

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PROPOSED**  
**HIGHWAY PLANS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS&SW	LAKE	42	1
ILLINOIS CONTRACT NO. 62G26				

\* 42 + 1 = 43 TOTAL SHEETS

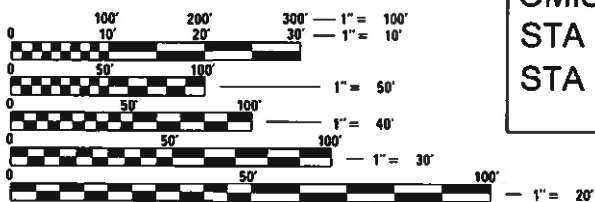
FOR INDEX OF SHEET, SEE SHEET NO.2

**THE PROJECT IS LOCATED IN THE VILLAGE OF ANTIOCH**

**F.A.P. 303: IL RTE. 173 (ROSECRANS RD.)  
 BROWN AVE. TO HUNT CLUB RD.  
 SECTION: 135 RS & SW  
 PROJECT: NHPP - WGS(313)  
 DESIGNED, STANDARD, SMART OVERLAY &  
 ADA IMPROVEMENT  
 LAKE COUNTY**

**TRAFFIC DATA**

IL RTE. 173 (ROSECRANS RD.): 2019 ADT = 15200  
 POSTED SPEED LIMIT = 55 MPH



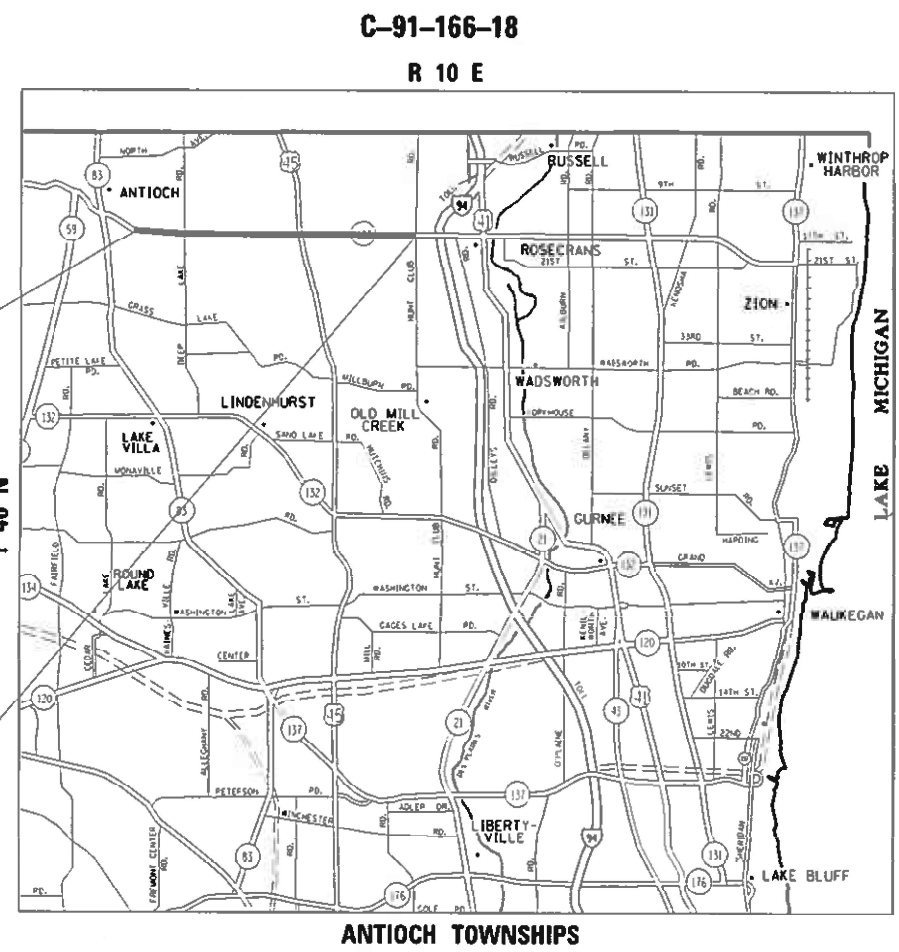
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

**PROJECT BEGIN  
 STA 12+96.9**

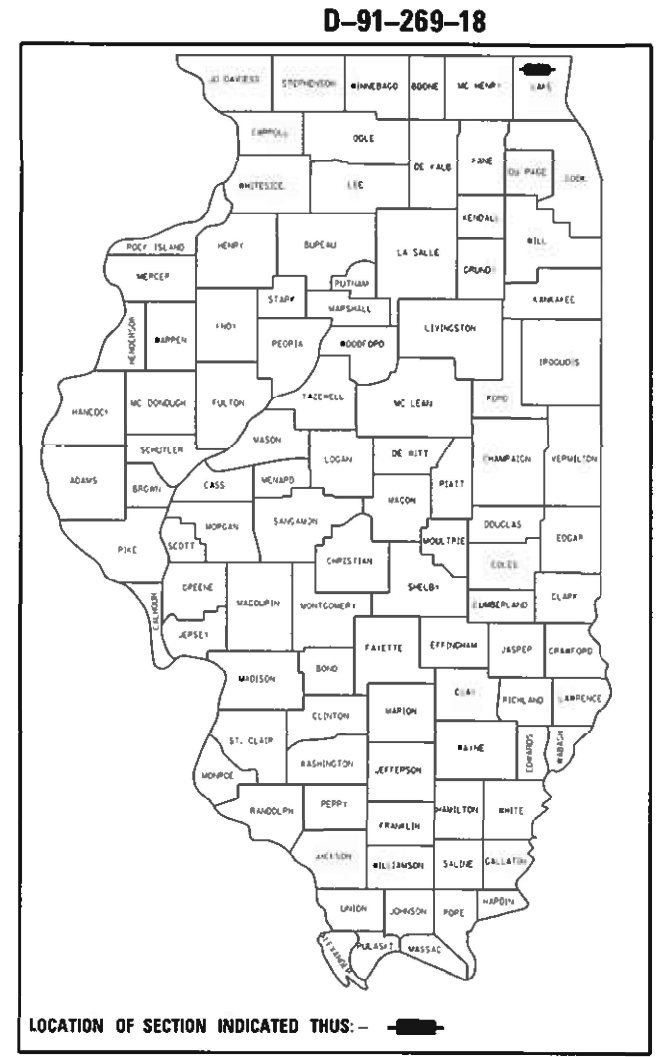
**OMISSION  
 STA 153+90 TO STA. 173+78.4  
 STA 185+24.4 TO STA. 186+43**

**PROJECT ENDS  
 STA 295+59.3**



**PROJECT MANAGER: ALAIN MIDY (847) 221-3056**  
**PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705-4580**  
**CONTRACT NO. 62G26**

GROSS LENGTH = 28262.4 FT. = 5.35 MILE  
 NET LENGTH = 26154.6 FT. = 4.95 MILE



LOCATION OF SECTION INDICATED THUS: [shaded area symbol]

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED *November 16, 2022*

*Jose Luis Lopez*  
 REGIONAL ENGINEER

December 9, 2022

*Steph M. Smith*  
 ENGINEER OF DESIGN AND ENVIRONMENT

December 9, 2022

*Steph M. Smith*  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

**INDEX OF SHEETS**

**STATE HIGHWAY STANDARDS**

**GENERAL NOTES**

SHEET NO. DESCRIPTION

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2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6	SCHEDULE OF QUANTITIES
7-8	EXISTING AND PROPOSED TYPICAL SECTIONS
9-18	ROADWAY PLAN
19-26	APS AND DETECTOR LOOP REPLACEMENT PLANS
27	ADA DETAIL FOR SINGLE PREPENDICULAR CURB RAMPS (PD-01)
28	ADA DETAIL FOR SINGLE PREPENDICULAR CURB RAMPS (PD-02)
29	ADA DETAIL FOR DOUBLE PREPENDICULAR CURB RAMPS (PD-03)
30	ADA DETAIL FOR SINGLE PREPENDICULAR CURB RAMPS WITH TURNING SPACE (PD-04)
31	ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS (PD-05)
32	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)
33	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
34	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
35	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
36	RUMBLE STRIP FOR CENTERLINE, NON-FREEWAY (BD-55)
37	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
38	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)
39	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
40	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
41	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
42	ARTERIAL ROAD INFORMATION SIGN (TC-22)

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
424001-11	PREPENDICULAR CURB RAMPS FOR SIDEWALK
424031-02	MEDIAN PEDESTRIAN CROSSING
701001-02	OFF-ROAD OPERATION, 2L, 2W, MORE THEN 15' (4.5m) AWAY
701006-05	OFF-ROAD OPERATION, 2L, 2W, 15' to 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATION, 2L, 2W, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATION, MULTILANE, MORE THEN 15' (4.5 m) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE , 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE , 2L, 2W, SLOW MOVING OPERATIONS-DAY ONLY, FOR SPEED ≥ 45 MPH
701311-03	LANE CLOSURE , 2L, 2W, MOVING OPERATIONS-DAY ONLY
701336-07	LANE CLOSURE , 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH, BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	LANE CLOSURE MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF ANTIOCH.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN , IDOT AREA TRAFFIC FIELD ENGINEER VIA E-MAIL AT FADI.SULTAN@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- ALL MILLED SURFACE SHALL BE AT A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES AND ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
- CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 2 WEEKS PRIOR TO BEGINNING LANDSCAPE OR FORESTRY WORK FOR LAYOUT.

FILE NAME =	USER NAME = Addis.Abebe	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES IL RTE. 173 (ROSECRANS RD.)- BROWN AVE. TO HUNT CLUB RD.</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	DOT Offices\District 1\Projects\DI26918\CAD\DRAWING\DI26918-sht-plen.dgn	CHECKED -	REVISED -			303	135 RS & SW	LAKE	42	2	
	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			CONTRACT NO. 62G26					
	PLOT DATE = 11/23/2022					SCALE:	SHEET	OF	SHEETS	STA.	TO

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 OVERLAY 80% FED 20% STATE	TRAFFIC 0021 80% FED 20% STATE	0005 OVERLAY 100% STATE			
20200100	EARTH EXCAVATION	CU YD	10.5	10.5					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	150	150					
25200110	SODDING, SALT TOLERANT	SO YD	150	150					
28000400	PERIMETER EROSION BARRIER	FOOT	3600	3600					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	66747	66747					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	38190	38190					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	117	117					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	396	396					
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	4216	4216					
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	924	924					
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	11595	11595					
42001300	PROTECTIVE COAT	SO YD	235	235					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	620	620					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 OVERLAY 80% FED 20% STATE	TRAFFIC 0021 80% FED 20% STATE	0005 OVERLAY 100% STATE			
42400800	DETECTABLE WARNINGS	SO FT	80	80					
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	58282	58282					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	22384	22384					
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SO YD	37651	37651					
44000600	SIDEWALK REMOVAL	SO FT	600	600					
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SO YD	400	400					
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SO YD	400	400					
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SO YD	500	500					
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SO YD	500	500					
44201831	CLASS D PATCHES, TYPE III, 15 INCH	SO YD	500	500					
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SO YD	500	500					
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SO YD	600	600					
44201843	CLASS D PATCHES, TYPE III, 16 INCH	SO YD	600	600					
44201845	CLASS D PATCHES, TYPE IV, 16 INCH	SO YD	320	320					

FILE NAME =	USER NAME = AddisAbeba	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100,0000' / 1in	CHECKED -	REVISED -	CONTRACT NO. 62G26							
PLOT DATE = 11/23/2022	DATE -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		0005 OVERLAY 80% FED 20% STATE	TRAFFIC 0021 80% FED 20% STATE	0005 OVERLAY 100% STATE	
45100100	CRACK ROUTING (PAVEMENT)	FOOT	5691	5691			
45100200	CRACK FILLING	POUND	1626	1626			
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	698	698			
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2			
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2	2			
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	10	10			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	165	165			
* 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	4	4			
67100100	MOBILIZATION	L SUM	1	1			
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1			
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1			

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		0005 OVERLAY 80% FED 20% STATE	TRAFFIC 0021 80% FED 20% STATE	0005 OVERLAY 100% STATE	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1			
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	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			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	196144	196144			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	81562	81562			
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SO FT	1286.6	1286.6			
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	84763	84763			
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	4784	4784			

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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G26	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT		0005 OVERLAY 80% FED 20% STATE	TRAFFIC 0021 80% FED 20% STATE	0005 OVERLAY 100% STATE						0005 OVERLAY 80% FED 20% STATE	TRAFFIC 0021 80% FED 20% STATE	0005 OVERLAY 100% STATE				
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"-	FOOT	150	150						* 78009000	MODIFIED URETHANE PAVEMENT MARKING -	SO FT	73.2	73.2				
	PAINT										LETTERS AND SYMBOLS							
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"-	FOOT	1905	1905						* 78009004	MODIFIED URETHANE PAVEMENT MARKING -	FOOT	9091	9091				
	PAINT										LINE 4"							
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"-	FOOT	620	620						* 78009006	MODIFIED URETHANE PAVEMENT MARKING -	FOOT	815	815				
	PAINT										LINE 6"							
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" -	FOOT	49036	49036						* 78009012	MODIFIED URETHANE PAVEMENT MARKING -	FOOT	600	600				
	TYPE III TAPE										LINE 12"							
* 78000100	THERMOPLASTIC PAVEMENT MARKING -	SO FT	1286	1286						* 78009024	MODIFIED URETHANE PAVEMENT MARKING -	FOOT	60	60				
	LETTERS AND SYMBOLS										LINE 24"							
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	84763	84763						* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1560	1560				
	4"																	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	4784	4784						78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1300	1300				
	6"										REMOVAL							
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	150	150						78300202	PAVEMENT MARKING REMOVAL - WATER	SO FT	33607	33607				
	8"										BLASTING							
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	1905	1905						85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL	EACH	2	2				
	12"										INSTALLATION							
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	620	620						* 88600100	DETECTOR LOOP, TYPE I	FOOT	1165	1165				
	24"																	
										* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2440	2440				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 OVERLAY 80% FED 20% STATE	TRAFFIC 0021 80% FED 20% STATE	0005 OVERLAY 100% STATE		
89502375	REMOVE EXISTING TRAFFIC SIGNAL	EACH	2		2			
	EQUIPMENT							
X0100018	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	UNIT	75	75				
X0326898	CENTER LINE - RUMBLE STRIP - 16"	FOOT	8063	8063				
X1400388	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1		1			
X2010100	TREE LIMB REMOVAL (4 TO 10 INCHES DIAMETER)	EACH	2	2				
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	391	391				
X2100002	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	UNIT	25	25				
X4060995	TEMPORARY RAMP, SPECIAL	SO YD	135	135				
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	50	50				
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	300			300		
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	700			700		
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	10	10				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 OVERLAY 80% FED 20% STATE	TRAFFIC 0021 80% FED 20% STATE	0005 OVERLAY 100% STATE		
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6				
X7800815	HOT SPRAY THERMOPLASTIC PAVEMENT	FOOT	16130	16130				
	MARKING LINE - 4 INCH							
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4		4			
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	450	450				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	34			34		
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	102.8	102.8				
Z0064800	SELECTIVE CLEARING	UNIT	98.34	98.34				
Z0076600	TRAINEES	HOURS	500	500				
Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500				

FILE NAME =	USER NAME = Addis.Abeba	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G26	

Ø 0042

TREE LIMB REMOVAL (4 TO 10 INCHES DIAMETER)	
	STATION
NB	STA. 273 +25 TO STA. 273+50
TOTAL EACH	2

TREE REMOVAL (UNDER 6 UNITS DIAMETER)	
STATION	QUANTITY
SB	STA. 110 +00 TO STA. 115+00
TOTAL UNITS	75

SELECTIVE CLEARING	
	STATION
NB	STA. 12+96.9 TO 14+85
	STA. 44+00 TO 78+00
	STA. 117+00 TO 118+50
	STA. 123+00 TO 129+00
	STA. 145+00 TO 152+00
	STA. 179+00 TO 183+25
	STA. 228+60 TO 231+00
	STA. 281+00 TO 285+00
SB	STA. 12+96.9 TO 14+85
	STA. 15+37.87 TO 19+20.52
	STA. 78+00 TO 80+50
	STA. 95+00 TO 99+62
	STA. 110+00 TO 115+00
	STA. 181+00 TO 185+00
TOTAL UNITS	98.34

PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	
	STATION
SB	STA. 63+50 TO 67+75
	STA. 201+50 TO 204+00
	STA. 213+00 TO 218+00
	STA. 221+00 TO 227+00
TOTAL UNIT	24.5

**NOTE:**

- CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT FOR LANDSCAPING WORK (SEE GENERAL NOTE NO. 20)
- ALL TREE REMOVAL WORK SHALL BE DONE BEFORE APRIL 1 OR AFTER OCTOBER 31.

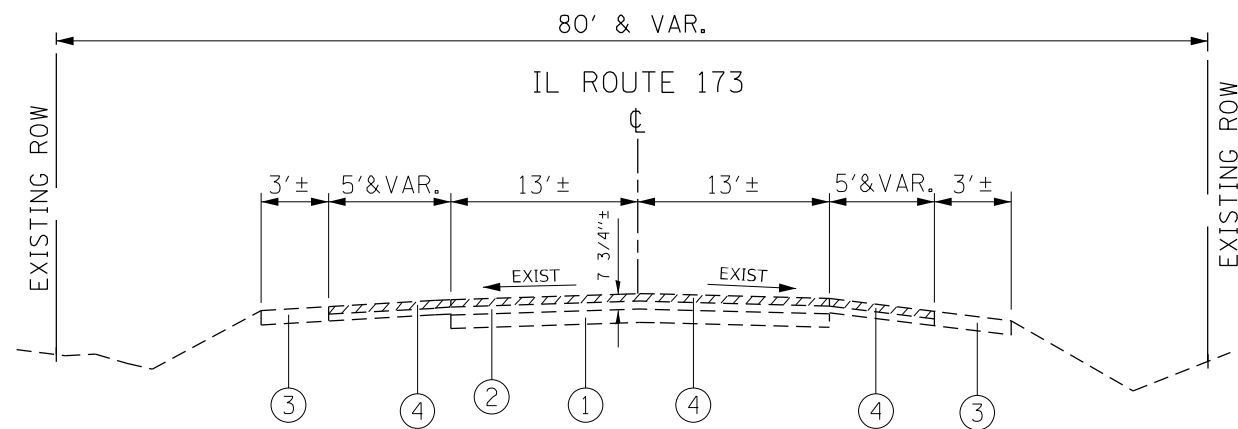
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

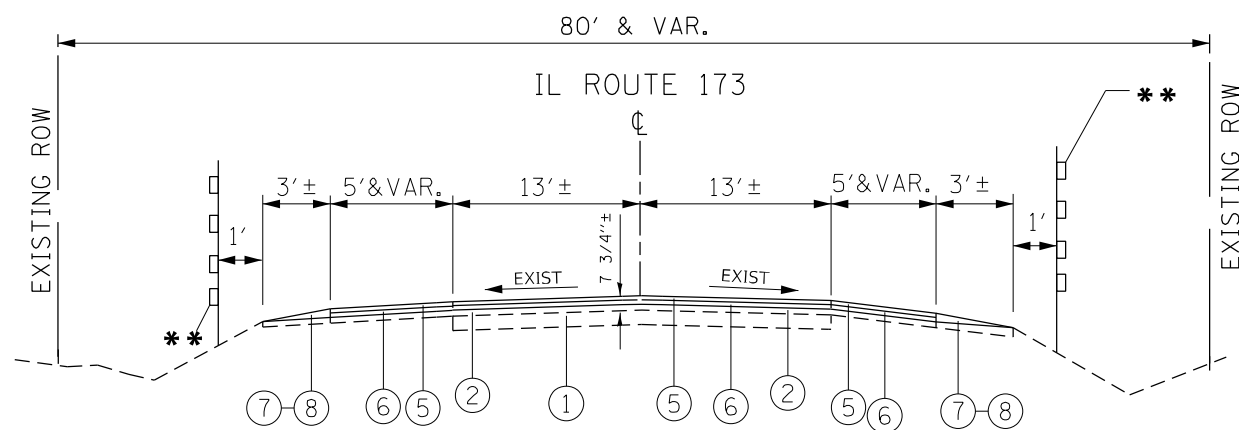
SCHEDULE OF QUANTITY	
IL RTE. 173 (ROSECRANS RD.)- BROWN AVE. TO HUNT CLUB RD.	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	6
			CONTRACT NO. 62G26	
		ILLINOIS	FED. AID PROJECT	



**EXISTING TYPICAL SECTION (DESIGN OVERLAY)**

IL RTE. 173 (ROSECRANS RD.)  
 STA. 12+96.6 TO STA. 50+00  
 STA. 284+00 TO STA. 295+59.3



**PROPOSED TYPICAL SECTION (DESIGN OVERLAY)**

IL RTE. 173 (ROSECRANS RD.)  
 STA. 12+96.6 TO STA. 50+00  
 STA. 284+00 TO STA. 295+59.3

**LEGEND**

- ① EXIST. HOT-MIX ASPHALT PAVEMENT ± 10"
- ② EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 4"
- ②A EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 6 "
- ②B EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 5 1/4"
- ③ EXIST. AGGREGATE SHOULDER
- ③A EXIST. HOT-MIX ASPHALT SHOULDER ± 8"
- ④ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- ④A PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
- ④B PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑤ PROP. POLY. HMA SURFACE COURSE, MIX "E" IL-9.5, N70, 1 3/4"
- ⑥ PROP. HMA BINDER COURSE, IL-9.5, N70, 2"
- ⑥A PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 3/4"
- ⑦ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑧ PROP. GRADING AND SHAPING SHOULDER
- \* ⑨ PROP. CENTER LINE- RUMBLE STRIP-16"

\*\* PERIMETER EROSION BARRIER  
 STA. 46+00 TO STA. 64+00

\* RUMBLE STRIP

STA. 50+00 TO STA. 57+53.82  
 STA. 69+90 TO STA. 82+54.88  
 STA. 120+00 TO STA. 153+90  
 STA. 173+78.4 TO STA. 200+31.81

NOTE: (DESIGN OVERLAY)

- THE LONGITUDINAL JOINT SHALL BE PLACED OVER HMA BC, IL-9.5, N70

MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE USES	VOIDS @ Ndes	
<b>PAVEMENT RESURFACING( INCLUDING SHOULDER)</b>		
POLY. HMA SURFACE COURSE, MIX "E" IL-9.5, N70, 1 3/4"	4% AT 70 GYR.	<b>QCP</b>
POLY. HMA BINDER COURSE, IL-4.75, N50, 3/4"	3.5% AT 50 GYR.	<b>QC/QA</b>
HMA BINDER COURSE, IL-9.5, N70, 2"	4% AT 70 GYR.	<b>QCP</b>
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER, IL-19.0)	4% AT 70 GYR.	<b>QC/QA</b>
<b>TEMPORARY RAMP</b>		
HMA BINDER COURSE, IL-9.5, N70 (VAR. DEPTH)	4% AT 70 GYR.	<b>QC/QA</b>
QMP Designation: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP)		

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN

NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

**THE CONTRACTOR SHALL MILL FIRST THEN PATCH**

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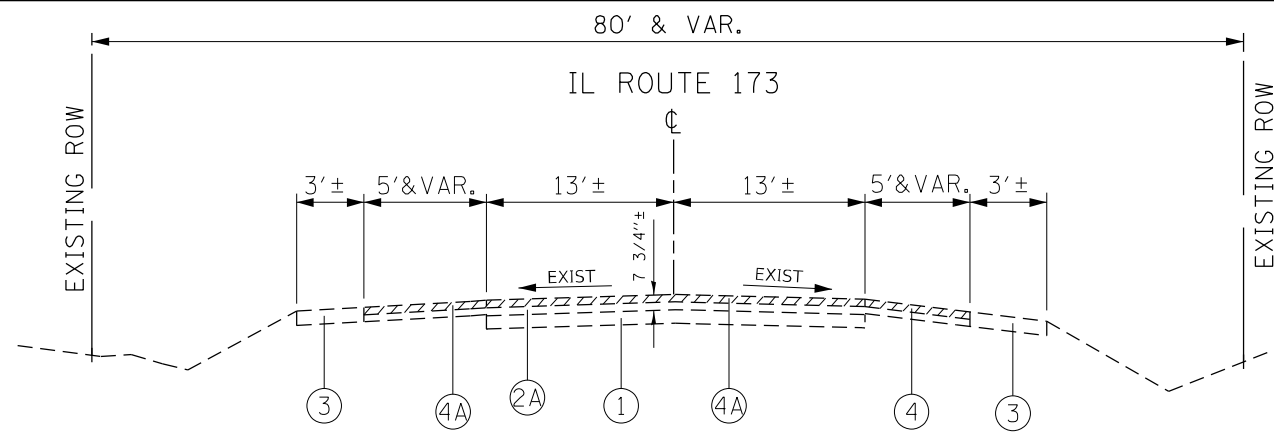
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	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>EXISTING AND PROPOSED TYPICAL SECTIONS</b>			
<b>IL RTE. 173 (ROSECRANS RD.)- BROWN AVE. TO HUNT CLUB RD.</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

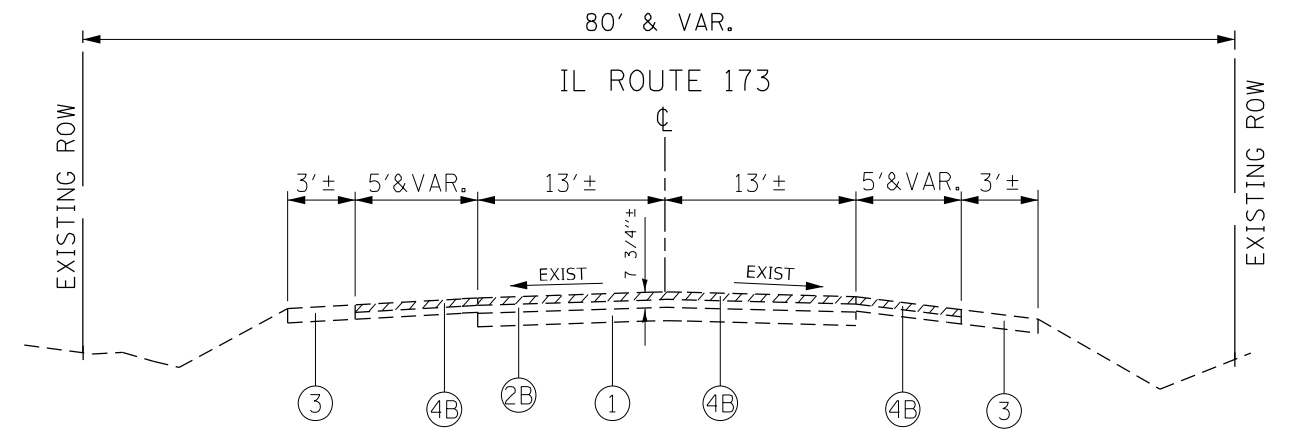
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303	135 RS & SW	LAKE	42	7
			CONTRACT NO. 62G26	
		ILLINOIS	FED. AID PROJECT	





