

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	1
		ILLINOIS	CONTRACT NO. 80B15	

* 50 + 1 = 51 TOTAL SHEETS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

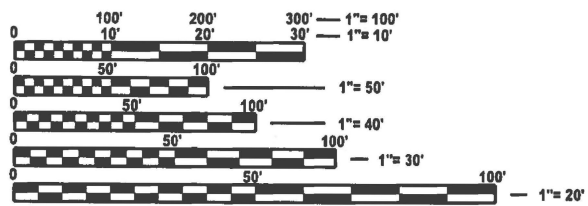
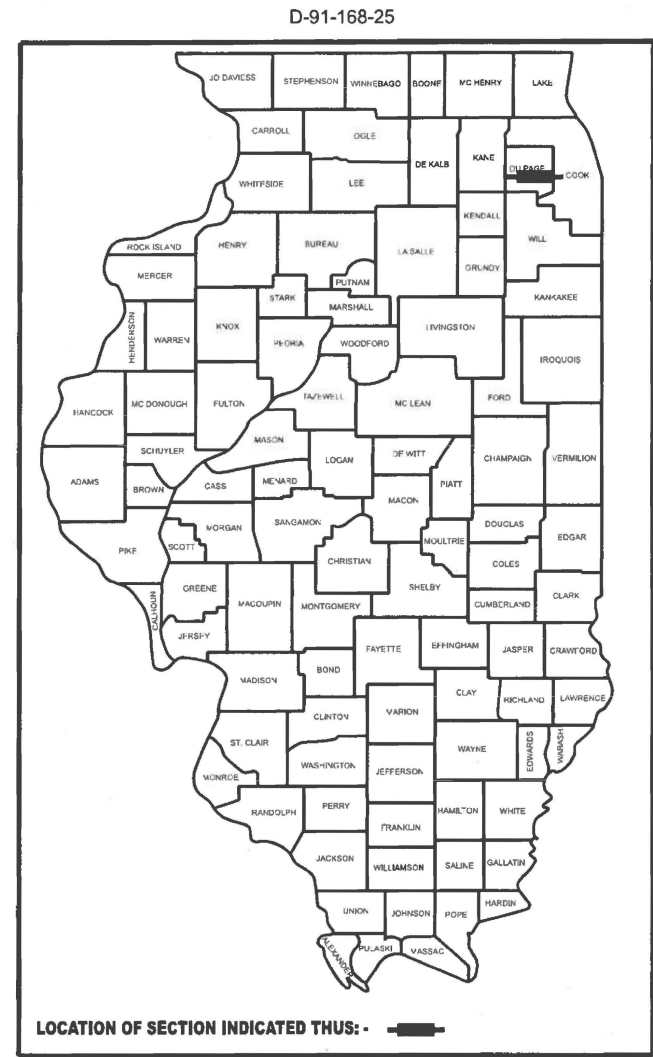
THIS PROJECT IS LOCATED IN THE VILLAGES OF GLEN ELLYN AND LOMBARD.

TRAFFIC DATA

FAP 347 - IL 38 (ROOSEVELT RD): E OF NICOLL WAY TO EDSON AVE
ADT: 37,700 (2023)
SPEED LIMIT: 35 - 45 MPH

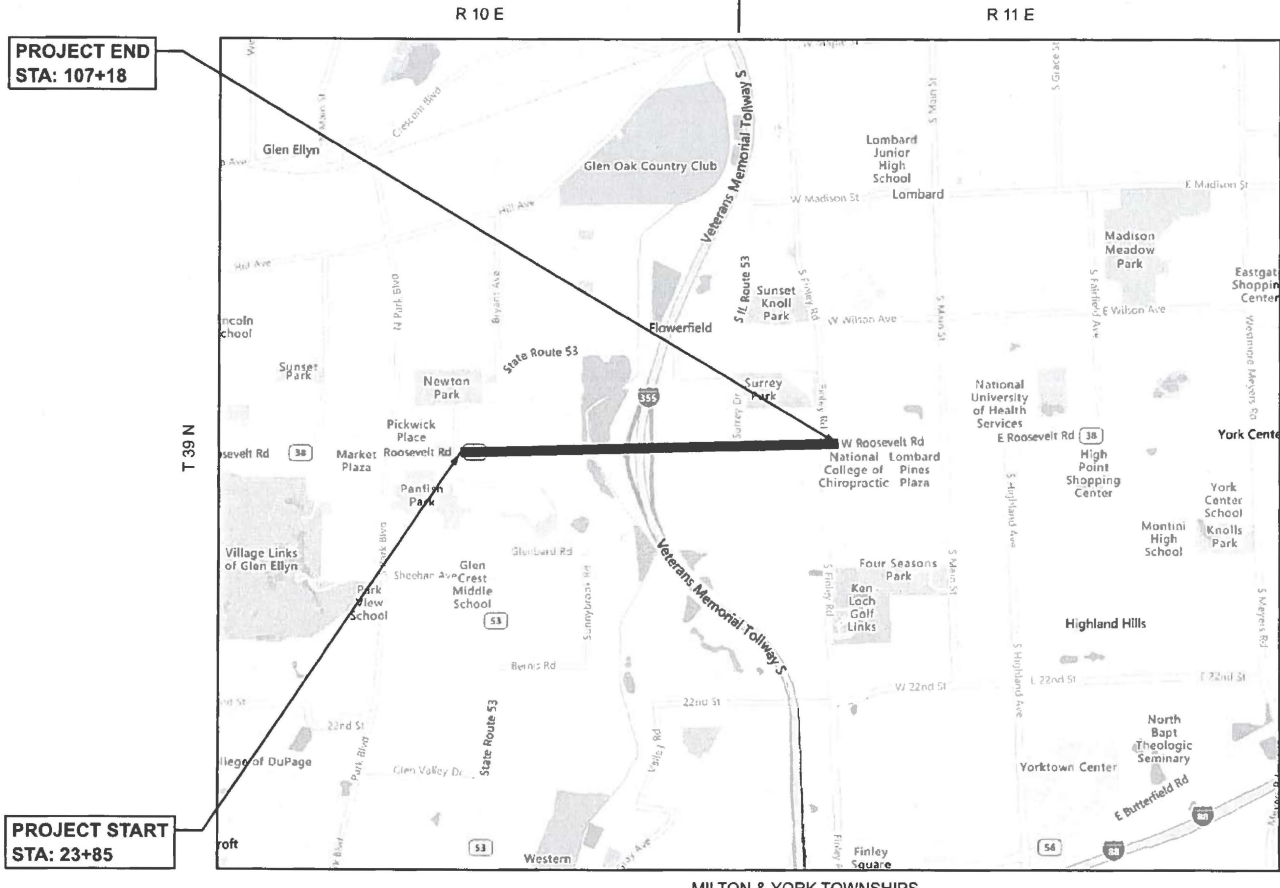
**PROPOSED
HIGHWAY PLANS**
FAP ROUTE 347: IL 38 (ROOSEVELT RD)
E OF NICOLL WAY TO EDSON AVENUE
SECTION: 2025-1089-RS
PROJECT: NHPP-XYPQ(496)
STANDARD OVERLAY WITH ADA IMPROVEMENTS
DUPAGE COUNTY

C-91-248-25



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 END
STA: 107+18

PROJECT START
STA: 23+85

OMISSIONS:
STA. 30+35 TO STA. 31+18
STA. 50+86 TO STA. 51+25

PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705-4580
PROJECT MANAGER: J. ALAIN MIDY (847) 221-3056

GROSS LENGTH = 8,333 FT. = 1.578 MILE
NET LENGTH = 8,211 FT. = 1.555 MILE

CONTRACT NO. 80B15

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 1st 2025
Jared Jabs IR
REGIONAL ENGINEER

January 23, 2026
Scott A. [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

January 23, 2026
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	SIGNALS	DRAINAGE			
Code No.	Item	Unit	Total Quantity	80% FED 20% STATE	80% FED 20% STATE	100% STATE			
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	83	83					
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	83	83					
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	83	83					
20200100	EARTH EXCAVATION	CU YD	1213	1213					
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	475	475					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4417	4417					
25200110	SODDING, SALT TOLERANT	SQ YD	4417	4417					
25200200	SUPPLEMENTAL WATERING	UNIT	45	45					
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	159	159					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1898	1898					
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	410	410					
35501328	HOT-MIX ASPHALT BASE COURSE, 11"	SQ YD	1845	1845					
35600720	HOT-MIX ASPHALT BASE COURSE WIDENING, 11"	SQ YD	53	53					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	48369	48369					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	39175	39175					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	108	108					
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	463	463					
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	3942	3942					
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	46	46					
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	7023	7023					
42001300	PROTECTIVE COAT	SQ YD	8975	8975					
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	219	219					

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	SIGNALS	DRAINAGE			
Code No.	Item	Unit	Total Quantity	80% FED 20% STATE	80% FED 20% STATE	100% STATE			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1125	1125					
42400800	DETECTABLE WARNINGS	SQ FT	90	90					
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	629	629					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	15804	15804					
44000600	SIDEWALK REMOVAL	SQ FT	1125	1125					
44003100	MEDIAN REMOVAL	SQ FT	49523	49523					
44201773	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	108	108					
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	860	860					
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	645	645					
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	538	538					
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	6780	6780					
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	12645	12645					
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	22251	22251					
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	3930	3930					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1213	1213					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	10	10					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	20					
67100100	MOBILIZATION	L SUM	1	1					
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1					
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1					

* SPECIALTY ITEM

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL 38 - EAST OF NICOLL WAY TO EDSON AVE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	3
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	SIGNALS	DRAINAGE			
				80% FED 20% STATE	80% FED 20% STATE	100% STATE			
Code No.	Item	Unit	Total Quantity	0005	0021	0044			
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	4					
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1					
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1					
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	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					
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	18582	18582					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3097	3097					
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	1858	1858					
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	25334	25334					
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	6740	6740					
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	1464	1464					
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	799	799					
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	752	752					
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	9291	9291					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1858	1858					
78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	232	232					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19913	19913					
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2838	2838					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6740	6740					
78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	2006	2006					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1464	1464					
78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	447	447					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	799	799					

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				ROADWAY	SIGNALS	DRAINAGE			
				80% FED 20% STATE	80% FED 20% STATE	100% STATE			
Code No.	Item	Unit	Total Quantity	0005	0021	0044			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	752	752					
78009018	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	24	24					
* 78004620	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4"	FOOT	5421	5421					
78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	180	180					
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	5421	5421					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1054	1054					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1054	1054					
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	147		147				
* 81400200	HEAVY-DUTY HANDHOLE	EACH	2		2				
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1				
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	464		464				
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	115		115				
* 87900200	DRILL EXISTING HANDHOLE	EACH	2		2				
* 88600100	DETECTOR LOOP, TYPE I	FOOT	372		372				
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	464		464				
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	92		92				
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1				
* 89502380	REMOVE EXISTING HANDHOLE	EACH	2		2				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	895	895					
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	1386	1386					
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	1505	1505					
X4405020	LONGITUDINAL PARTIAL DEPTH REMOVAL 2"	FOOT	3500	3500					
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	2500			2500			

* SPECIALTY ITEM

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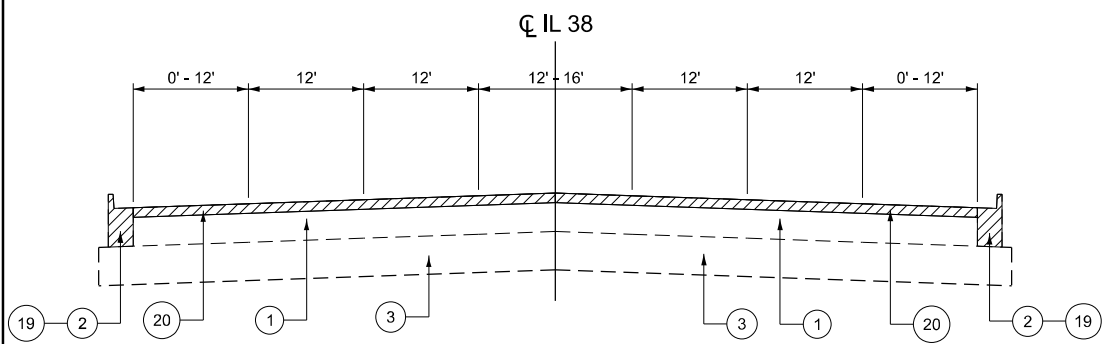
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PLOT DATE = 12/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

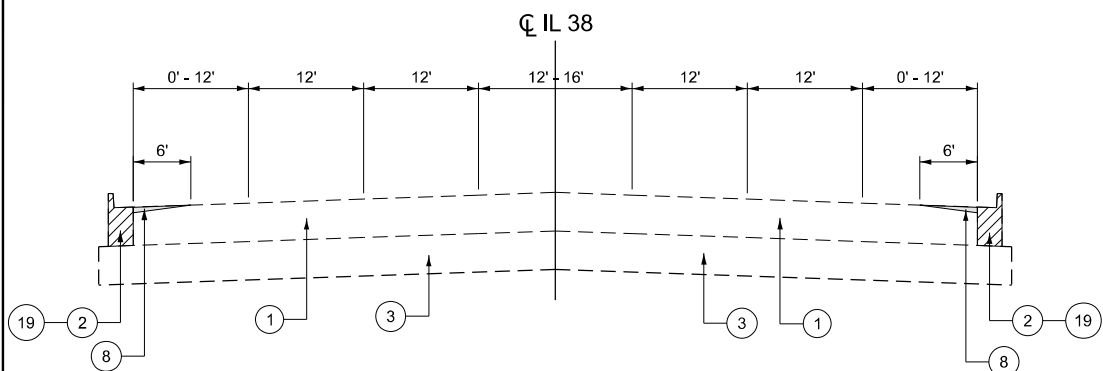
SUMMARY OF QUANTITIES
IL 38 - EAST OF NICOLL WAY TO EDSON AVE

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

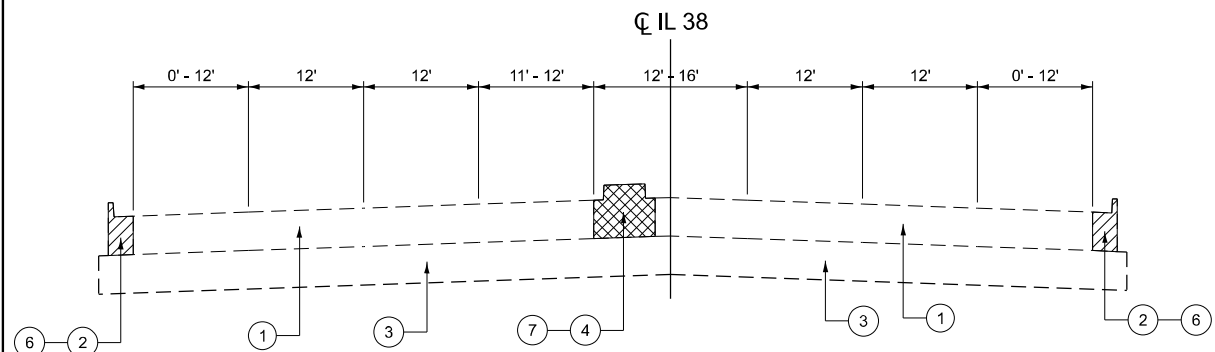
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347	2025-1089-RS	DUPAGE	50	4
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				



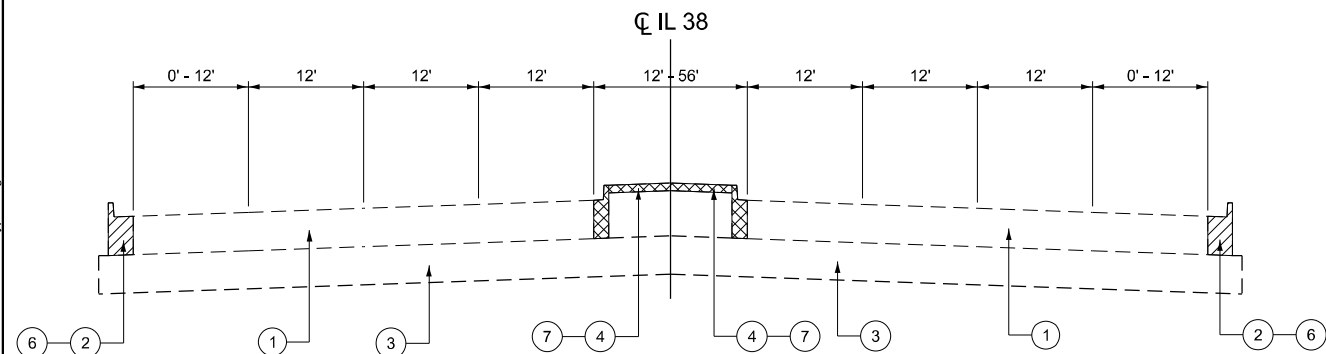
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STA 23+86 TO STA 25+92



EXISTING TYPICAL SECTION
STA 25+92 TO STA 29+84
STA 101+50 TO STA 107+18



EXISTING TYPICAL SECTION
STA 32+93 TO STA 50+87



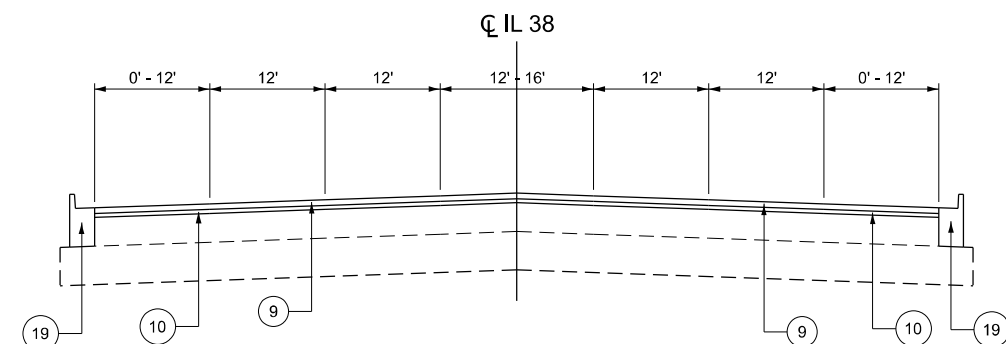
EXISTING TYPICAL SECTION
STA 51+25 TO STA 58+50
STA 63+50 TO STA 73+00

LEGEND

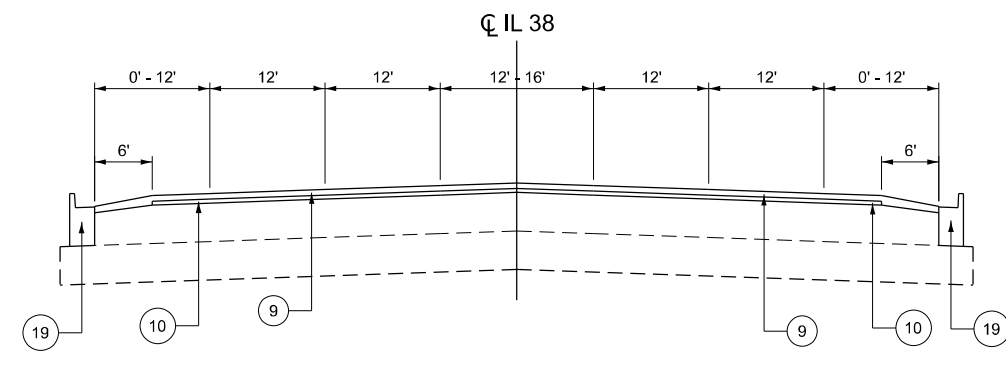
- 1 EXISTING PCC PAVEMENT, ±11"
- 2 EXISTING COMB. CONC. CURB AND GUTTER
- 3 EXISTING SUBBASE
- 4 EXISTING BARRIER MEDIAN
- 5 EXISTING MOUNTABLE MEDIAN
- 6 PROP. COMB. CONC. CURB AND GUTTER REMOVAL
- 7 PROP. MEDIAN REMOVAL
- 8 PROP. VARIABLE DEPTH MILLING
- 9 PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
- 10 PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 1"
- 11 PROP. HMA BASE COURSE, 11"
- 12 PROP. HMA BASE COURSE WIDENING, 11"
- 13 PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 14 PROP. SUBBASE GRANULAR MATERIAL, TYPE B
- 15 PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.24
- 16 PROP. COMB. COMC. CURB AND GUTTER, TYPE B-6.12
- 17 PROP. CONCRETE MEDIAN SURFACE, 4"
- 18 PROP. CONCRETE MEDIAN, TYPE SB-6-12
- 19 PROP. COMB. C&G REMOVAL AND REPLACEMENT > 10'
- 20 PROP. PCC SURFACE REMOVAL, 2 3/4"

NOTE:

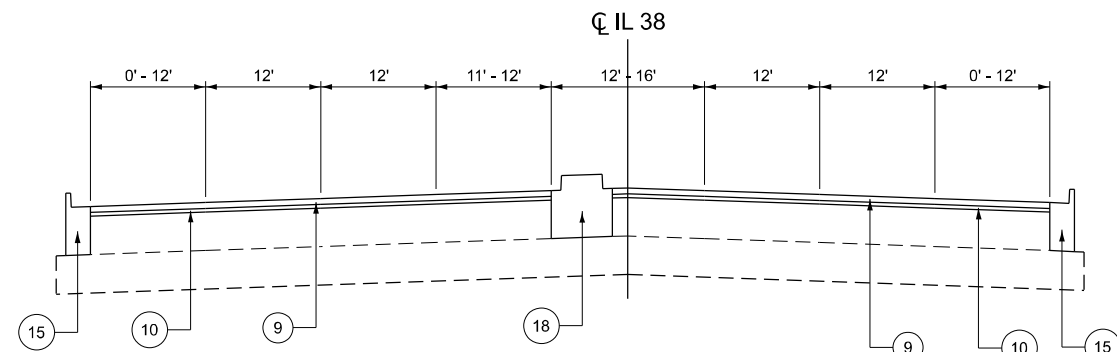
- 1. THE CONTRACTOR SHALL PATCH BEFORE OVERLAY.
- 2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50.



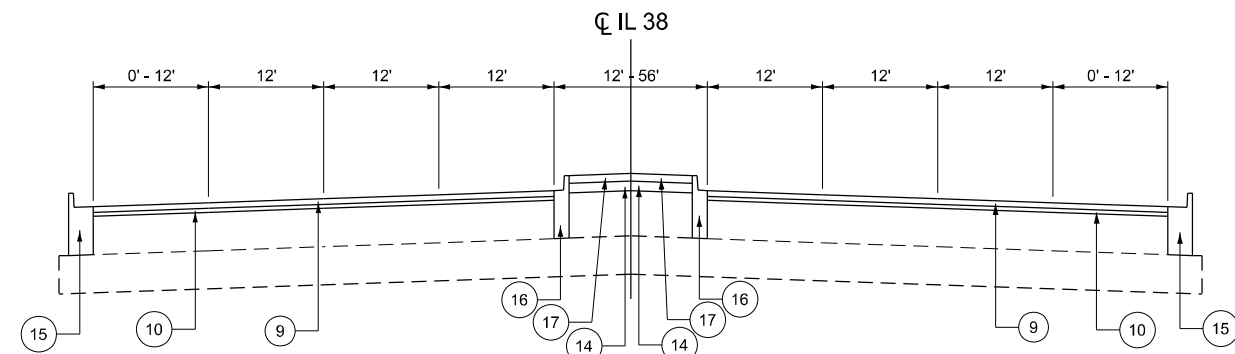
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STA 23+86 TO STA 25+92



PROPOSED TYPICAL SECTION
STA 25+92 TO STA 29+84
STA 101+50 TO STA 107+18



PROPOSED TYPICAL SECTION
STA 32+93 TO STA 50+87



PROPOSED TYPICAL SECTION
STA 51+25 TO STA 58+50
STA 63+50 TO STA 73+00

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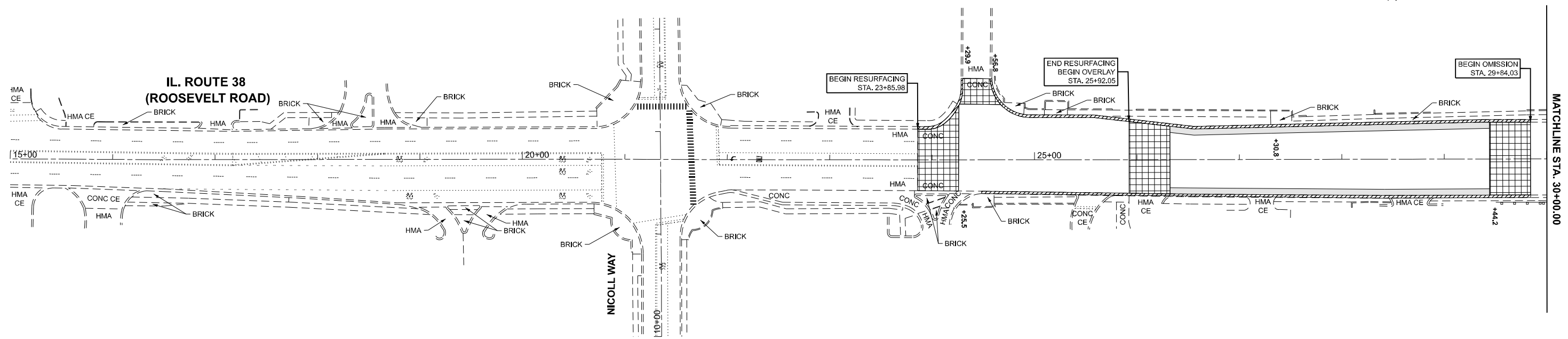
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	DRAWN -	REVISED -
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PLOT DATE = 1/16/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**





**TYPICAL SECTIONS
IL 38 - EAST OF NICOLL WAY TO EDSON AVE**

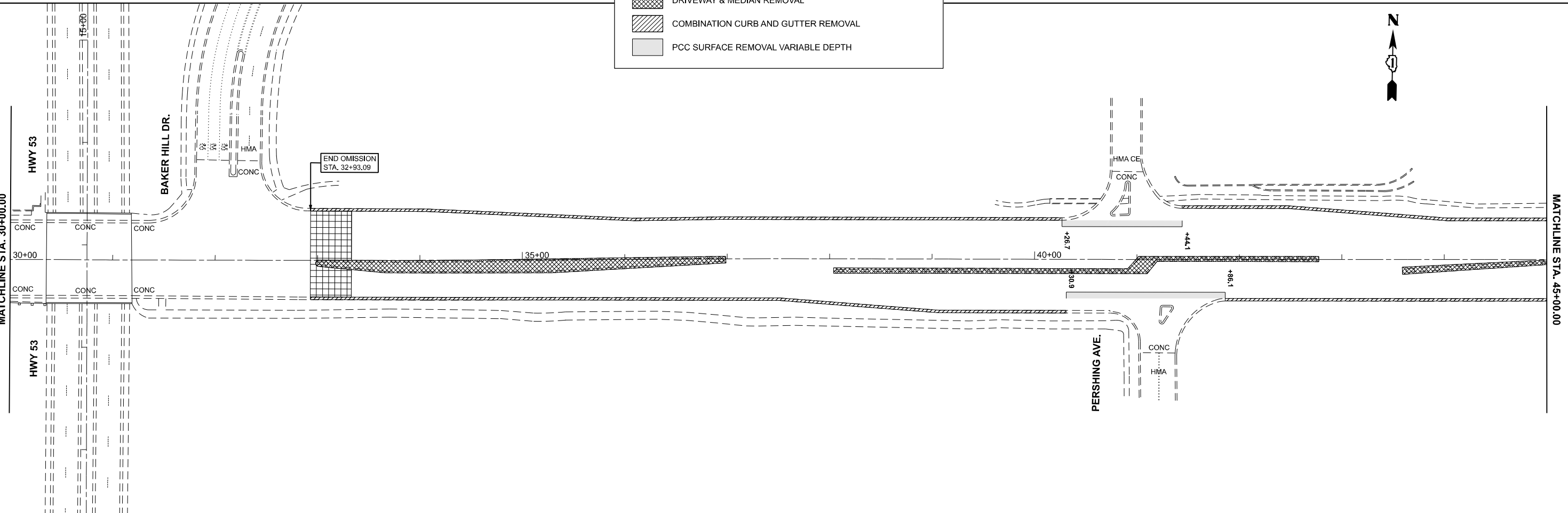
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	6
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				



LEGEND

-  PCC SURFACE REMOVAL - BUTT JOINT
-  DRIVEWAY & MEDIAN REMOVAL
-  COMBINATION CURB AND GUTTER REMOVAL
-  PCC SURFACE REMOVAL VARIABLE DEPTH



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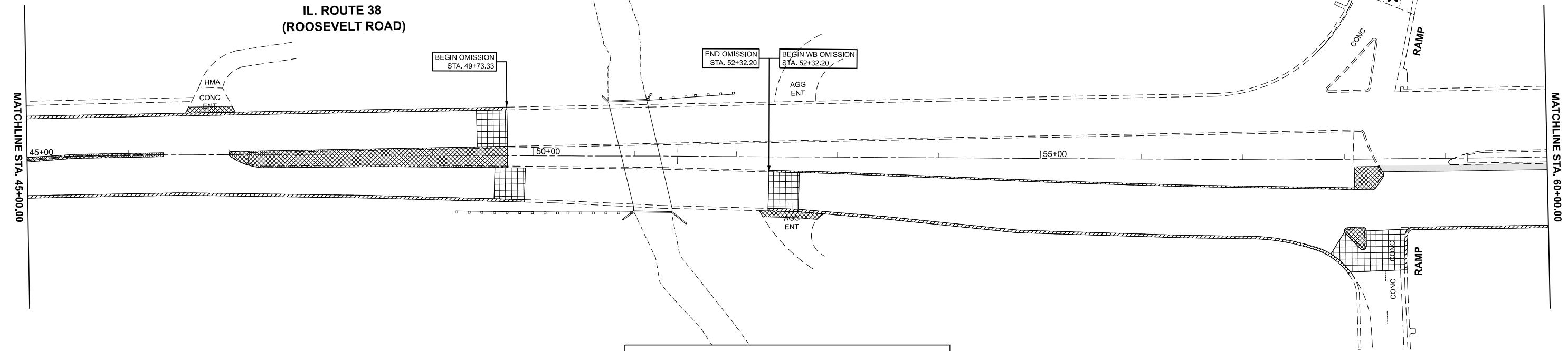
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY REMOVAL PLANS
IL 38 - EAST OF NICOLL WAY TO EDSON AVE





SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 15+00.00 TO STA. 45+00.00

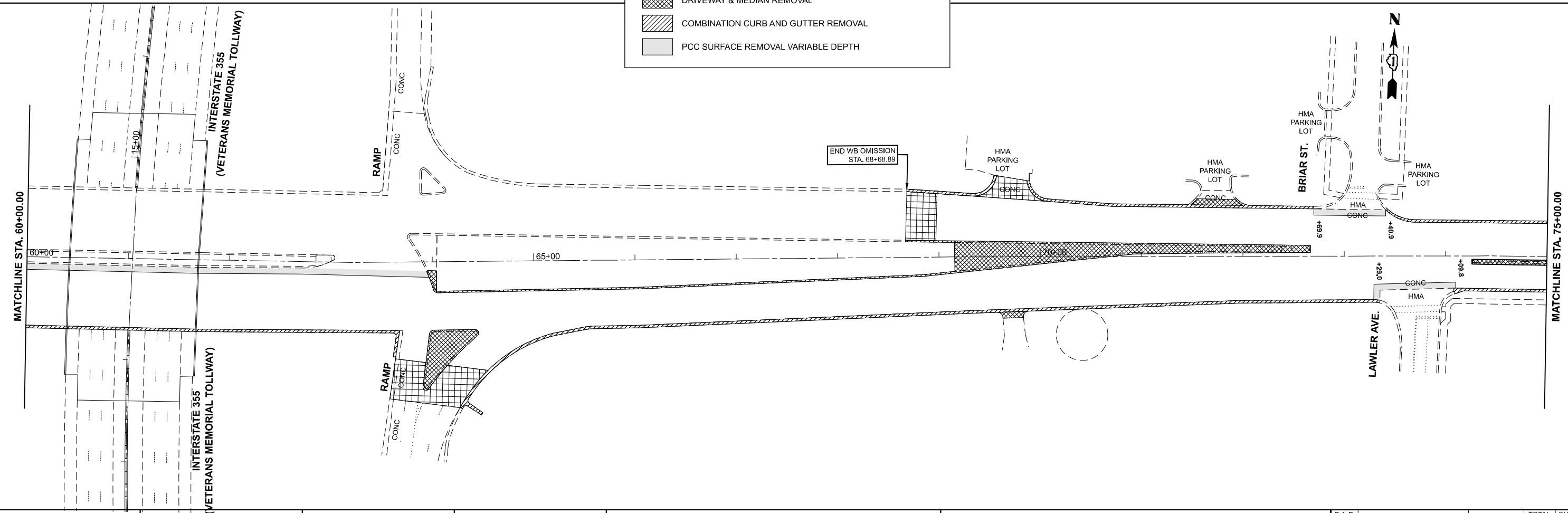
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347	2025-1089-RS	DUPAGE	50	8
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 38
(ROOSEVELT ROAD)



