

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2021-028-RS	LAKE	30	1
		ILLINOIS	CONTRACT NO. 62N70	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS IMPROVEMENT IS LOCATED
IN THE VILLAGES OF WADSWORTH & ZION

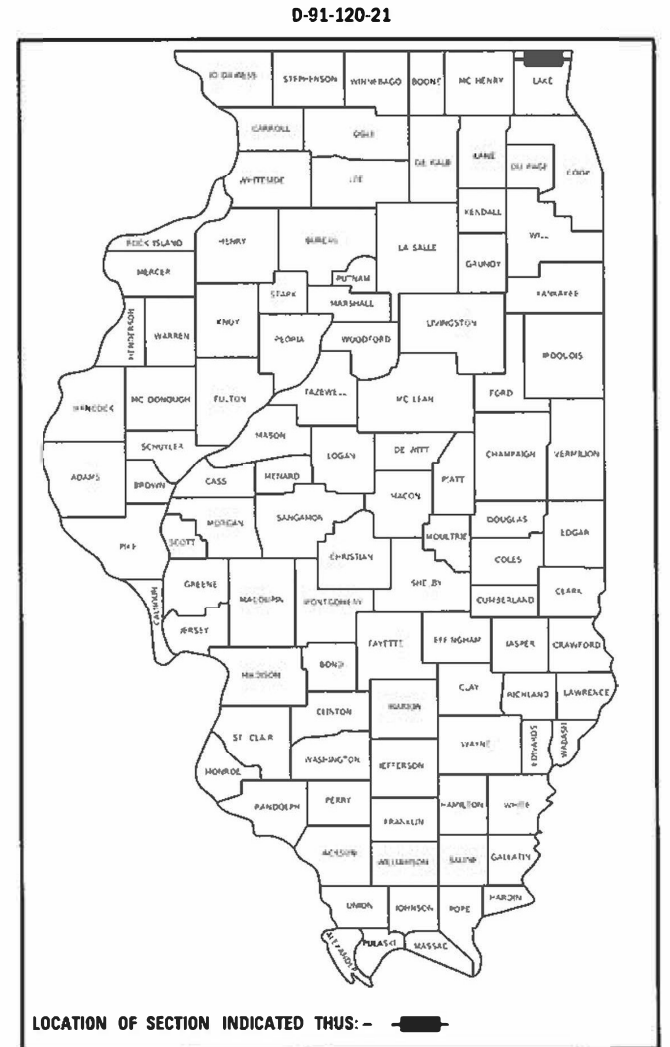
TRAFFIC DATA

EXISTING ADT = 13500 (2019)
POSTED SPEED LIMIT = 45 & 50 MPH

PROPOSED
HIGHWAY PLANS

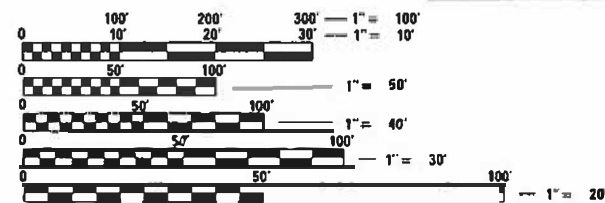
FAP ROUTE 303 – IL 173 (ROSECRANS RD)
E OF I-94 (TRI-STATE TOLLWAY) TO IL-131 (GREEN BAY RD)
SECTION: 2021-028-RS
PROJECT: NHPP-H03Z(844)
SMART OVERLAY
LAKE COUNTY

C-91-143-21



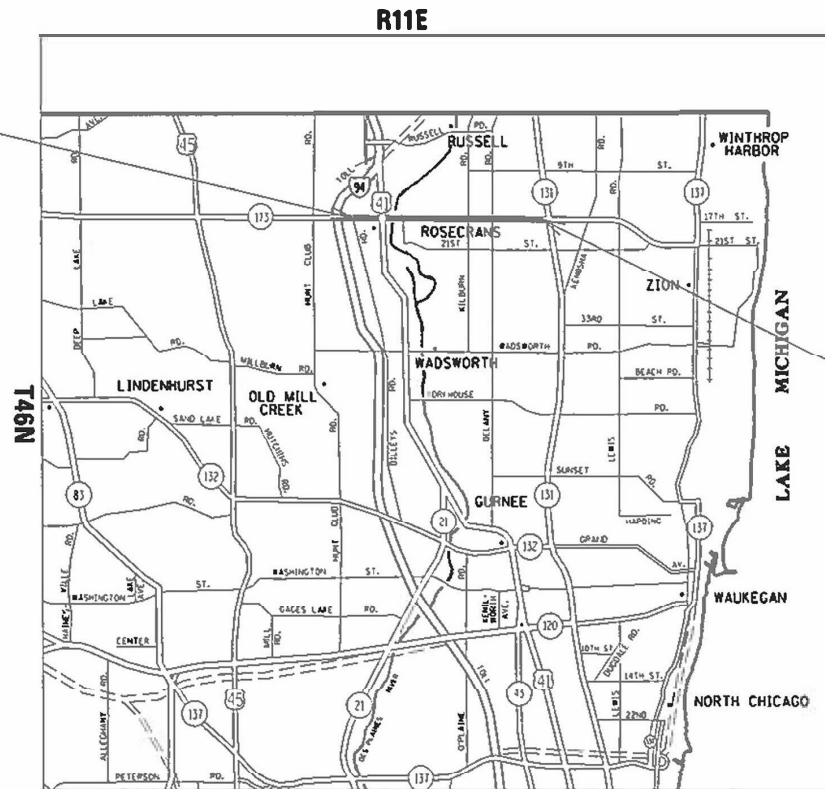
IMPROVEMENT BEGINS
STA 37 + 03

OMISSION
STA 62 + 30 TO STA 64 + 62
STA 72 + 85 TO STA 73 + 98
STA 104 + 17 TO STA 104 + 40
STA 193 + 25 TO STA 193 + 68



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 EXCAVATORS
1-800-892-0123
OR 811



IMPROVEMENT ENDS
STA 237 + 65

NEWPORT TOWNSHIP
GROSS LENGTH = 20,062.0 FT. = 3.80 MILE
NET LENGTH = 19,651.0 FT. = 3.72 MILE

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

CONTRACT NO. 62N70

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED: January 28, 2022

[Signature]
REGIONAL ENGINEER

March 25, 2022

[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 23, 2022

[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

STATE STANDARDS

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-7	EXISTING AND PROPOSED TYPICAL SECTIONS
8-15	ROADWAY PLAN
16-19	DETECTOR LOOP REPLACEMENT PLANS
20	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)
21	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
22	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
23	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
24	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
25	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)
26	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
27	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
28	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
29	ARTERIAL ROAD INFORMATION SIGN (TC-22)
30	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

STANDARD NO.

DESCRIPTION

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
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 SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS- DAY ONLY
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 1-800-892-0123, OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND AND THE VILLAGES OF WADSWORTH AND ZION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 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.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 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 ENGINEER.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER), WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 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 THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN, AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF CONSTRUCTION.
- THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
- 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 ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
- ALL MILLED SURFACES SHALL BE AT A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2021-028-R5	LAKE	30	2
CONTRACT NO. 62N70				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE			
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	200	200				
*21400100	GRADING AND SHAPING DITCHES	FOOT	100	100				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	120	120				
25200110	SODDING, SALT TOLERANT	SO YD	120	120				
25200200	SUPPLEMENTAL WATERING	UNIT	12	12				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	39343	39343				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	131	131				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	445	445				
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	6287	6287				
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	1236	1236				
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	5	5				
42001300	PROTECTIVE COAT	SO YD	92	92				
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	74845	74845				

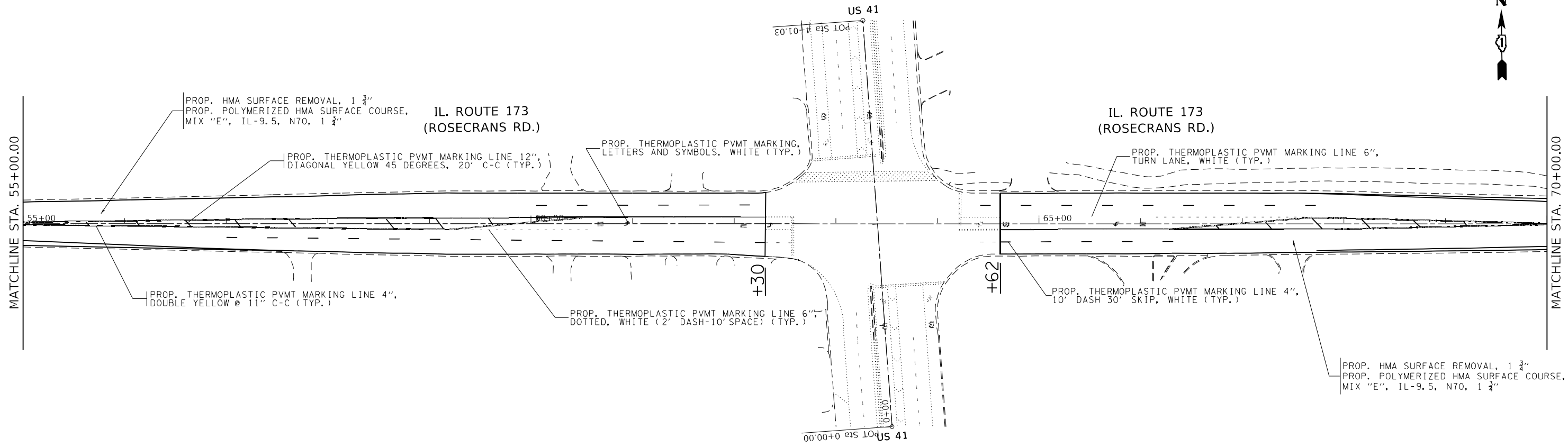
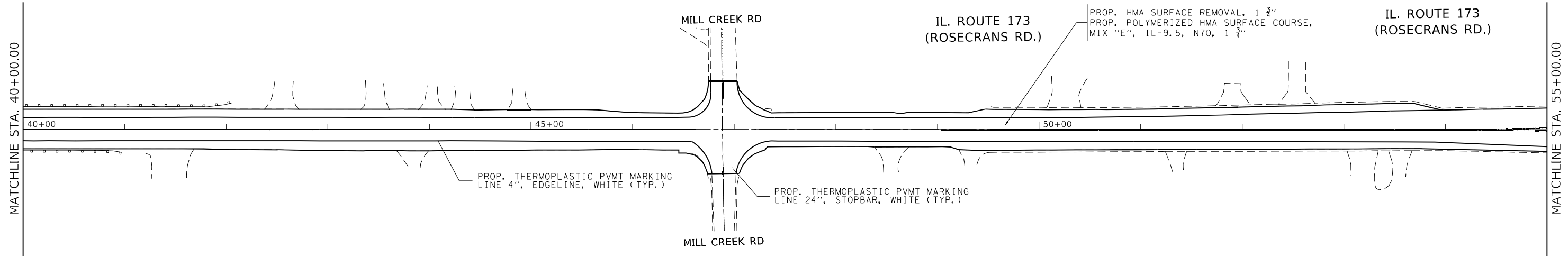
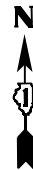
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE			
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	12611	12611				
44201737	CLASS D PATCHES, TYPE I, 8 INCH	SO YD	5	5				
44201823	CLASS D PATCHES, TYPE I, 15 INCH	SO YD	50	50				
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SO YD	1000	1000				
44201831	CLASS D PATCHES, TYPE III, 15 INCH	SO YD	400	400				
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SO YD	400	400				
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	700	700				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	4	4				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1				
60255500	MANHOLES TO BE ADJUSTED	EACH	4	4				
60260100	INLETS TO BE ADJUSTED	EACH	4	4				
60404950	FRAMES AND GRATES, TYPE 24	EACH	1	1				
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 173 (ROSECRANS RD.) E. OF I-94 TO IL 131
SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2021-028-RS	LAKE	30	3
CONTRACT NO. 62N70				
SCALE: SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