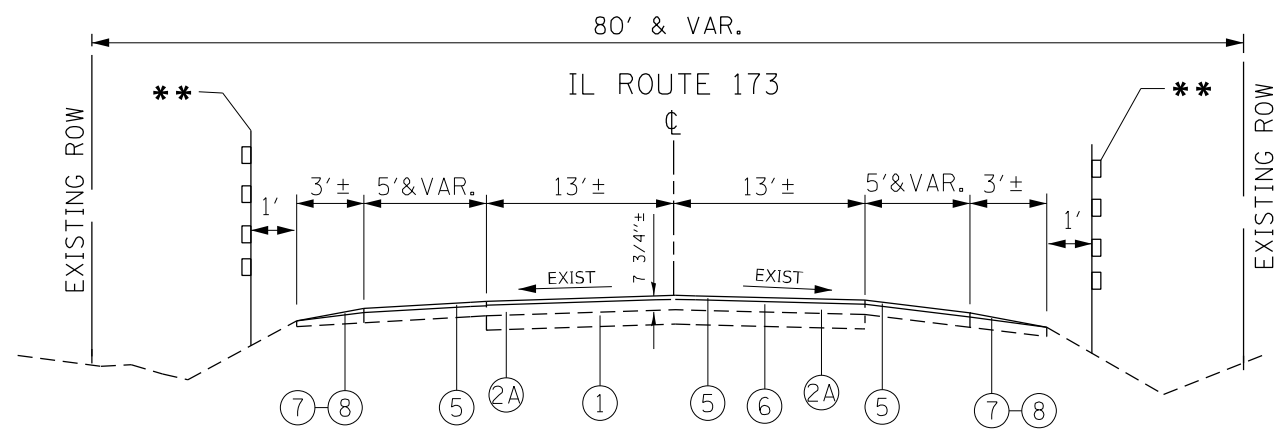
**EXISTING TYPICAL SECTION (SMART OVERLAY)**

IL RTE. 173 (ROSECRANS RD.)  
 STA. 50+00 TO STA. 194+01.96  
 STA. 220+37.9 TO STA. 228+59.8



**EXISTING TYPICAL SECTION (STANDARD OVERLAY)**

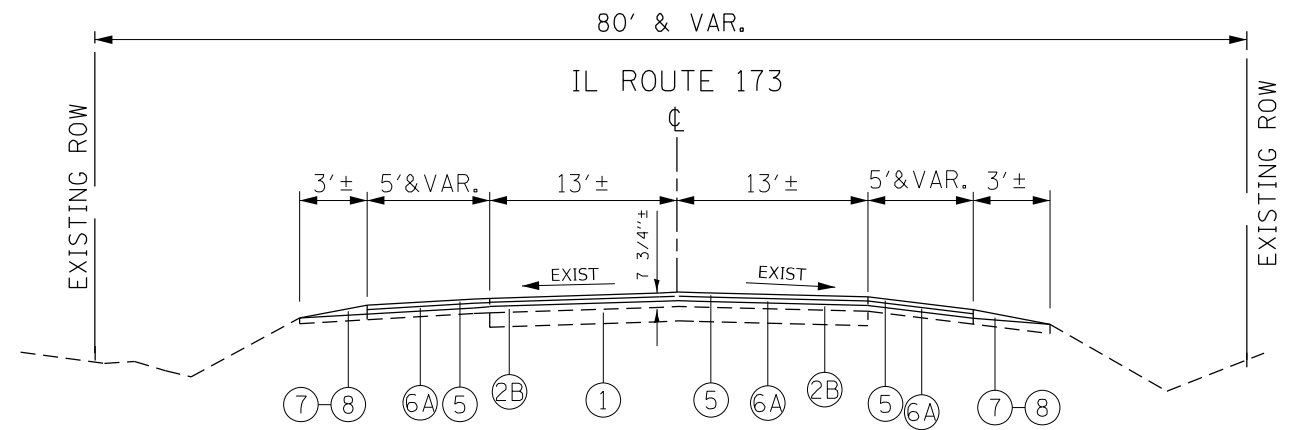
IL RTE. 173 (ROSECRANS RD.)  
 STA. 228+59.8 TO STA. 284+00



**PROPOSED TYPICAL SECTION (SMART OVERLAY)**

IL RTE. 173 (ROSECRANS RD.)  
 STA. 50+00 TO STA. 194+01.96  
 STA. 220+37.9 TO STA. 228+59.8

\*\* PERIMETER EROSION BARRIER  
 STA. 46+00 TO STA. 64+00



**PROPOSED TYPICAL SECTION (STANDARD OVERLAY)**

IL RTE. 173 (ROSECRANS RD.)  
 STA. 228+59.8 TO STA. 284+00

**\* RUMBLE STRIP**

STA. 50+00 TO STA. 57+53.82  
 STA. 69+90 TO STA. 82+54.88  
 STA. 120+00 TO STA. 153+90  
 STA. 173+78.4 TO STA. 200+31.81

**NOTE: (SMART OVERLAY)**

- THE LONGITUDINAL JOINT SHALL BE PLACED OVER MILLED SURFACE

**NOTE: (STANDARD OVERLAY)**

- THE LONGITUDINAL JOINT SHALL BE PLACED OVER POLY. BINDER COURSE

**LEGEND**

- ① EXIST. HOT-MIX ASPHALT PAVEMENT ± 10"
- ② EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 4"
- ②A EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 6 "
- ②B EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 5 1/4"
- ③ EXIST. AGGREGATE SHOULDER
- ③A EXIST. HOT-MIX ASPHALT SHOULDER ± 8"
- ④ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- ④A PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
- ④B PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑤ PROP. POLY. HMA SURFACE COURSE, MIX "E" IL-9.5, N70, 1 3/4"
- ⑥ PROP. HMA BINDER COURSE, IL-9.5, N70, 2"
- ⑥A PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 3/4"
- ⑦ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑧ PROP. GRADING AND SHAPING SHOULDER
- \* ⑨ PROP. CENTER LINE- RUMBLE STRIP-16"

**THE CONTRACTOR SHALL MILL FIRST THEN PATCH**

**CRACK AND JOINT SEALING**

IL RTE. 173 (ROSECRANS RD.)  
 STA. 194+01.96 TO STA. 220+37.9

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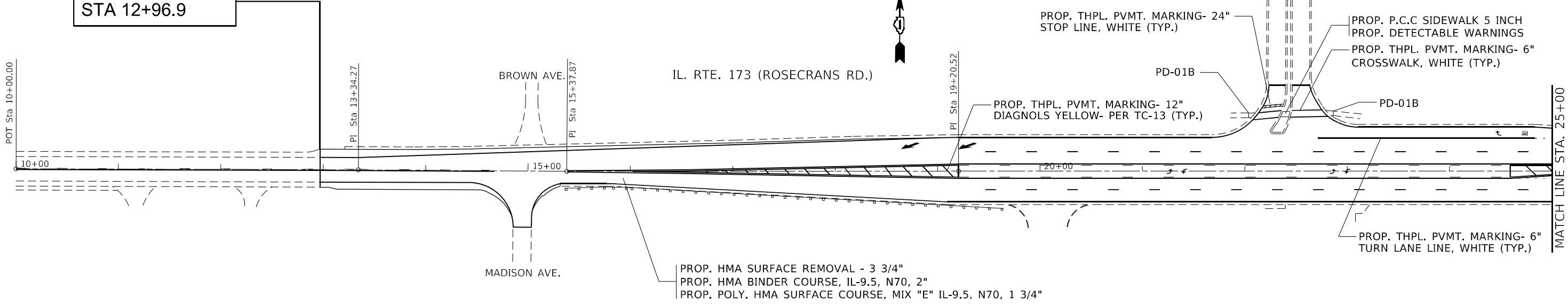
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

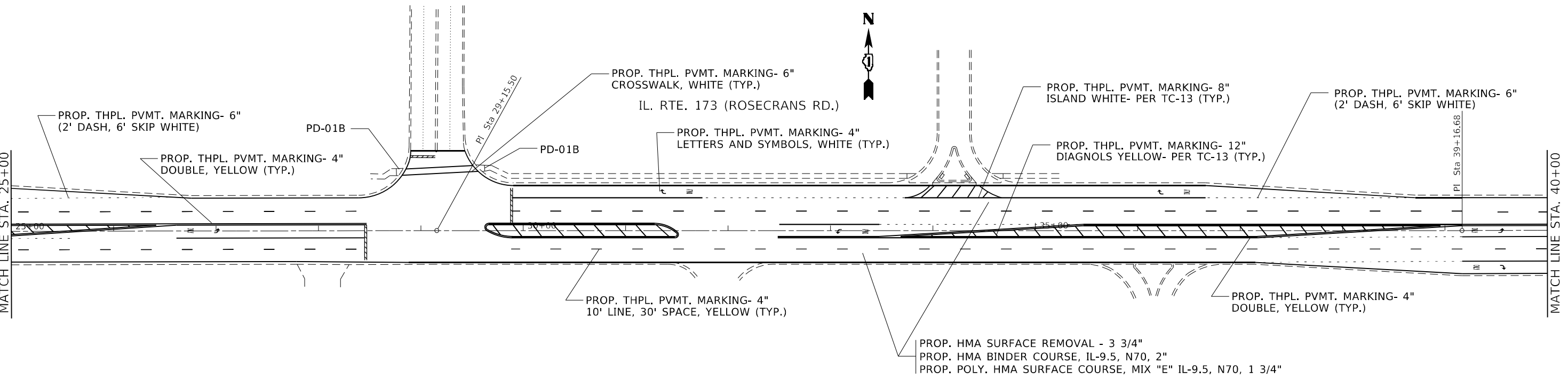
<b>EXISTING AND PROPOSED TYPICAL SECTIONS</b>			
<b>IL RTE. 173 (ROSECRANS RD.)- BROWN AVE. TO HUNT CLUB RD.</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 303	SECTION 135 RS & SW	COUNTY LAKE	TOTAL SHEETS 42	SHEET NO. 8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G26	

PROJECT BEGIN  
STA 12+96.9



PROP. HMA SURFACE REMOVAL - 3 3/4"  
PROP. HMA BINDER COURSE, IL-9.5, N70, 2"  
PROP. POLY. HMA SURFACE COURSE, MIX "E" IL-9.5, N70, 1 3/4"



PROP. HMA SURFACE REMOVAL - 3 3/4"  
PROP. HMA BINDER COURSE, IL-9.5, N70, 2"  
PROP. POLY. HMA SURFACE COURSE, MIX "E" IL-9.5, N70, 1 3/4"

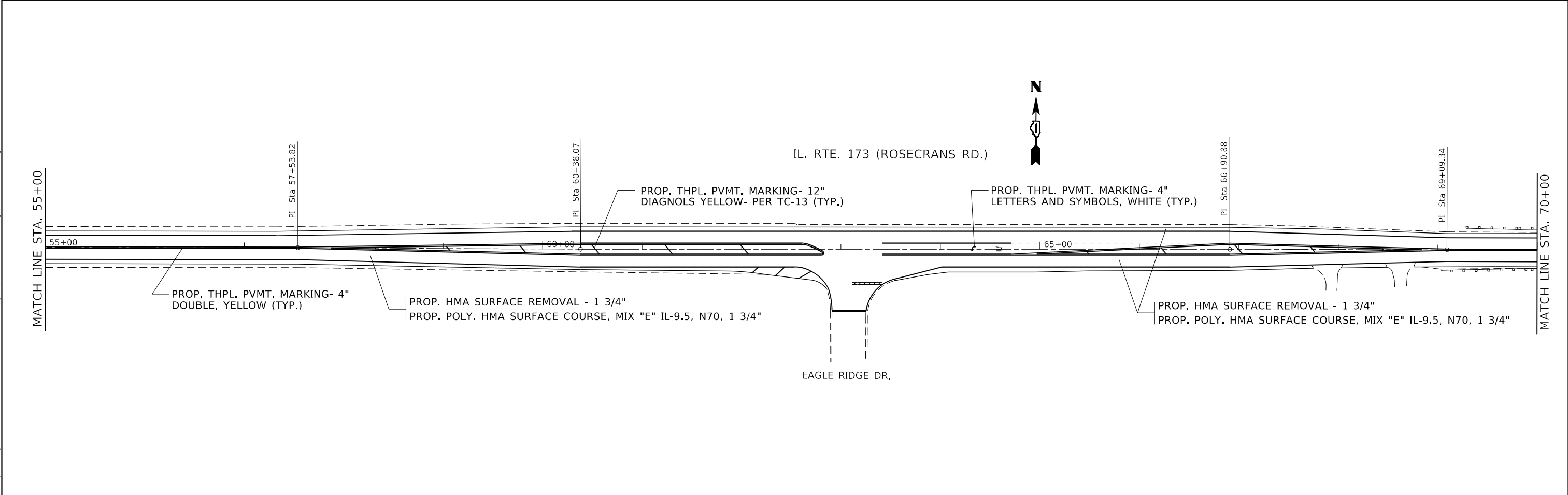
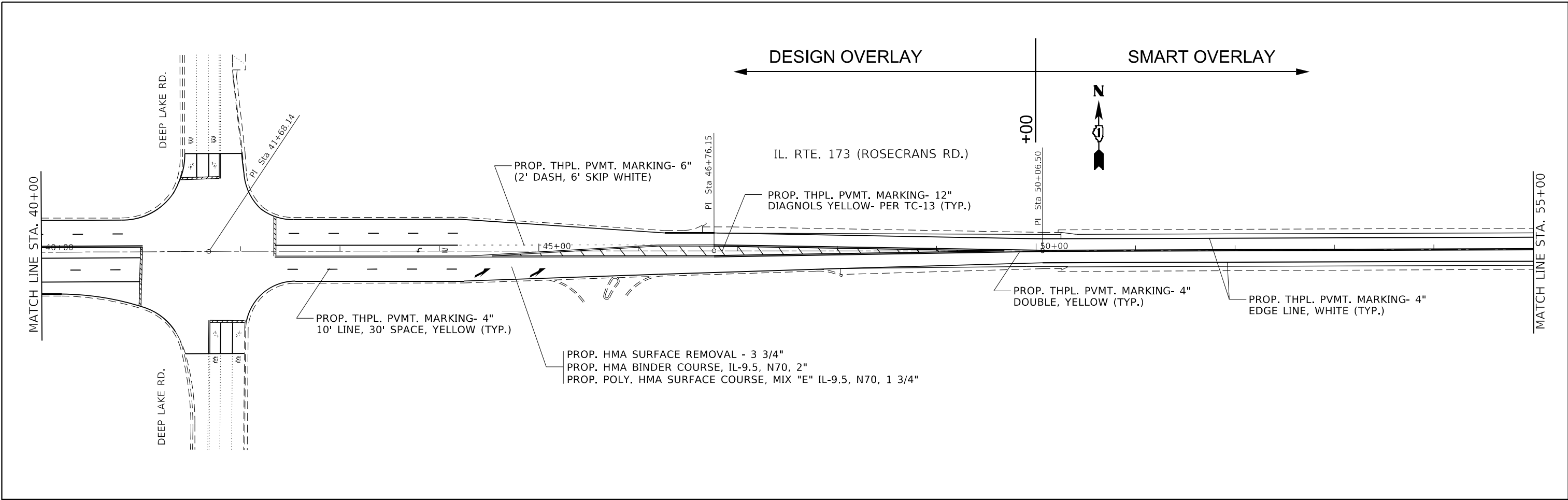
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PLOT DATE = 11/23/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN</b>	
<b>IL. RTE. 173 (ROSECRANS RD.) (BROWN AVE. - HUNT CLUB RD.)</b>	
SCALE: 1" = 50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135RS&SW	LAKE	42	9
CONTRACT NO. 62G26				
ILLINOIS FED. AID PROJECT				



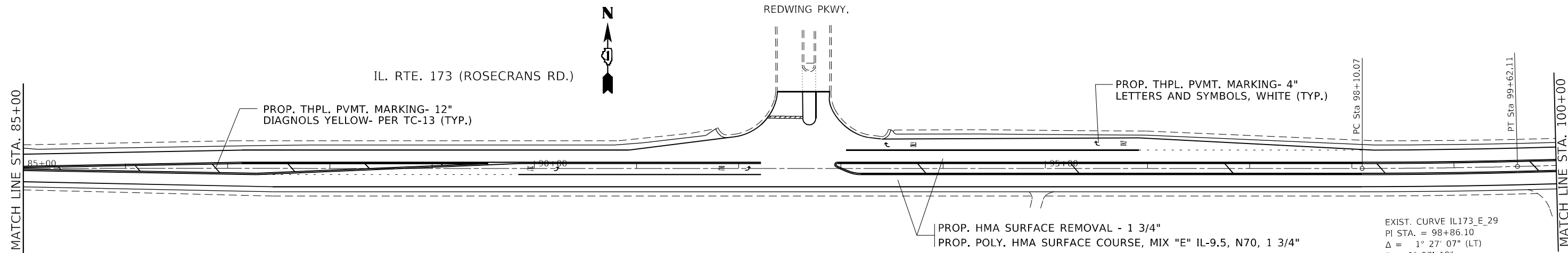
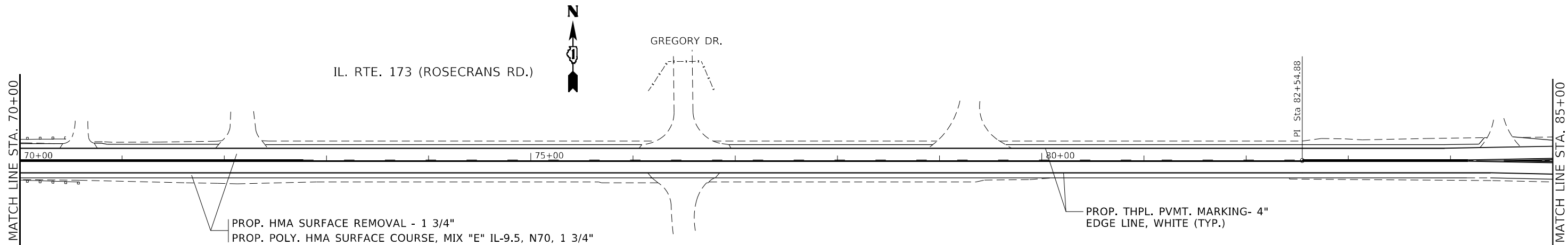
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN**  
**IL. RTE. 173 (ROSECRANS RD.) (BROWN AVE. - HUNT CLUB RD.)**  
 SCALE: 1" = 50'    SHEET    OF    SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135RS&SW	LAKE	42	10
CONTRACT NO. 62G26				
ILLINOIS FED. AID PROJECT				



EXIST. CURVE IL173\_E\_29  
 PI STA. = 98+86.10  
 $\Delta$  = 1° 27' 07" (LT)  
 D = 0° 57' 18"  
 R = 6,000.00'  
 T = 76.02'  
 L = 152.04'  
 E = 0.48'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 98+10.07  
 P.T. STA. = 99+62.11

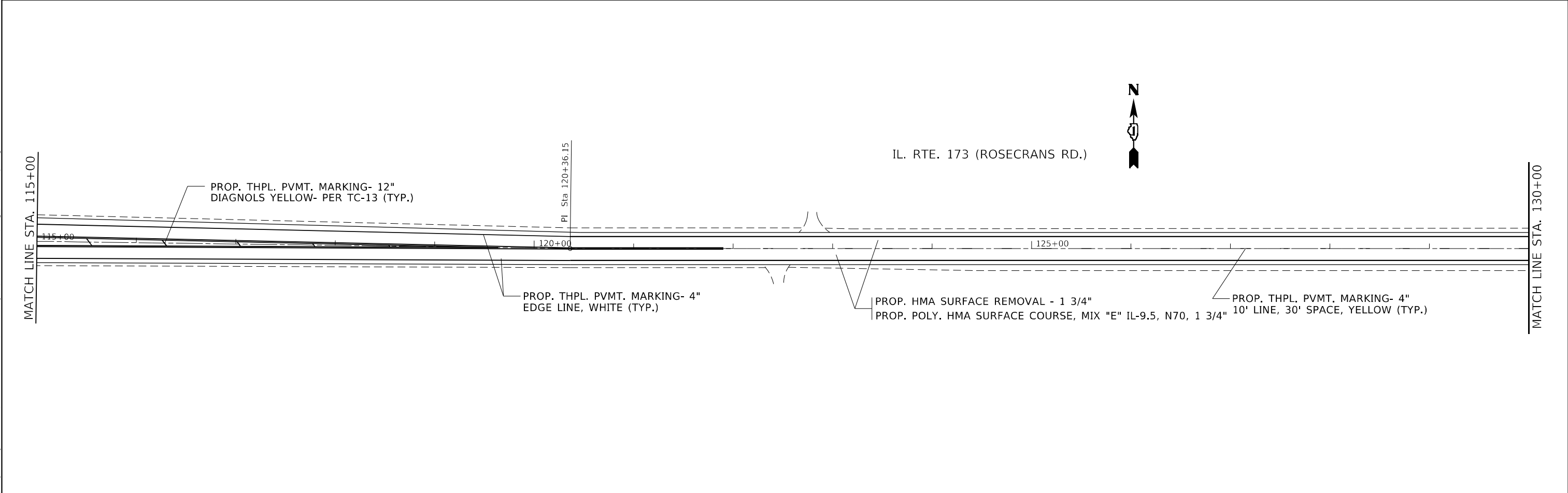
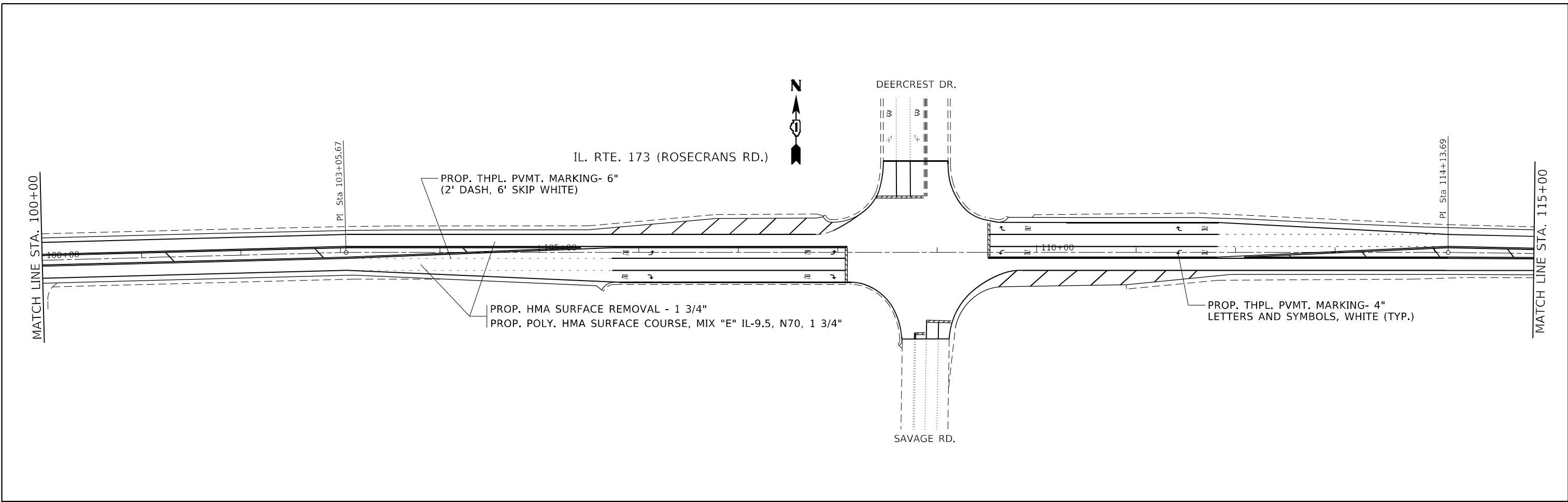
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
IL RTE. 173 (ROSECRANS RD.) (BROWN AVE. - HUNT CLUB RD.)			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135RS&SW	LAKE	42	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G26	



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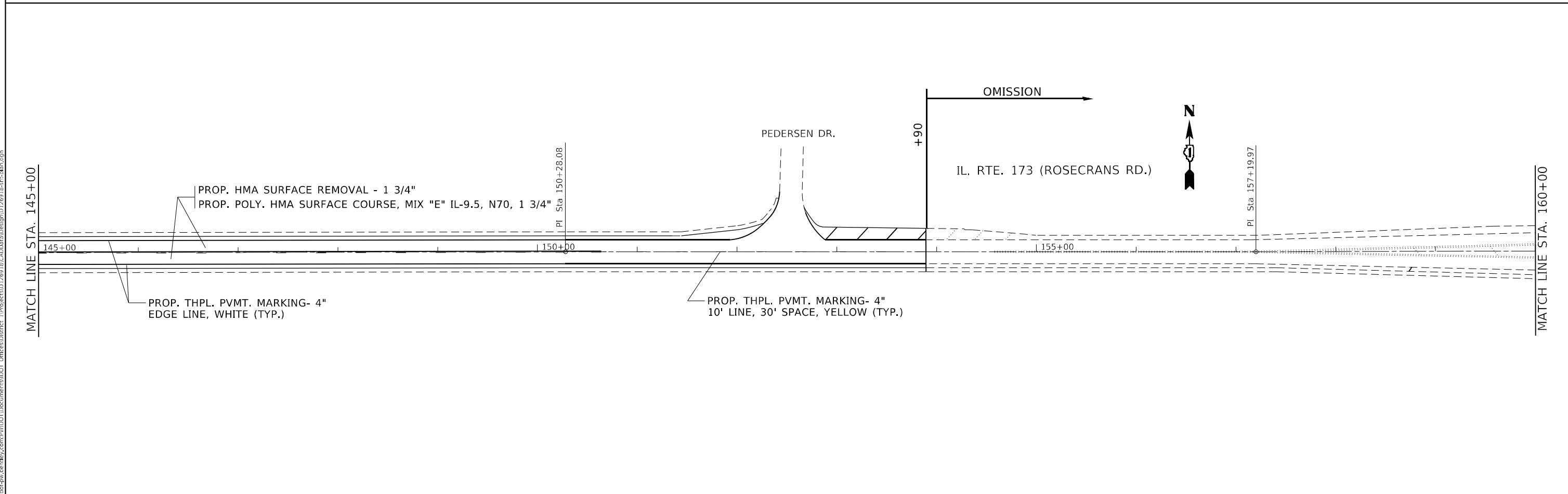
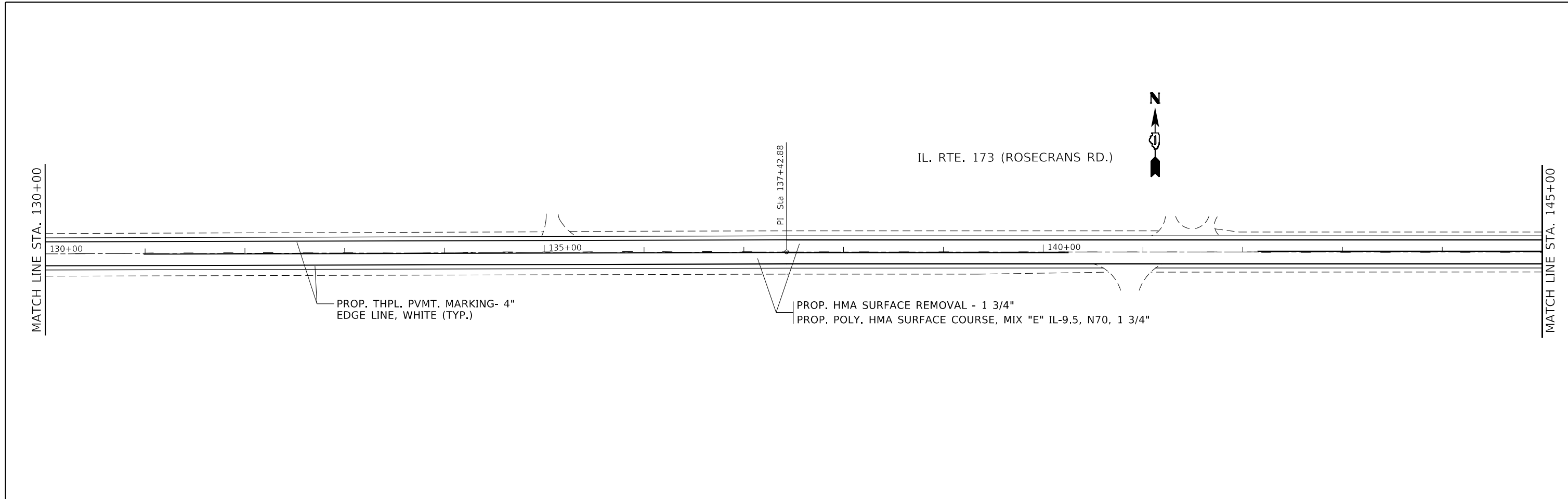
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
IL. RTE. 173 (ROSECRANS RD.) (BROWN AVE. - HUNT CLUB RD.)			
SCALE: 1" = 50'	SHEET	OF	SHEETS
STA.	TO	STA.	TO

