 14 -		
Steel Mast Arm Assembly and Pole			Railroad Controller Bungalow			2/C, 3/C, 5/C, 7/C		
Aluminum Mast Arm Assembly and Pole			Underground Conduit (UC), Galvanized Steel			Electric Cable, Lead-In, No. 14, 1 Pair		
Steel Combination Mast Arm Assembly and Pole with Luminaire			Temporary Span Wire, Tether Wire, and Cable			Service Cable, 2/C -		
Signal Post			System Item	S	SP	No. 2, No. 4, No. 6		
- (BM) Barrel Mounted - Temporary			Intersection Item	I	IP	Ground Cable		
Wood Pole			Removal Item		R	No. 6 Solid Copper (Green), 1/C		
Guy Wire			Relocate Item		RL	Electric Cable, Tracer, No. 14, 1/C		
Signal Head			Abandon Item		A	Railroad No. 14 3/C		
Signal Head with Backplate			Controller Cabinet and Foundation to be Removed		RCF	SOOW		
Signal Head - Programmable			Mast Arm Pole and Foundation to be Removed		RMF	Electric Cable, Street Name Sign No. 14, 3/C, Type SOOW		
Flasher Installation			Signal Post and Foundation to be Removed		RPF	Vendor Cable		
- (FS) Solar Powered			Detector Loop, Type I			Emergency Vehicle Priority Line Sensor Cable, No. 20, 3/C		
Pedestrian Signal Head			Preformed Detector Loop			Outdoor Rated Network Cable		
Pedestrian Push Button			Wireless Detector Sensor			Fiber Optic Cable		
- (APS) Accessible Pedestrian Push Button						-12F: 12 Multimode		
Radar Detection Sensor						-24F: 12 Multimode / 12 Single Mode		
Video Detection Camera						-36F: 12 Multimode / 24 Single Mode		
Radar/Video Detection Zone						-24SM: 24 Single Mode		
Pan, Tilt, Zoom (PTZ) Camera						-48SM: 48 Single Mode		
Emergency Vehicle Light Detector						Ground Rod		
Confirmation Beacon						- (C) Controller		
Wireless Interconnect						- (M) Mast Arm		
Wireless Interconnect Radio Repeater						- (P) Post		
Wireless Access Point						- (S) Service		

USER NAME = Iovan,plascencia	DESIGNED - IP	REVISD -
	DRAWN - IP	REVISD -
	CHECKED - NB/KK	REVISD -
PLOT DATE =	DATE - 10/15/2025	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

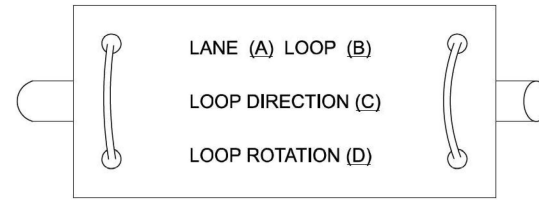
**DISTRICT 1  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NTS    SHEET 1 OF 7 SHEETS    STA. TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 36
TS-01		CONTRACT NO. 80B68		
ILLINOIS FED. AID PROJECT				

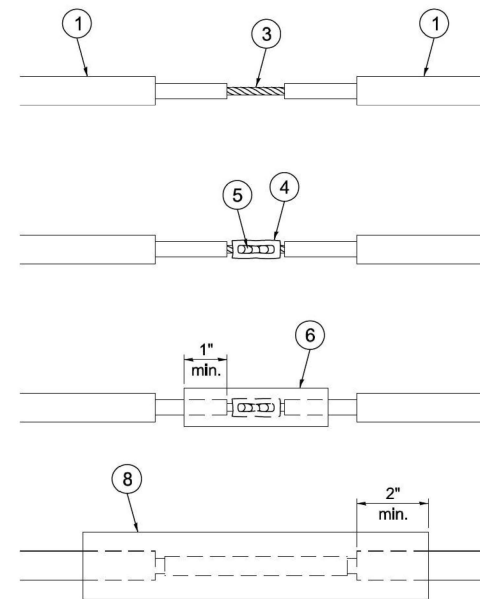
**DETECTOR LOOP NOTES:**

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" APART.
9. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS.
10. PREFORMED DETECTOR LOOPS SHALL BE USED WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



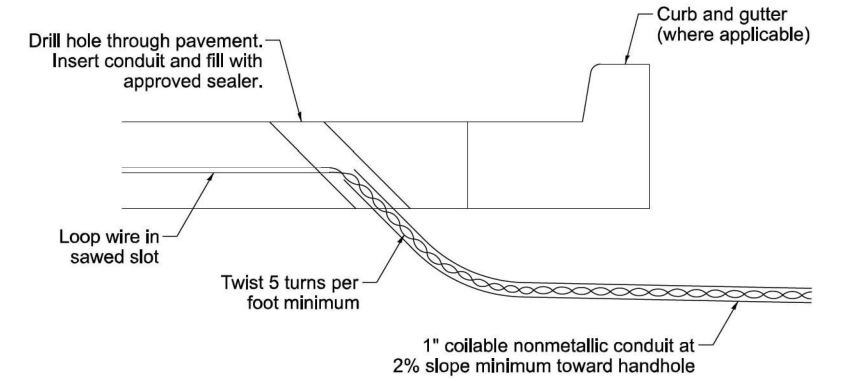
- A. Lane 1 is the lane closest to the centerline of the roadway.
- B. Loop #1 is the loop closest to the intersection.
- C. Label loop cable "in" or loop cable "out".
- D. Label loop cable clockwise or loop cable counterclockwise.

**DETECTOR LOOP LEAD-IN CABLE TAG**

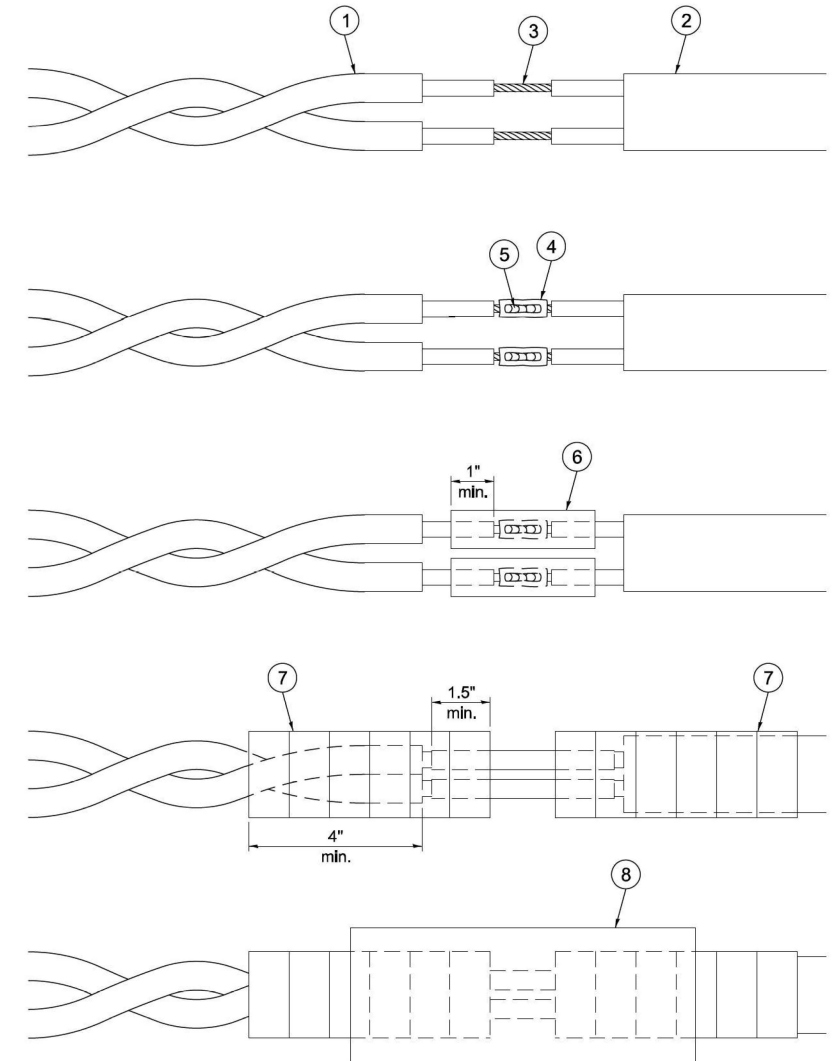


**LOOP-TO-LOOP SPICE DETAIL**

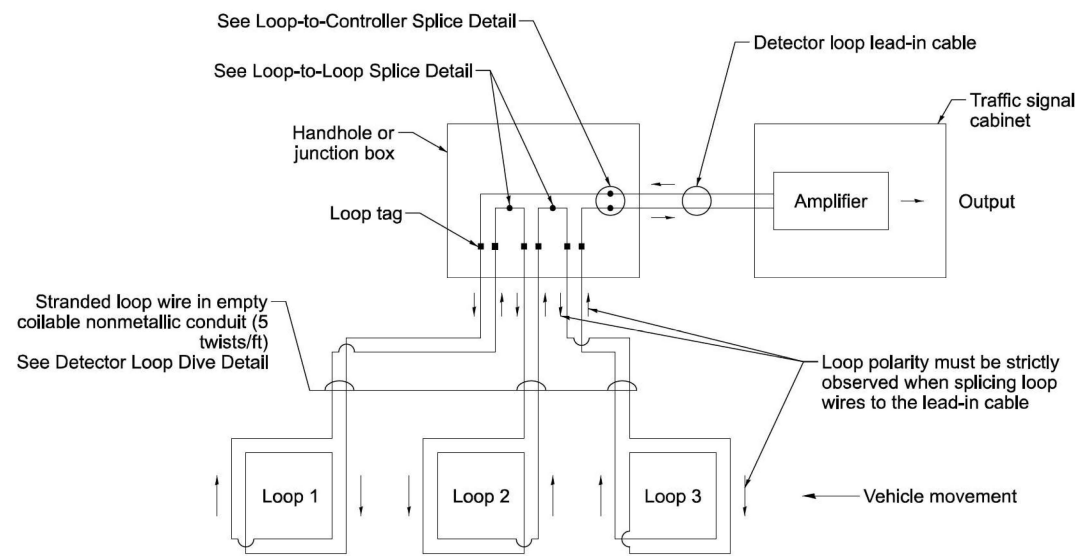
1. Detector loop cable.
2. Detector loop lead-in cable
3. Bare conductors twisted together.
4. Butt splice crimp connector.
5. Splice soldered with rosin core flux. All exposed surfaces of the solder shall be smooth. The splices shall be staggered.
6. WCSMW 30/100 heat shrink tube, 3" minimum length, underwater grade.
7. Self-infused, silicone electrical tape tightly wrapped around cables.
8. WCS 200/750 heat shrink tube, 8" minimum length, underwater grade.



**DETECTOR LOOP DIVE DETAIL**



**LOOP-TO-CONTROLLER SPICE DETAIL**



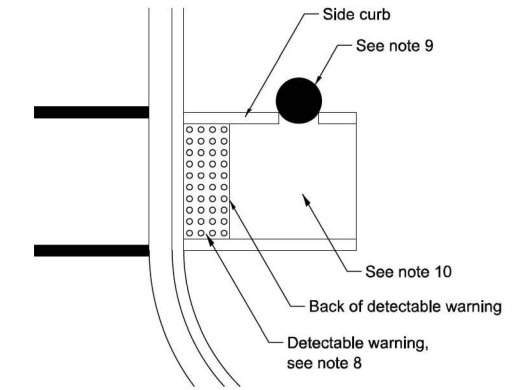
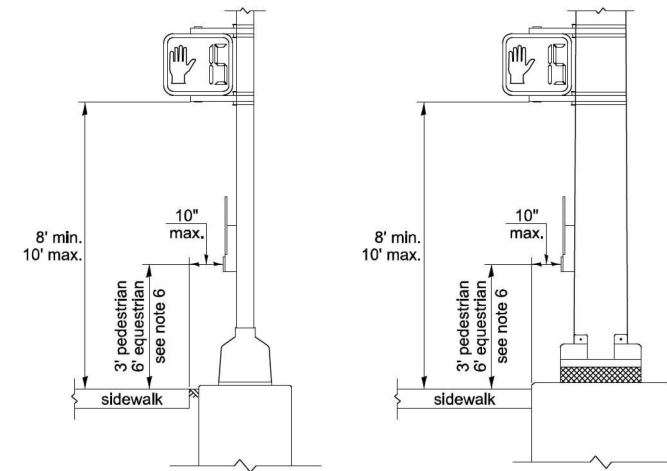
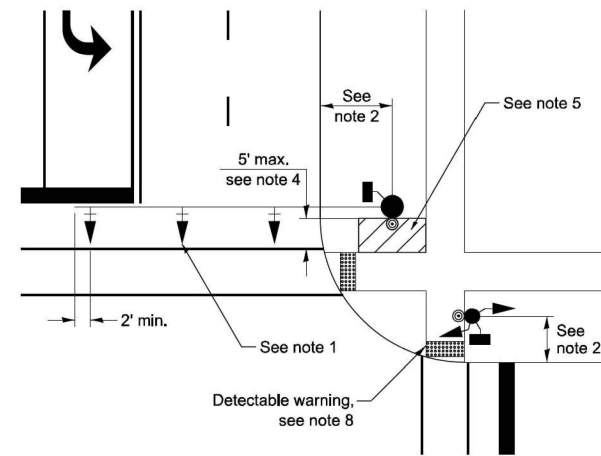
**DETECTOR LOOP WIRING SCHEMATIC**

USER NAME = lovan.plascencia	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY	TOTAL SHEETS 69	SHEET NO. 37
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PLOT DATE =	CHECKED - NB/KK	REVISED -							
	DATE - 10/15/2025	REVISED -							

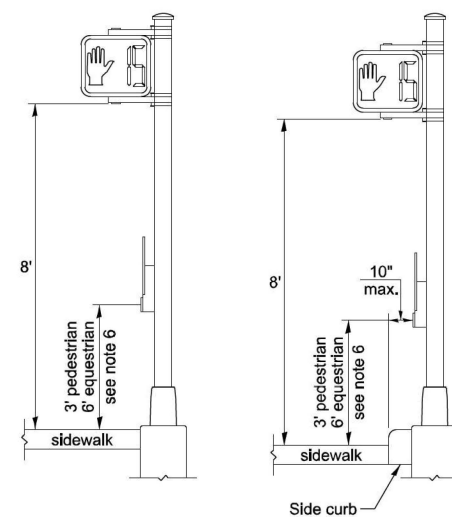
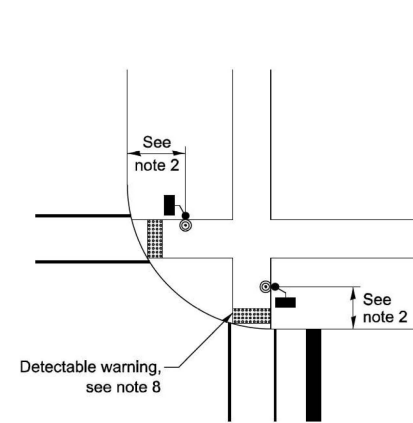
**NOTES:**

1. THE MAST ARM MOUNTED SIGNAL HEADS SHALL BE CENTERED ON THE LANES OR AS SHOWN ON THE TRAFFIC SIGNAL PLANS.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS TABLE.
3. A 4' MINIMUM UNOBSTRUCTED PEDESTRIAN ACCESS ROUTE SHALL BE MAINTAINED.
4. THE PUSH-BUTTON SHALL BE LOCATED 5' OR LESS FROM THE OUTSIDE EDGE OF THE MARKED CROSSWALK FARTHEST FROM THE INTERSECTION FOR THE CROSSWALK THAT THE PUSH-BUTTON CONTROLS.
5. IF THE MAST ARM POLE OR SIGNAL POST WHERE THE PUSH-BUTTON IS TO BE INSTALLED IS NOT IMMEDIATELY ADJACENT TO THE SIDEWALK, PROVIDE A FIRM, STABLE, AND SLIP RESISTANT SURFACE UP TO THE MAST ARM POLE OR SIGNAL POST. THE MINIMUM PAVED AREA IN FRONT OF THE PUSH-BUTTON SHALL BE 2.5' X 4'. IF THIS DOES NOT MEET THE REQUIREMENT STATED IN NOTE 3, A SEPARATE PEDESTRIAN SIGNAL POST SHALL BE INSTALLED TO PLACE THE PUSH-BUTTON ADJACENT TO THE SIDEWALK SURFACE.
6. THE HEIGHT OF THE PEDESTRIAN PUSH-BUTTON SHALL BE 36". IF APPROVED BY THE AREA TRAFFIC SIGNAL ENGINEER, THE PUSH-BUTTON MAY BE LOCATED AT A HEIGHT BETWEEN 30" AND 42". THE HEIGHT OF THE EQUESTRIAN PUSH-BUTTON SHALL BE 72" OR AS DIRECTED BY THE ENGINEER.
7. THE FACE OF THE PUSH-BUTTON SHALL BE PARALLEL TO THE CROSSWALK IT CONTROLS.
8. THE PUSH-BUTTON SHALL BE LOCATED BEHIND THE DETECTABLE WARNING.
9. WHERE A PUSH-BUTTON IS BEING INSTALLED ON A MAST ARM POLE OR SIGNAL POST ADJACENT TO THE PEDESTRIAN ACCESS ROUTE, THE PROPOSED FOUNDATION SHALL BE INSTALLED WITHIN THE SIDE CURB IN ORDER TO MEET THE 10' REACH REQUIREMENT.
10. THE SIDEWALK PANEL IN FRONT OF THE PUSH-BUTTON SHALL HAVE A SLOPE LESS THAN 5%.
11. WHERE TWO PEDESTRIAN PUSH-BUTTONS ARE PROVIDED ON THE SAME CORNER, THEY SHALL BE 10' OR MORE APART. EXCEPTION: IN ALTERATIONS WHERE TECHNICALLY INFEASIBLE TO PROVIDE 10' SEPARATION BETWEEN PUSH-BUTTONS ON THE SAME CORNER.
12. CORRESPONDING PEDESTRIAN EQUIPMENT (SIGNAL HEAD AND PUSH-BUTTON) SHALL BE INSTALLED ON THE SAME POST CLOSEST TO THE CROSSWALK IT CONTROLS.
13. PEDESTRIAN SIGNAL HEADS INSTALLED ON MAST ARM POLES OR SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' OR MORE THAN 10' ABOVE SIDEWALK LEVEL. PEDESTRIAN SIGNAL HEADS INSTALLED ON PEDESTRIAN SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' ABOVE SIDEWALK LEVEL. THE PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
14. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

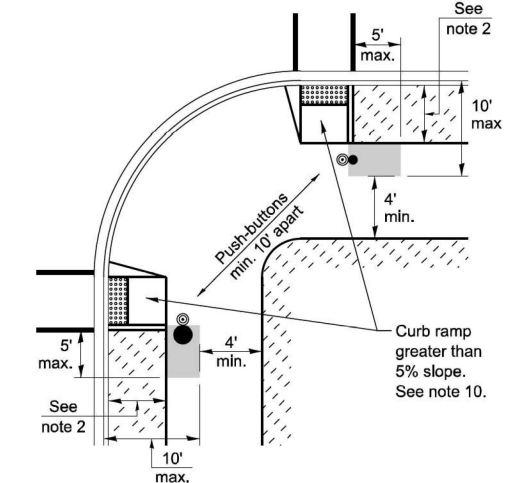
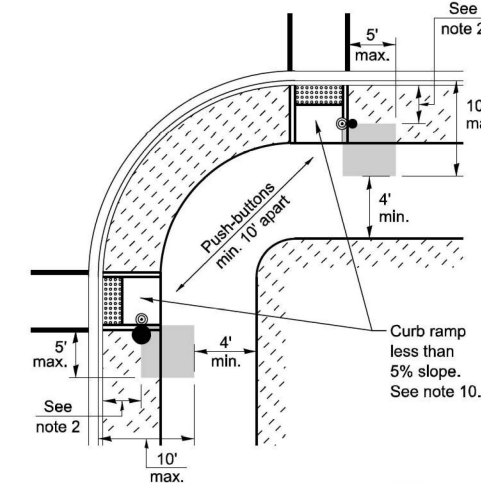
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**



**PEDESTRIAN SIGNAL POST**



**PUSH-BUTTON LOCATIONS**

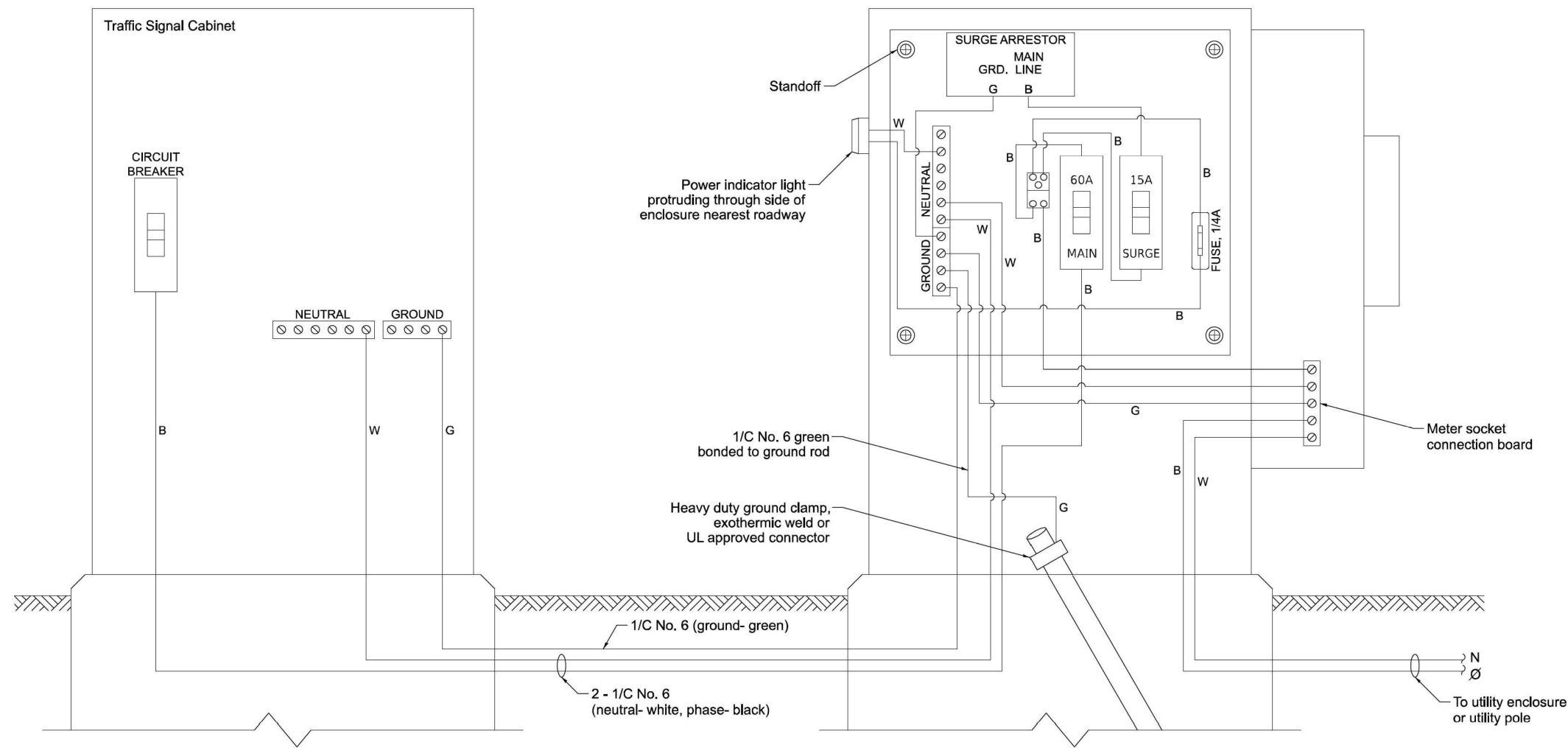


TRAFFIC SIGNAL EQUIPMENT	BARRIER CURB (MINIMUM DISTANCE FROM THE BACK OF CURB TO THE CENTER OF THE FOUNDATION)	SHOULDER / NON-BARRIER CURB (MINIMUM DISTANCE FROM THE EDGE LINE OF THE RIGHT-MOST LANE TO THE CENTER OF THE FOUNDATION)
Mast arm assembly and pole	6'	Shoulder width + 2', minimum 10'
Signal post	4'	Shoulder width + 2', minimum 10'
Pedestrian signal post	4'	4' - See note 2
Temporary wood pole	6'	Shoulder width + 2', minimum 10'
Traffic signal cabinet	6' - See Note 3	Shoulder width + 6', minimum 16' - See note 3
Service cabinet	6' - See Note 3	Shoulder width + 6', minimum 16' - See note 3

**TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS**

**NOTES:**

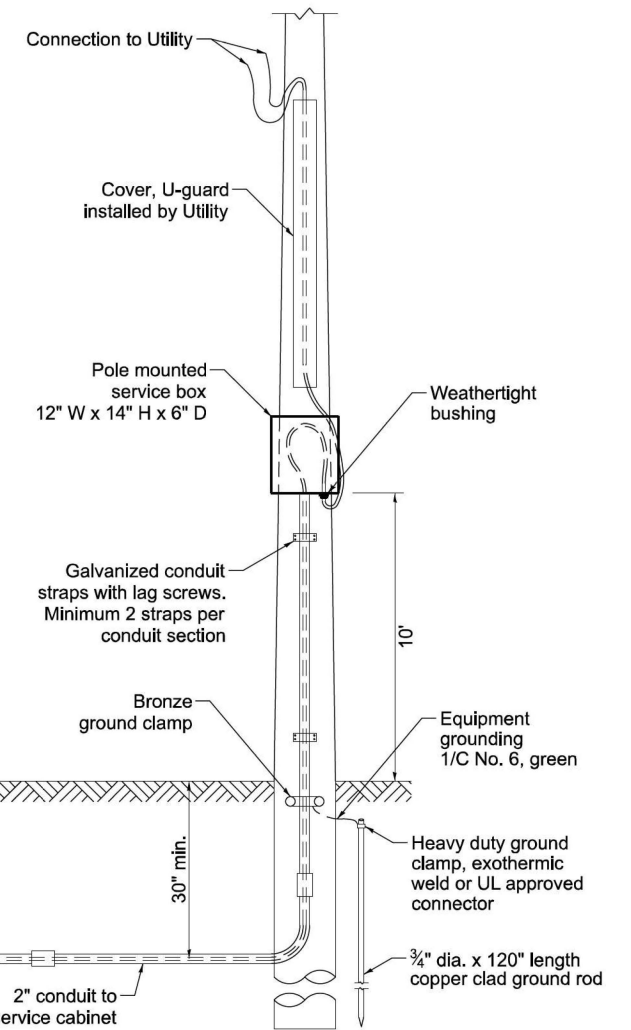
1. CONTACT THE AREA TRAFFIC SIGNAL ENGINEER FOR ASSISTANCE LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS AND THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF THE DETECTABLE WARNING.
3. MINIMUM DISTANCE TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" TABLE AND THE TRAFFIC SIGNAL PLAN COULD AFFECT THE PLACEMENT OF THE TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND THE PEDESTRIAN PUSH-BUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THESE REQUIREMENTS. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.