LEGEND

-  PCC SURFACE REMOVAL - BUTT JOINT
-  DRIVEWAY & MEDIAN REMOVAL
-  COMBINATION CURB AND GUTTER REMOVAL
-  PCC SURFACE REMOVAL VARIABLE DEPTH



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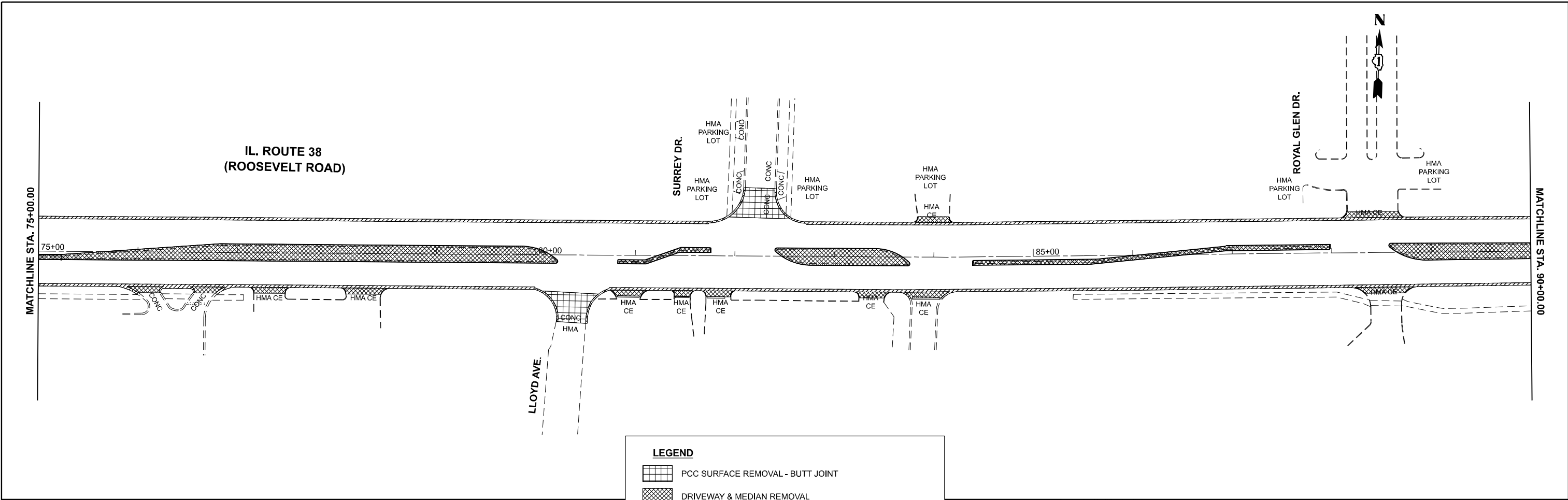
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION





ROADWAY REMOVAL PLANS
IL 38 - EAST OF NICOLL WAY TO EDSON AVE

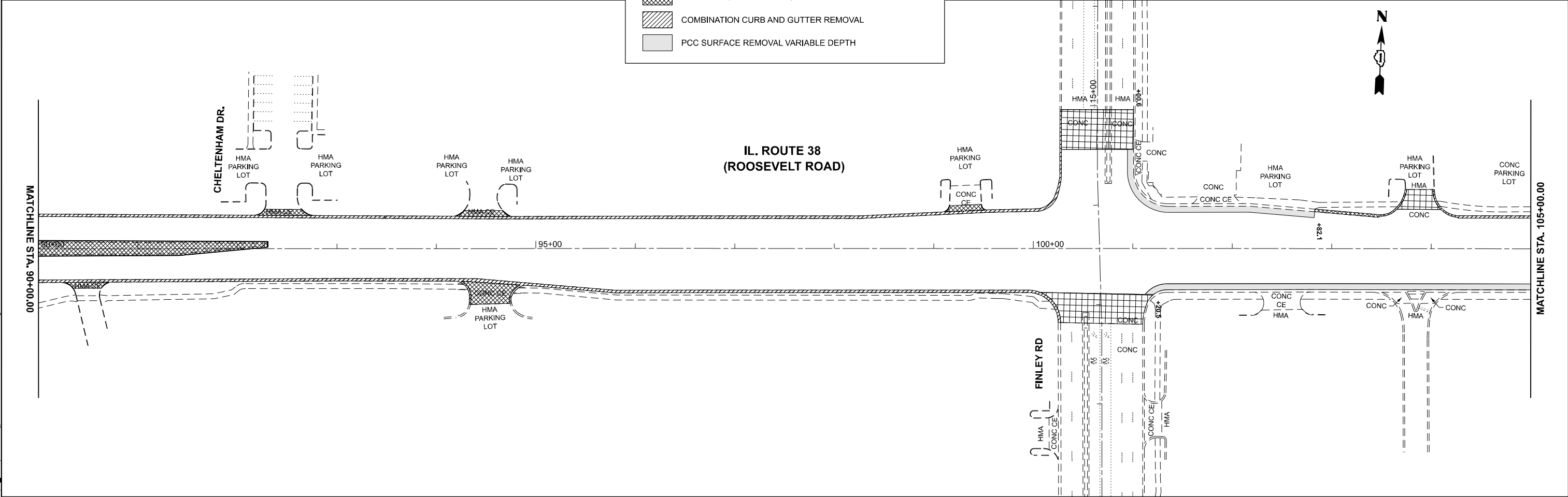
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	9
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				



LEGEND

-  PCC SURFACE REMOVAL - BUTT JOINT
-  DRIVEWAY & MEDIAN REMOVAL
-  COMBINATION CURB AND GUTTER REMOVAL
-  PCC SURFACE REMOVAL VARIABLE DEPTH



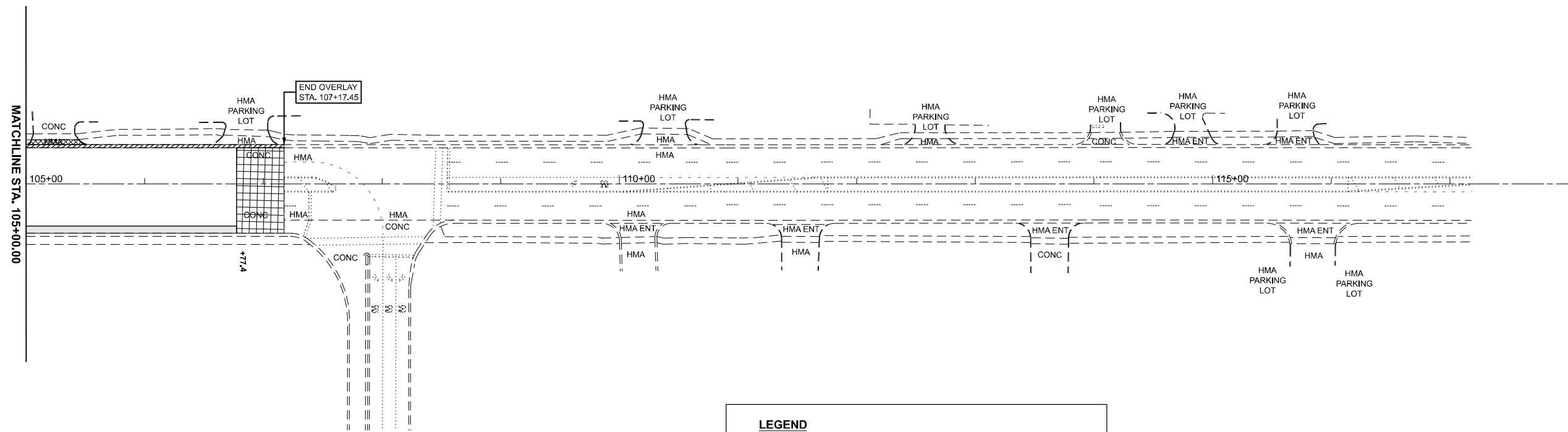
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/16/2026	DATE -	REVISED -





**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY REMOVAL PLANS	
IL 38 - EAST OF NICOLL WAY TO EDSON AVE	
SCALE: 1"=50'	SHEET 3 OF 4 SHEETS
STA. 75+00.00	TO STA. 105+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	10
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				



LEGEND

-  PCC SURFACE REMOVAL - BUTT JOINT
-  DRIVEWAY & MEDIAN REMOVAL
-  COMBINATION CURB AND GUTTER REMOVAL
-  PCC SURFACE REMOVAL VARIABLE DEPTH

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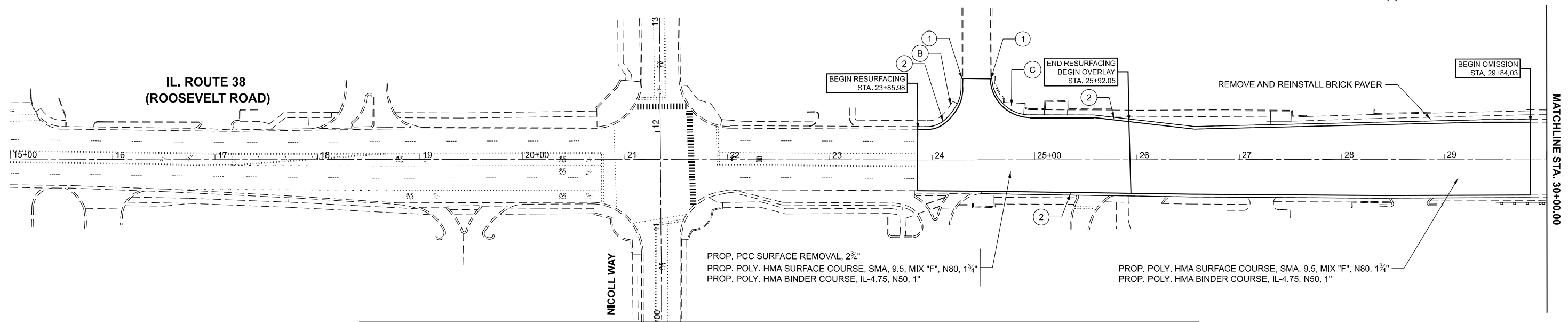
USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/16/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY REMOVAL PLANS
IL 38 - EAST OF NICOLL WAY TO EDSON AVE

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 105+00.00 TO STA. 120+00.00

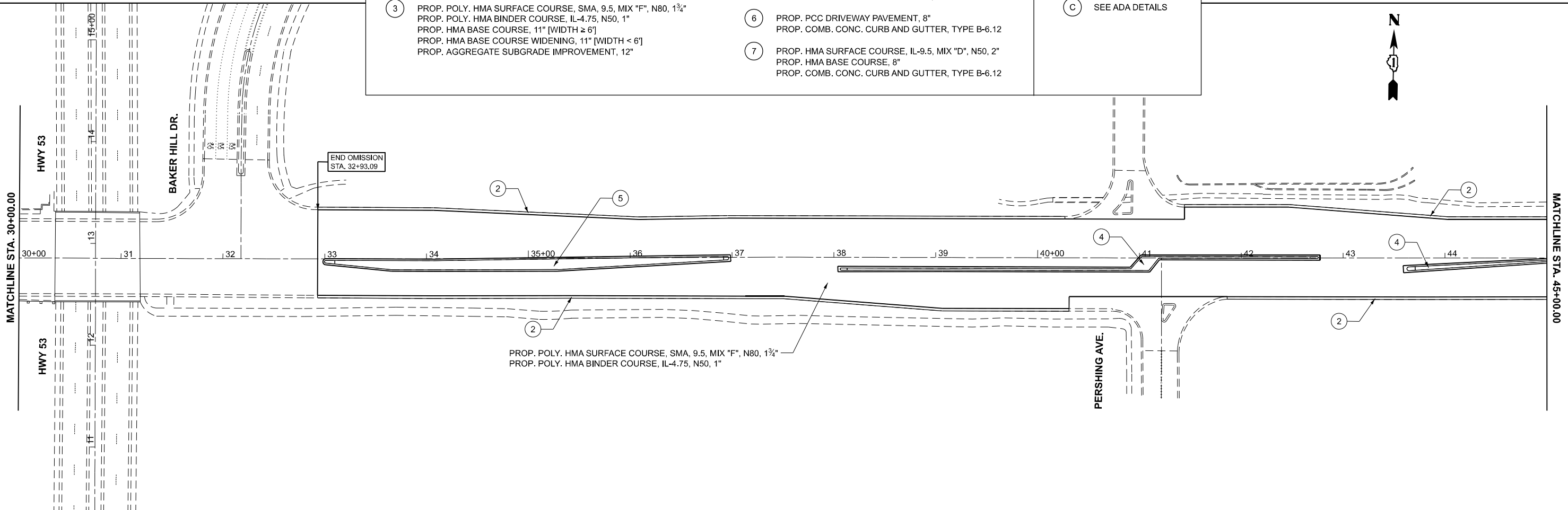
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	11
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				



PROP. PCC SURFACE REMOVAL, 2 1/4"
 PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
 PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 1"

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

PAVEMENT LEGEND		SIDEWALK LEGEND	
1	PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12	A	PD-01B
2	PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.24	B	PD-06A
3	PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4" PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 1" PROP. HMA BASE COURSE, 11" [WIDTH ≥ 6'] PROP. HMA BASE COURSE WIDENING, 11" [WIDTH < 6'] PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"	C	SEE ADA DETAILS
4	PROP. CONCRETE MEDIAN, TYPE SB-6.12		
5	PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12 PROP. CONCRETE MEDIAN SURFACE, 4"		
6	PROP. PCC DRIVEWAY PAVEMENT, 8" PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12		
7	PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2" PROP. HMA BASE COURSE, 8" PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12		



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

MODEL: IL_38 - Roadway Plan (Sheet)
 FILE NAME: c:\p\work\pav\road\plan\id1143894\id116825-shh-plan.dgn

USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/16/2026	DATE -	REVISED -

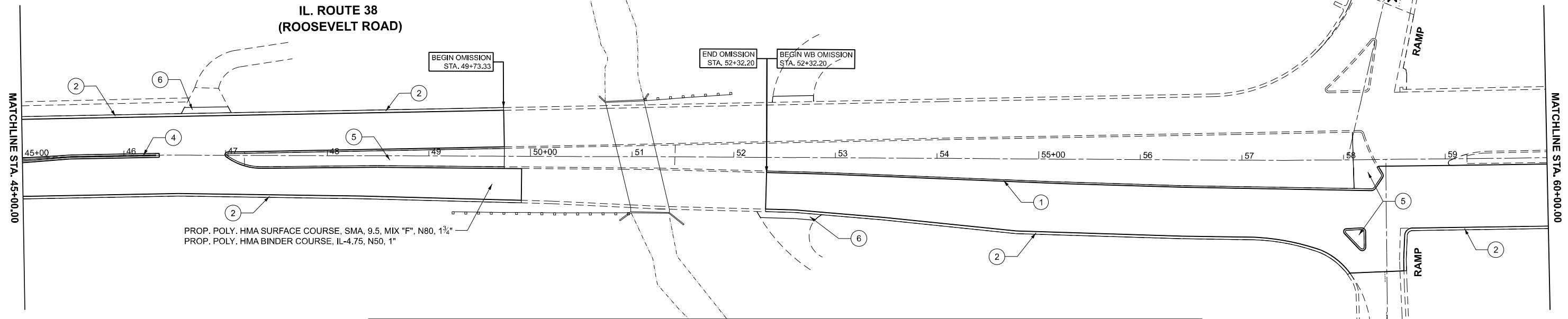
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY PLANS
 IL 38 - EAST OF NICOLL WAY TO EDSON AVE**

SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 15+00.00 TO STA. 45+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	12
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				

**IL. ROUTE 38
(ROOSEVELT ROAD)**



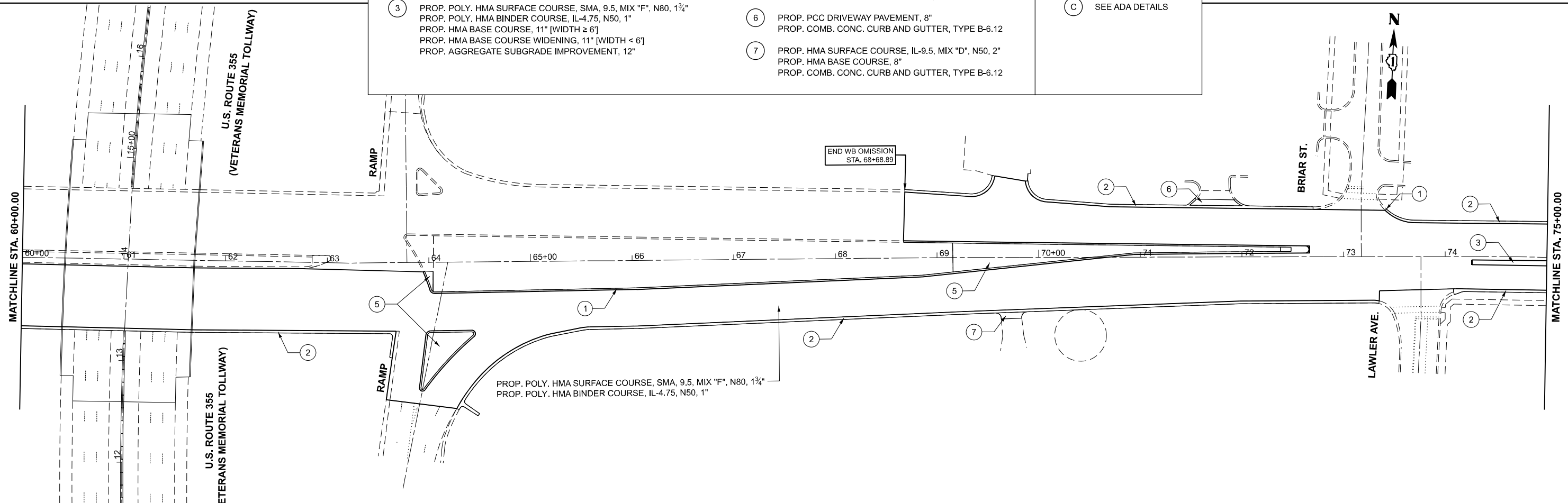
PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 1"

PAVEMENT LEGEND

- ① PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- ② PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.24
- ③ PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 1"
PROP. HMA BASE COURSE, 11" [WIDTH ≥ 6']
PROP. HMA BASE COURSE WIDENING, 11" [WIDTH < 6']
PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ④ PROP. CONCRETE MEDIAN, TYPE SB-6.12
- ⑤ PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12
PROP. CONCRETE MEDIAN SURFACE, 4"
- ⑥ PROP. PCC DRIVEWAY PAVEMENT, 8"
PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- ⑦ PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
PROP. HMA BASE COURSE, 8"
PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12

SIDEWALK LEGEND

- Ⓐ PD-01B
- Ⓑ PD-06A
- Ⓒ SEE ADA DETAILS



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

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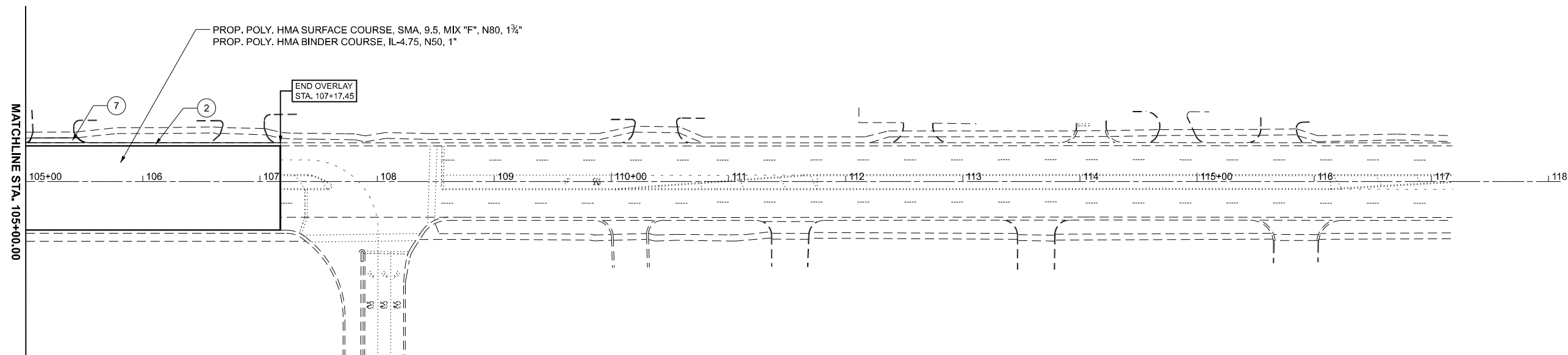
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/16/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY PLANS
IL 38 - EAST OF NICOLL WAY TO EDSON AVE**

SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 45+00.00 TO STA. 75+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	13
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				



PAVEMENT LEGEND

- ① PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- ② PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.24
- ③ PROP. POLY. HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 1"
PROP. HMA BASE COURSE, 11" [WIDTH ≥ 6']
PROP. HMA BASE COURSE WIDENING, 11" [WIDTH < 6']
PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"

- ④ PROP. CONCRETE MEDIAN, TYPE SB-6.12
- ⑤ PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12
PROP. CONCRETE MEDIAN SURFACE, 4"
- ⑥ PROP. PCC DRIVEWAY PAVEMENT, 8"
PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- ⑦ PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 2"
PROP. HMA BASE COURSE, 8"
PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12

SIDEWALK LEGEND

- Ⓐ PD-01B
- Ⓑ PD-06A
- Ⓒ SEE ADA DETAILS

MODEL: IL 38 - Roadway Plan-6 (Sheet)
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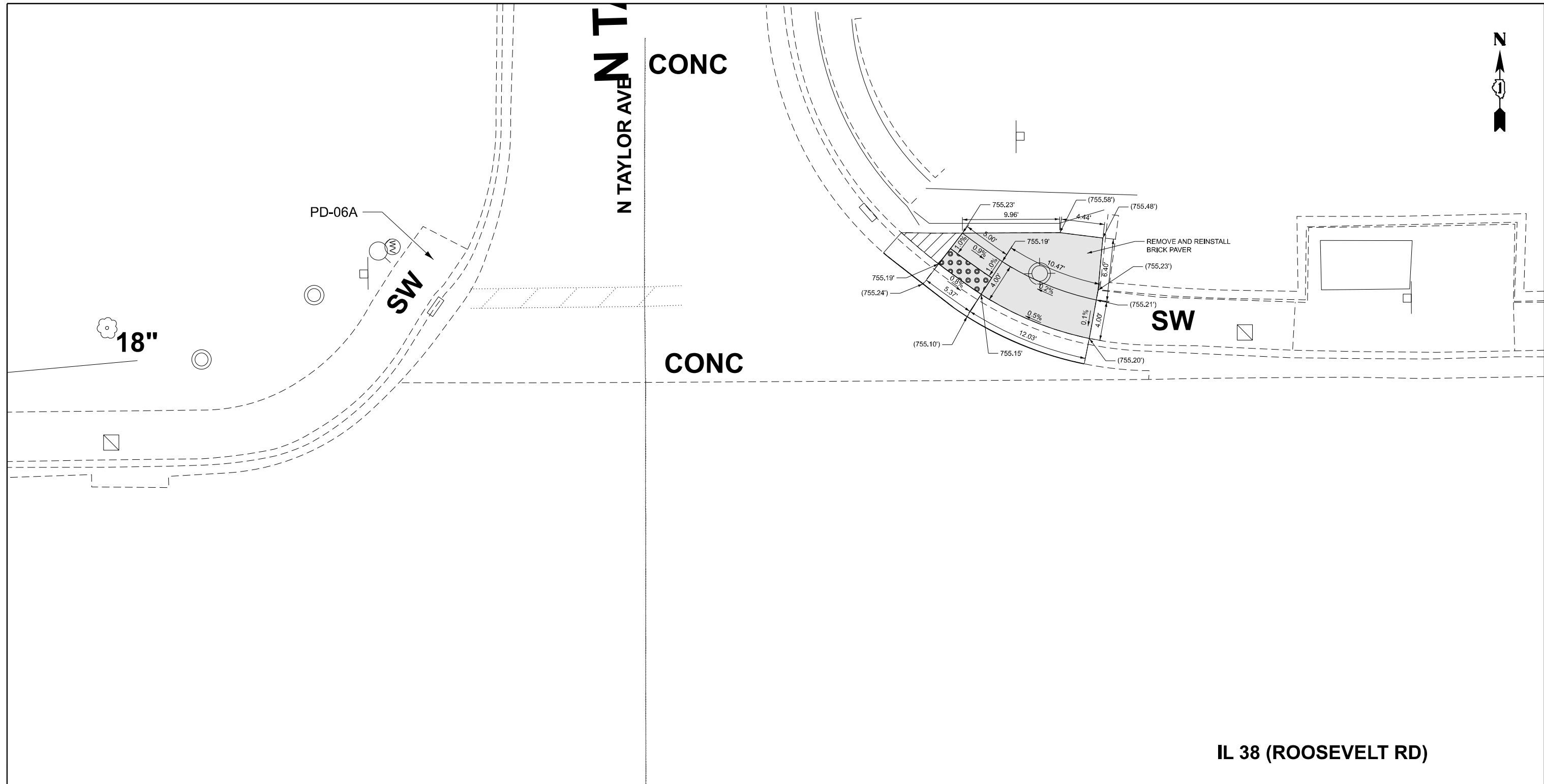
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/16/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY PLANS
IL 38 - EAST OF NICOLL WAY TO EDSON AVE**

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 105+00.00 TO STA. 120+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	15
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				



IL 38 (ROOSEVELT RD)

LEGEND

xx.xx'

EXISTING LENGTH



PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV.: 759.30'

BENCHMARK: "X" IN N.E. BOLT OF F.H.

LOCATION: N.W. CORNER OF IL 38 & TAYLOR AVE

MODEL: ADA-01 (Sheet)
FILE NAME: c:\p\work\civil\trajip\d1143894\d116825-shh-ADA.dgn

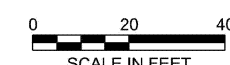
USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/4/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS
IL 38 - EAST OF NICOLL WAY TO EDSON AVE**

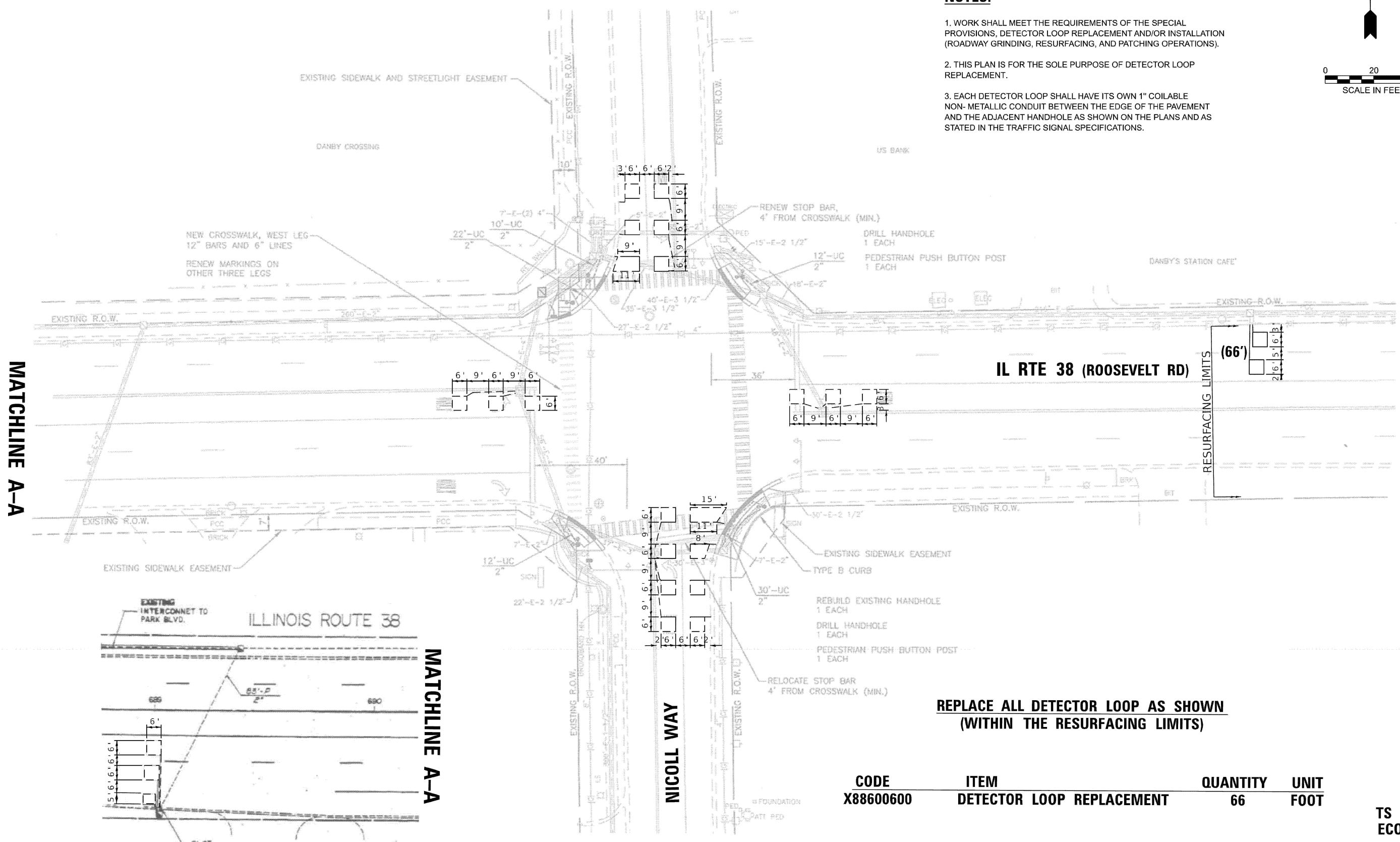
SCALE: SHEET 1 OF 1 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	16
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				



NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.
3. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF THE PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



**REPLACE ALL DETECTOR LOOP AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
X88600600	DETECTOR LOOP REPLACEMENT	66	FOOT

**TS 20631
ECON 40**

MODEL: APS-01 (Sheet)
FILE NAME: c:\p\work\1143894\1143894.dwg

USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/4/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

APS & DETECTOR LOOP PLANS IL 38 (ROOSEVELT ROAD) AT NICOLL WAY			
SCALE:	SHEET 1	OF 8 SHEETS	STA. TO STA.