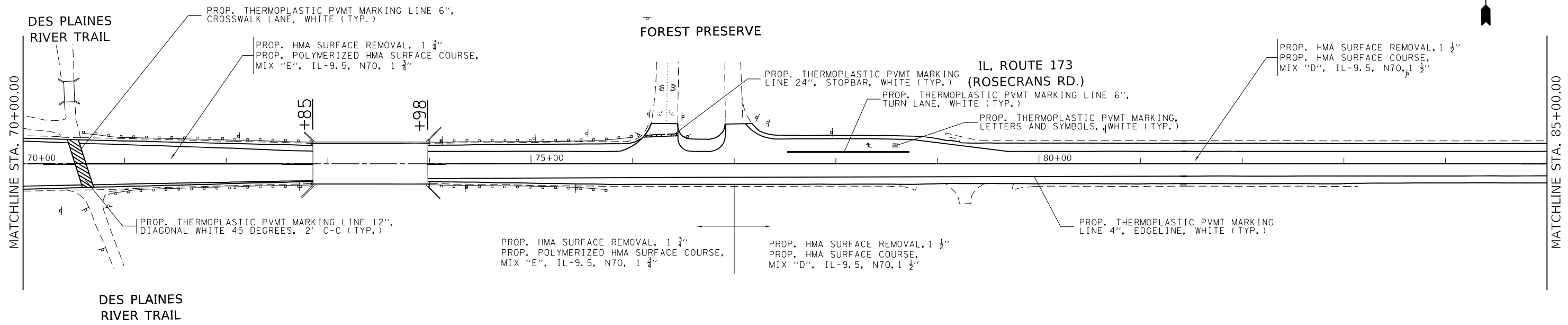
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

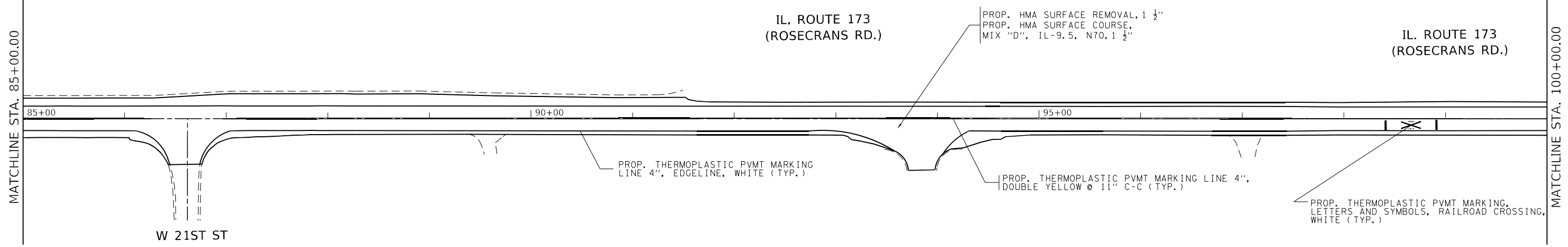
ROADWAY PLAN	
IL-173 (ROSECRANS RD) - E OF I-94 (TRI-STATE TOLLWAY) TO IL-131 (GREEN BAY RD)	
SCALE: 1"=50'	SHEET 2 OF 8 SHEETS STA. 40+00.00 TO STA. 70+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2021-028-R5	LAKE	29	9
CONTRACT NO. 62N70			ILLINOIS FED. AID PROJECT	



MATCHLINE STA. 85+00.00

MATCHLINE STA. 70+00.00



MATCHLINE STA. 100+00.00

MATCHLINE STA. 85+00.00

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
IL-173 (ROSECRANS RD) - E OF I-94 (TRI-STATE TOLLWAY) TO IL-131 (GREEN BAY RD)			
SCALE: 1"=50'	SHEET 3	OF 8 SHEETS	STA. 70+00.00 TO STA. 100+00.00

F.A.P. RTE. 303	SECTION 2021-028-R5	COUNTY LAKE	TOTAL SHEETS 29	SHEET NO. 10
CONTRACT NO. 62N70			ILLINOIS FED. AID PROJECT	



MATCHLINE STA. 100+00.00

PROP. HMA SURFACE REMOVAL, 1 1/2"
PROP. HMA SURFACE COURSE,
MIX "D", IL-9.5, N70, 1 1/2"

IL. ROUTE 173
(ROSECRANS RD.)

IL. ROUTE 173
(ROSECRANS RD.)

PROP. THERMOPLASTIC PVMT MARKING
LINE 24", STOPBAR, WHITE (TYP.)

PROP. THERMOPLASTIC PVMT MARKING
LINE 4", EDGE LINE, WHITE (TYP.)

PROP. THERMOPLASTIC PVMT MARKING,
LETTERS AND SYMBOLS, RAILROAD CROSSING,
WHITE (TYP.)

MATCHLINE STA. 115+00.00



MATCHLINE STA. 115+00.00

IL. ROUTE 173
(ROSECRANS RD.)

PROP. HMA SURFACE REMOVAL, 1 1/2"
PROP. HMA SURFACE COURSE,
MIX "D", IL-9.5, N70, 1 1/2"

PROP. THERMOPLASTIC PVMT MARKING
LINE 4", EDGE LINE, WHITE (TYP.)

PROP. THERMOPLASTIC PVMT MARKING LINE 4",
DOUBLE YELLOW @ 11" C-C (TYP.)

MATCHLINE STA. 130+00.00

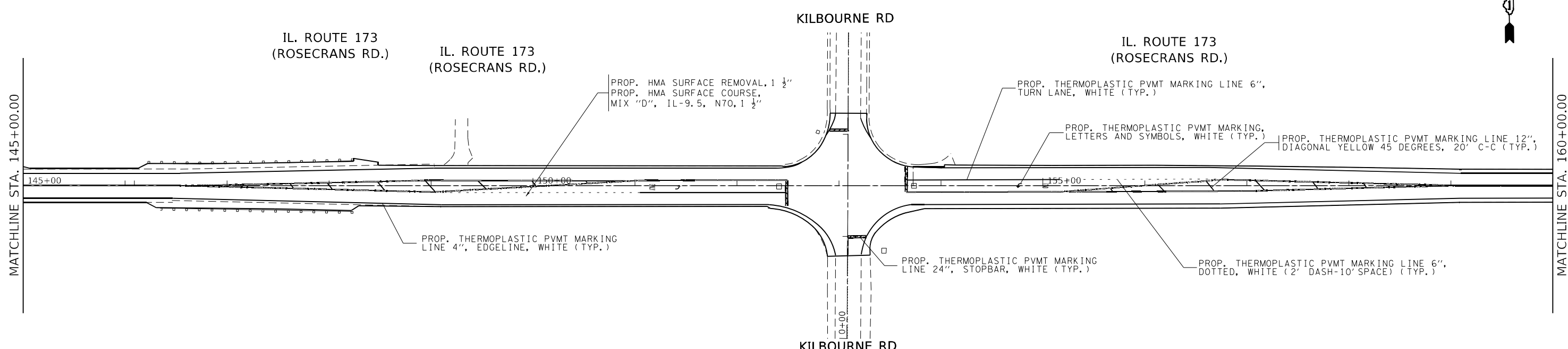
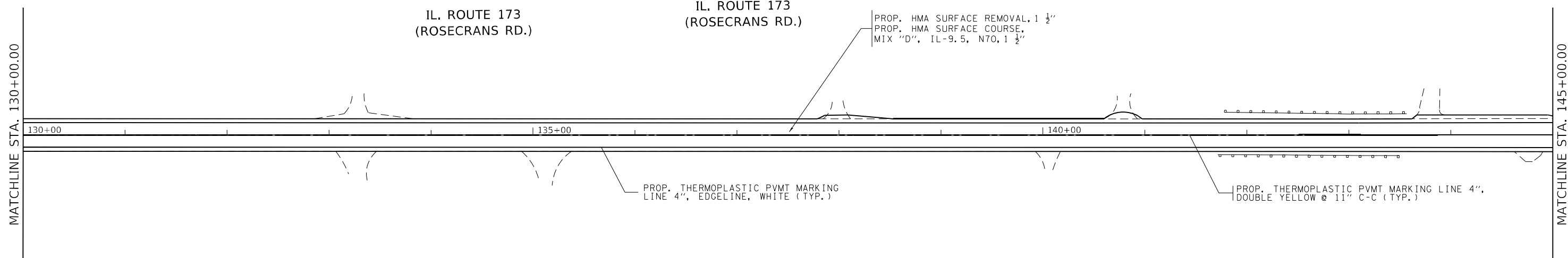
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN	
IL-173 (ROSECRANS RD) - E OF I-94 (TRI-STATE TOLLWAY) TO IL-131 (GREEN BAY RD)	
SCALE: 1"=50'	SHEET 4 OF 8 SHEETS STA. 100+00.00 TO STA. 130+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2021-028-R5	LAKE	29	11
CONTRACT NO. 62N70			ILLINOIS FED. AID PROJECT	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL-173 (ROSECRANS RD) - E OF I-94 (TRI-STATE TOLLWAY) TO IL-131 (GREEN BAY RD)
 SCALE: 1"=50' SHEET 5 OF 8 SHEETS STA. 130+00.00 TO STA. 160+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62N70			ILLINOIS FED. AID PROJECT	