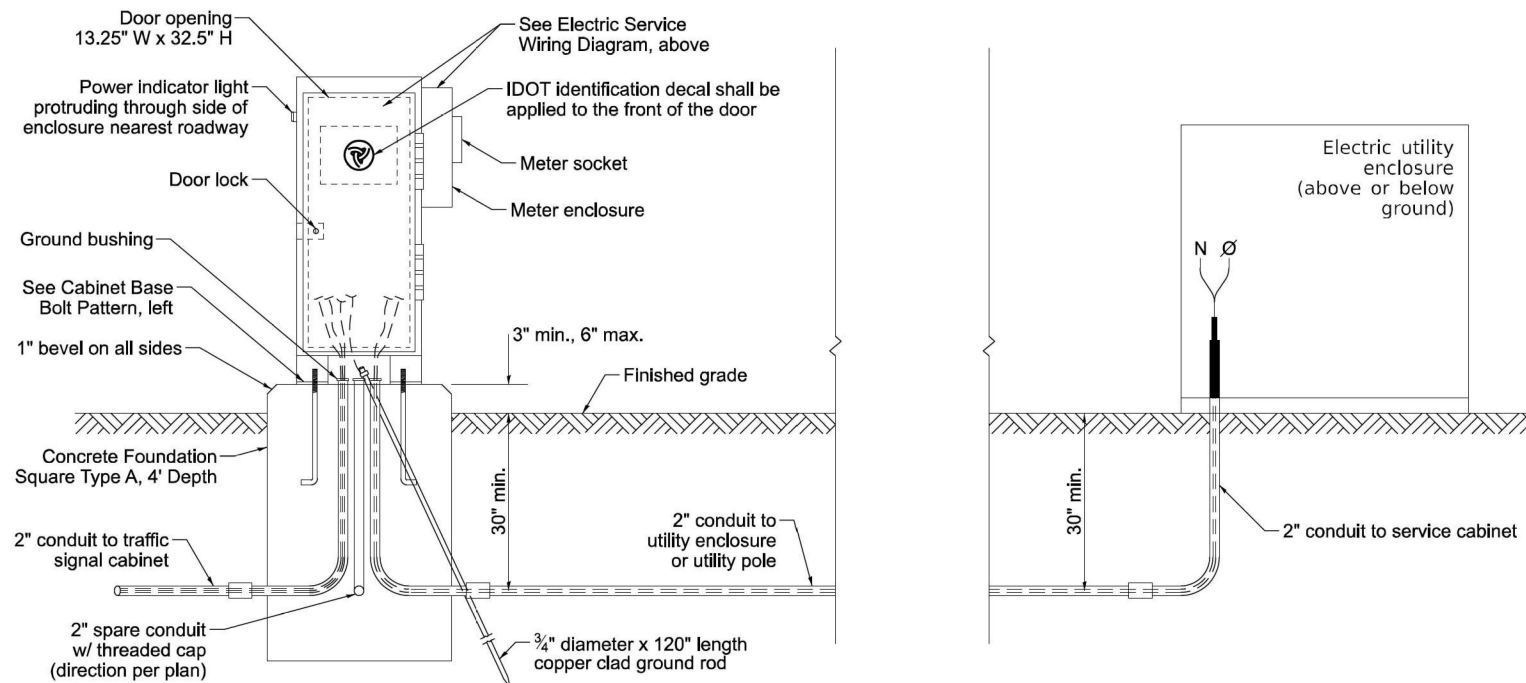
**NOTES:**

1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
4. THE METER SOCKET IS TO BE PROVIDED BY THE CONTRACTOR. THE METER IS TO BE PROVIDED BY THE UTILITY COMPANY.

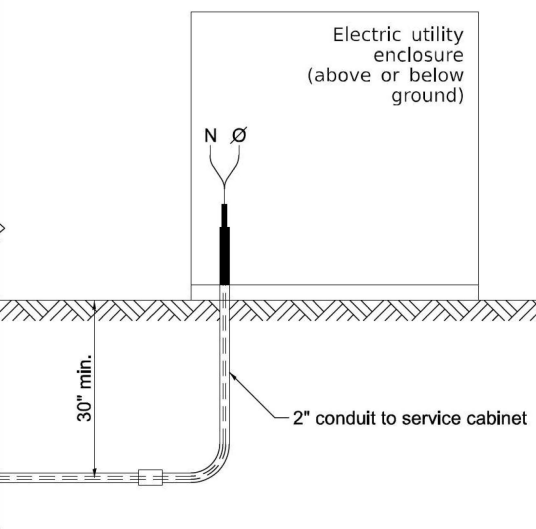
**ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET**



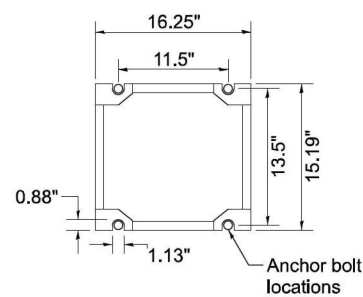
**CONNECTION TO UTILITY POLE**



**SERVICE INSTALLATION - GROUND MOUNTED WITH METER**



**CONNECTION TO UTILITY ENCLOSURE**



**CABINET BASE BOLT PATTERN**

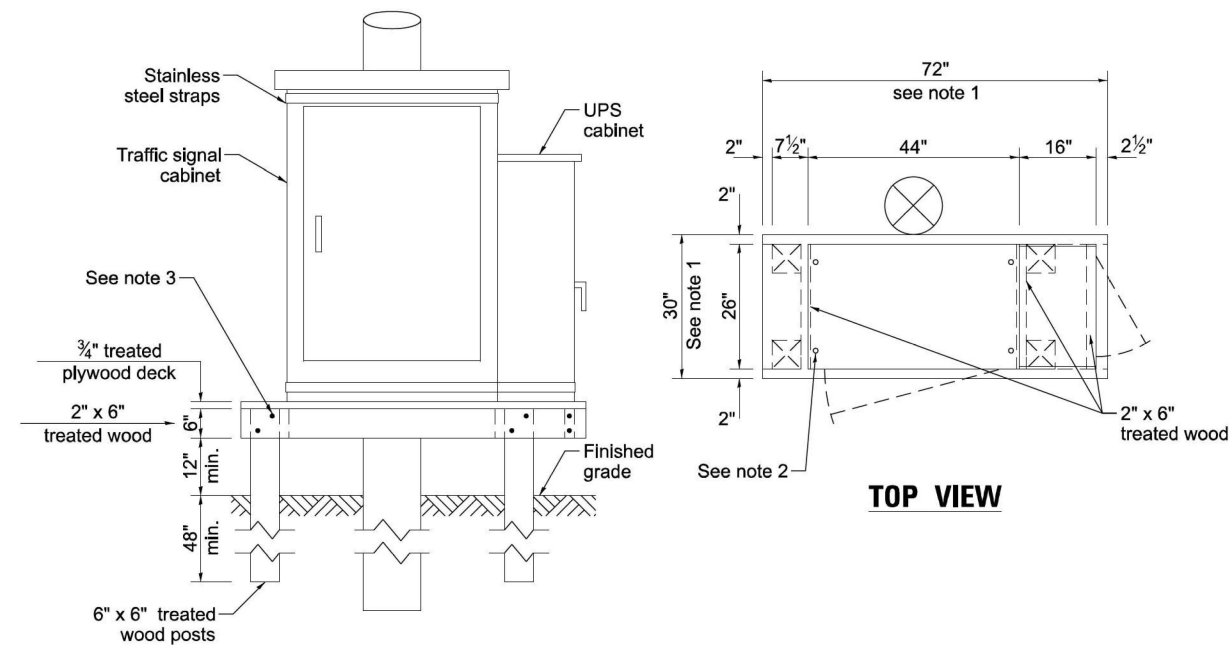
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT 1  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY	TOTAL SHEETS 69	SHEET NO. 39
TS-01		DUPAGE		CONTRACT NO. 80B68
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. THE PLATFORM SIZE IS BASED ON A TRAFFIC SIGNAL CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" AND UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25". ADJUST THE PLATFORM SIZE TO FIT THE BASE DIMENSIONS OF THE CABINET SUPPLIED.
2. DRILLED HOLES THROUGH THE PLATFORM ARE TO MATCH THE TRAFFIC SIGNAL CABINET BOLT TEMPLATE. THE CABINET SHALL BE FASTENED TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS, AND NUTS.
3. ALL WOOD SUPPORT FRAMING SHALL BE FASTENED TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY TRAFFIC SIGNAL CABINET WOOD SUPPORT PLATFORM**

MAST ARM LENGTH	Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30'	10'	30"	24"	8	#6
Greater than or equal to 30' and less than 40'	13.5'	30"	24"	8	#6
	11'	36"	30"	12	#7
Greater than or equal to 40' and less than 50'	13'	36"	30"	12	#7
Greater than or equal to 50' and up to 55'	15'	36"	30"	12	#7
Greater than or equal to 56' and less than 65'	21'	42"	36"	16	#8
Greater than or equal to 65' and up to 75'	25'	42"	36"	16	#8

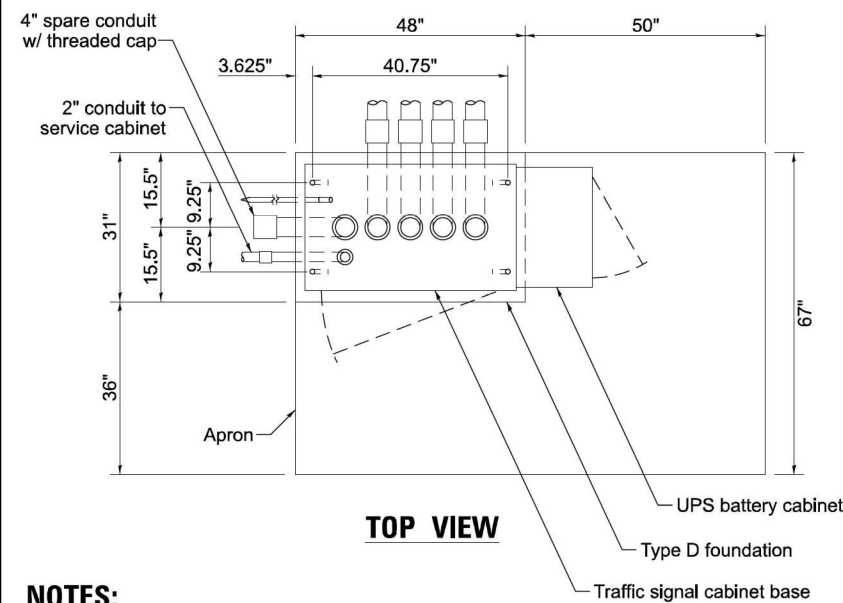
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

**TYPE E FOUNDATION NOTES:**

1. FOR STANDARD AND COMBINATION MAST ARM ASSEMBLIES. FOUNDATION DEPTHS FOR STANDARD DUAL MAST ARMS WITH THE LONGEST ARM LENGTH UP TO AND INCLUDING 55' SHALL BE INCREASE BY 1' OF THAT SHOWN IN THE TABLE, BASED ON THE LONGER OF THE TWO ARMS.
2. SEE STATE STANDARD 878001 CONCRETE FOUNDATION DETAILS FOR MORE INFORMATION.

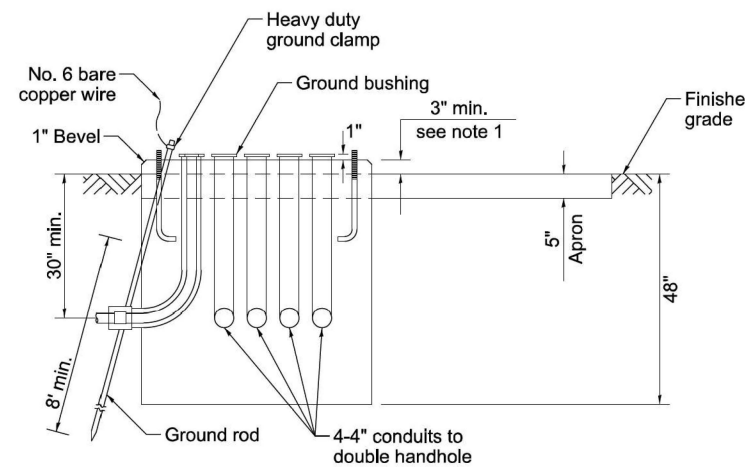
FOUNDATION	DEPTH
Type A - Signal post, service cabinet	4'
Type C - Traffic signal cabinet with UPS	4'
Type D - Traffic signal cabinet	4'

**DEPTH OF FOUNDATIONS TYPES A, C & D**

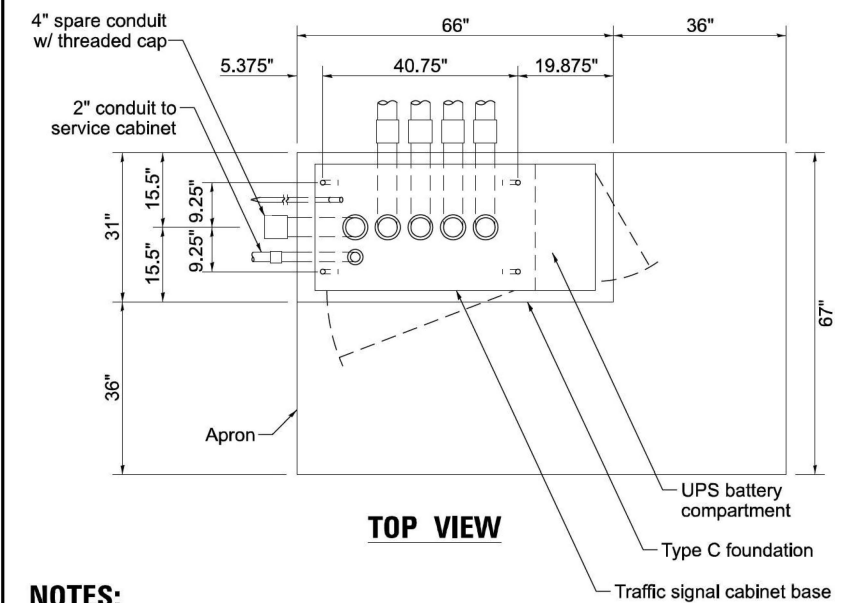


**NOTES:**

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.

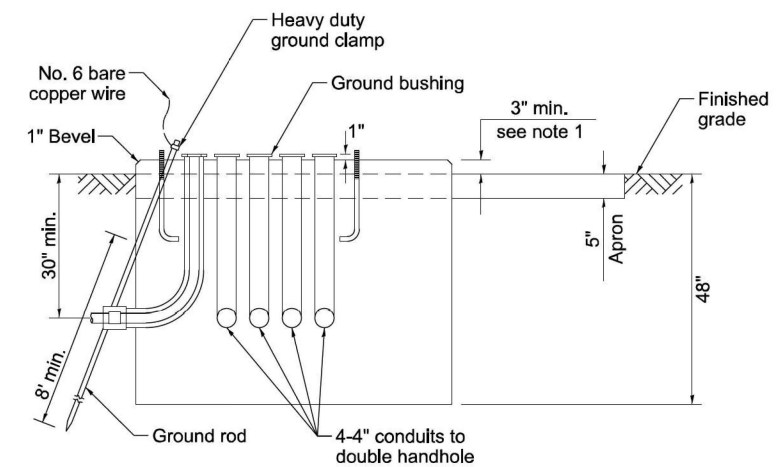


**TYPE D FOUNDATION TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET AND UPS BATTERY CABINET**



**NOTES:**

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.



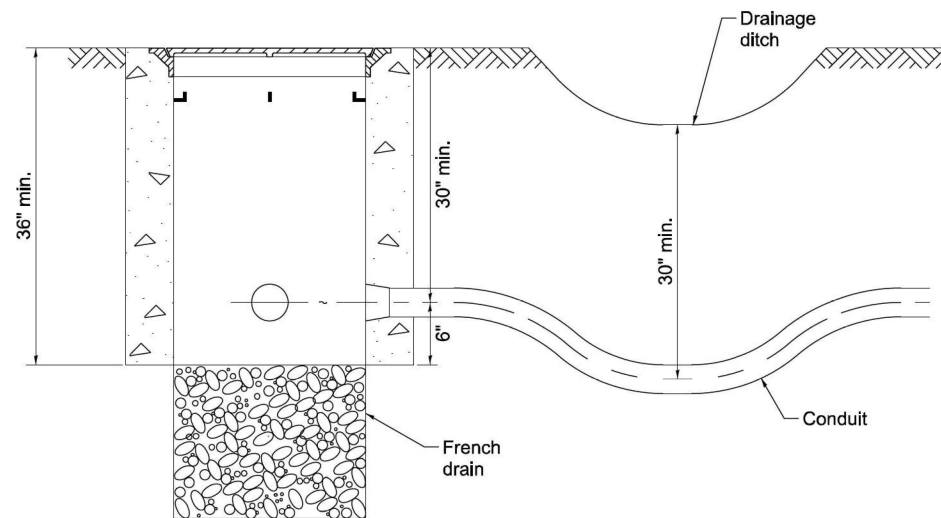
**TYPE C FOUNDATION SUPER P AND SUPER R TRAFFIC SIGNAL CABINETS**

VERTICAL CABLE	LENGTH
Mast arm mounted signal head (L = mast arm length - distance to signal head from end of arm)	20'+L
Bracket mounted signal head (mast arm pole or signal pole)	13'
Pedestrian signal head	10'
Pedestrian push button	6'
Service installation pole mount to service drop	13.5'
Service installation pole mount to ground	13.5'
Service installation ground mount	6'
Foundation (signal post, mast arm, traffic signal cabinet, service cabinet)	3'

**VERTICAL CABLE LENGTH**

CABLE SLACK	LENGTH
Handhole	6.5'
Double handhole	13'
Signal post	2'
Mast arm	2'
Traffic signal cabinet or service cabinet	1.5'
Fiber optic cable at traffic signal cabinet	13'
Ground cable at signal post, mast arm, or cabinet	1.5'
Ground cable at handhole or double handhole	6.5'
Ground cable between handhole frame and cover	5'

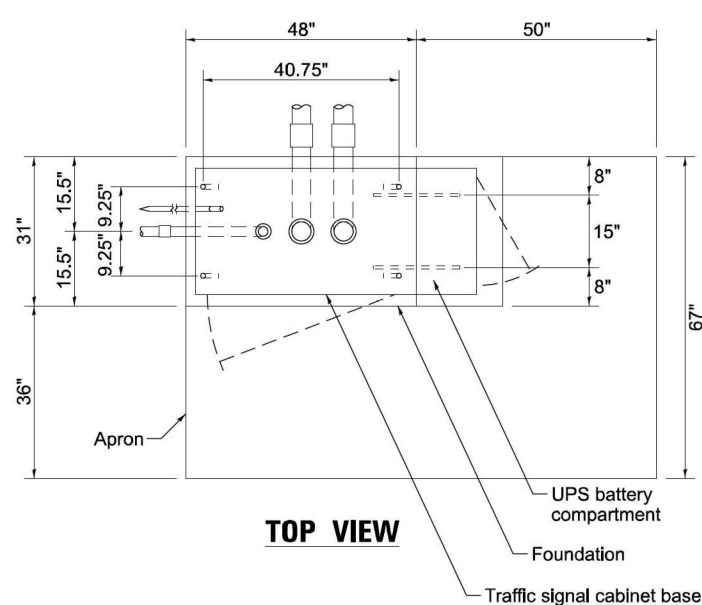
**CABLE SLACK LENGTH**



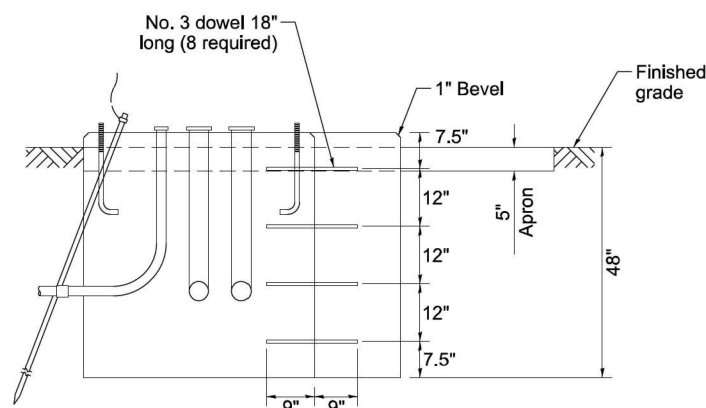
**NOTES:**

1. THE CONDUIT DEPTH SHALL BE A MINIMUM OF 30" 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.

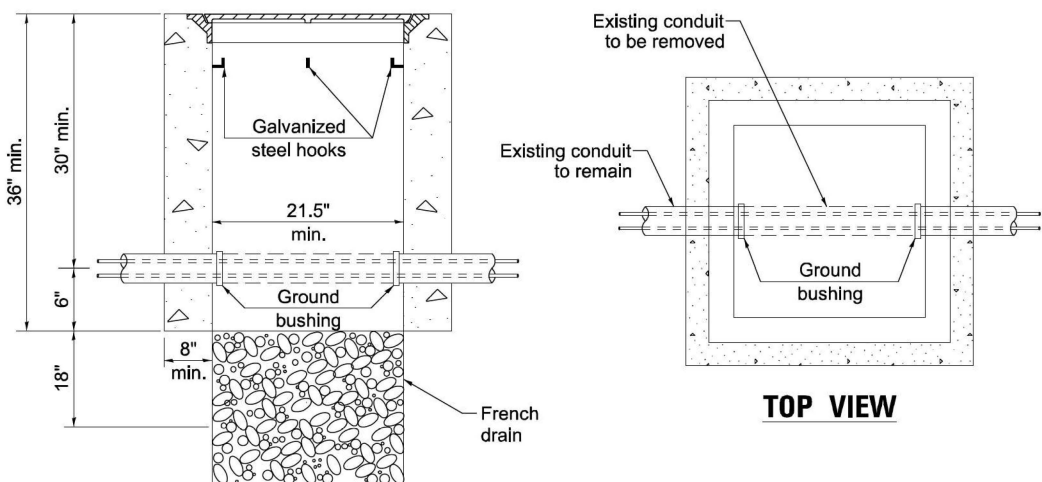
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**



**TOP VIEW**



**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**

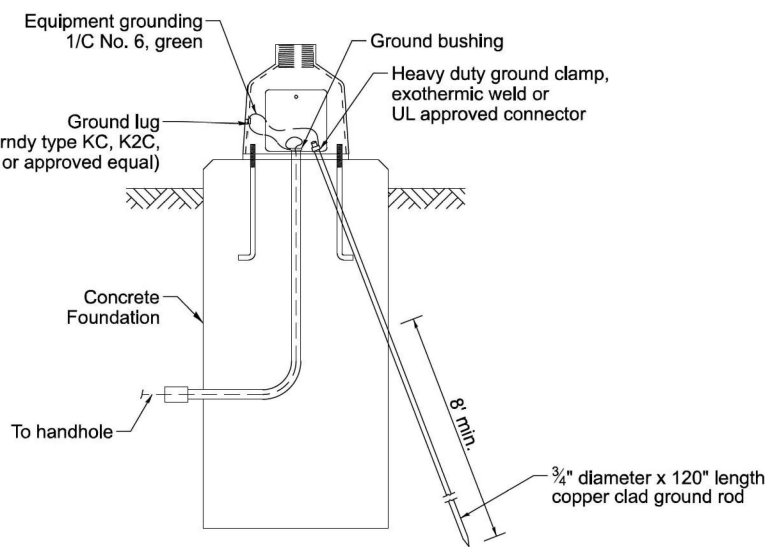


**TOP VIEW**

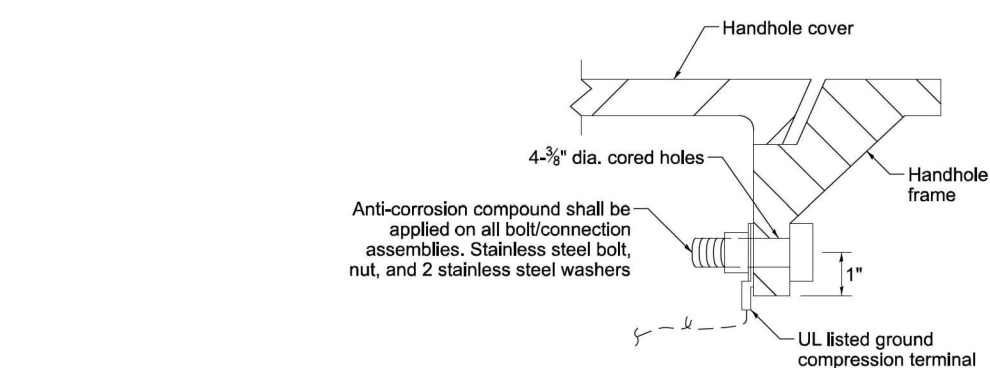
**NOTES:**

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.

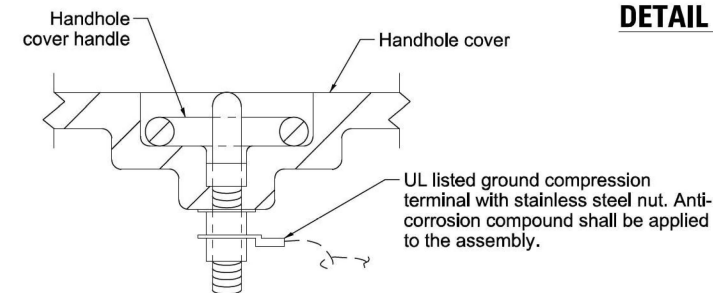
**HANDHOLE TO INTERCEPT EXISTING CONDUIT**



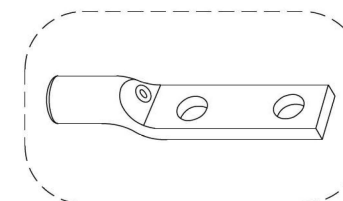
**MAST ARM / POST GROUNDING DETAIL**



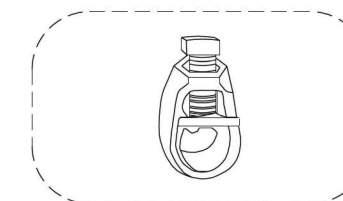
**DETAIL A**



**DETAIL B**



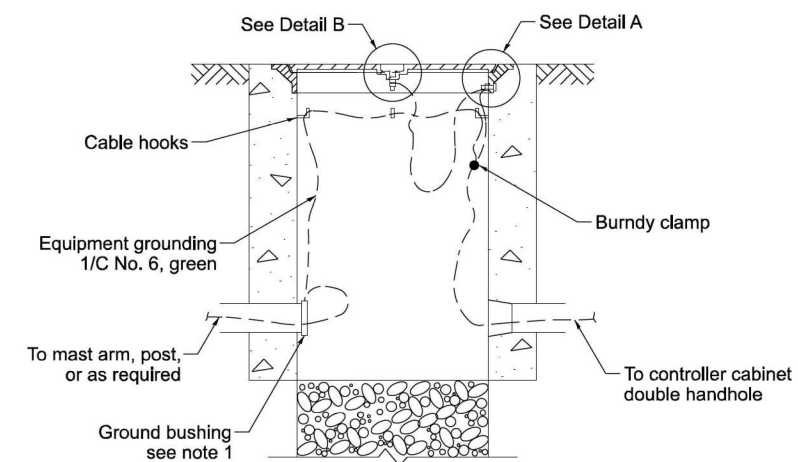
Heavy-Duty Compression Terminal (Burndy Type YGHA or approved equal)



3/4" Heavy-Duty Ground Rod Clamp Bronze or Copper, UL Approved (Burndy Type GRC or approved equal)

**NOTES:**

1. CONDUIT THAT HAS BEEN DRILLED INTO AN EXISTING HANDHOLE WILL REQUIRE A GROUND BUSHING FOR THE CONDUIT TO BE PROPERLY GROUNDING.
2. GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' OF SLACK SHALL BE PROVIDED IN SINGLE AND DOUBLE HANDHOLES. 5' OF SLACK SHALL BE PROVIDED BETWEEN THE FRAME AND COVER.



**HANDHOLE GROUNDING DETAIL**

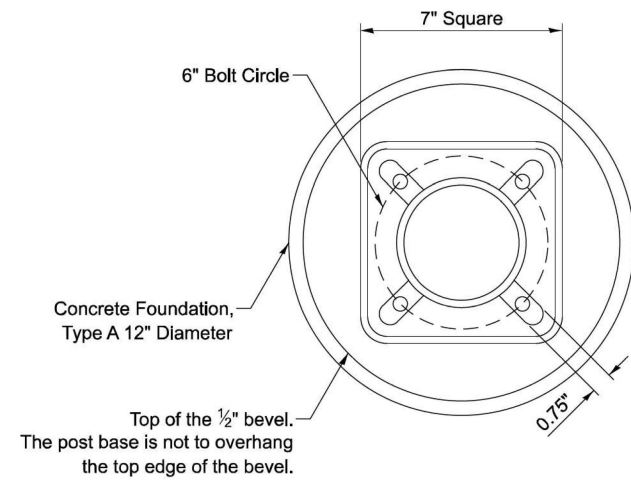
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT 1  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NTS SHEET 6 OF 7 SHEETS STA. TO STA.