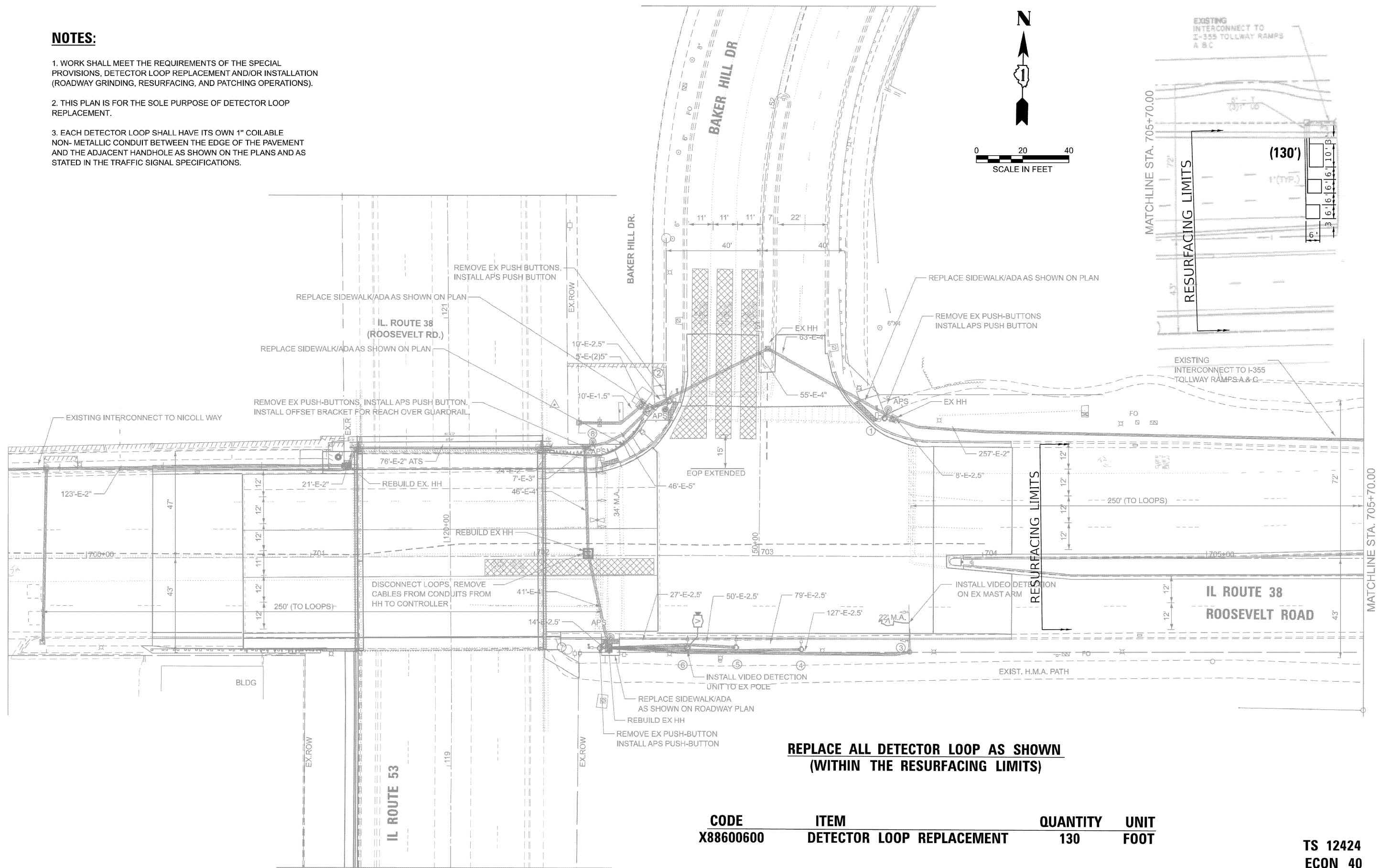
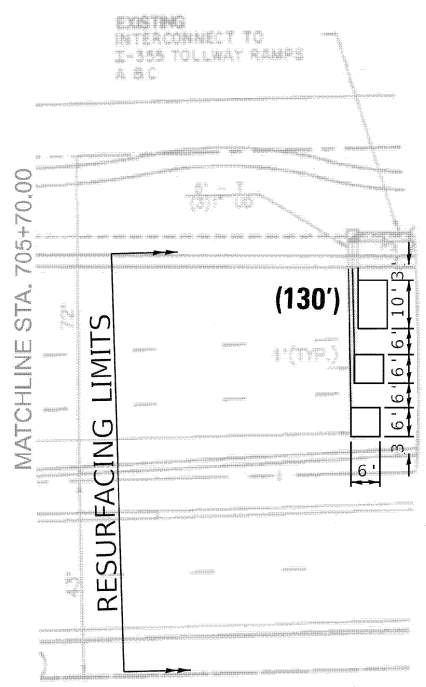
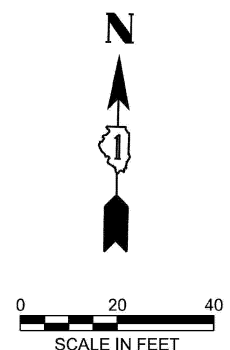
F.A.P. RTE. 347	SECTION 2025-1089-RS	COUNTY DUPAGE	TOTAL SHEETS 50	SHEET NO. 17
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

3. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON- METALLIC CONDUIT BETWEEN THE EDGE OF THE PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



CODE	ITEM	QUANTITY	UNIT
X88600600	DETECTOR LOOP REPLACEMENT	130	FOOT

**TS 12424
ECON 40**

MODEL: APS-02 [Sheet]
FILE NAME: c:\p\work\control\proj\1143894\ID116825-sht-TS.dgn

USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/16/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**APS & DETECTOR LOOP PLANS
IL 38 (ROOSEVELT ROAD) AT NICOLL WAY**

SCALE: SHEET APS-02 (30x60) SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	17A
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				

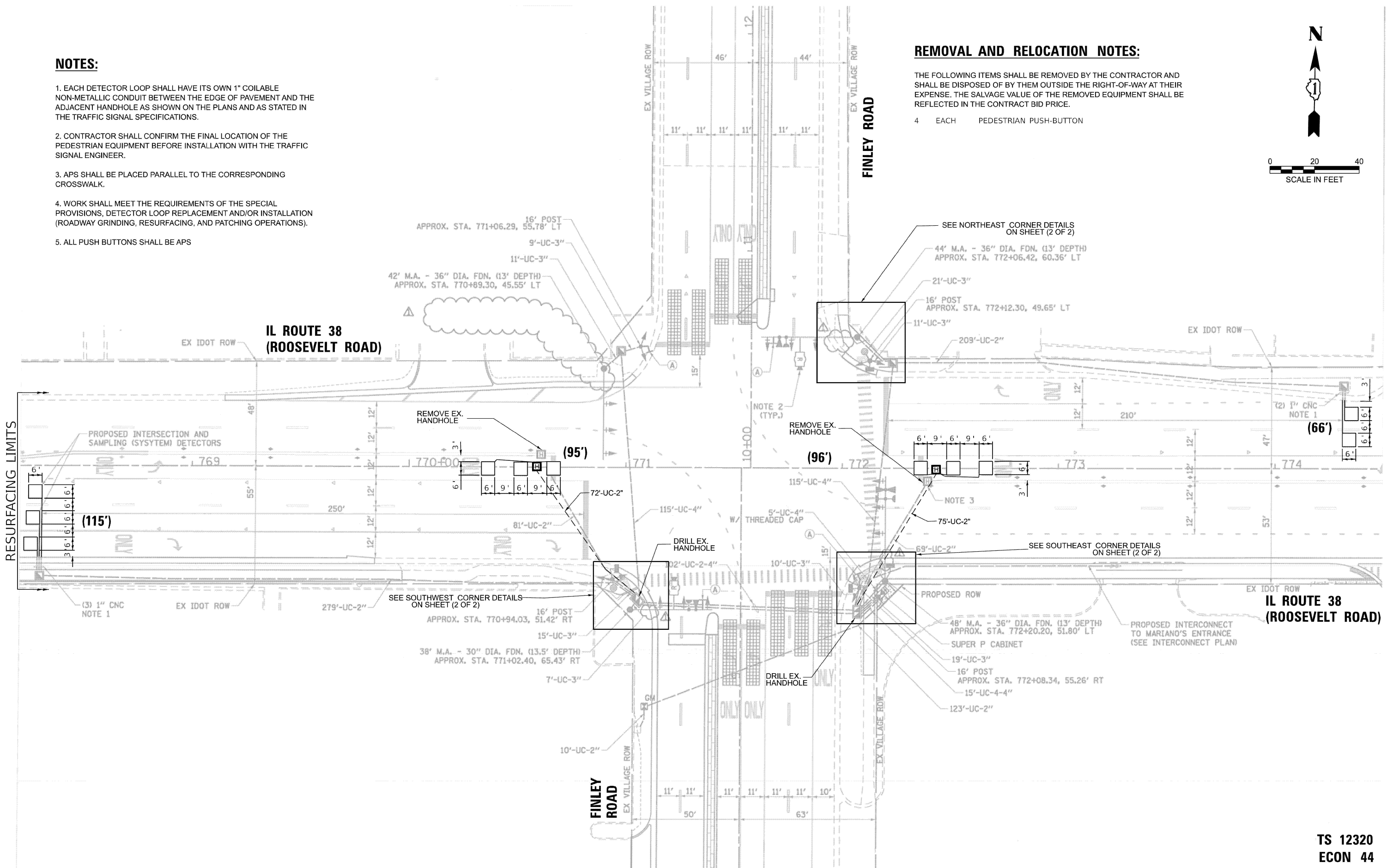
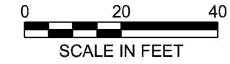
NOTES:

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

REMOVAL AND RELOCATION NOTES:

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

4 EACH PEDESTRIAN PUSH-BUTTON



MODEL: APS-02 (Sheet)
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**TS 12320
ECON 44**

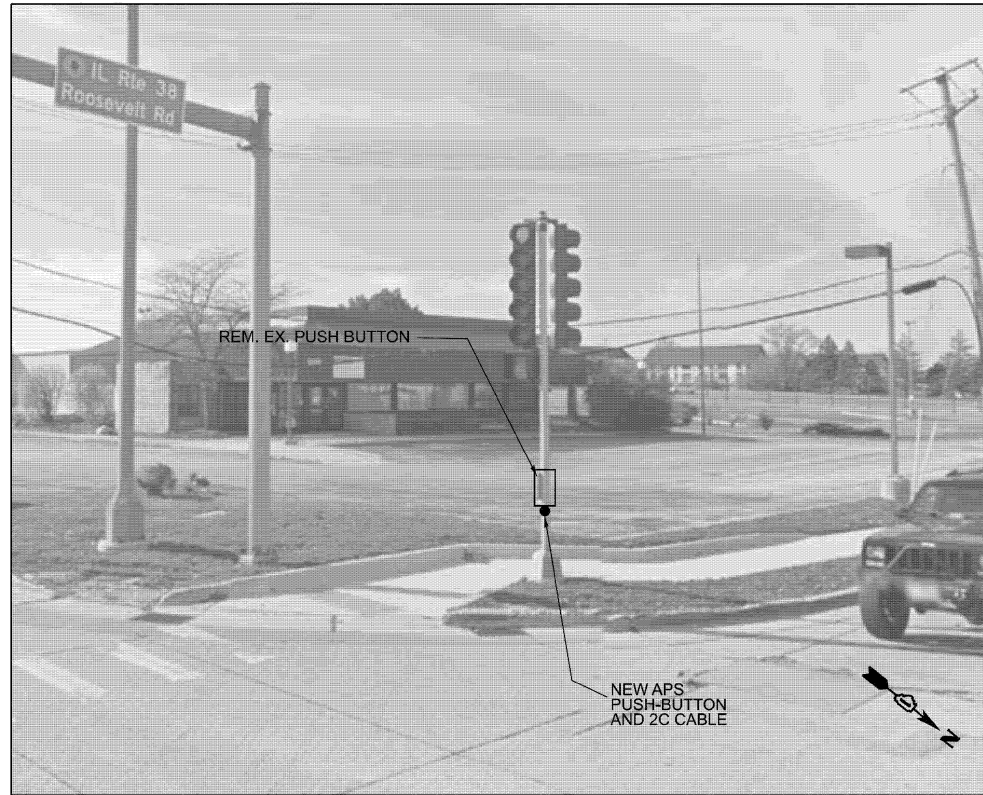
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	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

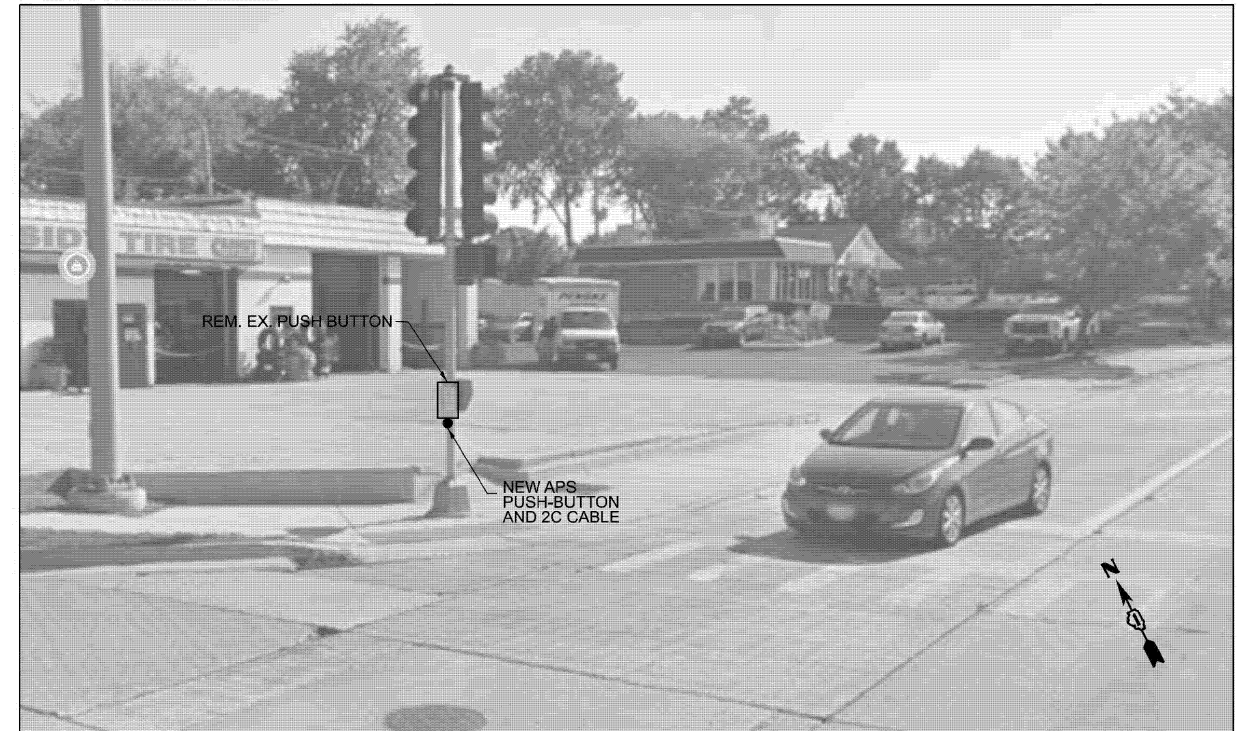
**APS & DETECTOR LOOP PLANS
IL 38 (ROOSEVELT ROAD) AT FINLEY ROAD**

SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	18
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				



SOUTHWEST CORNER



NORTHEAST CORNER



SOUTHEAST CORNER

MODEL: APS-03 [Sheet]
FILE NAME: c:\p\work\16825\16825-sht-15.dgn

USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

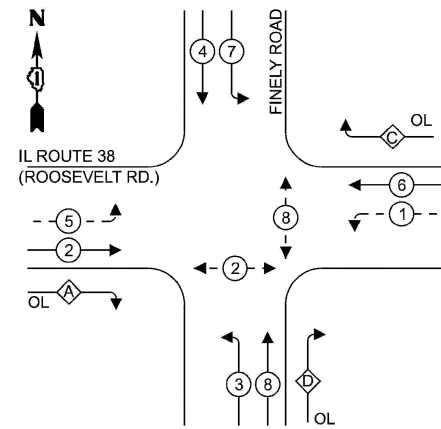
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**APS & DETECTOR LOOP PLANS
IL 38 (ROOSEVELT ROAD) AT FINLEY ROAD**

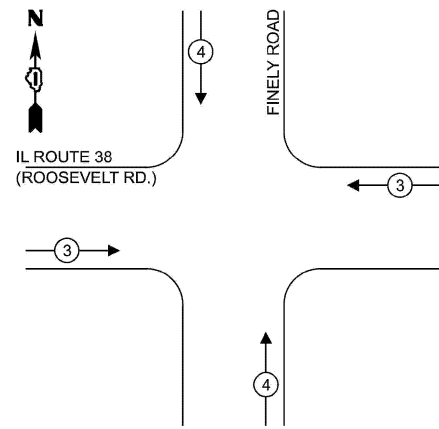
SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	19
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION

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

LEGEND:

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	147
HEAVY-DUTY HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	464
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	115
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	372
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	464
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	92
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

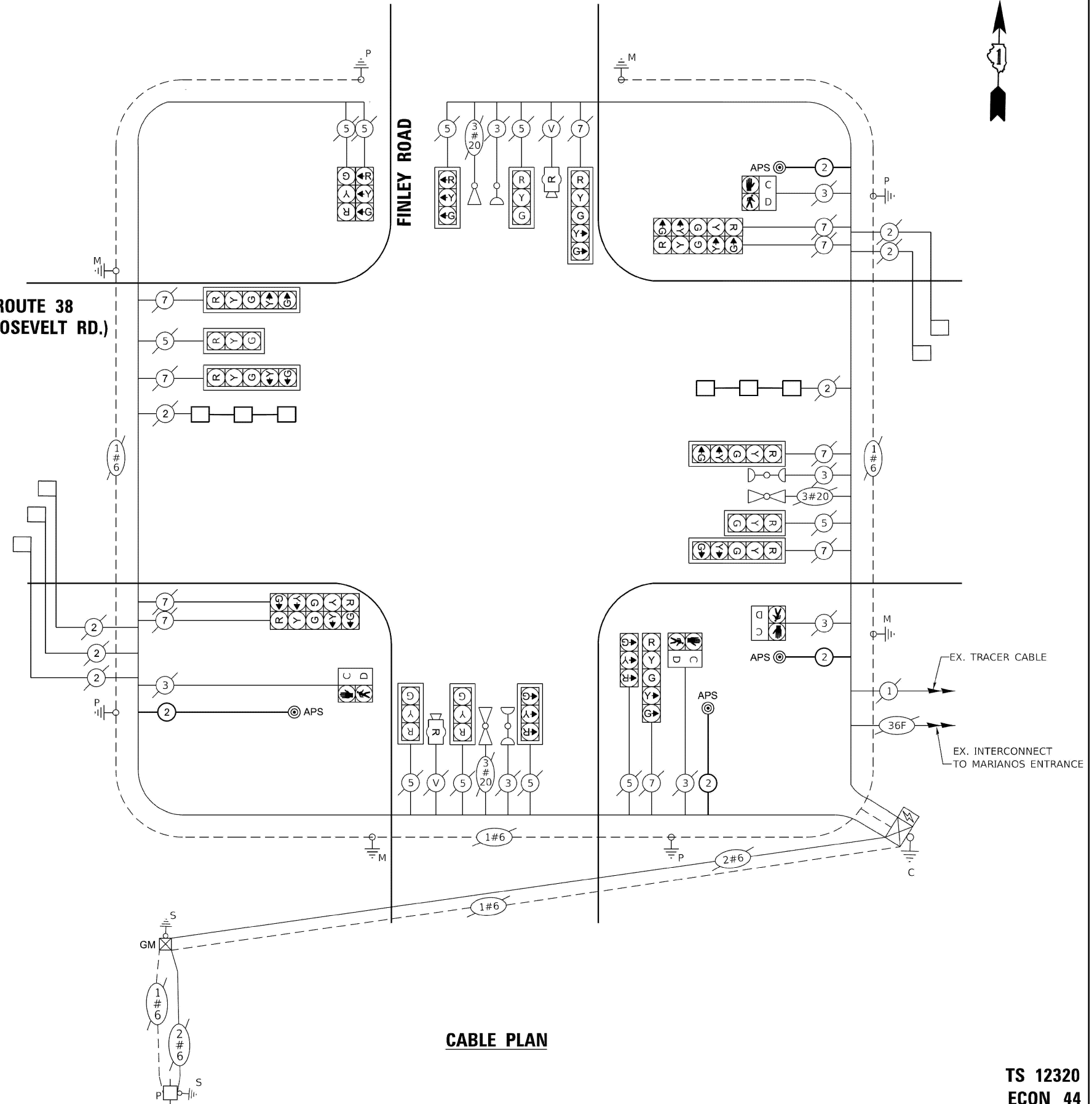
EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	2	20	40
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
TOTAL UPS SIZING		515	
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	-
TOTAL SERVICE WIRE SIZING		1420	

ENERGY COSTS TO:

ENERGY SUPPLY:

CONTACT: ANTONIO RIOS
 PHONE: 630-696-6855
 COMPANY: COMED
 ACCOUNT NUMBER: -
 METER NUMBER: -

IL ROUTE 38 (ROOSEVELT RD.)



CABLE PLAN

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**APS & DETECTOR LOOP PLANS
 IL 38 (ROOSEVELT ROAD) AT FINLEY ROAD**

SCALE: SHEET 4 OF 8 SHEETS STA. TO STA.

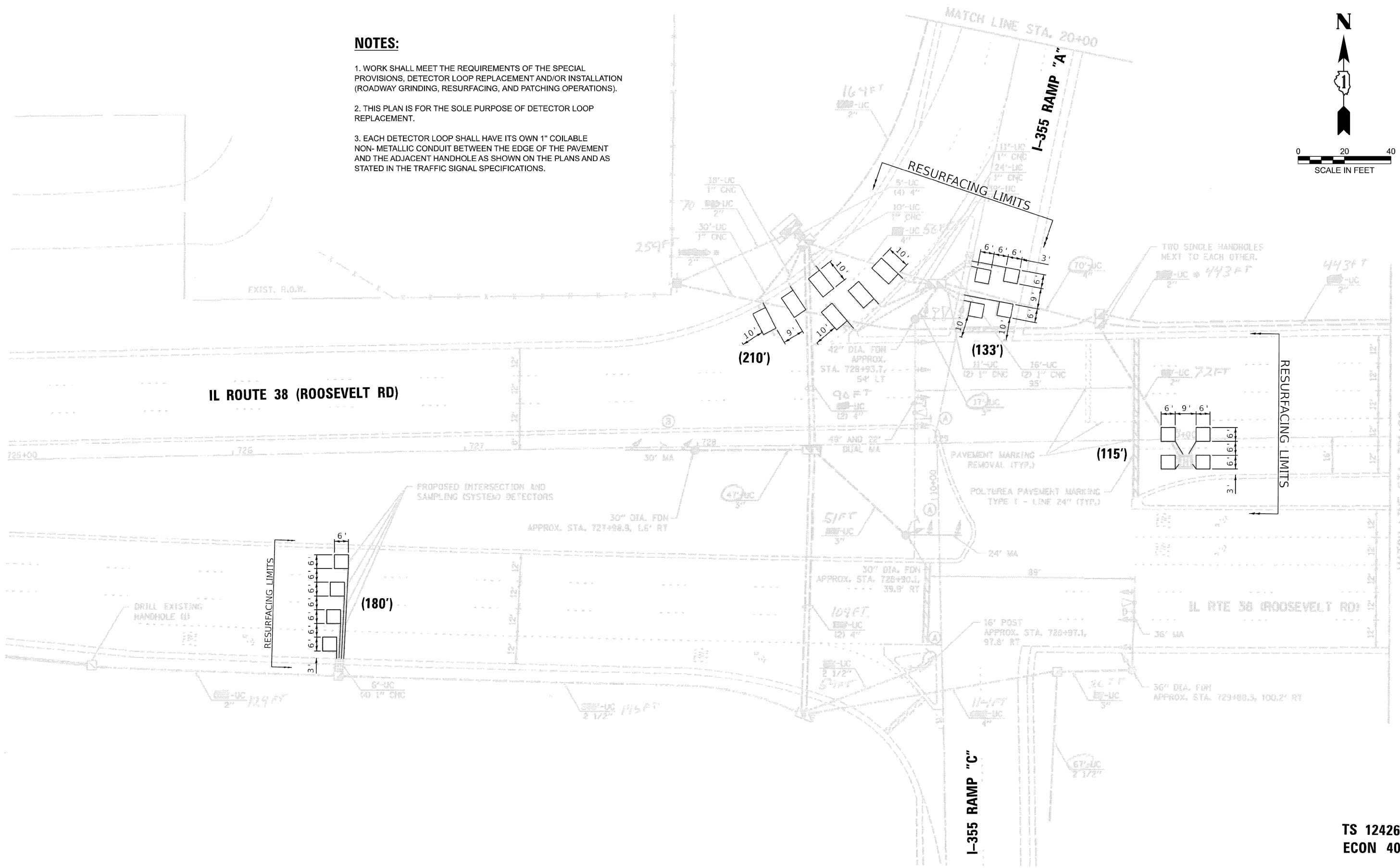
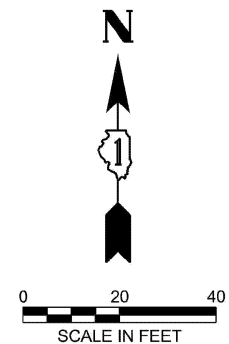
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	20
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				

**TS 12320
 ECON 44**

MODEL: APS-04 (Sheet) FILE NAME: c:\p\work\1089\1143894\1143894.dwg

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.
3. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON- METALLIC CONDUIT BETWEEN THE EDGE OF THE PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



MODEL: APS-05 (Sheet)
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USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

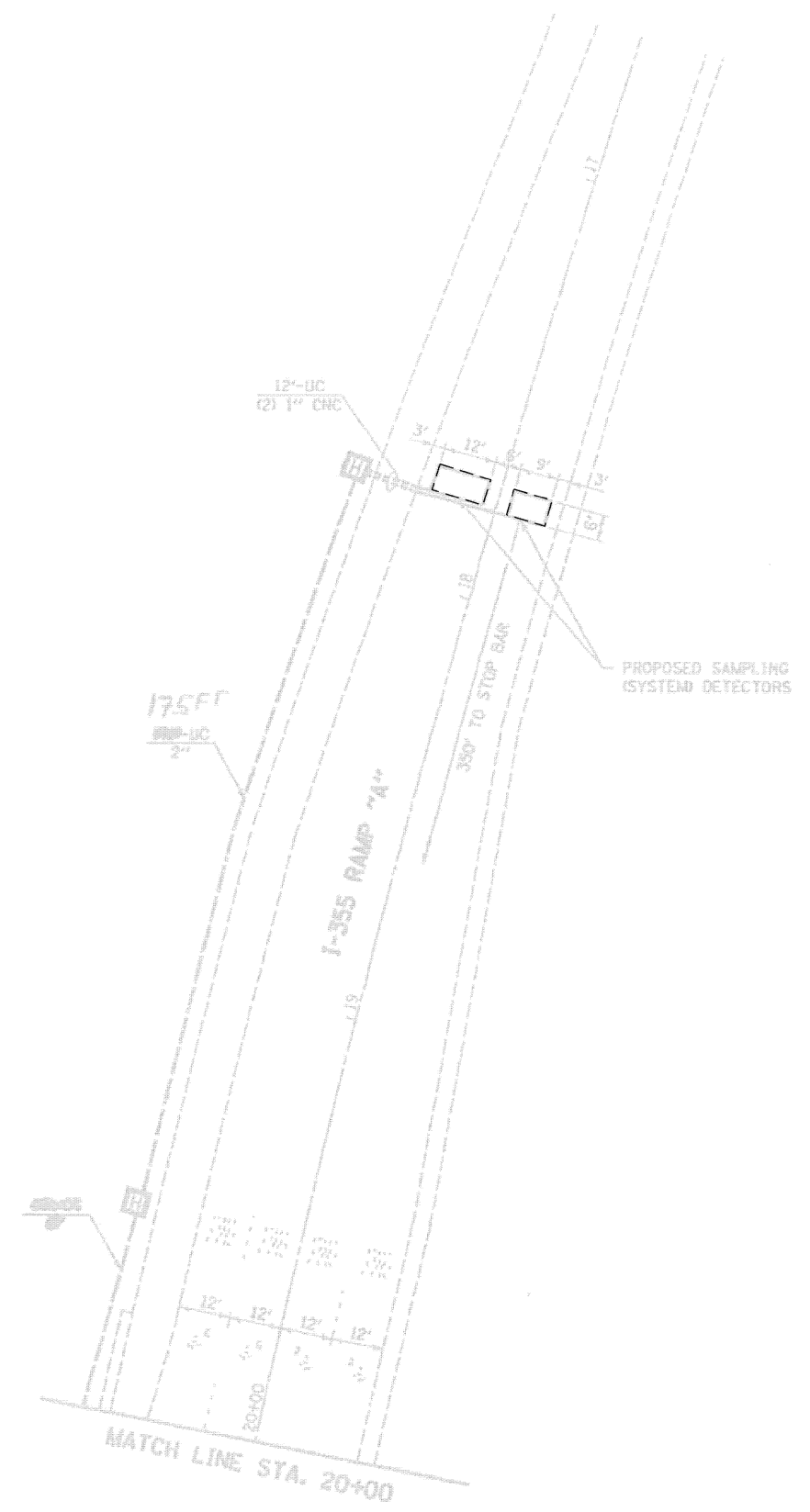
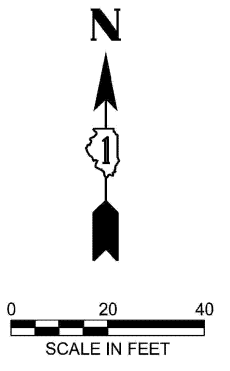
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APS & DETECTOR LOOP PLANS
IL 38 (ROOSEVELT ROAD) AT I-355 SB RAMPS "A" AND "C"

SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION 2025-1089-RS	COUNTY DUPAGE	TOTAL SHEETS 50	SHEET NO. 21
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				

TS 12426
ECON 40



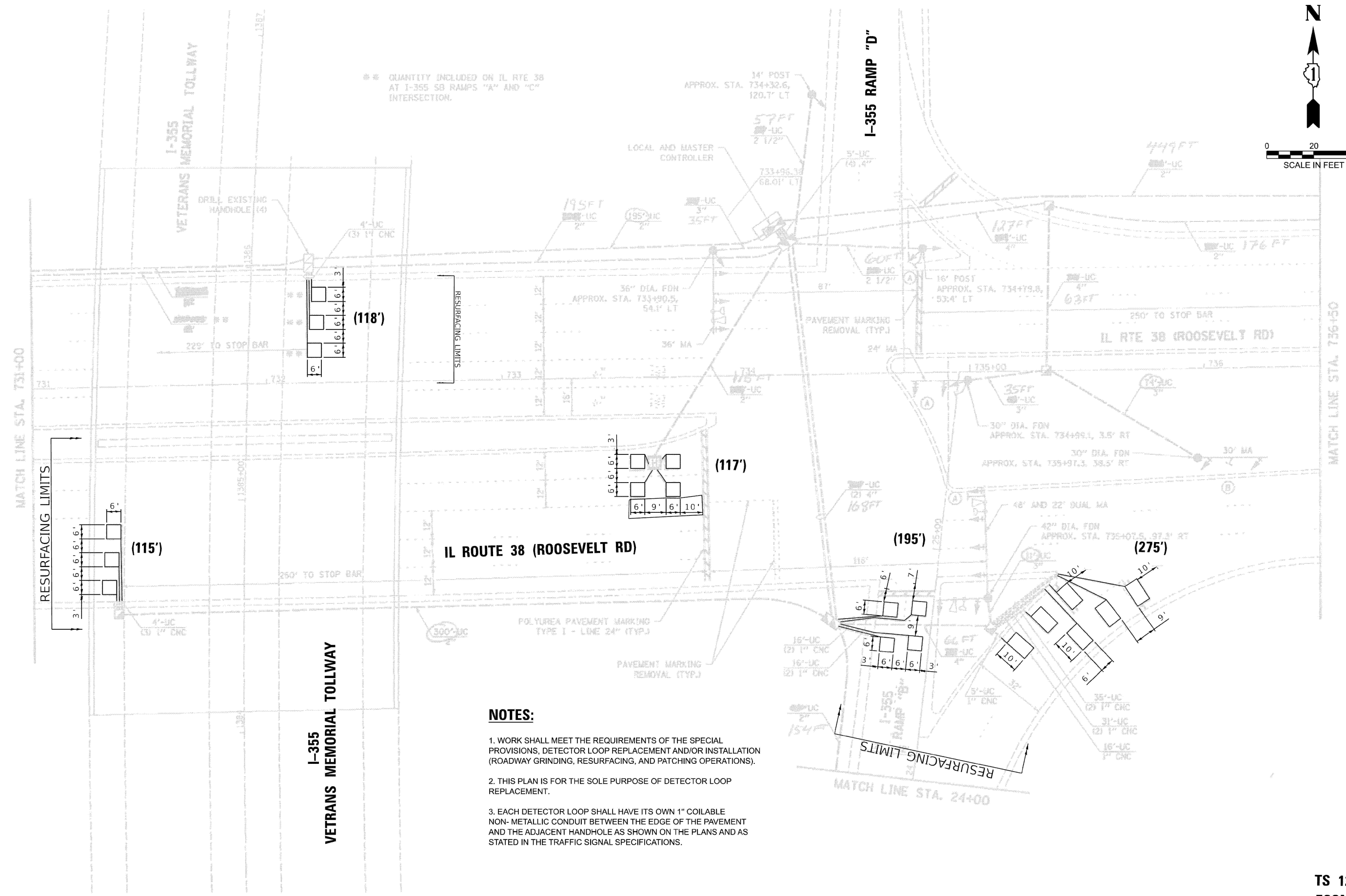
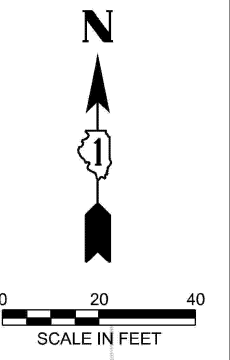
**REPLACE ALL DETECTOR LOOP AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	638	FOOT

MODEL: APS-06 (Sheet)
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**TS 12426
ECON 40**

USER NAME = Jacob.Roth	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	APS & DETECTOR LOOP PLANS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -		IL 38 (ROOSEVELT ROAD) AT I-355 SB RAMPS "A" AND "C"				347	2025-1089-RS	DUPAGE	50	22
	CHECKED -	REVISED -						CONTRACT NO. 80B15				
PLOT DATE = 12/5/2025	DATE -	REVISED -		SCALE:				SHEET 6	OF 8	SHEETS	STA.	TO STA.



QUANTITY INCLUDED ON IL RTE 38 AT I-355 SB RAMPS "A" AND "C" INTERSECTION.