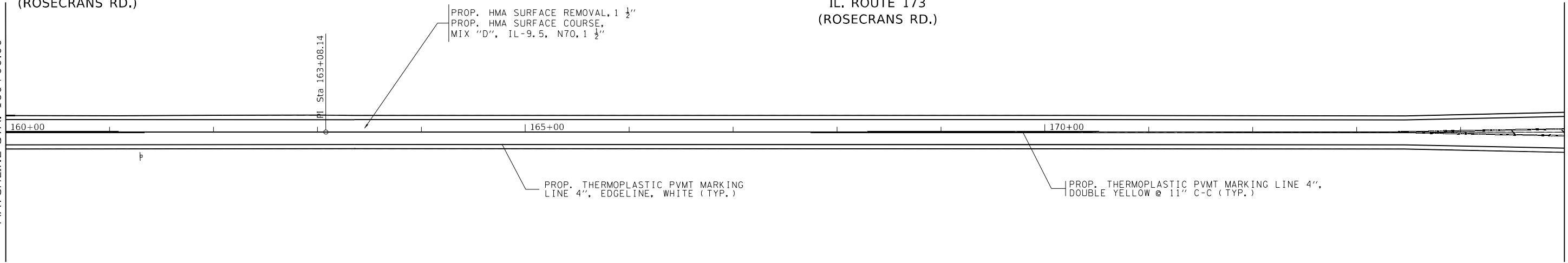


IL. ROUTE 173
(ROSECRANS RD.)

IL. ROUTE 173
(ROSECRANS RD.)

MATCHLINE STA. 160+00.00

MATCHLINE STA. 175+00.00

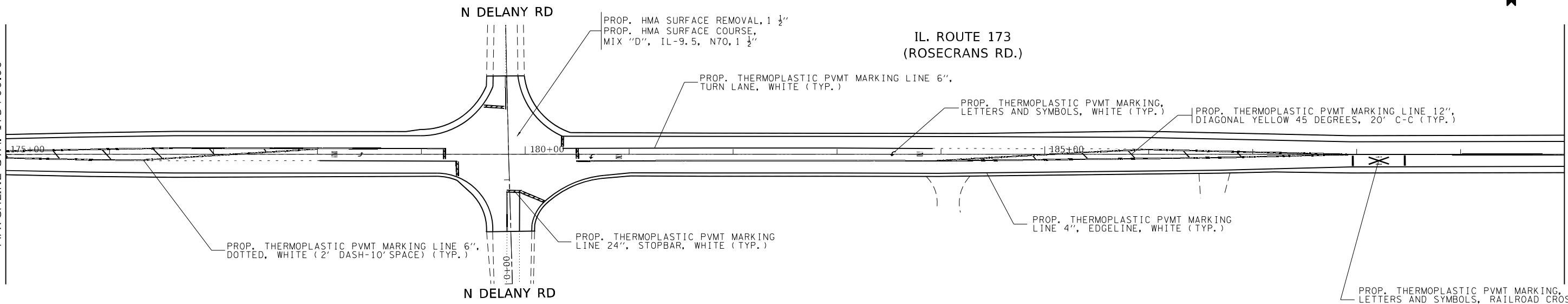


N DELANY RD

IL. ROUTE 173
(ROSECRANS RD.)

MATCHLINE STA. 175+00.00

MATCHLINE STA. 190+00.00



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PLOT DATE = 3/11/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN	
IL-173 (ROSECRANS RD) - E OF I-94 (TRI-STATE TOLLWAY) TO IL-131 (GREEN BAY RD)	
SCALE: 1"=50'	SHEET 6 OF 8 SHEETS STA. 160+00.00 TO STA. 190+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2021-028-R5	LAKE	29	13
CONTRACT NO. 62N70			ILLINOIS FED. AID PROJECT	



IL. ROUTE 173
(ROSECRANS RD.)

MATCHLINE STA. 220+00.00

MATCHLINE STA. 235+00.00

PROP. HMA SURFACE REMOVAL, 1 1/2"
PROP. HMA SURFACE COURSE,
MIX "D", IL-9.5, N70, 1 1/2"

PROP. THERMOPLASTIC PVMT MARKING LINE 12",
DIAGONAL YELLOW 45 DEGREES, 20' C-C (TYP.)

PROP. THERMOPLASTIC PVMT MARKING
LINE 4", EDGE LINE, WHITE (TYP.)

PROP. THERMOPLASTIC PVMT MARKING LINE 4",
DOUBLE YELLOW @ 11' C-C (TYP.)



IMPROVEMENT ENDS
STA 237+65

IL. ROUTE 131
(N. GREEN BAY RD.)

IL. ROUTE 173
(ROSECRANS RD.)

MATCHLINE STA. 235+00.00

PROP. HMA SURFACE REMOVAL, 1 1/2"
PROP. HMA SURFACE COURSE,
MIX "D", IL-9.5, N70, 1 1/2"

PROP. THERMOPLASTIC PVMT MARKING LINE 6",
TURN LANE, WHITE (TYP.)

PROP. THERMOPLASTIC PVMT MARKING,
LETTERS AND SYMBOLS, WHITE (TYP.)

PROP. THERMOPLASTIC PVMT MARKING LINE 6",
DOTTED, WHITE (2' DASH-10' SPACE) (TYP.)

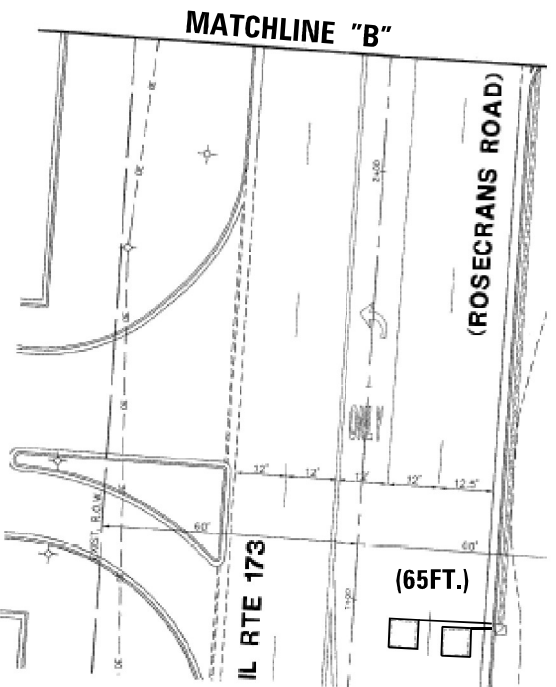
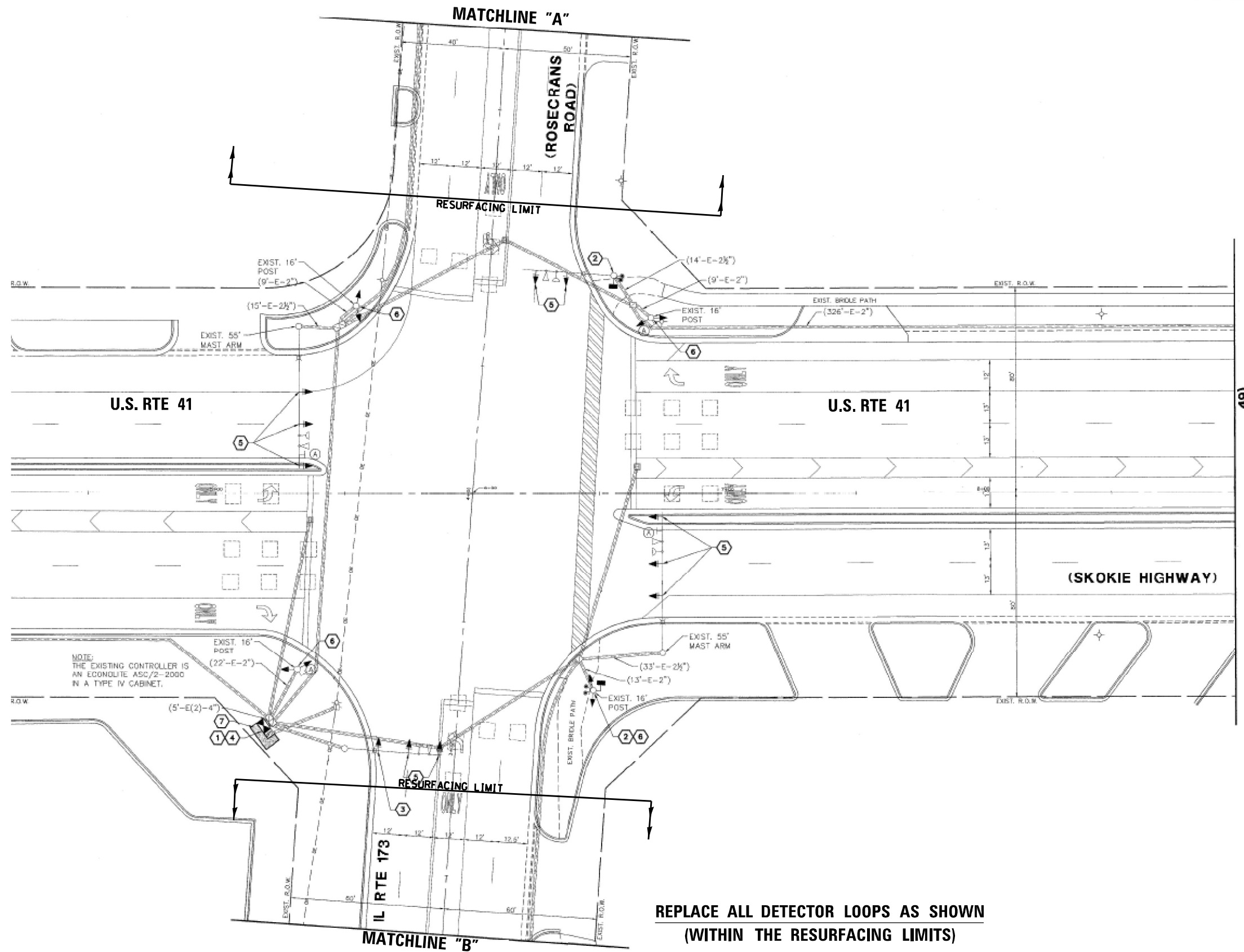
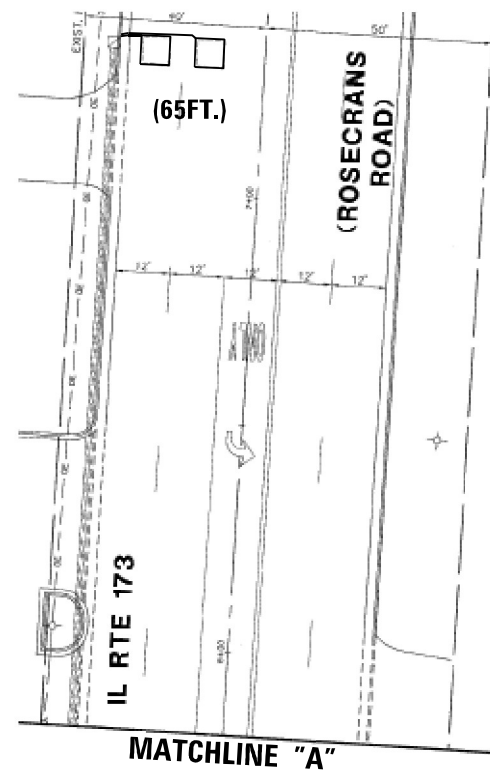
IL. ROUTE 131
(N. GREEN BAY RD.)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL-173 (ROSECRANS RD) - E OF I-94 (TRI-STATE TOLLWAY) TO IL-131 (GREEN BAY RD.)
SCALE: 1"=50' SHEET 8 OF 8 SHEETS STA. 220+00.00 TO STA. 243+90.08