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135RS&SW	LAKE	42	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G26	

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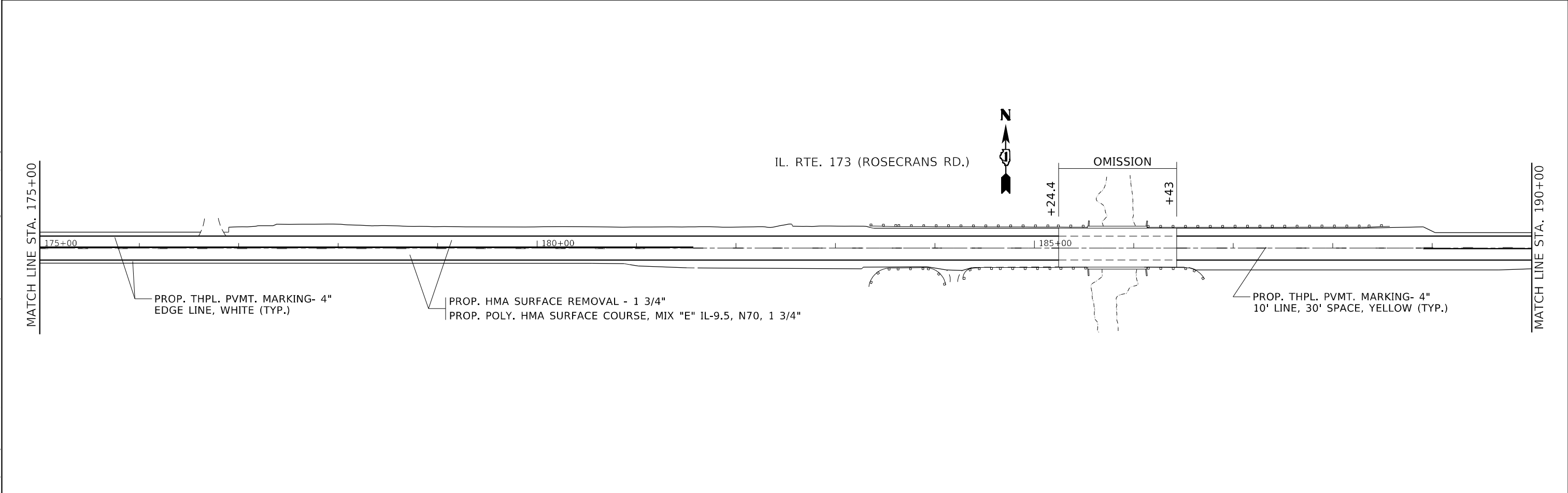
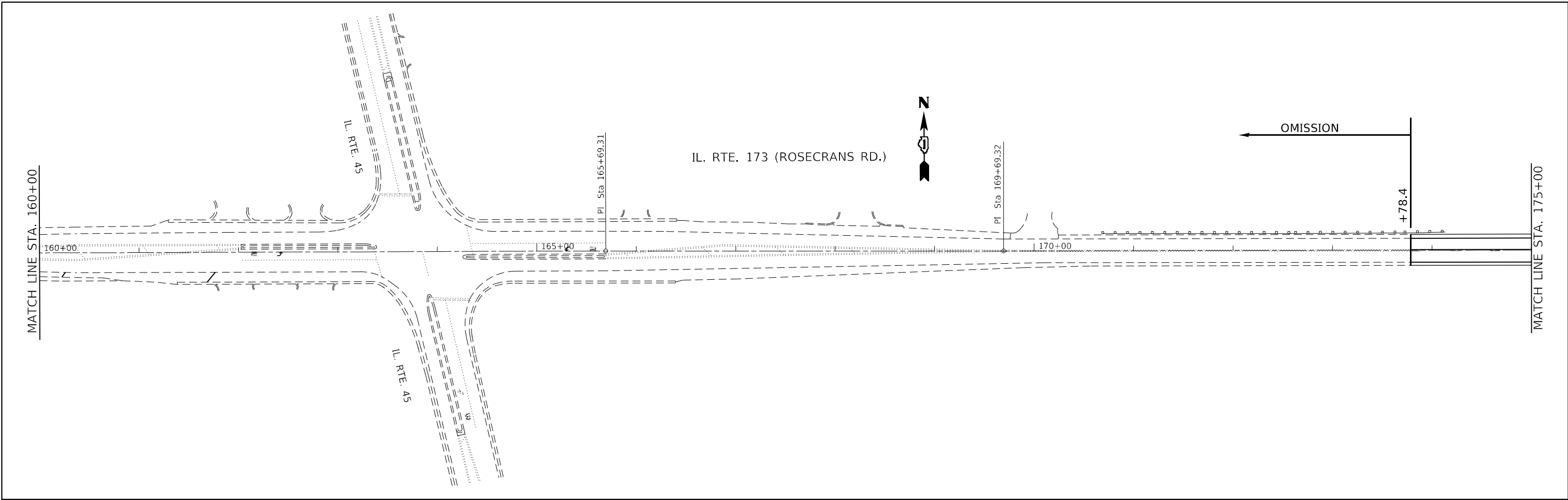
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN**  
**IL. RTE. 173 (ROSECRANS RD.) (BROWN AVE. - HUNT CLUB RD.)**

SCALE: 1" = 50'    SHEET    OF    SHEETS    STA.    TO    STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 62G26
ILLINOIS FED. AID PROJECT				



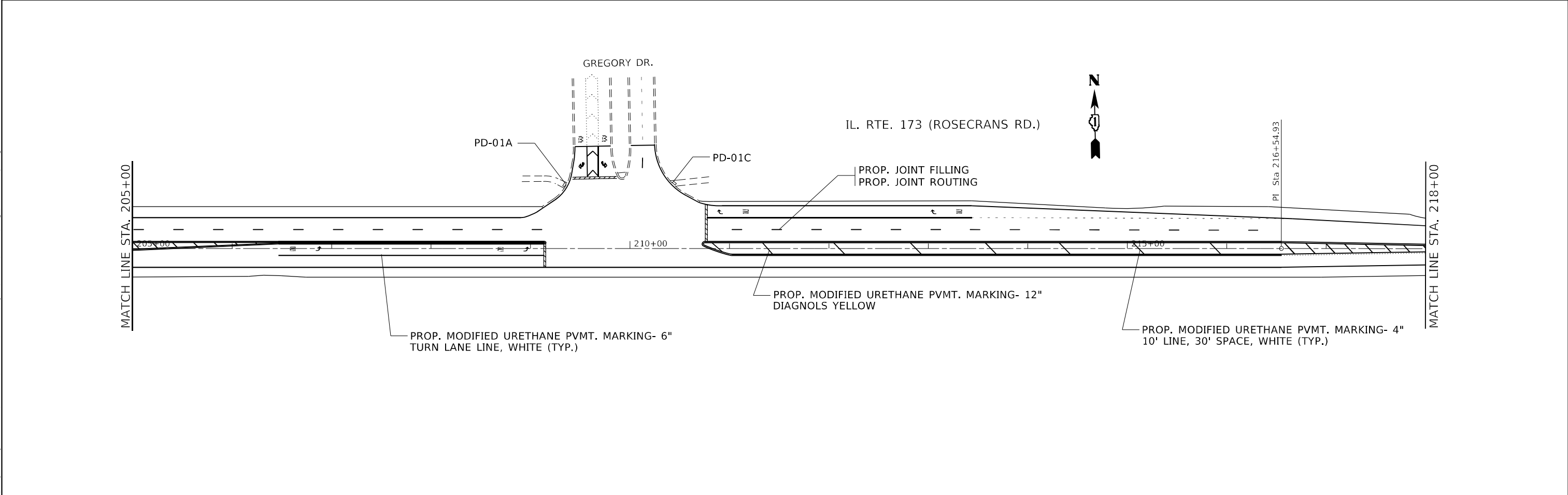
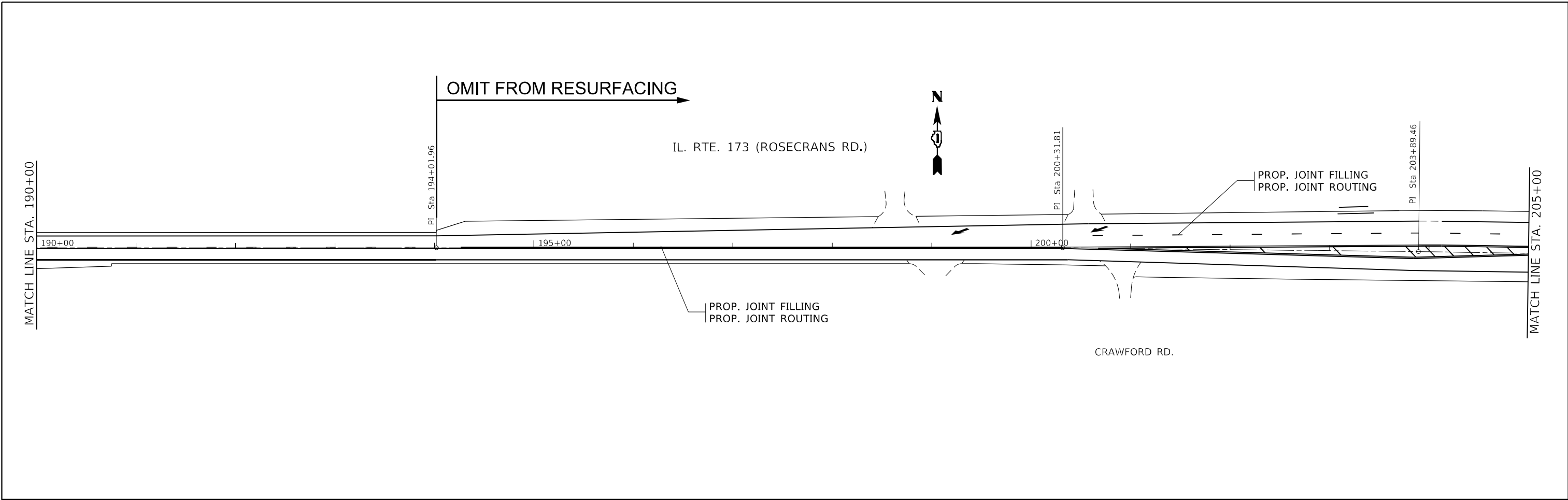
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
IL. RTE. 173 (ROSECRANS RD.) (BROWN AVE. - HUNT CLUB RD.)			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135RS&SW	LAKE	42	14
CONTRACT NO. 62G26				
ILLINOIS FED. AID PROJECT				



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

**ROADWAY PLAN**  
**IL. RTE. 173 (ROSECRANS RD.) (BROWN AVE. - HUNT CLUB RD.)**

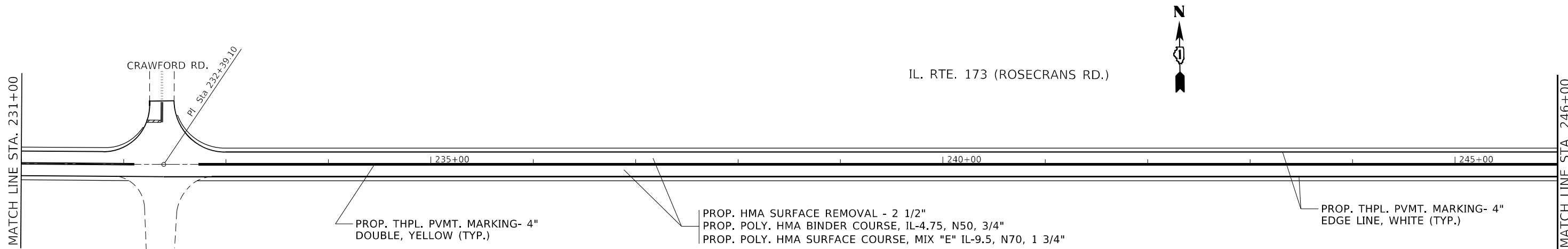
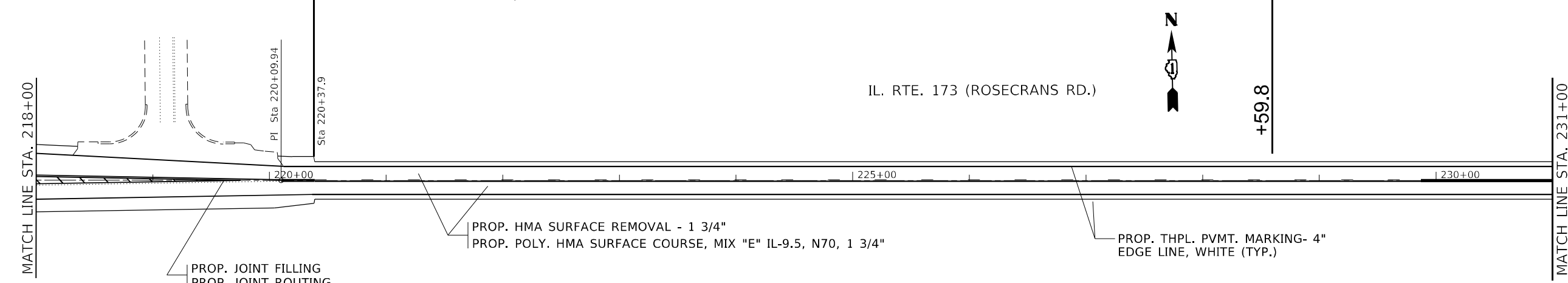
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135RS&SW	LAKE	42	15
CONTRACT NO. 62G26				
ILLINOIS FED. AID PROJECT				



← OMIT FROM RESURFACING | SMART OVERLAY →

← SMART OVERLAY | STANDARD OVERLAY →



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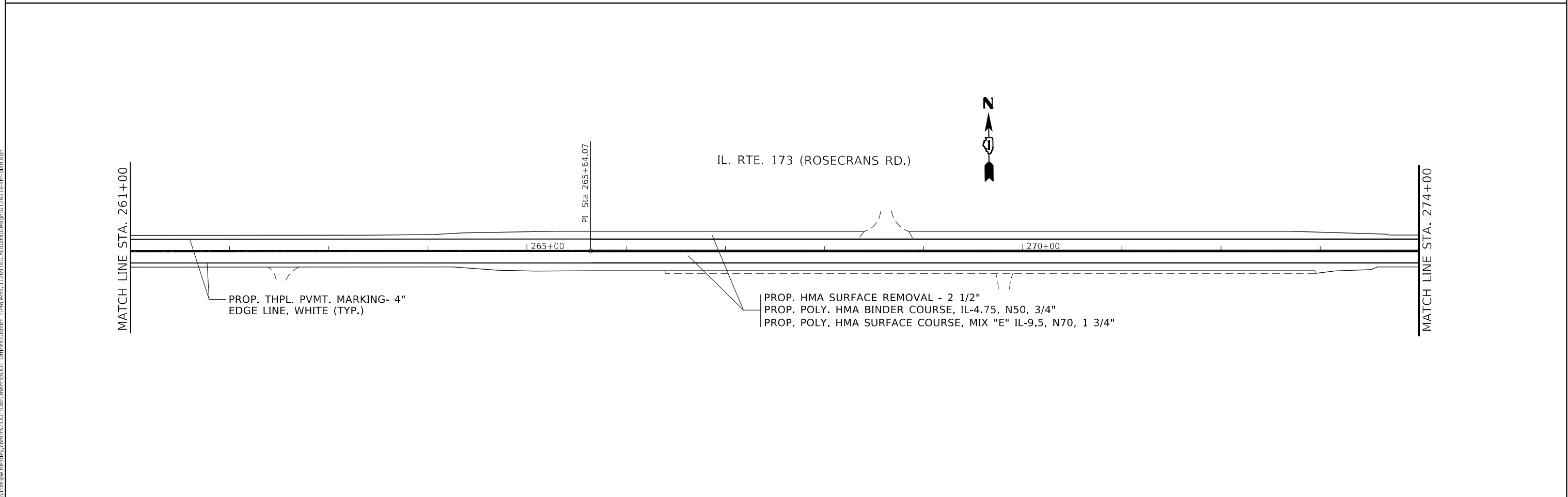
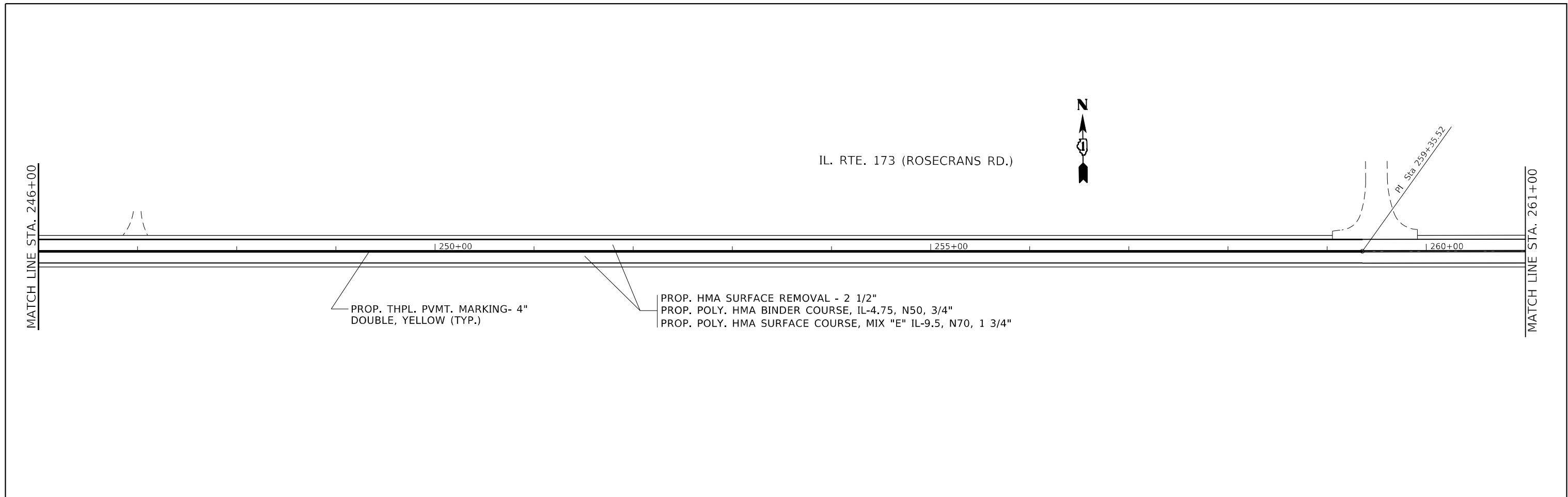
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN	
IL. RTE. 173 (ROSECRANS RD.) (BROWN AVE. - HUNT CLUB RD.)	
SCALE: 1" = 50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135RS&SW	LAKE	42	16
CONTRACT NO. 62G26				
ILLINOIS FED. AID PROJECT				

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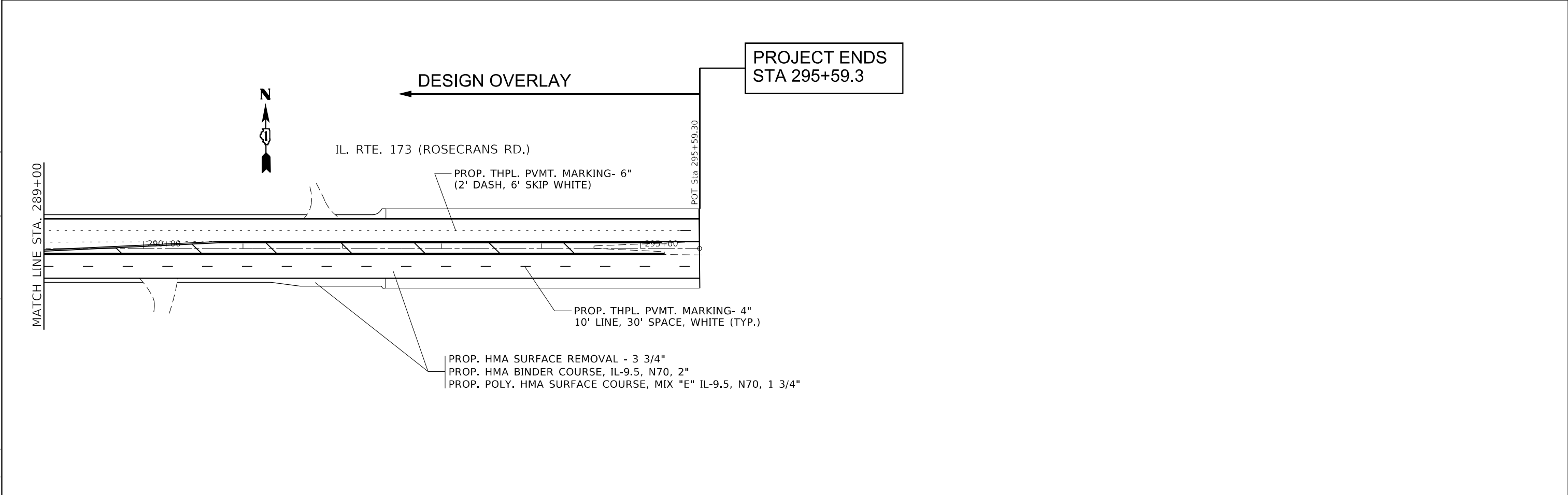
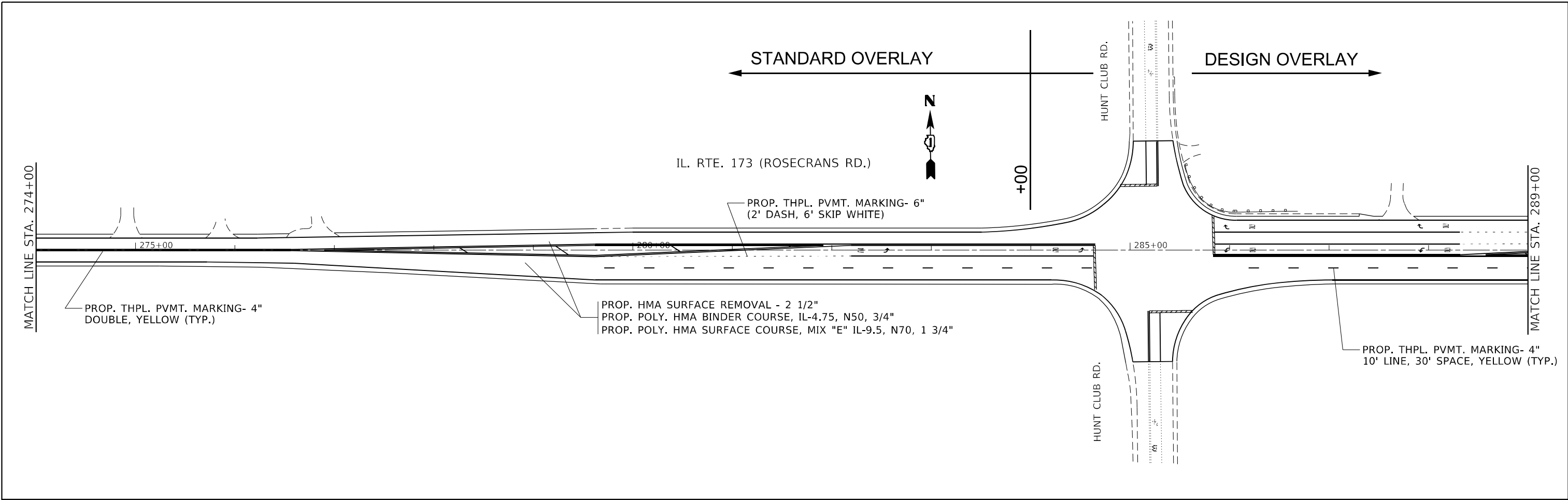
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PLOT DATE = 11/23/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
IL. RTE. 173 (ROSECRANS RD.) (BROWN AVE. - HUNT CLUB RD.)**

SCALE: 1" = 50'    SHEET    OF    SHEETS    STA.    TO STA.

