

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-099-1	DUPAGE	16	1
		ILLINOIS	CONTRACT NO. 62L77	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGES OF LOMBARD, ADDISON, AND VILLA PARK

PROPOSED
HIGHWAY PLANS

F.A.P ROUTE 307: ILLINOIS ROUTE 64 (NORTH AVE.)
ILLINOIS ROUTE 53 (ROHLWING RD.) TO VILLA AVE.
SECTION: 2020-099-1
CRACK AND JOINT SEALING
DUPAGE COUNTY

C-91-296-20

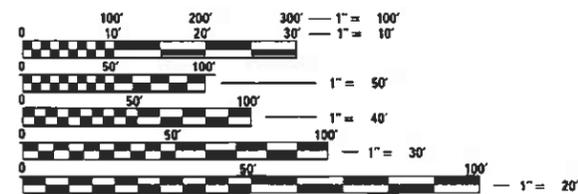
TRAFFIC DATA:

IL 64 (NORTH AVE.)
2019 - ADT = 41,100 - 45,900
SPEED LIMIT = 40 - 45 MPH



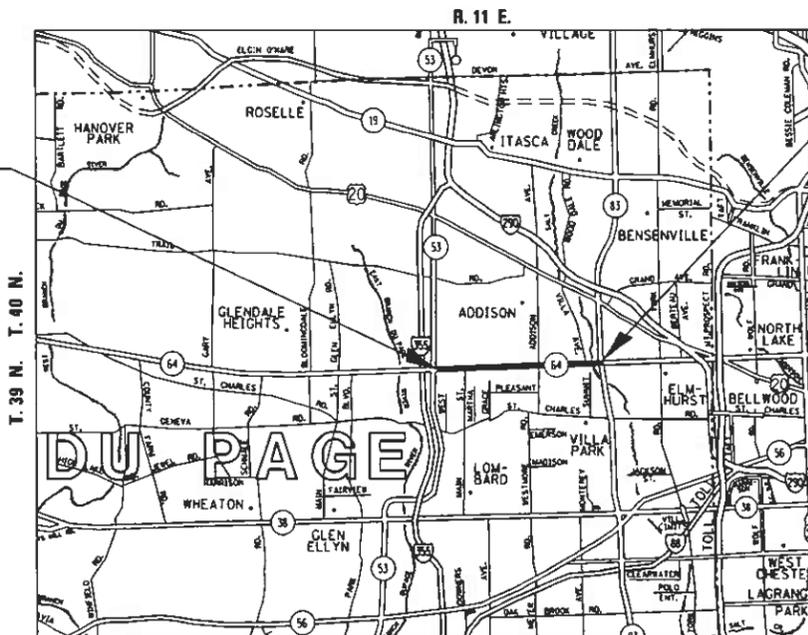
PROJECT BEGINS
STA 262 + 25.8

PROJECT ENDS
STA 428 + 94.2



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



ADDISON AND YORK TOWNSHIPS

GROSS LENGTH = 16,668.40 FT. = 3.157 MILE
NET LENGTH = 16,668.40 FT. = 3.157 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 20 20
Anthony J. Shingler / ORS REGIONAL ENGINEER
December 4, 2020

[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT
December 4, 2020

[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

PROJECT ENGINEER: DAN WILGREEN (847) 705-4240
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247
CONTRACT NO. 62L77

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-9	PROPOSED PLANS AND PAVEMENT MARKING PLANS
10	CRACK AND JOINT SEALING DETAIL
11	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
12	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
13	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
14	ARTERIAL ROAD INFORMATION SIGNING (TC-22)
15-16	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS (TC-23)

STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > OR = 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS < OR = 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE 1W OR 2W WITH NONTRANSVERSABLE MEDIAN
701701-10	URBAN SINGLE 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 (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES OF THE VILLAGES OF LOMBARD, ADDISON, AND VILLA PARK.
- 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.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR VIA EMAIL Kalpana.Kannan-Hosadurga@illinois.gov (FOR ARTERIALS) AND (847) 705-4151 (FOR EXPRESSWAYS) A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- ALL JOINT AND CRACK FILLING LOCATIONS WILL BE DETERMINATED IN THE FIELD BY TH ENGINEER.
- PREFORMED PLASTIC PAVEMENT MARKING, TYPE B AND MODIFIED URETHANE PAVEMENT MARKING SHALL BE PLACED IMMEDIATELY AFTER CRACK AND SEALER TEMPERATURE HAS COOLED DOWN AND DOES NOT AFFECT THE APPLICATION OF PREFORMED PLASTIC PAVEMENT MARKING, TYPE B AND MODIFIED URETHANE PAVEMENT MARKING.
- THE ENGINEER SHALL CONTACT DON CHIARUGI AREA TRAFFIC FIELD ENGINEER AT Don.Chiarugi@illinois.gov A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL USE EXTRA CARE AND PRECAUTION WHEN WORKING NEAR THE RAILROAD TRACKS.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

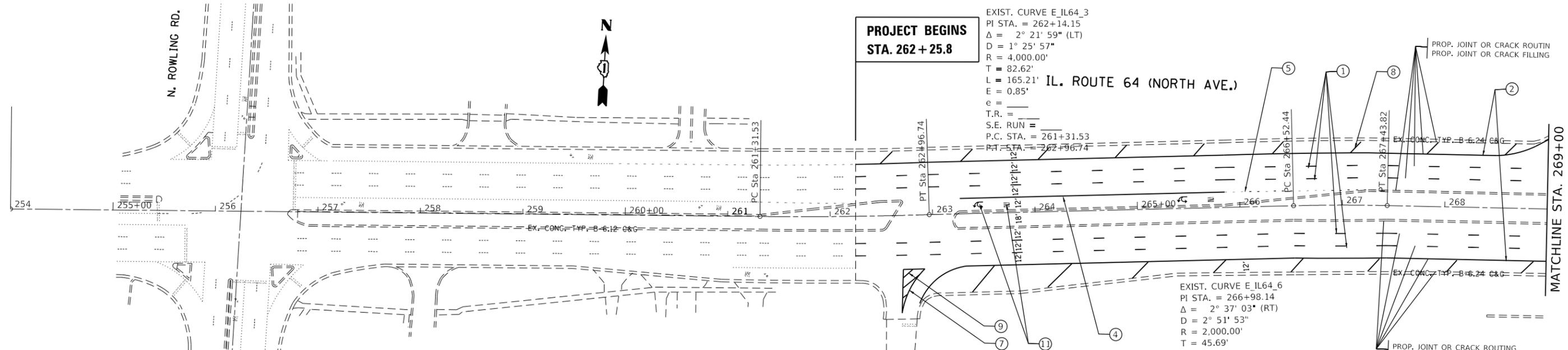
INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
IL RTE 64 (NORTH AVE.) (IL RTE 53 (ROHLWING RD.) TO VILLA AVE.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-099-I	DUPAGE	16	2
CONTRACT NO. 62L77			ILLINOIS FED. AID PROJECT	