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2021-028-R5	LAKE	29	15
CONTRACT NO. 62N70			ILLINOIS FED. AID PROJECT	

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NOTE:
THE EXISTING CONTROLLER IS
AN EGNOLITE ASC/2-2000
IN A TYPE IV CABINET.

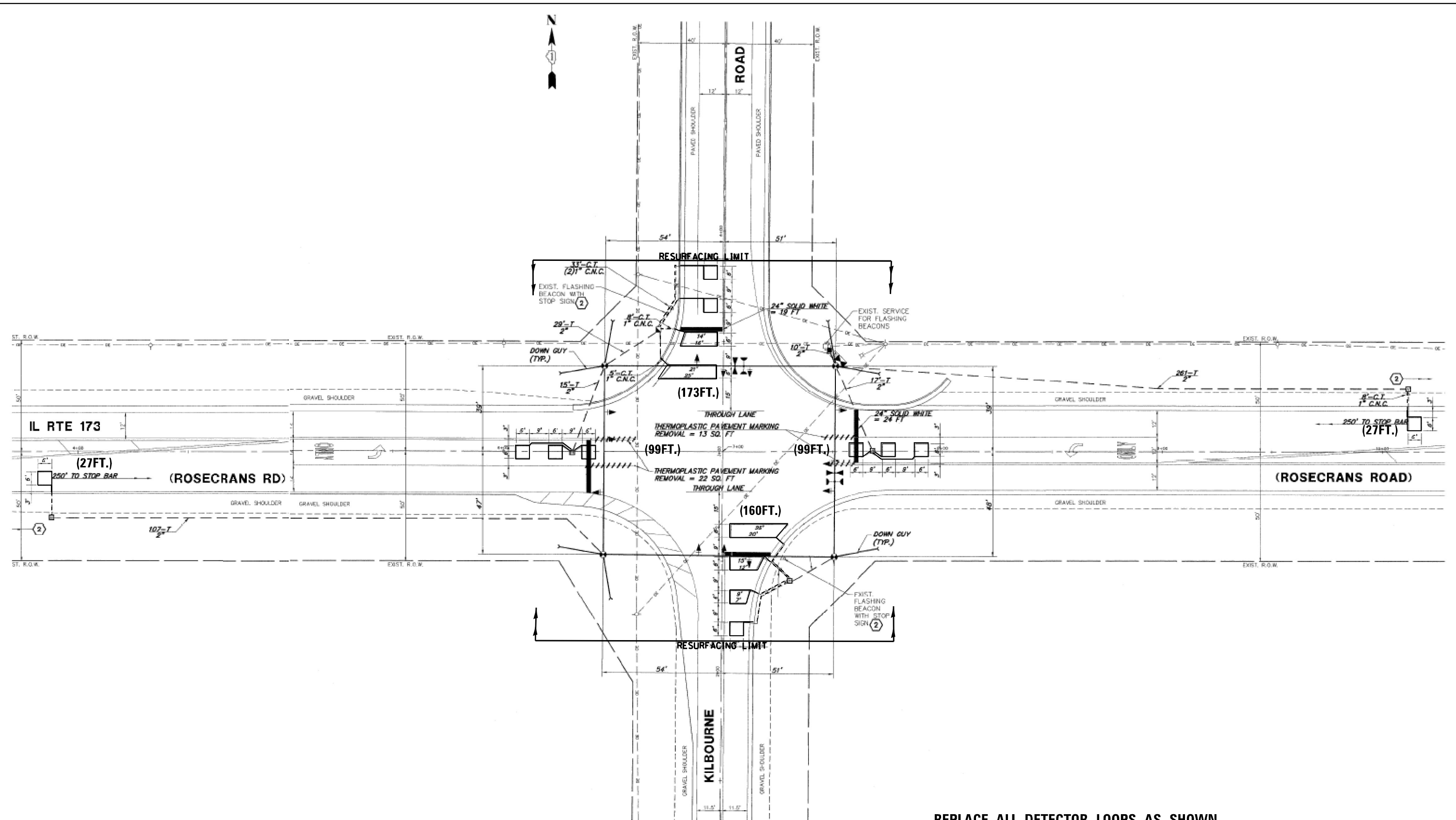
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

CODE	ITEM	QUANTITY	UNIT	TS#6560
88600600	DETECTOR LOOP REPLACEMENT	130	FOOT	

FILE NAME =	USER NAME = mezag	DESIGN - Steven M. Nguyen	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 173 (ROSECRANS RD.) AT US 41	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 40.0004' / in.	DATE - 07/02/2021	REVISIONS				CONTRACT NO. 62N70			ILLINOIS FED. AID PROJECT	
Default	PLOT DATE = 7/6/2021	DATE - 07/02/2021	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.



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

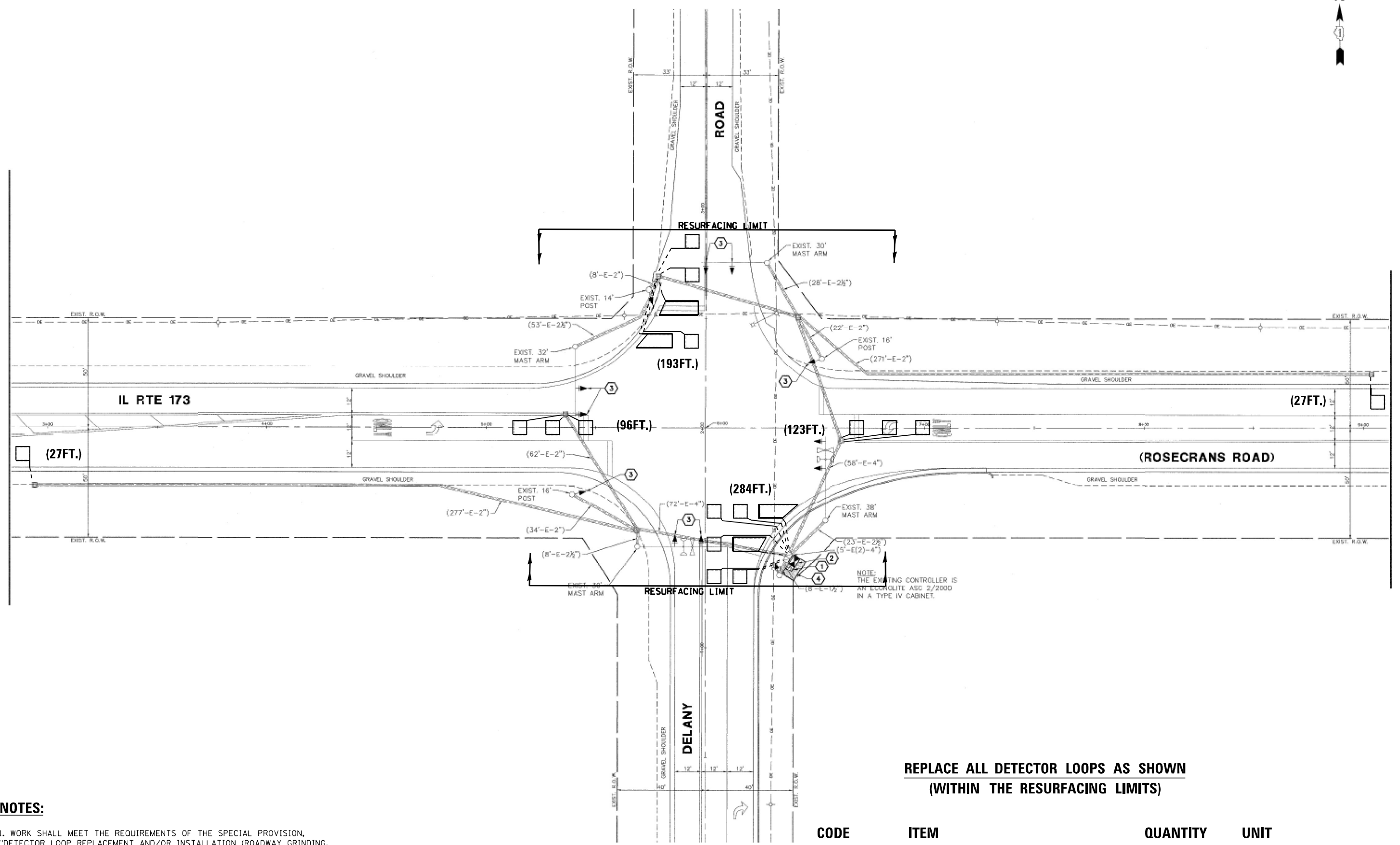
NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	585	FOOT