F.A.P. RTE. 303	SECTION 135RS&SW	COUNTY LAKE	TOTAL SHEETS 42	SHEET NO. 17
CONTRACT NO. 62G26				ILLINOIS FED. AID PROJECT



MODEL: Default  
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PLOT DATE = 11/23/2022	CHECKED -	REVISED -
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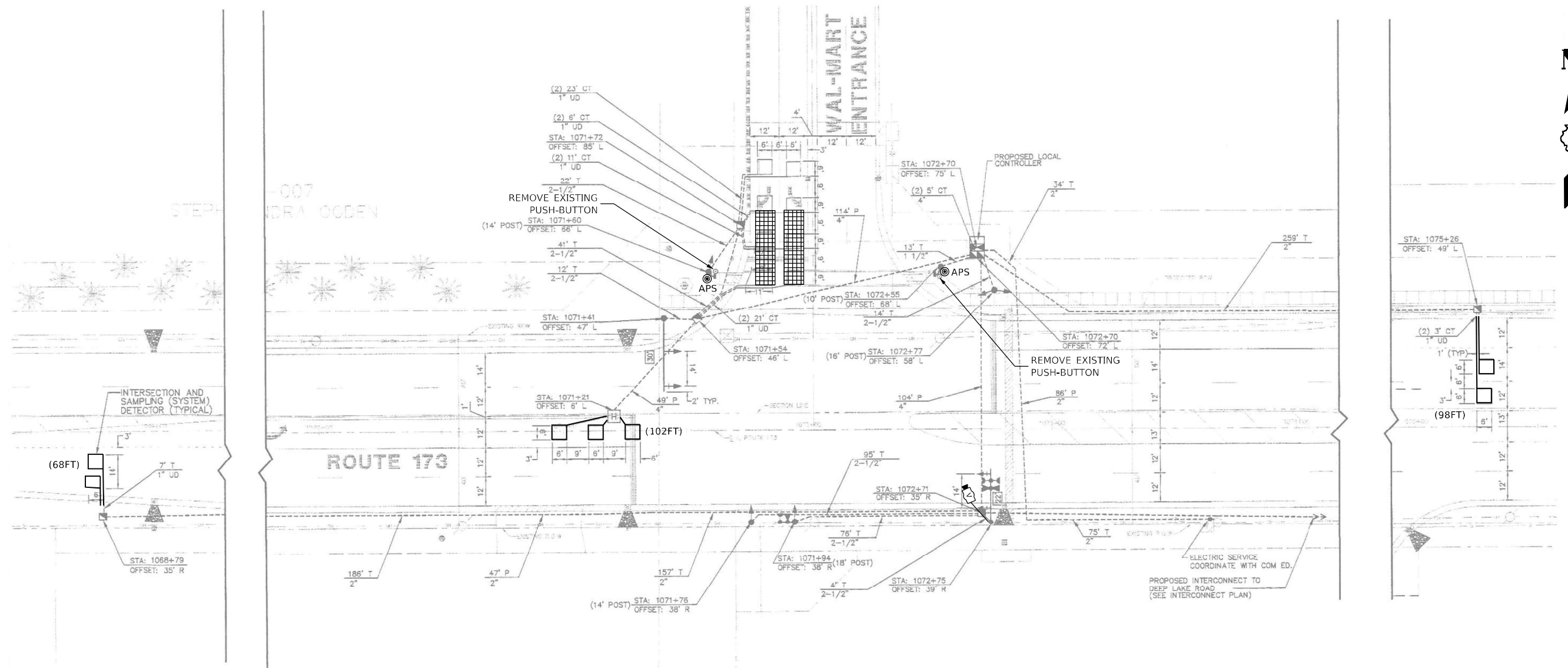
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN**  
**IL. RTE. 173 (ROSECRANS RD.) (BROWN AVE. - HUNT CLUB RD.)**

SCALE: 1" = 50'    SHEET    OF    SHEETS    STA.    TO    STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135RS&SW	LAKE	42	18
CONTRACT NO. 62G26				
ILLINOIS FED. AID PROJECT				

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**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.

- 2 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPEMENT IS IN OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER.

APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONINGS SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT

USER NAME = ChoiEE	DESIGNED - EEC	REVISED -
	DRAWN - EEC	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - KK	REVISED -
PLOT DATE = 7/27/2022	DATE - 08/02/2022	REVISED -

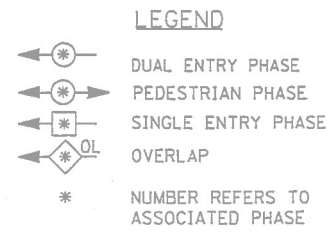
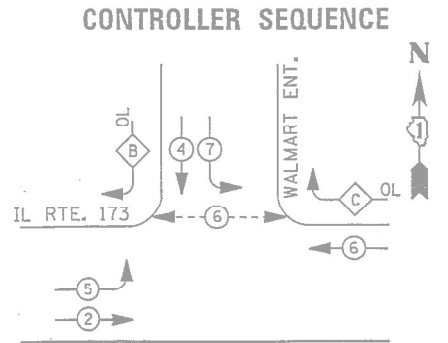
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOPS INSTALLATION PLAN  
 IL RTE 173 AT WALMART ENTRANCE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	19
CONTRACT NO. 62G26				
ILLINOIS FED. AID PROJECT				

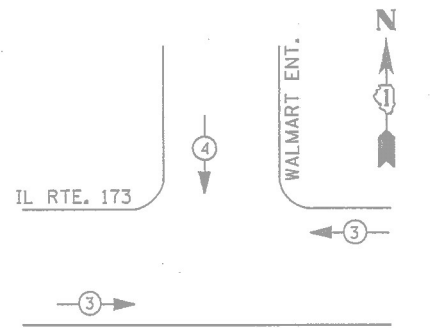
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**PHASE DESIGNATION DIAGRAM**

RIGHT TURN OVERLAP PHASE DESIGNATION

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



**EMERGENCY VEHICLE PREEMPTION SEQUENCE**

EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓

I. D. O. T.  
TRAFFIC SIGNAL INSTALLATION  
ELECTRICAL SERVICE REQUIREMENTS

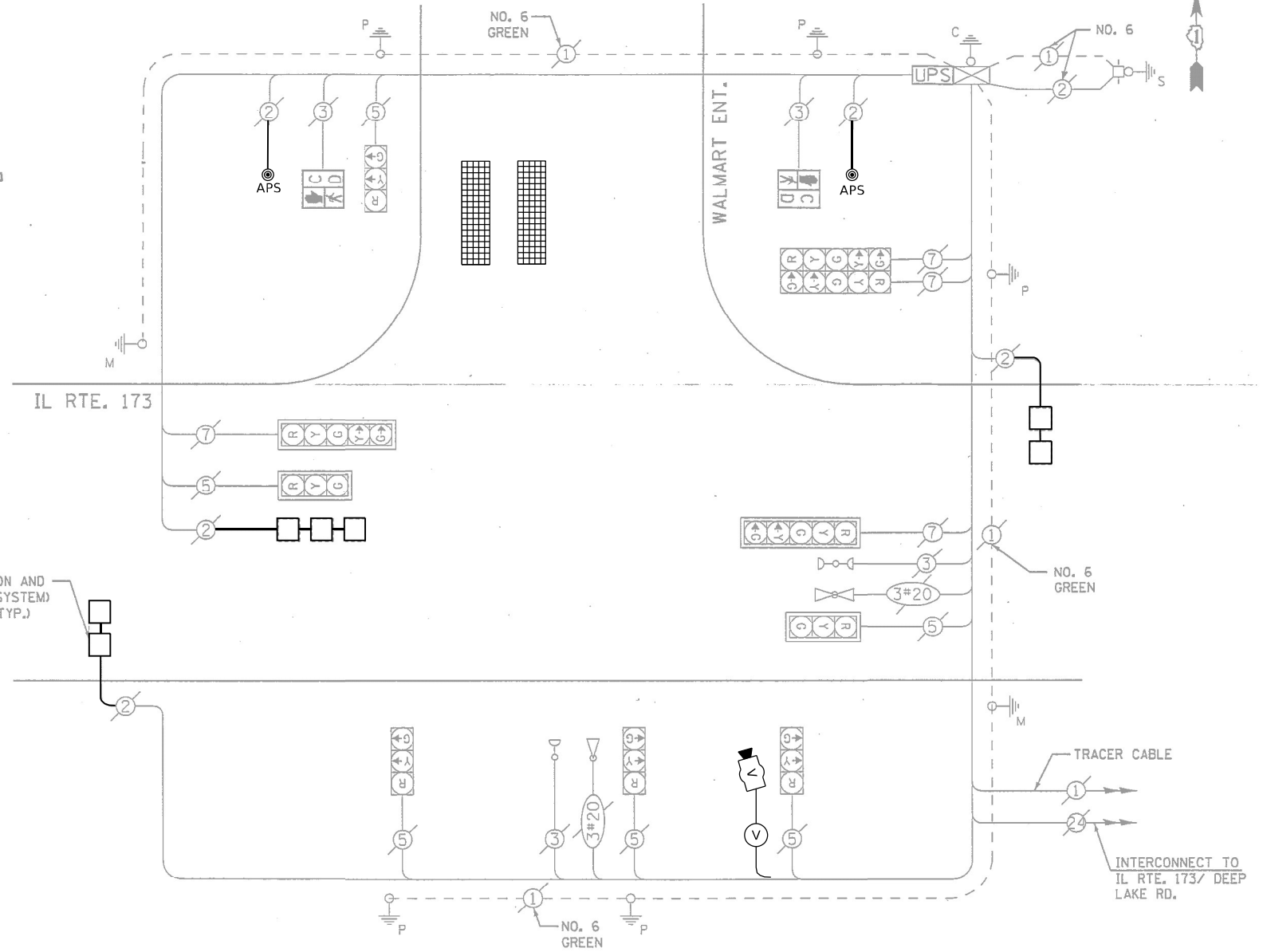
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	10	135	17	0.50	85
(YELLOW)	10	135	25	0.25	63
(GREEN)	10	135	15	0.25	38
ARROW	8	135	12	0.10	10
PED. SIGNAL	2	90	25	1.00	50
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	--
VIDEO SYSTEM		150	-	1.00	--
FLASHER LED					
TOTAL =					346

ENERGY COSTS- BILLED TO: VILLAGE OF ANTIOCH  
 874 MAIN STREET  
 ANTIOCH, IL 60002

ENERGY SUPPLY - CONTACT TERRI BLECK  
 PHONE 847-816-5239  
COMMONWEALTH EDISON

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE 1	FOOT	350
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2



**CABLE PLAN**

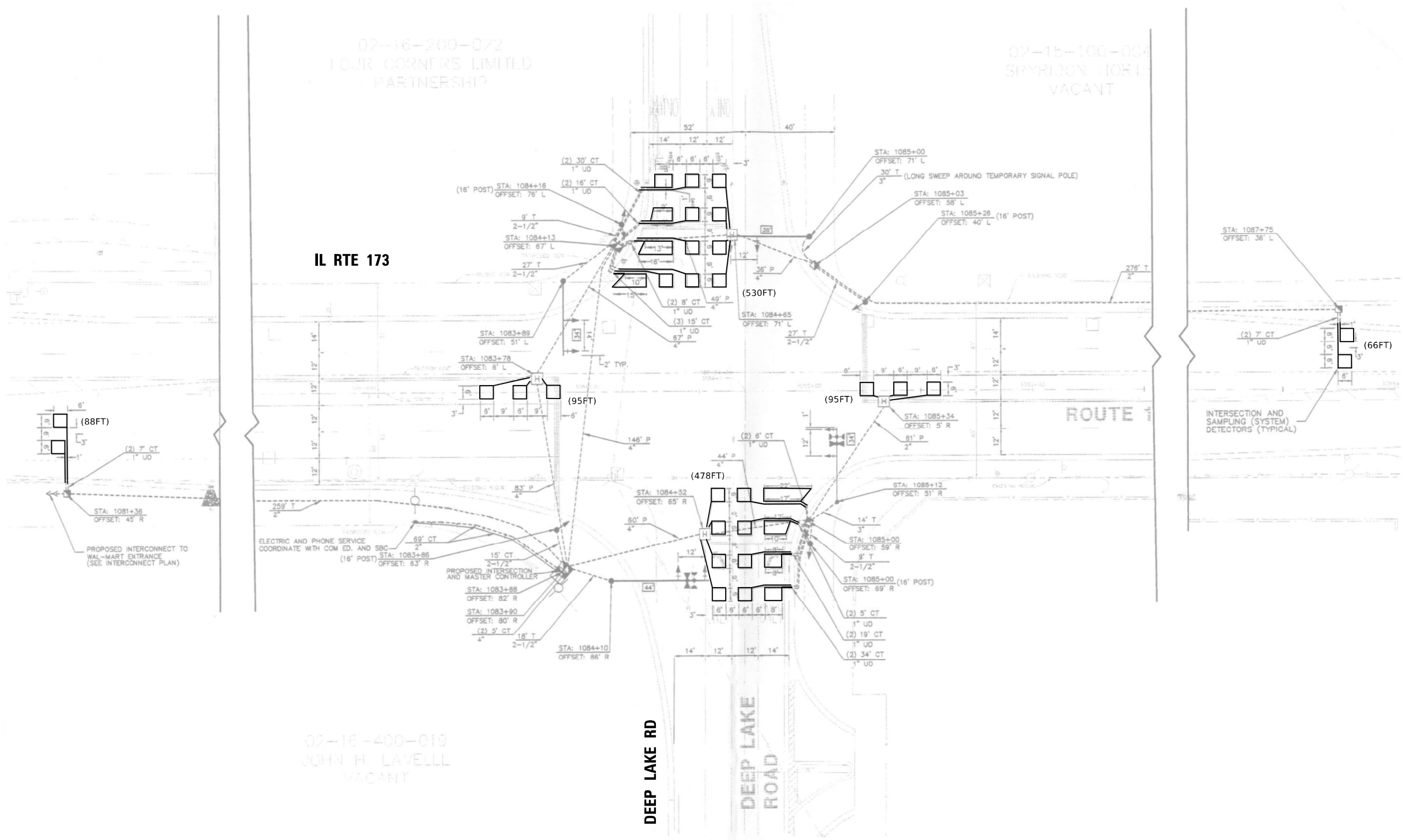
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOPS INSTALLATION CABLE PLAN  
IL RTE 173 AT WALMART ENTRANCE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	20

CONTRACT NO. 62G26  
ILLINOIS FED. AID PROJECT

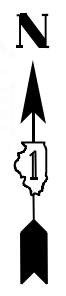
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ECON 207



02-16-200-072  
 FOUR CORNERS LIMITED  
 PARTNERSHIP

02-15-100-004  
 SIMPSON MOBILITY  
 VACANT

02-16-400-019  
 JOHN H. LAVELL  
 VACANT



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DETECTOR LOOPS INSTALLATION PLAN  
 IL RTE 173 AT DEEP LAKE RD

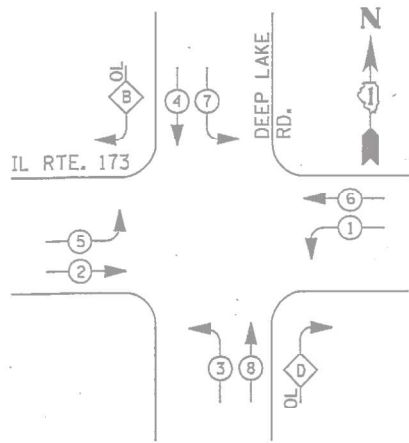
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 ECON 207

USER NAME = ChoiEE	DESIGNED - EEC	REVISED -
	DRAWN - EEC	REVISED -
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PLOT DATE = 7/27/2022	DATE - 08/02/2022	REVISED -

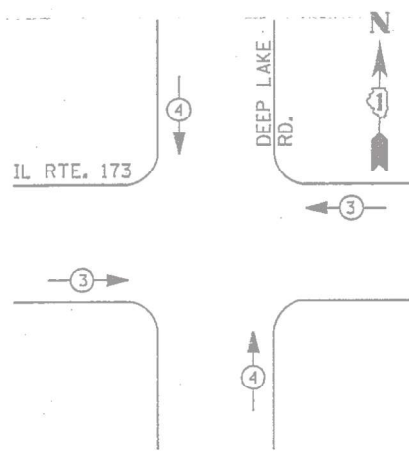
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	21
CONTRACT NO. 62G26				
ILLINOIS FED. AID PROJECT				

**CONTROLLER SEQUENCE**



**PHASE DESIGNATION DIAGRAM**



**EMERGENCY VEHICLE PREEMPTION SEQUENCE**

EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

**I. D. O. T.  
TRAFFIC SIGNAL INSTALLATION  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	14	135	17	0.50	119
(YELLOW)	14	135	25	0.25	88
(GREEN)	14	135	15	0.25	53
ARROW	24	135	12	0.10	29
PED. SIGNAL	--	90	25	1.00	--
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	--	252	25	0.05	--
VIDEO SYSTEM	--	150	--	1.00	--
FLASHER LED					
TOTAL =					389

ENERGY COSTS-  
BILLED TO: IDOT DISTRICT 1  
201 WEST CENTER COURT  
SCHAUMBURG, IL 60196-1096

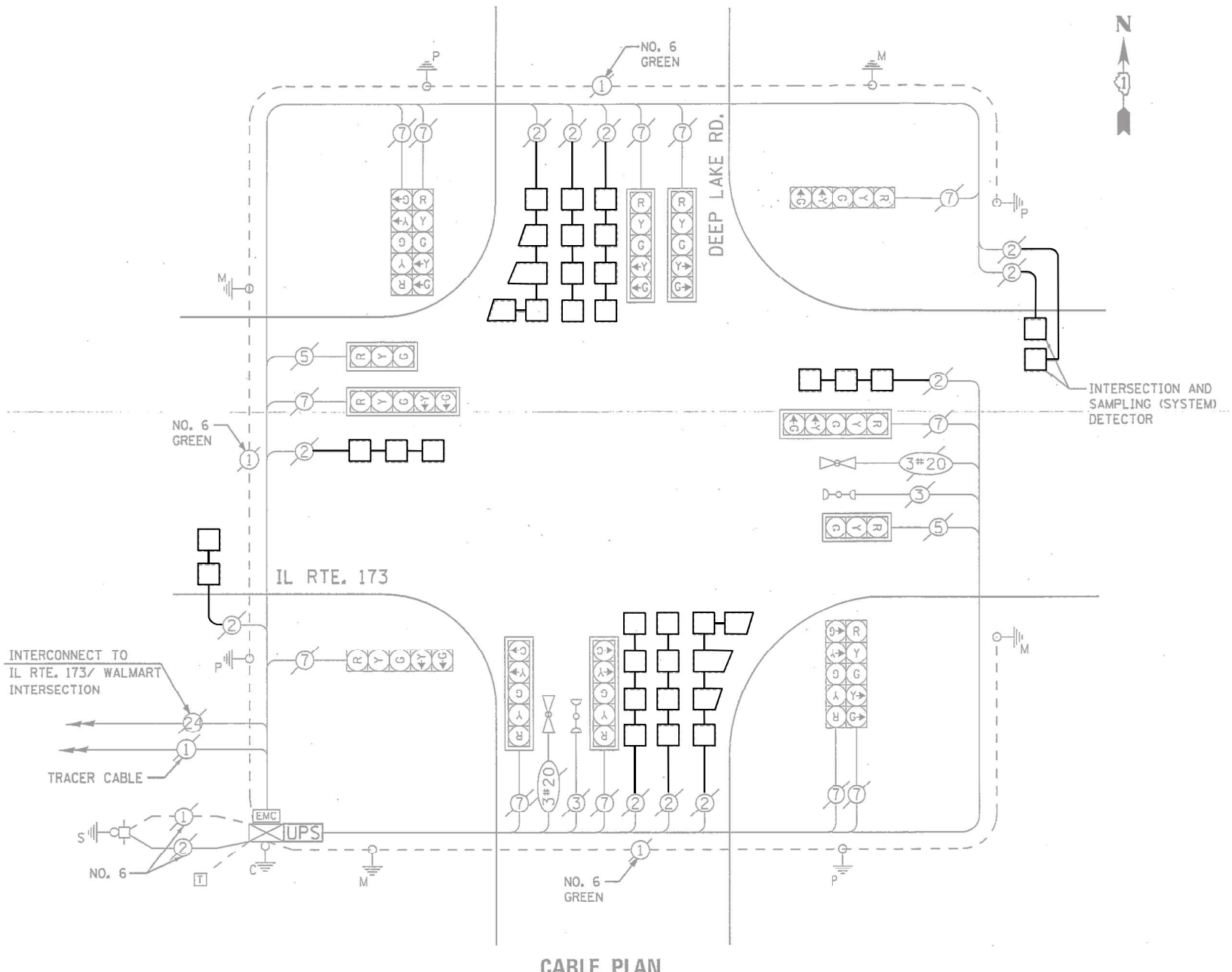
ENERGY SUPPLY - CONTACT TERRI BLECK  
PHONE 847-816-5239  
COMMONWEALTH EDISON

**LEGEND**

- ◉ DUAL ENTRY PHASE
- ◉ PEDESTRIAN PHASE
- ◉ SINGLE ENTRY PHASE
- ◉ OVERLAP
- \* NUMBER REFERS TO ASSOCIATED PHASE

**RIGHT TURN OVERLAP PHASE DESIGNATION**

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



**CABLE PLAN**

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	1352

TS SHT NO. 12

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PLOT DATE = 7/27/2022	CHECKED - KK	REVISED -
	DATE - 08/02/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOPS INSTALLATION CABLE PLAN  
IL RTE 173 AT DEEP LAKE RD**

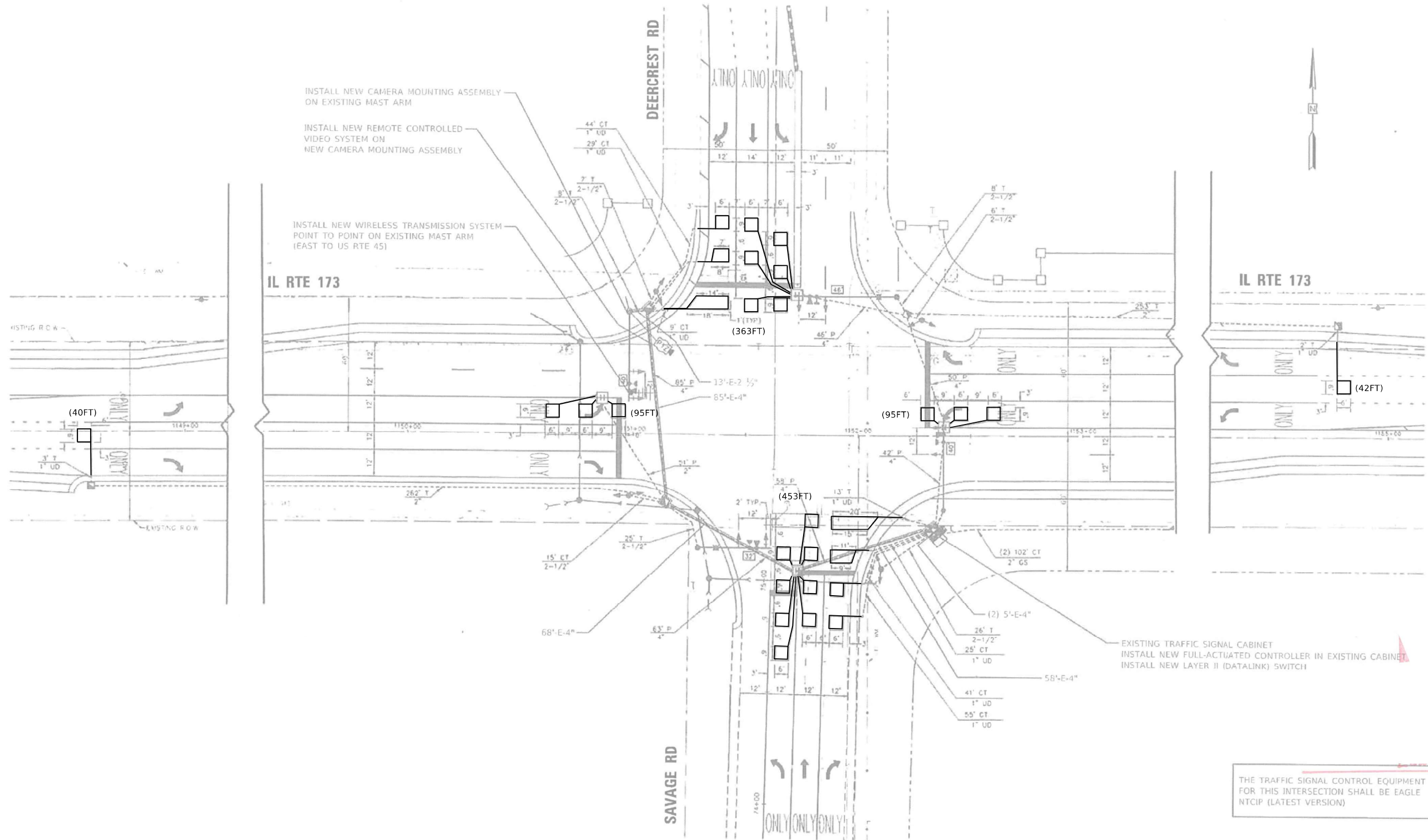
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 R5 & SW	LAKE	42	22

CONTRACT NO. 62G26  
ILLINOIS FED. AID PROJECT

**TS 7130  
ECON 207**

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USER NAME = ChoiEE	DESIGNED - EEC	REVISED -
	DRAWN - EEC	REVISED -
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PLOT DATE = 7/27/2022	DATE - 08/02/2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

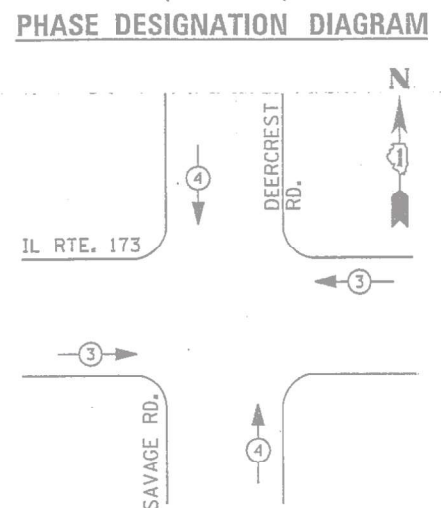
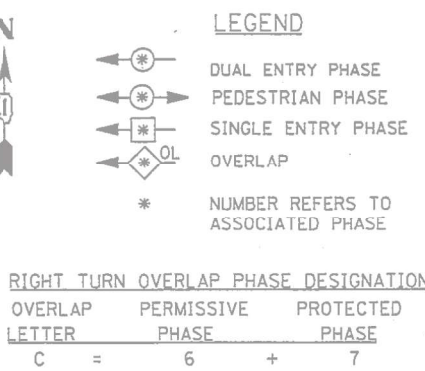
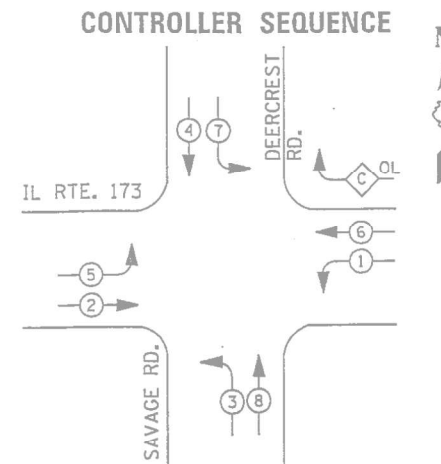
DETECTOR LOOPS INSTALLATION PLAN  
 IL RTE 173 AT DEERCREST DR