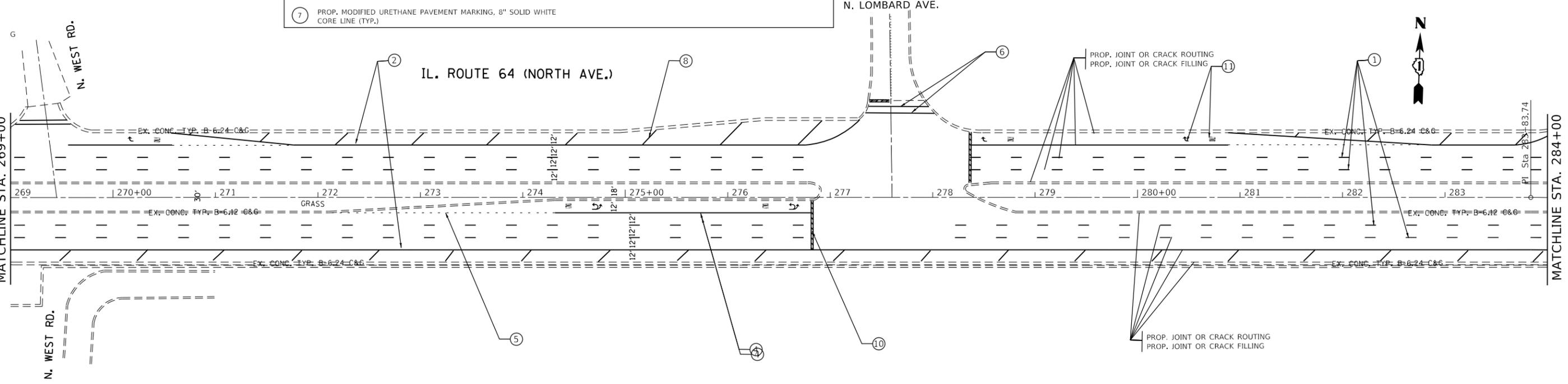
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45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	203587	203587					* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	2277	2277				
45200300	JOINT OR CRACK FILLING	POUND	58165	58165					* X2700003	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	15000	15000				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					* X2700004	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7"	FOOT	15000	15000				
67100100	MOBILIZATION	L SUM	1	1					Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1													
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1													
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	5048	5048													
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	16278	16278													
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	23446	23446													
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1266	1266													
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	3503	3503													
	* SPECIALTY ITEMS																

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PAVEMENT MARKING LEGEND

1 PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, 7" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)	8 PROP. MODIFIED URETHANE PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE @ 75° C-C (TYP.)
2 PROP. MODIFIED URETHANE PAVEMENT MARKING, 4" SOLID WHITE EDGE LINE (TYP.)	9 PROP. MODIFIED URETHANE PAVEMENT MARKING, 12" SOLID WHITE GORE MARKING @ 45 DEG. (TYP.)
3 PROP. MODIFIED URETHANE PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)	10 PROP. MODIFIED URETHANE PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
4 PROP. MODIFIED URETHANE PAVEMENT MARKING, 6" SOLID WHITE LINE (TYP.)	11 PROP. MODIFIED URETHANE PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
5 PROP. MODIFIED URETHANE PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2" DASH - 6' SKIP (TYP.)	12 PROP. MODIFIED URETHANE PAVEMENT MARKING, 6" SOLID WHITE GORE MARKING AND CHANNELIZING LINE (TYP.)
6 PROP. MODIFIED URETHANE PAVEMENT MARKING, 6" SOLID WHITE CROSSWALK LINE (TYP.)	
7 PROP. MODIFIED URETHANE PAVEMENT MARKING, 8" SOLID WHITE CORE LINE (TYP.)	



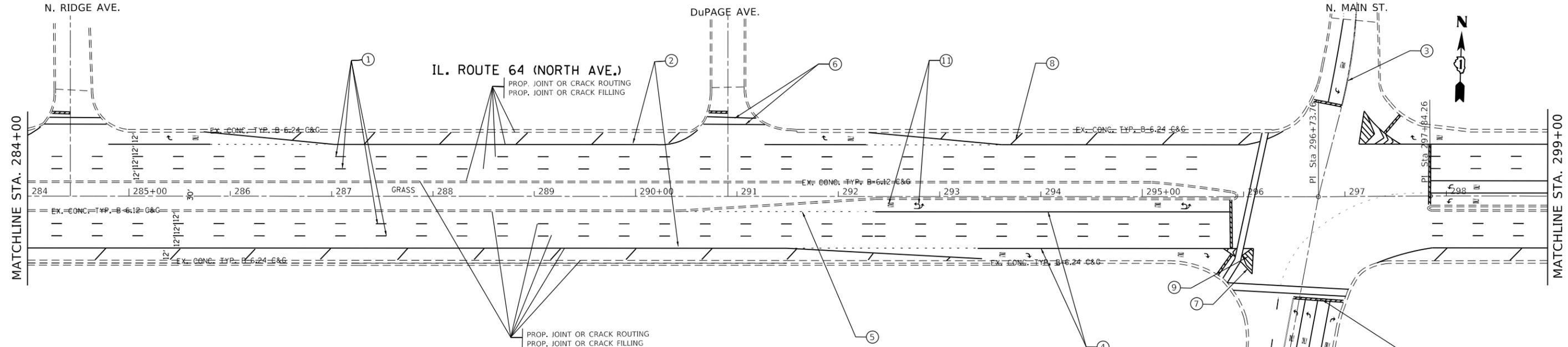
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN IL ROUTE 64 (NORTH AVE.)
 (IL ROUTE 53 (ROHLWING RD.) TO VILLA AVE.)**

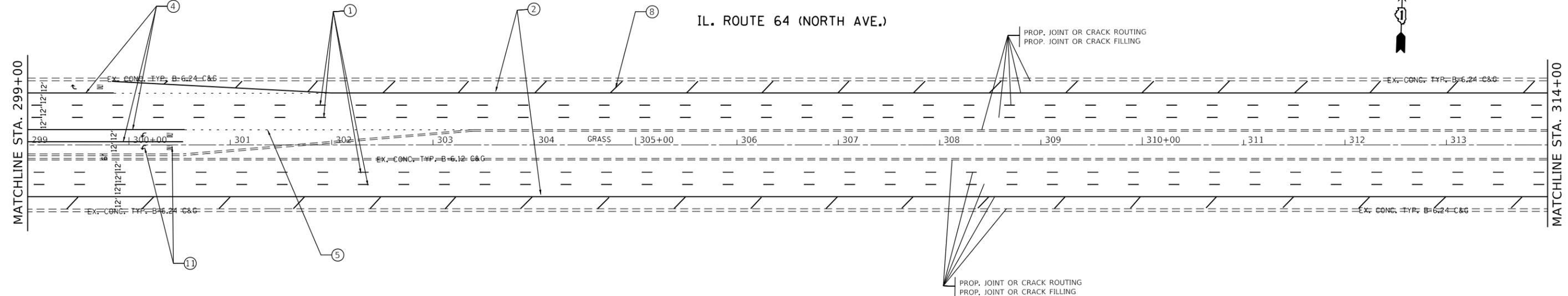
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F.A.P. RTE. 307	SECTION 2020-099-I	COUNTY DuPAGE	TOTAL SHEETS 16	SHEET NO. 4
CONTRACT NO. 62L77			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

① PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, 7" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)	⑧ PROP. MODIFIED URETHANE PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE @ 75' C-C (TYP.)
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⑦ PROP. MODIFIED URETHANE PAVEMENT MARKING, 8" SOLID WHITE CORE LINE (TYP.)	