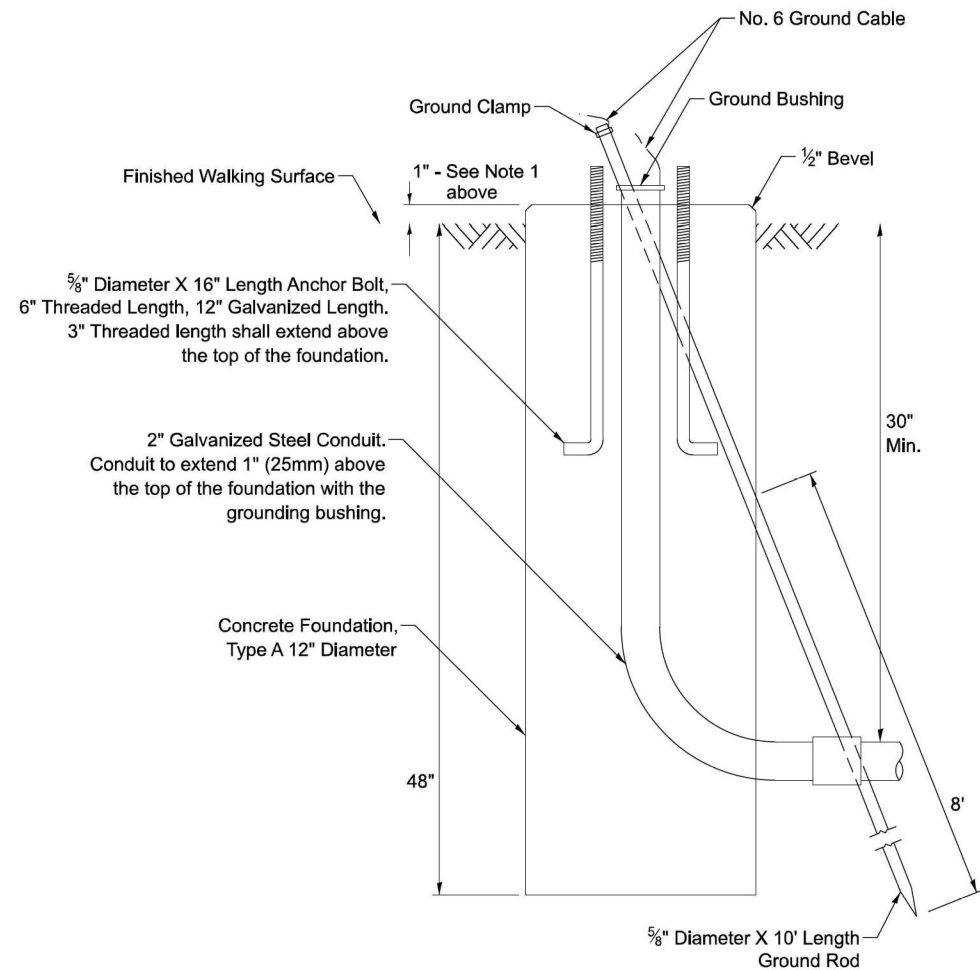
F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 41
TS-01		CONTRACT NO. 80B68		
ILLINOIS FED. AID PROJECT				



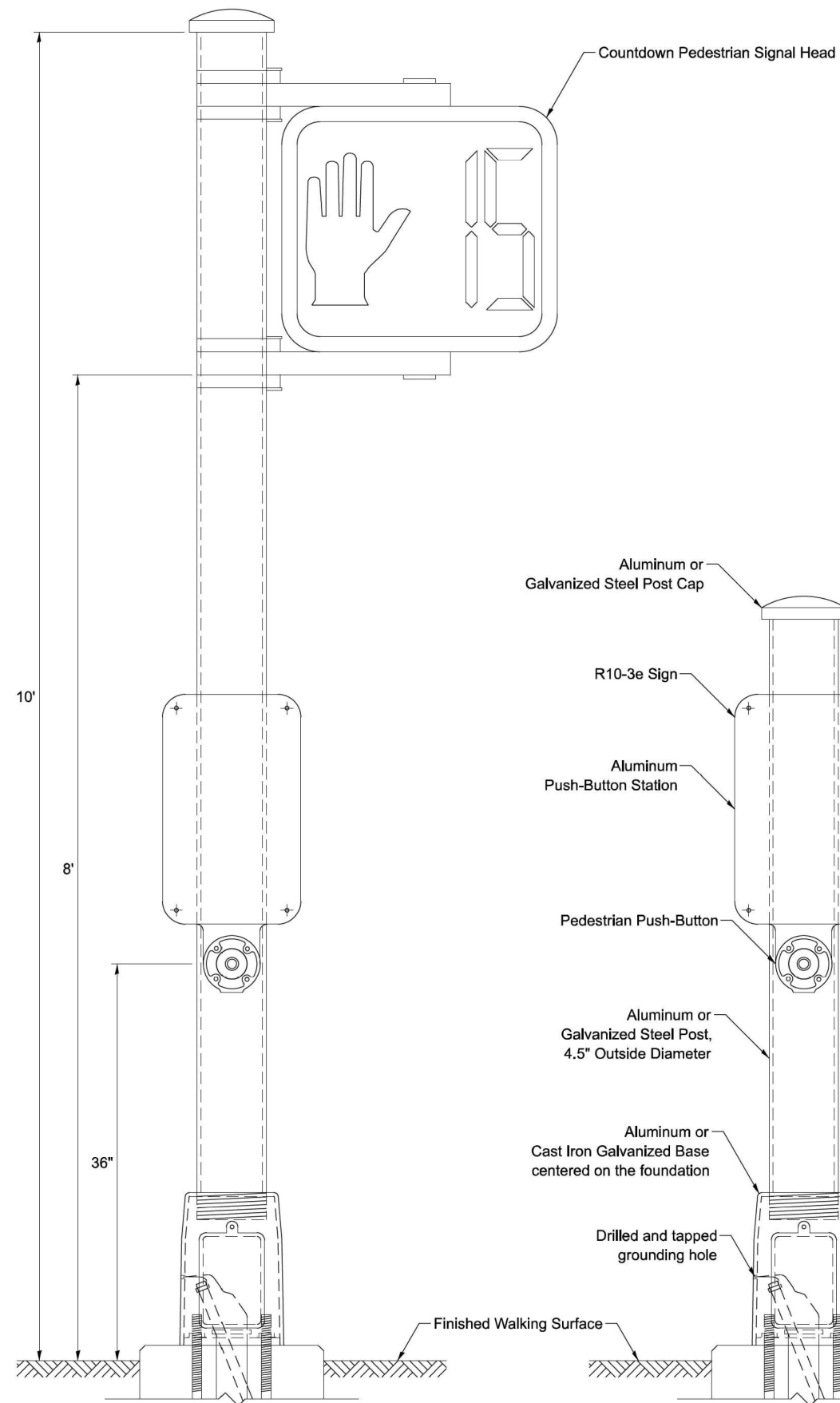
**BOLT PATTERN**

**NOTES:**

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN A SIDEWALK CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE SIDEWALK CURB.

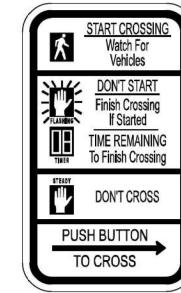


**CONCRETE FOUNDATION,  
TYPE A 12-INCH DIAMETER**



**PEDESTRIAN SIGNAL POST, 10 FT.**

**PEDESTRIAN SIGNAL POST, 5 FT.**



R10-3e  
9" X 15"



W10-1101  
18" X 24"

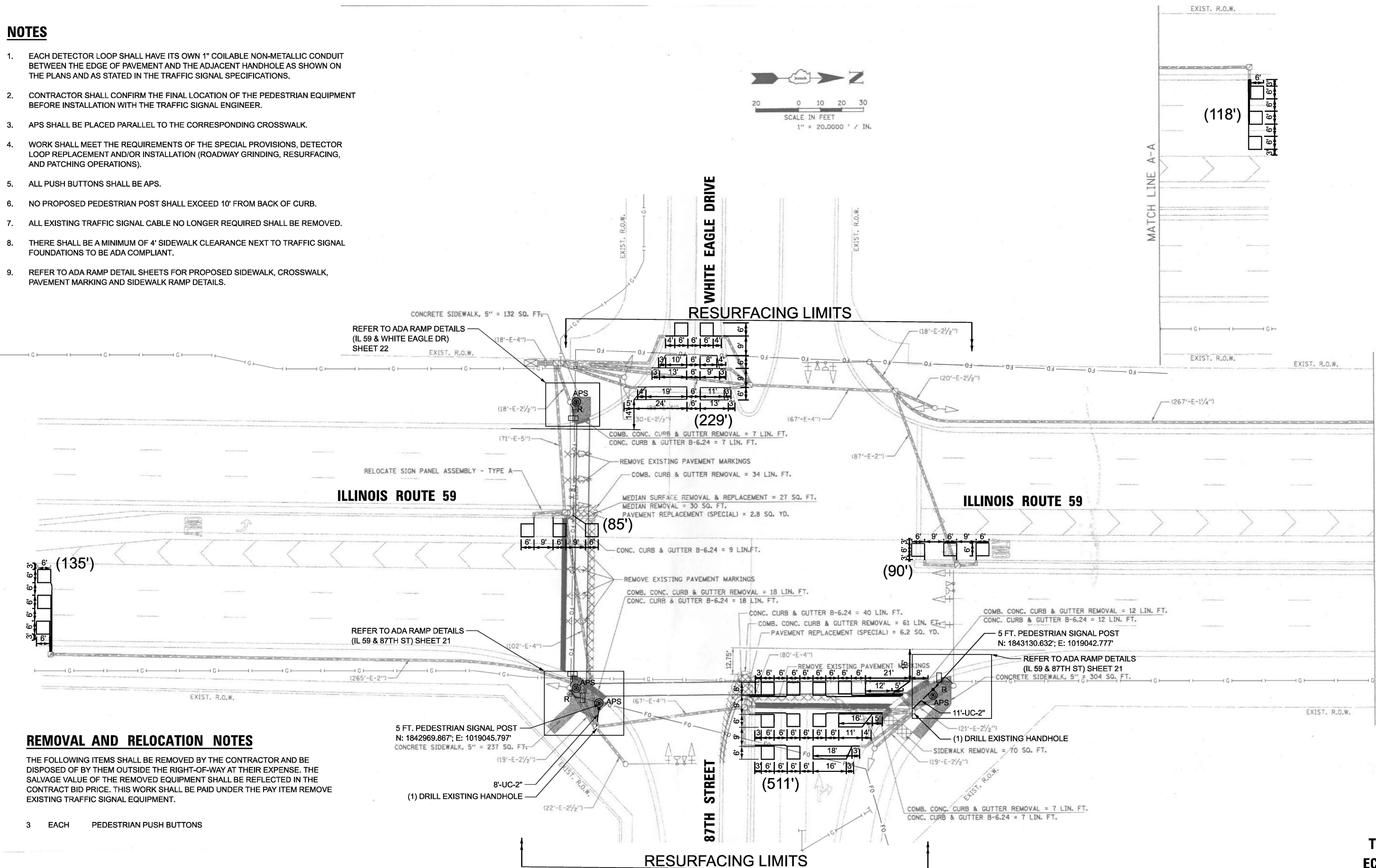
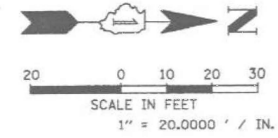
**SIGN NOTES:**

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. WHEN SIGN R10-3e IS INSTALLED AT MEDIANS WHERE ONLY ONE PUSH-BUTTON IS BEING USED FOR BOTH DIRECTIONS, THE ARROW SHALL BE BI-DIRECTIONAL.
3. SIGN W10-1101 IS REQUIRED FOR EACH PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS.

USER NAME = Iovan,plascencia		DESIGNED - IP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 42
DRAWN - IP		REVISIONS -			SCALE: NTS	SHEET 7	OF 7	SHEETS	STA. TO STA.	<b>TS-01</b>		CONTRACT NO. 80B68
CHECKED - NB/KK		REVISIONS -										
PLOT DATE =		DATE - 10/15/2025	REVISIONS -									
ILLINOIS FED. AID PROJECT												

**NOTES**

- 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.
- CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
- APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
- ALL PUSH BUTTONS SHALL BE APS.
- NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10' FROM BACK OF CURB.
- ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
- THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
- REFER TO ADA RAMP DETAIL SHEETS FOR PROPOSED SIDEWALK, CROSSWALK, PAVEMENT MARKING AND SIDEWALK RAMP DETAILS.



**REMOVAL AND RELOCATION NOTES**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND 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. THIS WORK SHALL BE PAID UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- 3 EACH PEDESTRIAN PUSH BUTTONS

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

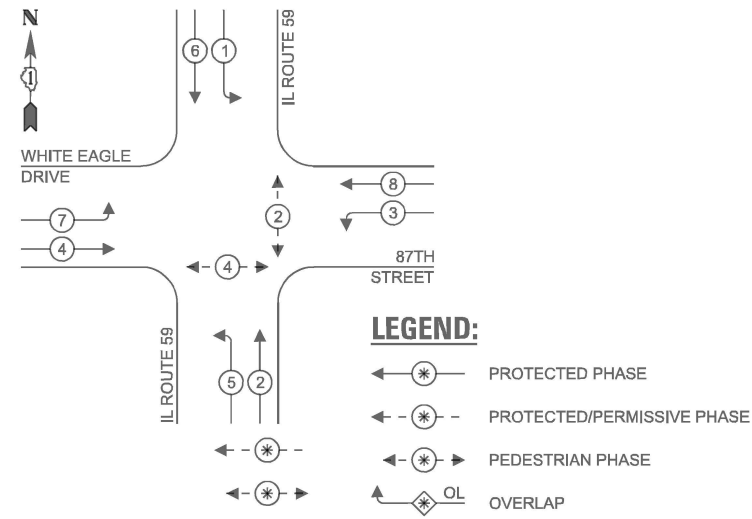
TRAFFIC SIGNAL MODERNIZATION PLAN  
ILLINOIS ROUTE 59 AND 87TH ST

SCALE: N.T.S. SHEET 1 OF 16 SHEETS STA. TO STA.

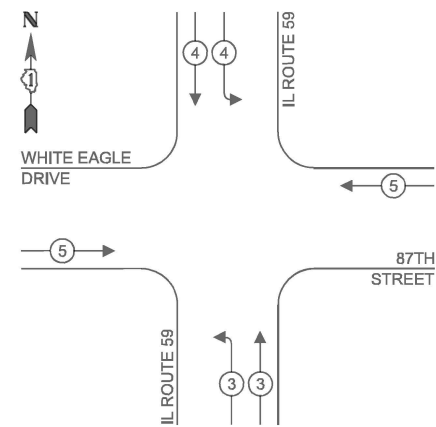
F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 43
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B68	

TS 6092  
ECON 133

**EXISTING & PROPOSED CONTROLLER SEQUENCE**



**EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	19
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	644
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR	FOOT	1,928
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	36
DRILL EXISTING HANDHOLE	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	4
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	414
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4

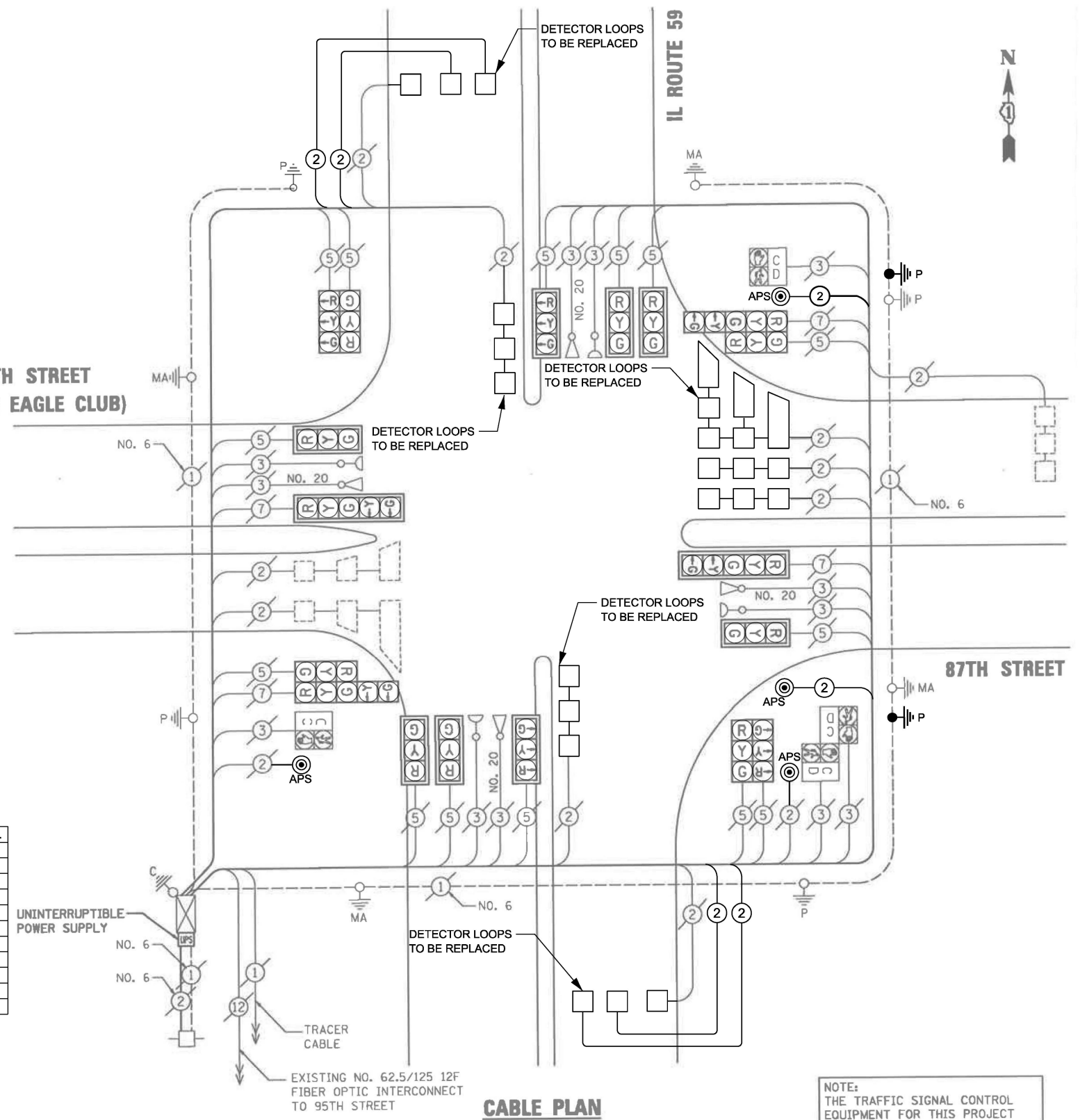
ENERGY COSTS TO:  
 CITY OF AURORA  
 44 E DOWNER PLACE  
 AURORA, IL 60505

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT  
 PHONE: 866-639-3532  
 COMPANY: COMED  
 ACCOUNT NUMBER: 47401-82000  
 METER NUMBER: ---

**TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	14	11	154
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
<b>TOTAL UPS SIZING</b>		<b>441</b>	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
<b>TOTAL SERVICE WIRE SIZING</b>		<b>1,046</b>	

**87TH STREET (WHITE EAGLE CLUB)**



**CABLE PLAN**

NOTE:  
 THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS\* 6092  
 AURORA

**TS 6092  
 ECON 133**

MODEL: Default  
 FILE NAME: c:\pwworking\aes\180868-shr-traffic-signal-10.dgn



USER NAME = nolan.hicks  
 DESIGNED - NCB  
 DRAWN - NCB  
 CHECKED - MJL  
 DATE - 3/11/2026

REVISD - NCB 03/11/2026  
 REVISD - NCB  
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 REVISD -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE DIAGRAM, AND SCHEDULE OF QUANTITIES ILLINOIS ROUTE 59 AND 87TH STREET**

SCALE: N.T.S. SHEET 2 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	44
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B68	

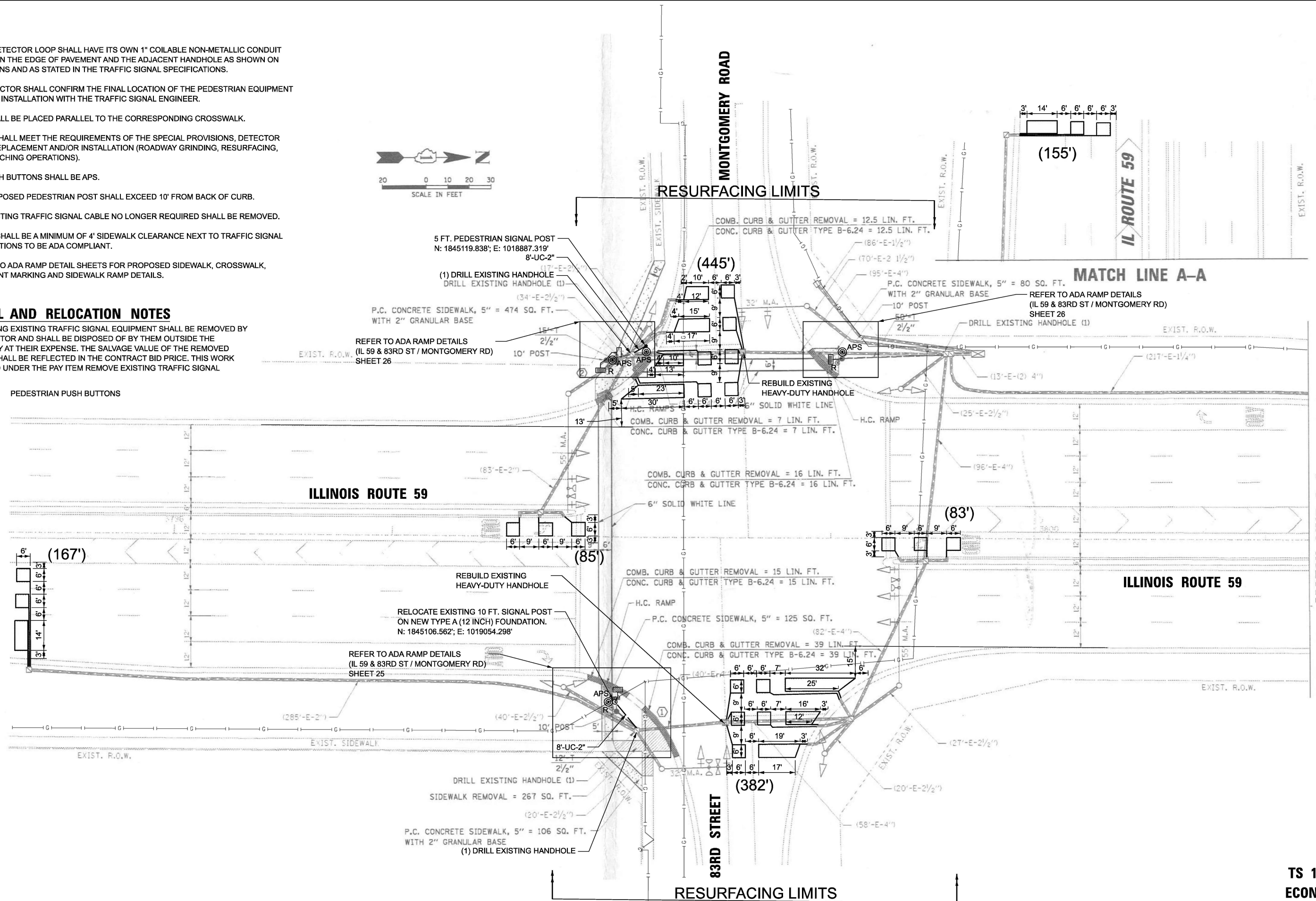
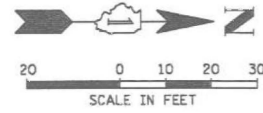
**NOTES**

- 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.
- CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
- APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
- ALL PUSH BUTTONS SHALL BE APS.
- NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10' FROM BACK OF CURB.
- ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
- THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
- REFER TO ADA RAMP DETAIL SHEETS FOR PROPOSED SIDEWALK, CROSSWALK, PAVEMENT MARKING AND SIDEWALK RAMP DETAILS.

**REMOVAL AND RELOCATION NOTES**

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT 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. THIS WORK SHALL BE PAID UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- EACH PEDESTRIAN PUSH BUTTONS



MODEL: Default  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

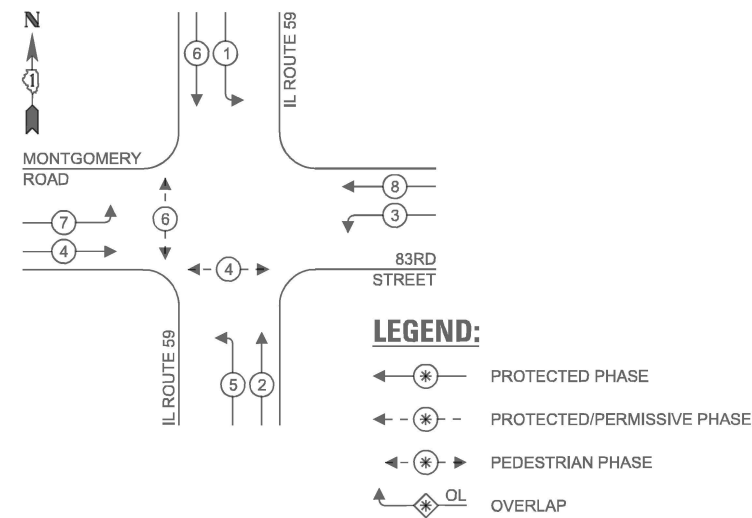
TRAFFIC SIGNAL MODERNIZATION PLAN  
ILLINOIS ROUTE 59 AND 83RD ST

SCALE: N.T.S. SHEET 3 OF 16 SHEETS STA. TO STA.