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	23
CONTRACT NO. 62G26				
ILLINOIS FED. AID PROJECT				



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EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↓	←

I. D. O. T.  
TRAFFIC SIGNAL INSTALLATION  
ELECTRICAL SERVICE REQUIREMENTS

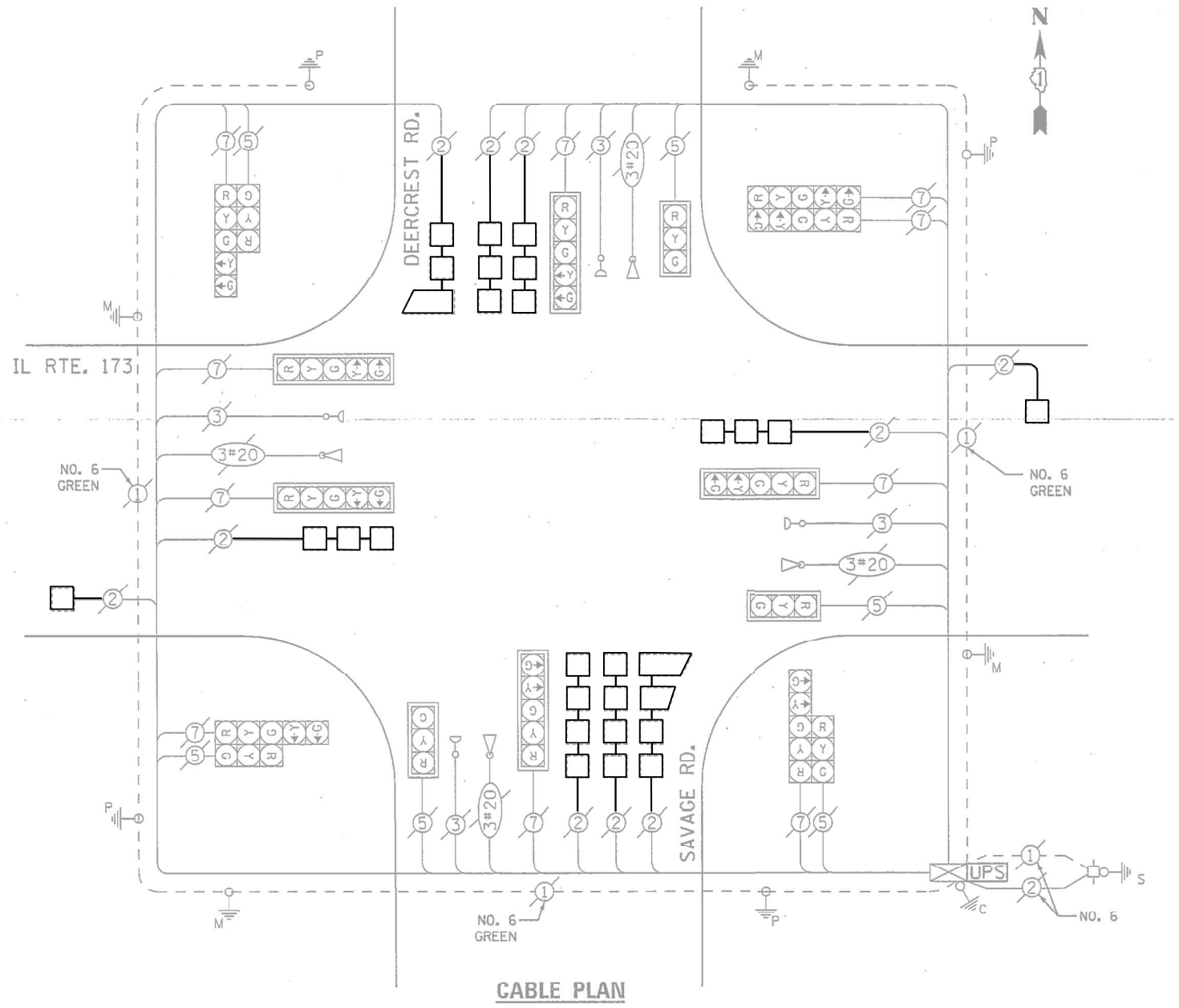
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16	135	17	0.50	136
(YELLOW)	16	135	25	0.25	100
(GREEN)	16	135	15	0.25	60
ARROW	20	135	12	0.10	24
PED. SIGNAL		90	25	1.00	--
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		252	25	0.05	--
VIDEO SYSTEM	--	150	-	1.00	--
TOTAL =					420

ENERGY COSTS- BILLED TO: VILLAGE OF ANTIOCH  
 874 MAIN STREET  
 ANTIOCH, IL 60002

ENERGY SUPPLY - CONTACT TERRI BLECK  
 PHONE 847-816-5239  
 COMMONWEALTH EDISON

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	1088



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOPS INSTALLATION CABLE PLAN  
IL RTE 173 AT DEERCREST DR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	24

CONTRACT NO. 62G26

**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.

2 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

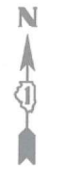
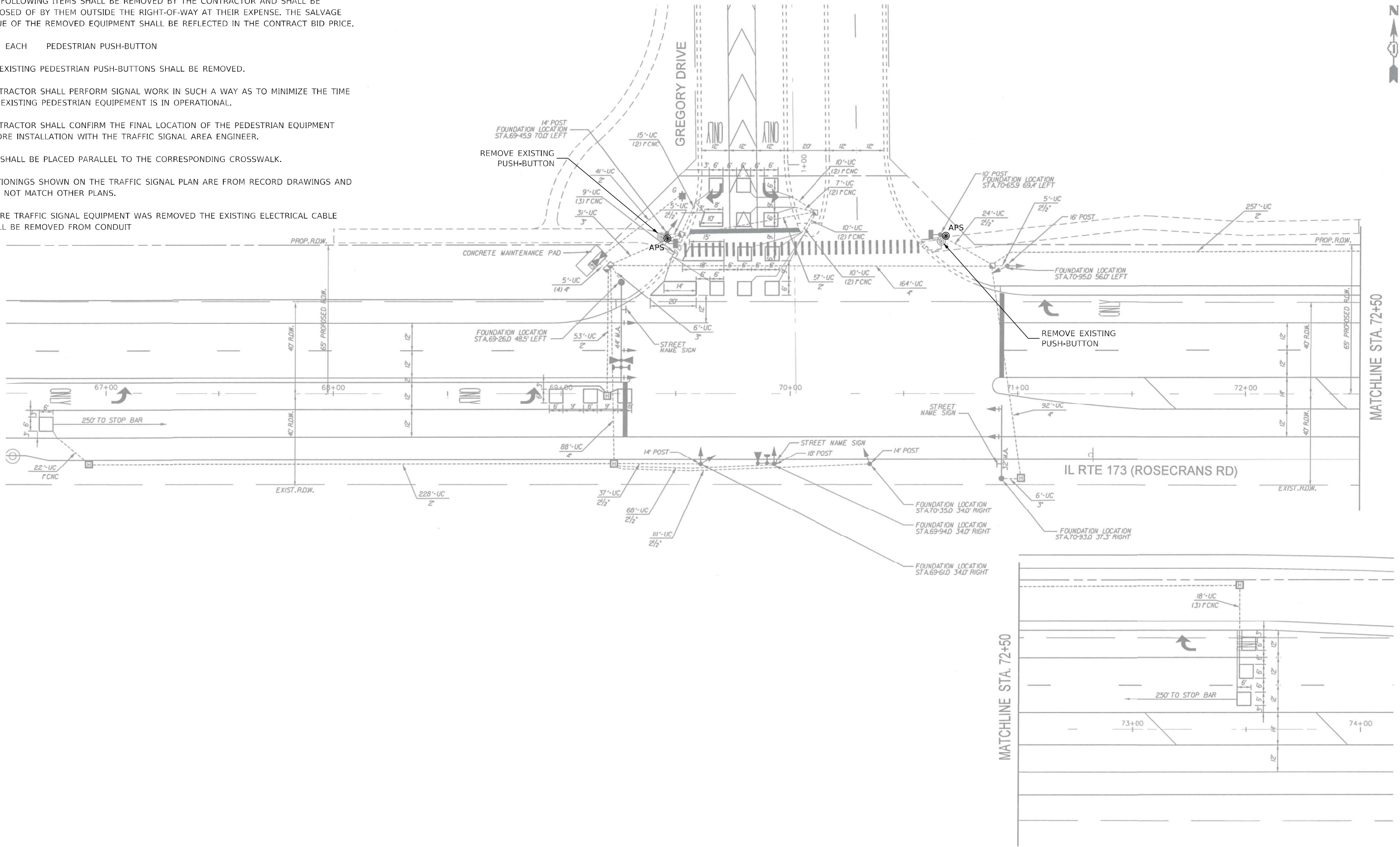
CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS IN OPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER.

APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

STATIONINGS SHOWN ON THE TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS.

WHERE TRAFFIC SIGNAL EQUIPMENT WAS REMOVED THE EXISTING ELECTRICAL CABLE SHALL BE REMOVED FROM CONDUIT



TS SHT NO. 15

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TS 6622

USER NAME = eddie.choi	DESIGNED - EEC	REVISED -
	DRAWN - EEC	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - KK	REVISED -
PLOT DATE = 11/21/2022	DATE - 08/02/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

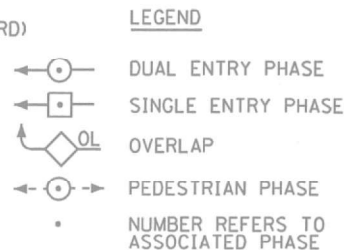
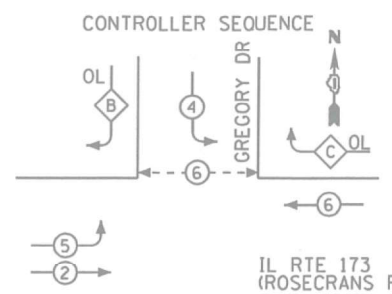
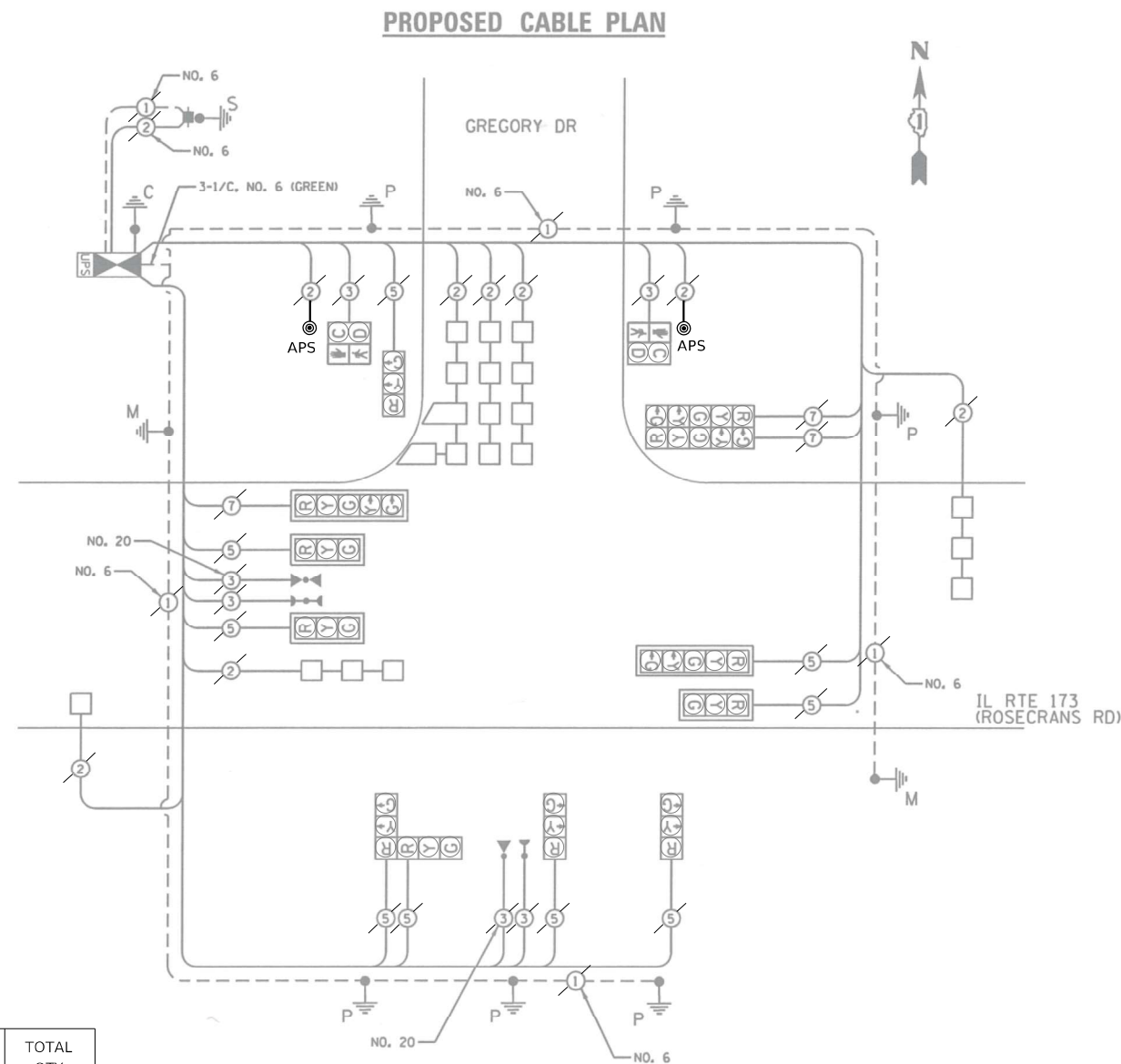
**APS INSTALLATION PLAN  
IL RTE 173 AT GREGORY DR**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 303	SECTION 135 RS & SW	COUNTY LAKE	TOTAL SHEETS 42	SHEET NO. 25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G26	

TS SHT NO. 16

PROPOSED CABLE PLAN



PHASE DESIGNATION DIAGRAM

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

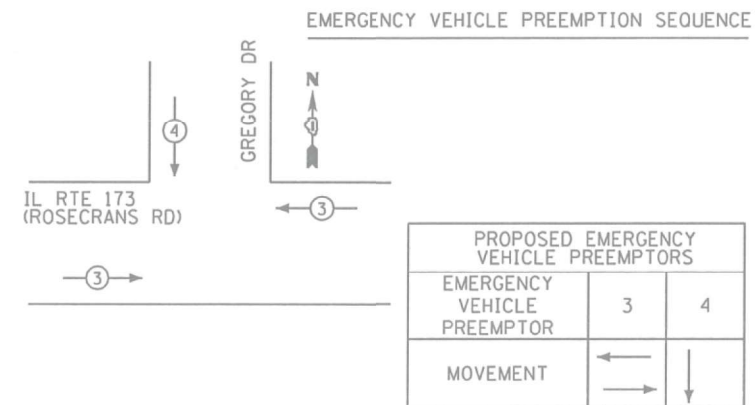
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12		17	0.50	102.0
(YELLOW)	8		25	0.25	50.0
(GREEN)	8		15	0.25	30.0
ARROW	16		12	0.10	19.2
PED. SIGNAL	2		25	1.00	50.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN				0.05	
VIDEO SYSTEM				1.00	
FLASHER				0.50	
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION, 201 WEST CENTER COURT, SCHAMBURG, ILLINOIS 60196-1096					TOTAL = 351.2

NOTE: THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "GTT OPTICOM" TO MEET LOCAL FIRE DEPARTMENT REQUIREMENTS.



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↓

TS 6622

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

APS INSTALLATION CABLE PLAN IL RTE 173 AT GREGORY DR

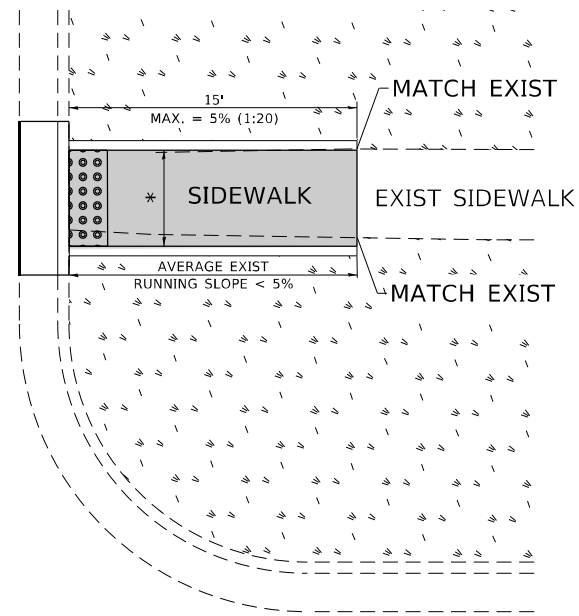
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PLOT DATE = 11/21/2022	CHECKED - KK	REVISED -
	DATE - 08/02/2022	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

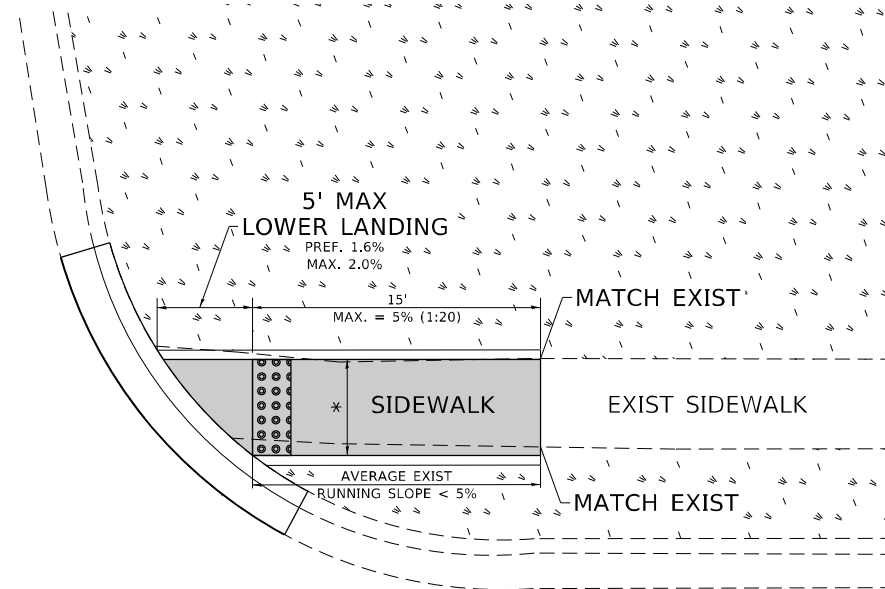
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	26
CONTRACT NO. 62G26				
ILLINOIS FED. AID PROJECT				

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

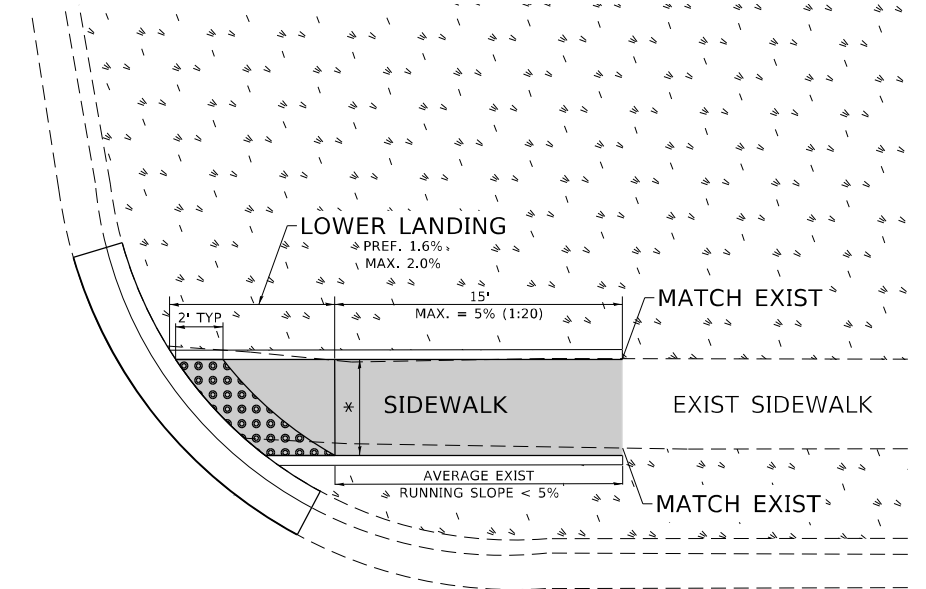
**PD-01A**



**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: Default  
FILE: \\bluestaw.bentley.com\FW\DOT\Documents\DOT Office\District 11\Project\1126918\CADD\data\Design\BRTStu.dgn

USER NAME = Addis.Abebay	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/23/2022	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

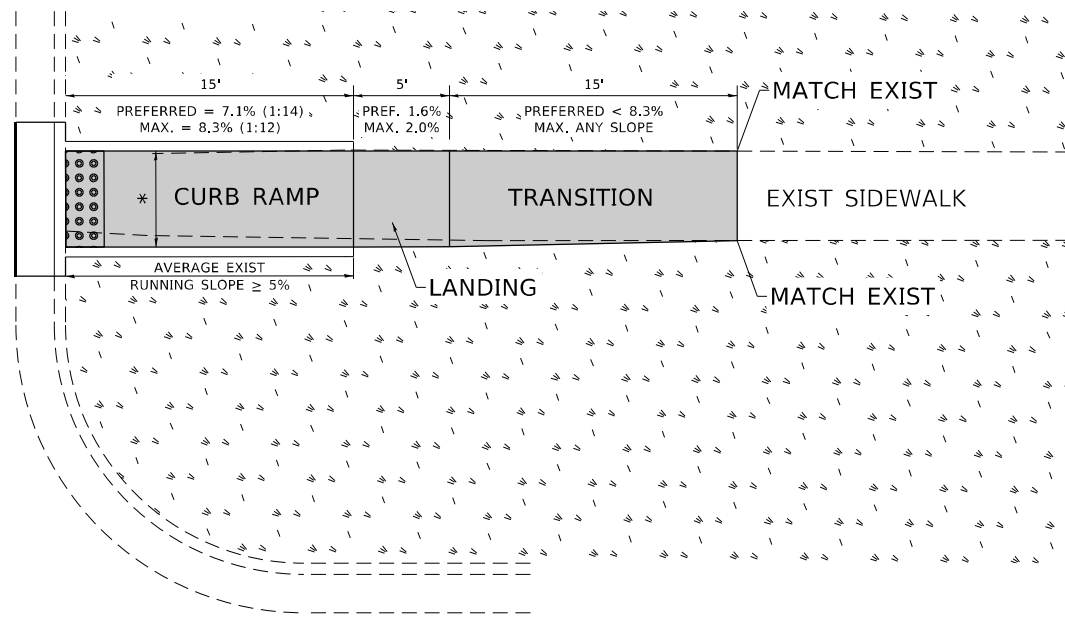
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS  
(PD-01)**

SCALE: NONE    SHEET    OF    SHEETS    STA.    TO STA.