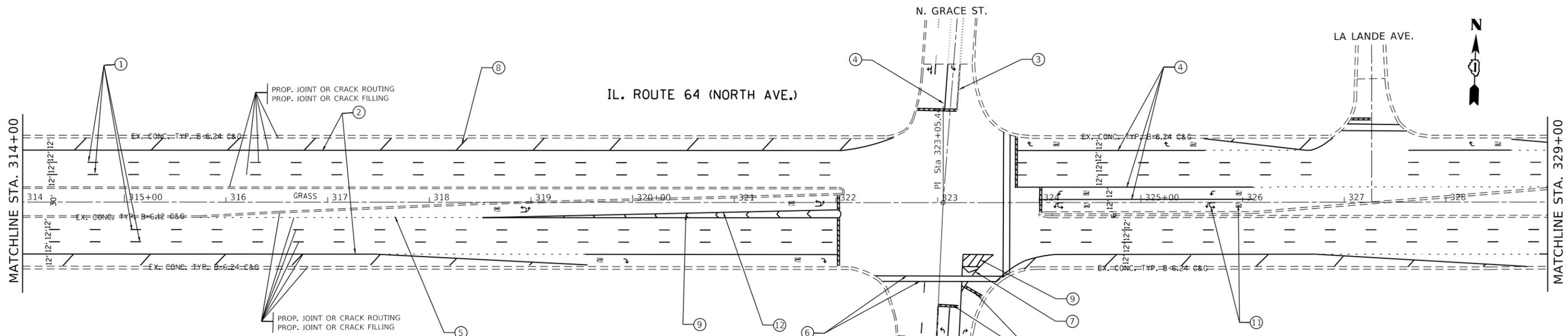
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

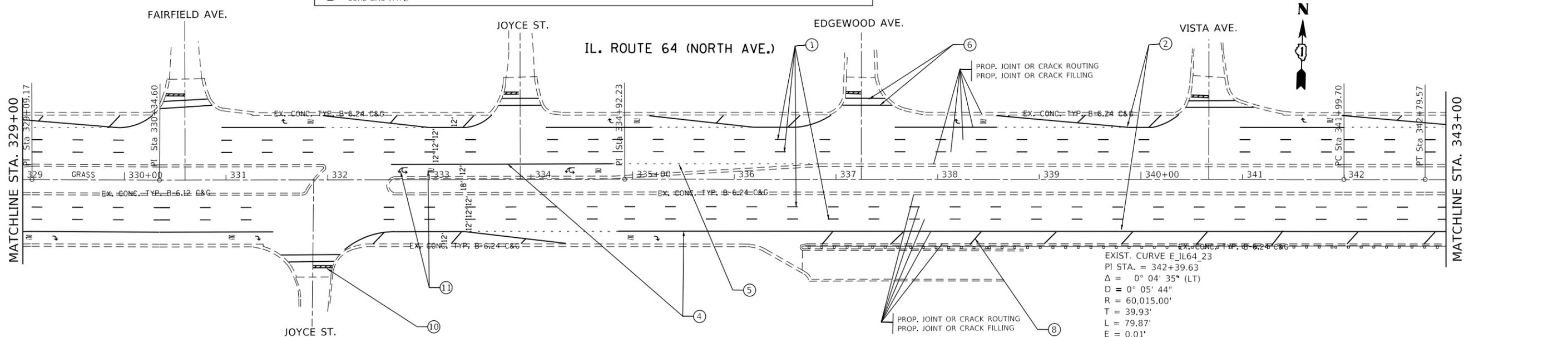
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SCALE: 1"=50'	SHEET OF SHEETS STA. 284+00 TO STA. 314+00

F.A.P. RTE. 307	SECTION 2020-099-I	COUNTY DuPAGE	TOTAL SHEETS 16	SHEET NO. 5
CONTRACT NO. 62L77			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

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⑦ PROP. MODIFIED URETHANE PAVEMENT MARKING, 8" SOLID WHITE CORE LINE (TYP.)	



EXIST. CURVE E_IL64_23
 PI STA. = 342+39.63
 Δ = 0° 04' 35" (LT)
 D = 0° 05' 44"
 R = 60,015.00'
 T = 39.93'
 L = 79.87'
 E = 0.01'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 341+99.70

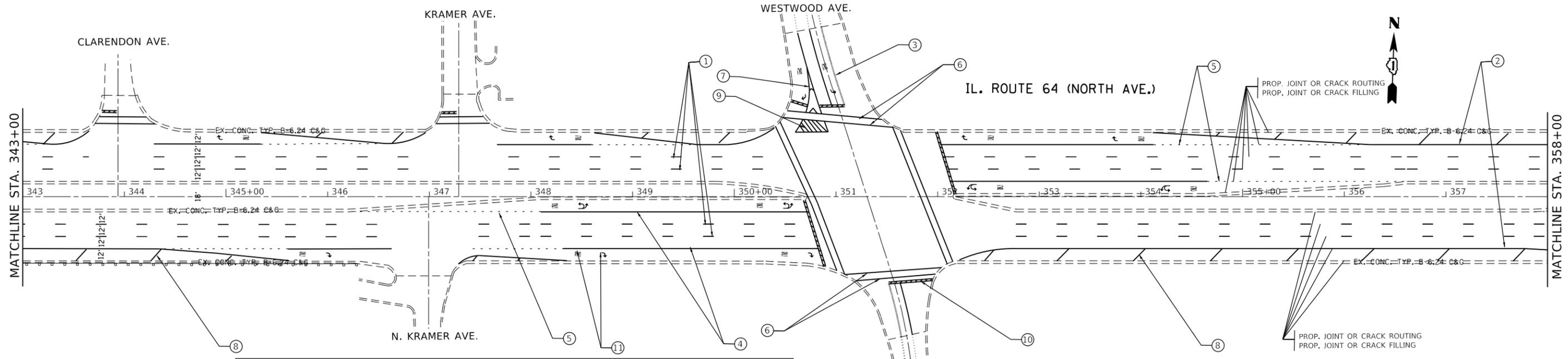
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 CHECKED: 10/14/2020
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