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.
3. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF THE PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

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USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

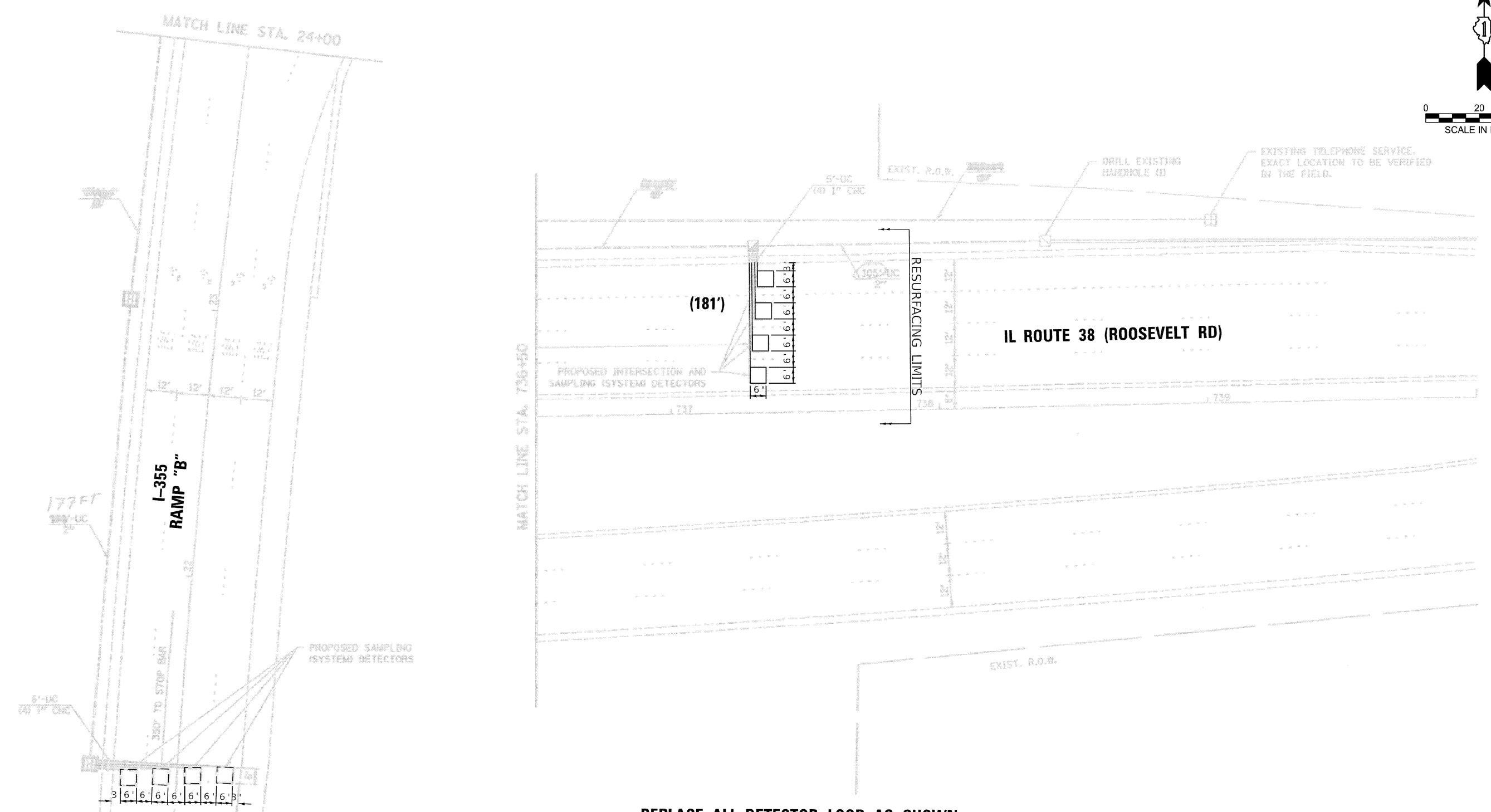
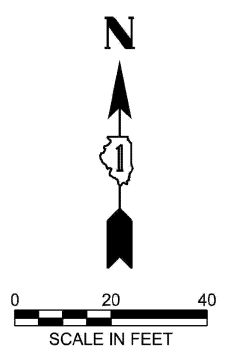
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**APS & DETECTOR LOOP PLANS
IL 38 (ROOSEVELT ROAD) AT I-355 NB RAMPS "B" AND "D"**

SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION 2025-1089-RS	COUNTY	TOTAL SHEETS 50	SHEET NO. 23
			CONTRACT NO. 80B15	
ILLINOIS FED. AID PROJECT				

**TS 12425
ECON 40**



**REPLACE ALL DETECTOR LOOP AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
X88600600	DETECTOR LOOP REPLACEMENT	1001	FOOT

**TS 12425
ECON 40**

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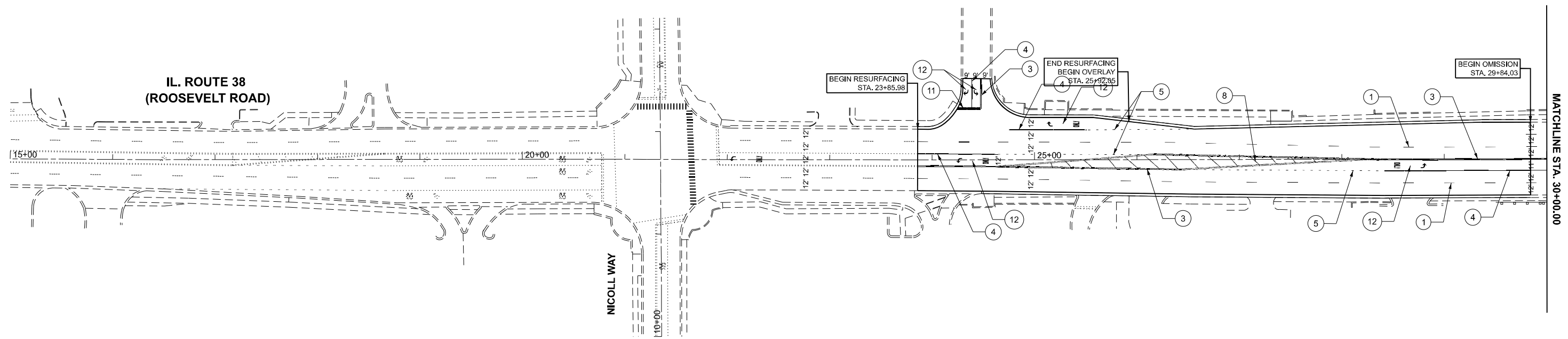
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**APS & DETECTOR LOOP PLANS
IL 38 (ROOSEVELT ROAD) AT I-355 NB RAMPS "B" AND "D"**

SCALE: SHEET 8 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	24
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				



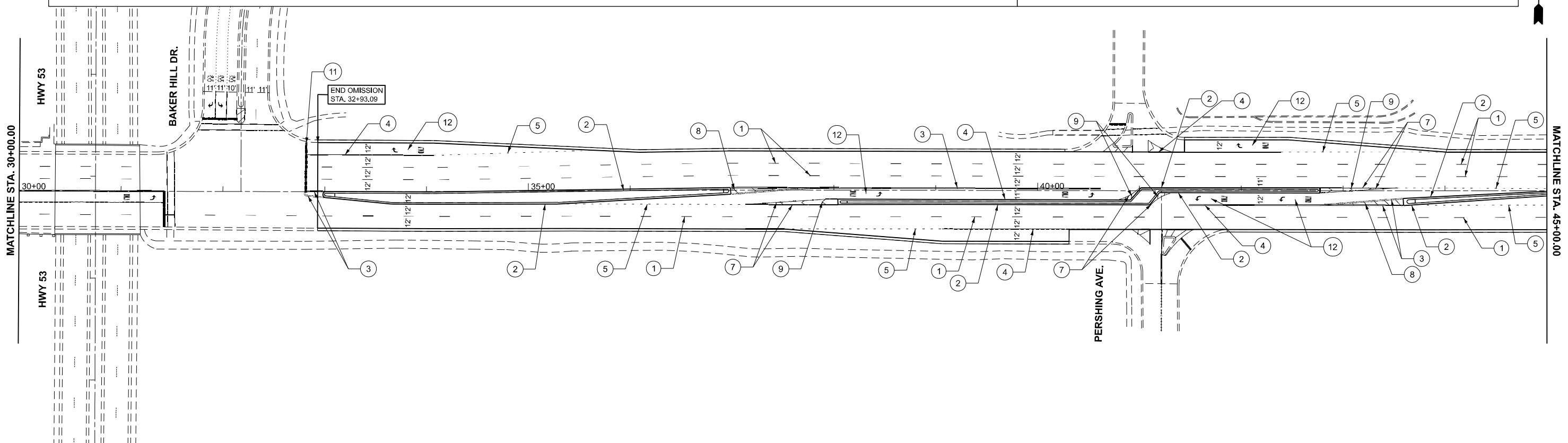
MATCHLINE STA. 30+00.00

THERMOPLASTIC PAVEMENT MARKING LEGEND

- | | | | |
|--|--|--|--|
| ① PROP. THERMOPLASTIC PAVT. MARKING, 4" 10' DASH, 30' SKIP, WHITE (TYP.) | ④ PROP. THERMOPLASTIC PAVT. MARKING, 6" TURN LANE LINE, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PAVT. MARKING, 8" SOLID LINE, GORE, WHITE (TYP.) | ⑩ PROP. THERMOPLASTIC PAVT. MARKING, 12" CROSSWALK @ 90°, 2' C-C, WHITE (TYP.) |
| ② PROP. THERMOPLASTIC PAVT. MARKING, 4" SOLID LINE, YELLOW (TYP.) | ⑤ PROP. THERMOPLASTIC PAVT. MARKING, 6" 2' DASH, 6' SKIP, WHITE (TYP.) | ⑧ PROP. THERMOPLASTIC PAVT. MARKING, 12" MEDIAN @ 45°, YELLOW (TYP.) (5 MINIMUM) | ⑪ PROP. THERMOPLASTIC PAVT. MARKING, 24" STOP BAR, WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PAVT. MARKING, 4" DOUBLE YELLOW @ 11" C-C (TYP.) | ⑥ PROP. THERMOPLASTIC PAVT. MARKING, 6" CROSSWALK @ 6' C-C, WHITE (TYP.) | ⑨ PROP. THERMOPLASTIC PAVT. MARKING, 12" MEDIAN @ 45°, WHITE (TYP.) (5 MINIMUM) | ⑫ PROP. THERMOPLASTIC PAVT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.) |

MODIFIED URETHANE PAVEMENT MARKING LEGEND

- | | |
|--|---|
| Ⓐ PROP. MODIFIED URETHANE PAVT. MARKING, 4" 10' DASH, 30' SKIP, WHITE (TYP.) | Ⓔ PROP. MODIFIED URETHANE PAVT. MARKING, 8" SOLID LINE, GORE, WHITE (TYP.) |
| Ⓑ PROP. MODIFIED URETHANE PAVT. MARKING, 4" SOLID LINE, YELLOW (TYP.) | Ⓕ PROP. MODIFIED URETHANE PAVT. MARKING, 12" MEDIAN @ 45°, WHITE (TYP.) (20' C-C) |
| Ⓒ PROP. MODIFIED URETHANE PAVT. MARKING, 6" TURN LANE LINE, WHITE (TYP.) | Ⓖ PROP. MODIFIED URETHANE PAVT. MARKING, 24" STOP BAR, WHITE (TYP.) |
| | Ⓗ PROP. MODIFIED URETHANE PAVT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.) |



MATCHLINE STA. 30+00.00

MATCHLINE STA. 45+00.00



MODEL: IL_38 - PMK 1 (Sheet)
FILE NAME: c:\p\work\pav\road\proj\p1143894\ID116825-shp-pmk.dgn

USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/16/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
IL 38 - EAST OF NICOLL WAY TO EDSON AVE**

SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. 15+00.00 TO STA. 45+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	25
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				

**IL. ROUTE 38
(ROOSEVELT ROAD)**

PROP. MODIFIED URETHANE PVMT. MARKING, 6"
SOLID LINE, YELLOW (TYP.)

PROP. THERMOPLASTIC PVMT. MARKING, 6"
SOLID LINE, YELLOW (TYP.)

BEGIN OMISSION
STA. 49+73.33

END OMISSION
STA. 52+32.20

BEGIN WB OMISSION
STA. 52+32.20

STA. 57+41.74
O/S. 81.74' LT.

STA. 58+51.43
O/S. 71.07' LT.

MATCHLINE STA. 45+00.00

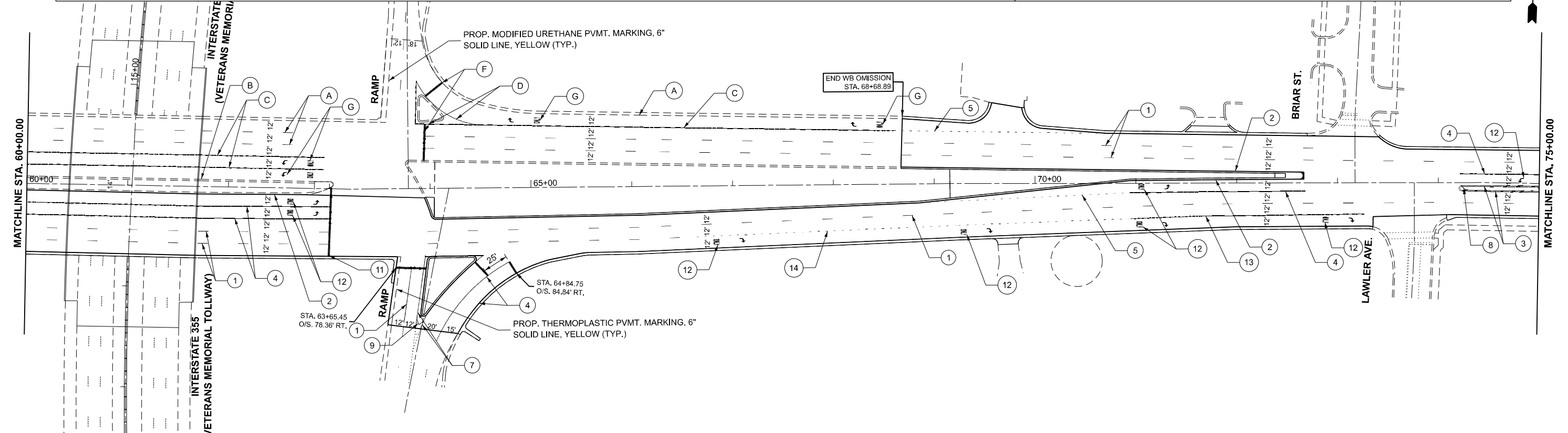
MATCHLINE STA. 60+00.00

**THERMOPLASTIC
PAVEMENT MARKING LEGEND**

- | | | | |
|--|--|--|--|
| ① PROP. THERMOPLASTIC PVMT. MARKING, 4" 10' DASH, 30' SKIP, WHITE (TYP.) | ④ PROP. THERMOPLASTIC PVMT. MARKING, 6" TURN LANE LINE, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT. MARKING, 8" SOLID LINE, GORE, WHITE (TYP.) | ⑩ PROP. THERMOPLASTIC PVMT. MARKING, 12" CROSSWALK @ 90°, 2" C-C, WHITE (TYP.) |
| ② PROP. THERMOPLASTIC PVMT. MARKING, 4" SOLID LINE, YELLOW (TYP.) | ⑤ PROP. THERMOPLASTIC PVMT. MARKING, 6" 2' DASH, 6' SKIP, WHITE (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT. MARKING, 12" MEDIAN @ 45°, YELLOW (TYP.) (5 MINIMUM) | ⑪ PROP. THERMOPLASTIC PVMT. MARKING, 24" STOP BAR, WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PVMT. MARKING, 4" DOUBLE YELLOW @ 11" C-C (TYP.) | ⑥ PROP. THERMOPLASTIC PVMT. MARKING, 6" CROSSWALK @ 6' C-C, WHITE (TYP.) | ⑨ PROP. THERMOPLASTIC PVMT. MARKING, 12" MEDIAN @ 45°, WHITE (TYP.) (5 MINIMUM) | ⑫ PROP. THERMOPLASTIC PVMT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.) |

**MODIFIED URETHANE
PAVEMENT MARKING LEGEND**

- | | |
|--|---|
| Ⓐ PROP. MODIFIED URETHANE PVMT. MARKING, 4" 10' DASH, 30' SKIP, WHITE (TYP.) | Ⓔ PROP. MODIFIED URETHANE PVMT. MARKING, 8" SOLID LINE, GORE, WHITE (TYP.) |
| Ⓑ PROP. MODIFIED URETHANE PVMT. MARKING, 4" SOLID LINE, YELLOW (TYP.) | Ⓕ PROP. MODIFIED URETHANE PVMT. MARKING, 12" MEDIAN @ 45°, WHITE (TYP.) (20' C-C) |
| Ⓒ PROP. MODIFIED URETHANE PVMT. MARKING, 6" TURN LANE LINE, WHITE (TYP.) | Ⓖ PROP. MODIFIED URETHANE PVMT. MARKING, 24" STOP BAR, WHITE (TYP.) |
| | Ⓗ PROP. MODIFIED URETHANE PVMT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.) |



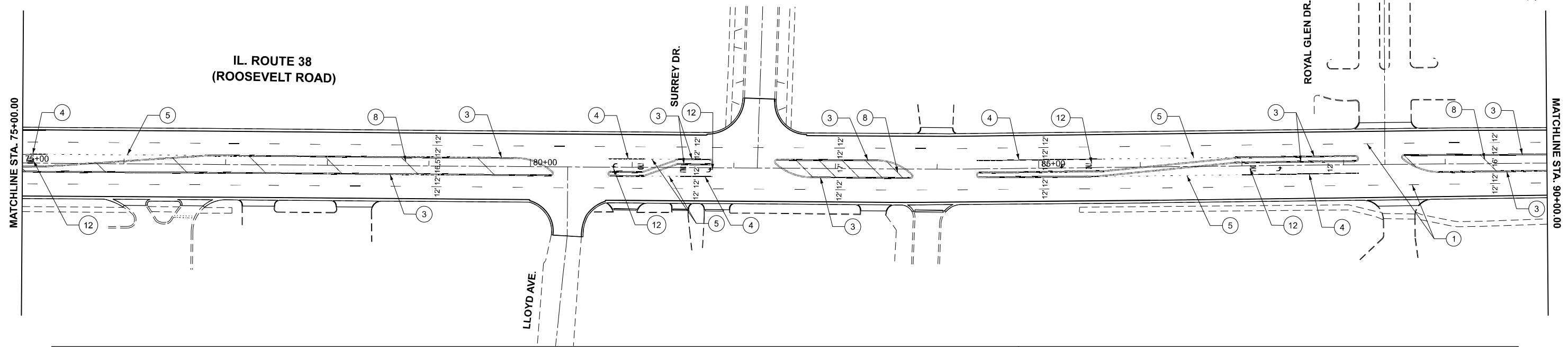
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USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/16/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLANS	
IL 38 - EAST OF NICOLL WAY TO EDSON AVE	
SCALE: 1"=50'	SHEET 2 OF 4 SHEETS
STA. 45+00.00	TO STA. 75+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	26
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				

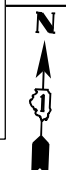
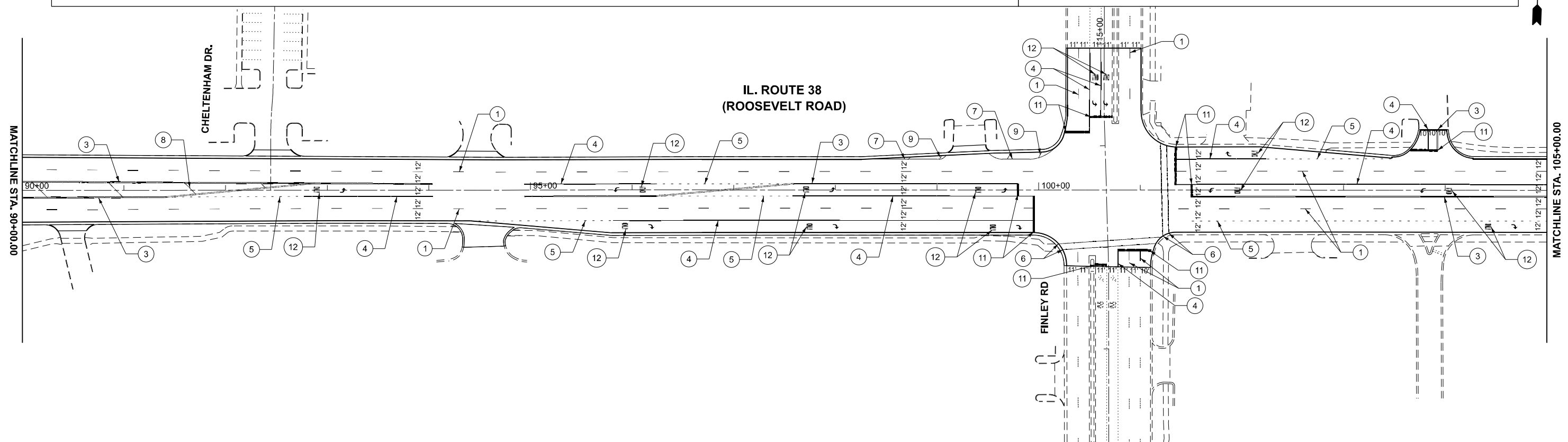


**THERMOPLASTIC
PAVEMENT MARKING LEGEND**

- | | | | |
|--|--|--|--|
| ① PROP. THERMOPLASTIC PVMT. MARKING, 4" 10' DASH, 30' SKIP, WHITE (TYP.) | ④ PROP. THERMOPLASTIC PVMT. MARKING, 6" TURN LANE LINE, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT. MARKING, 8" SOLID LINE, GORE, WHITE (TYP.) | ⑩ PROP. THERMOPLASTIC PVMT. MARKING, 12" CROSSWALK @ 90°, 2' C-C, WHITE (TYP.) |
| ② PROP. THERMOPLASTIC PVMT. MARKING, 4" SOLID LINE, YELLOW (TYP.) | ⑤ PROP. THERMOPLASTIC PVMT. MARKING, 6" 2' DASH, 6' SKIP, WHITE (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT. MARKING, 12" MEDIAN @ 45°, YELLOW (TYP.) (5 MINIMUM) | ⑪ PROP. THERMOPLASTIC PVMT. MARKING, 24" STOP BAR, WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PVMT. MARKING, 4" DOUBLE YELLOW @ 11" C-C (TYP.) | ⑥ PROP. THERMOPLASTIC PVMT. MARKING, 6" CROSSWALK @ 6' C-C, WHITE (TYP.) | ⑨ PROP. THERMOPLASTIC PVMT. MARKING, 12" MEDIAN @ 45°, WHITE (TYP.) (5 MINIMUM) | ⑫ PROP. THERMOPLASTIC PVMT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.) |

**MODIFIED URETHANE
PAVEMENT MARKING LEGEND**

- | | |
|--|---|
| Ⓐ PROP. MODIFIED URETHANE PVMT. MARKING, 4" 10' DASH, 30' SKIP, WHITE (TYP.) | Ⓔ PROP. MODIFIED URETHANE PVMT. MARKING, 8" SOLID LINE, GORE, WHITE (TYP.) |
| Ⓑ PROP. MODIFIED URETHANE PVMT. MARKING, 4" SOLID LINE, YELLOW (TYP.) | Ⓕ PROP. MODIFIED URETHANE PVMT. MARKING, 12" MEDIAN @ 45°, WHITE (TYP.) (20' C-C) |
| Ⓒ PROP. MODIFIED URETHANE PVMT. MARKING, 6" TURN LANE LINE, WHITE (TYP.) | Ⓖ PROP. MODIFIED URETHANE PVMT. MARKING, 24" STOP BAR, WHITE (TYP.) |
| | Ⓗ PROP. MODIFIED URETHANE PVMT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.) |



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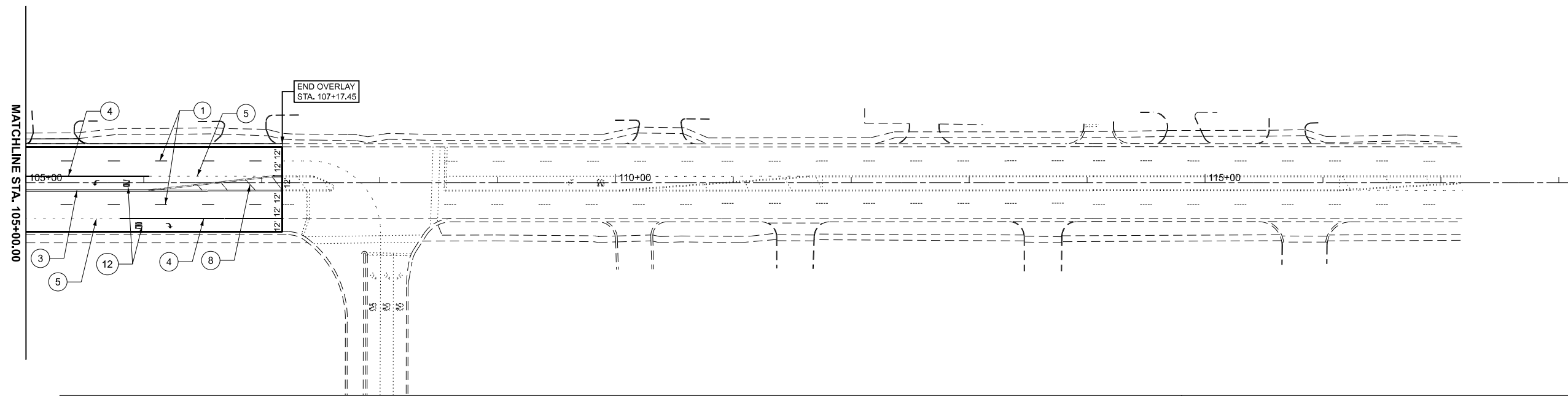
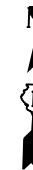
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/16/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS
IL 38 - EAST OF NICOLL WAY TO EDSON AVE**

SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. 75+00.00 TO STA. 105+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	27
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				



**THERMOPLASTIC
PAVEMENT MARKING LEGEND**

- | | | | |
|--|--|--|--|
| ① PROP. THERMOPLASTIC PVMT. MARKING, 4" 10' DASH, 30' SKIP, WHITE (TYP.) | ④ PROP. THERMOPLASTIC PVMT. MARKING, 6" TURN LANE LINE, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT. MARKING, 8" SOLID LINE, GORE, WHITE (TYP.) | ⑩ PROP. THERMOPLASTIC PVMT. MARKING, 12" CROSSWALK @ 90°, 2' C-C, WHITE (TYP.) |
| ② PROP. THERMOPLASTIC PVMT. MARKING, 4" SOLID LINE, YELLOW (TYP.) | ⑤ PROP. THERMOPLASTIC PVMT. MARKING, 6" 2' DASH, 6' SKIP, WHITE (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT. MARKING, 12" MEDIAN @ 45°, YELLOW (TYP.) (5 MINIMUM) | ⑪ PROP. THERMOPLASTIC PVMT. MARKING, 24" STOP BAR, WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PVMT. MARKING, 4" DOUBLE YELLOW @ 11" C-C (TYP.) | ⑥ PROP. THERMOPLASTIC PVMT. MARKING, 6" CROSSWALK @ 6' C-C, WHITE (TYP.) | ⑨ PROP. THERMOPLASTIC PVMT. MARKING, 12" MEDIAN @ 45°, WHITE (TYP.) (5 MINIMUM) | ⑫ PROP. THERMOPLASTIC PVMT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.) |

**MODIFIED URETHANE
PAVEMENT MARKING LEGEND**

- | | |
|--|---|
| Ⓐ PROP. MODIFIED URETHANE PVMT. MARKING, 4" 10' DASH, 30' SKIP, WHITE (TYP.) | Ⓔ PROP. MODIFIED URETHANE PVMT. MARKING, 8" SOLID LINE, GORE, WHITE (TYP.) |
| Ⓑ PROP. MODIFIED URETHANE PVMT. MARKING, 4" SOLID LINE, YELLOW (TYP.) | Ⓕ PROP. MODIFIED URETHANE PVMT. MARKING, 12" MEDIAN @ 45°, WHITE (TYP.) (20' C-C) |
| Ⓒ PROP. MODIFIED URETHANE PVMT. MARKING, 6" TURN LANE LINE, WHITE (TYP.) | Ⓖ PROP. MODIFIED URETHANE PVMT. MARKING, 24" STOP BAR, WHITE (TYP.) |
| | Ⓗ PROP. MODIFIED URETHANE PVMT. MARKING, LETTERS AND SYMBOLS, WHITE (TYP.) |

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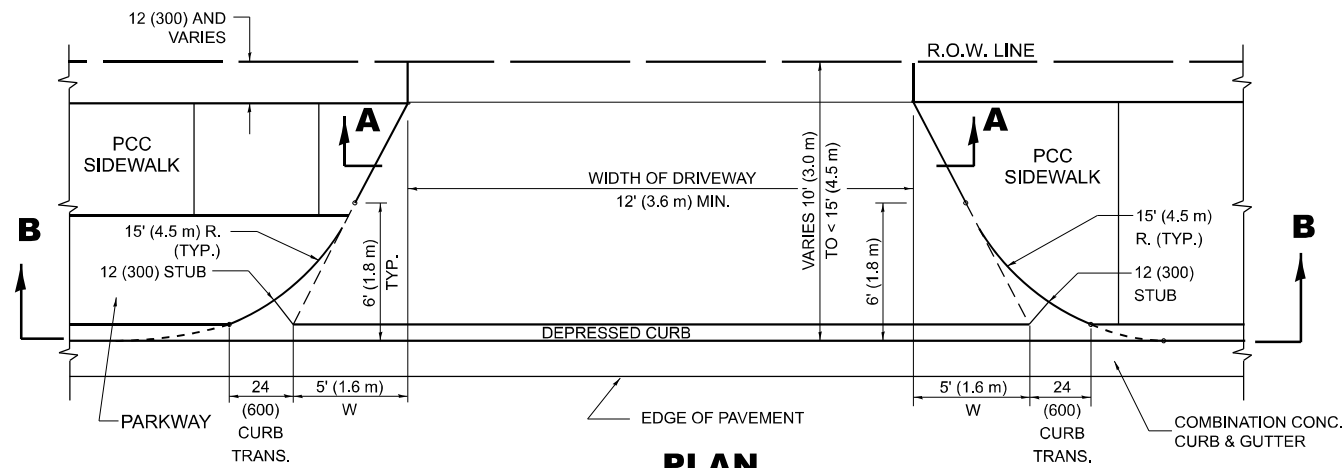
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/16/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

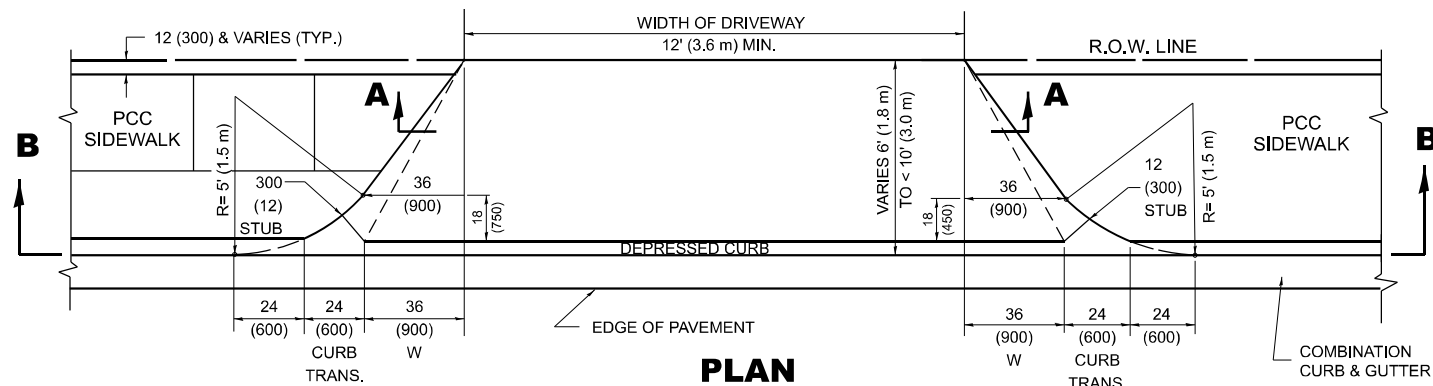
**PAVEMENT MARKING PLANS
IL 38 - EAST OF NICOLL WAY TO EDSON AVE**

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 105+00.00 TO STA. 120+00.00

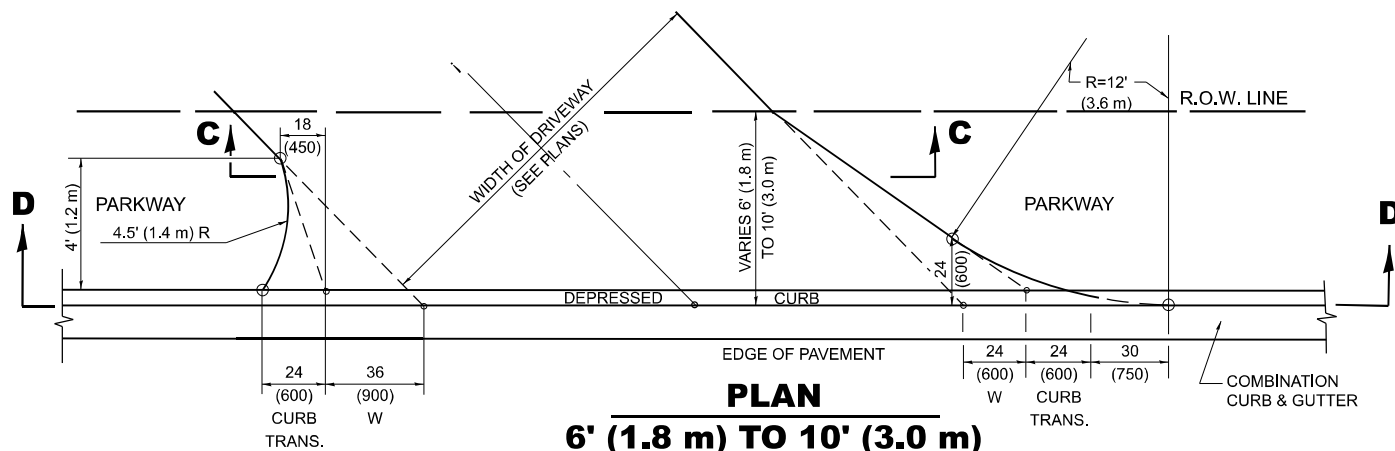
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347	2025-1089-RS	DUPAGE	50	28
CONTRACT NO. 80B15				
ILLINOIS FED. AID PROJECT				