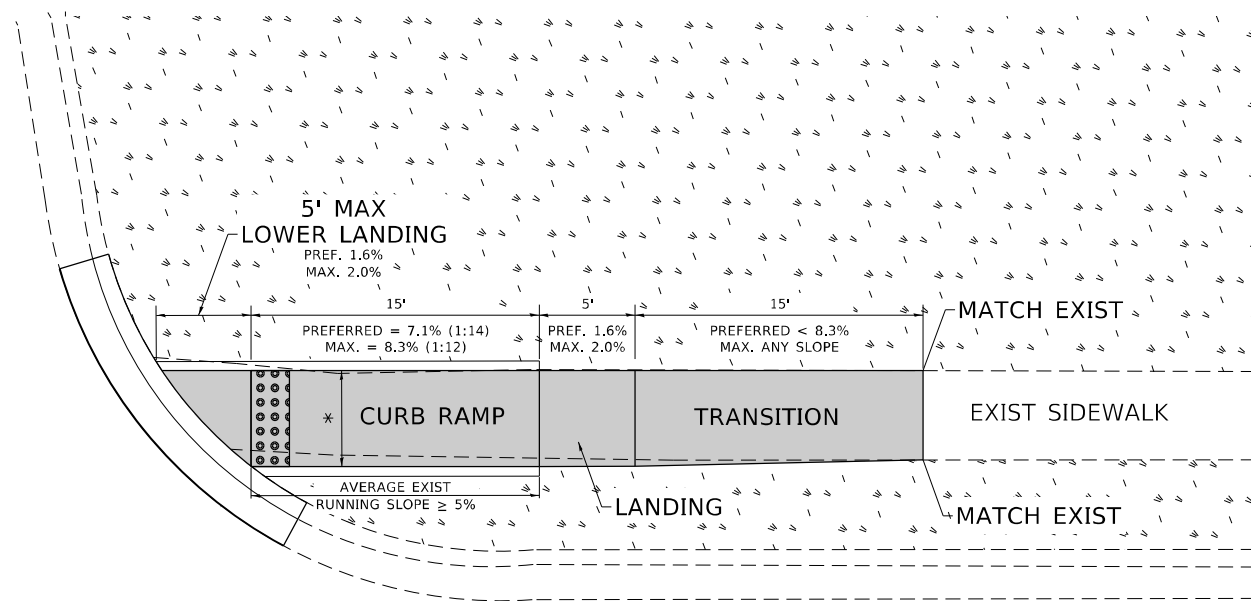
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	27
PD-01			CONTRACT NO. 62G26	
ILLINOIS FED. AID PROJECT				

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

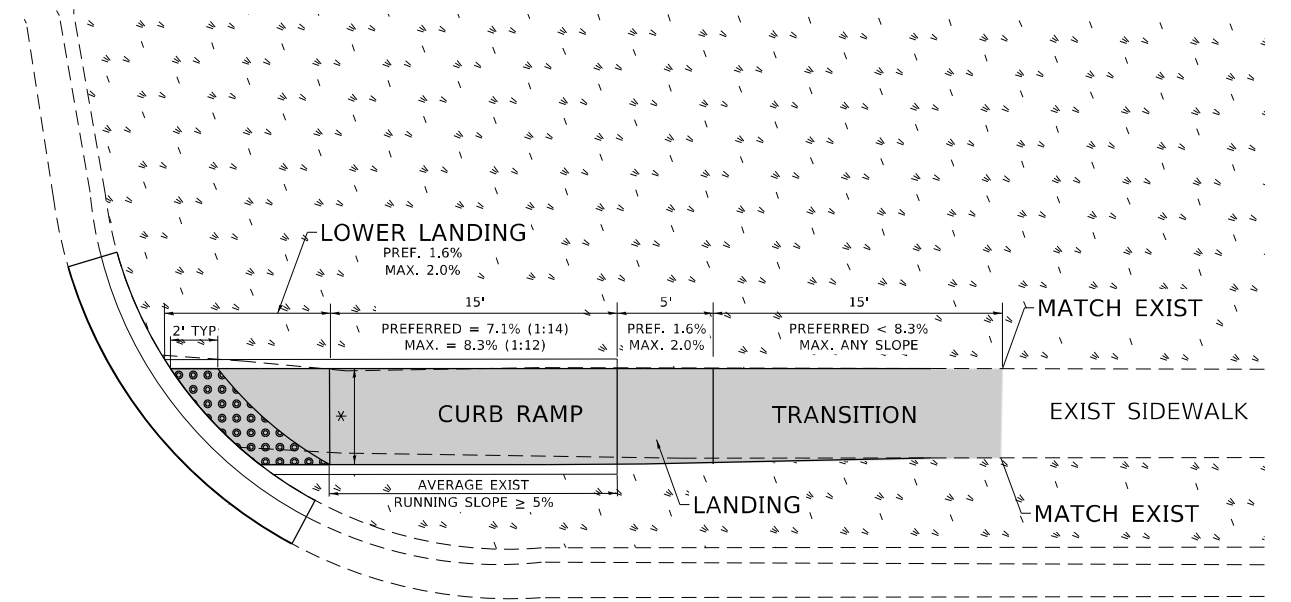
**PD-02A**



**PD-02B**



**PD-02C**



**LEGEND**

- EXIST. GRASS
- PROPOSED 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: Default  
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	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/23/2022	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

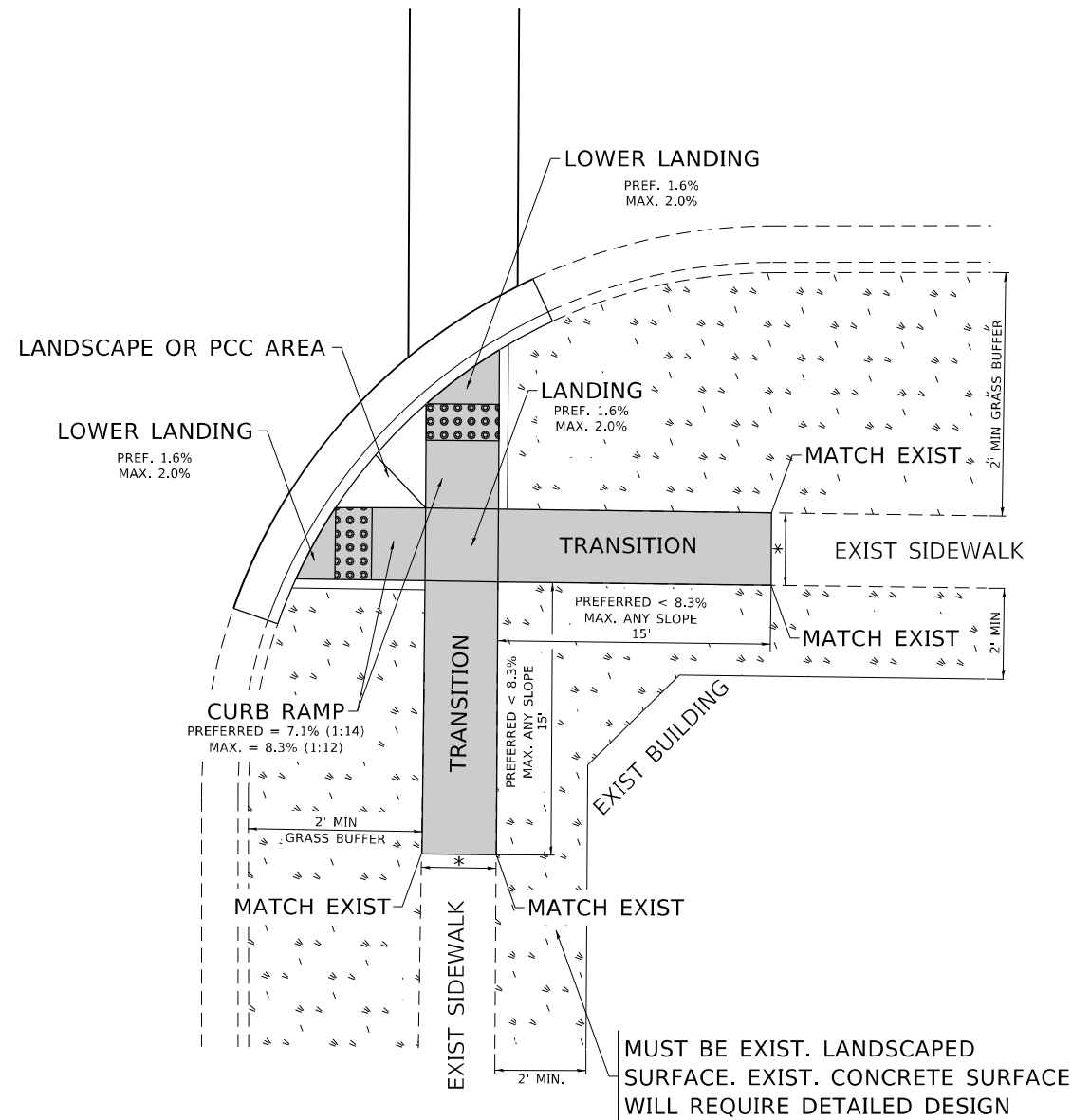
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS  
(PD-02)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

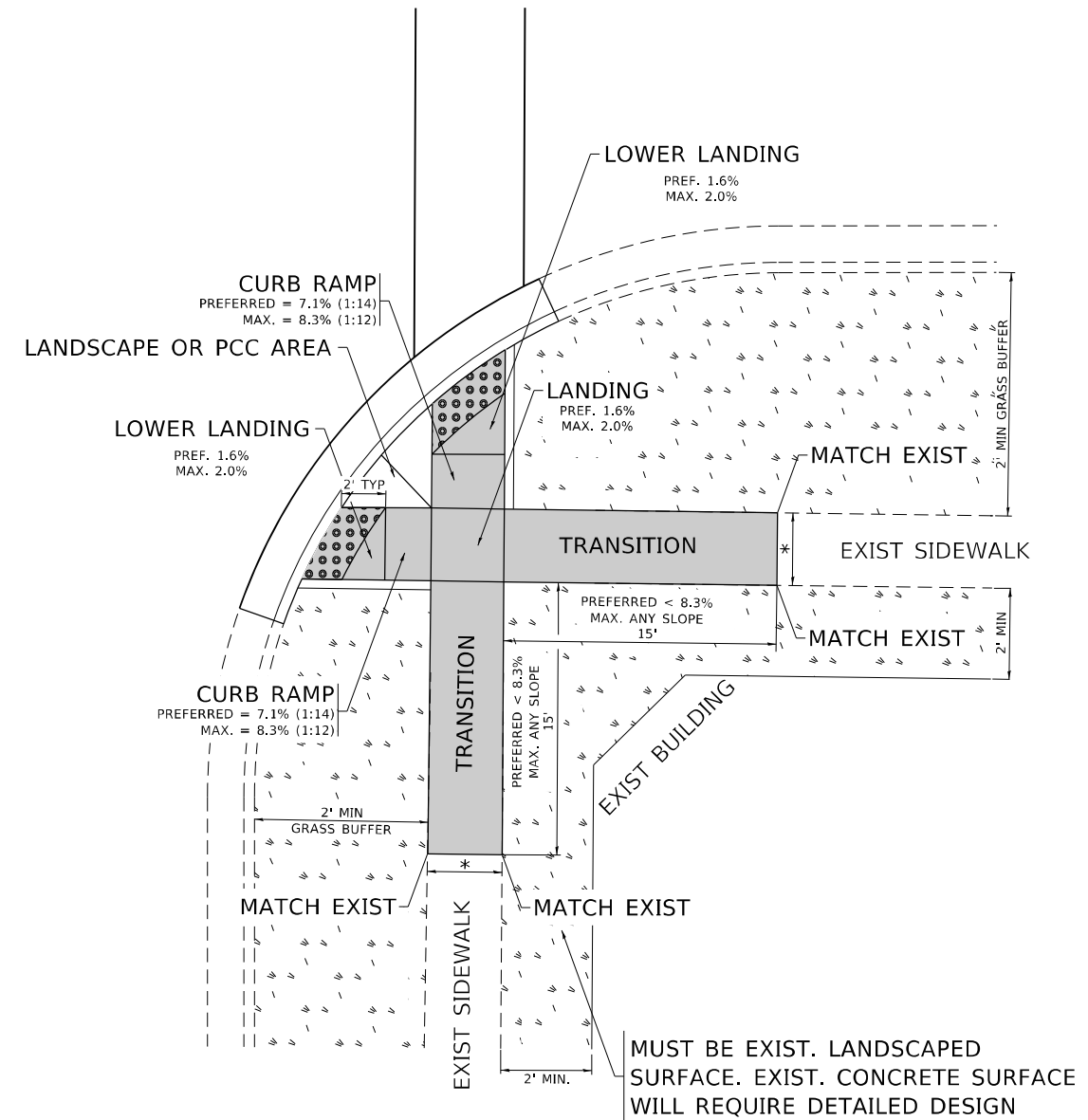
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	28
PD-02		CONTRACT NO. 62G26		
ILLINOIS FED. AID PROJECT				

# ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

**PD-03A**



**PD-03B**



**LEGEND**

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

**CONSTRUCTION NOTES:**

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

MODEL: Default  
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 PROJECT: 1126918

USER NAME = Addis_Abeba	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/23/2022	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

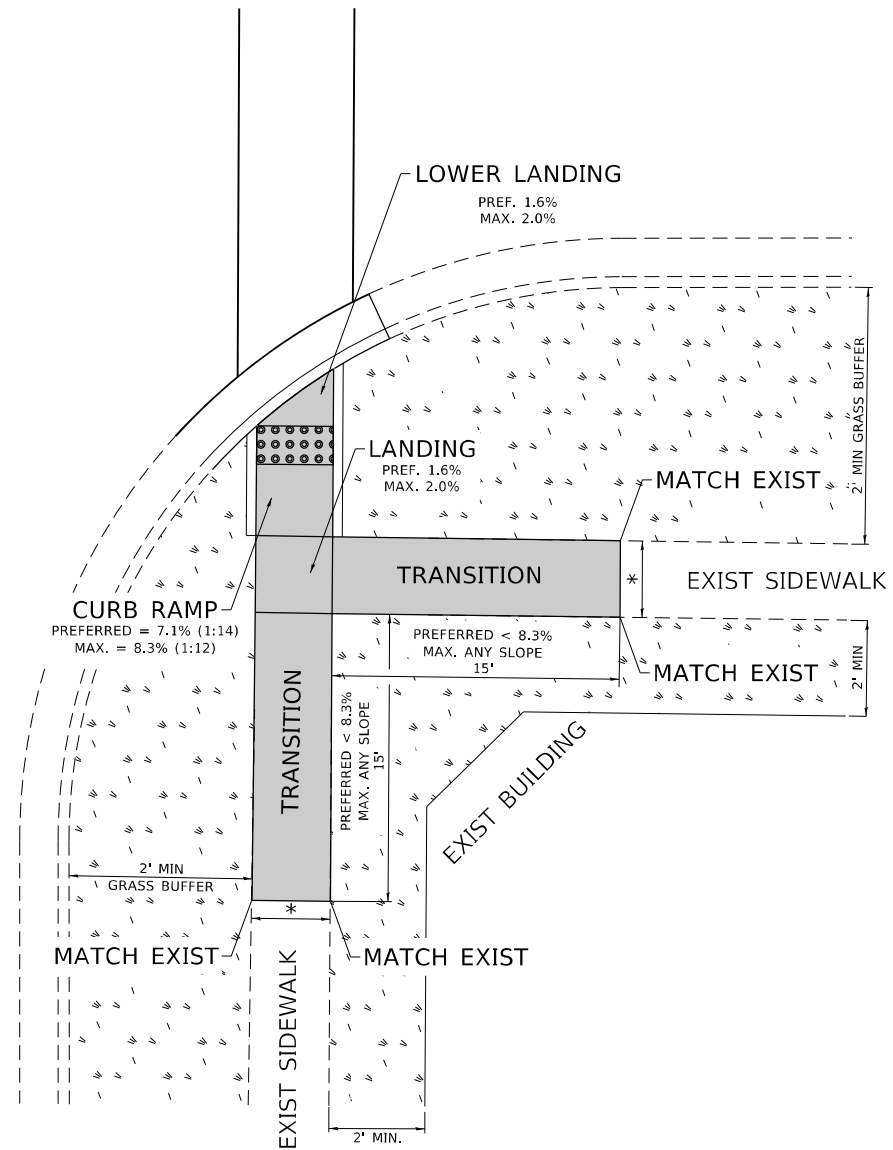
**PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS  
(PD-03)**

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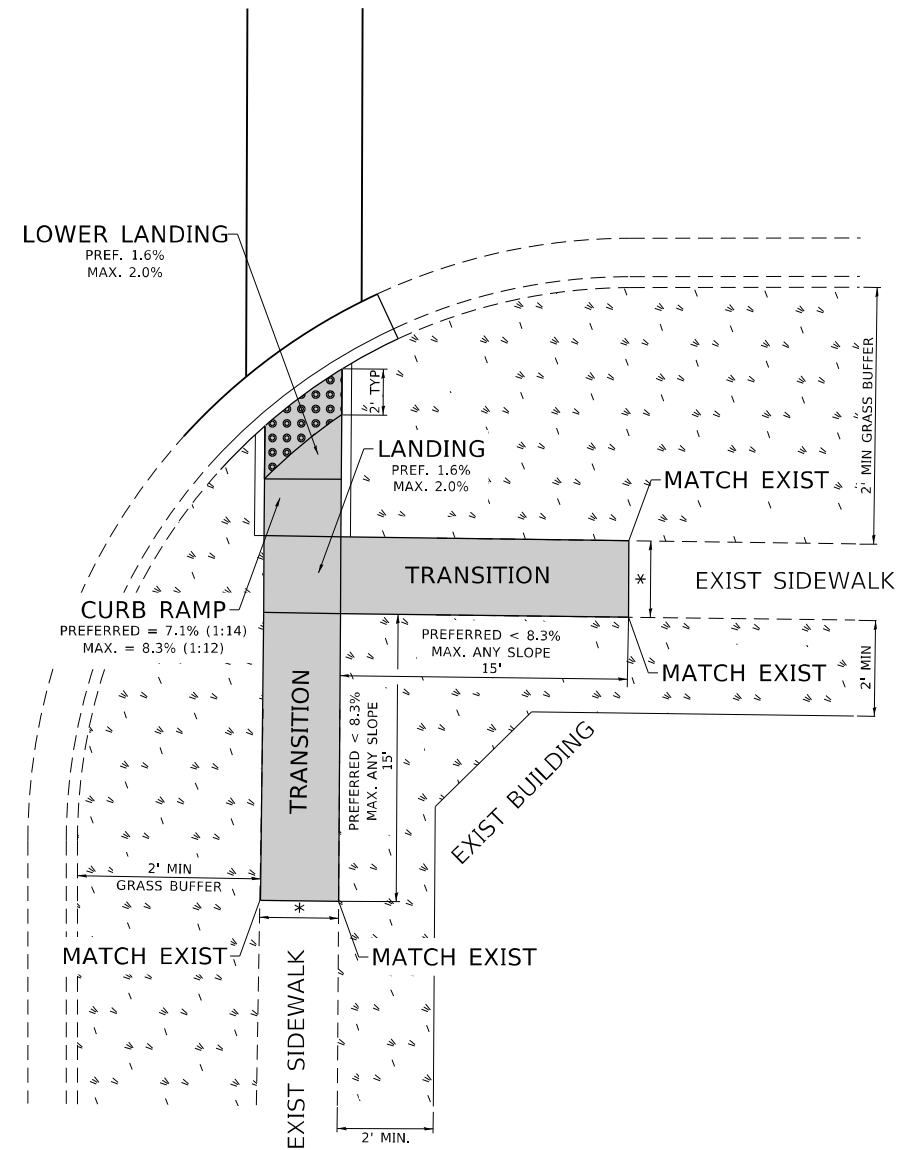
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	29
PD-03		CONTRACT NO. 62G26		
ILLINOIS FED. AID PROJECT				

# ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

**PD-04A**



**PD-04B**



**LEGEND**

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

**CONSTRUCTION NOTES:**

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

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 PROJECT: 1126918

USER NAME = Addis.Abebay	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/23/2022	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

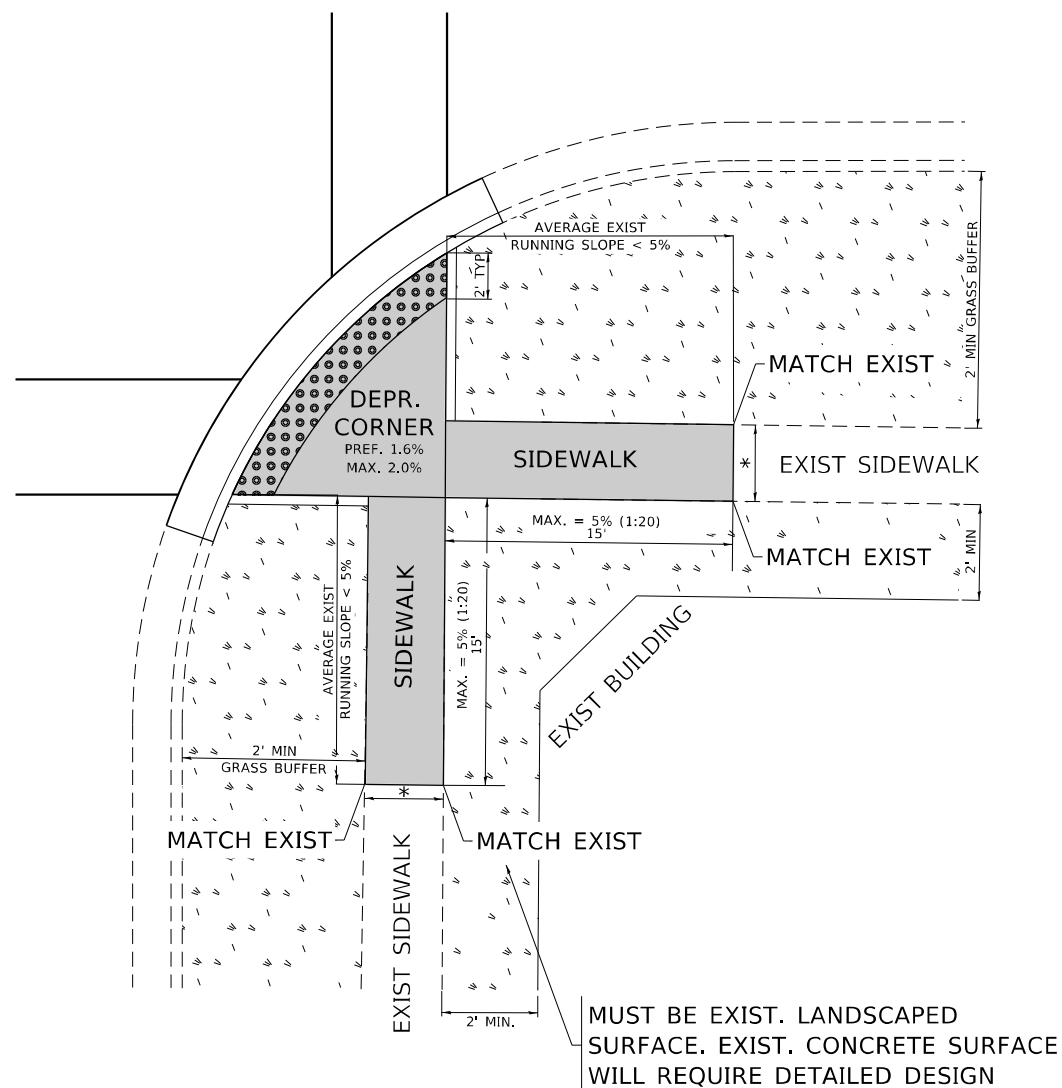
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH  
TURNING SPACE (PD-04)**

SCALE: NONE    SHEET    OF    SHEETS    STA.    TO STA.

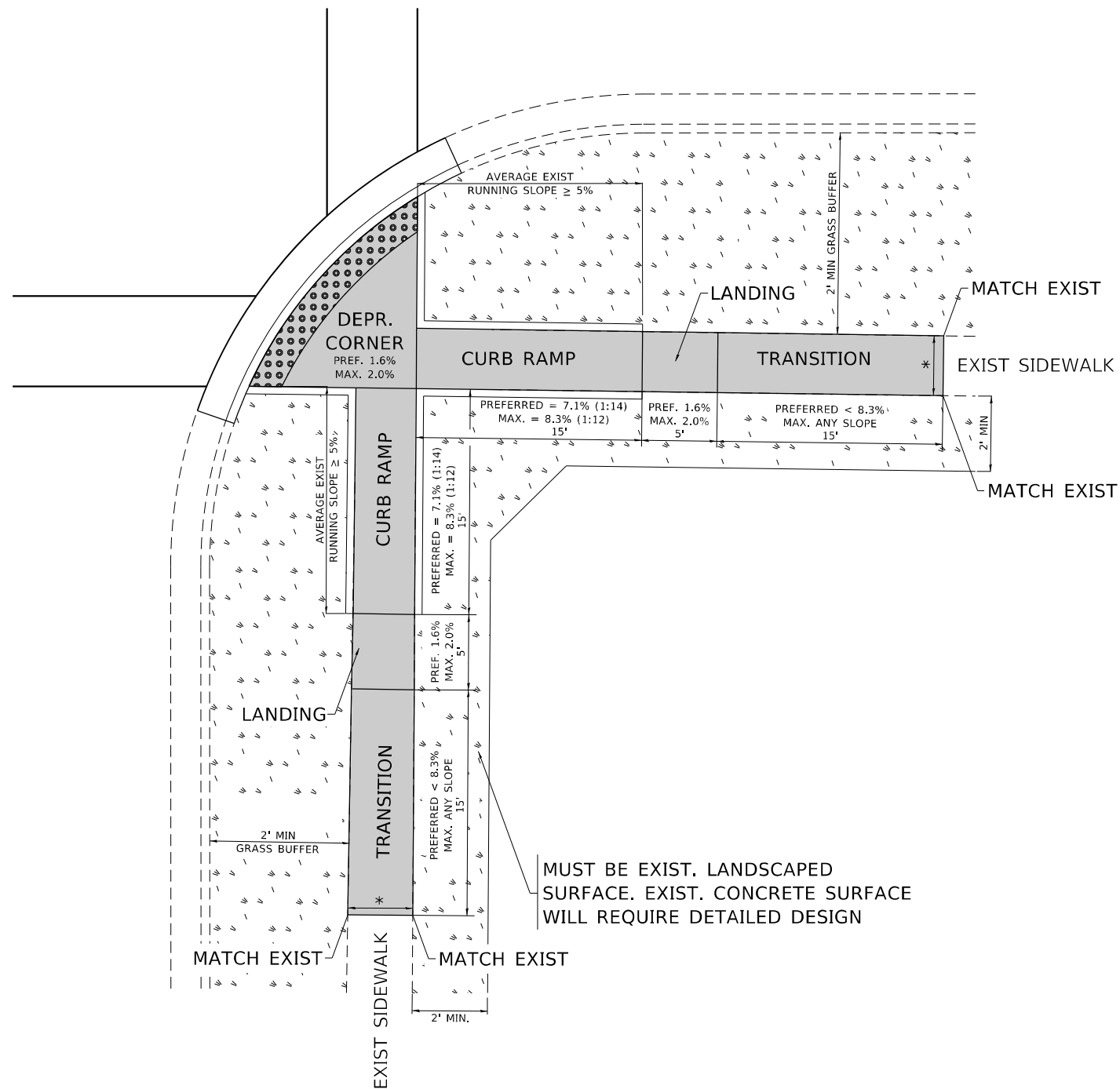
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	30
PD-04		CONTRACT NO. 62G26		
ILLINOIS FED. AID PROJECT				

# ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

**PD-05A**



**PD-05B**



**LEGEND**

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

**CONSTRUCTION NOTES:**

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

MODEL: Default  
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DRAWN - R. LEDEZMA	REVISIONS -	
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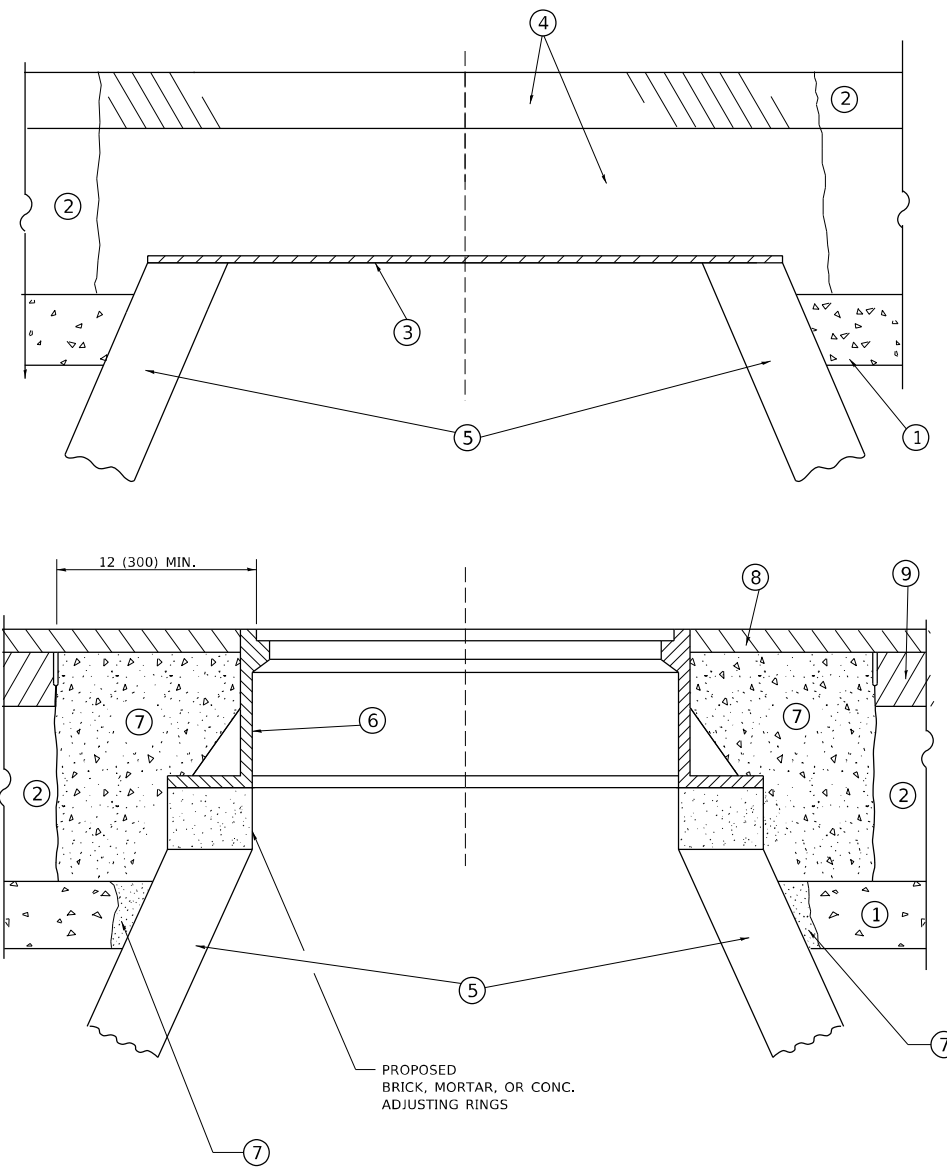
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS  
(PD-05)**