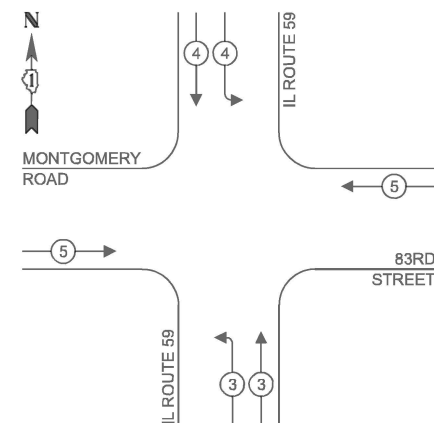
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B68	

TS 11970  
ECON 133

**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS**

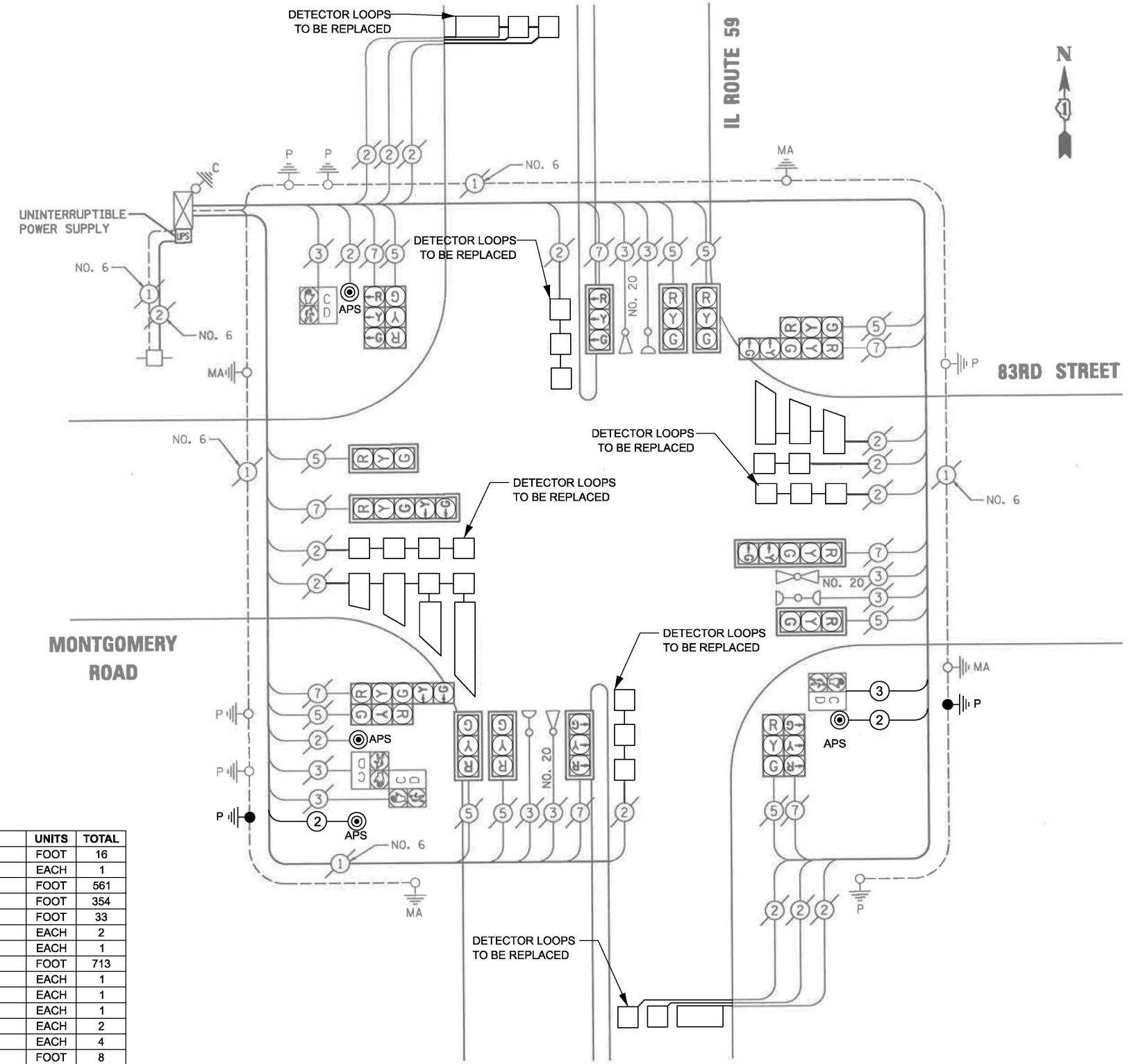
EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	14	11	154
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
<b>TOTAL UPS SIZING</b>		<b>441</b>	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
<b>TOTAL SERVICE WIRE SIZING</b>		<b>1,046</b>	

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	16
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	561
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	354
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	33
DRILL EXISTING HANDHOLE	EACH	2
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	713
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
DETECTOR LOOP REPLACEMENT	FOOT	1,317

ENERGY COSTS TO:  
 CITY OF AURORA  
 44 E DOWNER PLACE  
 AURORA, IL 60505

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT  
 PHONE: 866-639-3532  
 COMPANY: COMED  
 ACCOUNT NUMBER: 47401-82000  
 METER NUMBER: --



**CABLE PLAN**

NOTE:  
 THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS\* 11970  
 AURORA

**TS 11970  
 ECON 133**

MODEL: Default  
 FILE NAME: c:\pwworking\user\dms20760\180868-sh-t-traffic-signal-12.dgn



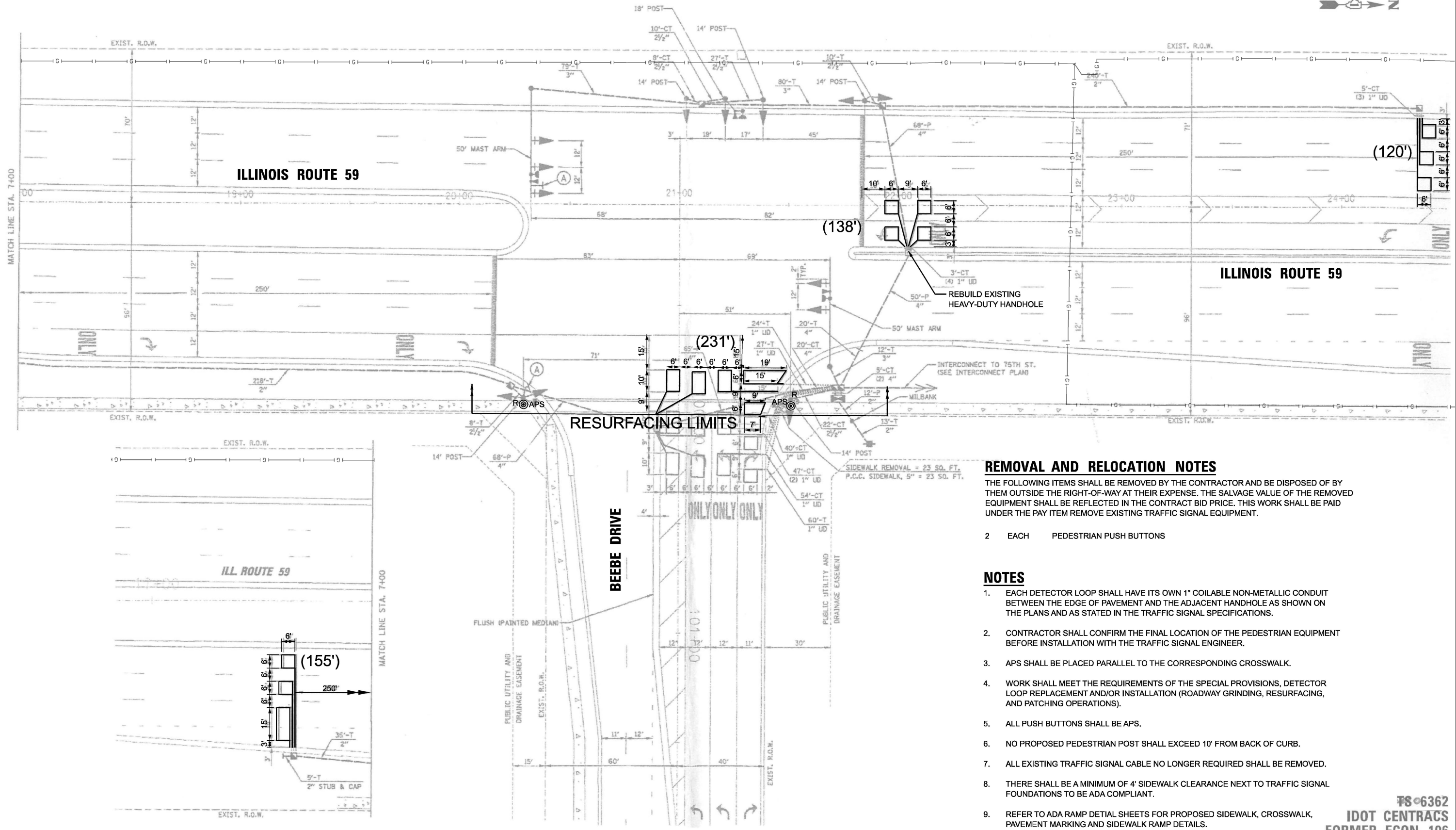
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PLOT SCALE = 100.000' / in.	DRAWN - NCB	REVISED -
PLOT DATE = 3/11/2026	CHECKED - MJL	REVISED -
	DATE - 3/11/2026	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE DIAGRAM, AND SCHEDULE OF QUANTITIES  
 ILLINOIS ROUTE 59 AND 83RD ST**

SCALE: N.T.S. SHEET 4 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	46
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B68	



**REMOVAL AND RELOCATION NOTES**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND 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. THIS WORK SHALL BE PAID UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- 2 EACH PEDESTRIAN PUSH BUTTONS

**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. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS.
6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10' FROM BACK OF CURB.
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
8. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
9. REFER TO ADA RAMP DETAIL SHEETS FOR PROPOSED SIDEWALK, CROSSWALK, PAVEMENT MARKING AND SIDEWALK RAMP DETAILS.

TS-6362  
 IDOT CENTRACS  
 FORMER ECON 106

MODEL: Default  
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USER NAME = nolan.hicks	DESIGNED - NCB	REVISED - NCB 03/11/2026
PLOT SCALE = 100.000' / in.	DRAWN - NCB	REVISED -
PLOT DATE = 3/11/2026	CHECKED - MJL	REVISED -
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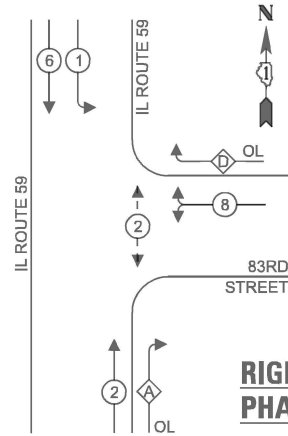
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN  
 ILLINOIS ROUTE 59 AND BEEBE DR

SCALE: N.T.S. SHEET 5 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	47
CONTRACT NO. 80B68			ILLINOIS FED. AID PROJECT	

**EXISTING & PROPOSED CONTROLLER SEQUENCE**

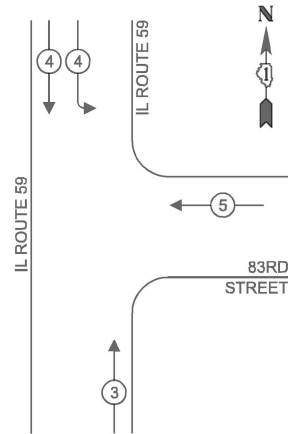


- LEGEND:**
- ← \* → PROTECTED PHASE
  - ← \* - - PROTECTED/PERMISSIVE PHASE
  - ← \* → PEDESTRIAN PHASE
  - ← \* OL → OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 + 8	
D	= 8 +	1

**EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS**

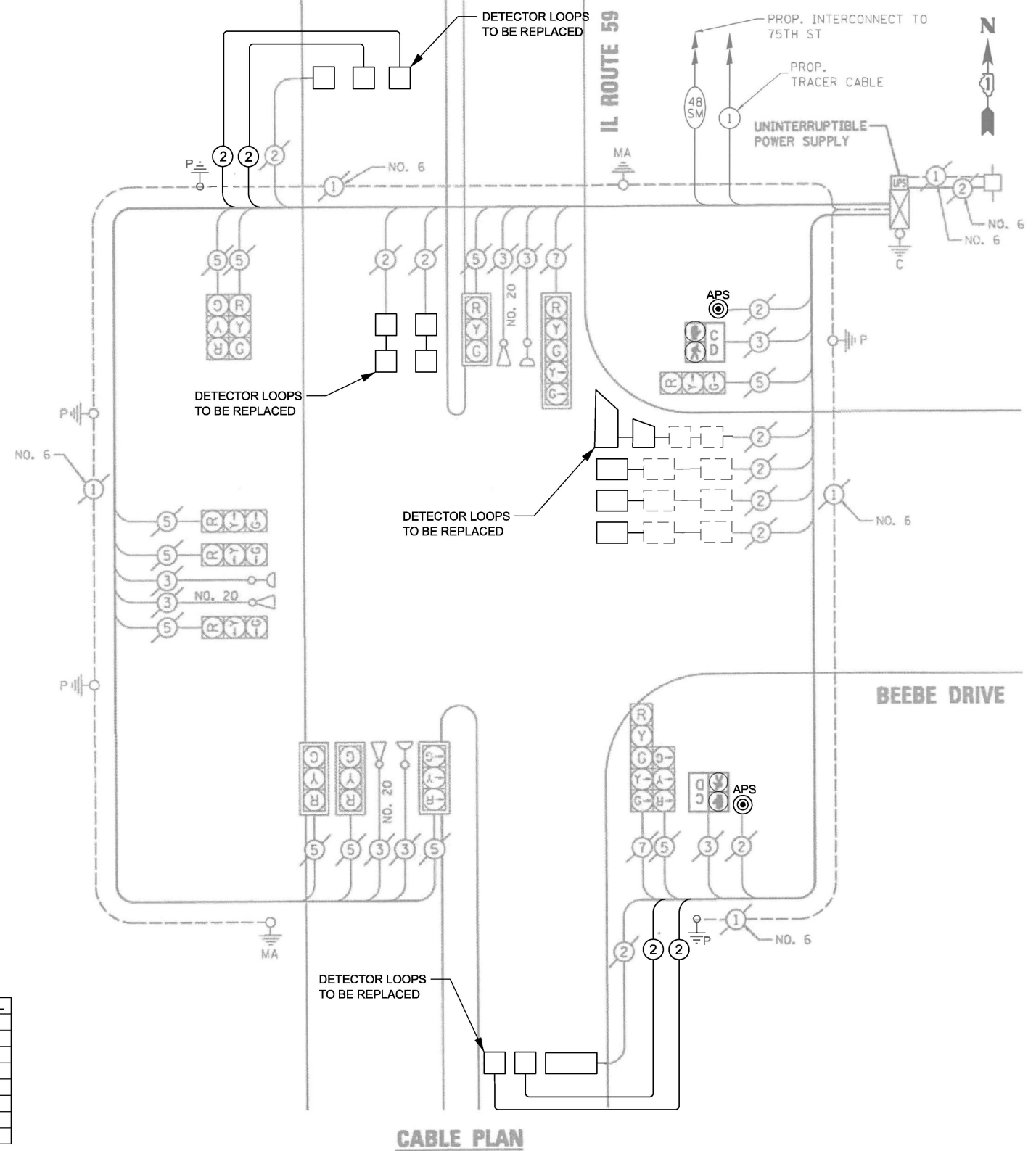
EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	11	11	121
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	2	15	30
MASTER CONTROLLER	1	150	150
UPS	-	25	-
DETECTION VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
<b>TOTAL UPS SIZING</b>		<b>327</b>	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
<b>TOTAL SERVICE WIRE SIZING</b>		<b>932</b>	

ENERGY COSTS TO:  
**CITY OF NAPERVILLE**  
 400 S EAGLE STREET,  
 NAPERVILLE, IL 60566.

ENERGY SUPPLY: CONTACT: ---  
 PHONE: 630-420-6059  
 COMPANY: NAPERVILLE ELECTRICITY  
 ACCOUNT NUMBER: 5165-131722  
 METER NUMBER: 15228343

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR	FOOT	1,724
INDUCTIVE LOOP DETECTOR	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
DETECTOR LOOP REPLACEMENT	FOOT	644
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



**CABLE PLAN**

MODEL: Default  
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USER NAME = nandan.baheti  
 DESIGNED - NCB  
 DRAWN - NCB  
 PLOT SCALE = 100.000' / in.  
 CHECKED - MJL  
 PLOT DATE = 3/11/2026  
 DATE - 3/11/2026

REVISED - NCB 03/11/2026  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE  
 PREEMPTION SEQUENCE DIAGRAM, AND SCHEDULE OF QUANTITIES  
 ILLINOIS ROUTE 59 AND BEEBE DR**

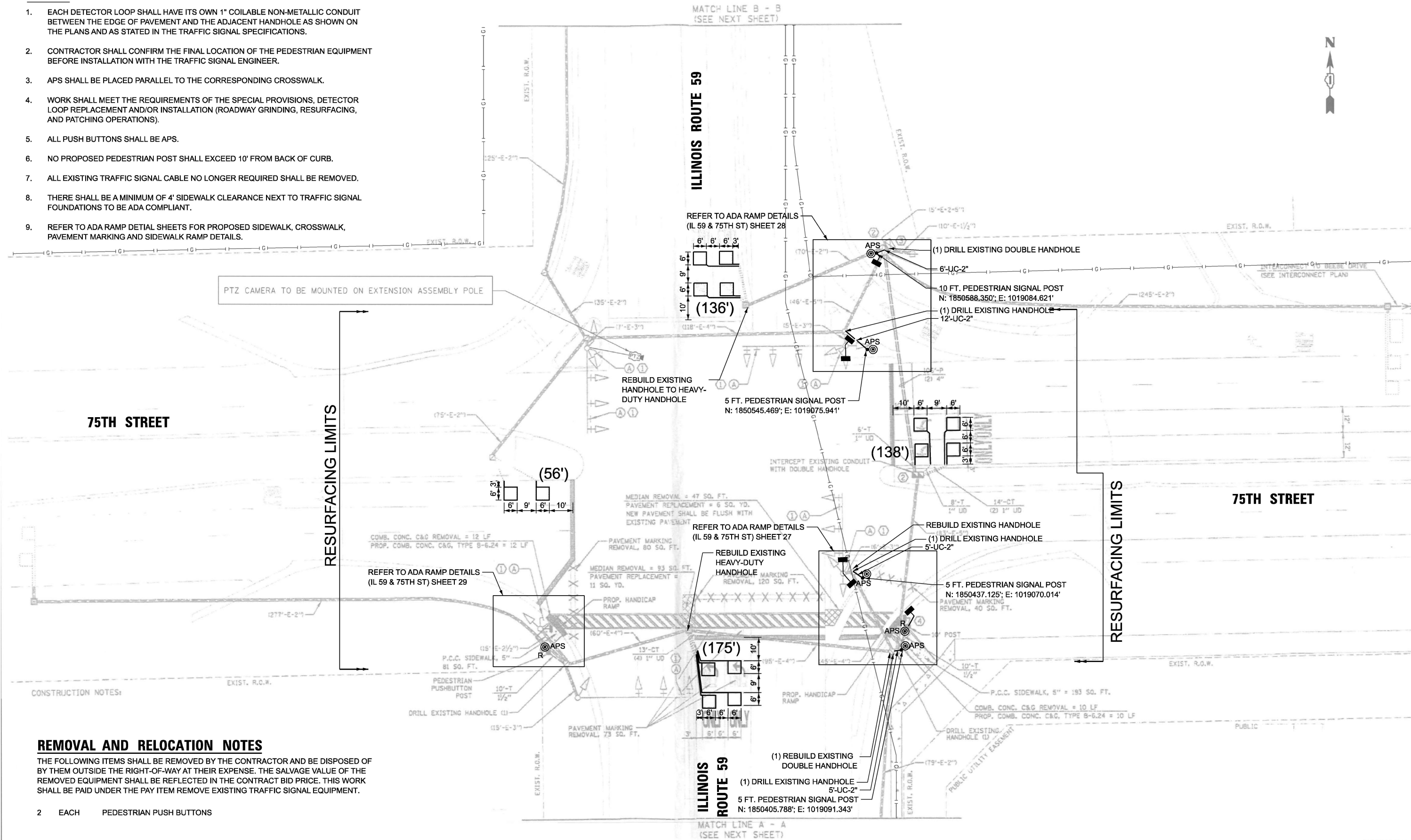
SCALE: N.T.S. SHEET 6 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	48
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B68	

**TS 6362  
 1807-CENTRACS  
 FORMER ECON 106**

**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. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS.
6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10' FROM BACK OF CURB.
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
8. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
9. REFER TO ADA RAMP DETAIL SHEETS FOR PROPOSED SIDEWALK, CROSSWALK, PAVEMENT MARKING AND SIDEWALK RAMP DETAILS.



**REMOVAL AND RELOCATION NOTES**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND 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. THIS WORK SHALL BE PAID UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- 2 EACH PEDESTRIAN PUSH BUTTONS

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PLOT DATE = 3/11/2026

DESIGNED - NCB  
DRAWN - NCB  
CHECKED - MJL  
DATE - 3/11/2026

REVISED - NCB 03/10/2026  
REVISED -  
REVISED -  
REVISED -

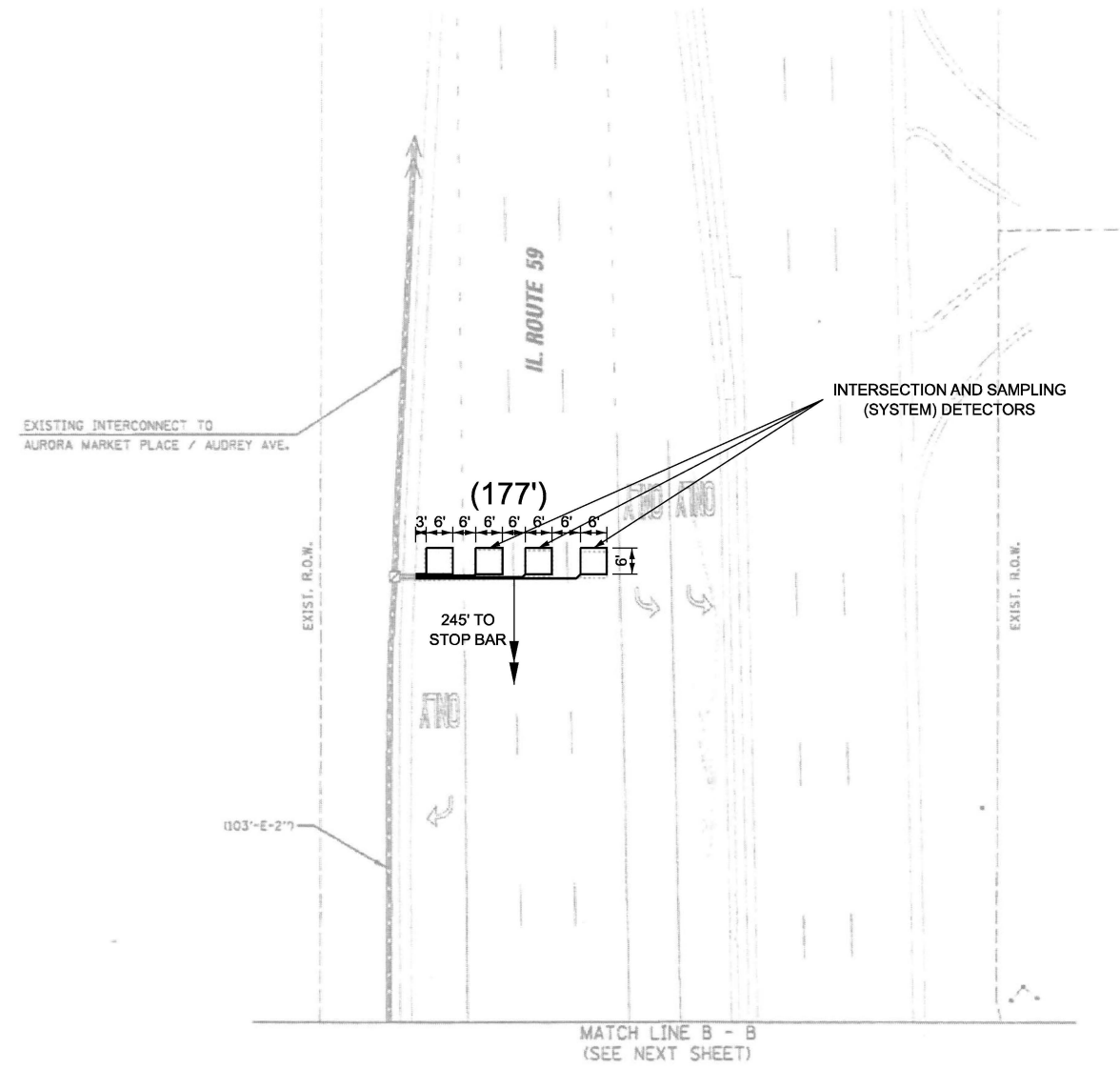
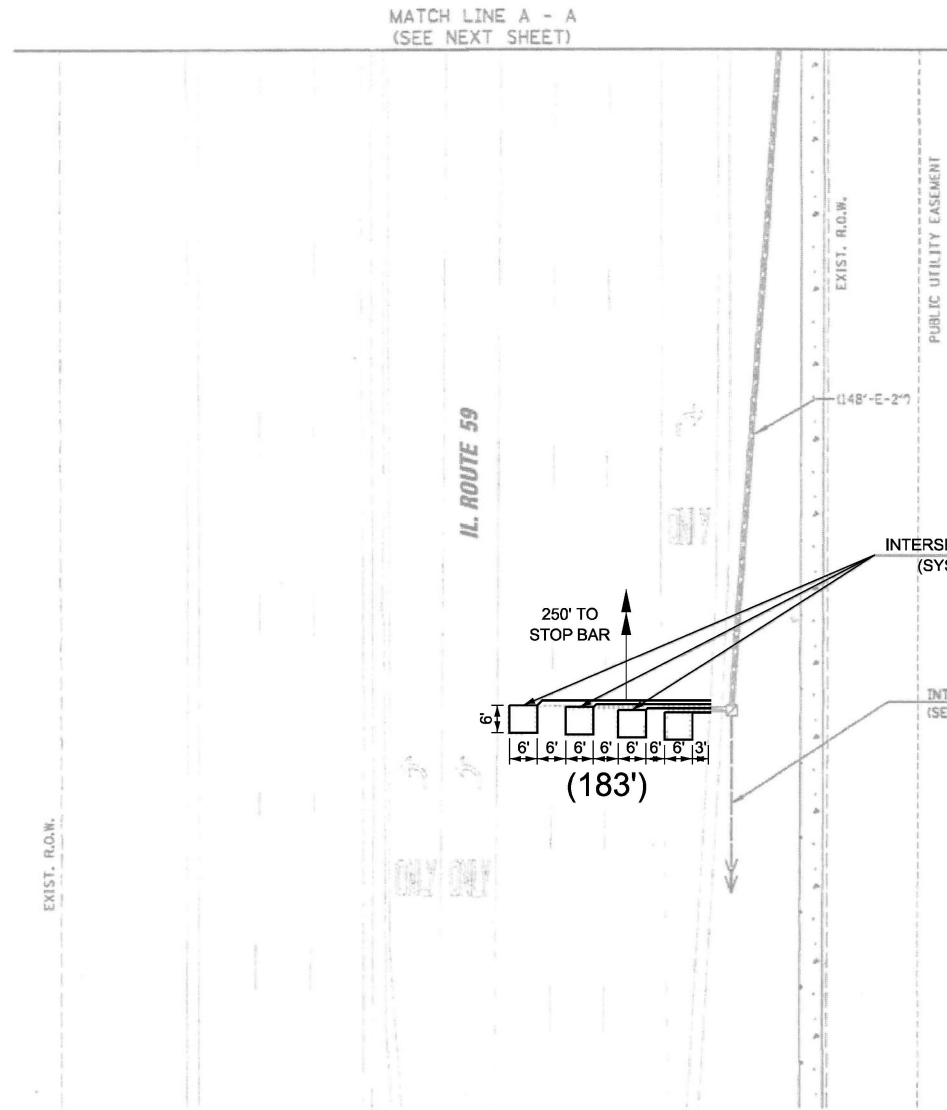
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN  
ILLINOIS ROUTE 59 AND 75TH ST

SCALE: N.T.S. SHEET 7 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	49
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B68	

TS 6360  
IDOT CENTRACS  
FORMER ECON 106



MODEL: Default  
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USER NAME = dominguez1	DESIGNED - NCB	REVISED -
	DRAWN - NCB	REVISED -
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PLOT DATE = 1/30/2026	DATE - 1/30/2026	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

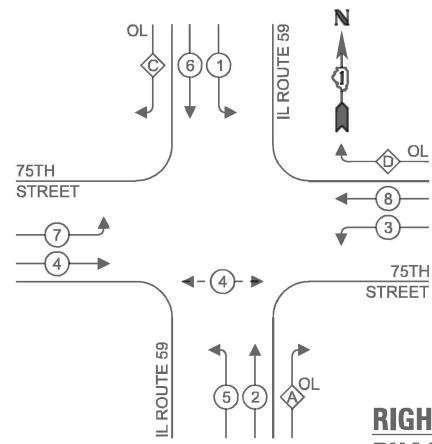
TRAFFIC SIGNAL MODERNIZATION PLAN  
ILLINOIS ROUTE 59 AND 75TH ST

SCALE: N.T.S. SHEET 8 OF 16 SHEETS STA. TO STA.