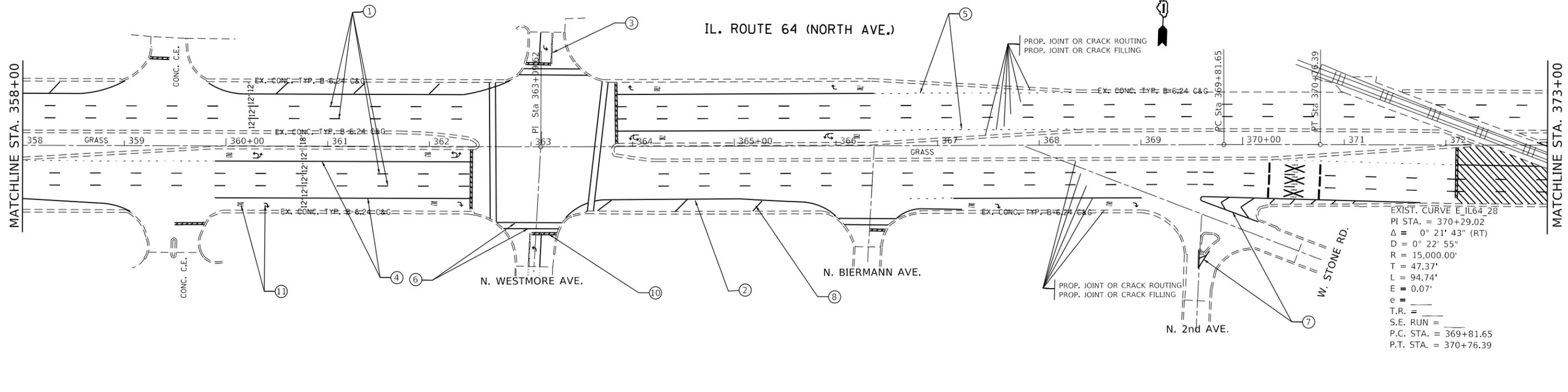
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SCALE: 1"=50'	SHEET OF SHEETS STA. 314+00 TO STA. 343+00

F.A.P. RTE. 307	SECTION 2020-099-I	COUNTY DuPAGE	TOTAL SHEETS 16	SHEET NO. 6
CONTRACT NO. 62L77				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

① PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B, 7" SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP (TYP.)	⑧ PROP. MODIFIED URETHANE PAVEMENT MARKING, 12" DIAGONAL SOLID WHITE LINE @ 75° C-C (TYP.)
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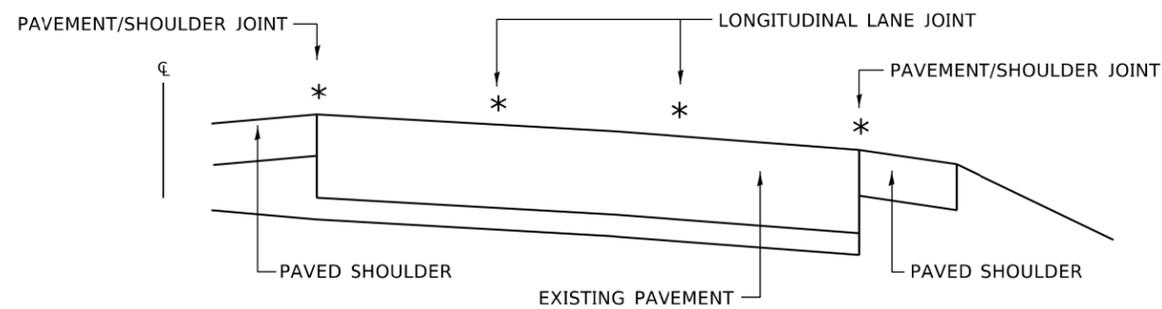
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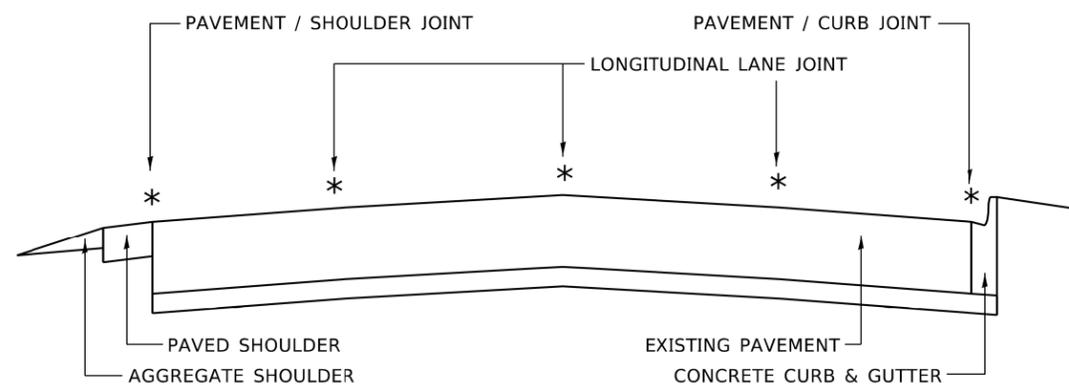
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN IL ROUTE 64 (NORTH AVE.)
(IL ROUTE 53 (ROHLWING RD.) TO VILLA AVE.)**
 SCALE: 1"=50' SHEET OF SHEETS STA. 343+00 TO STA. 373+00

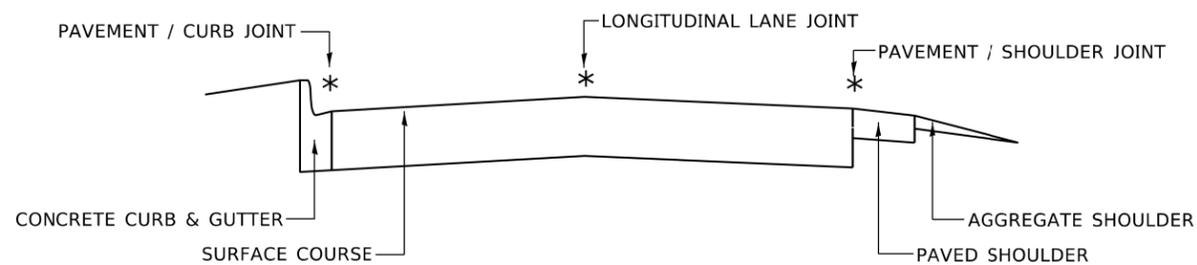
F.A.P. RTE. 307	SECTION 2020-099-I	COUNTY DuPAGE	TOTAL SHEETS 16	SHEET NO. 7
CONTRACT NO. 62L77			ILLINOIS FED. AID PROJECT	