SCALE: NONE    SHEET    OF    SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	31
PD-05		CONTRACT NO. 62626		
ILLINOIS FED. AID PROJECT				





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

**NOTES**

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

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS\*PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES**

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

**BASIS OF PAYMENT**

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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PROJECT: 11/23/2022

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	DRAWN -	REVISED - R. BORO 03-09-11
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 12-06-11
PLOT DATE = 11/23/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

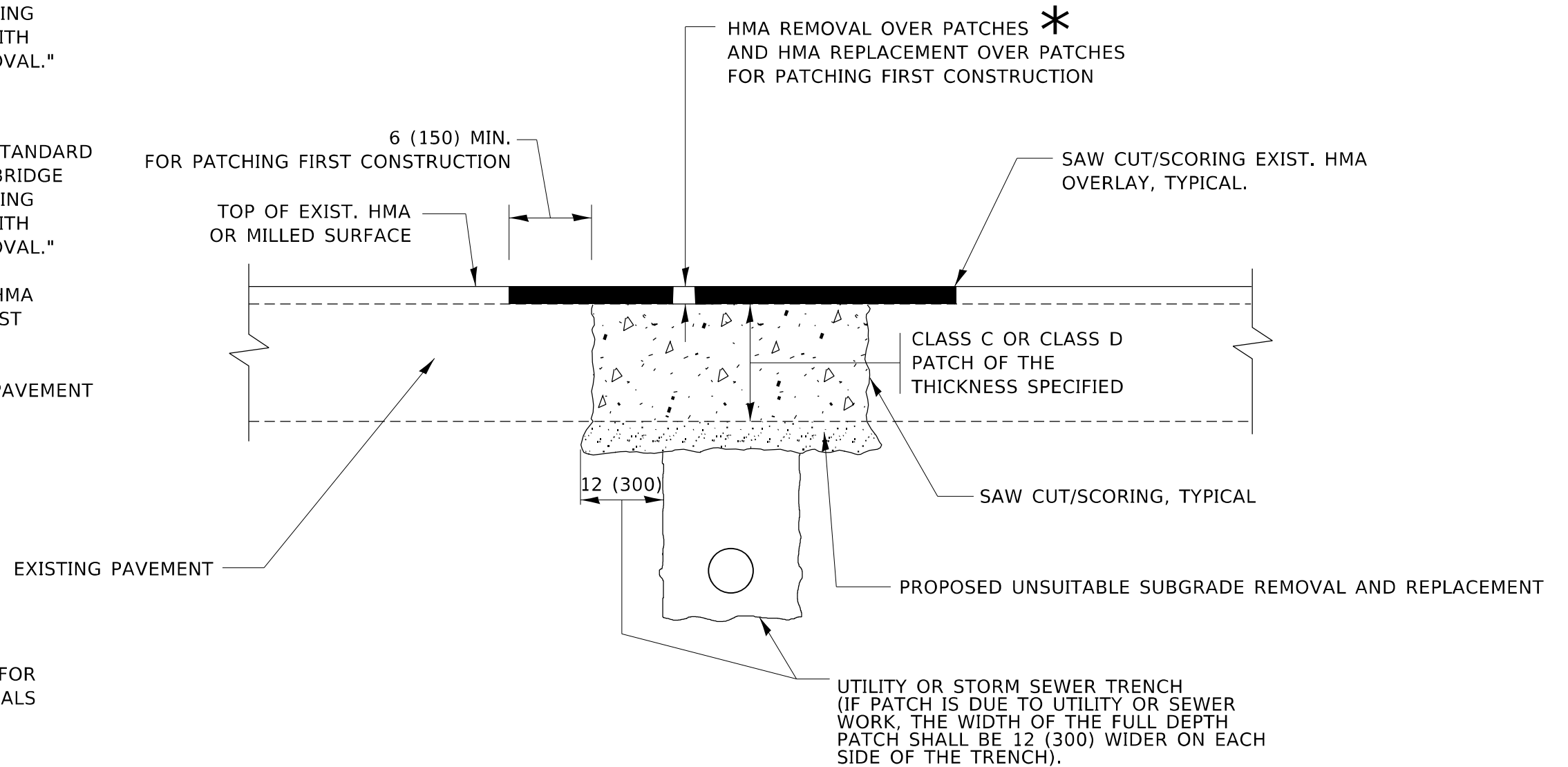
F.A.P. RTE. 303	SECTION 135 RS & SW	COUNTY LAKE	TOTAL SHEETS 42	SHEET NO. 32
BD600-03 (BD-08)		CONTRACT NO. 62G26		
ILLINOIS FED. AID PROJECT				

**METHOD OF MEASUREMENT**

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

**BASIS OF PAYMENT**

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



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

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

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

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

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

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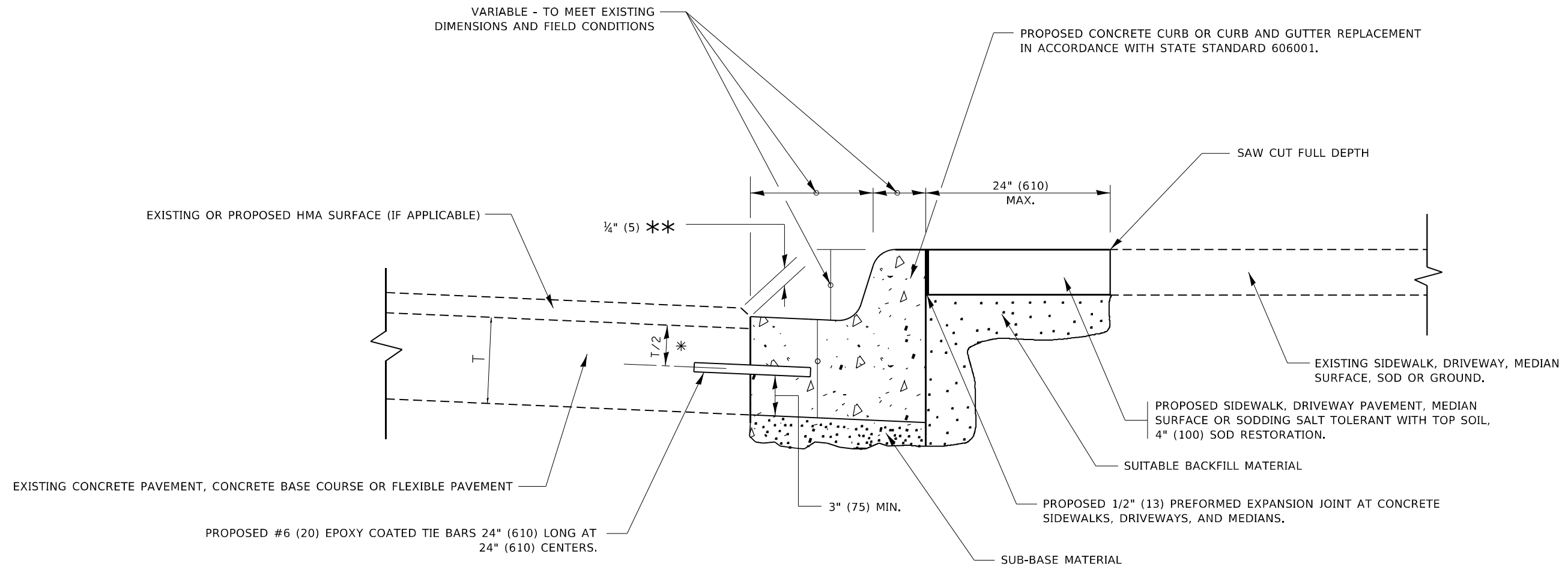
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PLOT DATE = 11/23/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	33
BD400-04 (BD-22)			CONTRACT NO. 62G26	
ILLINOIS FED. AID PROJECT				



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

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

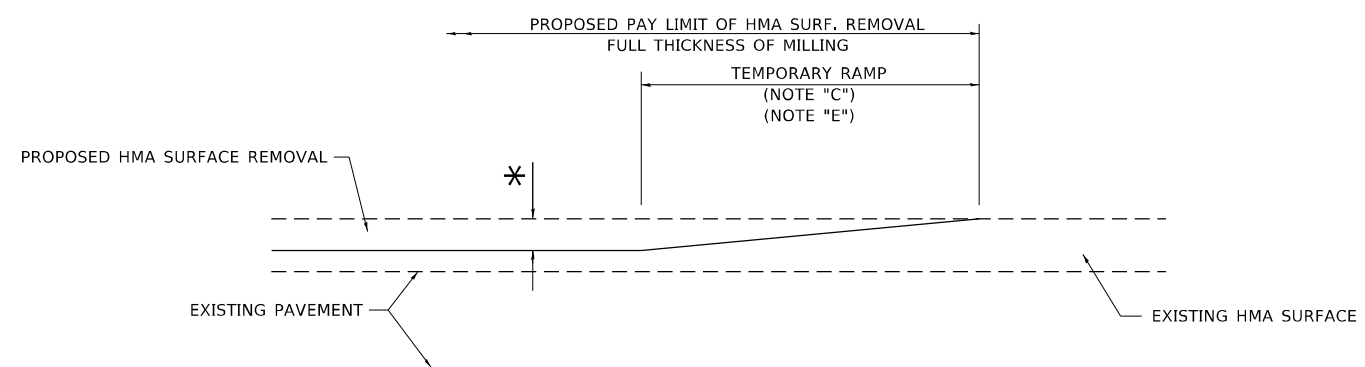
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	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 11/23/2022	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

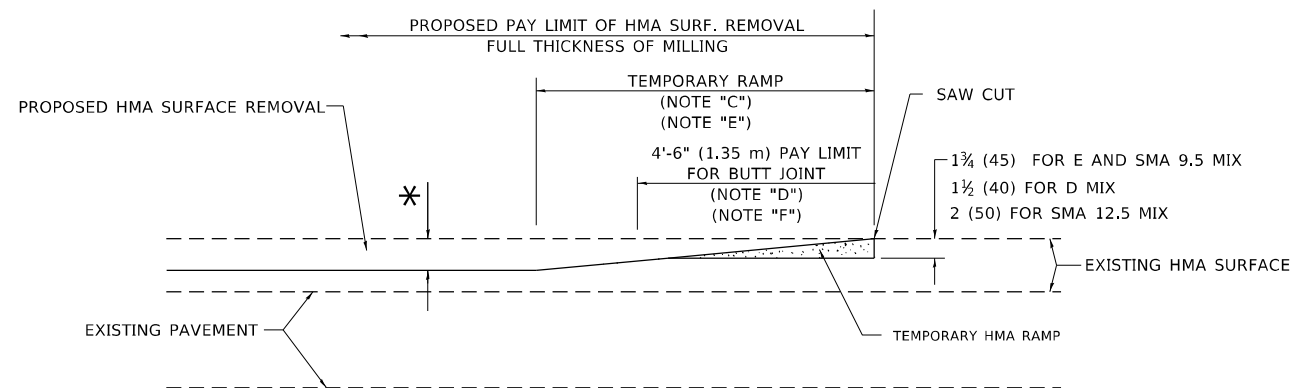
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303	135 RS & SW	LAKE	42	34
<b>BD600-06 (BD-24)</b>			CONTRACT NO. 62G26	
ILLINOIS FED. AID PROJECT				



**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

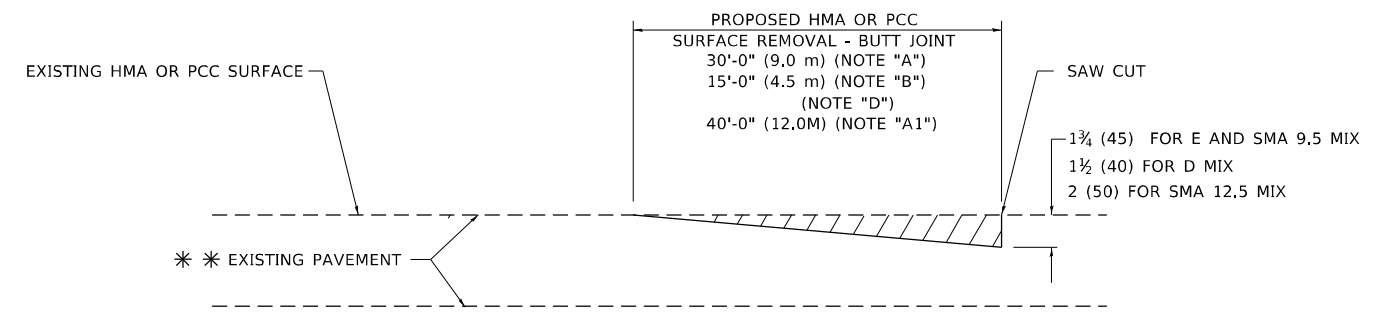


**HMA CONSTRUCTED TEMPORARY RAMP**

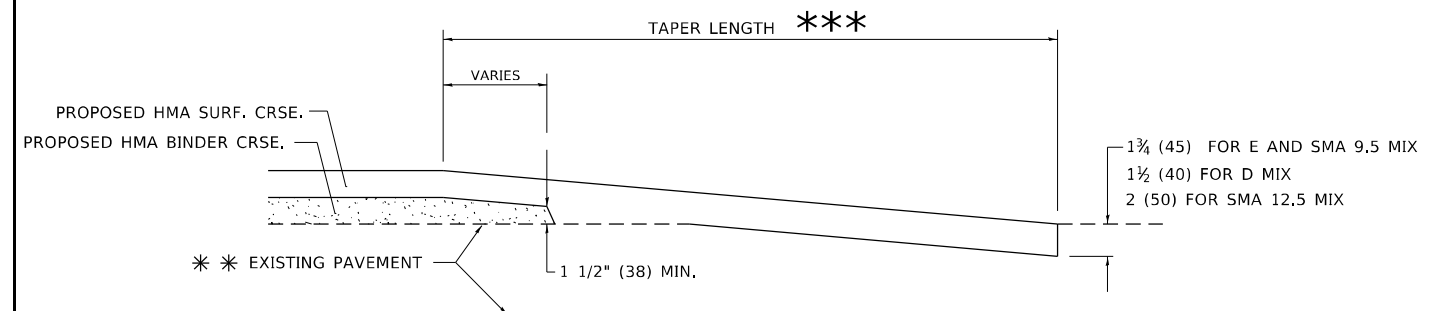
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

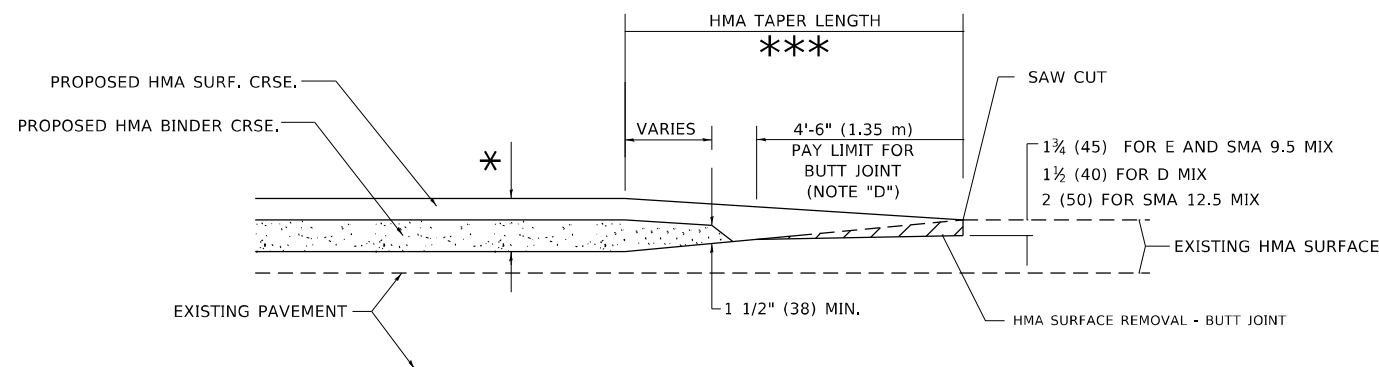
**GENERAL NOTES**

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

**BASIS OF PAYMENT**

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

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



**BUTT JOINT AND HMA TAPER**

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

MODEL: Default  
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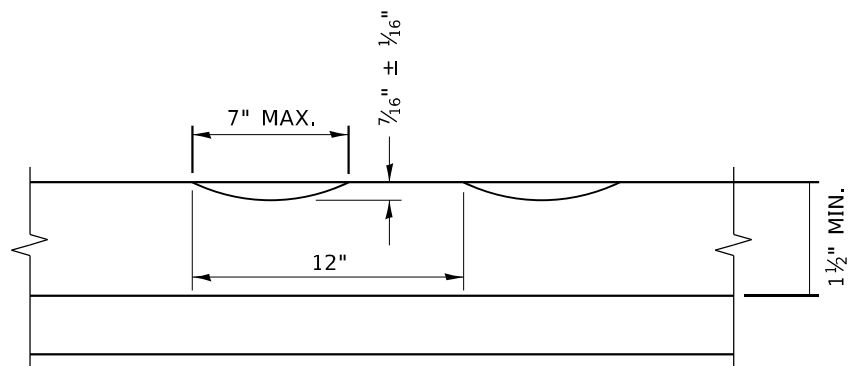
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	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/23/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
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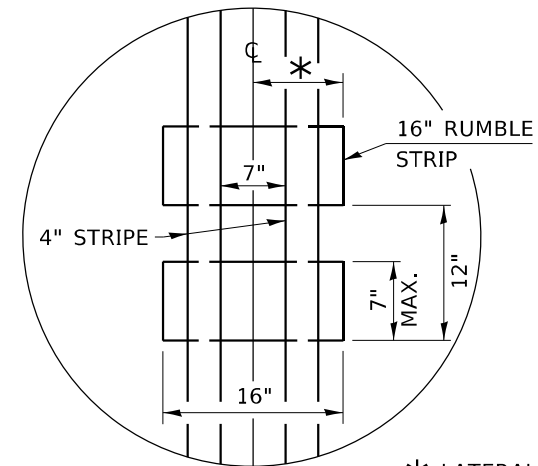
BUTT JOINT AND  
HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	35
BD400-05 BD-32			CONTRACT NO. 62G26	
ILLINOIS FED. AID PROJECT				



**SECTION A-A**



\* LATERAL DEVIATION SHALL NOT EXCEED ONE INCH IN 100 FEET.

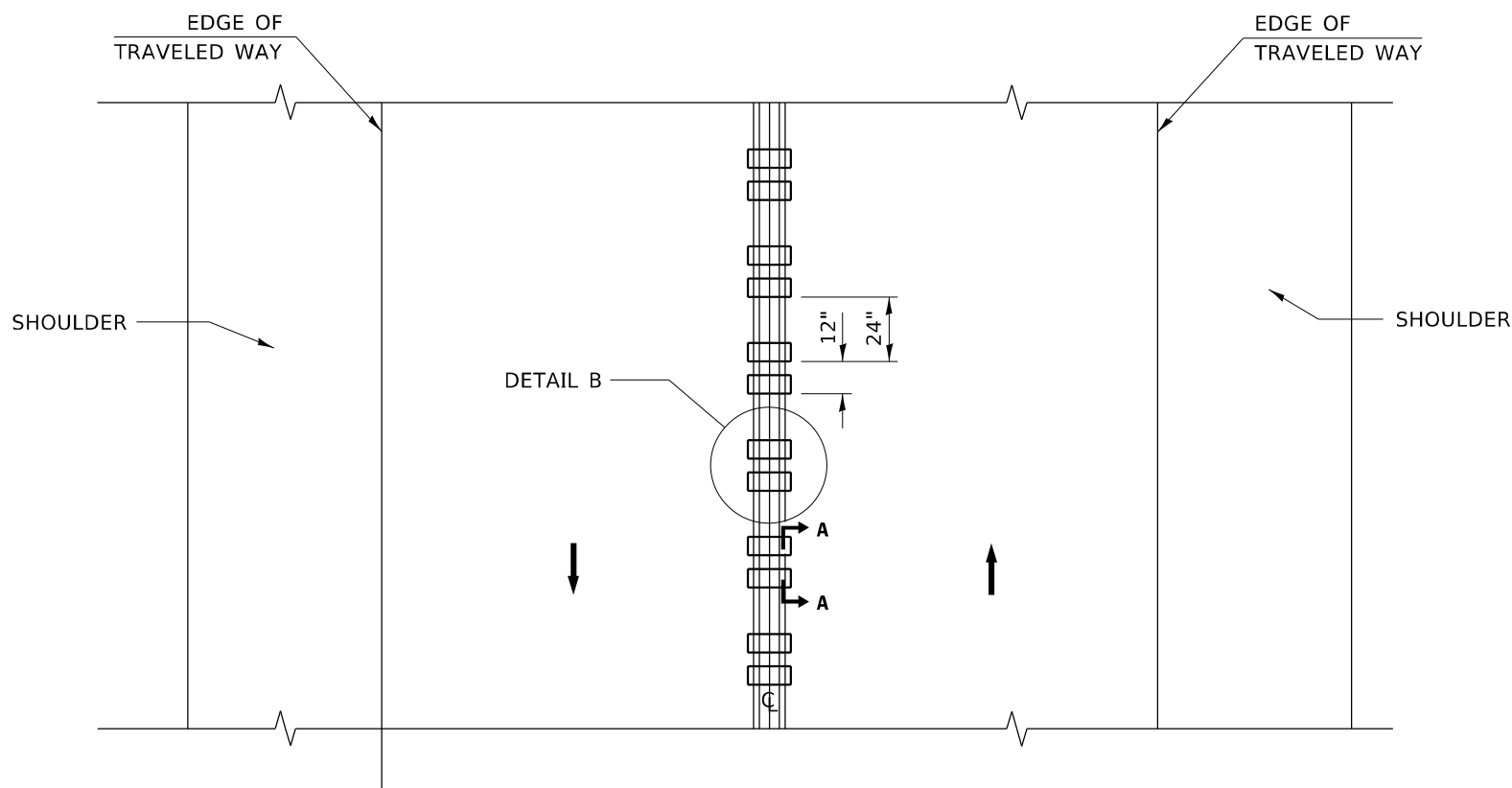
**DETAIL B**

**GENERAL NOTES**

1. CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.
2. SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS.
3. RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.
4. ALL RUMBLE STRIPS SHALL BE MILLED.
5. CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.
6. DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.
7. AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEPED CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.
8. WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

**BASIS OF PAYMENT**

1. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.
2. HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.