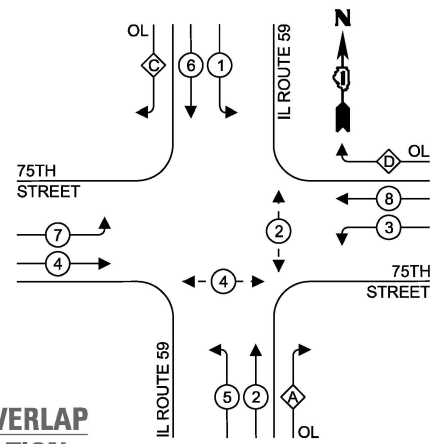
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	50
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

TS 6360  
IDOT CENTRACS  
FORMER ECON 106

**EXISTING CONTROLLER SEQUENCE**



**PROPOSED CONTROLLER SEQUENCE**



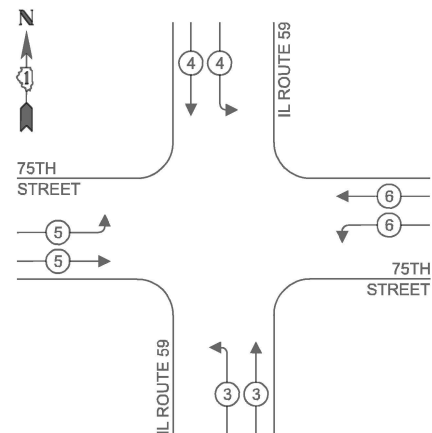
**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7
D	= 8	+ 1

**LEGEND:**

- ← \* → PROTECTED PHASE
- ← \* - PROTECTED/PERMISSIVE PHASE
- ← \* → PEDESTRIAN PHASE
- ← OL → OVERLAP

**EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	6	13	78
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	-	100	-
DETECTION VIDEO	1	25	25
BLANK-OUT SIGN	-	20	-
NETWORK SWITCH II OR III	-	25	-
CELLULAR MODEM	-	35	-
PTZ CAMERA	-	15	-
	-	75	-
<b>TOTAL UPS SIZING</b>			<b>549</b>
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
<b>TOTAL SERVICE WIRE SIZING</b>			<b>1,154</b>

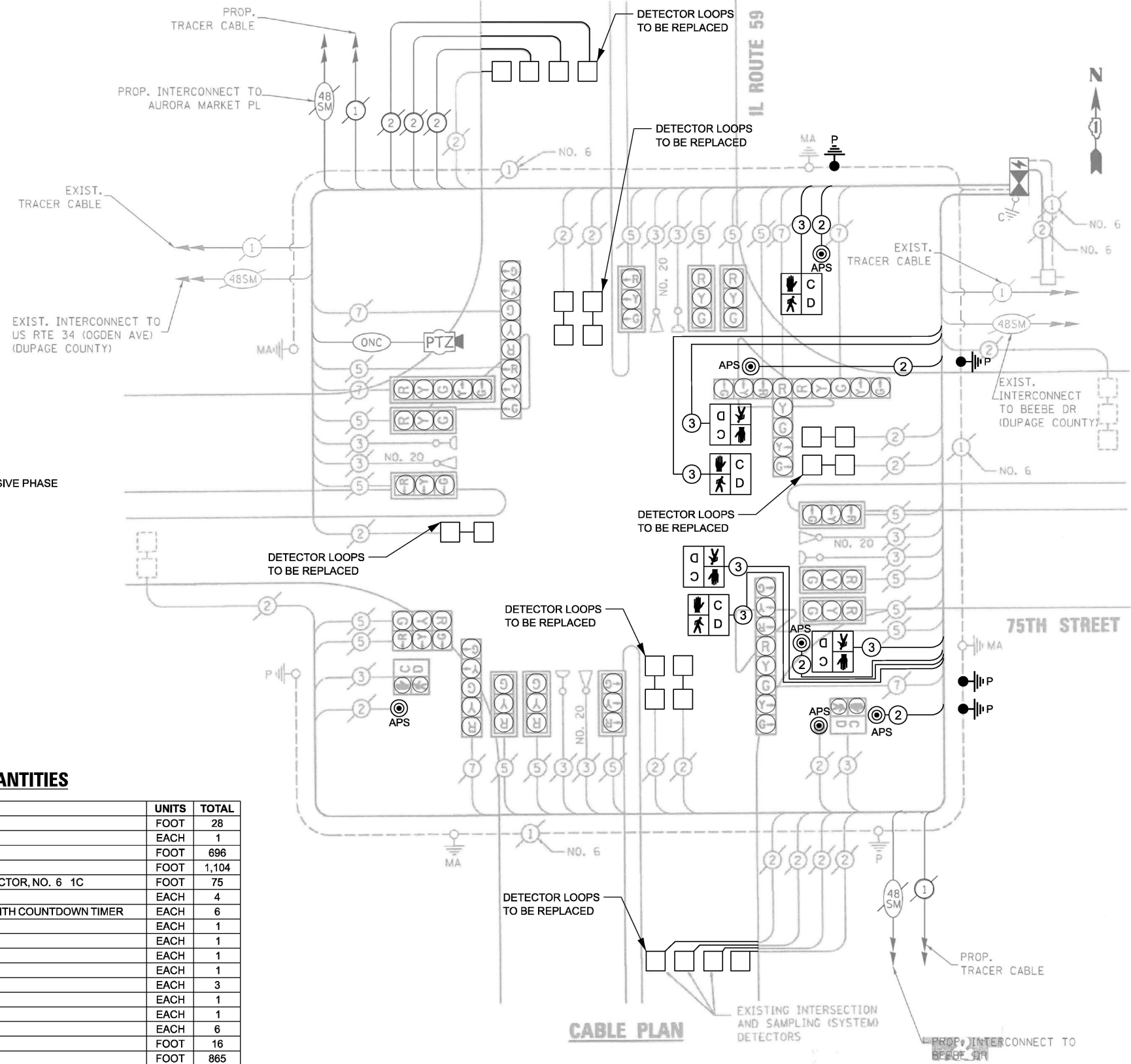
**ENERGY COSTS TO:**

ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 W CENTER CT  
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT  
PHONE: 866-639-3532  
COMPANY: COMED  
ACCOUNT NUMBER: 01320-82074  
METER NUMBER: --

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	28
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	696
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,104
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	75
DRILL EXISTING HANDHOLE	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	1
REBUILD EXISTING DOUBLE HANDHOLE	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
DETECTOR LOOP REPLACEMENT	FOOT	865
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



**CABLE PLAN**

MODEL: Default  
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DESIGNED - NCB  
DRAWN - NCB  
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CHECKED - MJL  
PLOT DATE = 3/11/2026

REVISOR - NCB 03/11/2026  
REVISOR - NCB  
REVISOR - MJL  
REVISOR -

DATE - 3/11/2026  
REVISOR -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE DIAGRAM, AND SCHEDULE OF QUANTITIES ILLINOIS ROUTE 59 AND 75TH ST**

SCALE: N.T.S. SHEET 9 OF 16 SHEETS STA. TO STA.

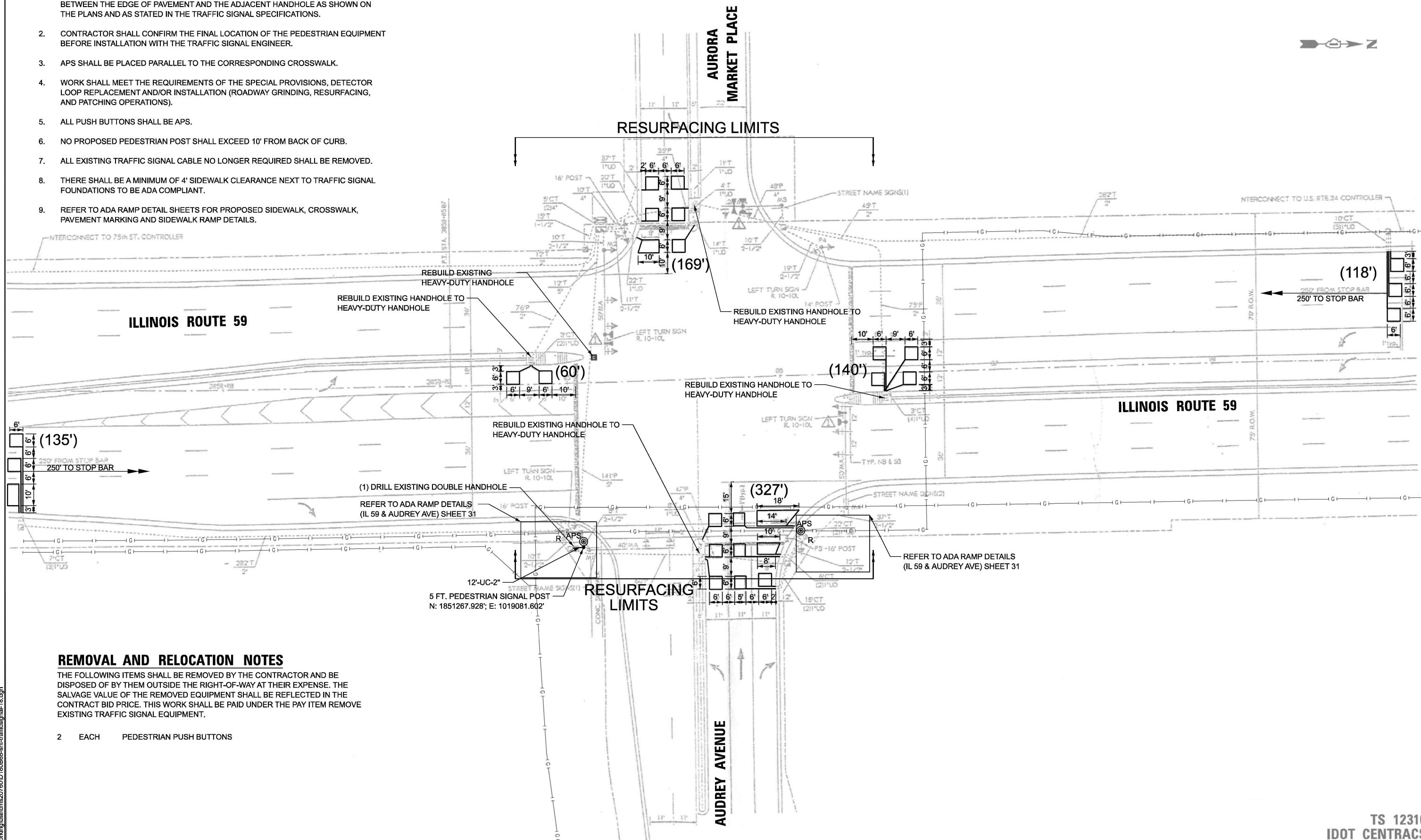
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	51

CONTRACT NO. 80B68  
ILLINOIS FED. AID PROJECT

**TS 6360 IDOT CENTRACS FORMER ECON 106**

**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. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS.
6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10' FROM BACK OF CURB.
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
8. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
9. REFER TO ADA RAMP DETAIL SHEETS FOR PROPOSED SIDEWALK, CROSSWALK, PAVEMENT MARKING AND SIDEWALK RAMP DETAILS.



**REMOVAL AND RELOCATION NOTES**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND 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. THIS WORK SHALL BE PAID UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- 2 EACH PEDESTRIAN PUSH BUTTONS

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	DATE - 3/11/2026	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN  
ILLINOIS ROUTE 59 AND AUDREY AVE

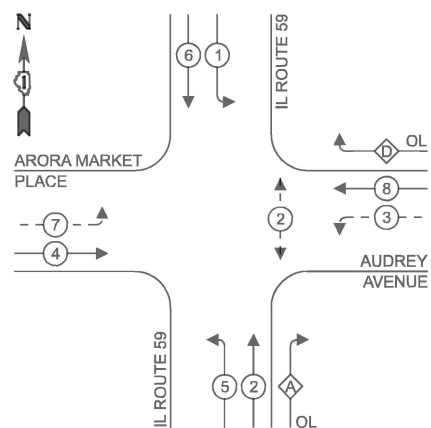
SCALE: N.T.S. SHEET 10 OF 16 SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY DUPAGE	TOTAL SHEETS 69	SHEET NO. 52
ILLINOIS			FED. AID PROJECT	

TS 12310  
IDOT CENTRACS  
FORMER ECON 106

CONTRACT NO. 80B68
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**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



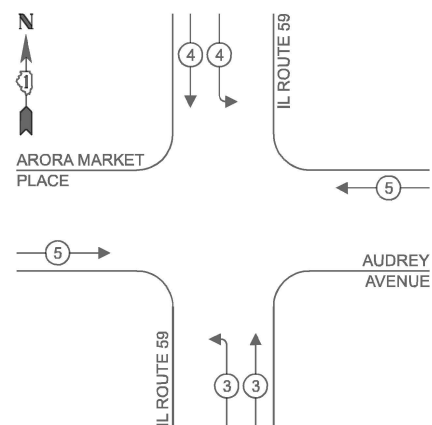
**LEGEND:**

- ← \* → PROTECTED PHASE
- ← \* - - PROTECTED/PERMISSIVE PHASE
- ← \* → PEDESTRIAN PHASE
- ← \* OL → OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
D	= 8	+ 1

**EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



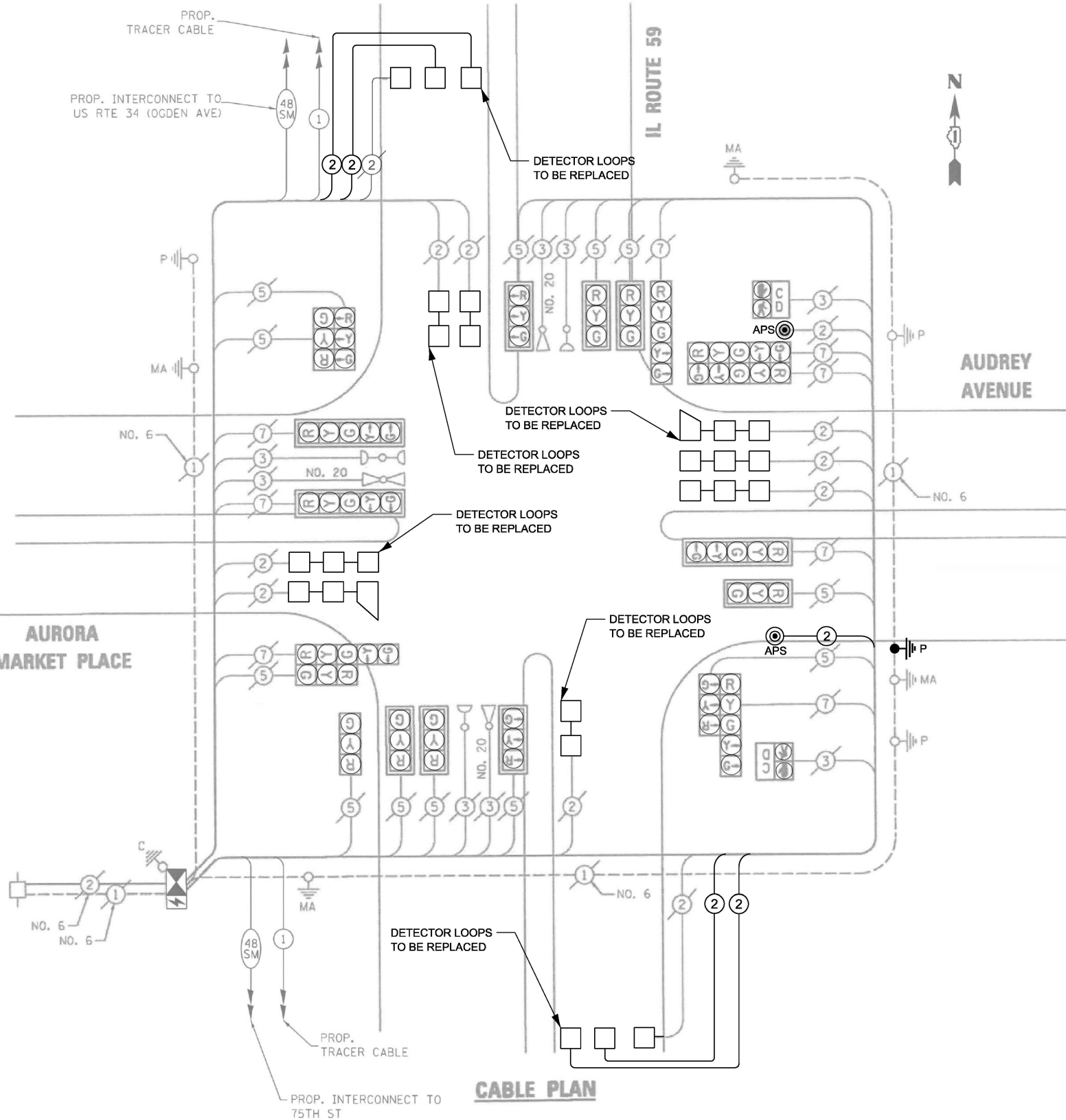
**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	12
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	206
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR	FOOT	1,765
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	27
DRILL EXISTING HANDHOLE	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	4
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	204
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	4
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
DETECTOR LOOP REPLACEMENT	FOOT	949
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

**ENERGY COSTS TO:**

**CITY OF NAPERVILLE**  
400 S EAGLE STREET  
NAPERVILLE, IL 60566

**ENERGY SUPPLY:** CONTACT: NEW BUSINESS DEPARTMENT  
PHONE: 866-639-3532  
COMPANY: COMED  
ACCOUNT NUMBER: 07126-62222  
METER NUMBER: 272426811



**CABLE PLAN**

MODEL: Default  
FILE NAME: c:\pwworking\user\dms20760\180868-shht-traffic-signal-19.dgn

**TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	2	15	30
MASTER CONTROLLER	1	150	150
UPS	-	100	-
DETECTION VIDEO	1	25	25
BLANK-OUT SIGN	-	20	-
NETWORK SWITCH II OR III	-	25	-
CELLULAR MODEM	-	35	-
PTZ CAMERA	-	15	-
	-	75	-
<b>TOTAL UPS SIZING</b>		<b>441</b>	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
<b>TOTAL SERVICE WIRE SIZING</b>		<b>1,046</b>	



USER NAME = nolan.hicks  
DESIGNED - NCB  
DRAWN - NCB  
PLOT SCALE = 100.000' / in.  
CHECKED - MJL  
PLOT DATE = 3/11/2026

REVISÉ - NCB 03/11/2026  
REVISÉ -  
REVISÉ -  
DATE - 3/11/2026

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE DIAGRAM, AND SCHEDULE OF QUANTITIES ILLINOIS ROUTE 59 AND AUDREY AVE**

SCALE: N.T.S. SHEET 11 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	53

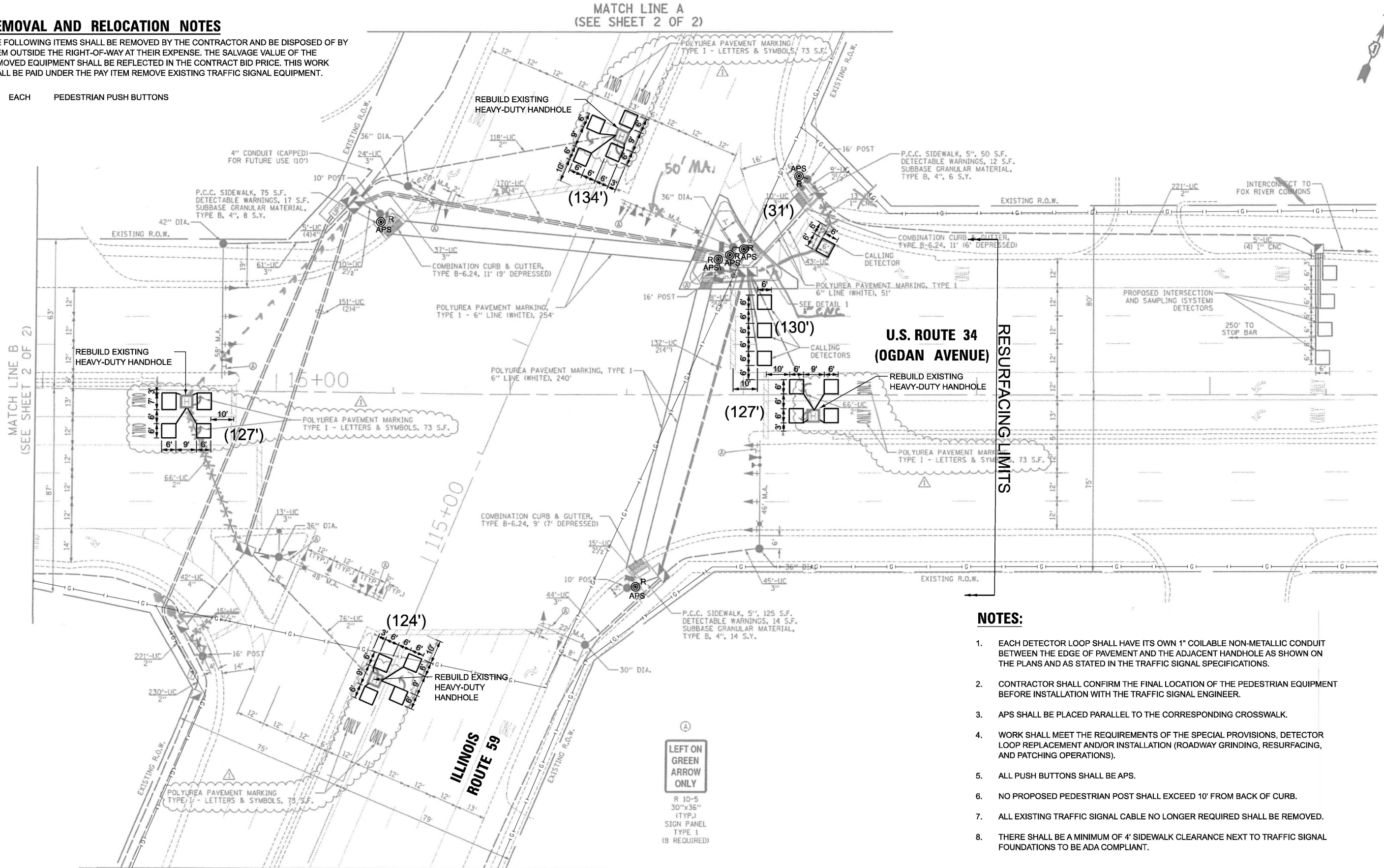
CONTRACT NO. 80B68  
ILLINOIS FED. AID PROJECT

**TS 12310 IDOT CENTRACS FORMER ECON 106**

**REMOVAL AND RELOCATION NOTES**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND 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. THIS WORK SHALL BE PAID UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

6 EACH PEDESTRIAN PUSH BUTTONS



**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. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS.
6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10' FROM BACK OF CURB.
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
8. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.

**TS 6090**  
**IDOT CENTRACS**  
**FORMER ECON 106** TS #6090

MODEL: Default  
 FILE NAME: c:\pwworking\usidms20760\180868-shit-traffic\signal-20.dgn

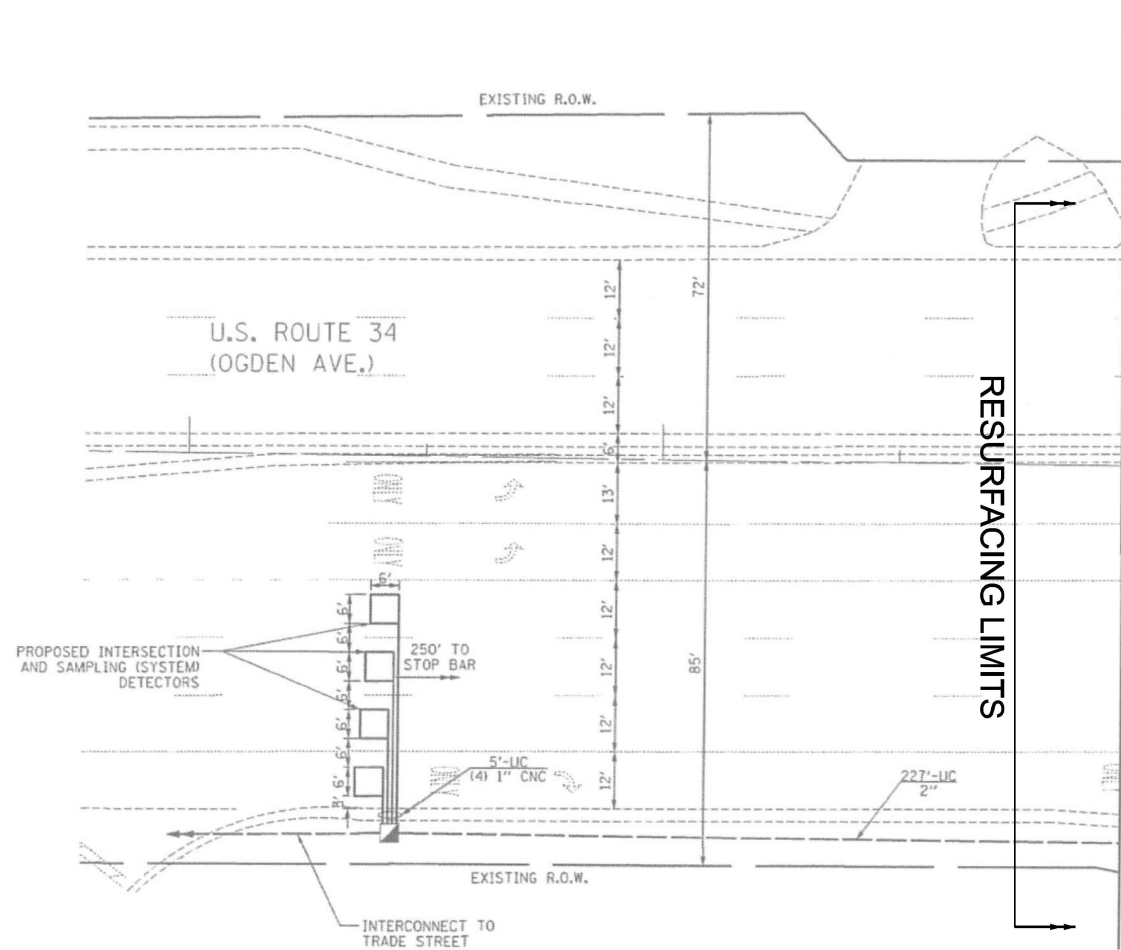


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PLOT SCALE = 100.000' / in.	DRAWN - NCB	REVISED -
PLOT DATE = 3/11/2026	CHECKED - MJL	REVISED -
	DATE - 3/11/2026	REVISED -

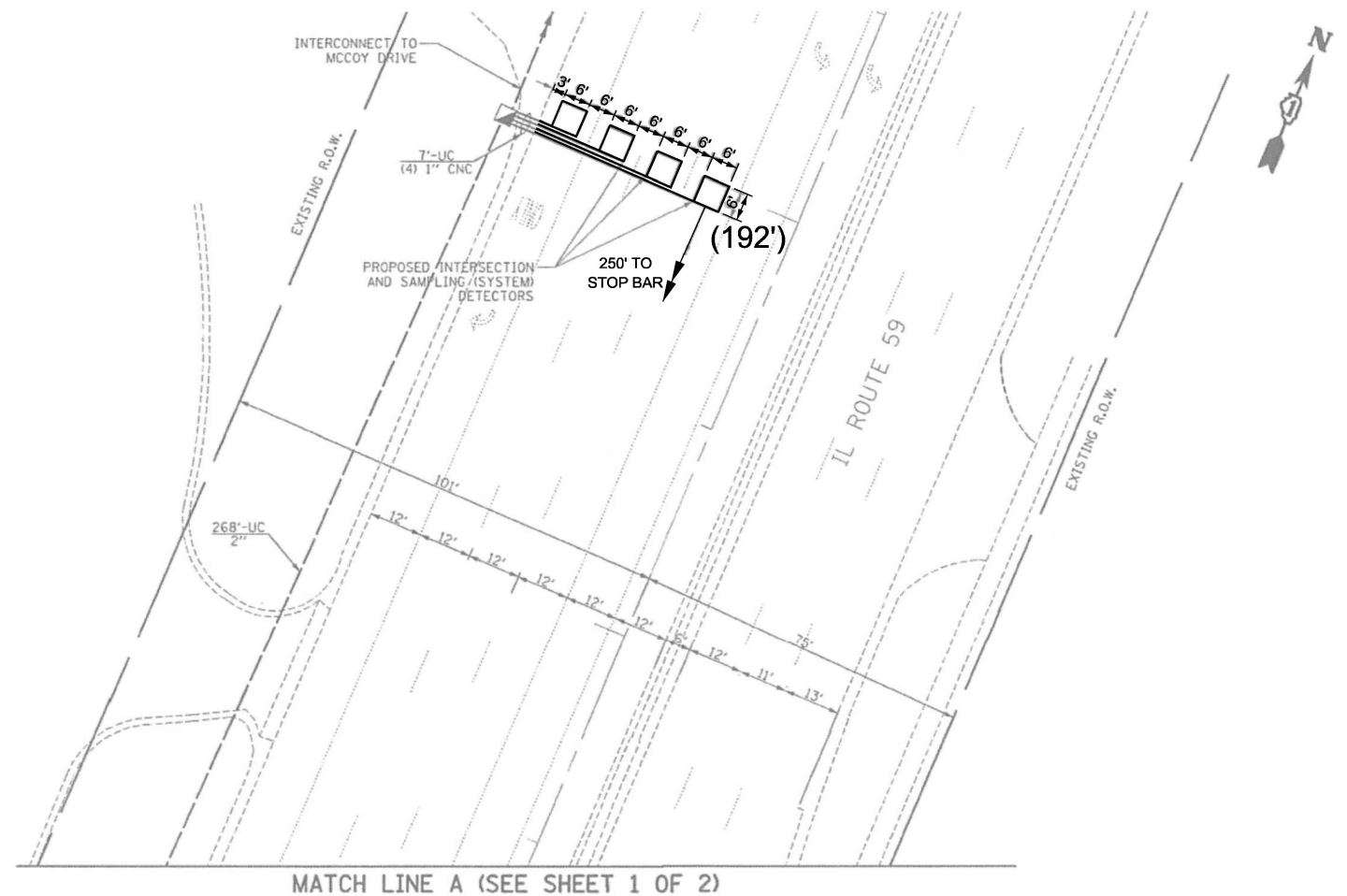
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN**  
**ILLINOIS ROUTE 59 AND US RTE 34 (OGDEN AVE)**  
 SCALE: N.T.S. SHEET 12 OF 16 SHEETS STA. TO STA.

