

099

01-18-2019 LETTING ITEM 099

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	VARIOUS	35	1
		ILLINOIS	CONTRACT NO. 62H31	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA (US RTE. 12)
2017 ADT = 50,600
SPEED LIMIT = 35 TO 50 MPH

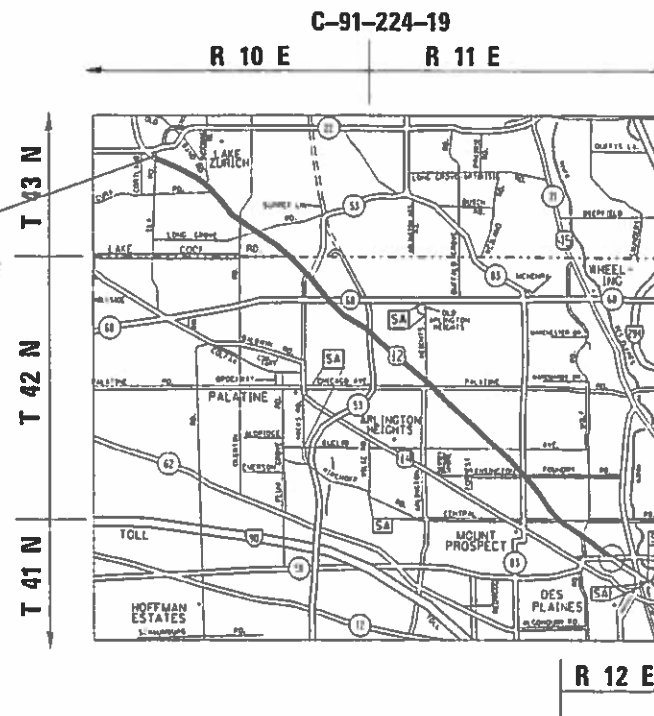
PROPOSED HIGHWAY PLANS

F.A.P ROUTE 334: US RTE. 12 (RAND RD.)
ELA RD. TO IL. RTE. 58 (GOLF RD.)
SECTION: 2018-085-CJS
PROJECT: NHPP- Q1(Z(057)
CRACK AND JOINT SEALING
COOK AND LAKE COUNTY

D-91-025-19



IMPROVEMENT BEGINS
STATION 12+91



IMPROVEMENT ENDS
STATION 764+18

LAKE ZURICH, KILDEER, DEERPARK, PALATINE, ARLINGTON HEIGHT
PROSPECT HEIGHTS, MT. PROSPECT, DES PLAINES

GROSS LENGTH & NET LENGTH = 75,127 FT. = 14.23 MILE



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

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

PROJECT ENGINEER ALAIN MIDY (847) 221-3056
PROJECT MANAGER FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62H31

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 10-11-2018

Paul A. CTK
REGIONAL ENGINEER

Dec 7 2018
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 7 2018
DIRECTOR OF TRANSPORTATION PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

REV 11-21-18

INDEX OF SHEETS

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GENERAL NOTES

1. 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.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGES OF LAKE ZURICH, KILDEER, DEERPARK, PALATINE, ARLINGTON HEIGHT, MT. PROSPECT AS WELL AS CITIES OF PROSPECT HEIGHTS AND DES PLAINES.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
6. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
8. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
9. MATERIALS RESULTING FROM THE ROUTING OF CRACKS IN THE EXISTING PAVEMENT MAY BE PLACED, SHAPED AND COMPACTED TO THE SATISFACTION OF THE ENGINEER ALONG EXISTING AGGREGATE SHOULDERS ADJACENT TO THE PAVEMENT. ALL MATERIALS RESULTING FROM THE ROUTING OF CRACKS IN PAVEMENTS WITHOUT AGGREGATE SHOULDERS AND SURPLUS MATERIALS RESULTING FROM THE ROUTING OF CRACKS IN PAVEMENTS WITH AGGREGATE SHOULDERS, WHERE ALL MATERIALS ARE NOT PLACED ALONG EXISTING AGGREGATE SHOULDERS, SHALL BE DISPOSED OF AS SPECIFIED IN ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS. OLD SEALANTS REMOVED PRIOR TO ROUTING SHALL BE DISPOSED OF AS SPECIFIED IN ARTICLE 202.03. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT THE COST SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE CONSTRUCTION ITEMS INVOLVED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.^{3/2}

HIGHWAY STANTARDS

- 701421-08 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS >= 45 MPH TO 55MPH
- 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
- 701901-08 TRAFFIC CONTROL DEVICES

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		DRAWN -	REVISED -		334	2018-085-CJS	*	35	2			
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	PLOT DATE = 10/16/2018	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES 0005	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		LAKE COUNTY	COOK COUNTY			
45100100	CRACK ROUTING (PAVEMENT)	FOOT	464798	158193	306605			
45100200	CRACK FILLING	POUND	124392	43549	80843			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	4.5	4.5			
67100100	MOBILIZATION	L SUM	1	0.5	0.5			
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	0.5	0.5			
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	0.5	0.5			
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	0.5	0.5			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.5	0.5			
* X7800815	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	239,743	60,445	179,298			
* X7800835	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 6 INCH	FOOT	41,541	22,477	19,064			
* X7800845	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 8 INCH	FOOT	4,334	3,719	615			
* X7800855	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 12 INCH	FOOT	7,190	2,213	4977			