TS#7133

FILE NAME =	USER NAME = mezag	DESIGN - Steven M. Nguyen	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 173 (ROSECRANS RD.) AT KILBOURNE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 40.0002' / in.	DATE - 07/02/2021	REVISED -			CONTRACT NO. 62N70				
	PLOT DATE = 7/6/2021					SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		



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

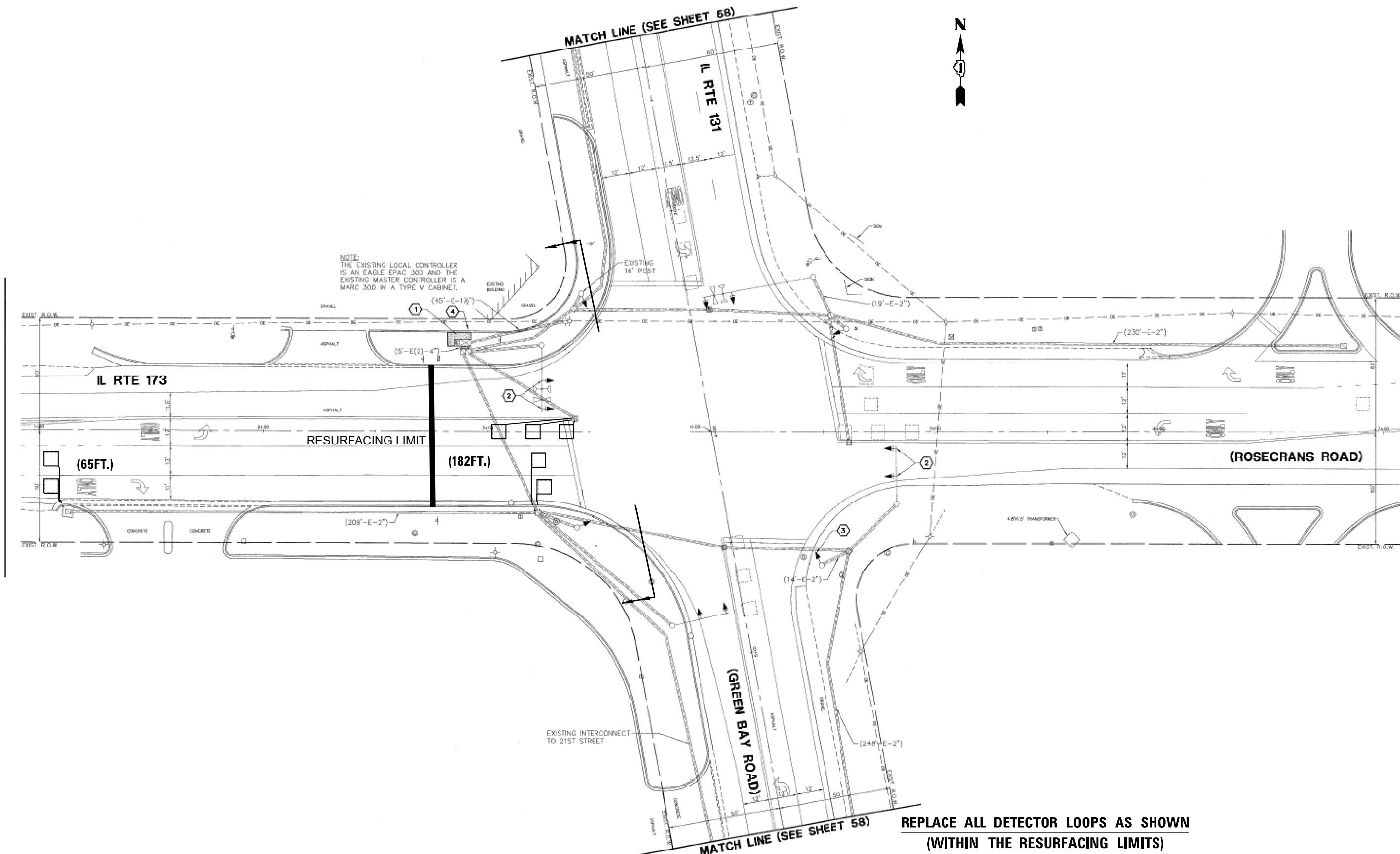
NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	750	FOOT

TS#7132

FILE NAME =	USER NAME = mezag	DESIGN - Steven M. Nguyen	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 173 (ROSECRANS RD.) AT N DELANY RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		DATE - 07/02/2021	REVISED -			303	2021-028-RS	LAKE	30	18
						CONTRACT NO. 62N70		ILLINOIS FED. AID PROJECT		



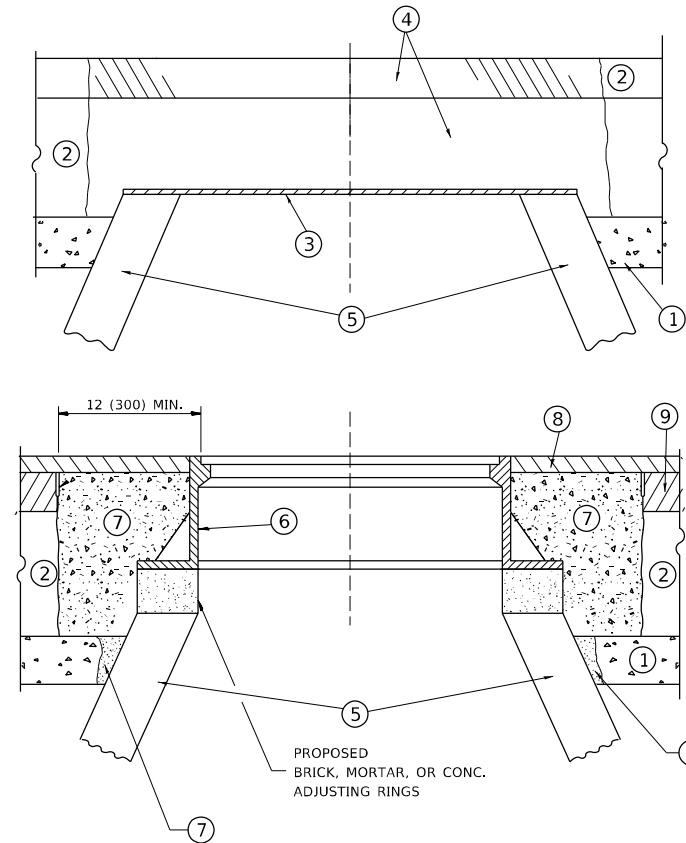
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

CODE	ITEM	QUANTITY	UNIT	TS#7050
88600600	DETECTOR LOOP REPLACEMENT	65	FOOT	

FILE NAME :	USER NAME = mezag	DESIGN - Steven M. Nguyen	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 173 (ROSECRANS RD.) AT IL 131 (N GREEN BAY RD.)	F.A.P. RTE. 303	SECTION 2021-028-RS	COUNTY LAKE	TOTAL SHEETS 30	SHEET NO. 19
CONTRACT NO. 62N70	SCALE:	SHEET OF SHEETS	STA. TO STA.			ILLINOIS FED. AID PROJECT				
PLOT DATE = 7/7/2021	CHECKED - Steven M. Nguyen	REVISOR -								
DATE - 07/02/2021	DATE -	REVISOR -								



NOTES

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.

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.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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.

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 A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

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

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)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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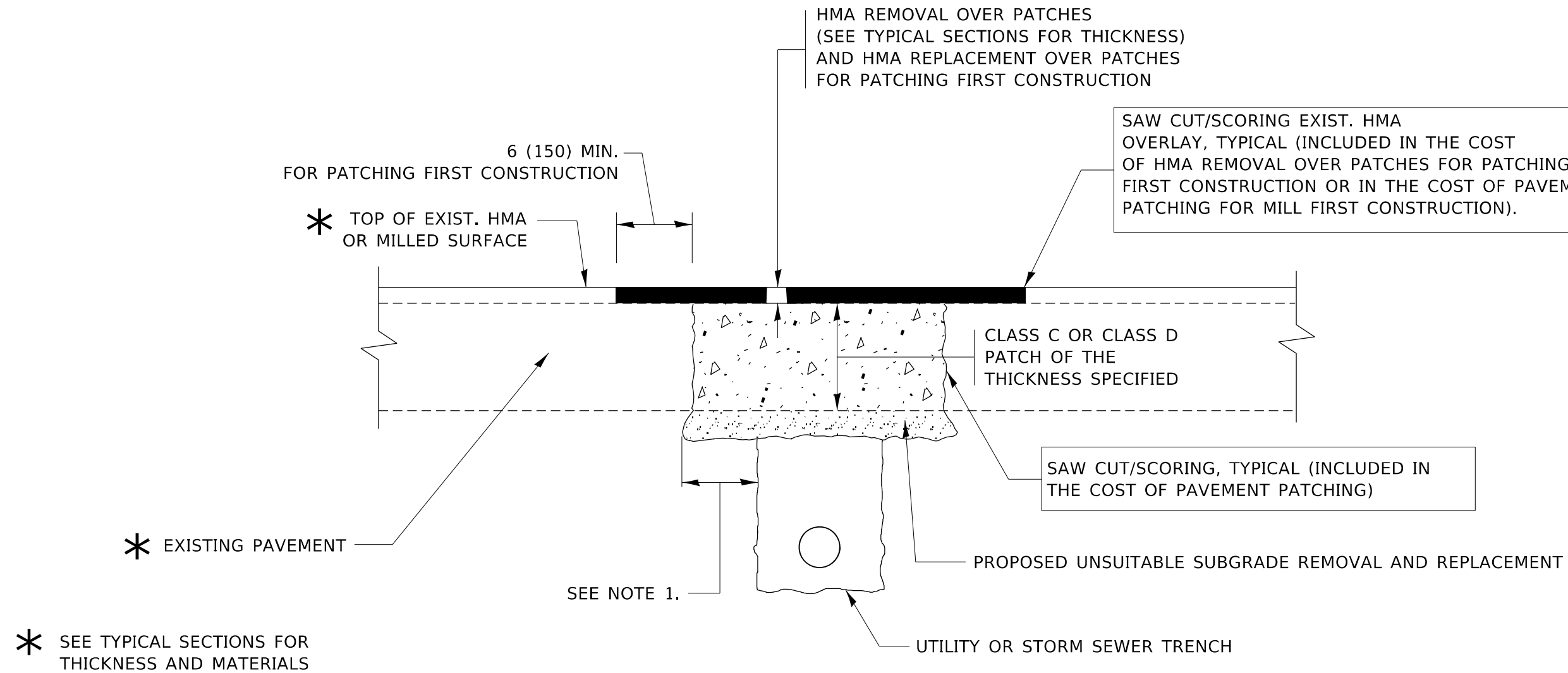
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
PLOT DATE = 2/1/2022	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2021-028-R5	LAKE	30	20
BD600-03 (BD-8)			CONTRACT NO.	62N70
ILLINOIS FED. AID PROJECT				



NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

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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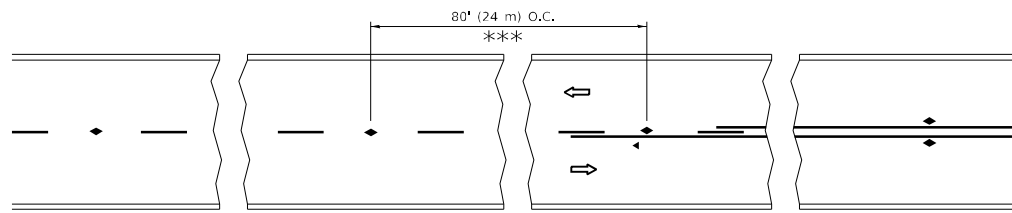
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PLOT DATE = 2/1/2022	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

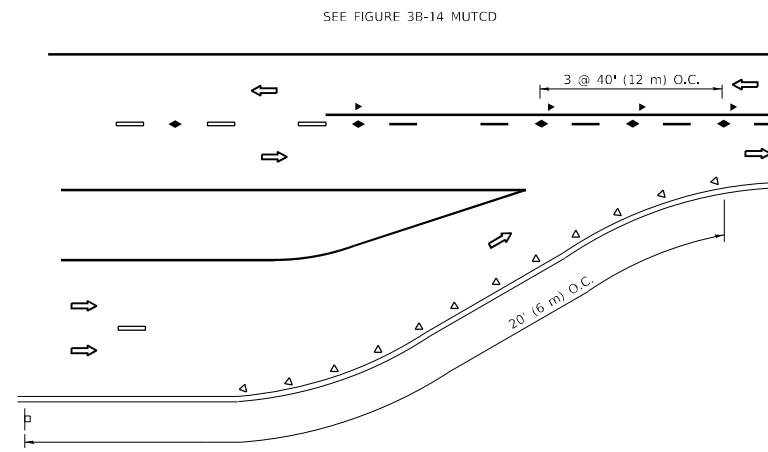
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-04 (BD-22)		CONTRACT NO. 62N70		
ILLINOIS FED. AID PROJECT				

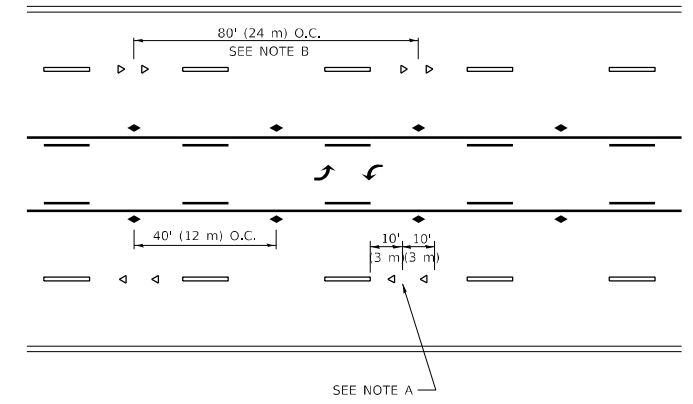


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

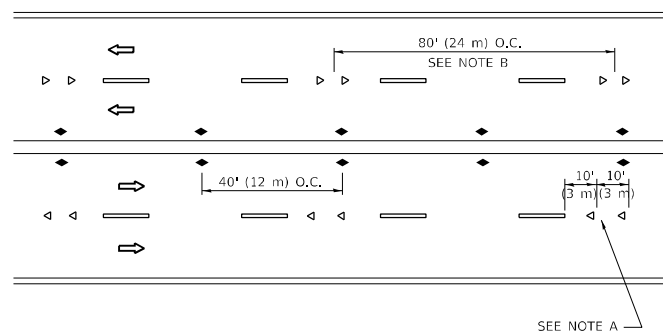
TWO-LANE/TWO-WAY



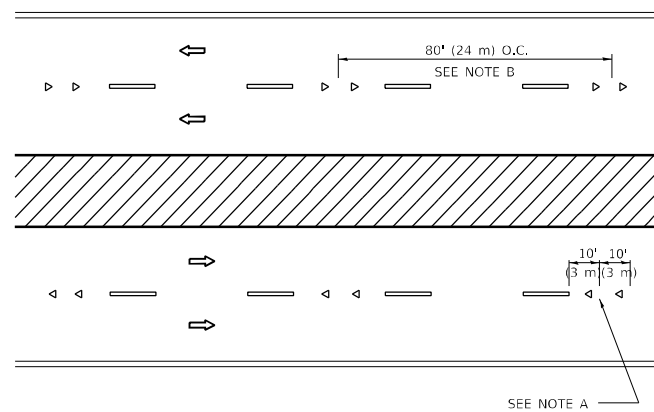
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

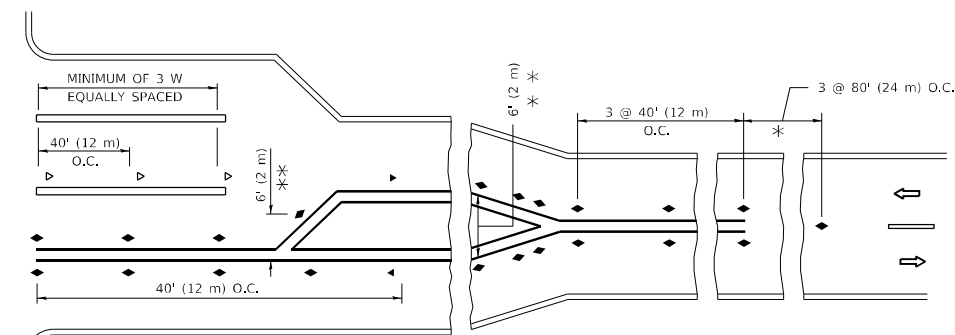
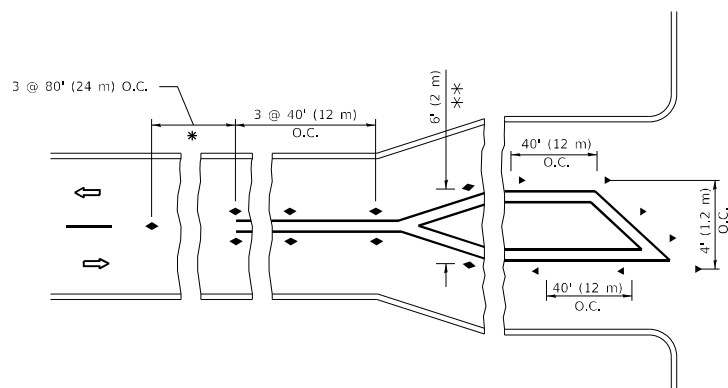
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



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

TURN LANES

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

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USER NAME = guillaumefp	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 2/1/2022	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE. 303	SECTION 2021-028-R5	COUNTY LAKE	TOTAL SHEETS 30	SHEET NO. 25
TC-11		CONTRACT NO. 62N70		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