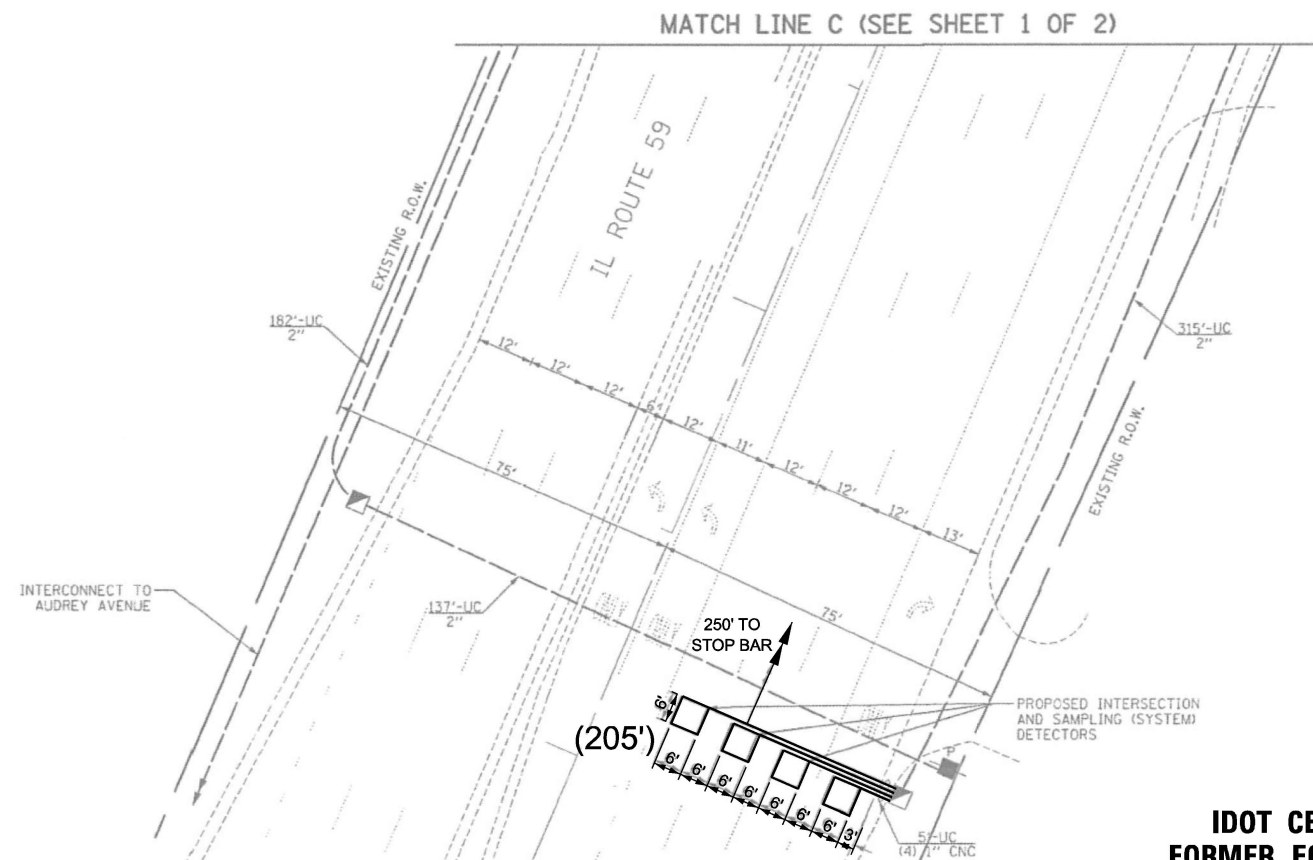
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	54
CONTRACT NO. 80B68			ILLINOIS FED. AID PROJECT	



MATCH LINE B  
(SEE SHEET 1 OF 2)



MATCH LINE A (SEE SHEET 1 OF 2)



MATCH LINE C (SEE SHEET 1 OF 2)

**TS 6090**  
**IDOT CENTRACS**  
**FORMER ECON 106 TS #6090**

MODEL: Default  
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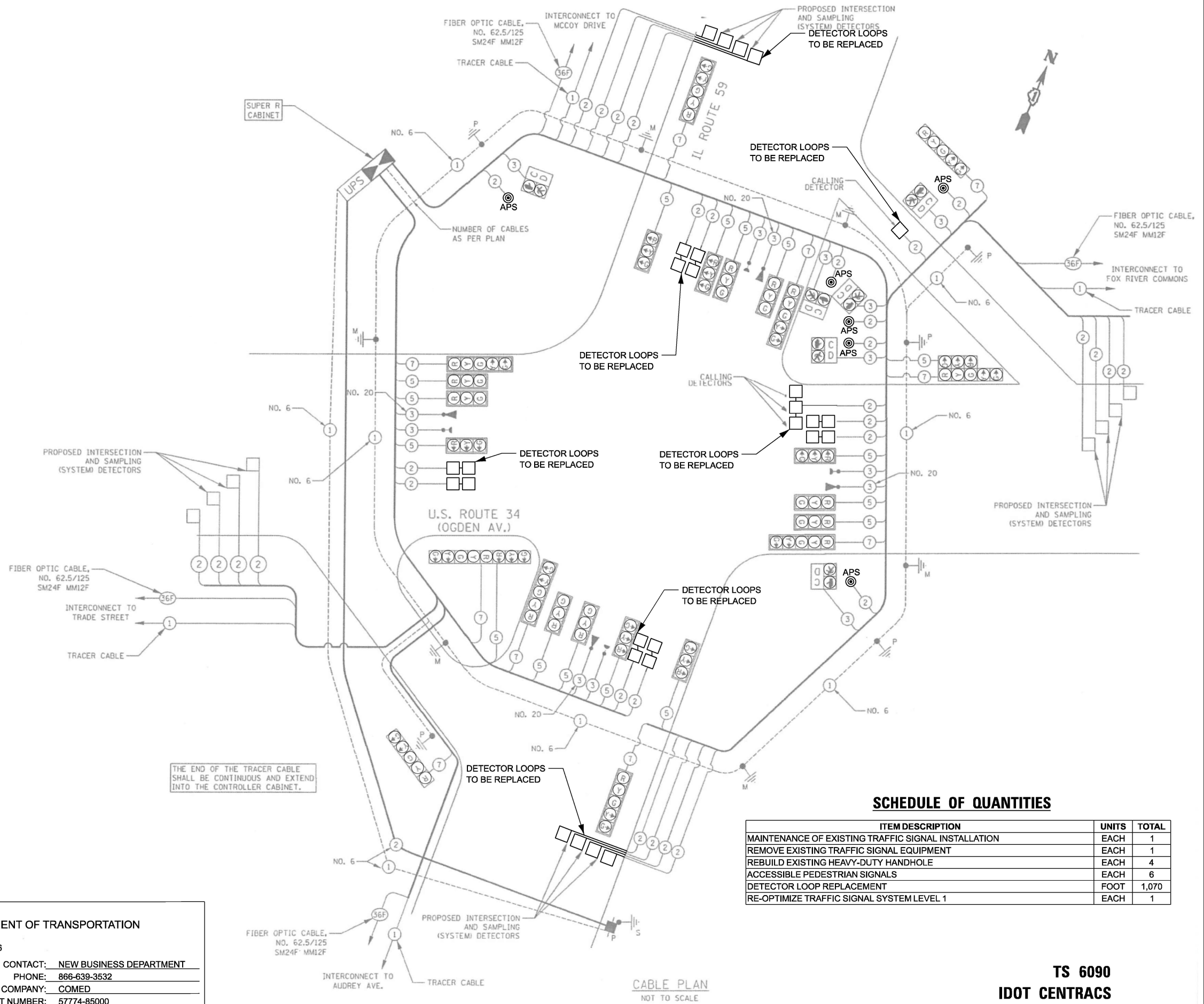
USER NAME = dominguez1	DESIGNED - NCB	REVISED -
PLOT SCALE = 100.000' / in.	DRAWN - NCB	REVISED -
PLOT DATE = 1/30/2026	CHECKED - MJL	REVISED -
	DATE - 1/30/2026	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN**  
**ILLINOIS ROUTE 59 AND US RTE 34 (OGDEN AVE)**

SCALE: N.T.S. SHEET 13 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	55
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B68	



**TRAFFIC SIGNAL  
ELECTRIC SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	16	11	176
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	6	15	90
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
<b>TOTAL UPS SIZING</b>		<b>571</b>	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
<b>TOTAL SERVICE WIRE SIZING</b>		<b>1,176</b>	

ENERGY COSTS TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 W CENTER CT  
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT  
PHONE: 866-639-3532  
COMPANY: COMED  
ACCOUNT NUMBER: 57774-85000  
METER NUMBER: 272433599

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
DETECTOR LOOP REPLACEMENT	FOOT	1,070
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

MODEL: Default  
FILE NAME: c:\pwworking\aes\dm20760\180868-shr-traffic-signal-22.dgn



USER NAME = nolan.hicks  
DESIGNED - NCB  
DRAWN - NCB  
CHECKED - MJL  
DATE - 3/11/2026

REVISÉ - NCB 03/11/2026  
REVISÉ -  
REVISÉ -  
REVISÉ -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

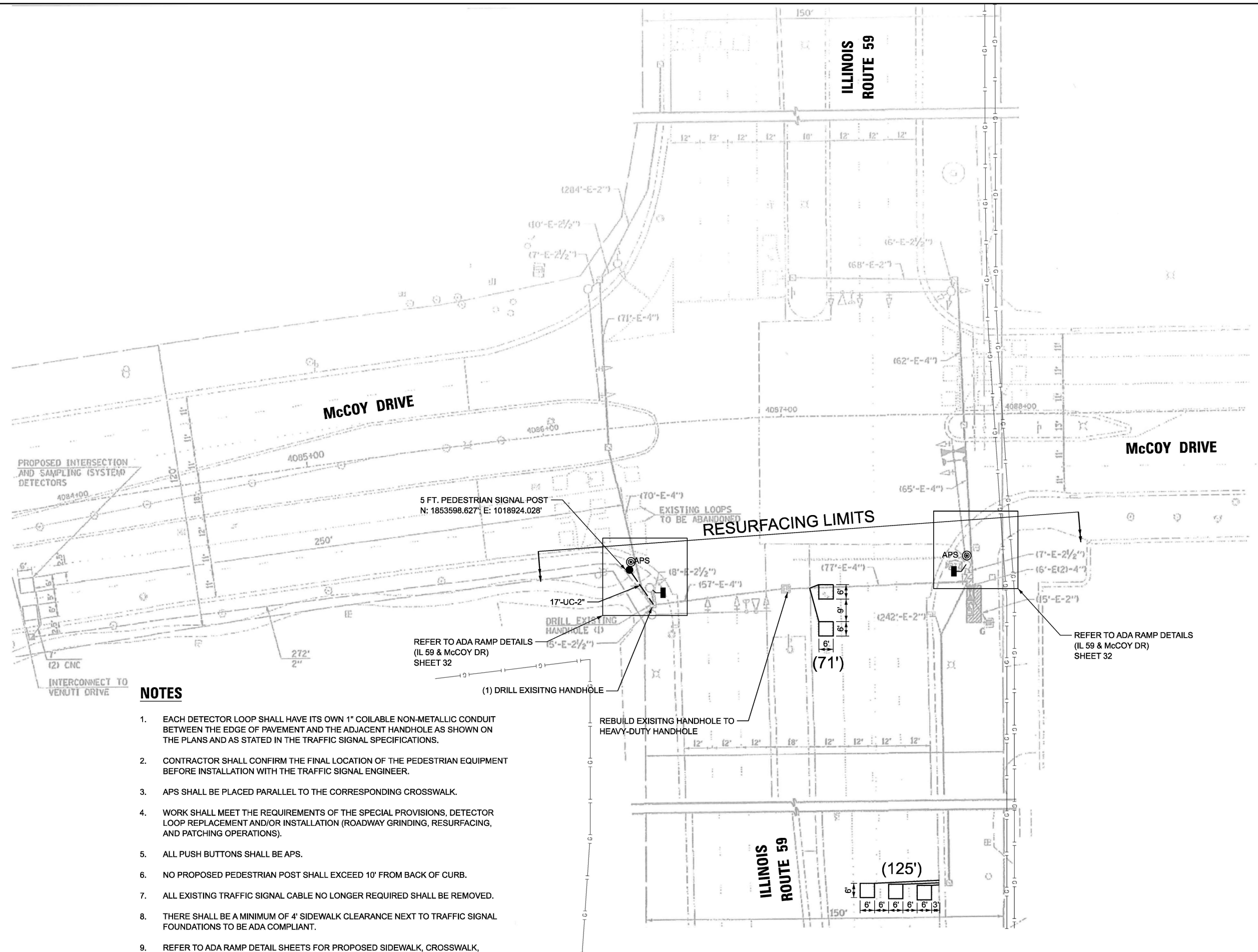
**CABLE PLAN AND SCHEDULE OF QUANTITIES  
ILLINOIS ROUTE 59 AND US RTE 34 (OGDEN AVE)**

SCALE: N.T.S. SHEET 14 OF 16 SHEETS STA. TO STA.

**TS 6090  
IDOT CONTRACS  
FORMER ECON 106**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	56

CONTRACT NO. 80B68  
ILLINOIS FED. AID PROJECT



PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

McCOY DRIVE

McCOY DRIVE

ILLINOIS ROUTE 59

ILLINOIS ROUTE 59

**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. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS.
6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10' FROM BACK OF CURB.
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
8. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
9. REFER TO ADA RAMP DETAIL SHEETS FOR PROPOSED SIDEWALK, CROSSWALK, PAVEMENT MARKING AND SIDEWALK RAMP DETAILS.

REFER TO ADA RAMP DETAILS (IL 59 & McCOY DR) SHEET 32

REFER TO ADA RAMP DETAILS (IL 59 & McCOY DR) SHEET 32

REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE

MODEL: Default  
FILE NAME: c:\pwworking\usidms20760\180688-sh-t-traffic-signal-23.dgn



USER NAME = nolan.hicks	DESIGNED - NCB	REVISED - NCB 03/10/2026
PLOT SCALE = 100.000' / in.	DRAWN - NCB	REVISED -
PLOT DATE = 3/11/2026	CHECKED - MJL	REVISED -
	DATE - 3/11/2026	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

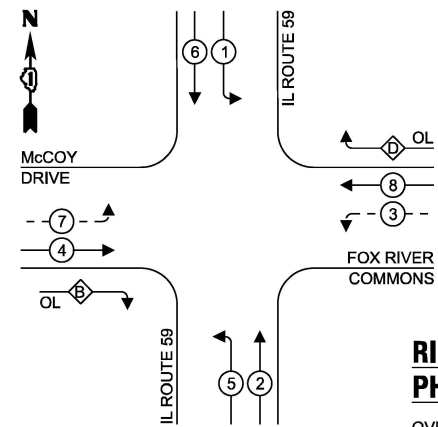
TRAFFIC SIGNAL MODERNIZATION PLAN  
ILLINOIS ROUTE 59 AND McCOY DRIVE

SCALE: N.T.S. SHEET 15 OF 16 SHEETS STA. TO STA.

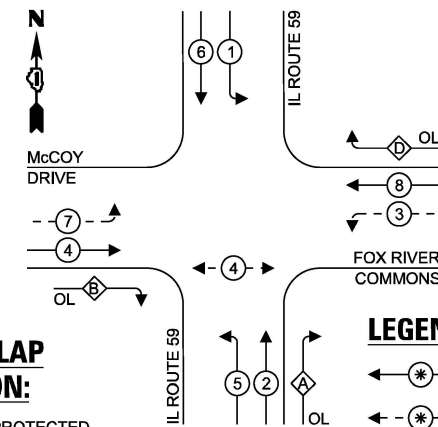
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	57
CONTRACT NO. 80B68				
ILLINOIS FED. AID PROJECT				

TS 6089  
IDOT CENTRACS  
FORMER ECON 106

**EXISTING CONTROLLER SEQUENCE**



**PROPOSED CONTROLLER SEQUENCE**



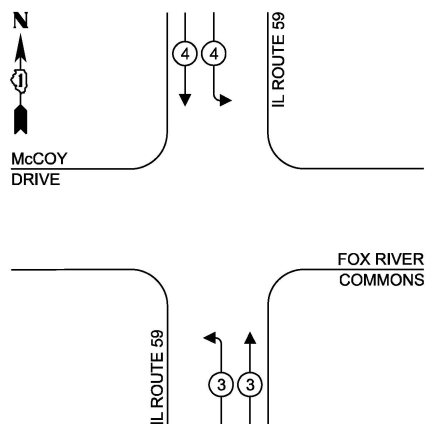
**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
D	= 8	+ 1

**LEGEND:**

- ← \* → PROTECTED PHASE
- ← \* - - PROTECTED/PERMISSIVE PHASE
- ← \* → PEDESTRIAN PHASE
- ← \* OL → OVERLAP

**EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRIC SERVICE REQUIREMENTS**

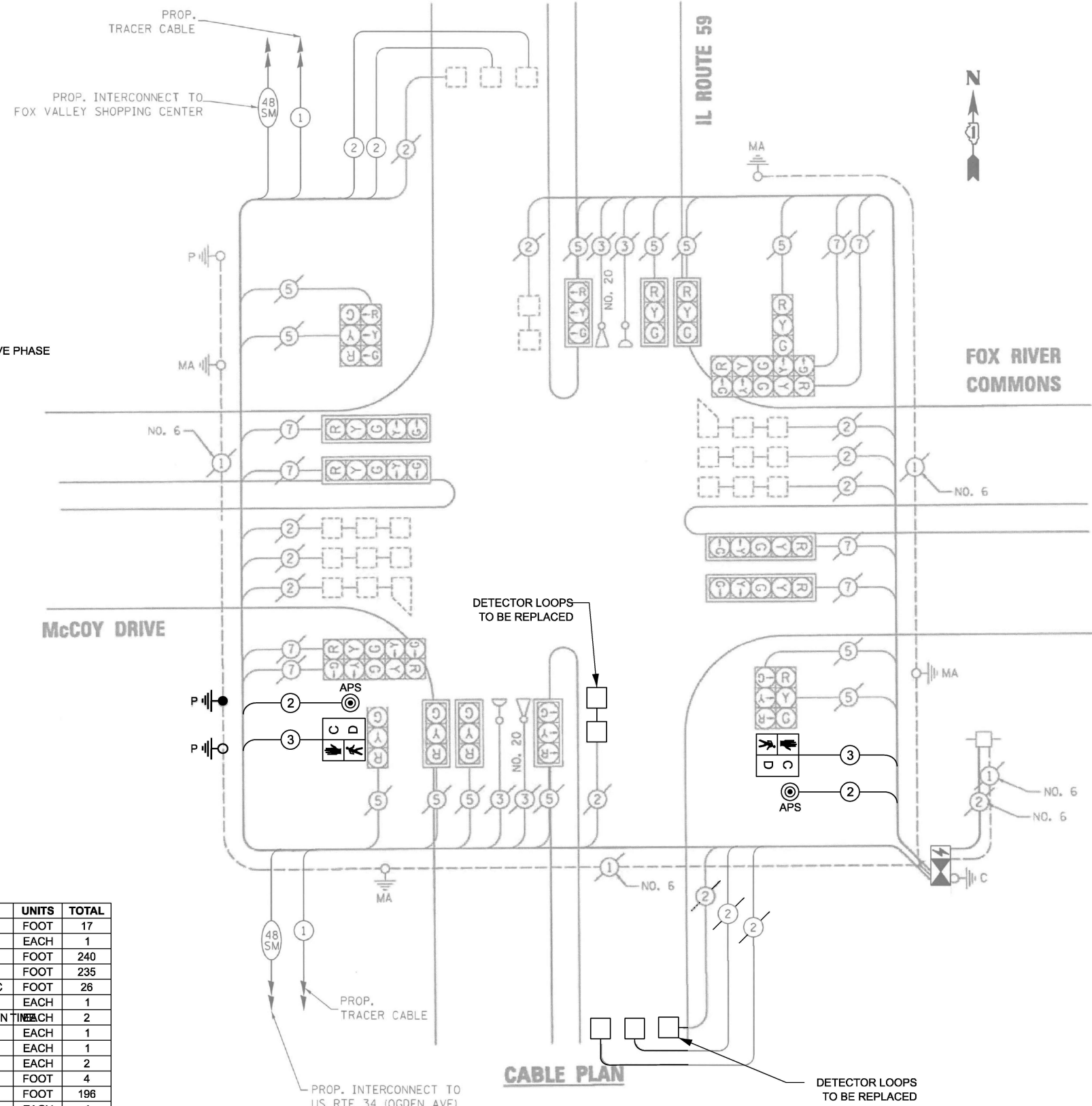
EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	2	15	30
MASTER CONTROLLER	1	150	150
UPS	-	100	-
DETECTION VIDEO	1	25	25
BLANK-OUT SIGN	-	20	-
NETWORK SWITCH II OR III	-	25	-
CELLULAR MODEM	-	35	-
PTZ CAMERA	-	15	-
	-	75	-
<b>TOTAL UPS SIZING</b>			<b>441</b>
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
<b>TOTAL SERVICE WIRE SIZING</b>			<b>1,046</b>

ENERGY COSTS TO:  
CITY OF AURORA  
44 E DOWNER PLACE  
AURORA, IL 60505

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT  
PHONE: 866-639-3532  
COMPANY: COMED  
ACCOUNT NUMBER: 47401-82000  
METER NUMBER: -

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	17
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	240
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	235
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	26
DRILL EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
DETECTOR LOOP REPLACEMENT	FOOT	196
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



MODEL: Default  
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USER NAME = nolan.hicks  
DESIGNED - NCB  
DRAWN - NCB  
PLOT SCALE = 1/100,000" / in.  
CHECKED - MJL  
PLOT DATE = 3/11/2026

REVISOR - NCB 03/11/2026  
REVISOR - NCB  
REVISOR - MJL  
DATE - 3/11/2026

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

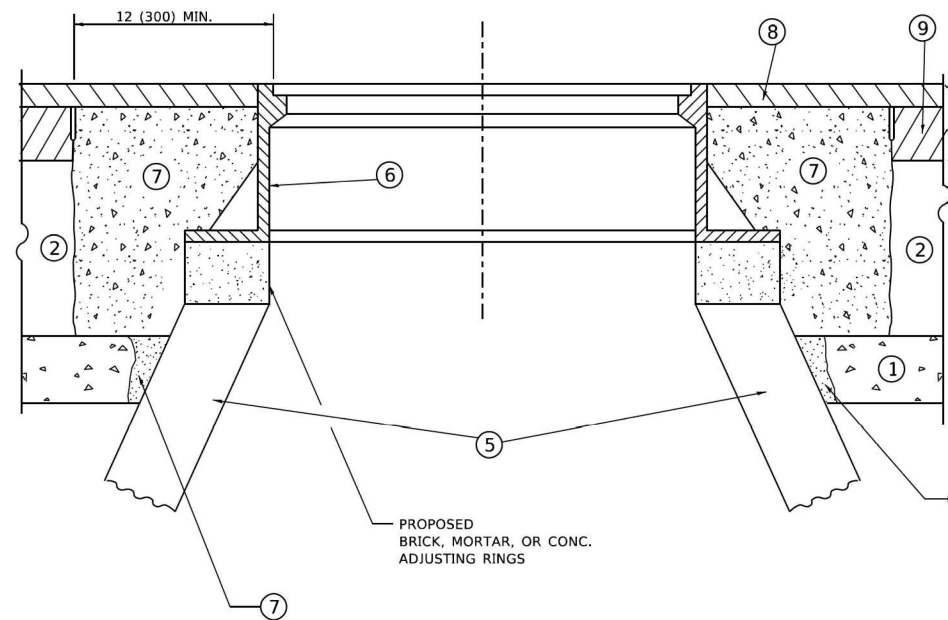
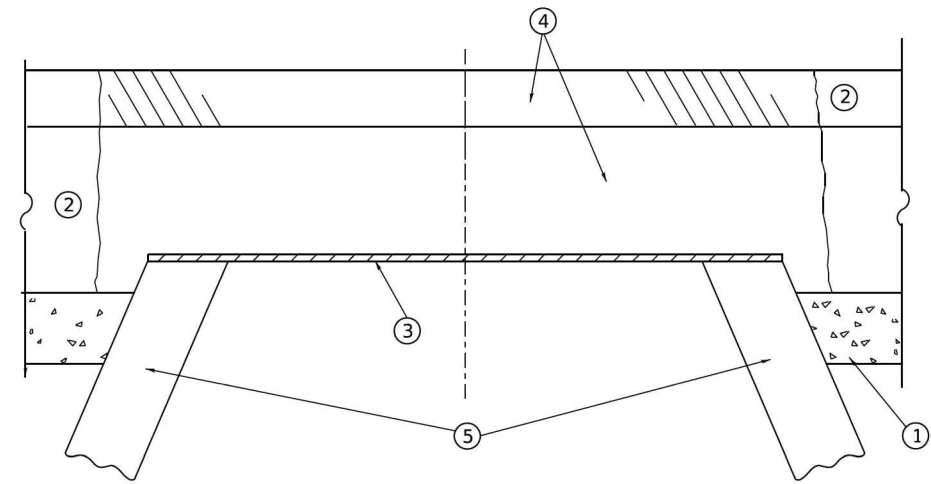
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE DIAGRAM, AND SCHEDULE OF QUANTITIES**  
**ILLINOIS ROUTE 59 AND McCoy DRIVE**

SCALE: N.T.S. SHEET 16 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	58

CONTRACT NO. 80B68  
ILLINOIS FED. AID PROJECT

TS 6089  
IDOT CENTRACS  
FORMER ECON 106



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT  
WITH MILLING**

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-2\* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**LOCATION OF STRUCTURES**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT**

- 1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- 2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- 3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- 4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

**NOTES**

- 1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- 3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- 4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- 5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

MODEL: Default  
FILE NAME: W:\151518\22-34108\808.dgn

USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

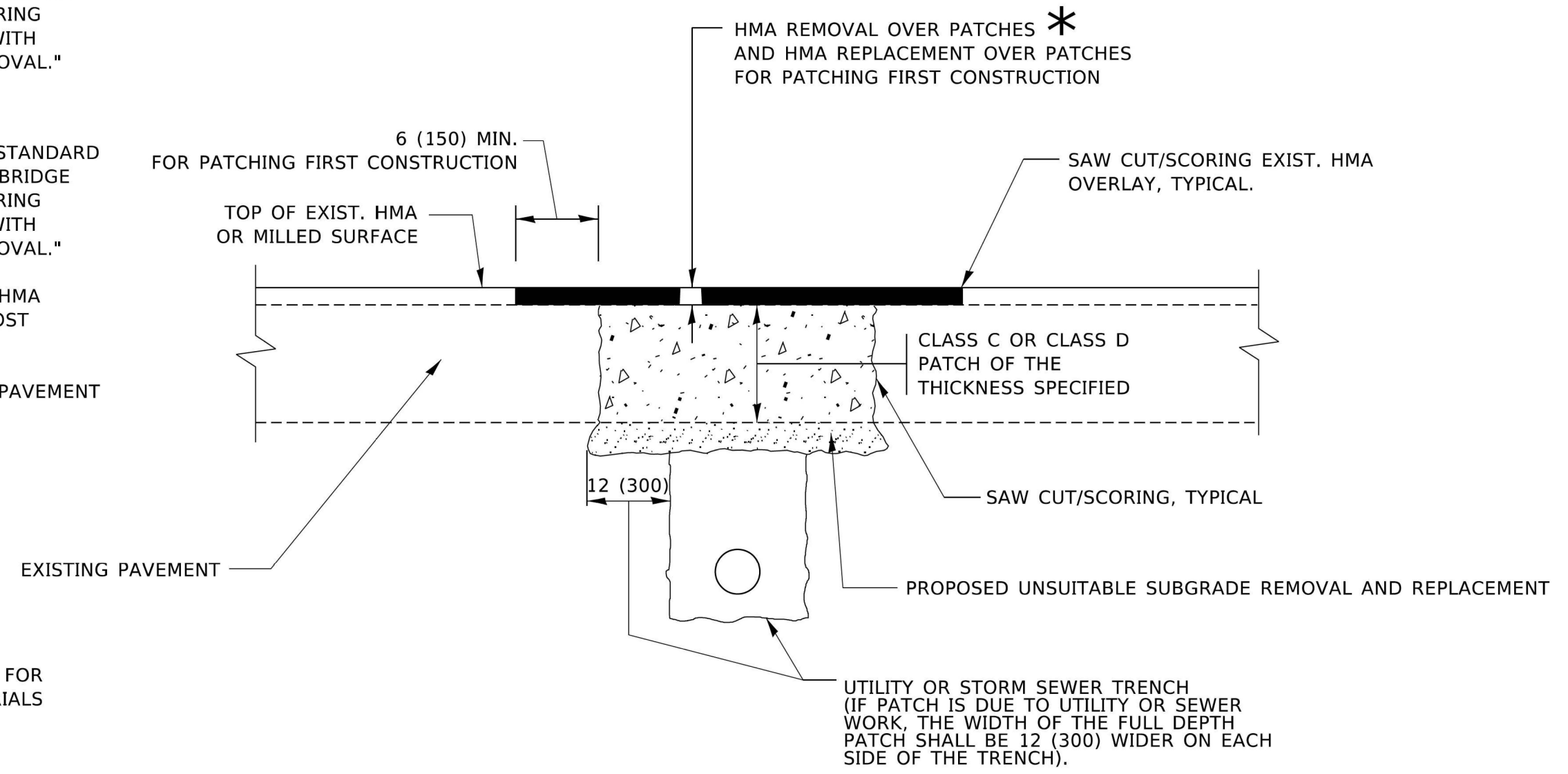
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	59
BD600-03 (BD-08)		CONTRACT NO. 80B68		
ILLINOIS FED. AID PROJECT				