MULTI-LANE DIVIDED PAVEMENT



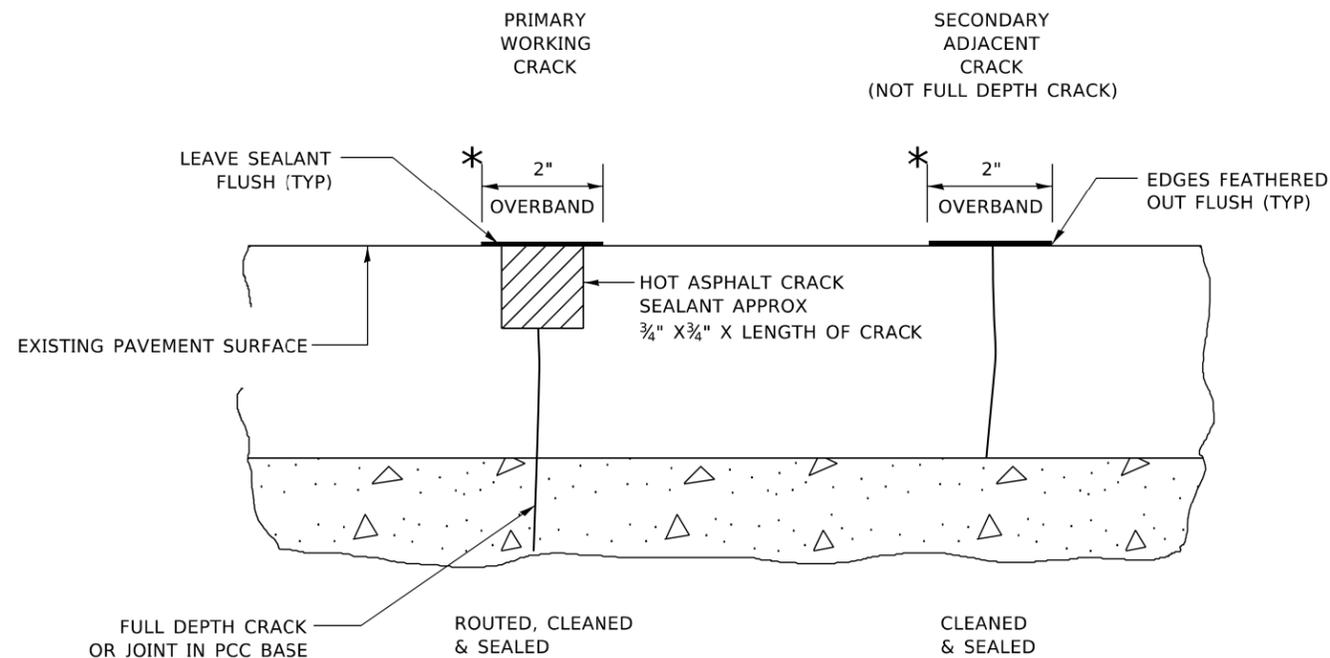
MULTI-LANE UNDIVIDED PAVEMENT



TWO-LANE PAVEMENT

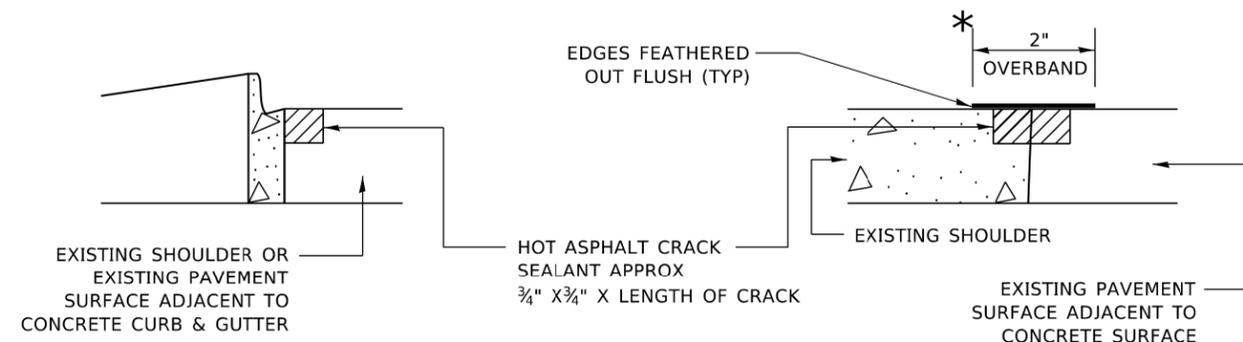
* PROPOSED LONGITUDINAL CRACK ROUTING (PAVEMENT) & CRACK FILLING LOCATIONS

**GENERAL EXISTING TYPICAL SECTIONS
(APPLIES TO HMA AND PCC PAVEMENTS)**



* IN ALL LOCATIONS WHERE THE LONGITUDINAL CRACK CONFLICTS WITH EXISTING PAVEMENT MARKINGS (EITHER EDGE LINE OR LANE LINE) THE CRACK SHALL BE ROUTED & THE RESULTING RESERVOIR FILLED WITH SEALANT. ALL DAMAGES TO EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. ALL EXISTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS SHALL BE RESTORED WITH MODIFIED URETHANE PAVEMENT MARKINGS.

LONGITUDINAL JOINT



CRACK & JOINT SEALING DETAIL

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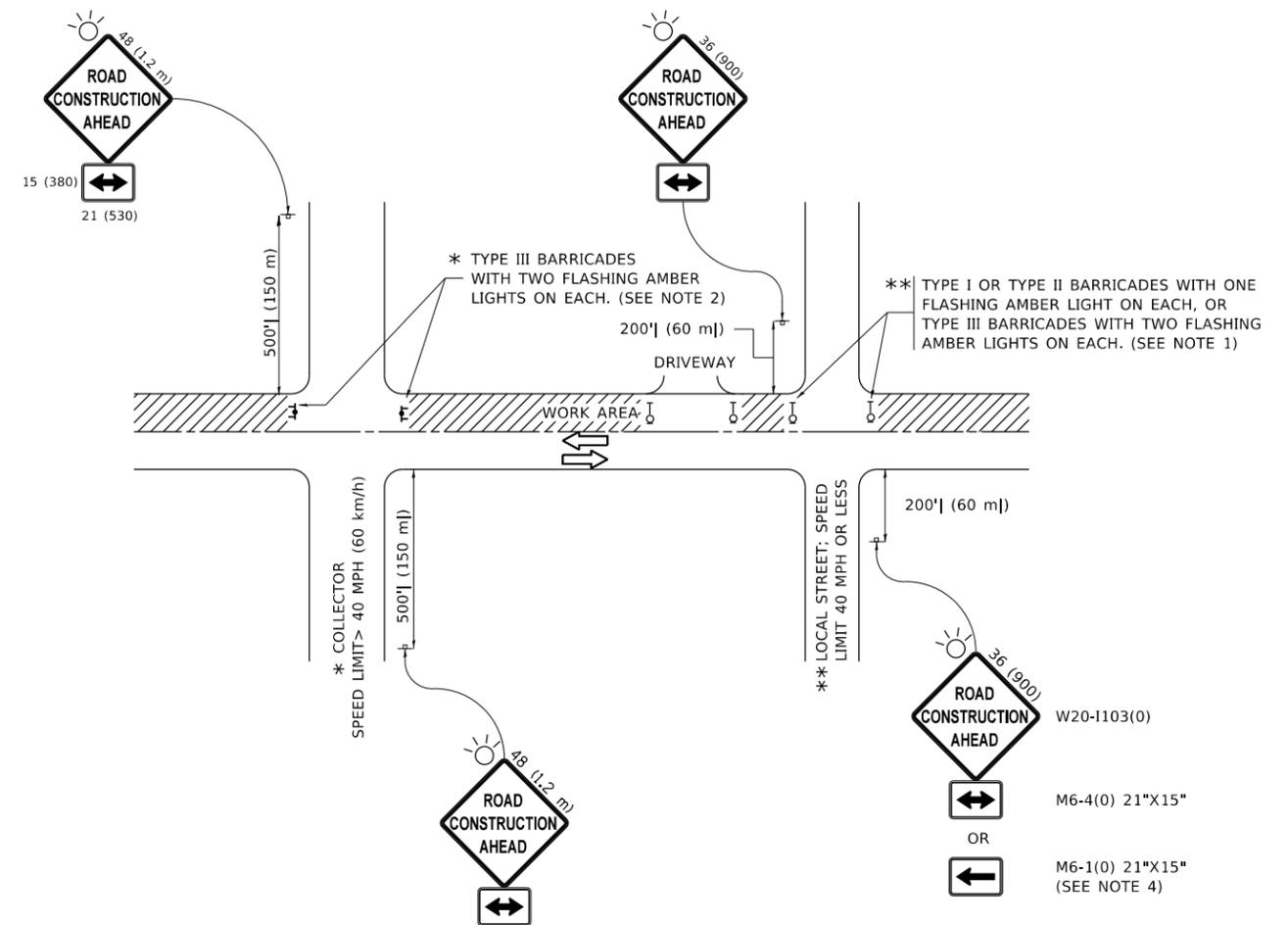
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PLOT DATE = 10/7/2020	DATE - 10/08/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CRACK & JOINT SEALING DETAIL (PD-11)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-099-1	DUPAGE	16	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L77	