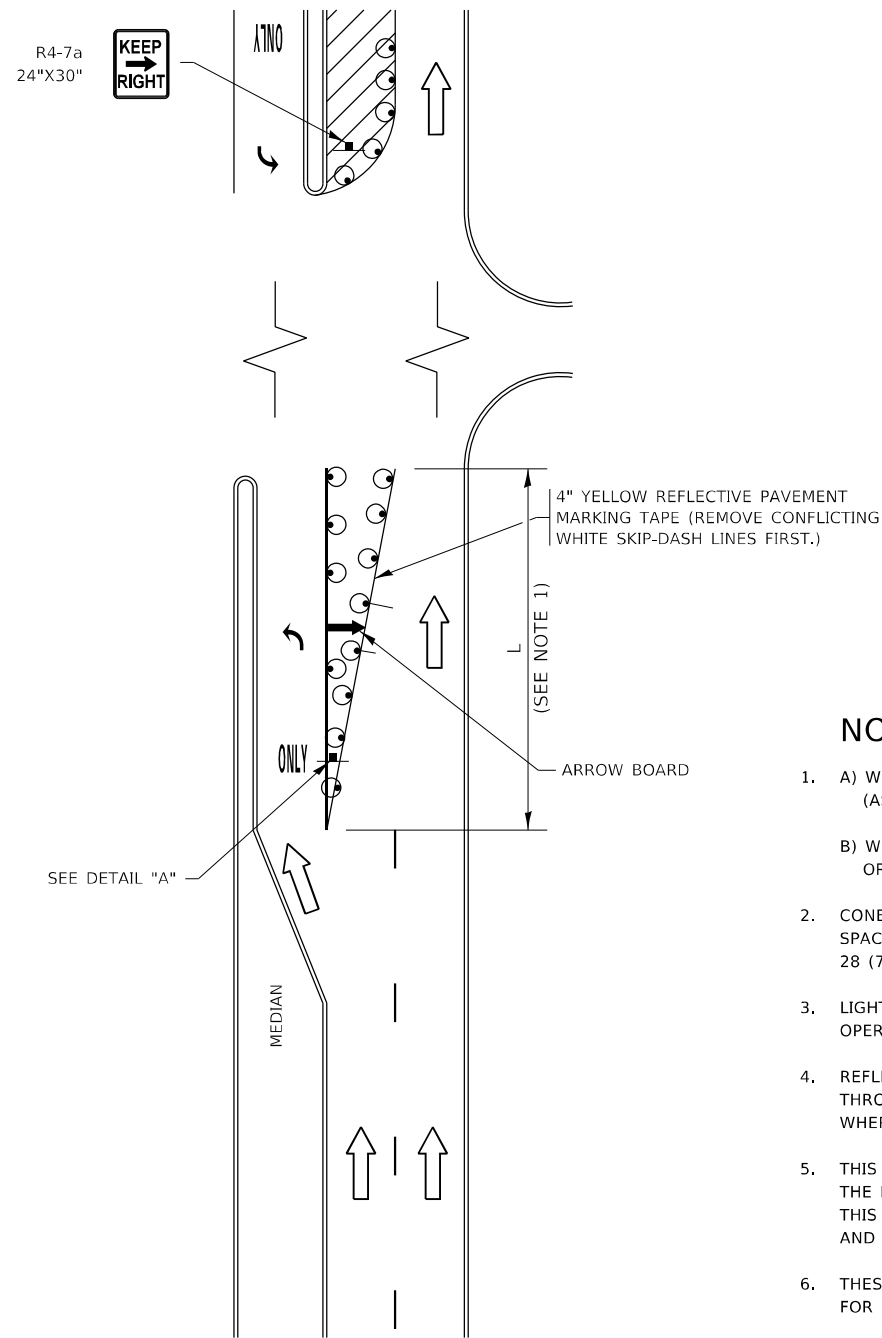


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

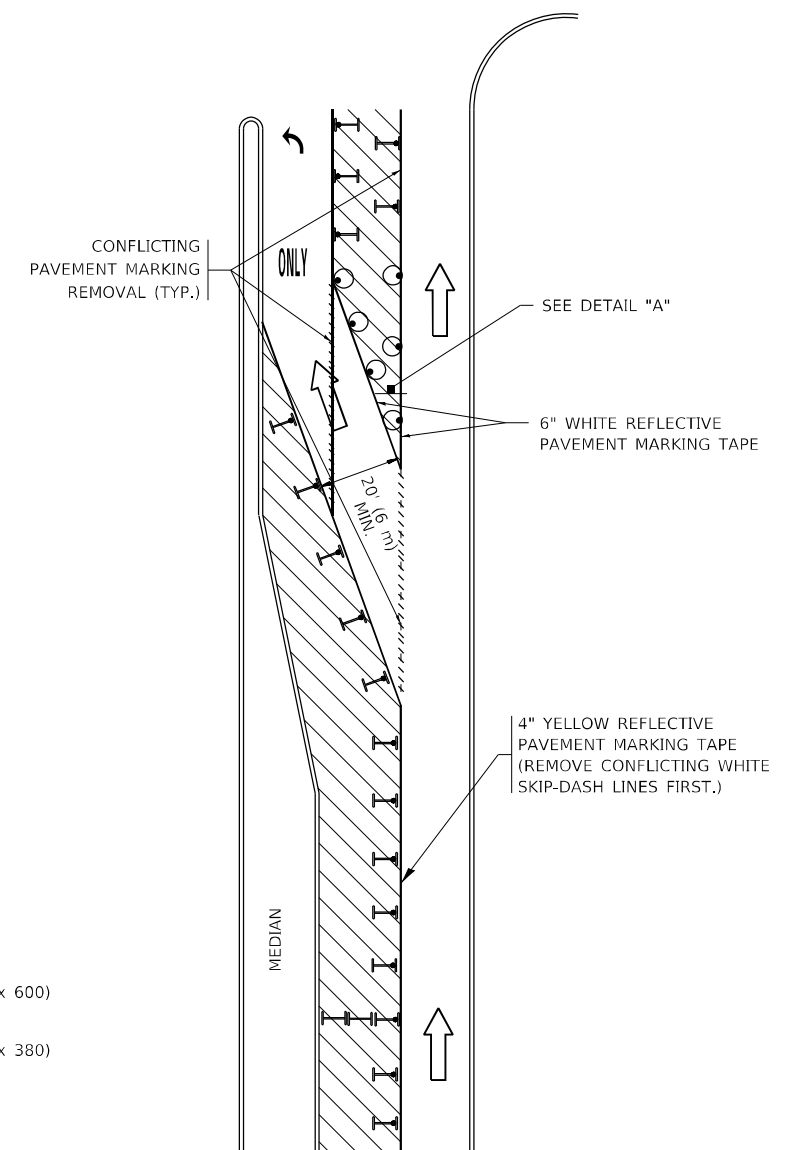


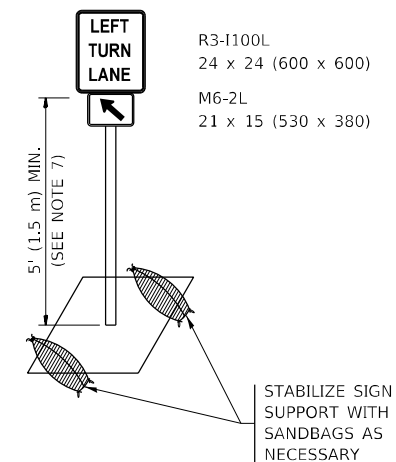
FIGURE 2

LEGEND

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

NOTES:

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



DETAIL A

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

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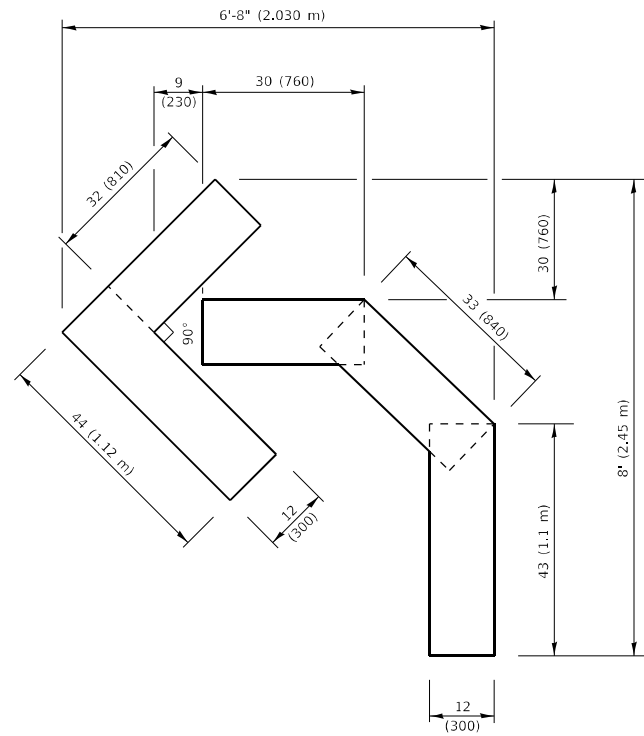
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PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 2/1/2022	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

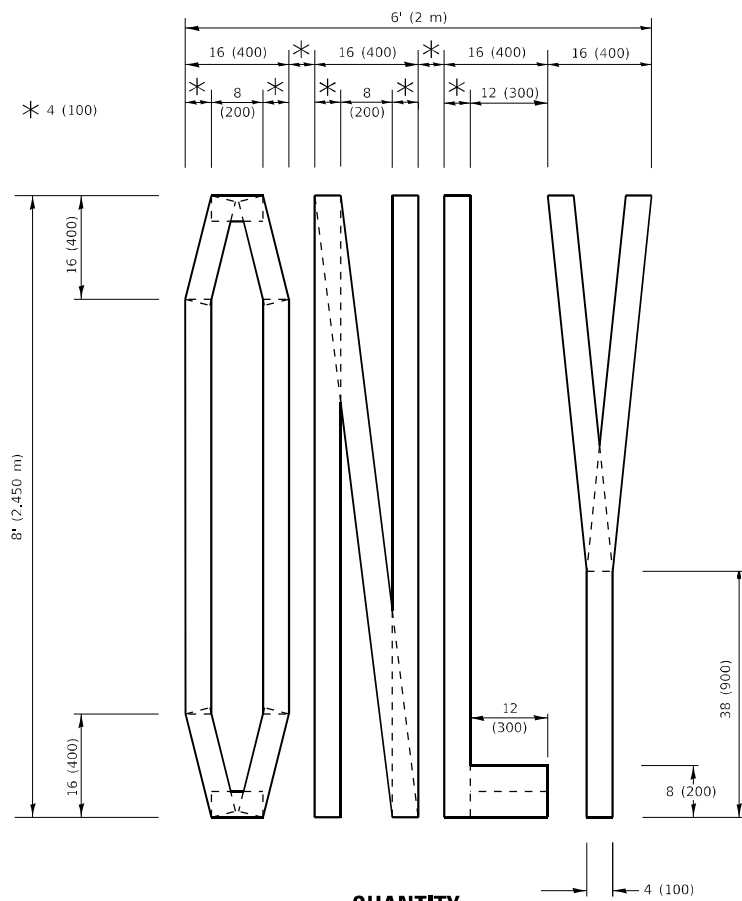
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	2021-028-R5	LAKE	30	27
TC-14		CONTRACT NO. 62N70		
ILLINOIS FED. AID PROJECT				