**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.

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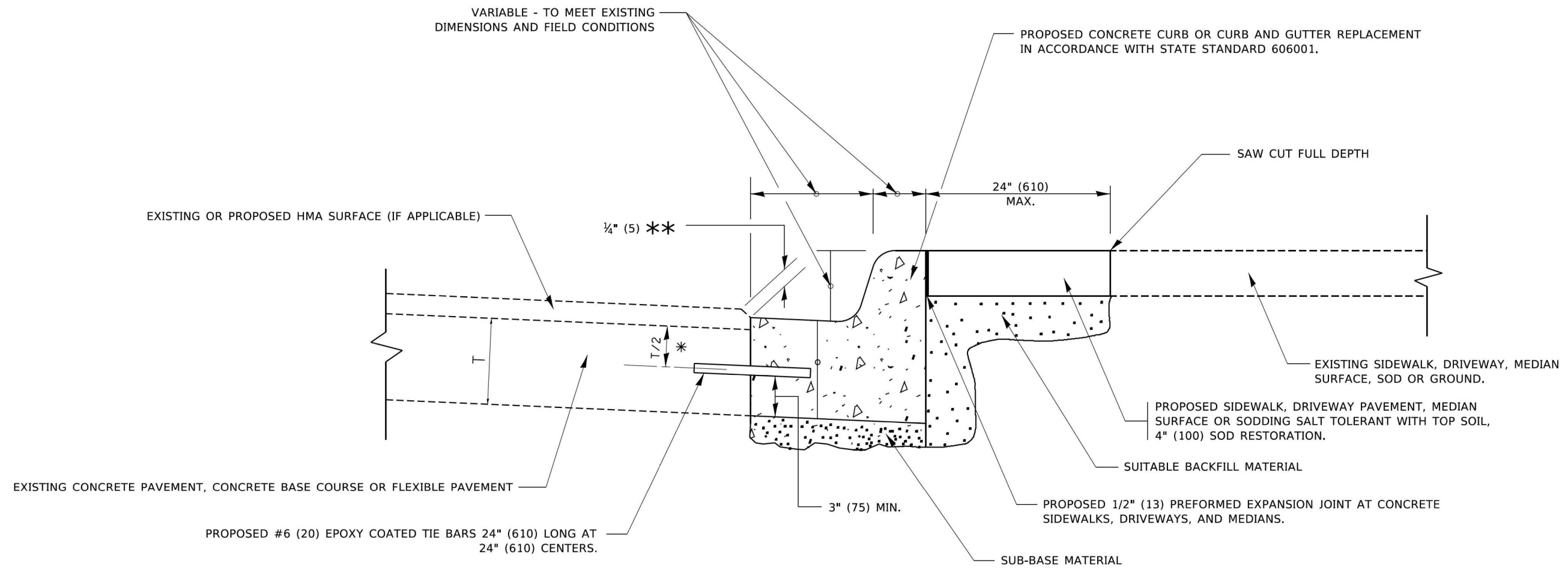
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	DRAWN -	REVISED - R. BORO 09-04-07
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

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.
338	2025-2023-PP	DUPAGE	69	60
BD400-04 (BD-22)			CONTRACT NO. 80B68	
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.

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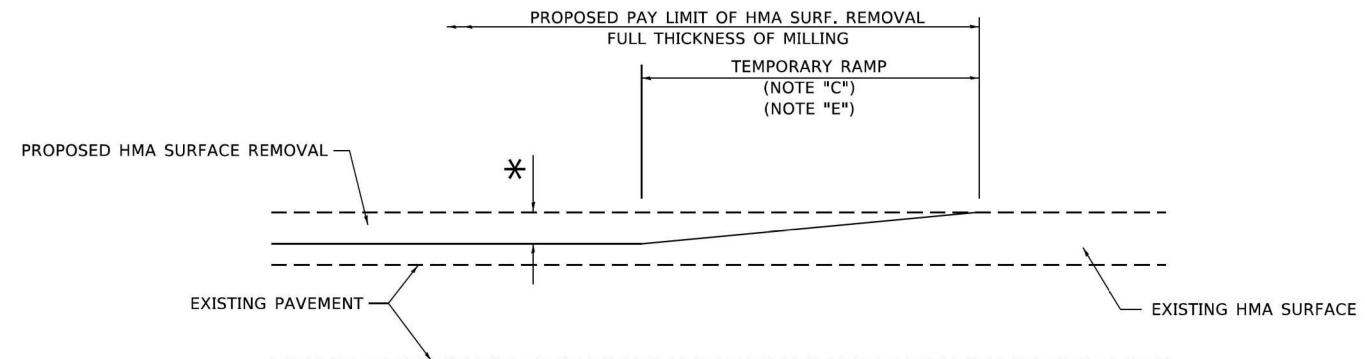
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	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

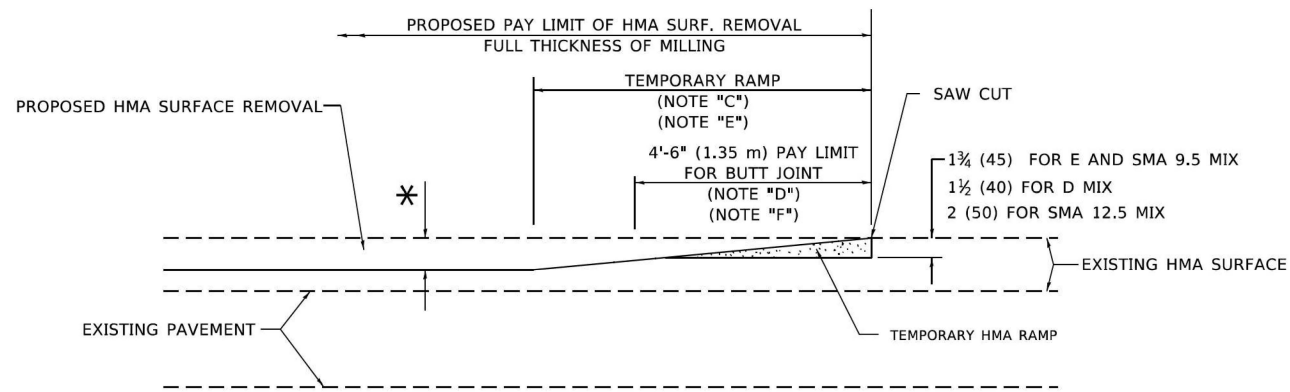
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	61
<b>BD600-06 (BD-24)</b>			CONTRACT NO. 80B68	
ILLINOIS FED. AID PROJECT				



**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

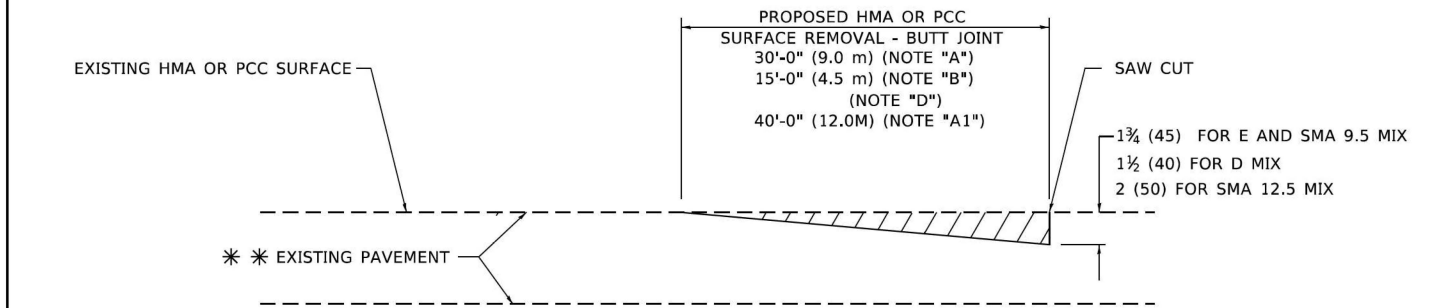


**HMA CONSTRUCTED TEMPORARY RAMP**

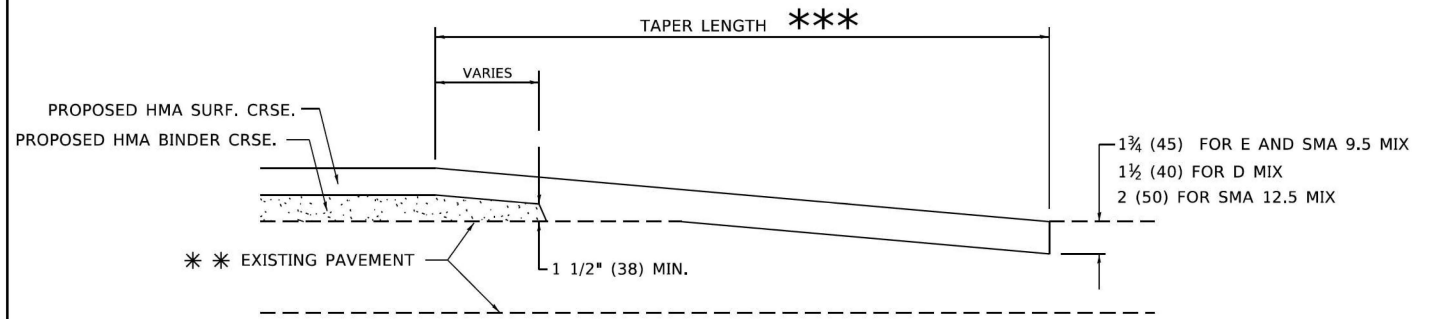
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

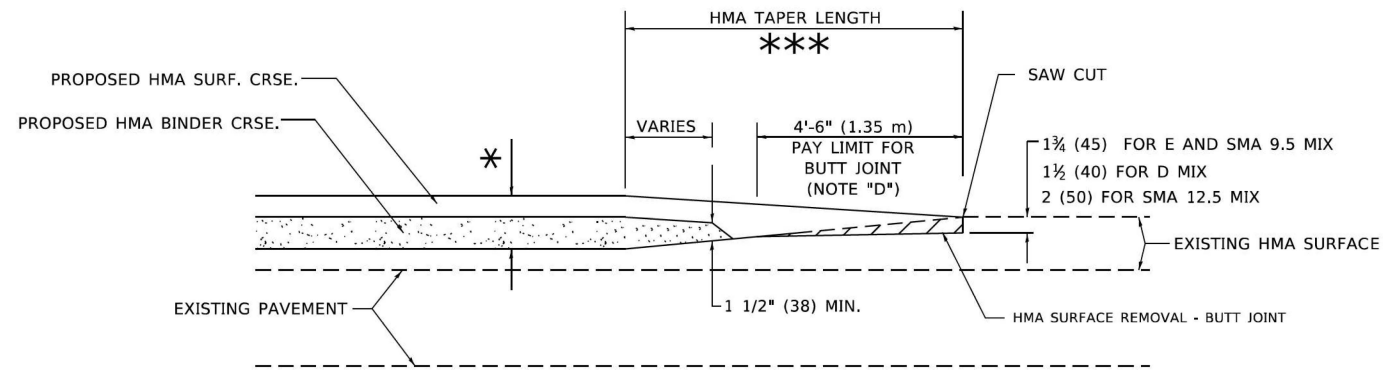
**GENERAL NOTES**

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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



**BUTT JOINT AND HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

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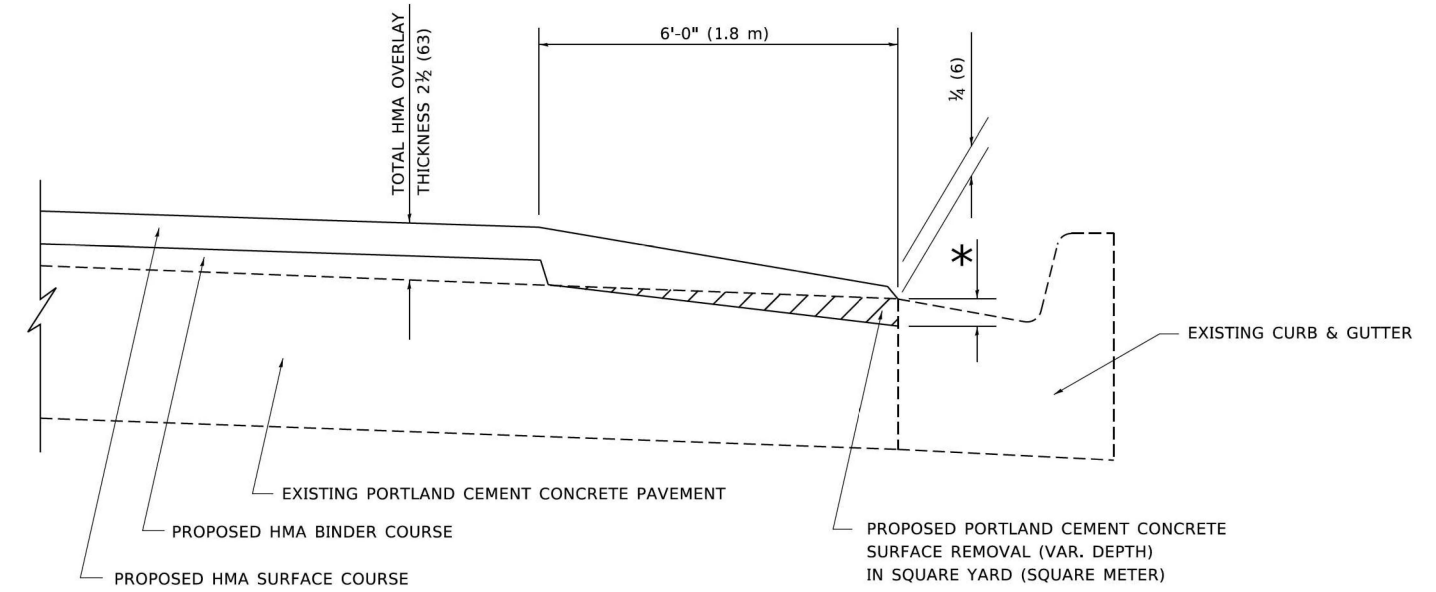
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	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.	
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**BUTT JOINT AND HMA TAPER DETAILS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	62
BD400-05 BD-32		CONTRACT NO. 80B68		
ILLINOIS FED. AID PROJECT				



**HMA TAPER AT  
EDGE OF P.C.C. PAVEMENT**

HMA SURFACE COURSE	HMA BINDER COURSE	* MILLING AT GUTTER FLAG	
MIX	THICKNESS	THICKNESS	
D	1 1/2 (38)	1 (25)	1 1/4 (33)
E OR SMA 9.5	1 3/4 (44)	3/4 (19)	1 1/2 (38)

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

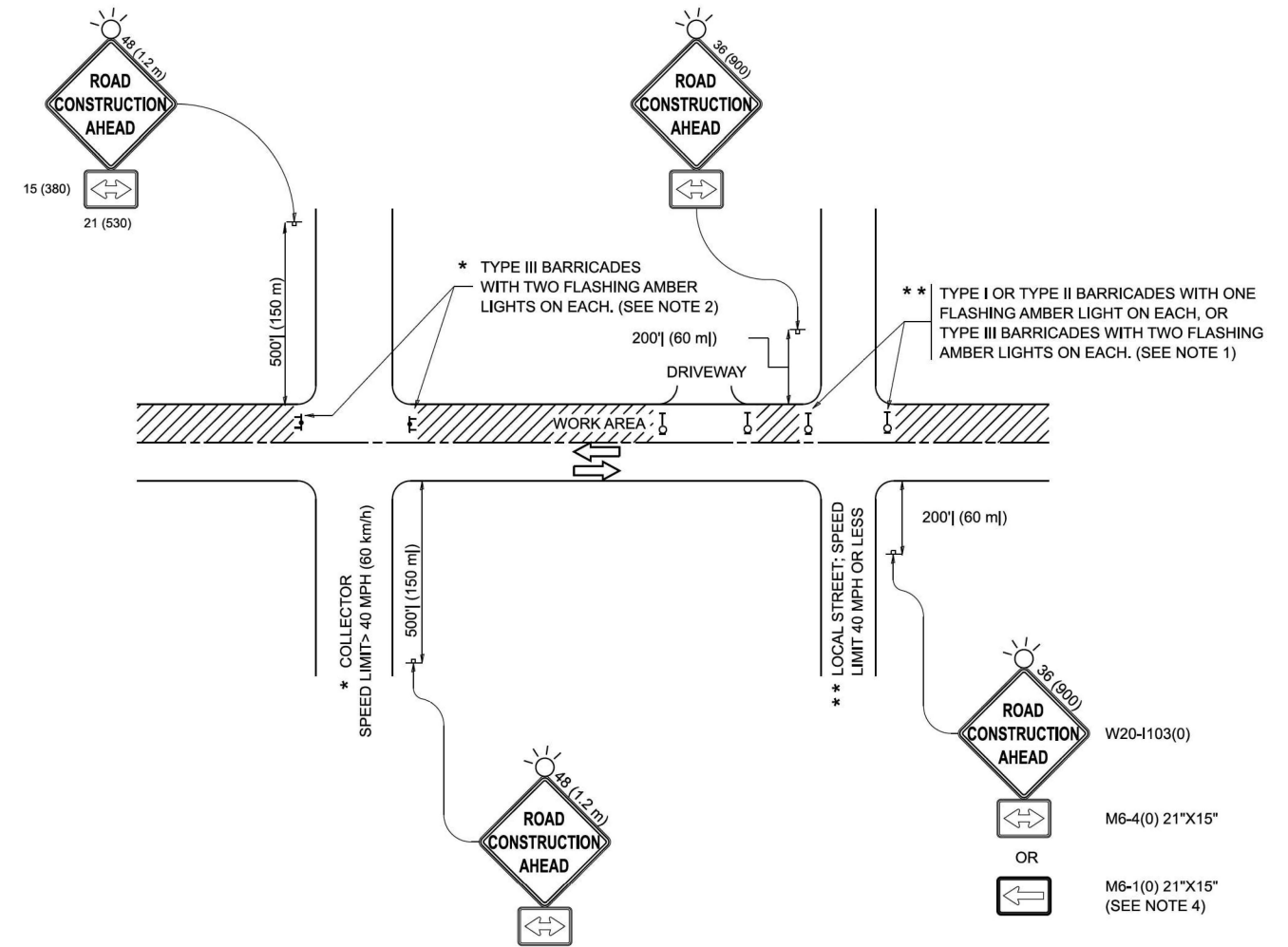
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USER NAME = Shawn.Ley	DESIGNED - R. SHAH	REVISED - E. GOMEZ 12-21-00
	DRAWN - JIS	REVISED - R. BORO 01-01-07
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. ABBAS	REVISED - JP CHANG 07-08-16
PLOT DATE = 1/23/2023	DATE - 09-10-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>HMA TAPER AT EDGE OF P.C.C. PAVEMENT</b>			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	63
BD400-06		BD-33	CONTRACT NO. 80B68	
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) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY 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. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE 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.

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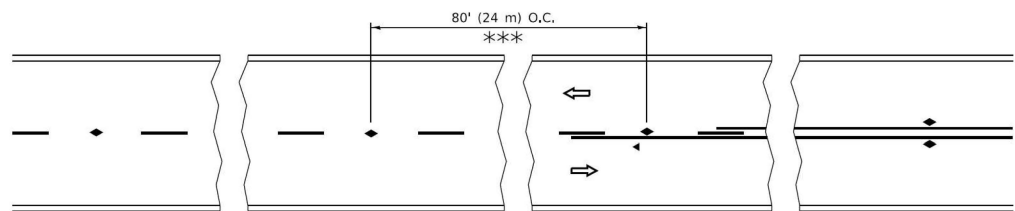
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	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 0.08333317' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 10/2/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-25

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

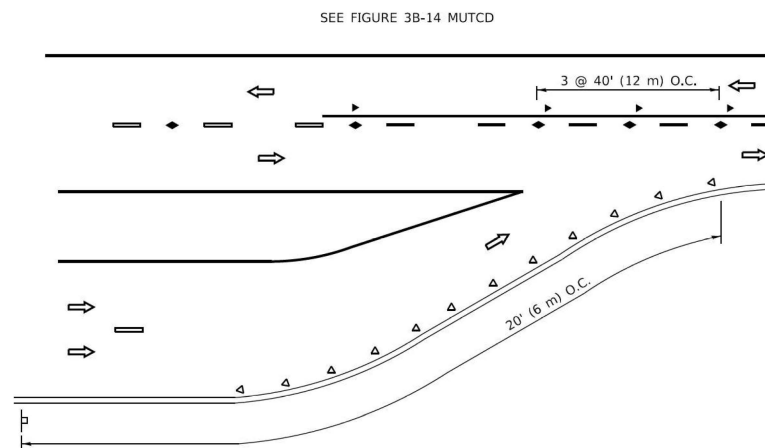
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>			CONTRACT NO. 80B68	
ILLINOIS   FED. AID PROJECT				

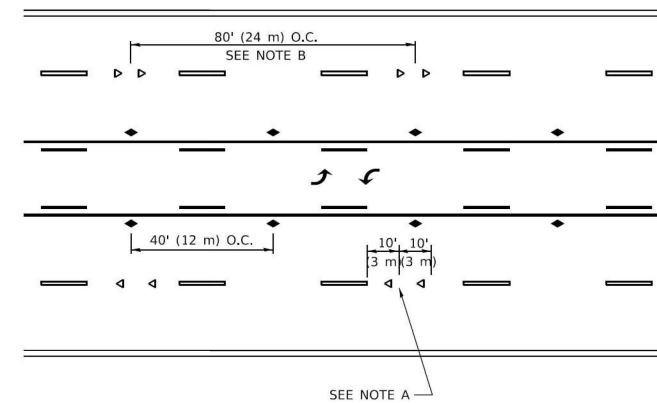


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

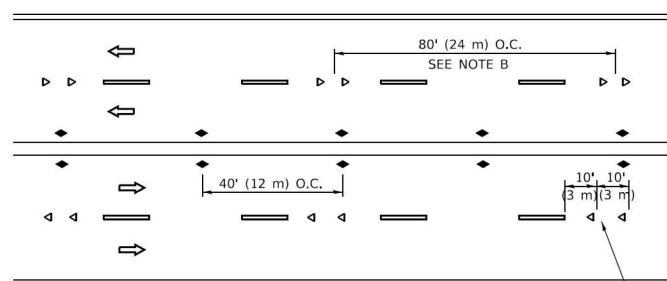
**TWO-LANE/TWO-WAY**



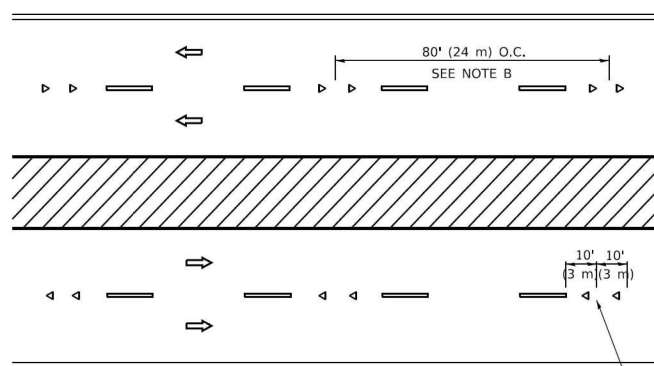
**LANE REDUCTION TRANSITION**



**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**

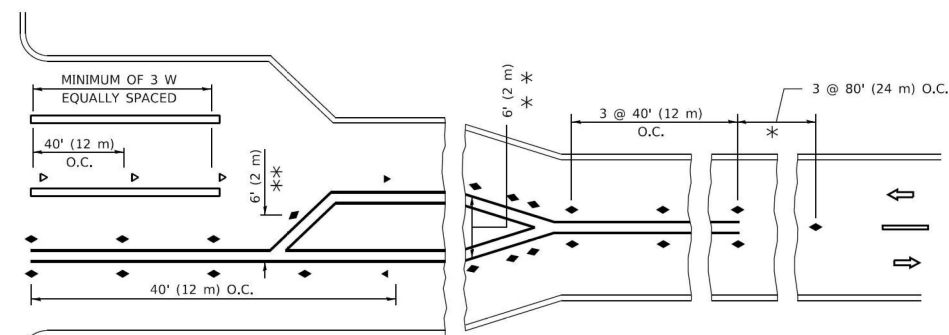
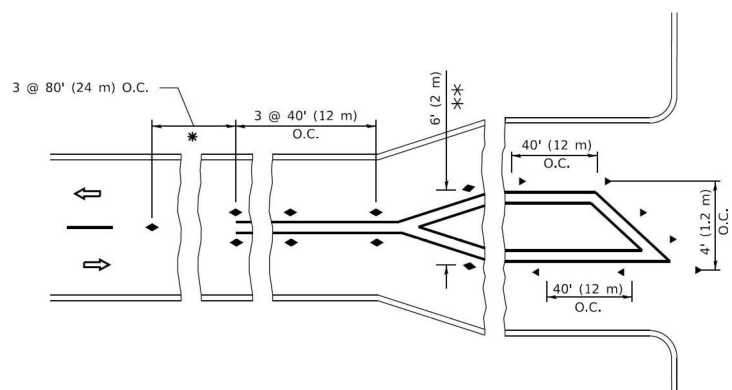
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**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.