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 10/14/2020	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-099-I	DUPAGE	16	11
TC-10			CONTRACT NO. 62L77	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

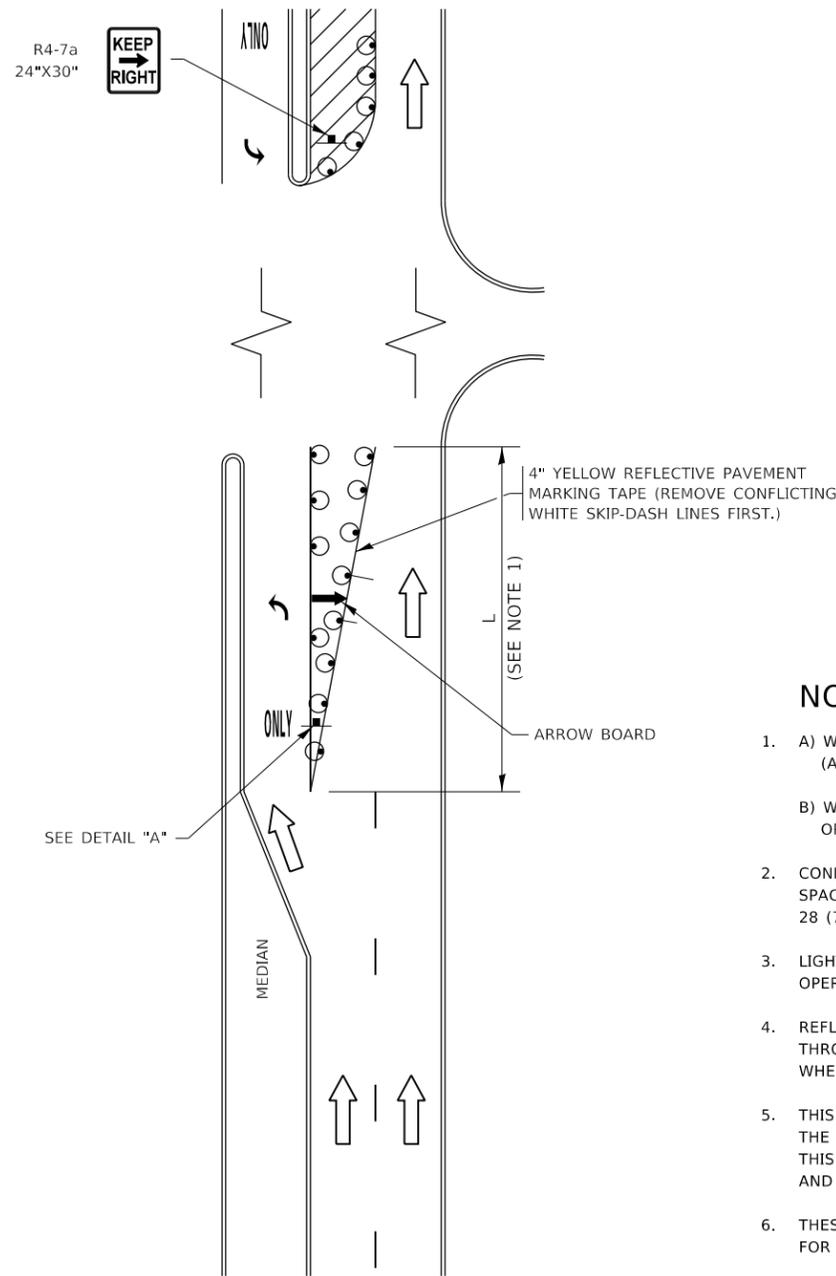


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

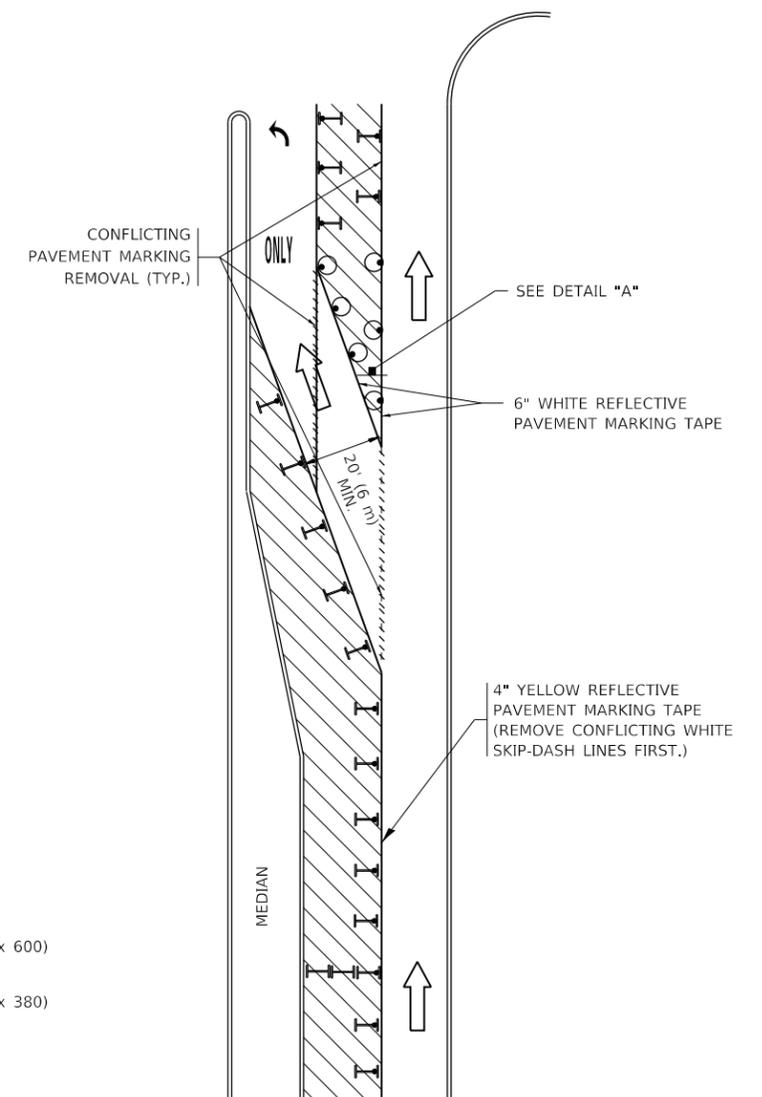


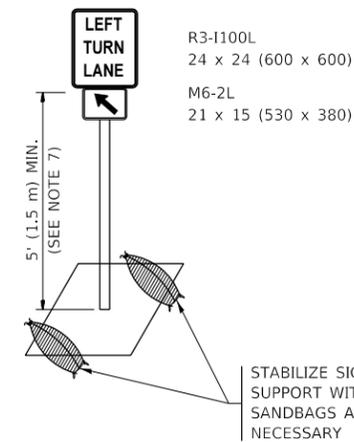
FIGURE 2

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 ≤ 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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PROJECT: I:\Projects\119820\CADD\Design\Design\119820.dwg