**TWO-WAY ROAD**

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USER NAME = Addis.Abebay	DESIGNED - R. BORO	REVISED - K. SMITH 11-18-22
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/23/2022	DATE - 08-06-2012	REVISED -

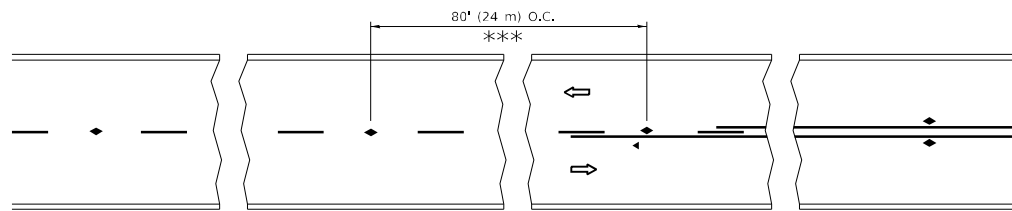
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY**

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

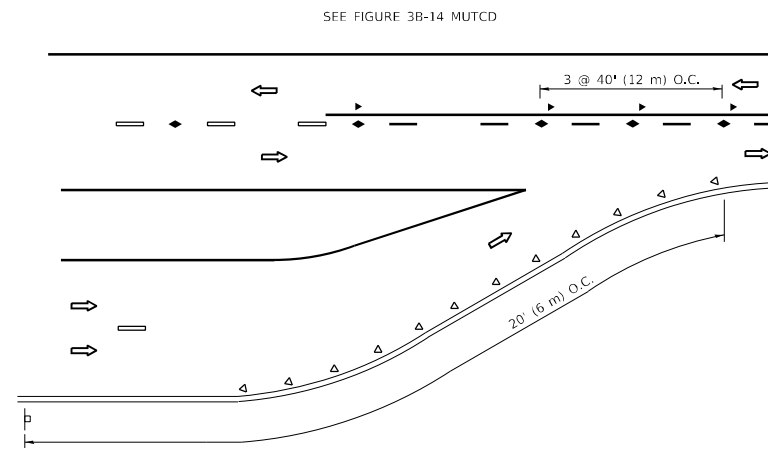
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	36
<b>BD-55</b>			CONTRACT NO. 62G26	
ILLINOIS FED. AID PROJECT				



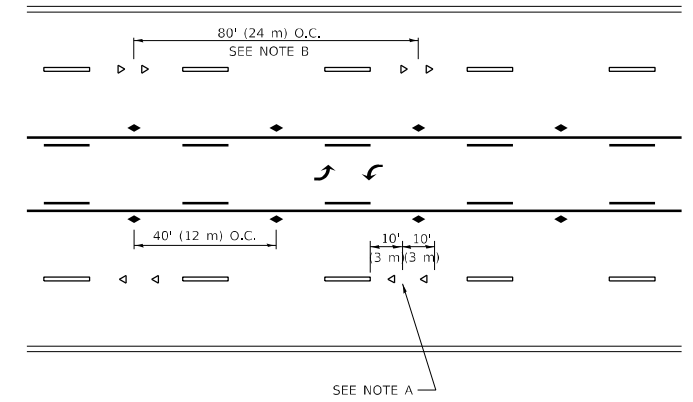


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

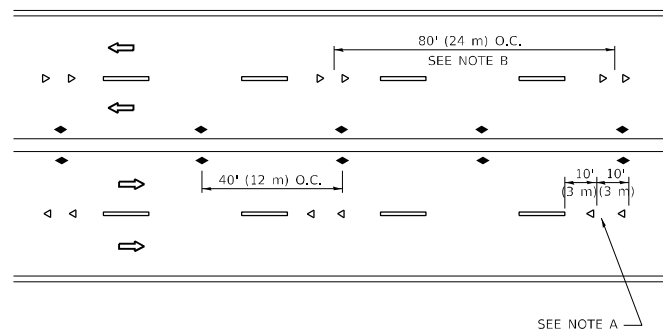
**TWO-LANE/TWO-WAY**



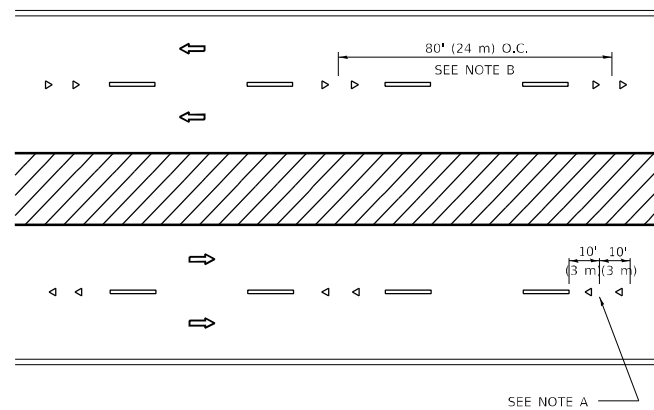
**LANE REDUCTION TRANSITION**



**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**

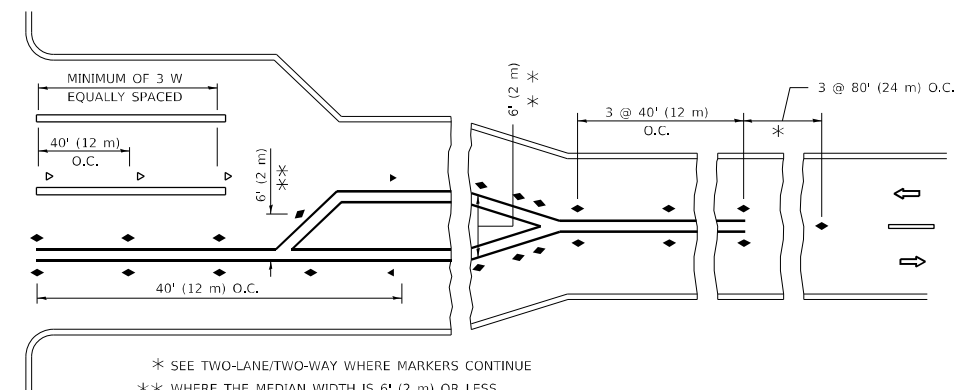
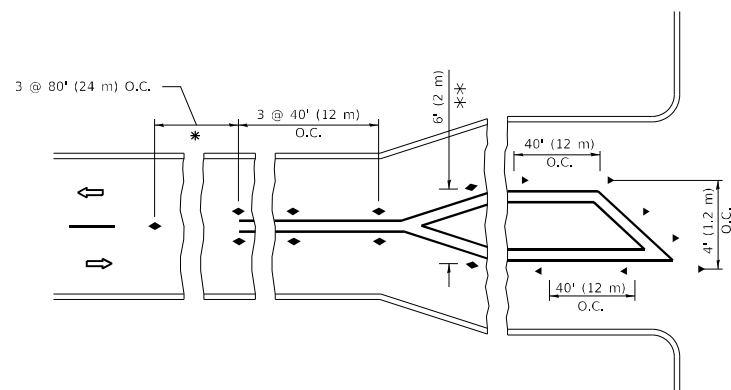
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**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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USER NAME = Addis.Abebay	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 11/23/2022	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

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

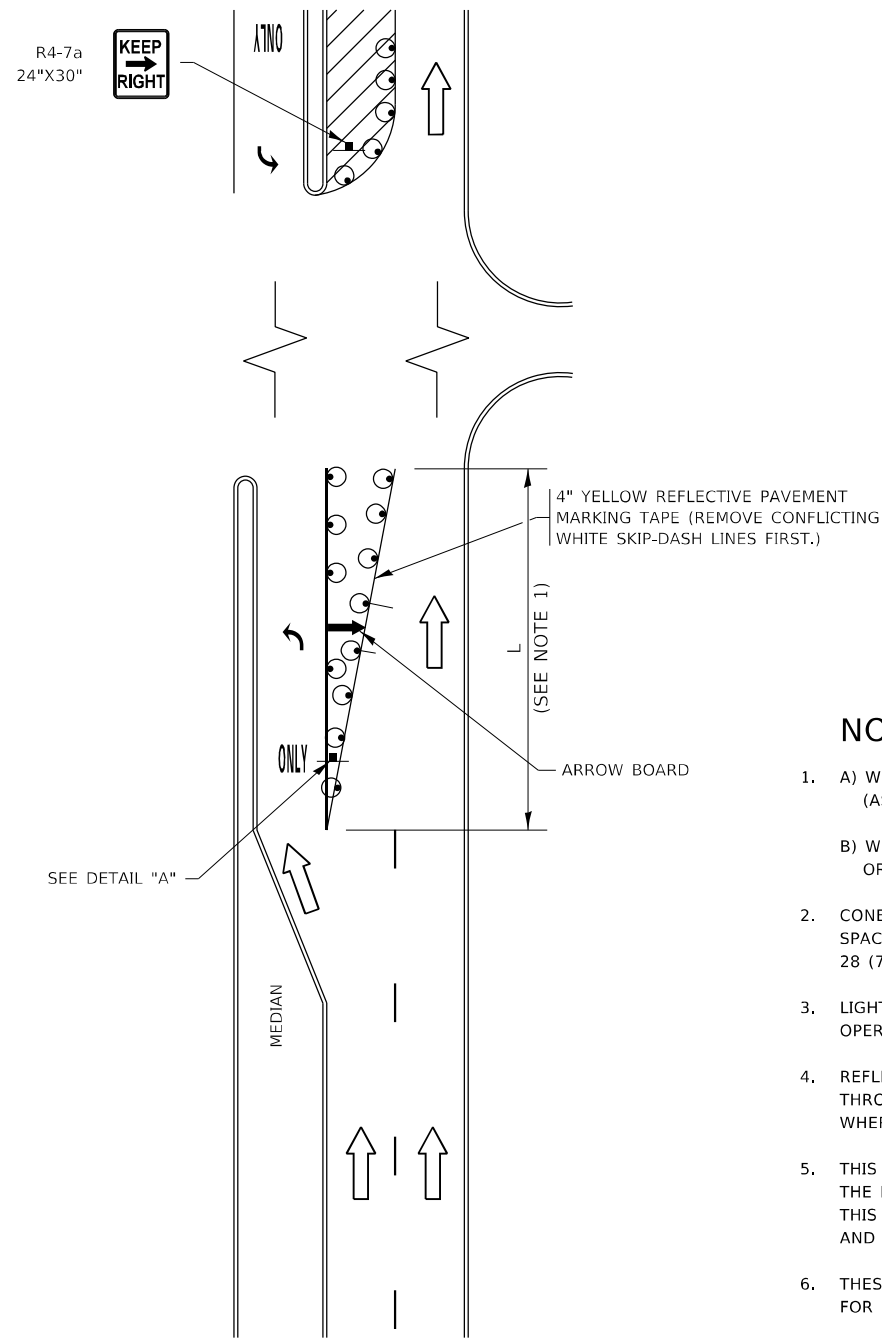
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	29
TC-11		CONTRACT NO. 62G26		
ILLINOIS FED. AID PROJECT				



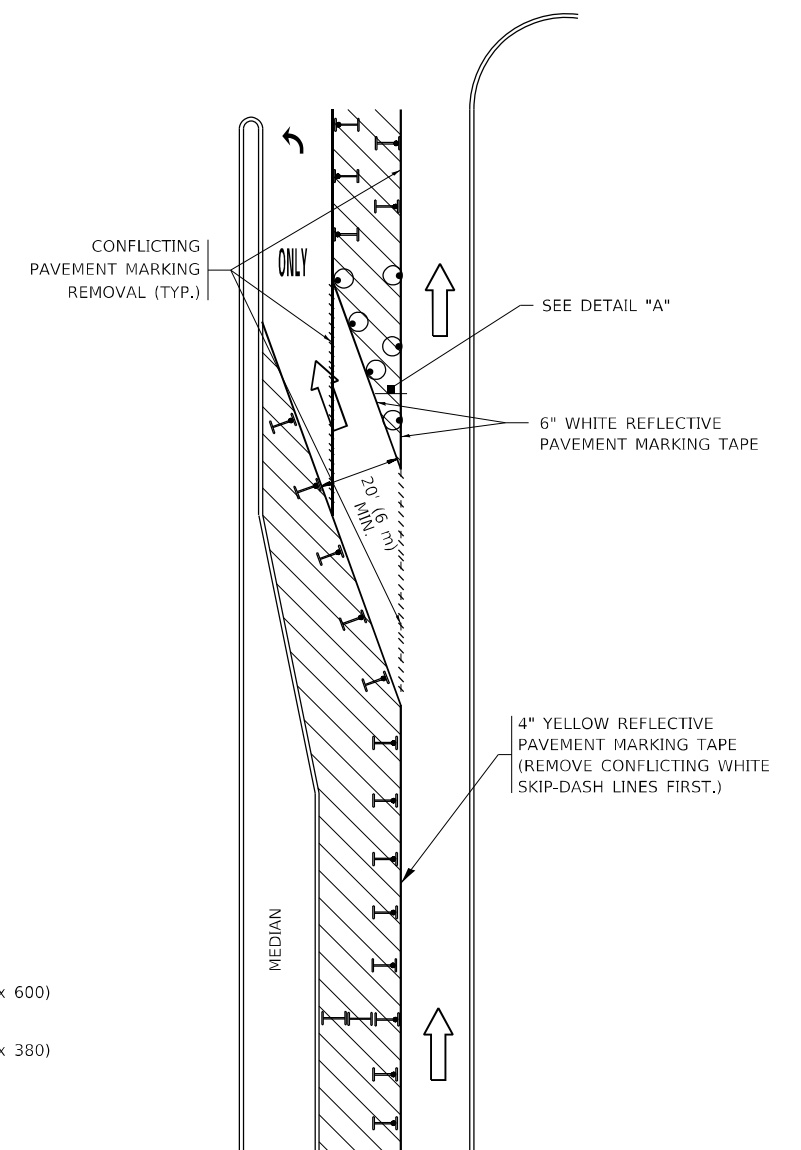


# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

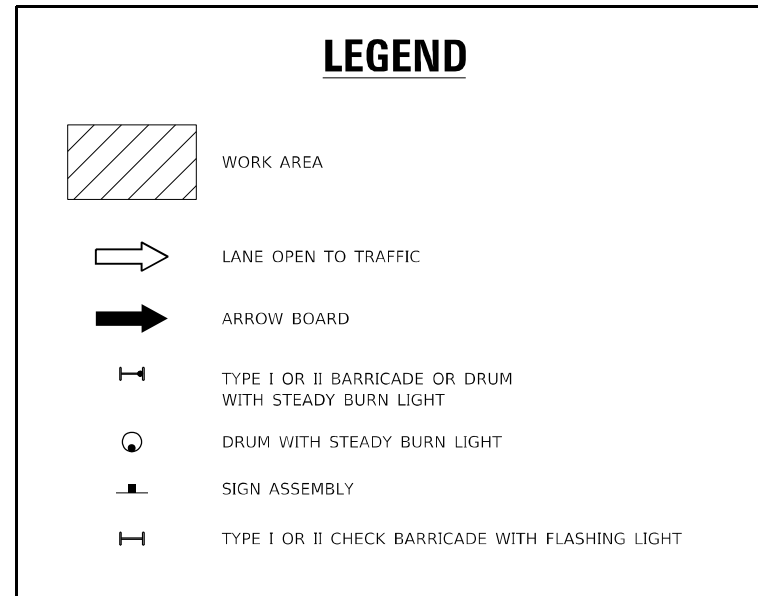


**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE

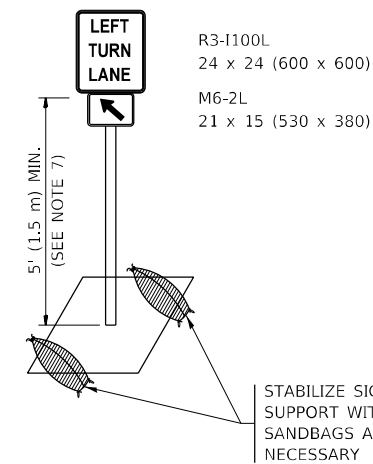


**FIGURE 2**



### NOTES:

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



**DETAIL A**

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

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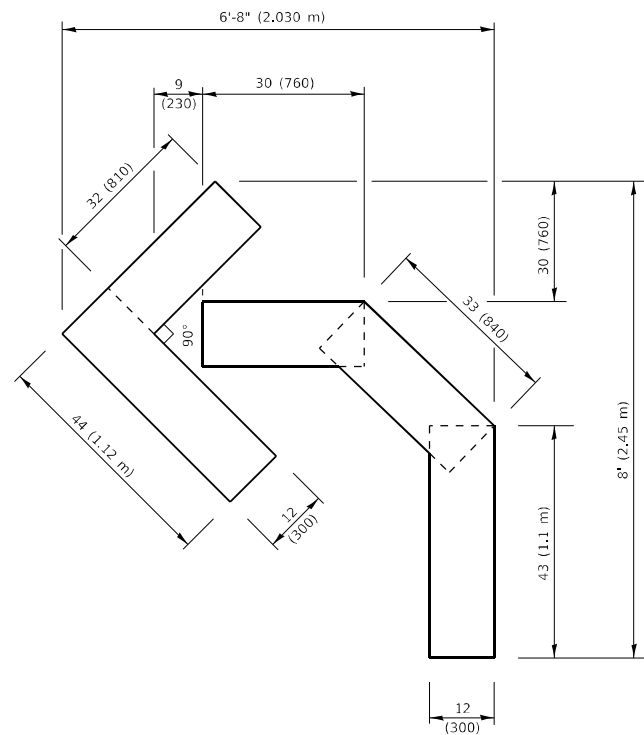
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 11/23/2022	DATE - T. RAMMACHER 01-06-00	REVISED -

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

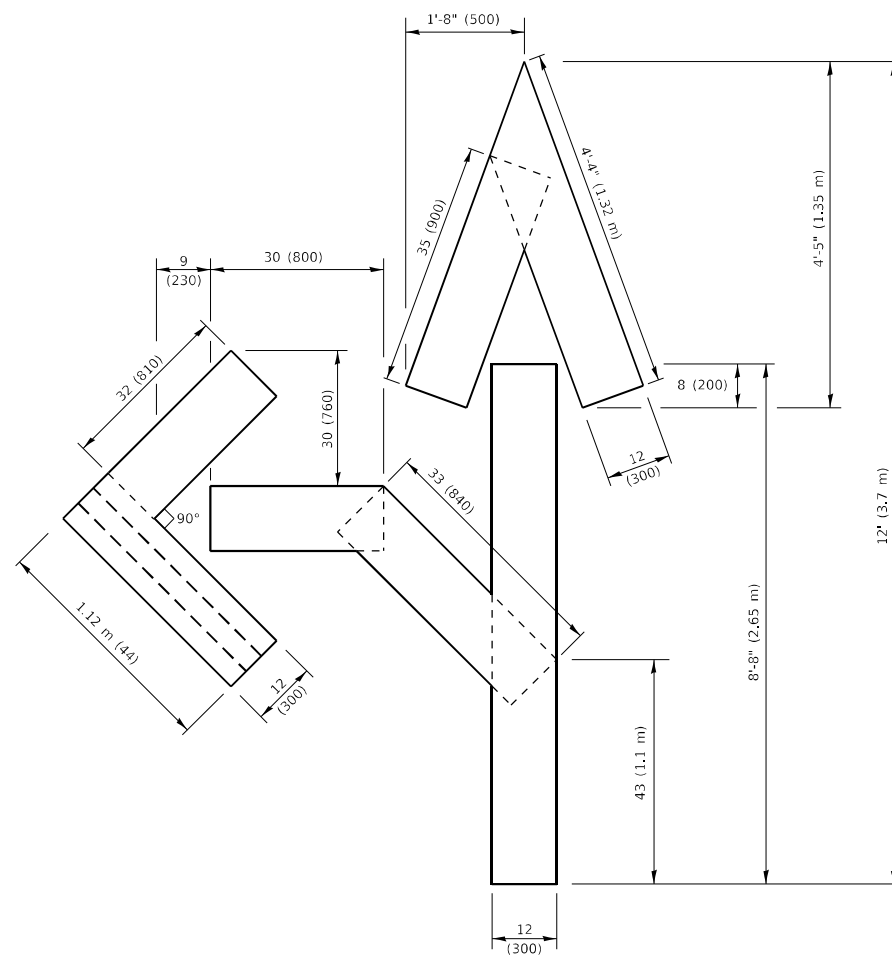
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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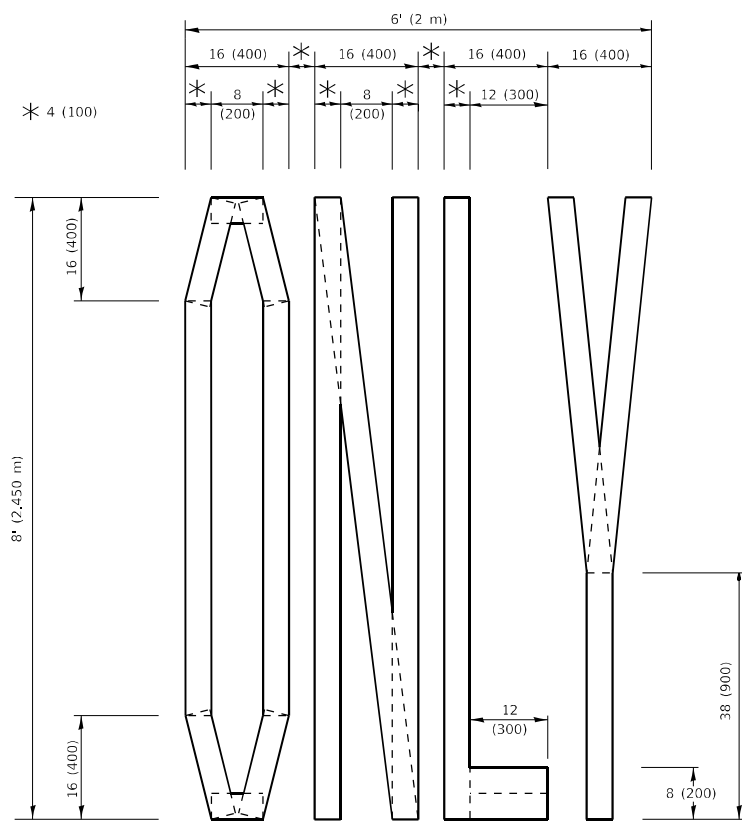
**QUANTITY**

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



**QUANTITY**

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

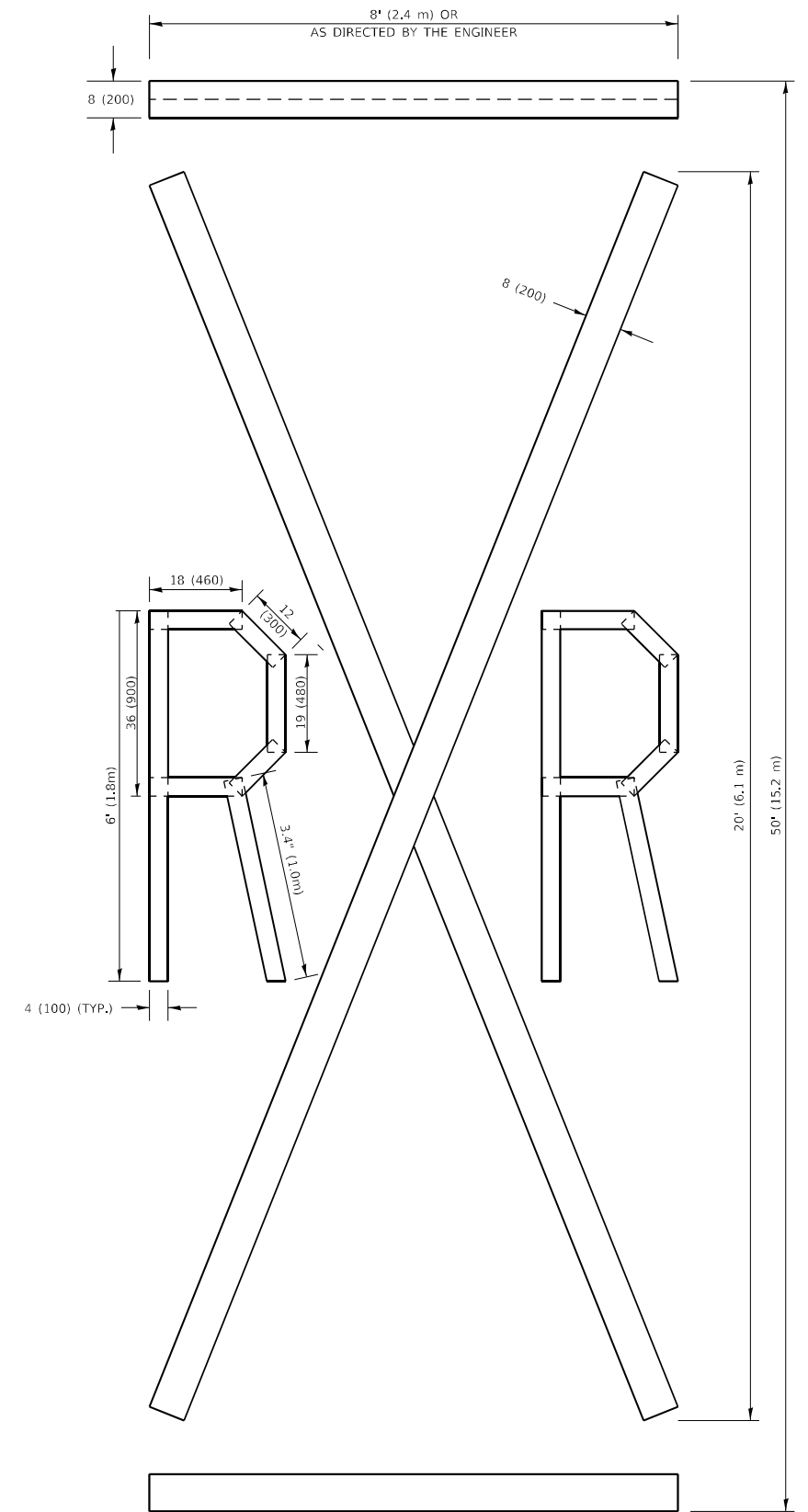


**QUANTITY**

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

**NOTE:**

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



**QUANTITY**

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

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

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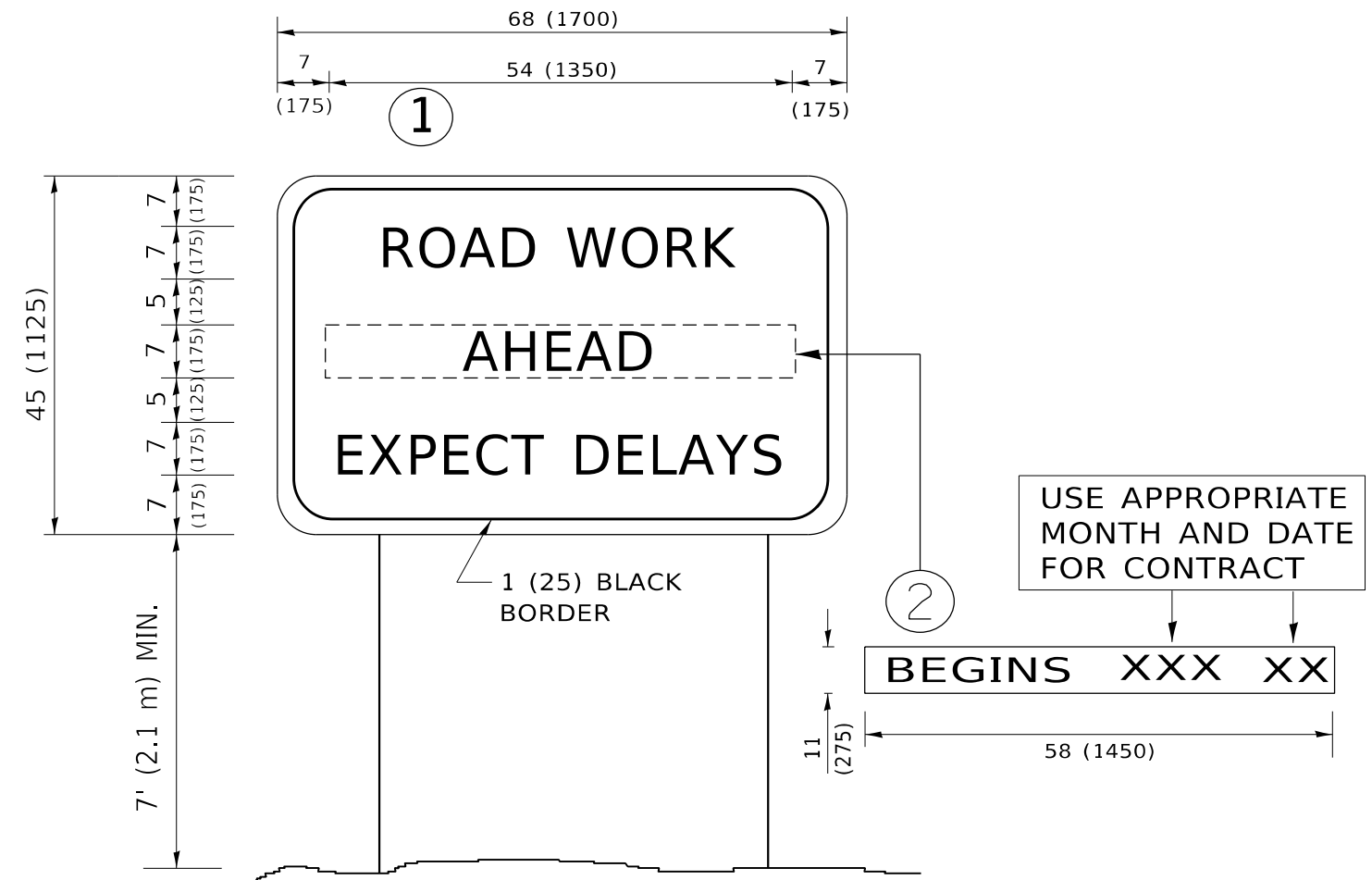
USER NAME = Addis_Abeba	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
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PLOT DATE = 11/23/2022	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

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**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.
303	135 RS & SW	LAKE	42	41
<b>TC-16</b>		CONTRACT NO. 62G26		
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**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 = Addis.Abebay	DESIGNED -	REVISED - R. MIRS 09-15-97
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT DATE = 11/23/2022	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	DATE -	REVISED - C. JUCIUS 01-31-07

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**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	135 RS & SW	LAKE	42	42
<b>TC-22</b>			CONTRACT NO. 62G26	
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