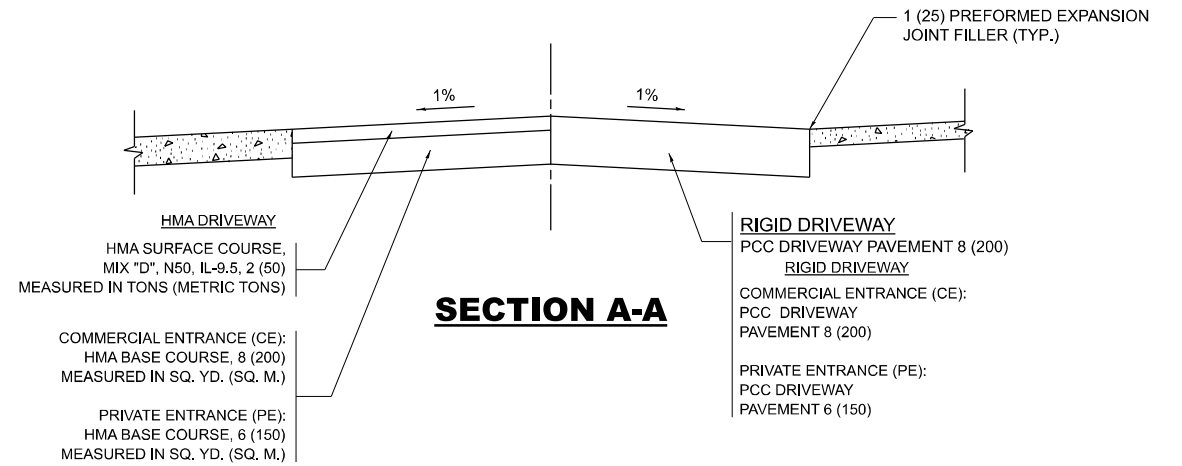
PLAN
10' (3.0 m) TO < 15' (4.5 m)



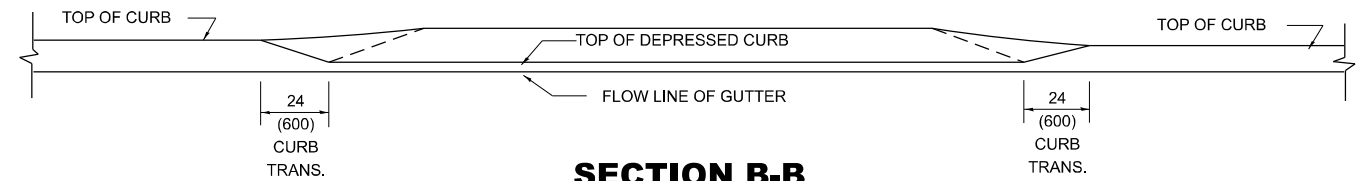
PLAN
6' (1.8 m) TO < 10' (3.0 m)



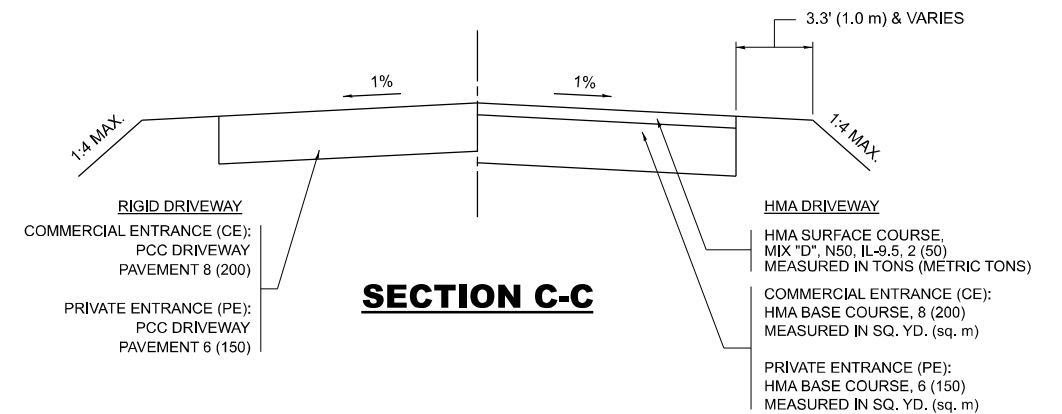
PLAN
6' (1.8 m) TO 10' (3.0 m)



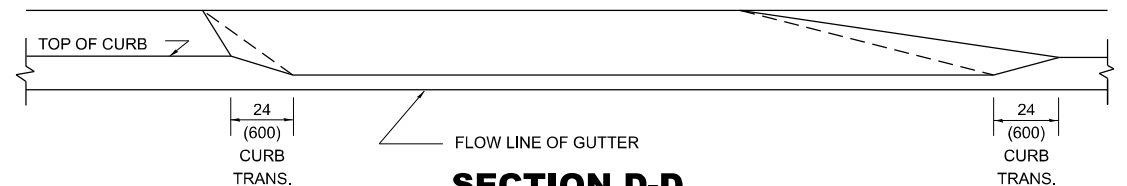
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

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

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

MODEL: BD-02 (Sheet)
FILE NAME: c:\paw_work\vw\dwg\road\pdp\1143894\116825-shh-Dist\Std.dgn

USER NAME = Jacob.Roth	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN - R. BORO 09-06-11	REVISED - K. SMITH 08-27-19
	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 12/5/2025	DATE - 11-06-95	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

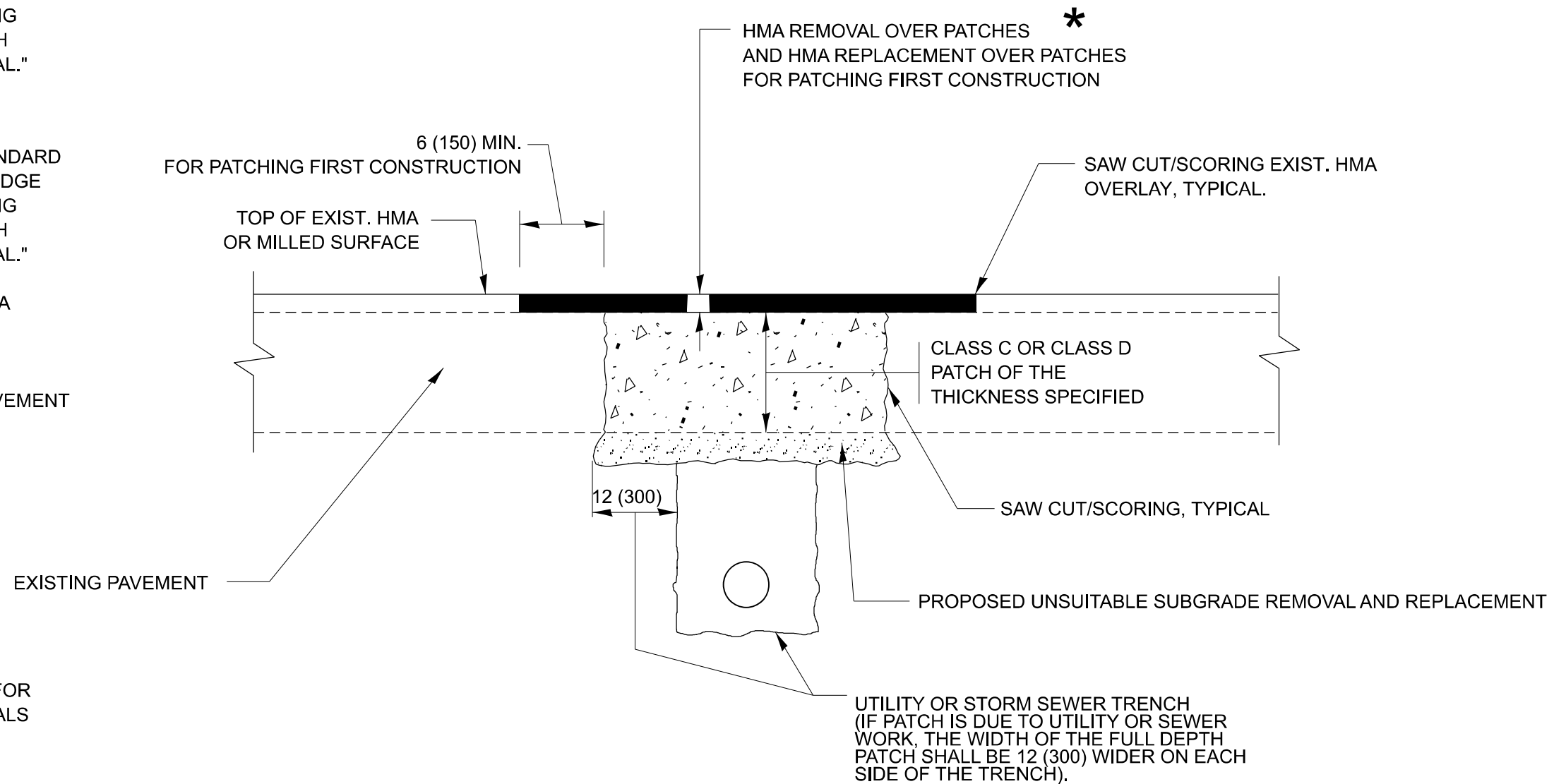
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	29
BD400-01 (BD-02)			CONTRACT NO. 80B15	
ILLINOIS FED. AID PROJECT				

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 4 ½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

MODEL: BD-22 (Sheet)
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USER NAME = Jacob.Roth	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-04-07
	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 12/5/2025	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

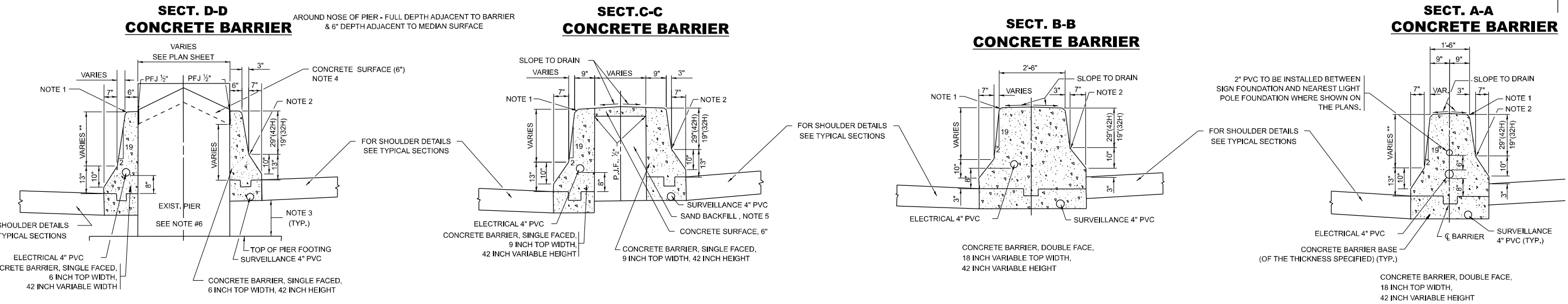
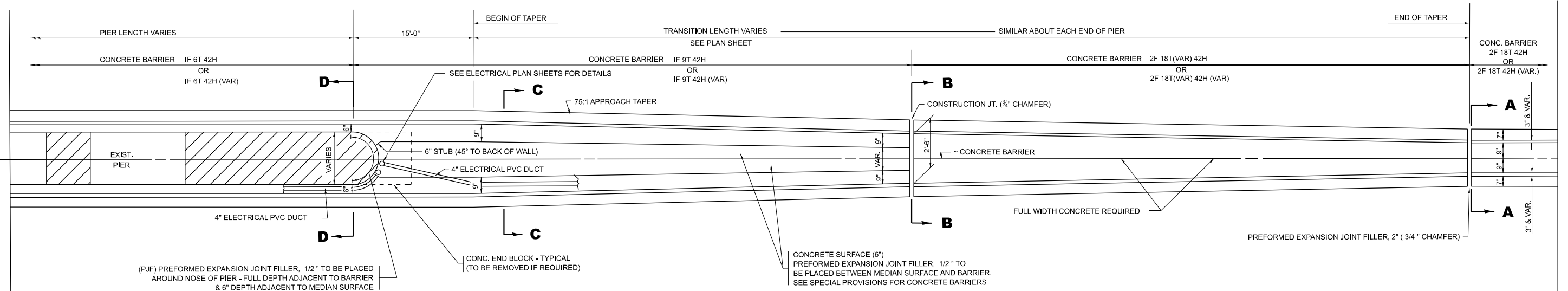
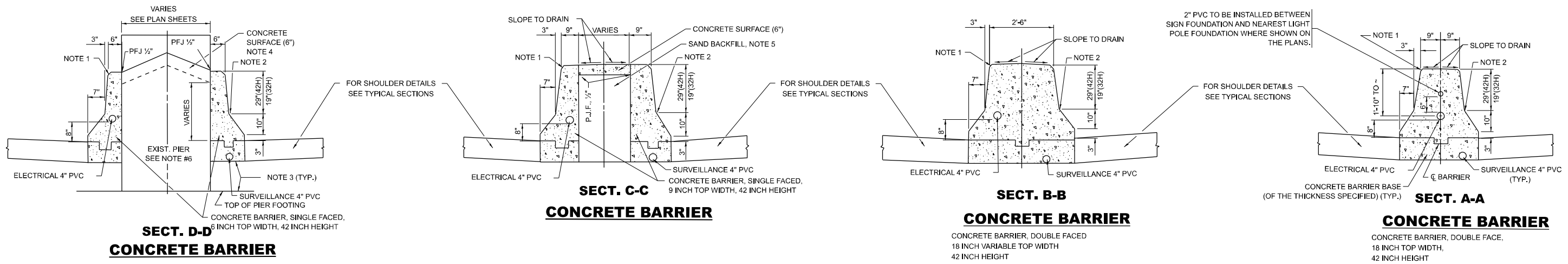
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	30
BD400-04 (BD-22)			CONTRACT NO. 80B15	
ILLINOIS FED. AID PROJECT				

TANGENT CONDITION

PLAN VIEW OF CONCRETE BARRIER TRANSITION

(SUPER ELEVATION CONDITION)



GENERAL NOTES

- FOR UNDERDRAIN DETAILS SEE TYPICAL SECTIONS.
- FOR KEYWAY (F) DIMENSIONS, SEE TYPICAL SECTIONS.
- IF USING JOINTED CONCRETE BARRIER BASE, CONTRACTORS WILL HAVE THE OPTION OF USING A KEYWAY OR # TIE BARS AT O.C.
- MAINTAIN SLOPE OF FACE AS SHOWN ON DETAIL. HEIGHT AND WIDTH OF BARRIER INCREASE WHERE A DIFFERENCE IN MEDIAN EDGE-OF-PAVEMENT GRADE ELEVATION EXISTS.

NOTES:

- 3/4" CHAMFER OR 1" RADIUS (OPTIONAL)
- 10" RADIUS (OPTIONAL)
- EXTEND BOTTOM OF BARRIER TO FOOTING ONLY WHEN DEPTH IS 6" OR LESS, OTHERWISE MAINTAIN SAME DEPTH AS BOTTOM OF SHOULDER
- PIER FILLER MATERIAL TO BE CONCRETE IF MINIMUM 6" THICKNESS WILL BE MAINTAINED. IF 6" THICKNESS CANNOT BE MAINTAINED USE ASPHALT FILLER MATERIAL AS DIRECTED BY THE ENGINEER.
- SAND BACKFILL AND CONCRETE SURFACE WILL BE REQUIRED. FILLING WITH CONCRETE WILL NOT BE ALLOWED.
- IF PIER IS NEW CONSTRUCTION BARRIER WALL MAY BE MONOLITHIC

BASIS OF PAYMENT

- COST OF SAND BACKFILL, CONCRETE SURFACE (6"), AND PIER FILLER MATERIAL WILL BE PAID FOR SEPARATELY.
- PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE UNIT COST FOR THE CONCRETE BARRIER OF THE TYPE INVOLVED.
- CONCRETE BARRIER BASE PAY ITEM IS TO BE INCLUDED IF THE BARRIER IS CONSTRUCTED MONOLITHIC OR JOINTED TO BASE. # TIE BARS AT O.C.
- REMOVAL OF CONCRETE BLOCK SHALL BE INCLUDED IN THE UNIT COST OF CONCRETE BARRIER.

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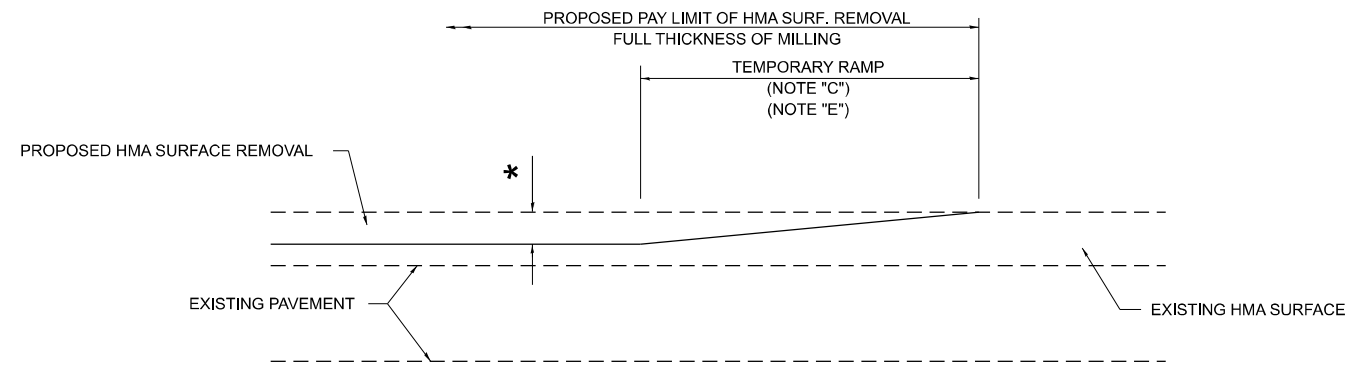
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	DRAWN -	REVISED - K. SMITH 02-01-22
	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 12/5/2025	DATE - 09-09-88	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER TRANSITION & GENERAL DETAILS, CONCRETE BARRIER BASE

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

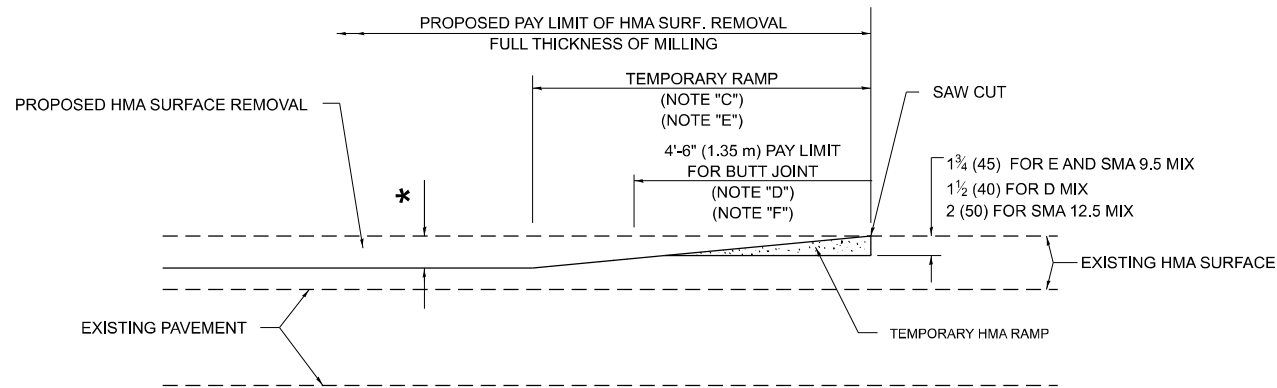
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	31
BD-27		CONTRACT NO. 80B15		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

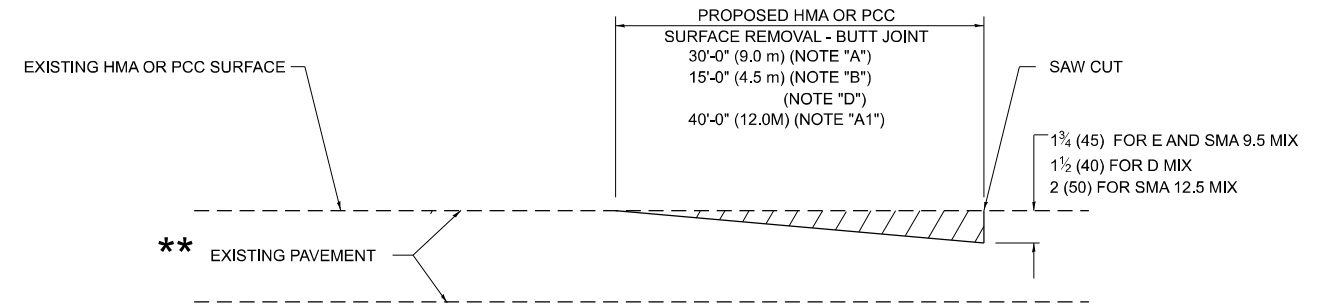


HMA CONSTRUCTED TEMPORARY RAMP

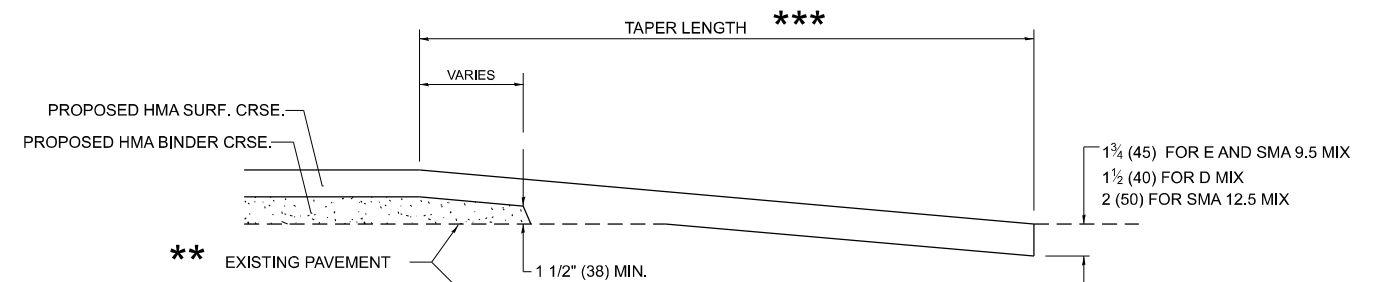
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



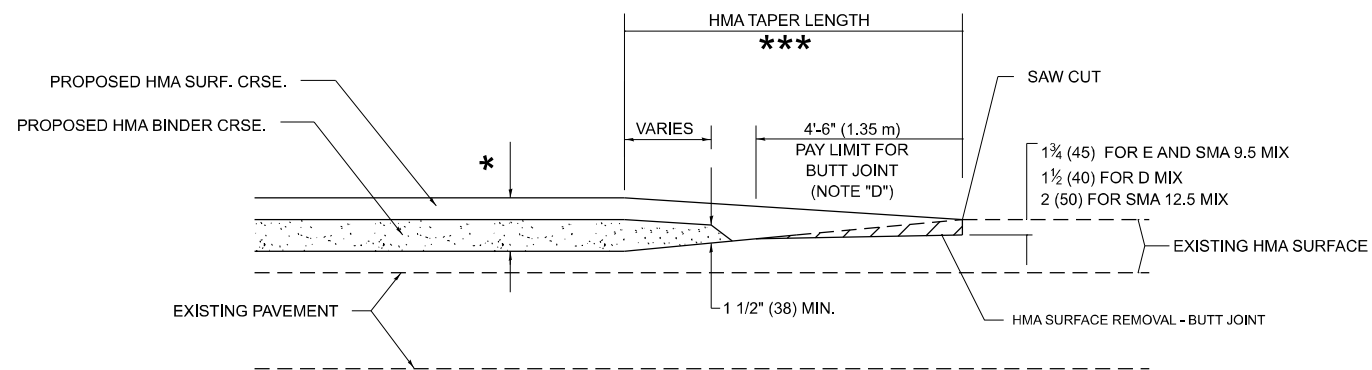
BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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.

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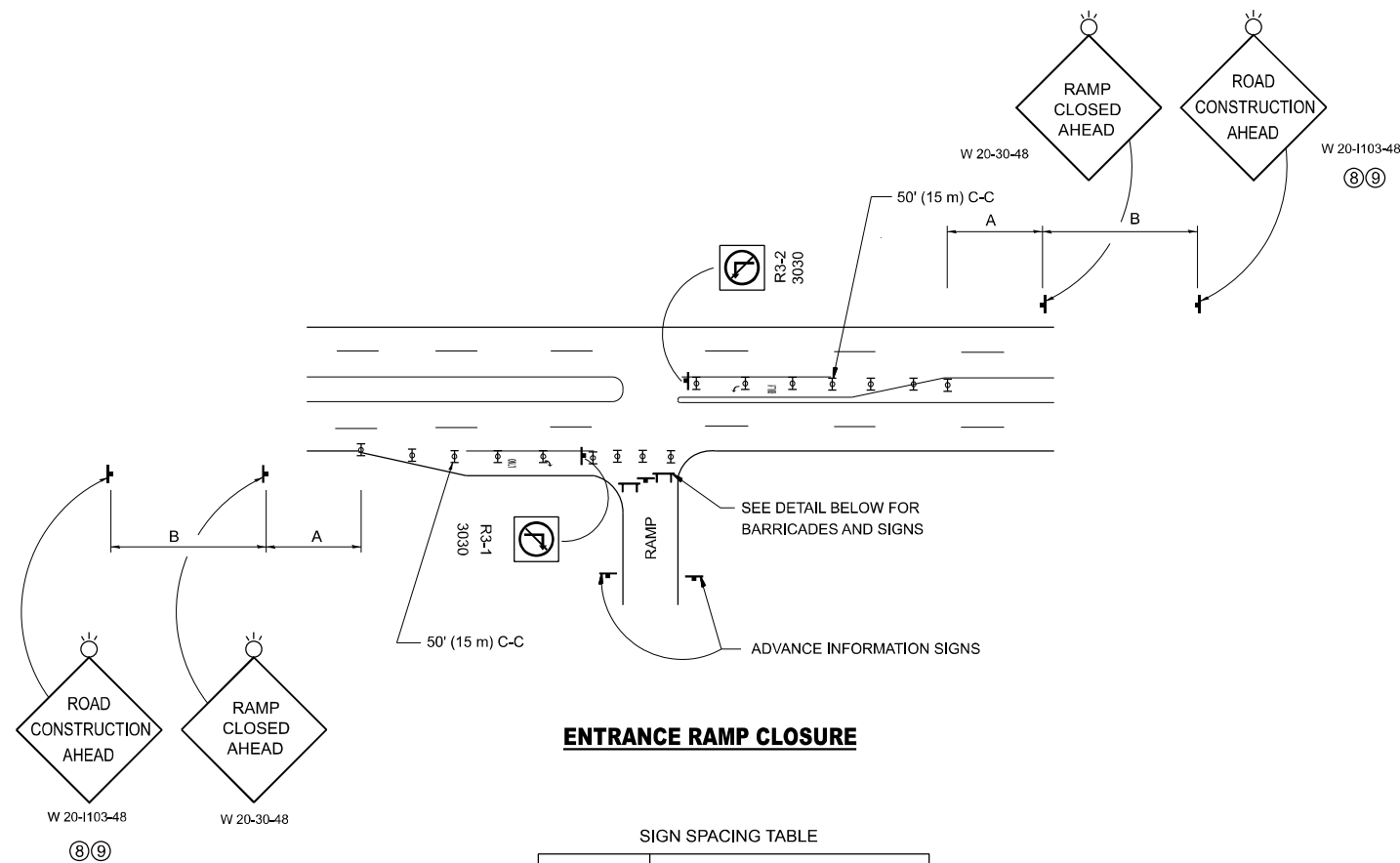
USER NAME = Jacob.Roth	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 12/5/2025	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS		50	32
BD400-05 BD-32		CONTRACT NO. 80B15		
ILLINOIS FED. AID PROJECT				

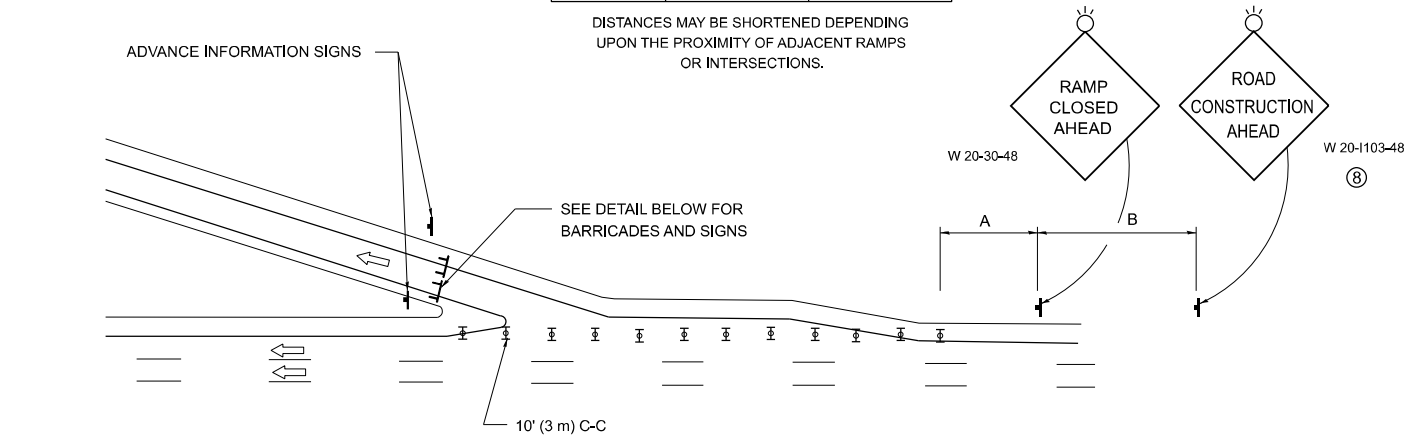


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

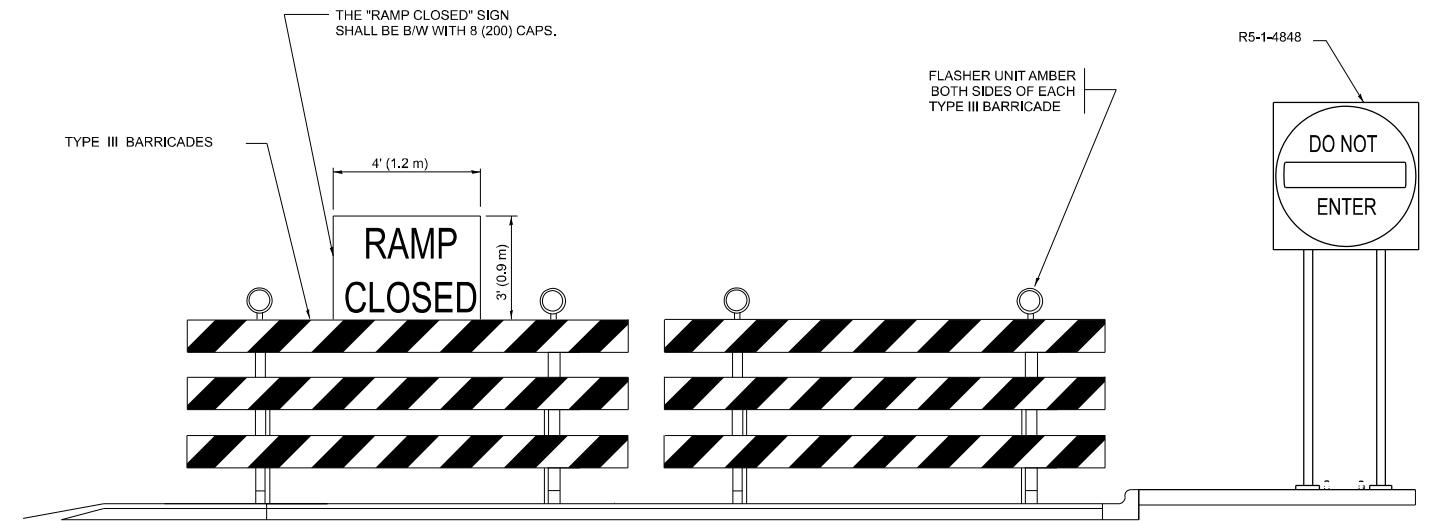
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