USER NAME = kalorm	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	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 = 10/14/2020	DATE - T. RAMMACHER 01-06-00	REVISED -

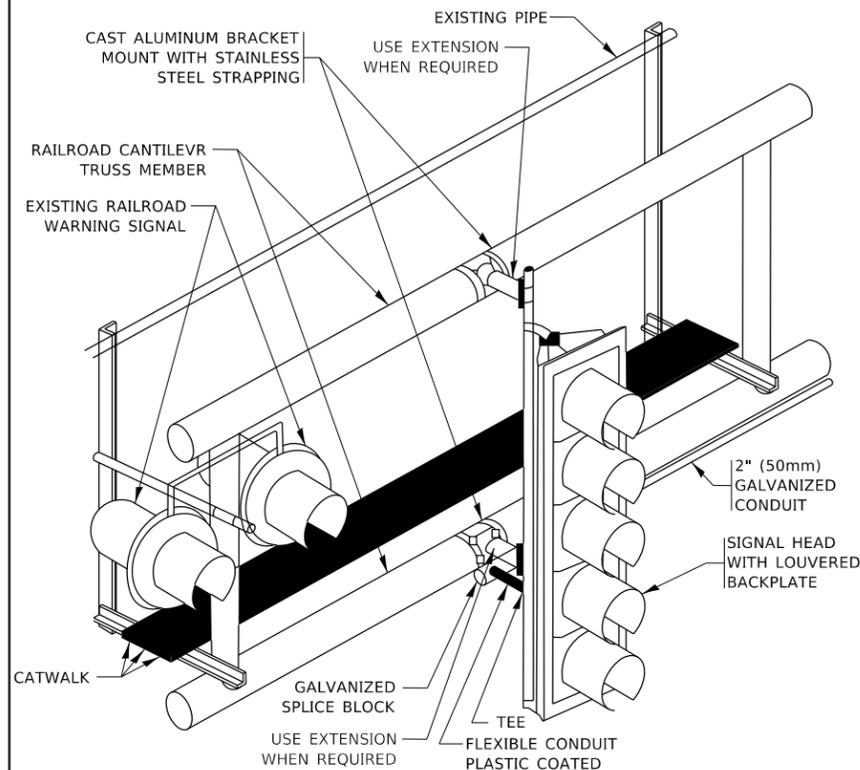
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE. 307	SECTION 2020-099-I	COUNTY DUPAGE	TOTAL SHEETS 16	SHEET NO. 13
TC-14		CONTRACT NO. 62L77		
ILLINOIS FED. AID PROJECT				

MODEL: Default
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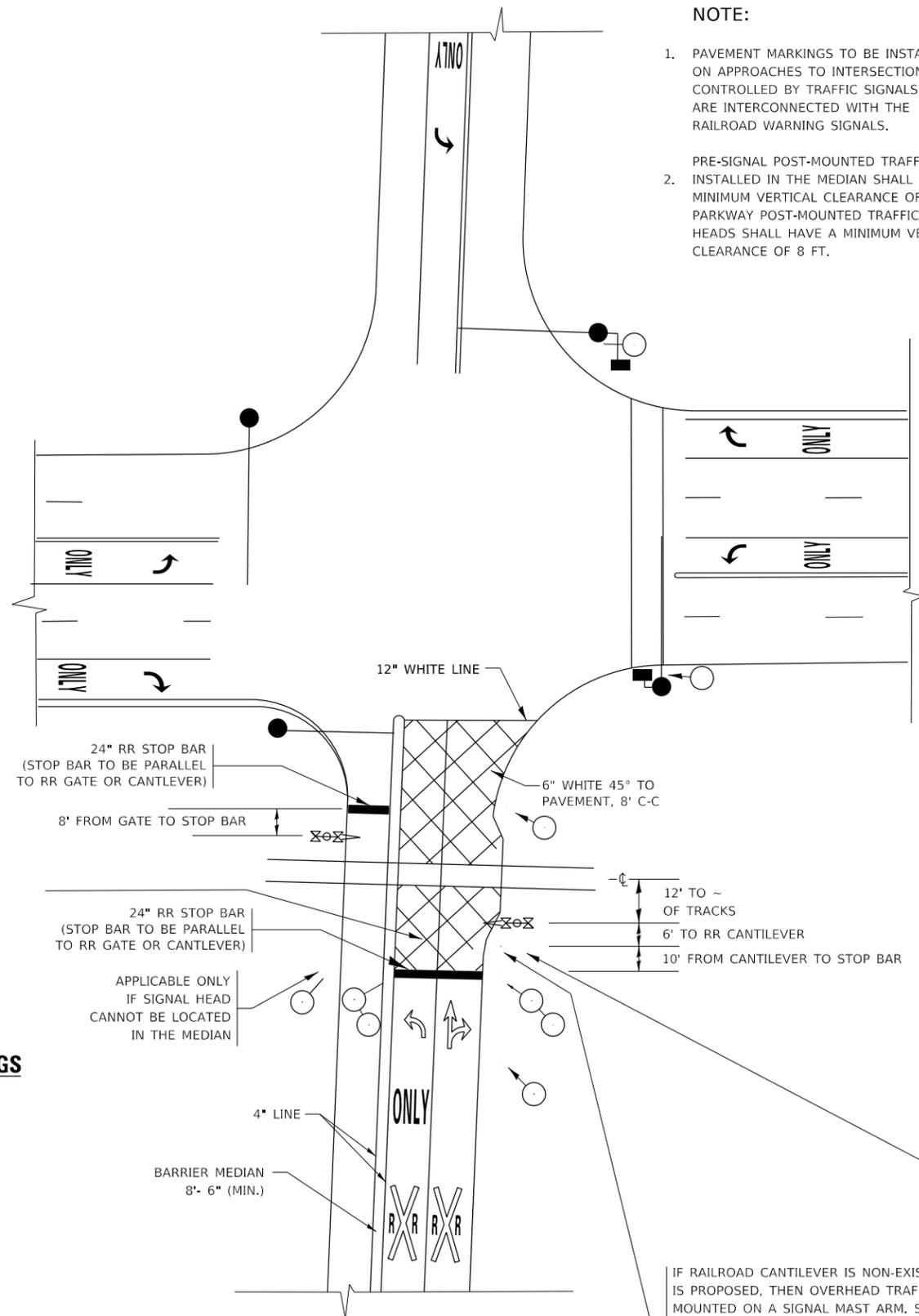
RAILROAD CANTILEVER SIGNAL HEAD MOUNTING
 USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION
 N.T.S.