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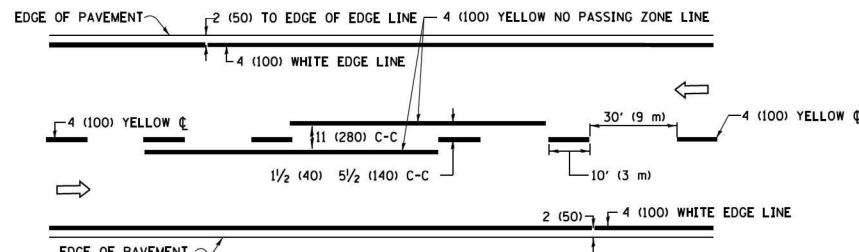
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

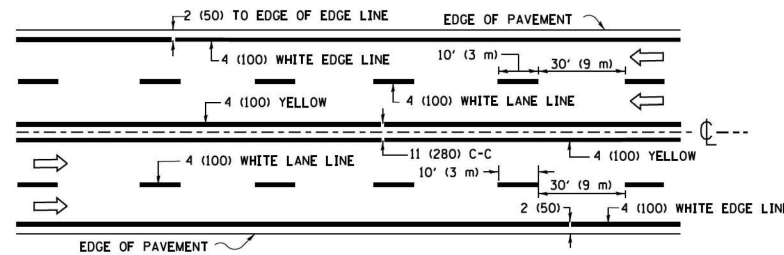
**TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

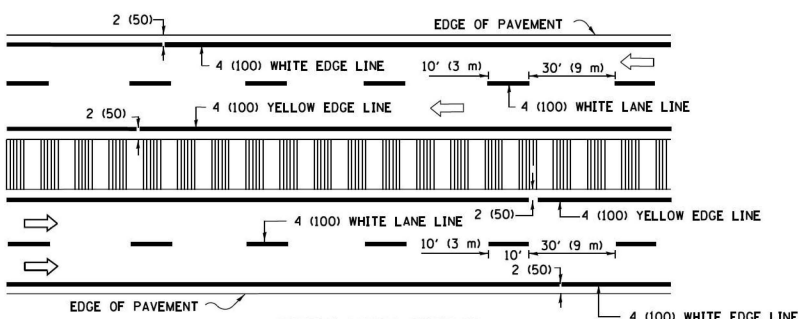
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2025-2023-PP	DUPAGE	69	65
TC-11		CONTRACT NO. 80B68		
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

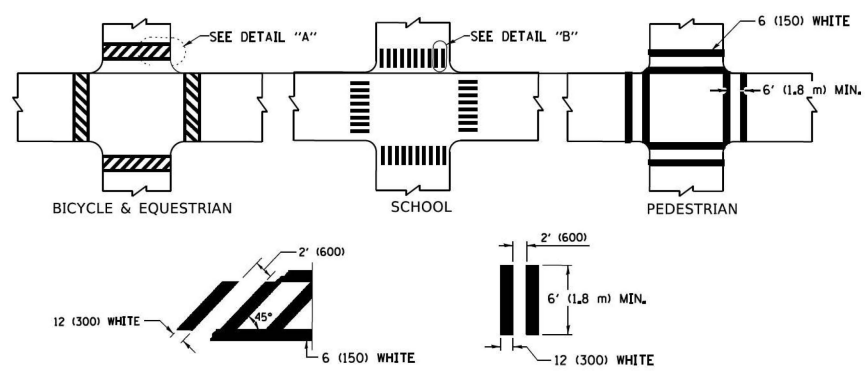


**MULTI-LANE UNDIVIDED**



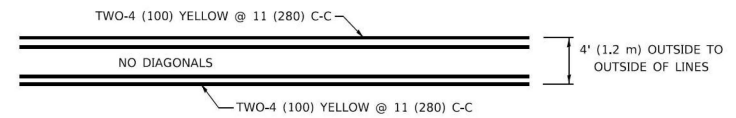
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

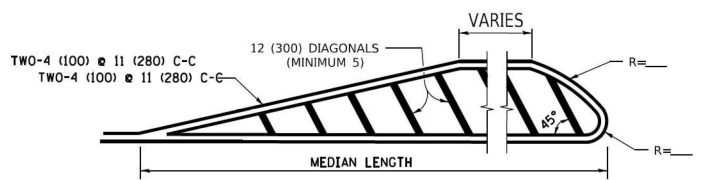


**TYPICAL CROSSWALK MARKING**

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

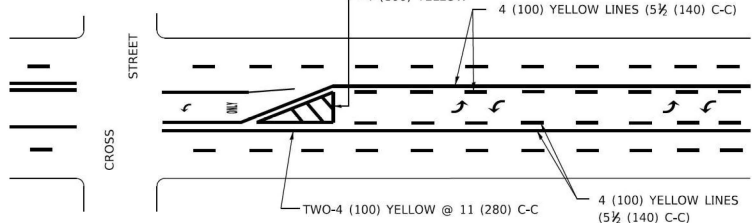


**4' (1.2 m) WIDE MEDIANS ONLY**



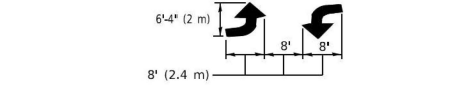
**MEDIANS OVER 4' (1.2 m) WIDE**

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))



**MEDIAN WITH TWO-WAY LEFT TURN LANE  
TYPICAL PAINTED MEDIAN MARKING**

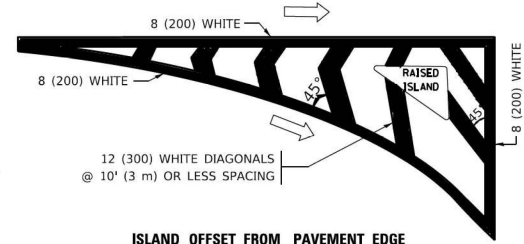
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



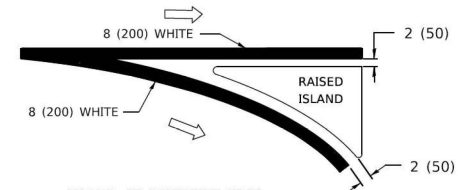
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

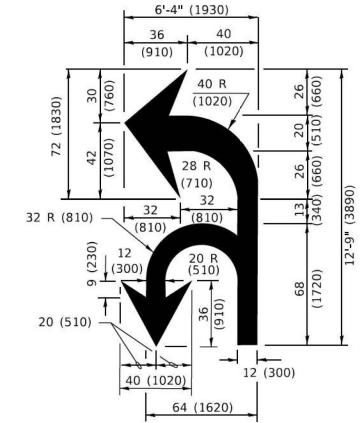
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



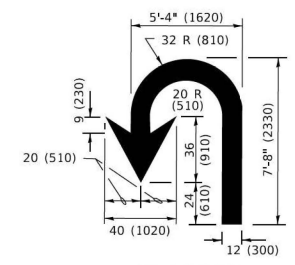
**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT 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 1/2 (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 1/2 (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 6' (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 <sup>2</sup> ) EACH *X*=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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.

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PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 12-21-15
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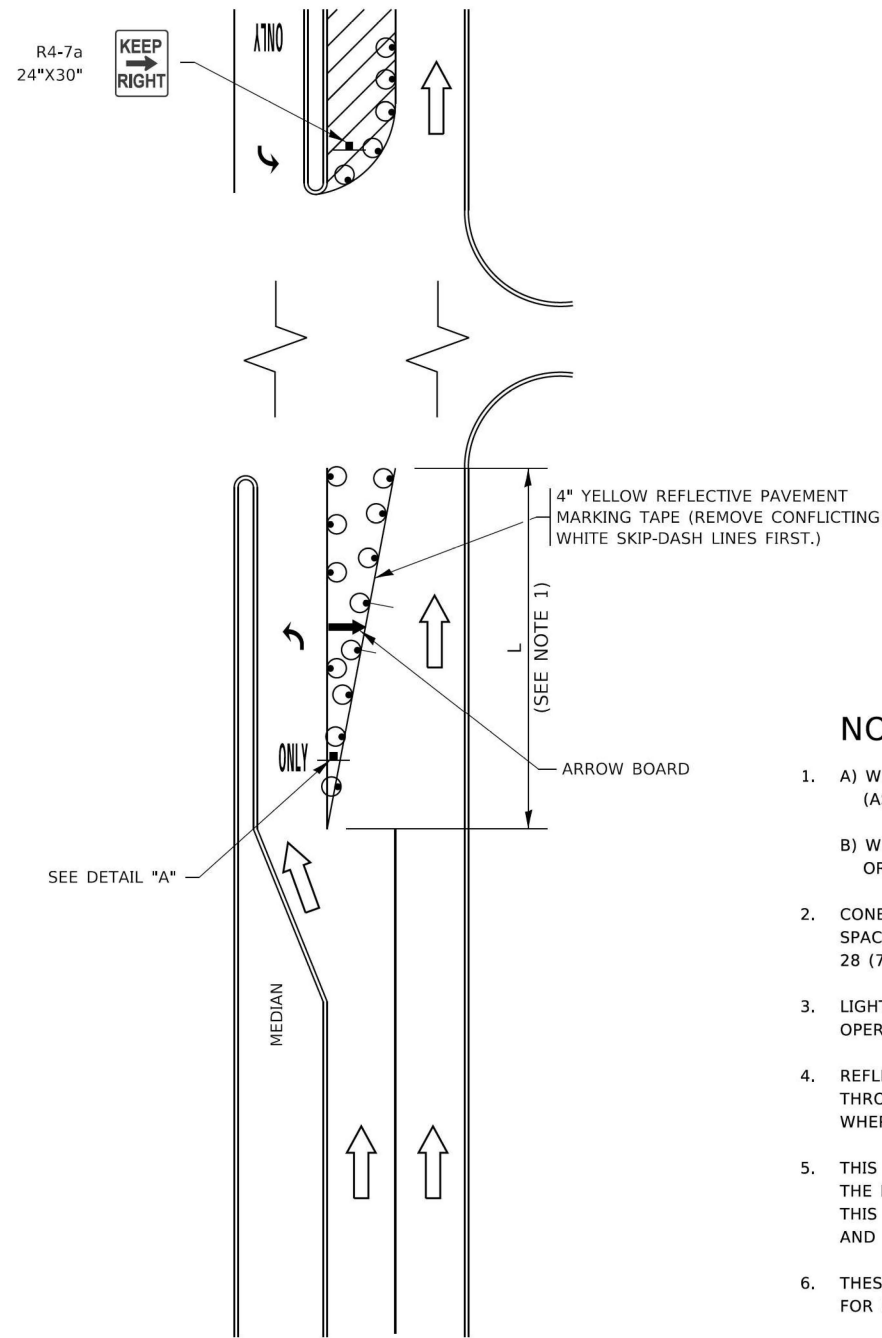
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

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

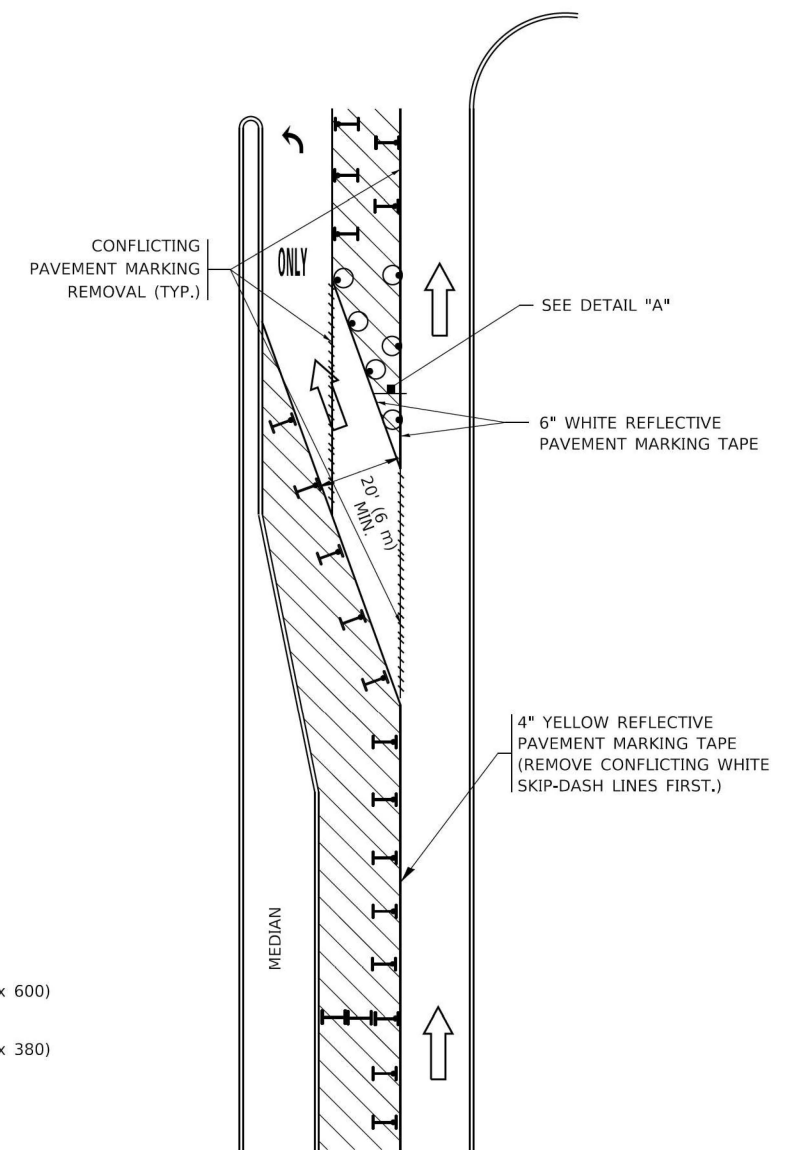
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TC-13		CONTRACT NO. 80B68		
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



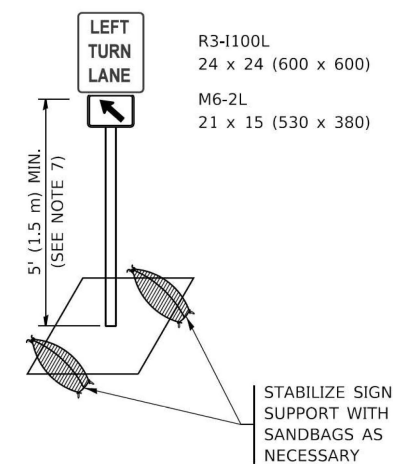
**FIGURE 2**

### LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

### 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.

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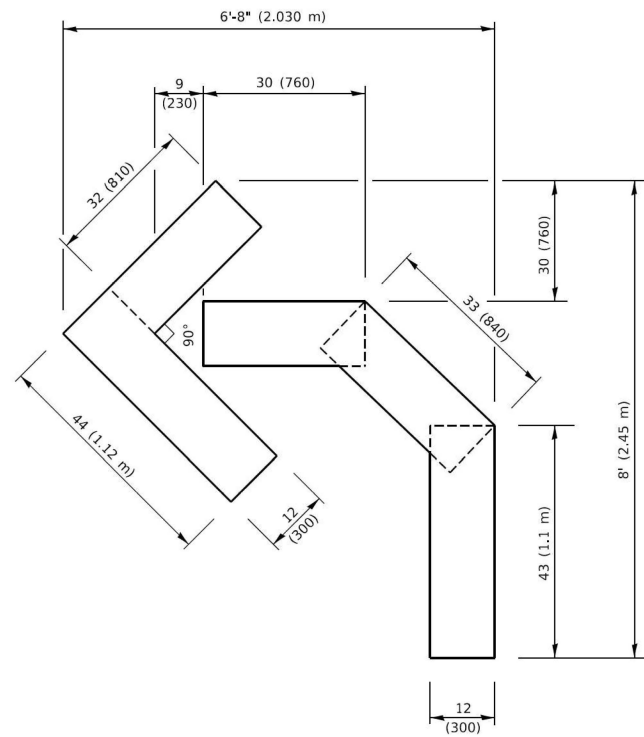
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PLOT SCALE = 50,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

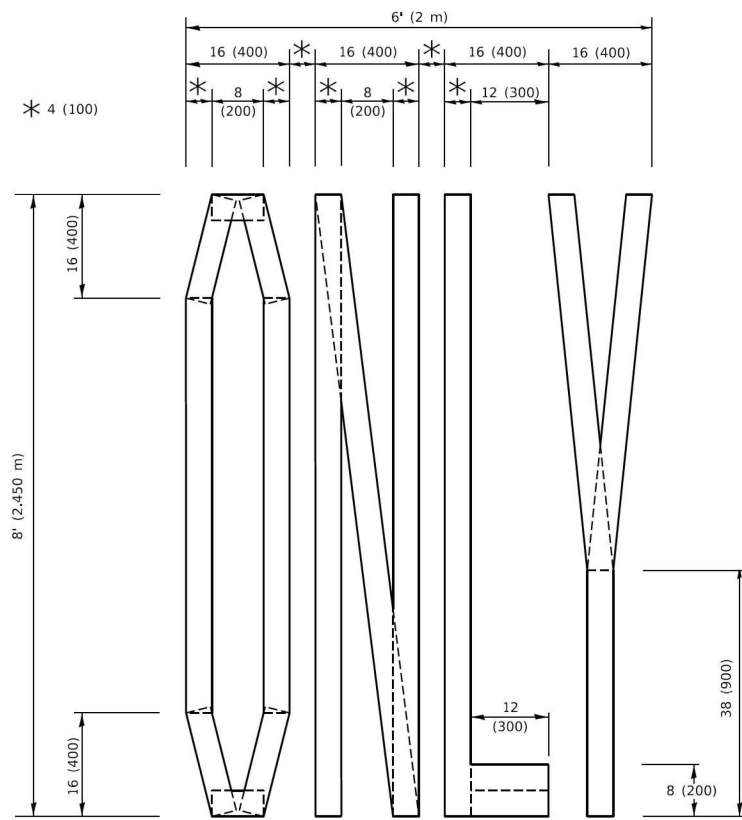
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F.A.P. RTE. 338	SECTION 2025-2023-PP	COUNTY	TOTAL SHEETS 69	SHEET NO. 66A
TC-14		DUPAGE	CONTRACT NO. 80B68	
ILLINOIS FED. AID PROJECT				



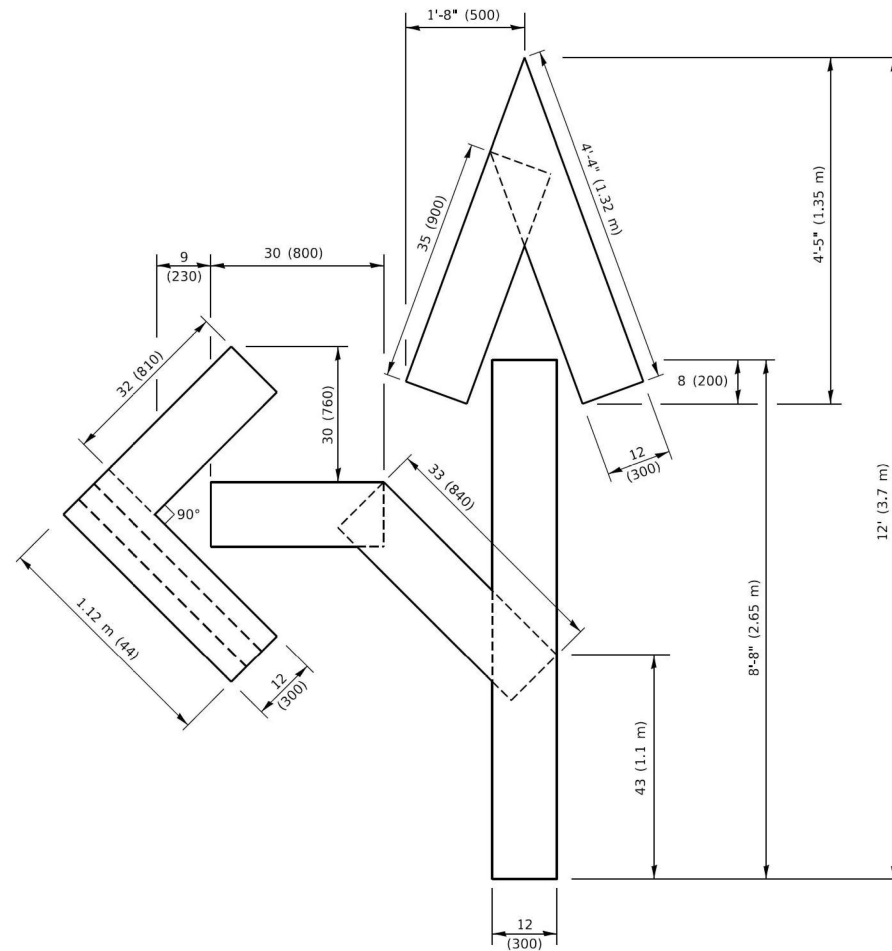
**QUANTITY**

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)

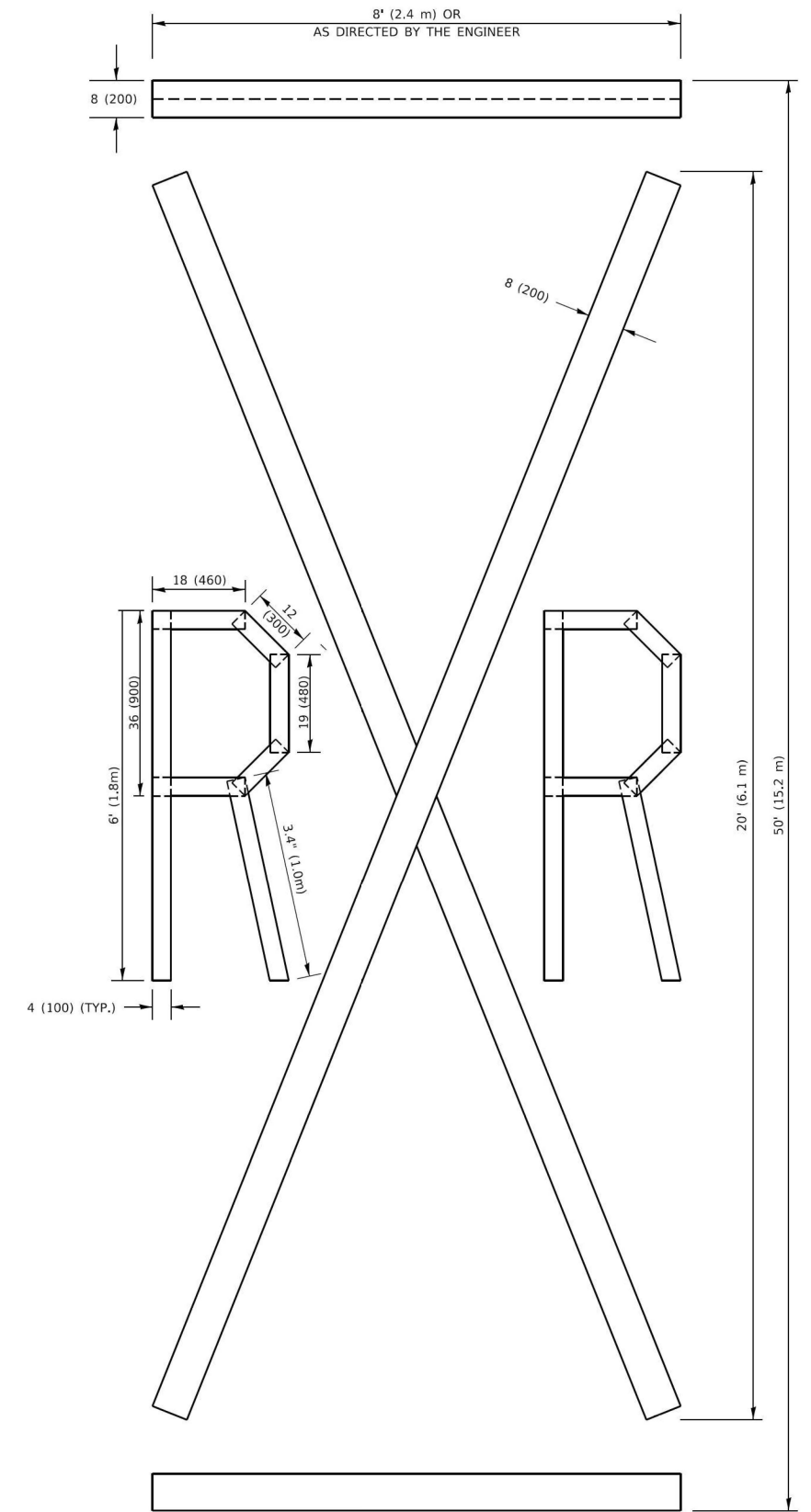


**QUANTITY**

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.

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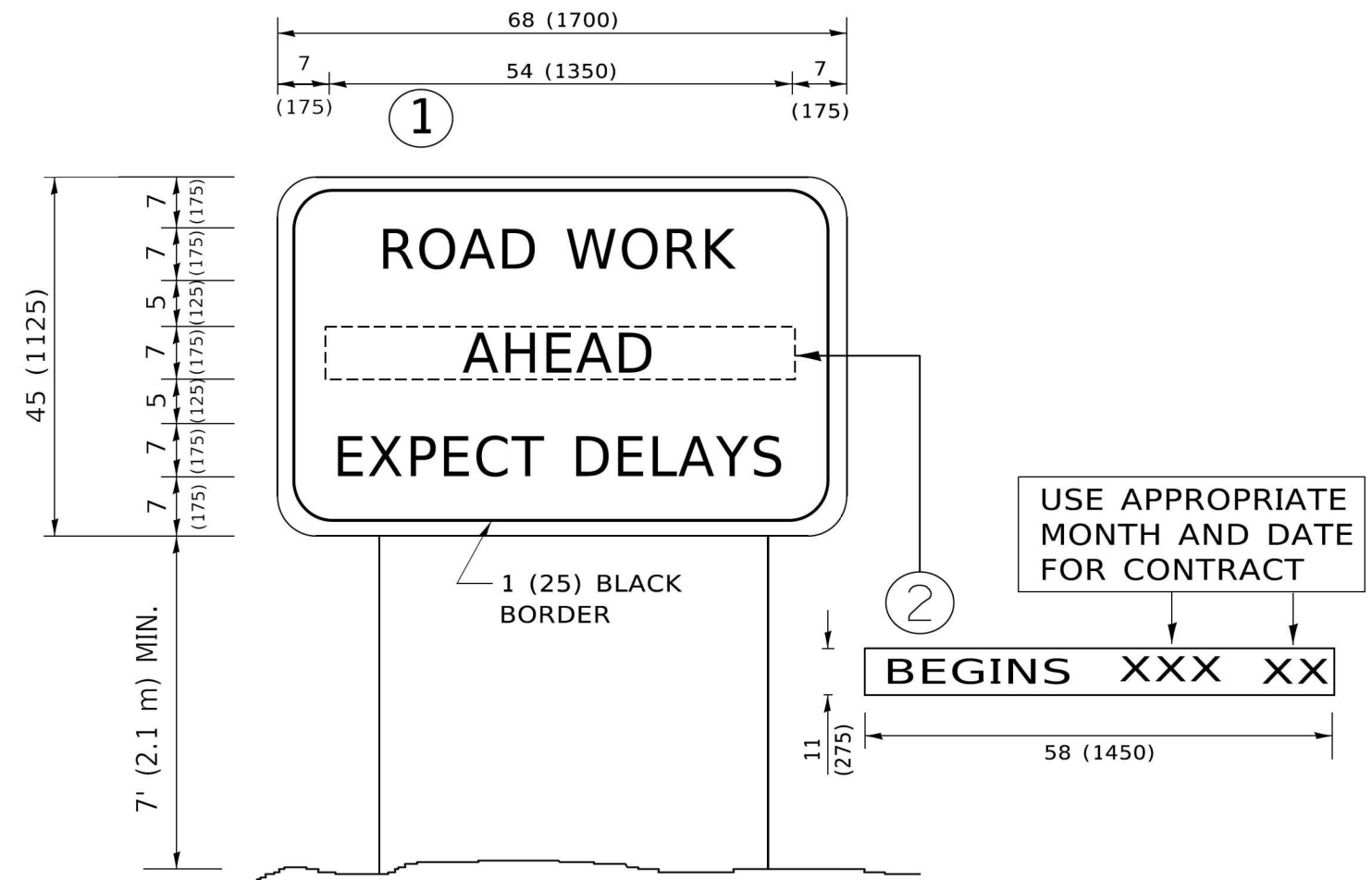
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PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**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.
338	2025-2023-PP	DUPAGE	69	67
<b>TC-16</b>		CONTRACT NO. 80B68		
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.

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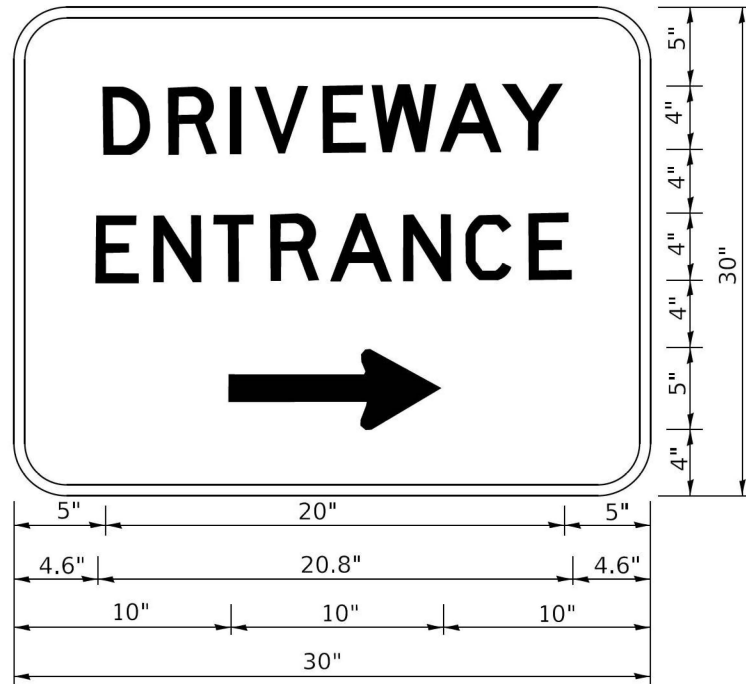
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**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.
338	2025-2023-PP	DUPAGE	69	68
<b>TC-22</b>			CONTRACT NO. 80B68	
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".

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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.
338	2025-2023-PP	DUPAGE	69	69
<b>TC-26</b>		CONTRACT NO. 80B68		
ILLINOIS FED. AID PROJECT				