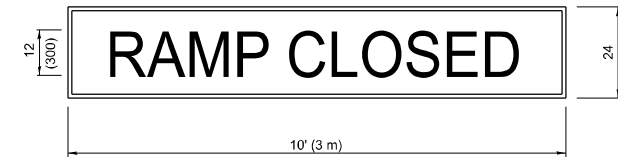
SYMBOLS

- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



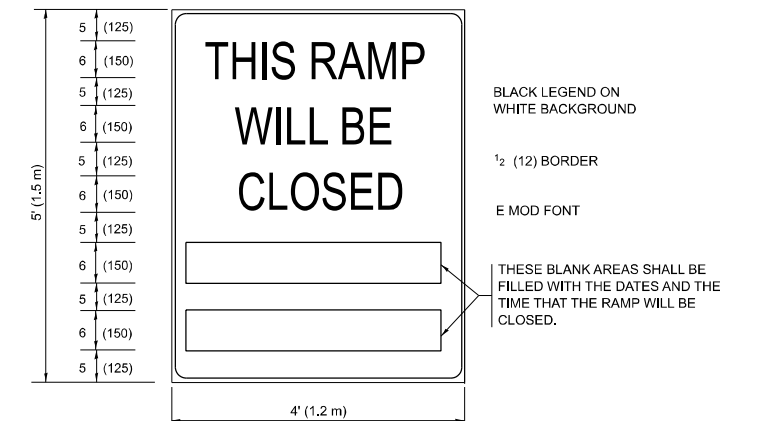
BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

GENERAL NOTES:

- 1 CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- 2 VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- 3 A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- 4 ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- 5 THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- 6 AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- 7 THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- 8 ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- 9 ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

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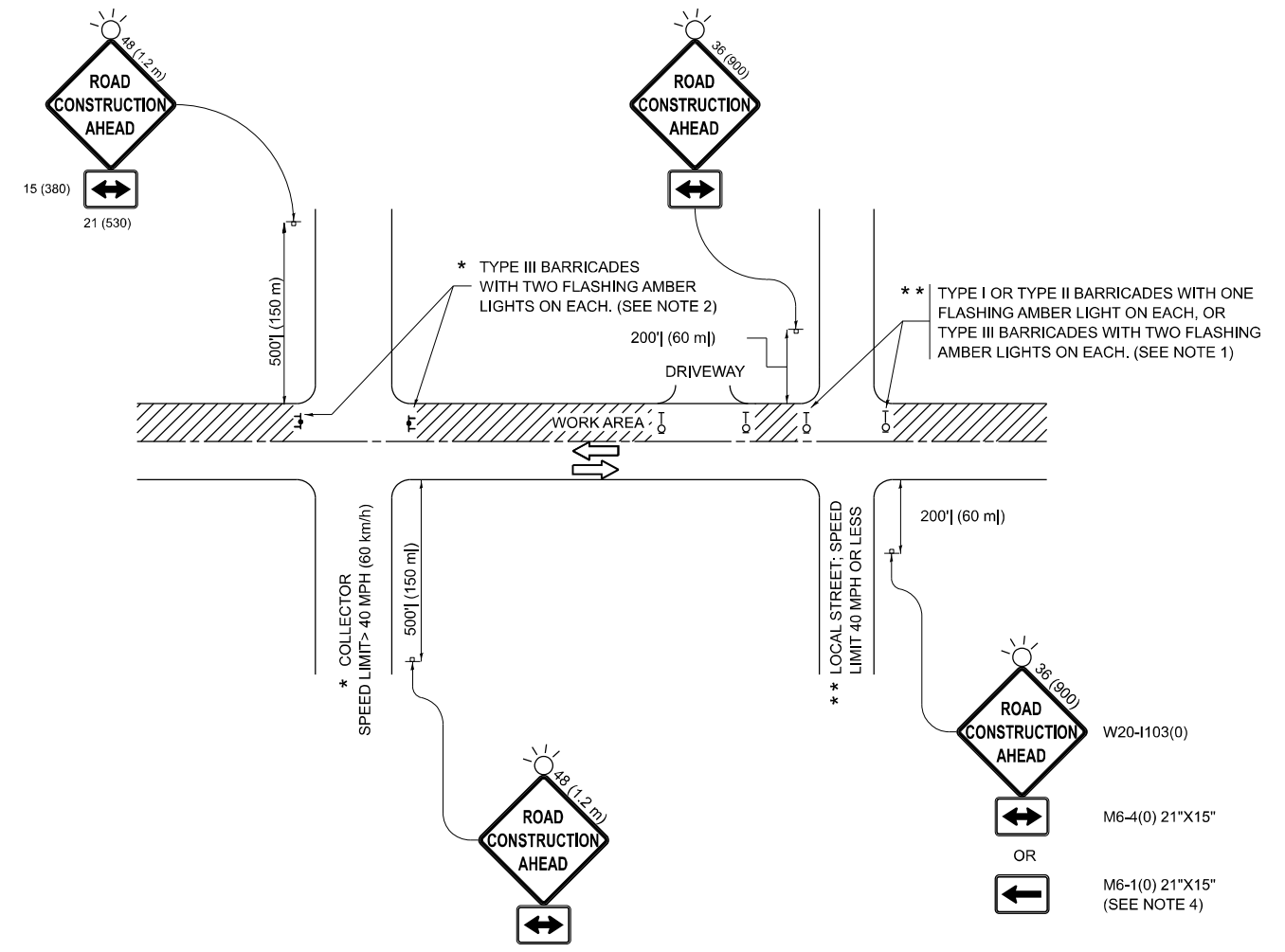
USER NAME = Jacob.Roth	DESIGNED - D.W.S.	REVISED - S.P.B._12-09
	DRAWN - M.D._06-13	REVISED - M.D._06-13
	CHECKED -	REVISED - M.D._01-18
PLOT DATE = 12/5/2025	DATE - 02-83	REVISED - D.S._05-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	33
TC-08			CONTRACT NO. 80B15	
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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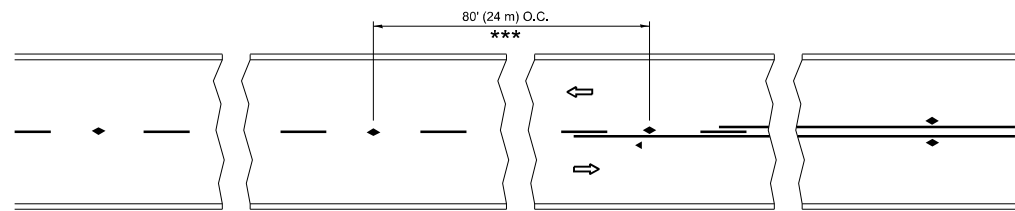
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	DRAWN -	REVISED - A. SCHUETZE 07-01-13
	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 12/5/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

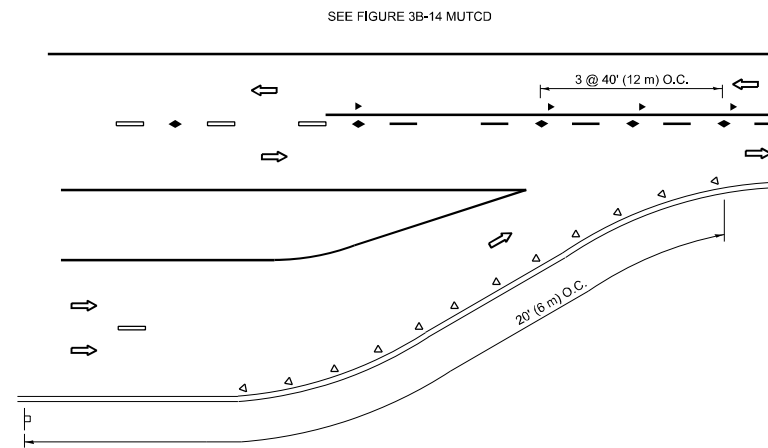
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 80B15	
ILLINOIS FED. AID PROJECT				

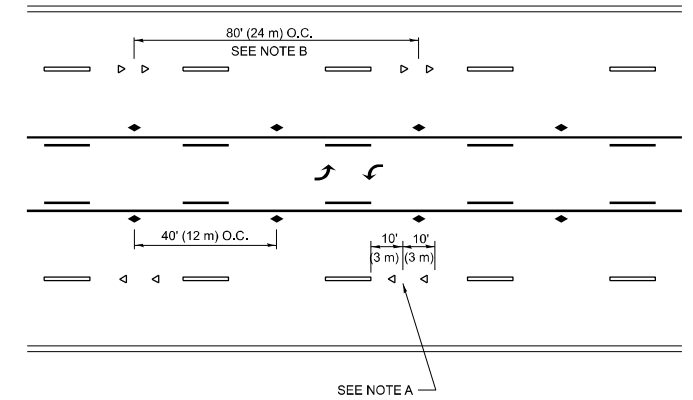


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

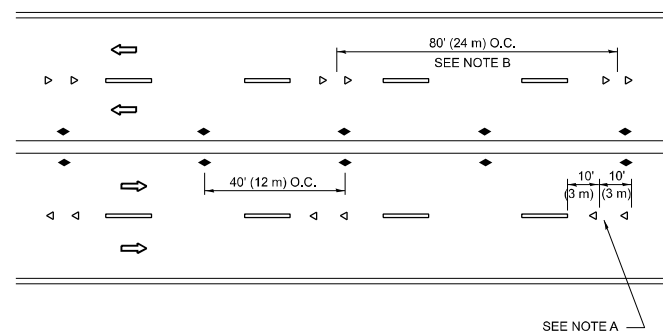
TWO-LANE/TWO-WAY



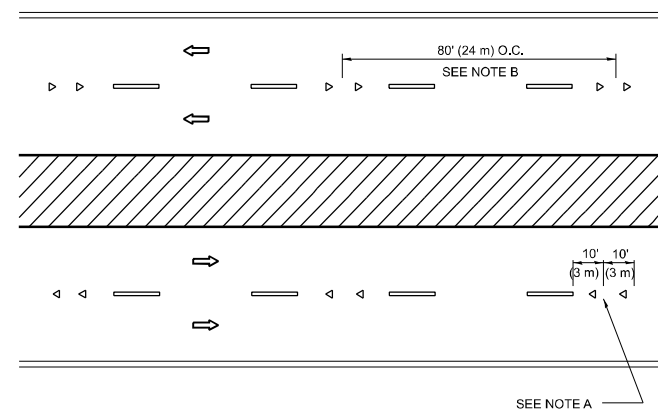
LANE REDUCTION TRANSITION



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

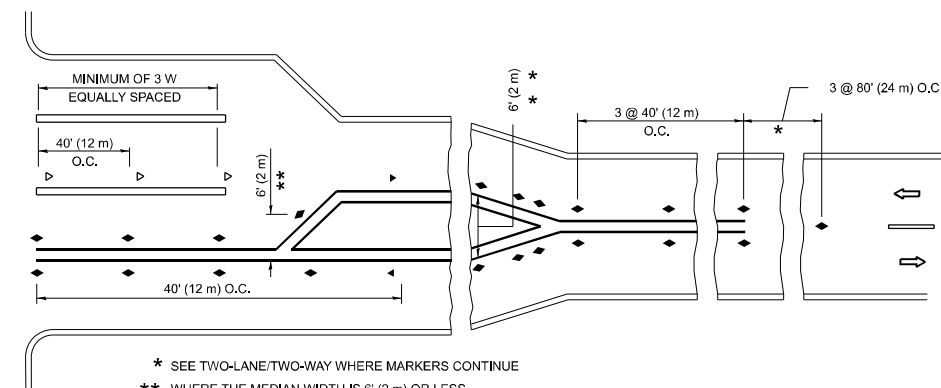
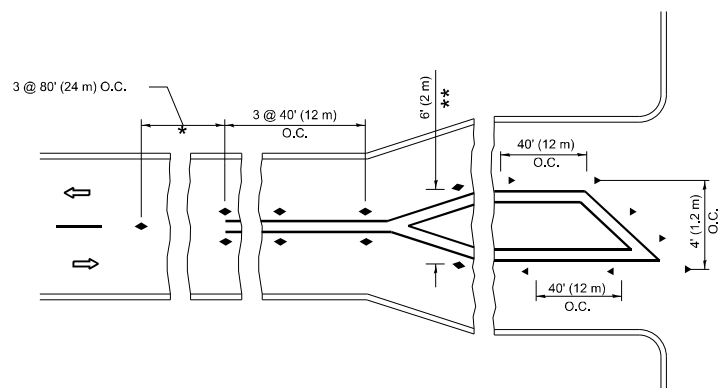
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



TURN LANES

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

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

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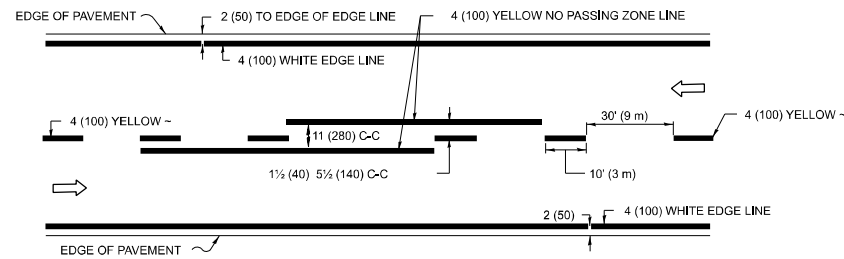
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	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 12/5/2025	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

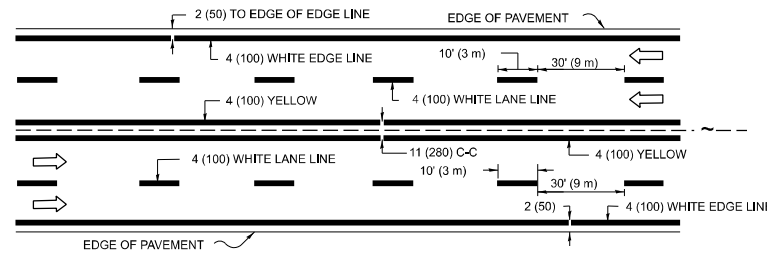
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

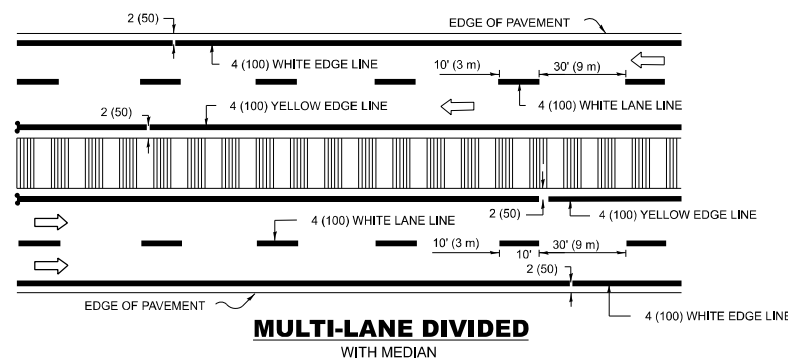
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347	2025-1089-RS	DUPAGE	50	35
TC-11			CONTRACT NO. 80B15	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

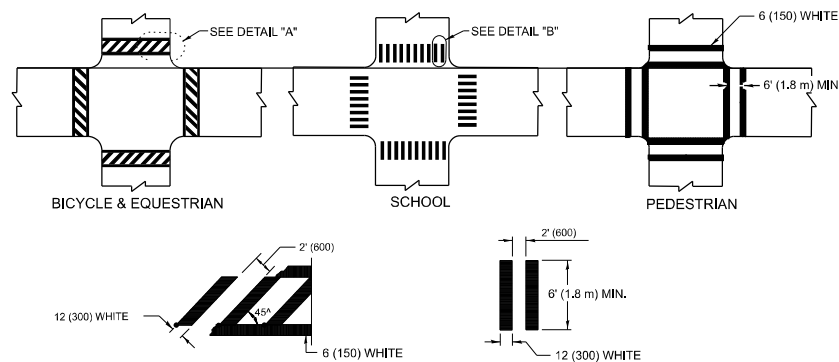


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

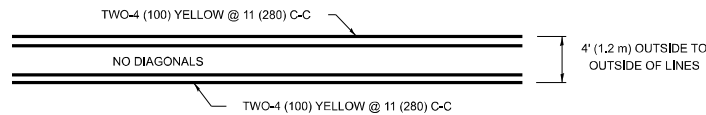


DETAIL "A"

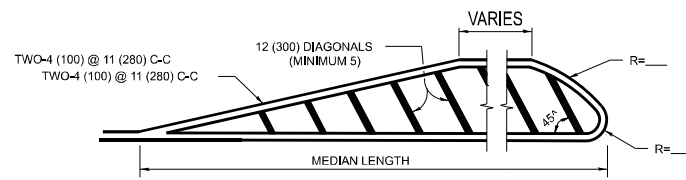
DETAIL "B"

TYPICAL CROSSWALK MARKING

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

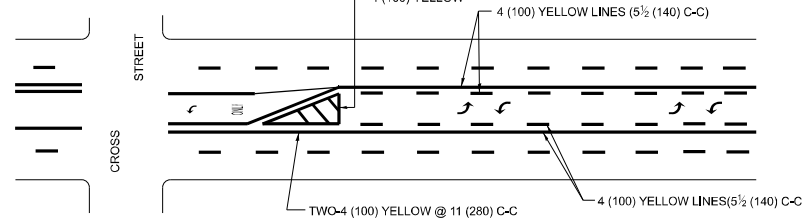


4' (1.2 m) WIDE MEDIANS ONLY



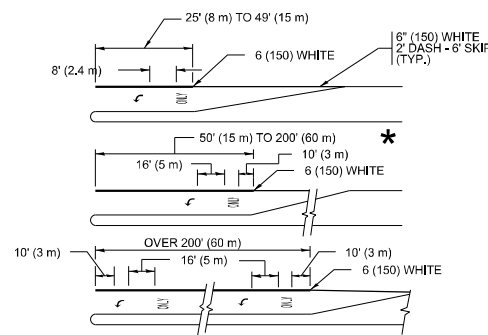
MEDIANS OVER 4' (1.2 m) WIDE

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

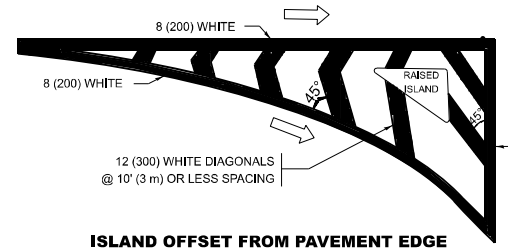
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



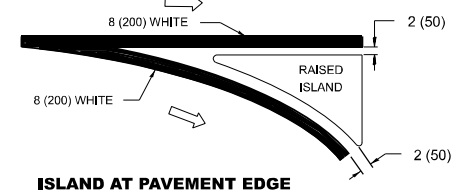
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



ISLAND OFFSET FROM PAVEMENT EDGE

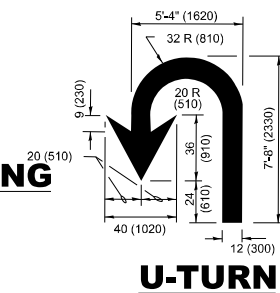


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

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

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.

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	5½ (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; 5½ (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: 15 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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USER NAME = Jacob.Roth	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 12-21-15
	CHECKED -	REVISED - C. JUCIUS 04-12-16
PLOT DATE = 12/5/2025	DATE - 03-19-90	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	36
TC-13		CONTRACT NO. 80B15		
ILLINOIS		FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

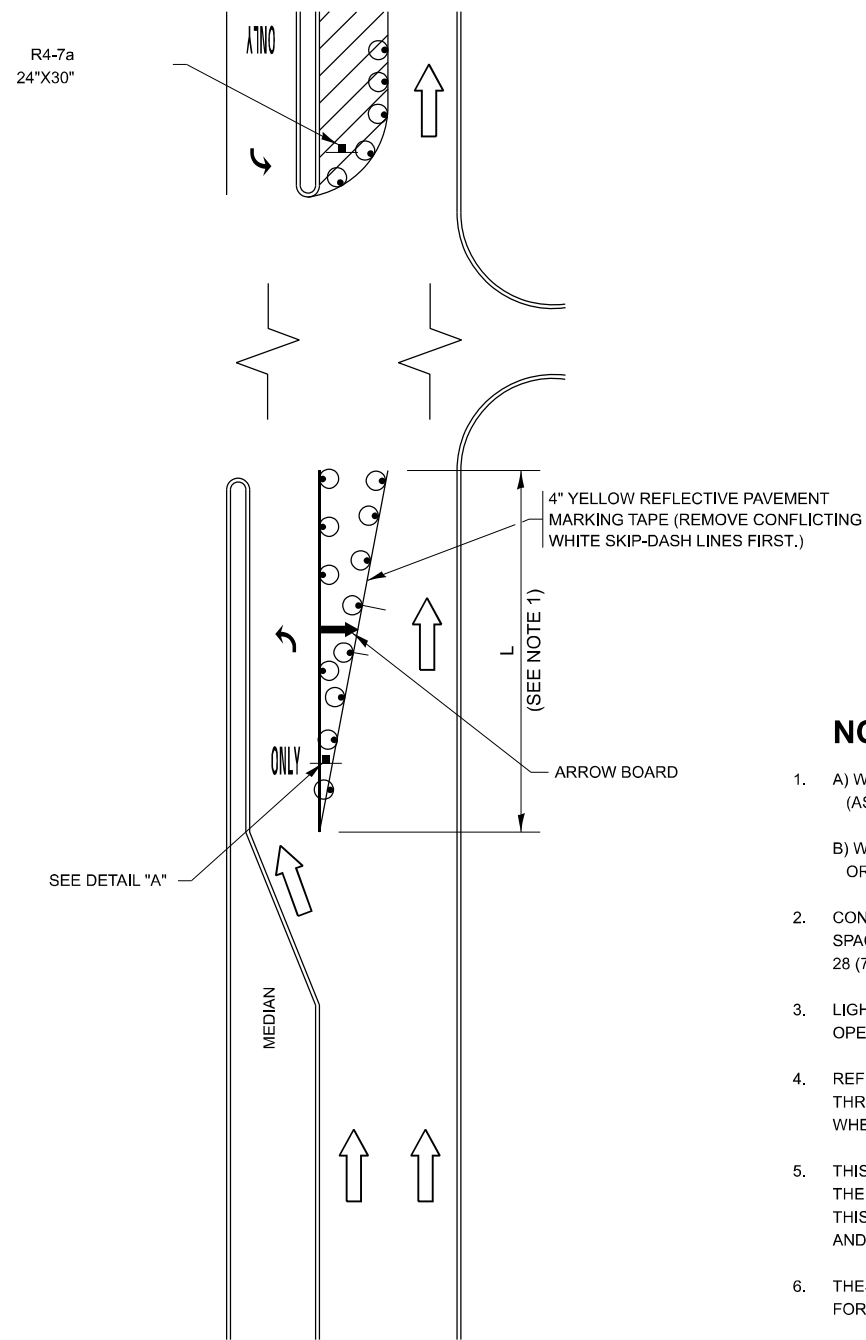


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

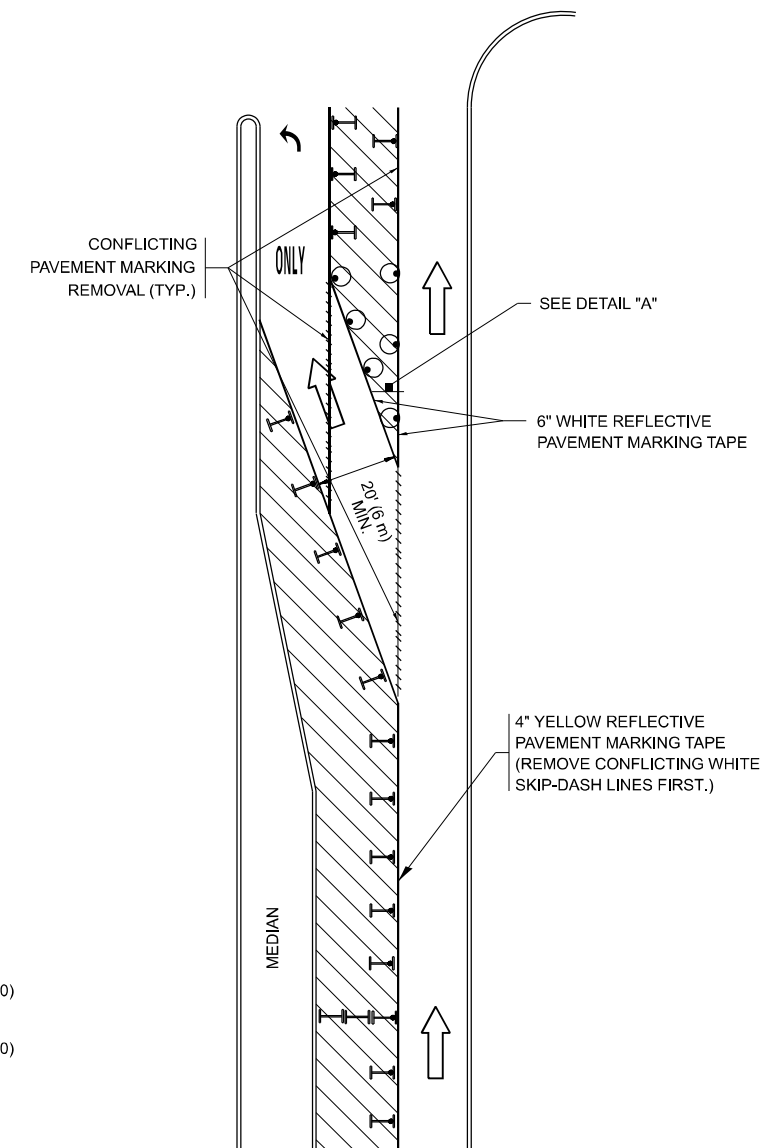


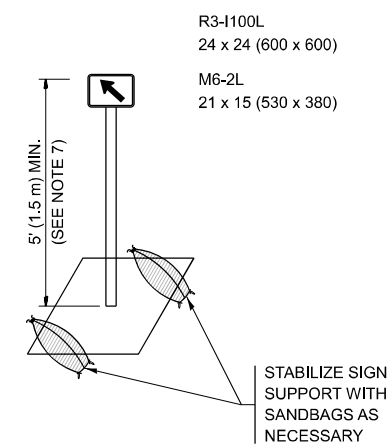
FIGURE 2

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.

MODEL: TC-14 (Sheet)
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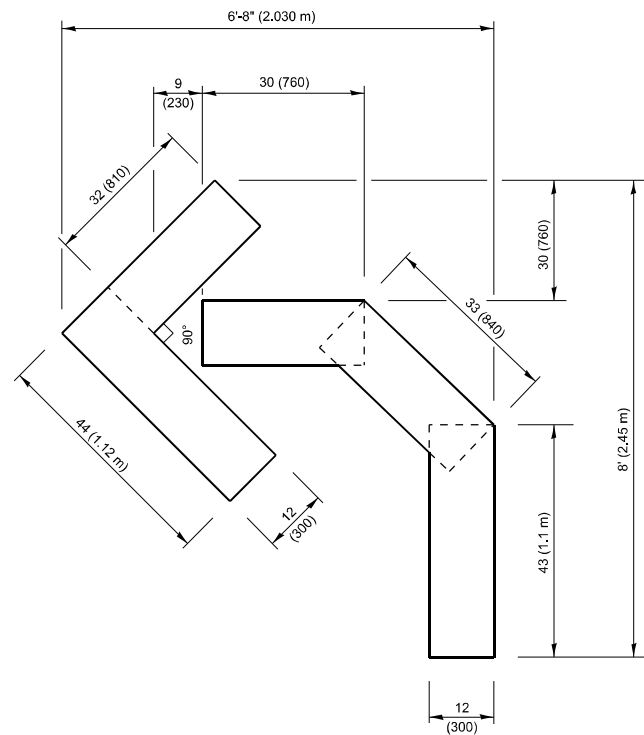
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 12/5/2025	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

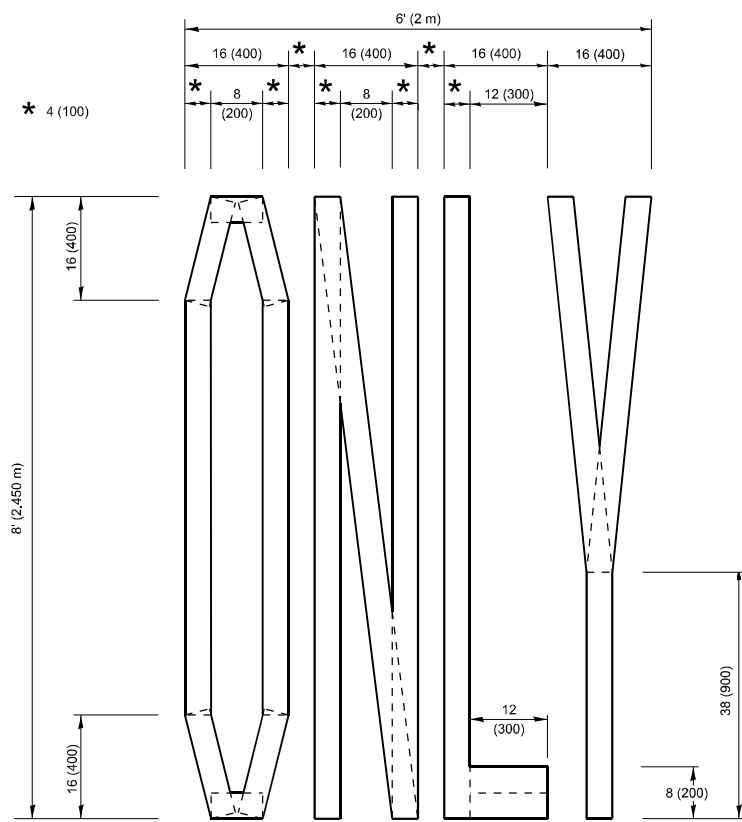
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	37
TC-14			CONTRACT NO. 80B15	
ILLINOIS FED. AID PROJECT				



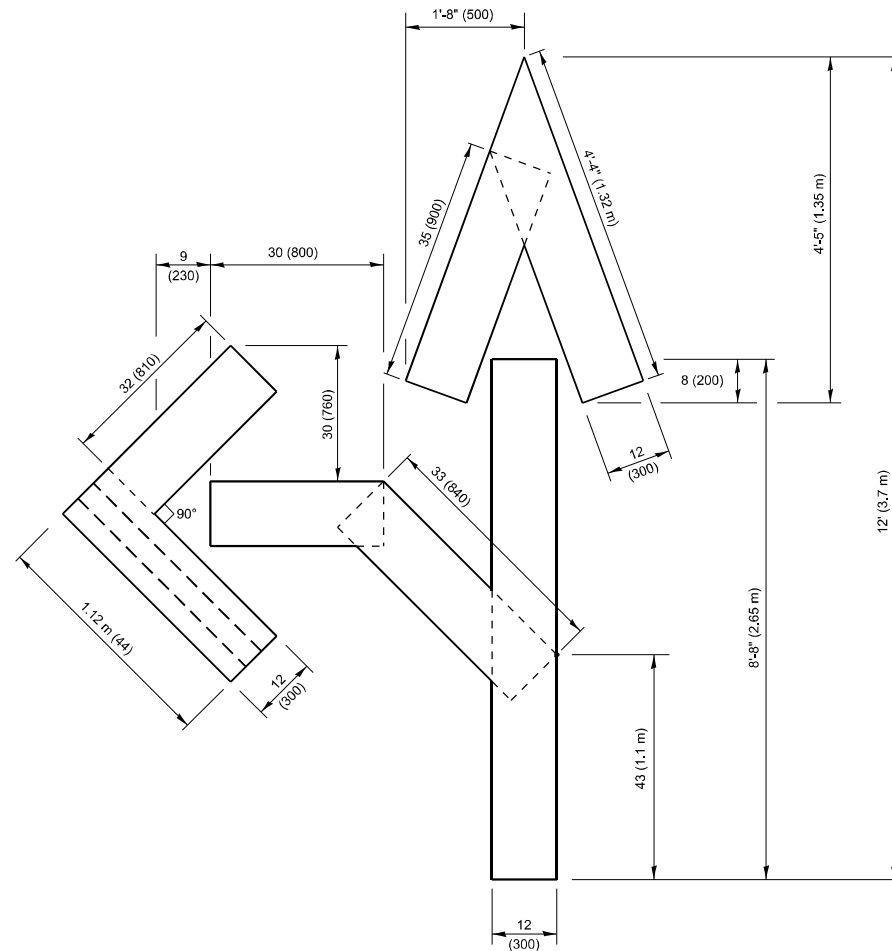
QUANTITY

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



QUANTITY

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

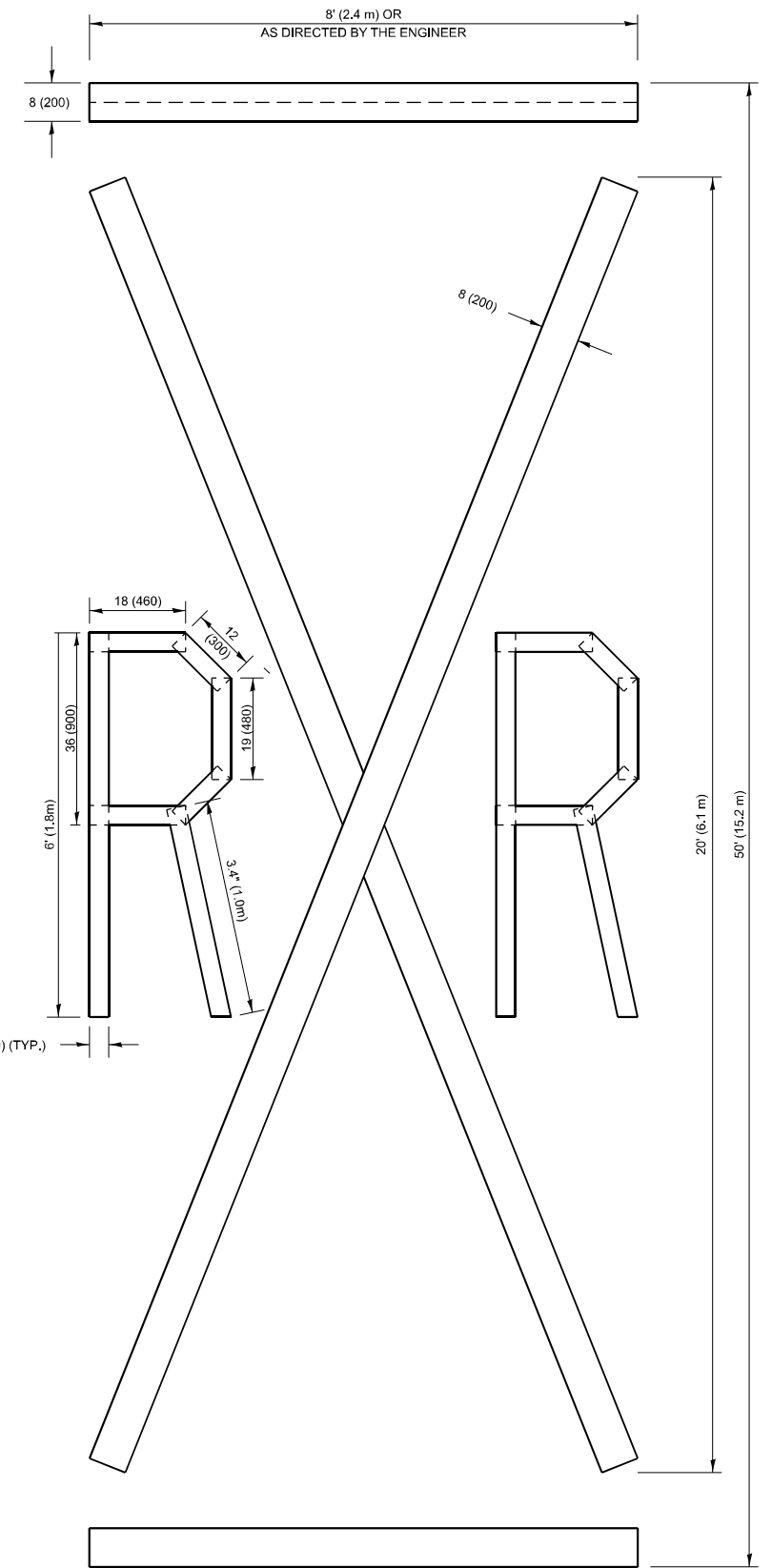


QUANTITY

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

NOTE:

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



QUANTITY

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

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

MODEL: TC-16 (Sheet)
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 12/5/2025	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

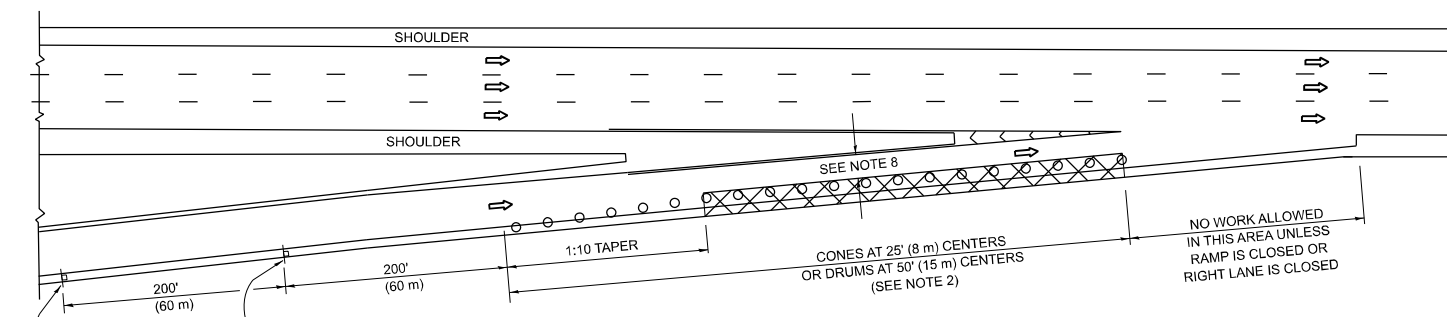
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

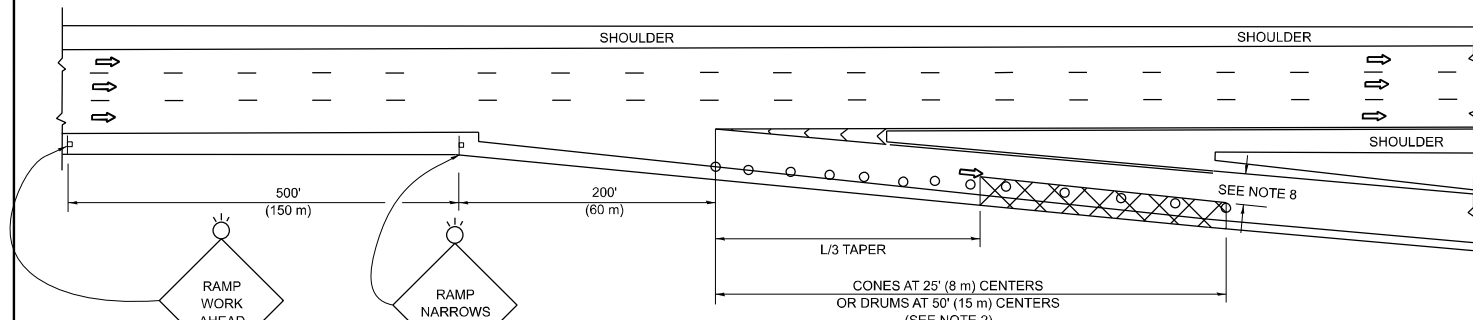
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-16		CONTRACT NO. 80B15		
ILLINOIS FED. AID PROJECT				

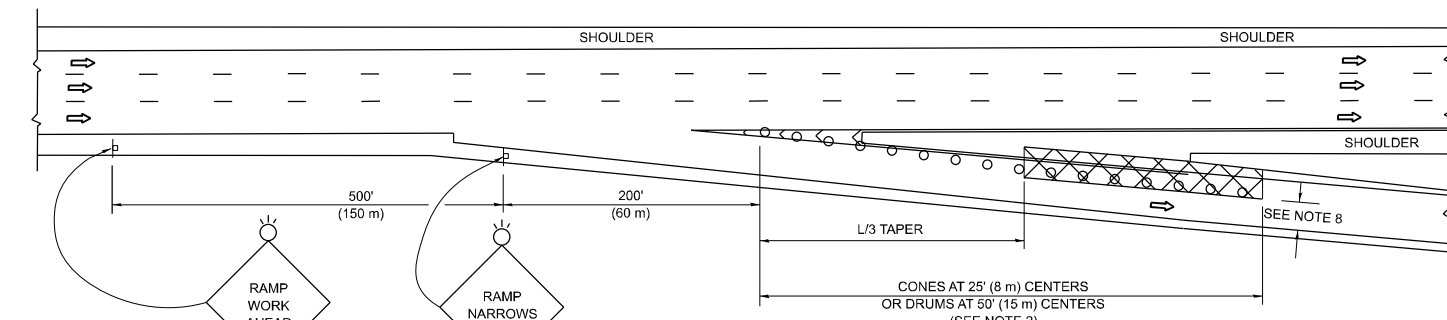
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

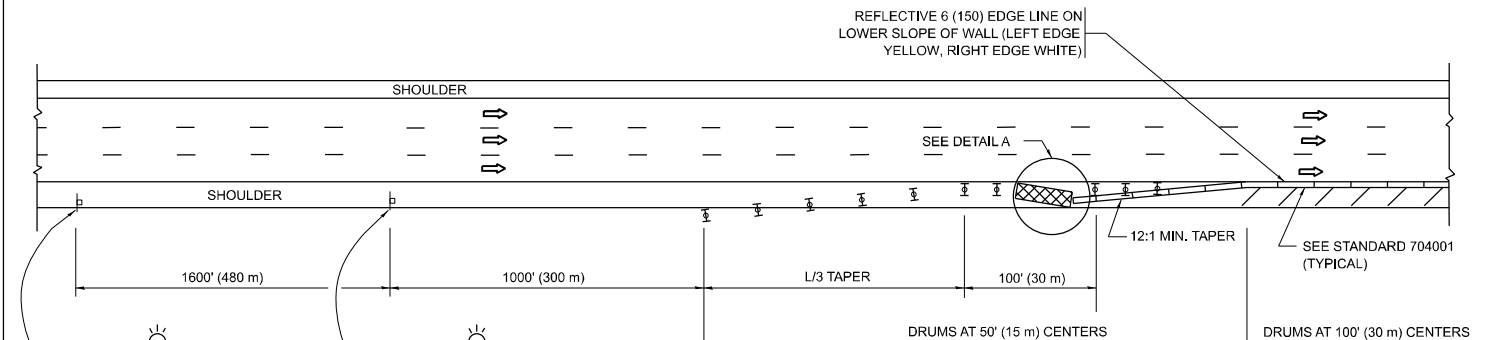
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

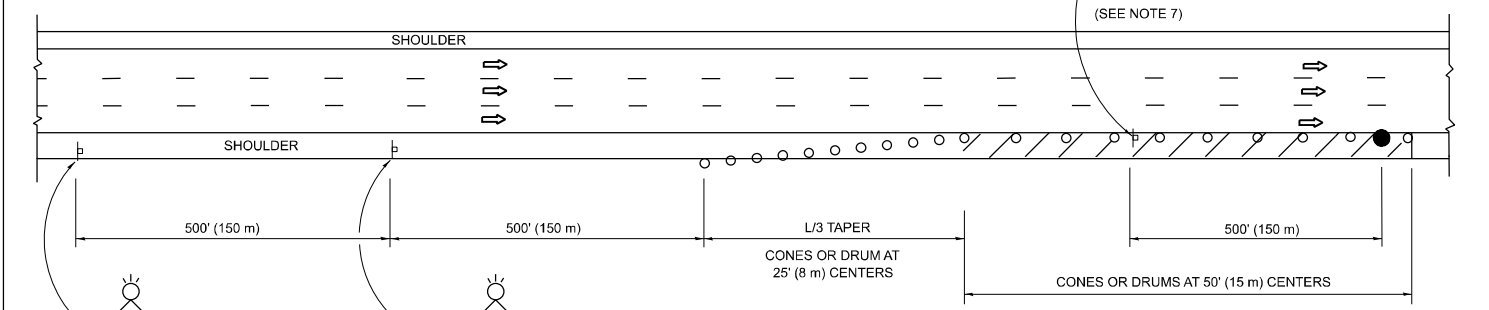
- THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(W)(S)$ $L=(W)(S)$
	W = WIDTH OF OFFSET IN FEET (METERS)
	S = NORMAL POSTED SPEED MPH (KM/H)
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

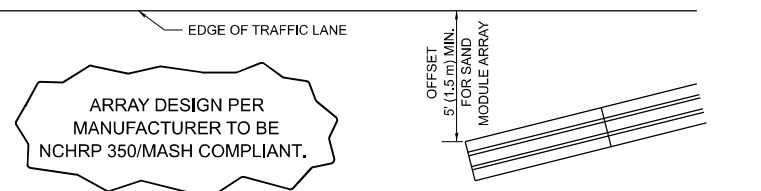
SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE



**DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)**

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK ACTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

9. TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

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

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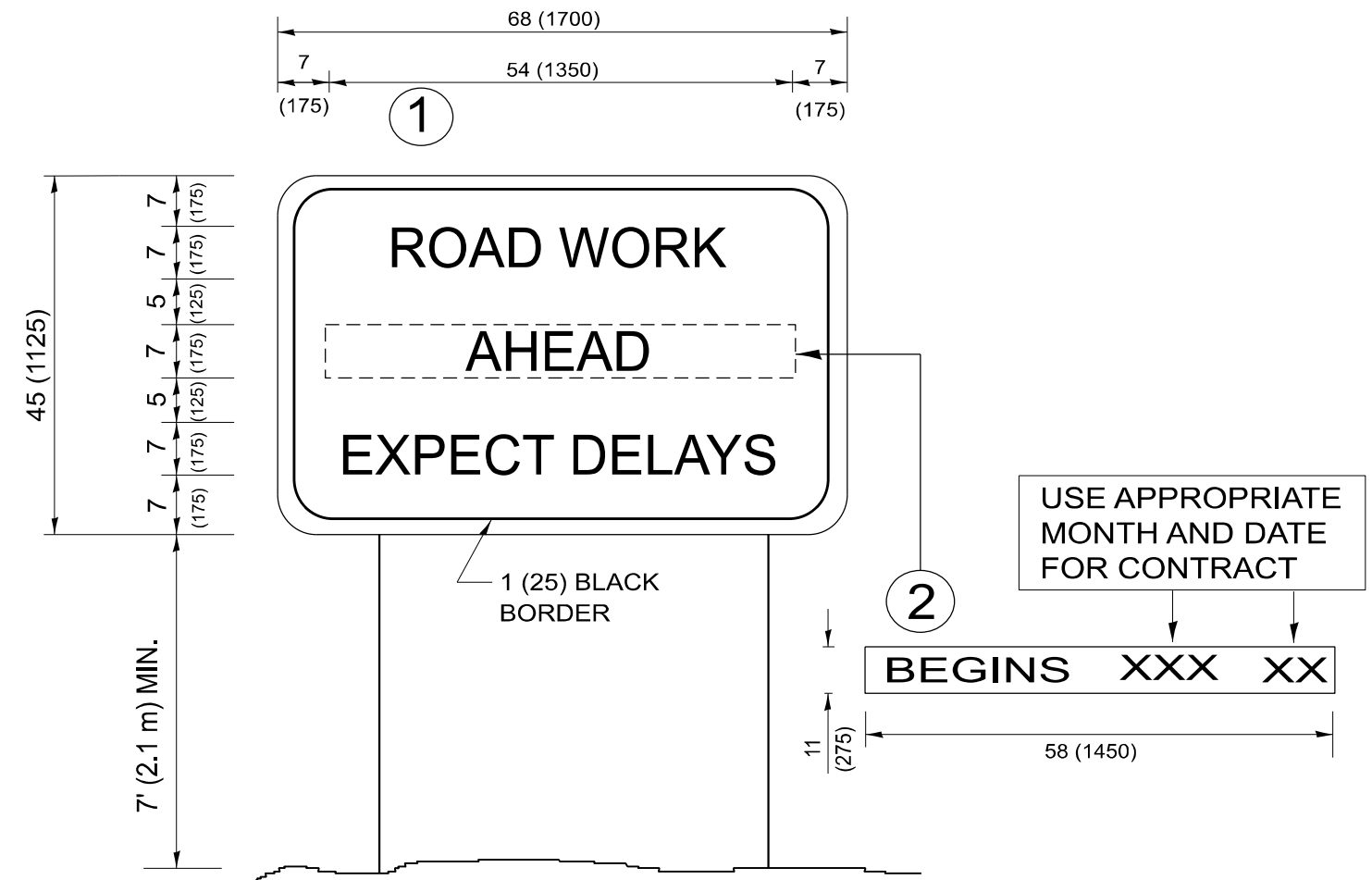
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	DRAWN - D.W.S.	REVISED - M.D. 01-18
	CHECKED -	REVISED - M.D. 10-20
PLOT DATE = 12/5/2025	DATE - 11-96	REVISED - D.S. 05-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	39
TC-17			CONTRACT NO. 80B15	
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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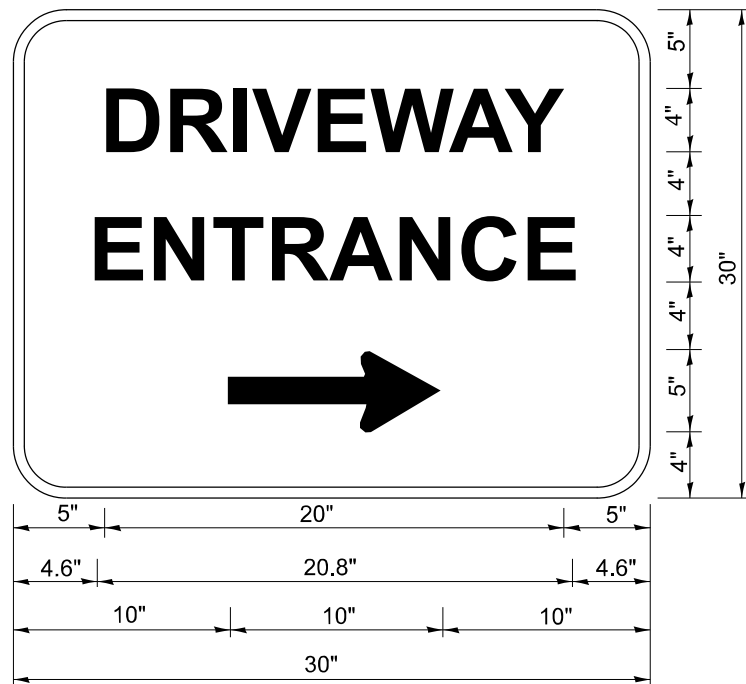
USER NAME = Jacob.Roth	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 12/4/2025	DATE -	REVISED - C. JUCIUS 01-31-07

**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.
347	2025-1089-RS	DUPAGE	50	40
TC-22			CONTRACT NO. 80B15	
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

MODEL: TC-26 (Sheet)
 FILE NAME: c:\p\work\project\traj\p\1143894\116825-shh-Dist\Dist.dgn

USER NAME = Jacob.Roth	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

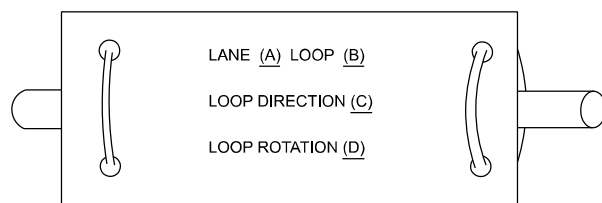
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-26			CONTRACT NO. 80B15	
ILLINOIS FED. AID PROJECT				

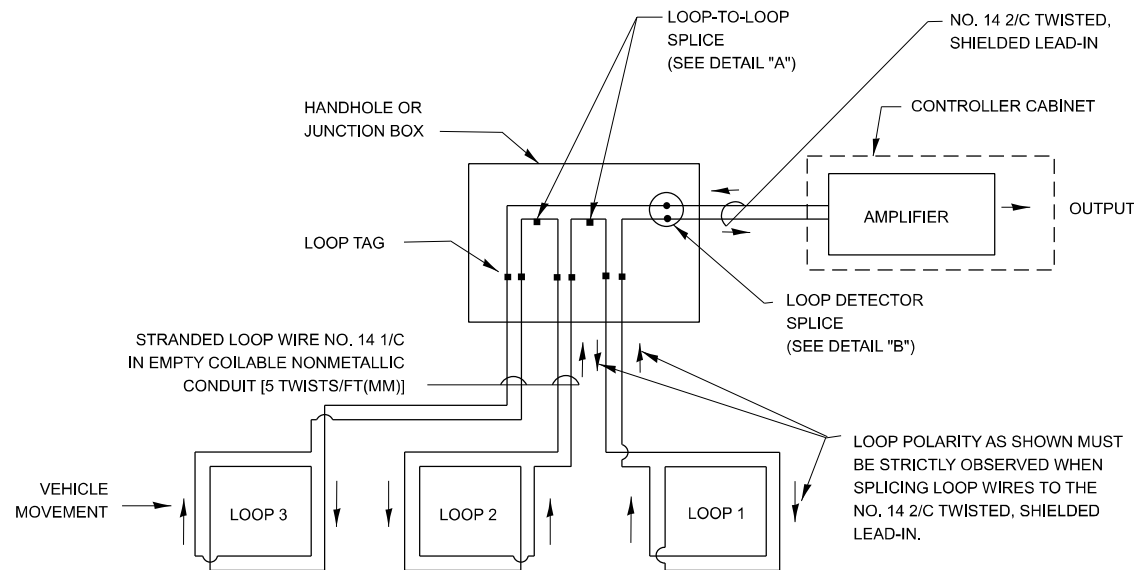
LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- 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.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES 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" (450 mm) APART.
- 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. SEE DETAIL BELOW RIGHT.
- PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, 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.

LOOP LEAD-IN CABLE TAG

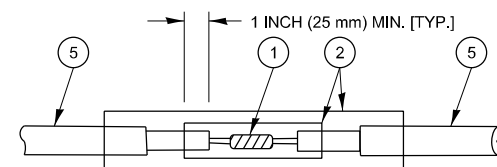


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

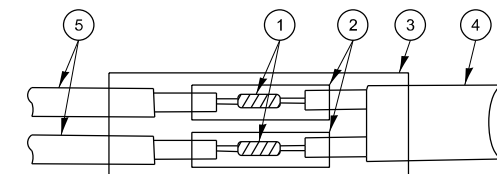


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

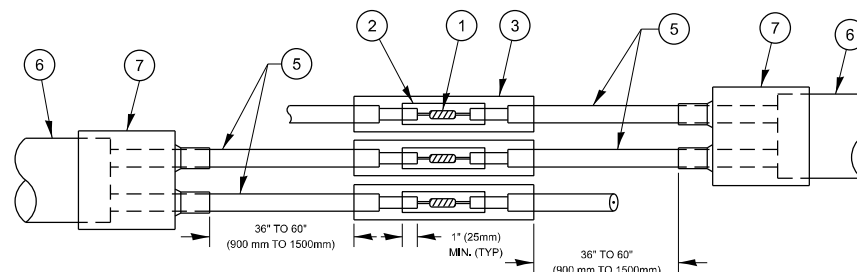


**DETAIL "A"
LOOP-TO-LOOP SPLICE**

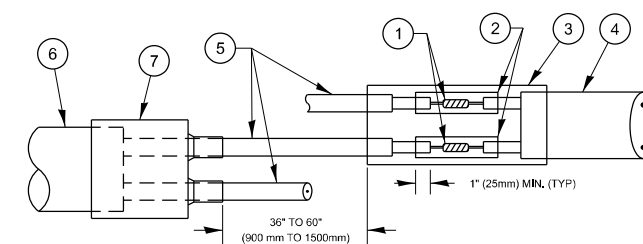


**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

TYPE I LOOP



**DETAIL "A"
LOOP-TO-LOOP SPLICE**



**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR
- BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

MODEL: TS-05b (Sheet)
FILE NAME: c:\p\work\traffic\traj\p1143894\116825-shh-Dist1Std6.dgn

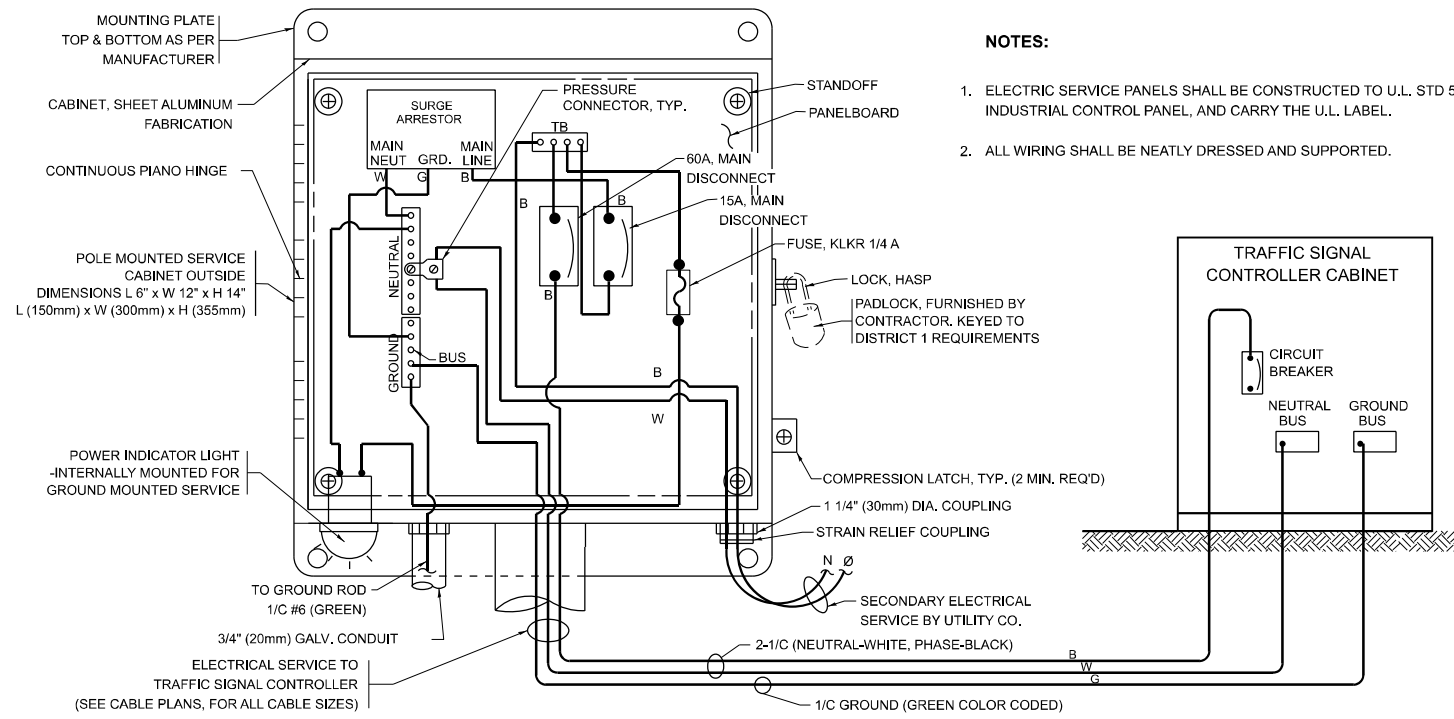
USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

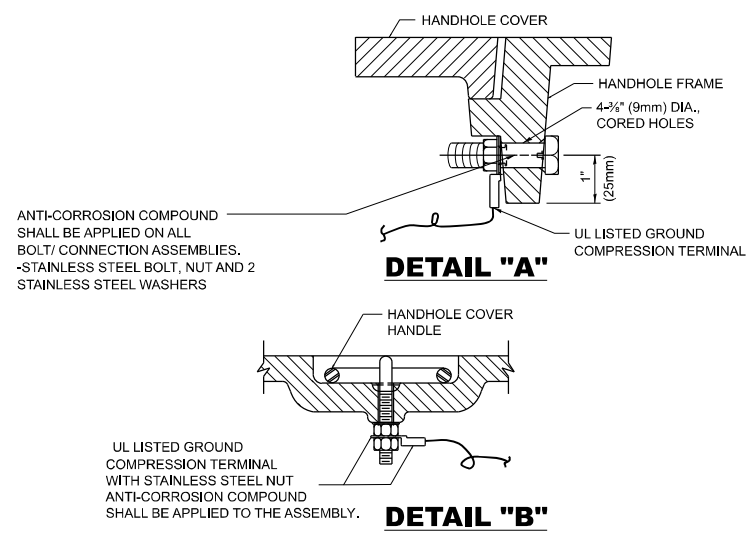
F.A.P. RTE. 347	SECTION 2025-1089-RS	COUNTY DUPAGE	TOTAL SHEETS 50	SHEET NO. 43
TS-05		CONTRACT NO. 80B15		
ILLINOIS FED. AID PROJECT				



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

NOTES:

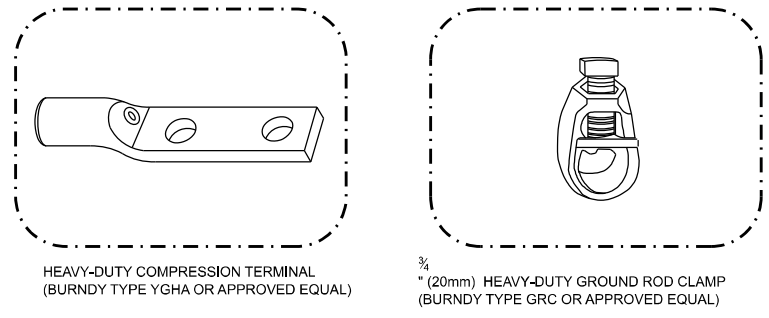
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)

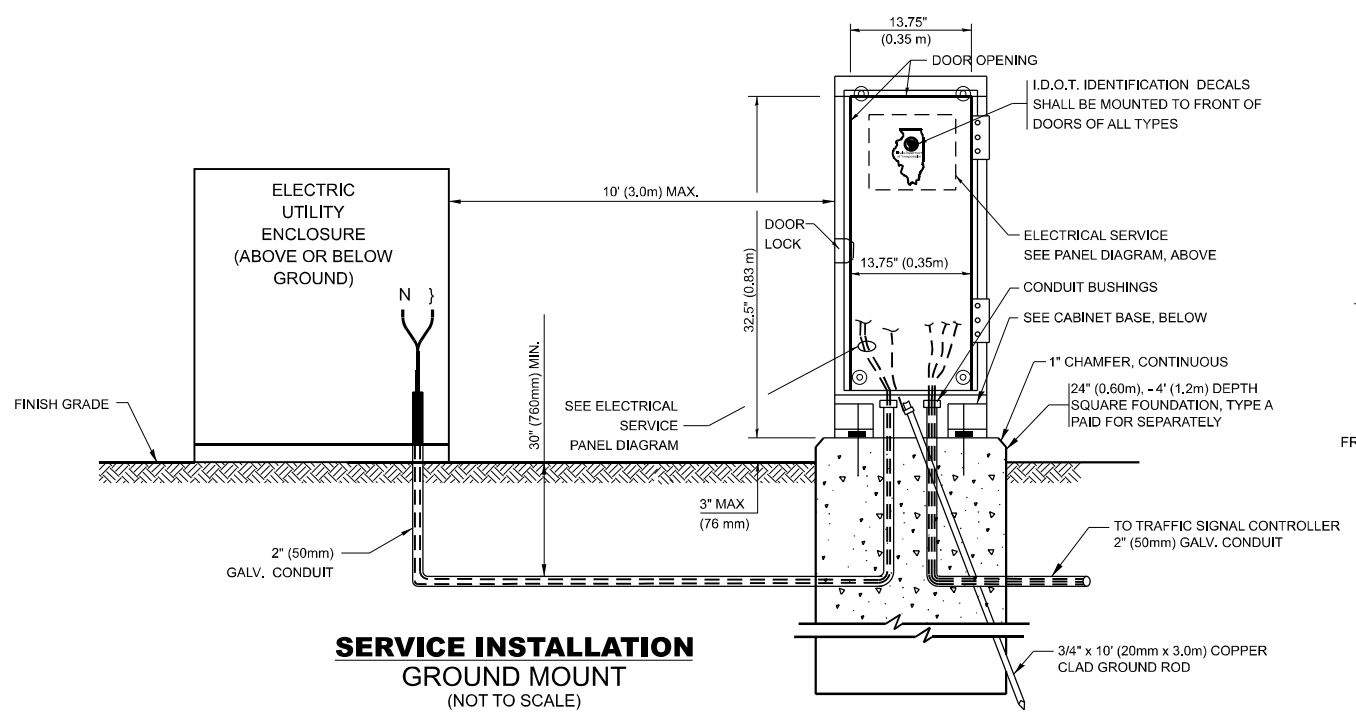
NOTES:
GROUNDING SYSTEM

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

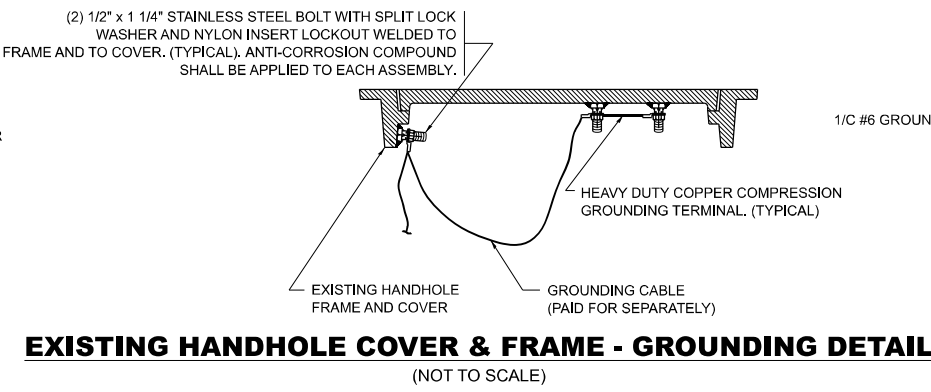


NOTES:

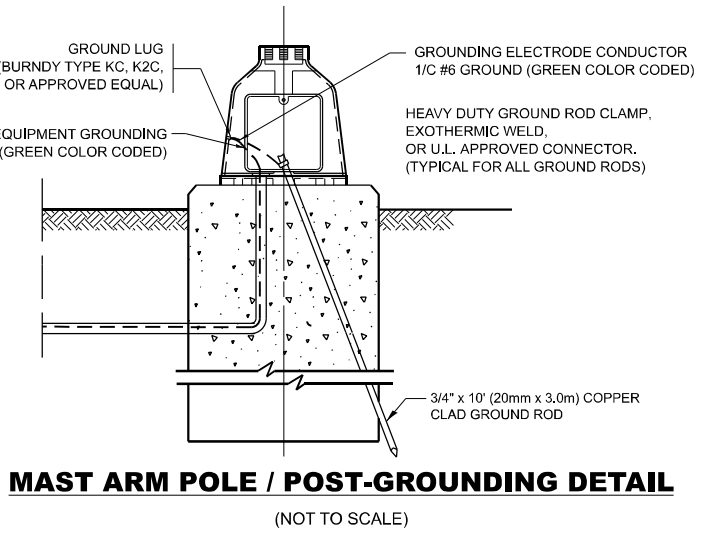
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



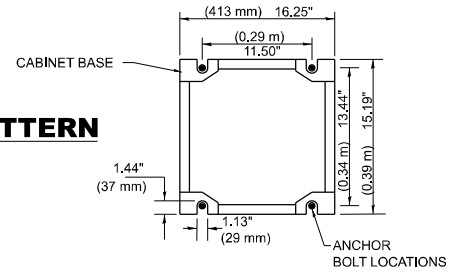
SERVICE INSTALLATION
GROUND MOUNT
 (NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)



MAST ARM POLE / POST-GROUNDING DETAIL
 (NOT TO SCALE)



CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)

MODEL: TS-05d1 (Sheet)
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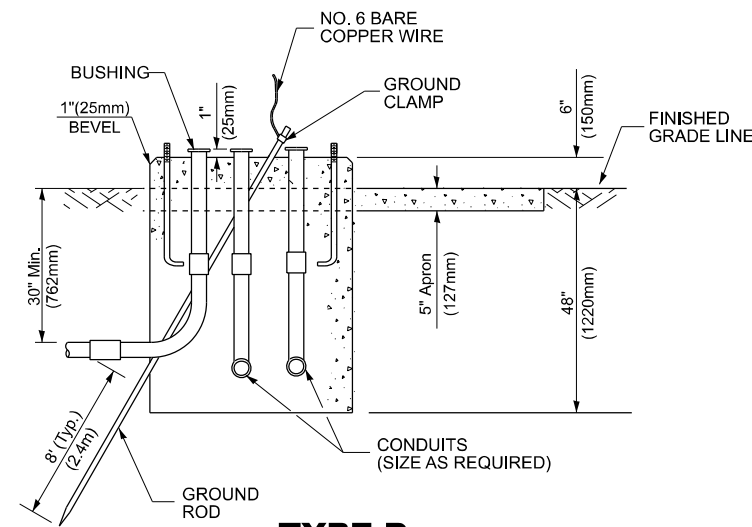
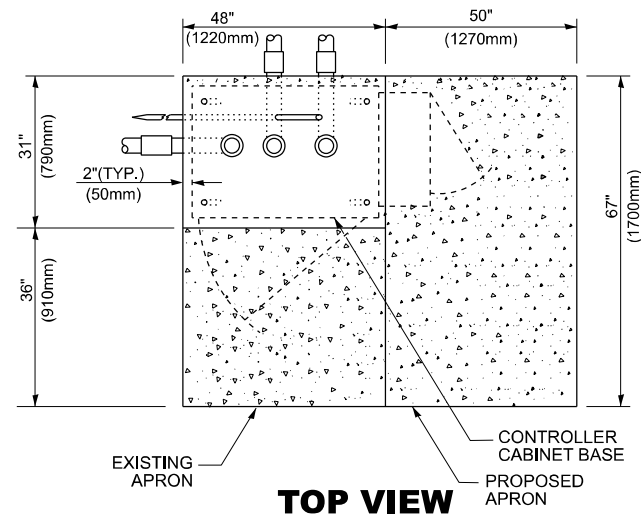
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

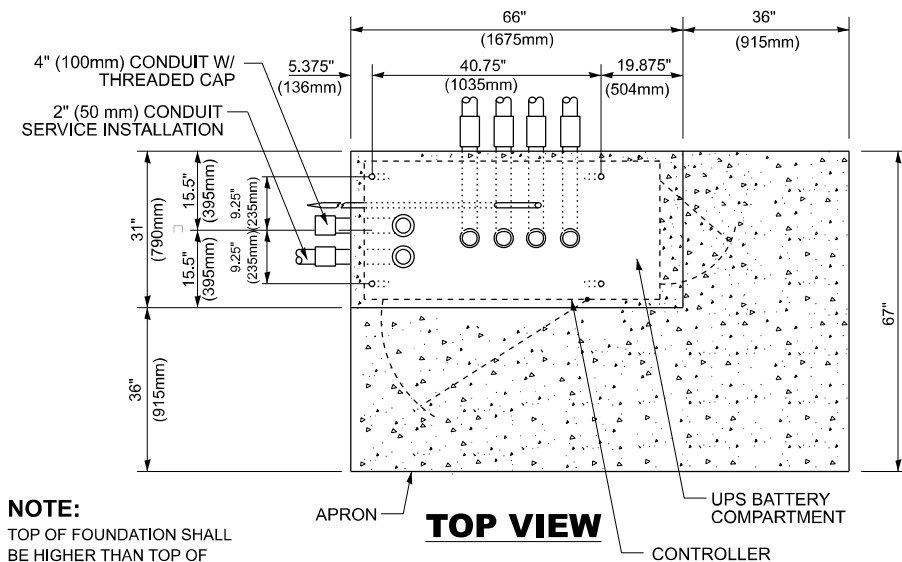
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

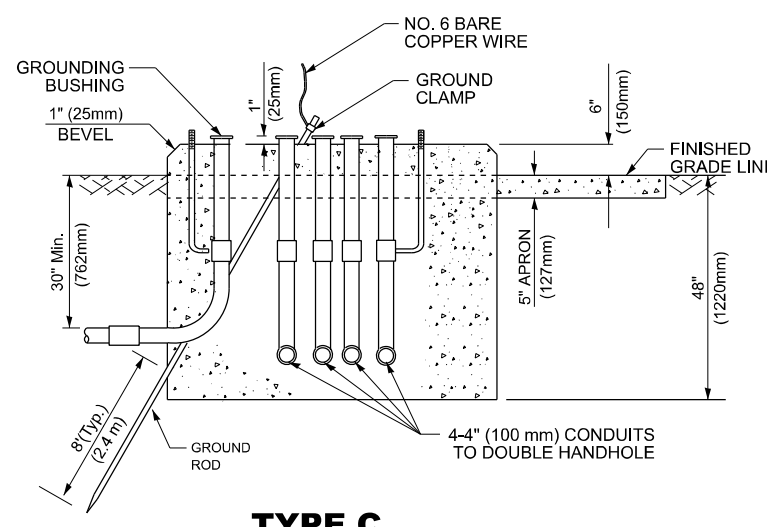
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05		CONTRACT NO. 80B15		
ILLINOIS FED. AID PROJECT				



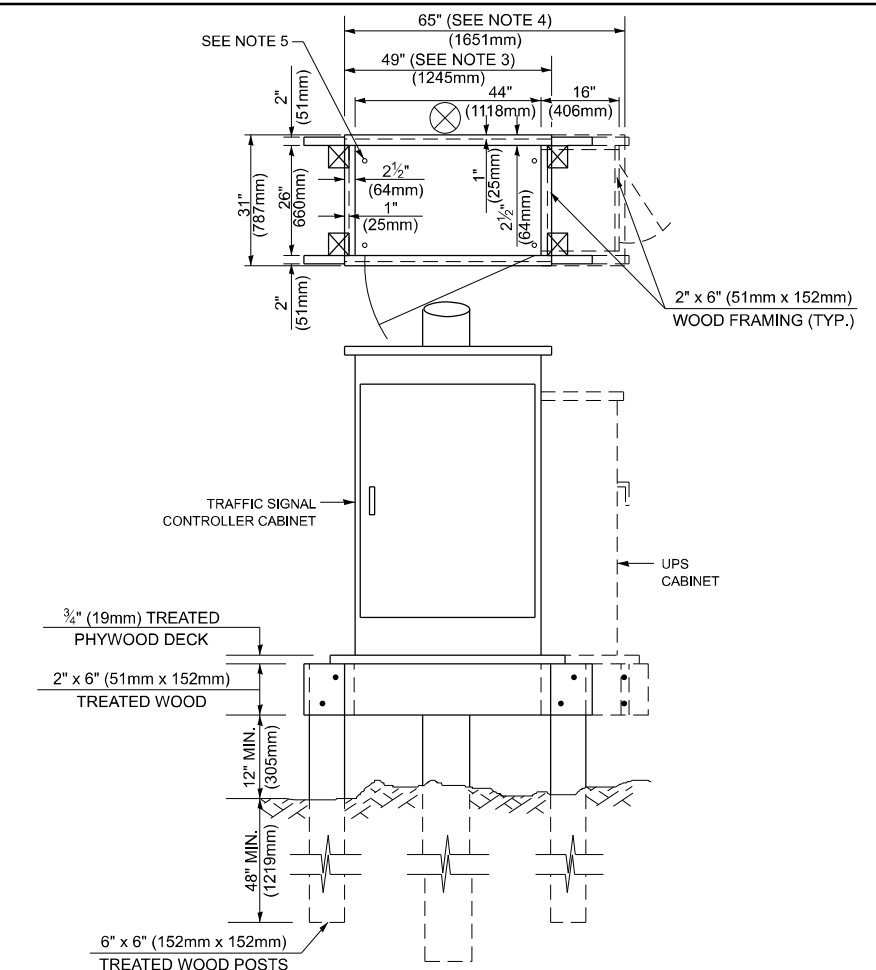
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



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



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

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

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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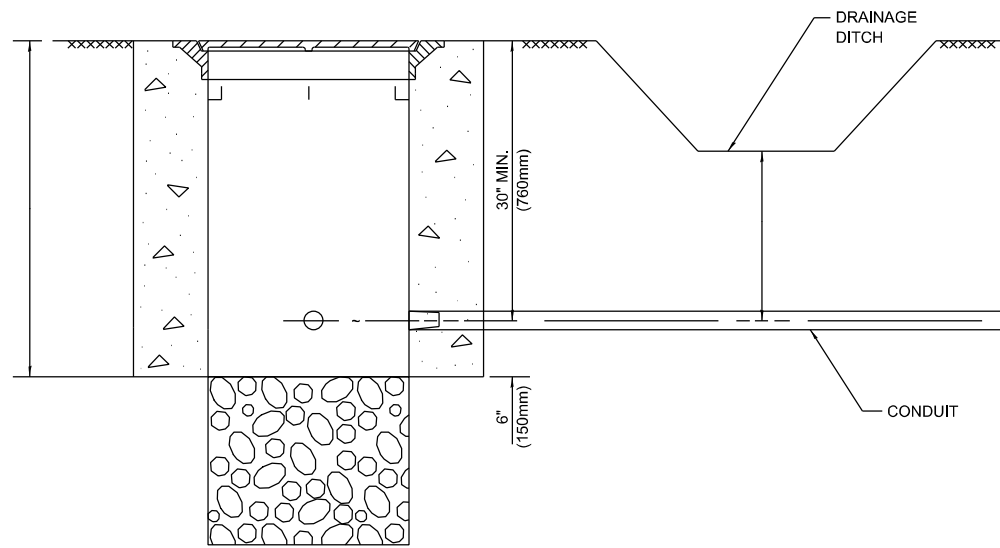
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

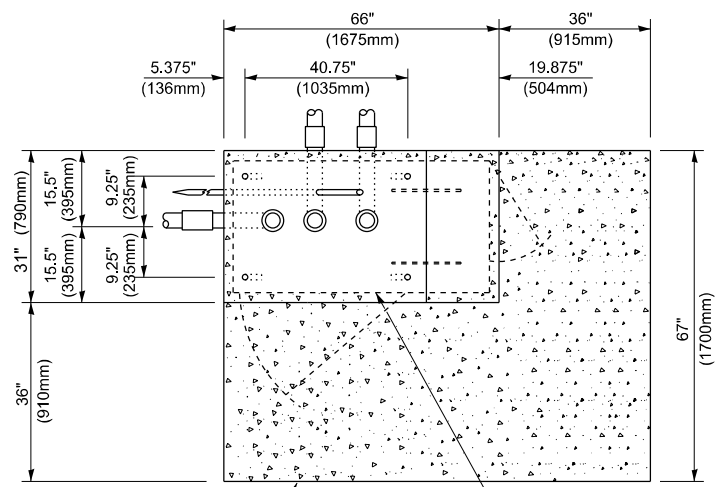
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	46
TS-05			CONTRACT NO. 80B15	
ILLINOIS FED. AID PROJECT				



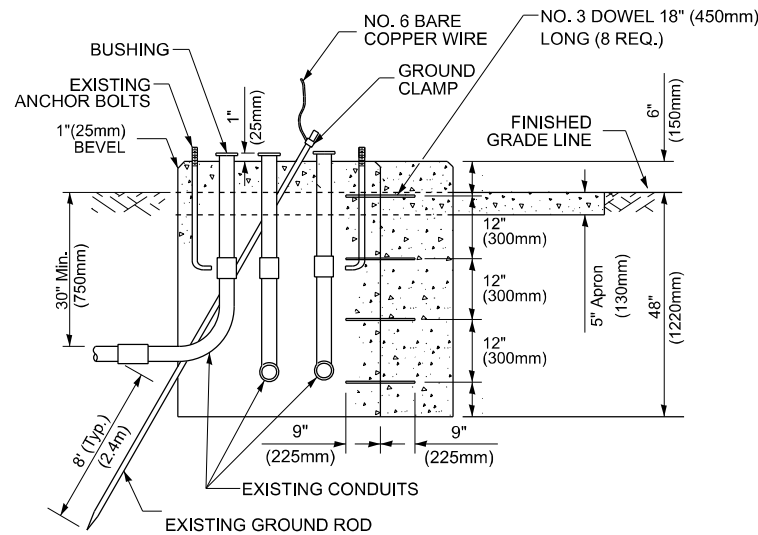
NOTES:

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

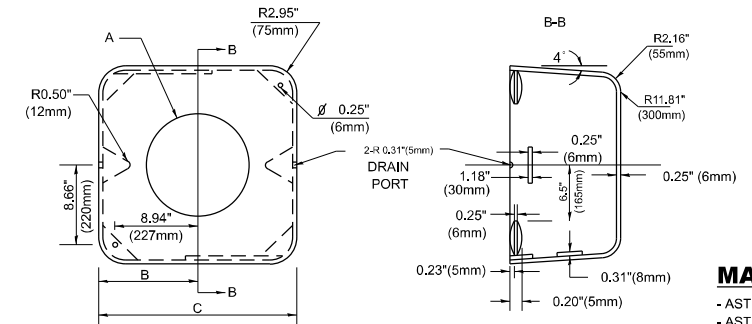
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



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



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

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

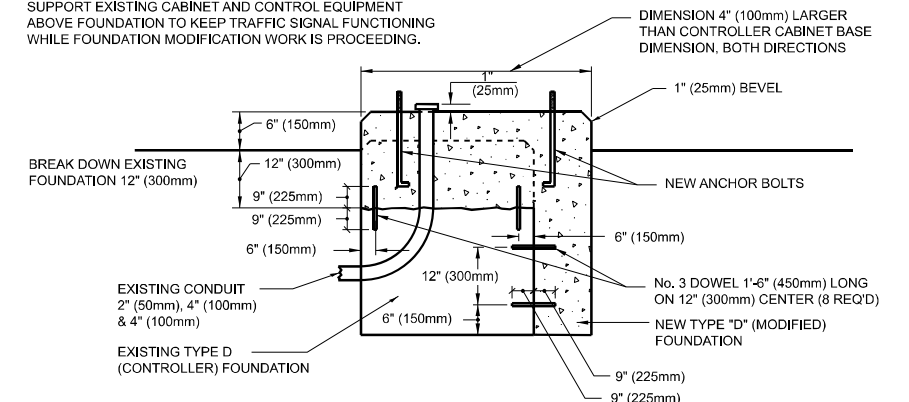
SHROUD

NOTES:

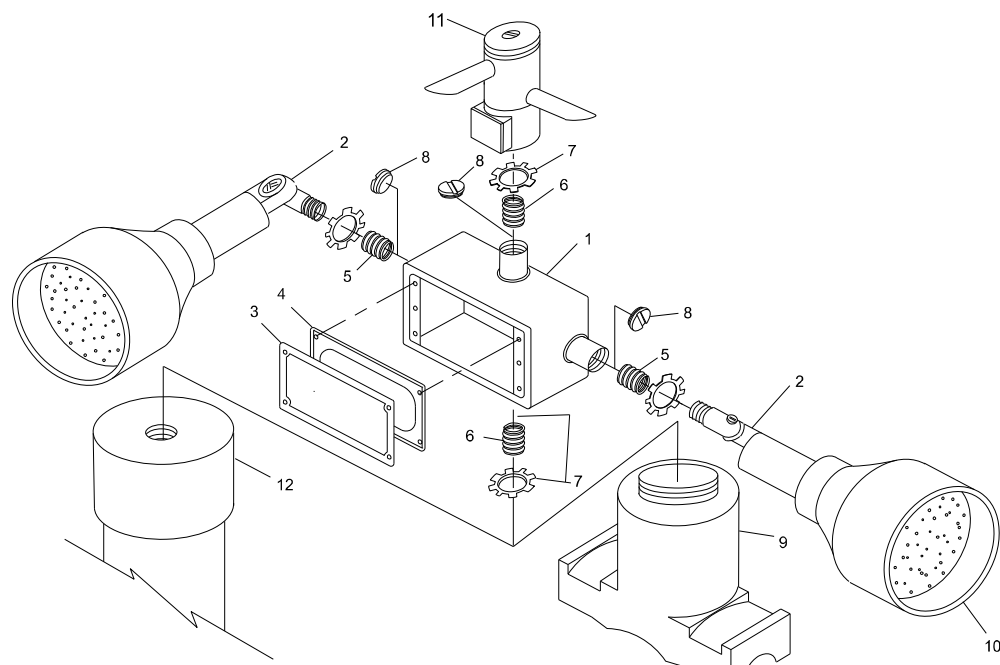
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION

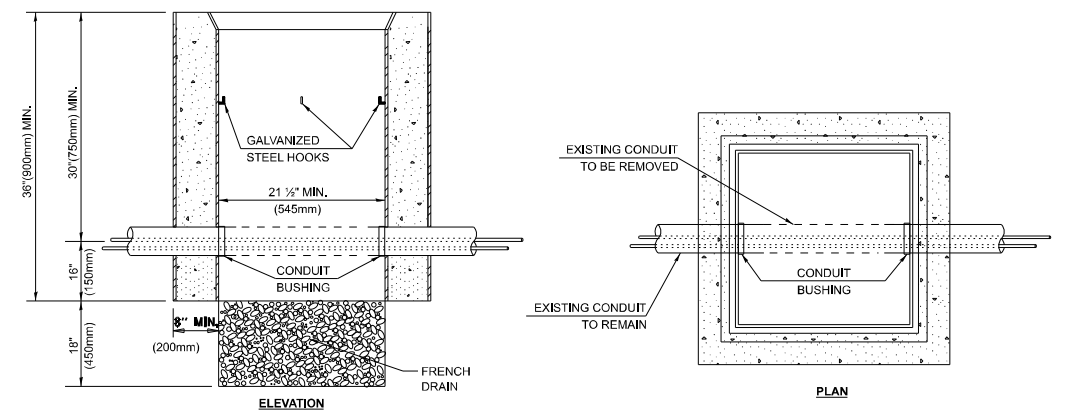


POST CAP MOUNT MAST ARM MOUNT
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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

NOTES:

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



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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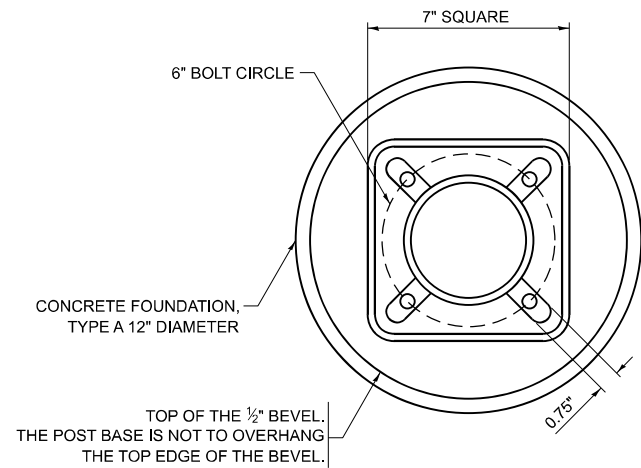
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	DRAWN -	REVISED -
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PLOT DATE = 12/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

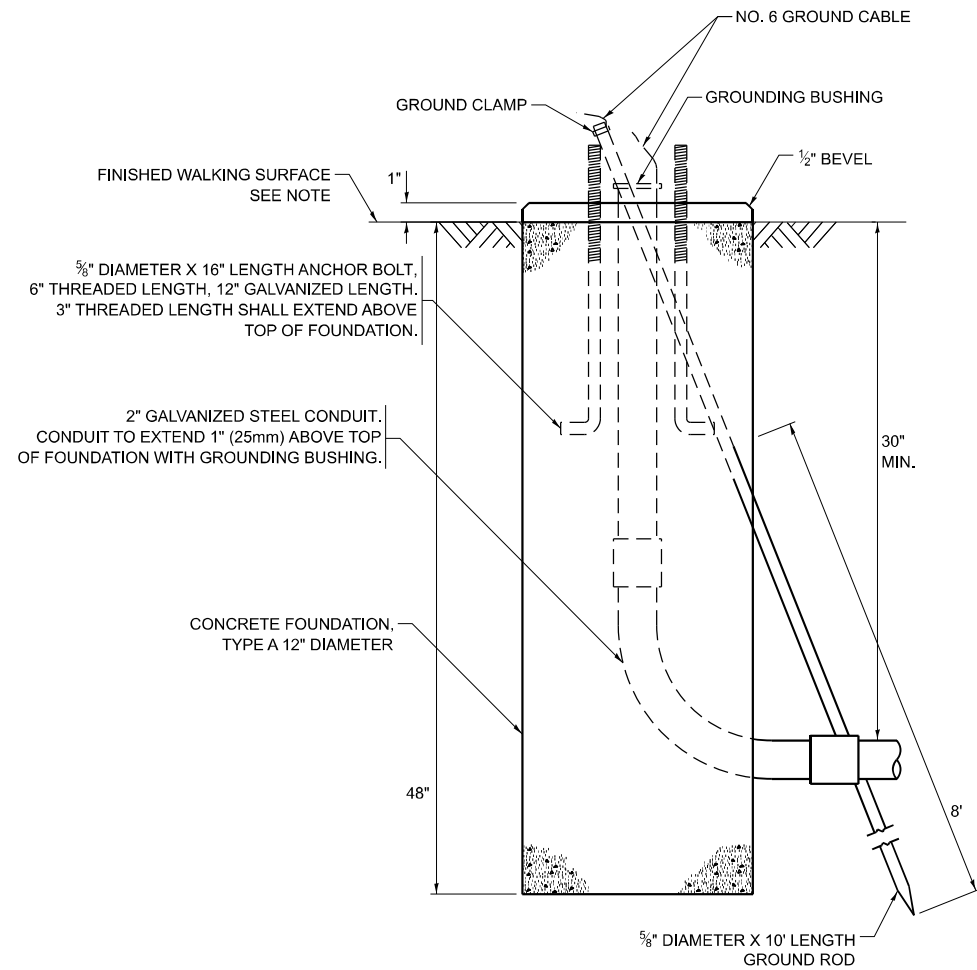
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	47
TS-05		CONTRACT NO. 80B15		
ILLINOIS FED. AID PROJECT				

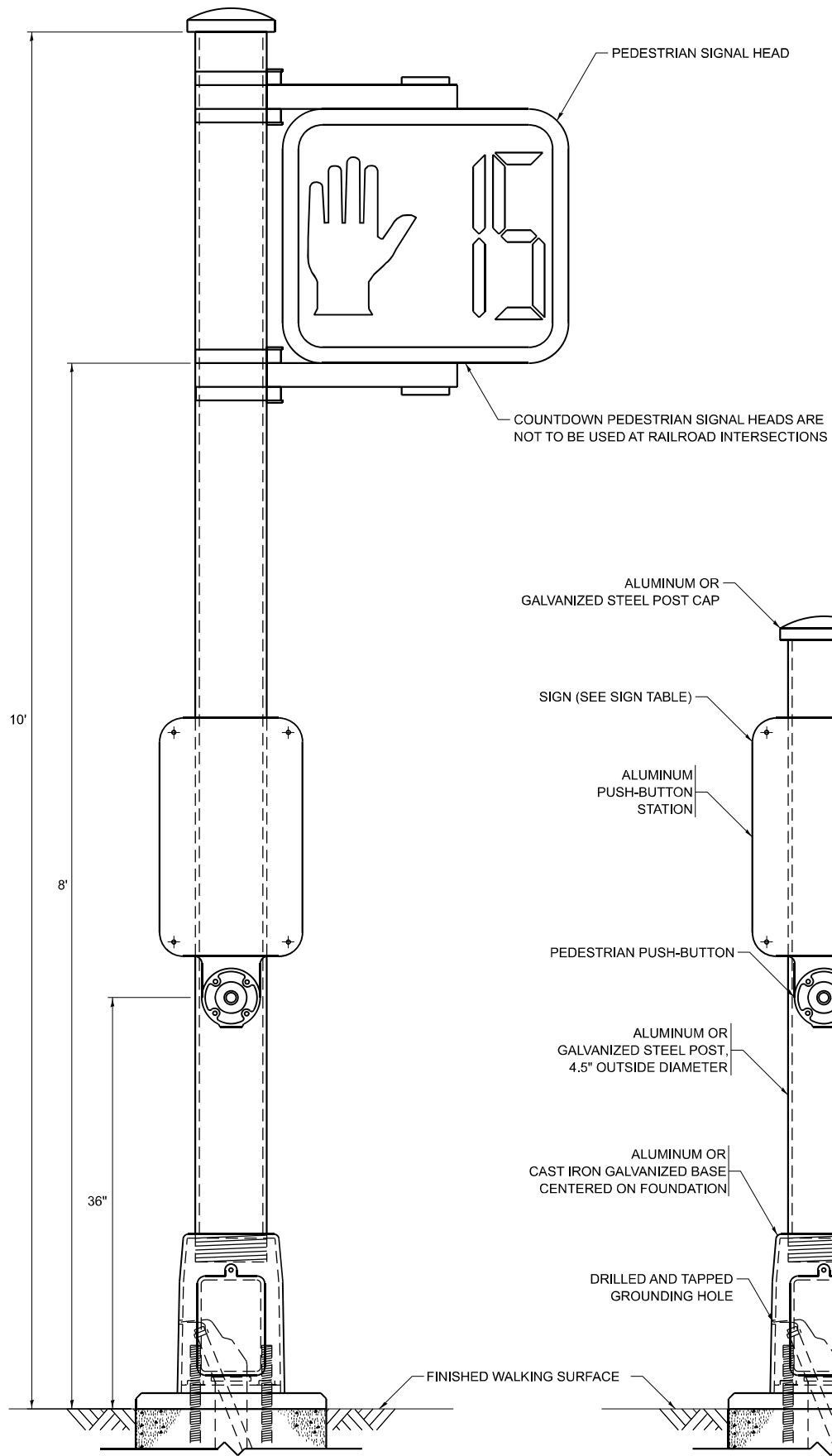


BOLT PATTERN

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

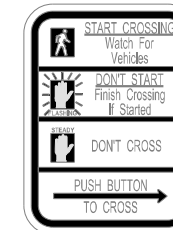


CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER

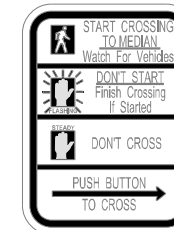


PEDESTRIAN SIGNAL POST, 10 FT.

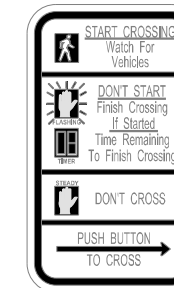
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

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

NOTES:

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

MODEL: TS-05g (Sheet)
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	DRAWN - IP	REVISED -
	CHECKED - LP	REVISED -
PLOT DATE = 12/5/2025	DATE - 10-15-2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

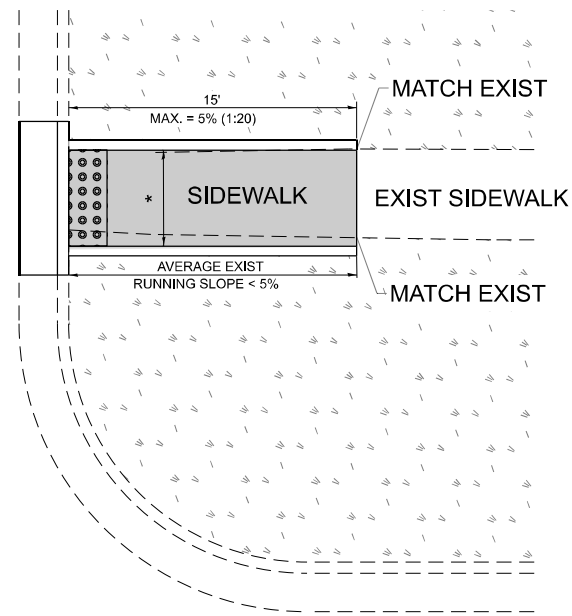
**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

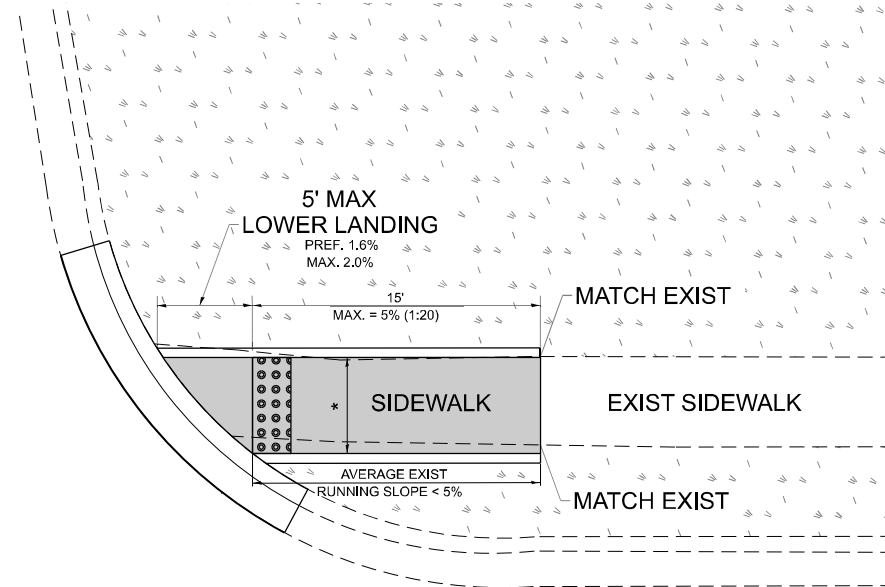
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	48
TS-05		CONTRACT NO. 80B15		
ILLINOIS FED. AID PROJECT				

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

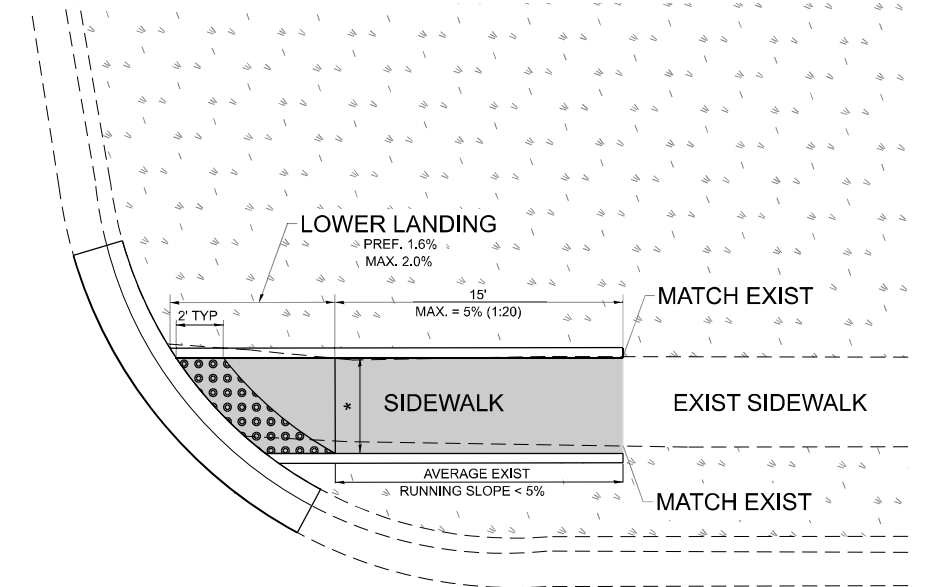
PD-01A



PD-01B



PD-01C



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

MODEL: PD-01 (Sheet)
FILE NAME: c:\pwworking\roth\p1\143894\116825-shh-Dist\Std.dgn

USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2025-1089-RS	DUPAGE	50	49
PD-01			CONTRACT NO. 80B15	
ILLINOIS FED. AID PROJECT				