SIGNING AND PAVEMENT MARKING AT RAILROAD CROSSINGS

SIGNING AND PAVEMENT MARKING TRAFFIC CONTROL STANDARD (TC-23) HAS BEEN DEVELOPED IN CONSULTATION WITH THE ILLINOIS COMMERCE COMMISSION AND THE U.S. DEPARTMENT OF TRANSPORTATION'S GRADE CROSSING SAFETY TASK FORCE. THIS STANDARD PROVIDES INFORMATION ON UPDATES TO THE PAVEMENT MARKING AND SIGNING DETAILS IN ORDER TO INCORPORATE CHANGES ADOPTED IN THE 2009 NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE (MUTCD). THESE NEW DETAILS HAVE BEEN STUDIED AND TESTED BY THE DEPARTMENT AND ACCEPTED BY THE ILLINOIS COMMERCE COMMISSION.

THIS APPLIES TO PROJECTS WHICH INCLUDE RAILROAD INTERCONNECTED TRAFFIC SIGNALS, WITH OR WITHOUT PRE-SIGNALS. THIS STANDARD ALSO APPLIES TO NON-SIGNALIZED INTERSECTIONS THAT ARE WITHIN 81 FEET OF A RAILROAD GRADE CROSSING. THE ILLINOIS SUPPLEMENT TO THE MUTCD SHOULD BE CONSULTED FOR ADDITIONAL INFORMATION ON SIGN REQUIREMENTS AT NON-SIGNALIZED INTERSECTIONS NEAR RAILROAD GRADE CROSSINGS.

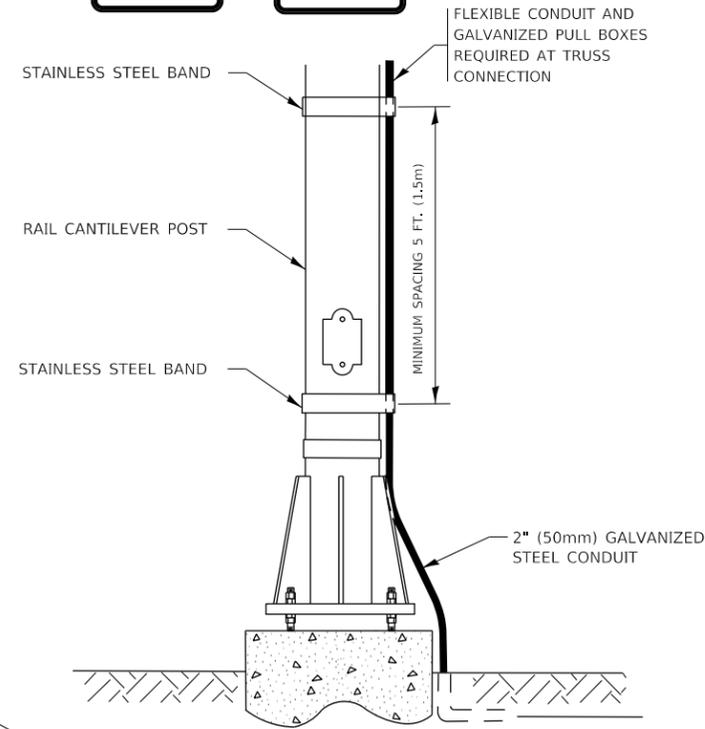
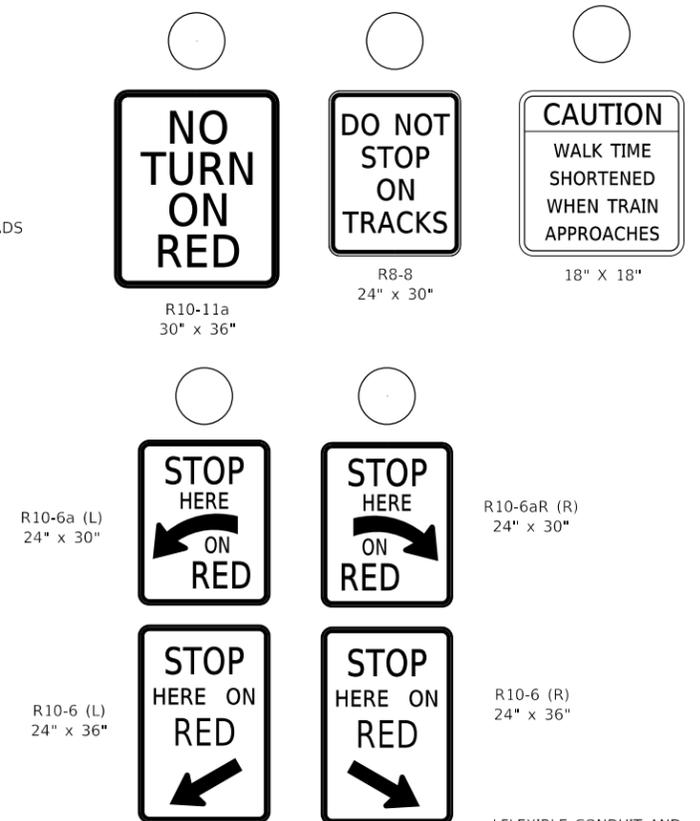
THESE DETAILS WILL BE INCLUDED IN A FUTURE UPDATE TO THE BUREAU OF OPERATIONS TRAFFIC POLICIES AND PROCEDURES MANUAL.



SIGNALIZED INTERSECTION WITH NEAR-SIDE TRAFFIC SIGNAL

NOTE:

- PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- PRE-SIGNAL POST-MOUNTED TRAFFIC SIGNAL HEADS INSTALLED IN THE MEDIAN SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 4.5 FT. PARKWAY POST-MOUNTED TRAFFIC SIGNAL HEADS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 8 FT.



SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL

USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.

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

IF RAILROAD CANTILEVER IS NON-EXISTANT AND NONE IS PROPOSED, THEN OVERHEAD TRAFFIC SIGNAL TO BE MOUNTED ON A SIGNAL MAST ARM. SIGNAL MAST ARM AND SIGNAL HEADS SHALL BE INSTALLED AS CLOSE AS PRACTICABLE TO THE RAILROAD TRACKS WITHOUT OBSTRUCTING ANY RAILROAD WARNING DEVICES. SIGNAL MAST ARM SHALL BE AT LEAST 12 FT. FROM NEAREST RAIL.

USER NAME = kalorm	DESIGNED -	REVISED - 02-25-11
	DRAWN -	REVISED - 04-26-12
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A.R. 07-11-16
PLOT DATE = 10/14/2020	DATE -	REVISED - D.G. 8-22-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING
TREATMENT FOR RAILROAD CROSSINGS**

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

F.A.P. RTE. 307	SECTION 2020-099-I	COUNTY	TOTAL SHEETS 16	SHEET NO. 15
TC-23			CONTRACT NO. 62L77	
ILLINOIS		FED. AID PROJECT		