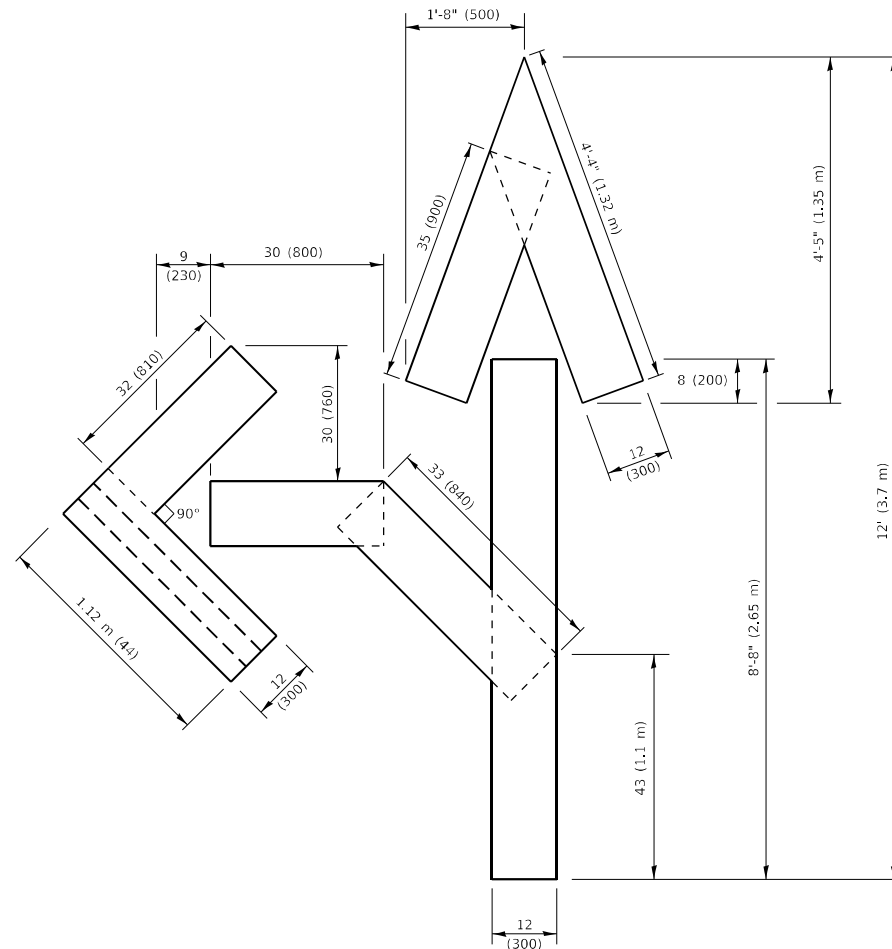
QUANTITY

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



QUANTITY

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

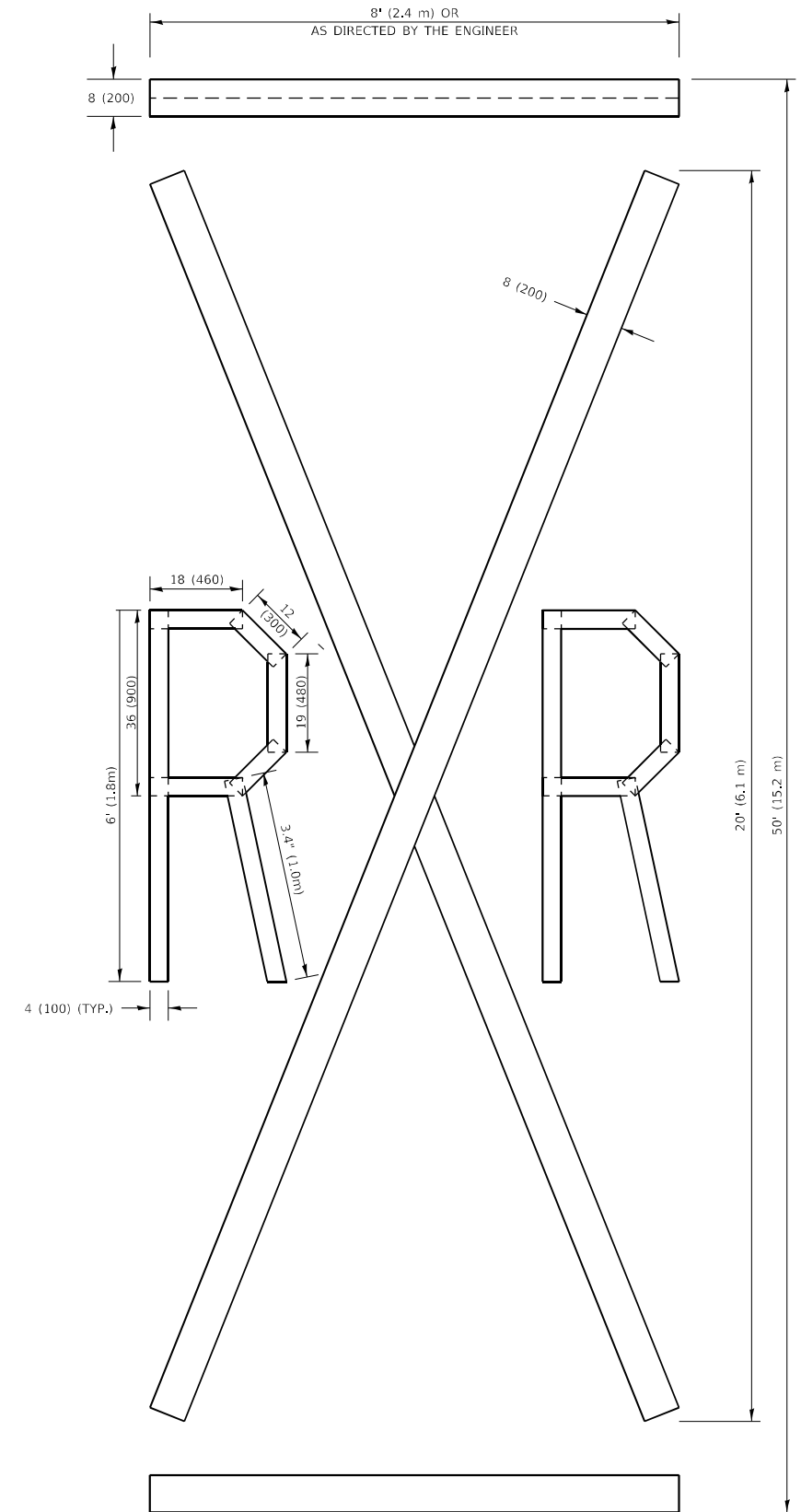


QUANTITY

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

NOTE:

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



QUANTITY

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

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

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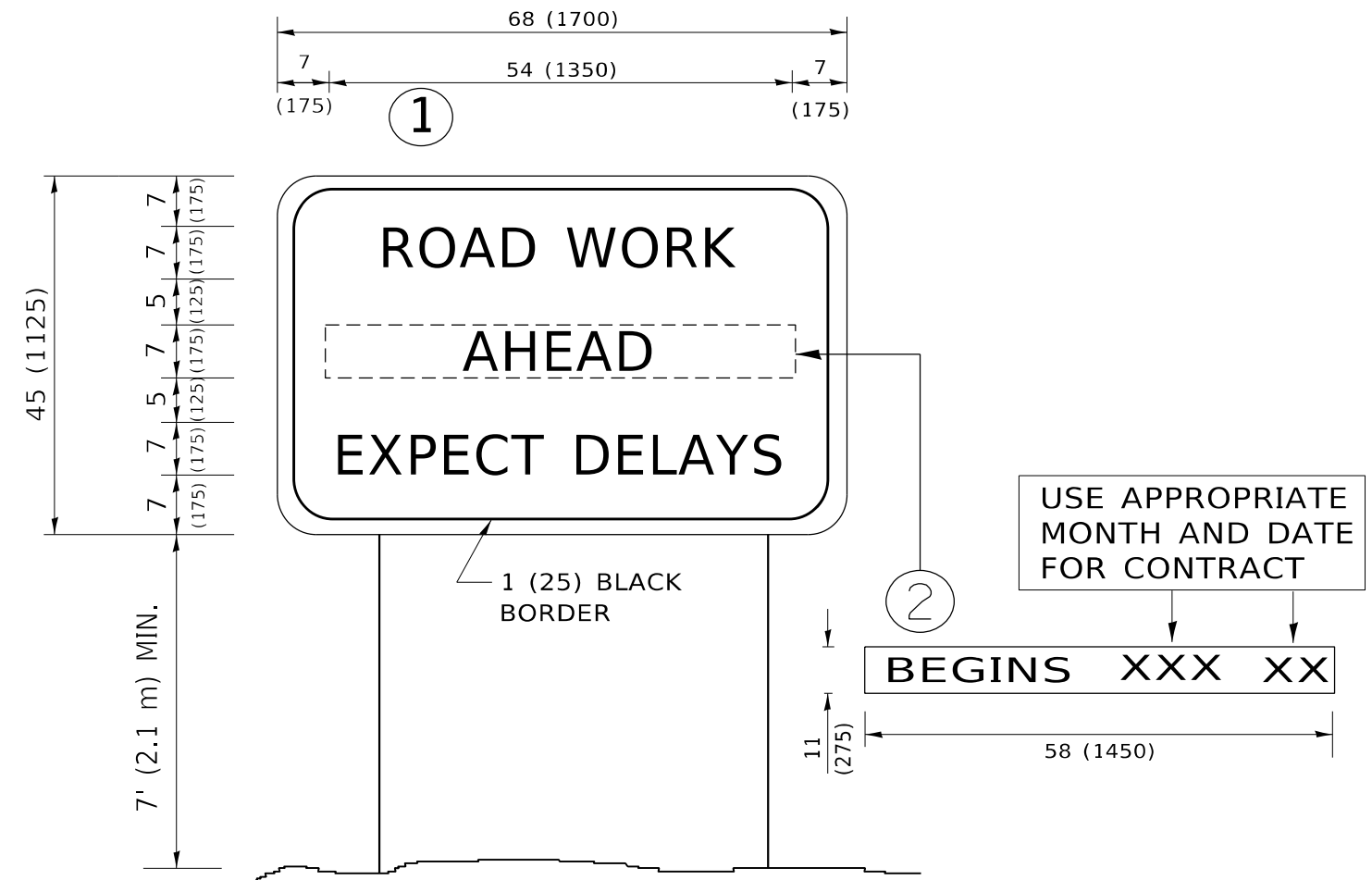
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PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISOR - E. GOMEZ 08-28-00
PLOT DATE = 2/1/2022	CHECKED -	REVISOR - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISOR - A. SCHUETZE 09-15-16

**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.
303	2021-028-R5	LAKE	30	28
TC-16			CONTRACT NO. 62N70	
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.

MODEL: Default
 FILE: \\mari... \public\paw.bentley.com\PIV\DOT\Documents\DOT Office\District 11\Project\112021\CADD\data\Design\BRTStu.dgn

USER NAME = guillaumefp	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 2/1/2022	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.
303	2021-028-R5	LAKE	30	29
TC-22			CONTRACT NO. 62N70	
ILLINOIS FED. AID PROJECT				