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	LAKE COUNTY		COOK COUNTY				
* X7800870	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 24 INCH	FOOT	3869	1239	2630				
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	385.5	25.7	359.8				
X7800800	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,285	483	802				

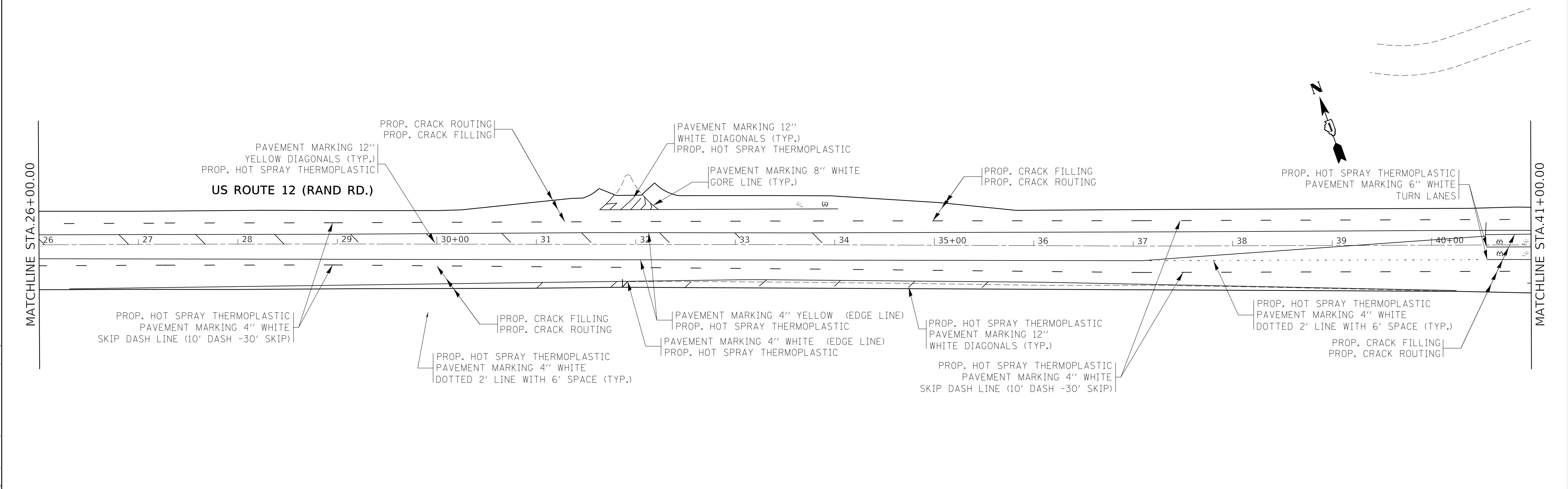
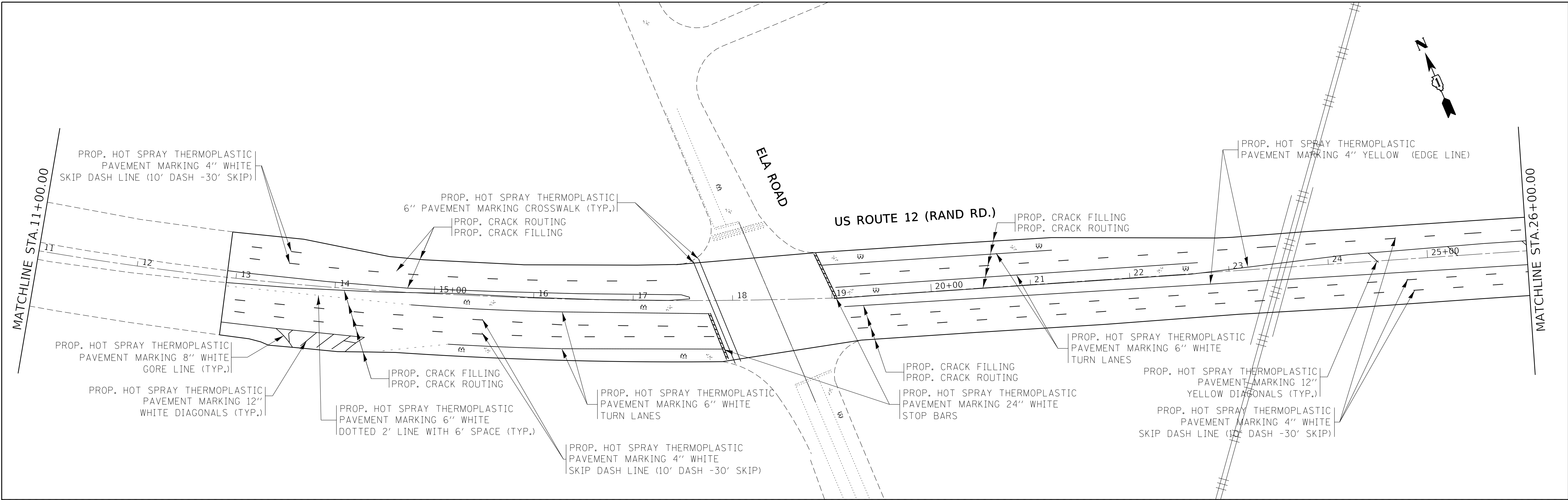
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES U.S. ROUTE 12 (ELA RD. TO IL 58)			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	3
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62H31	

* SPECIALTY ITEM



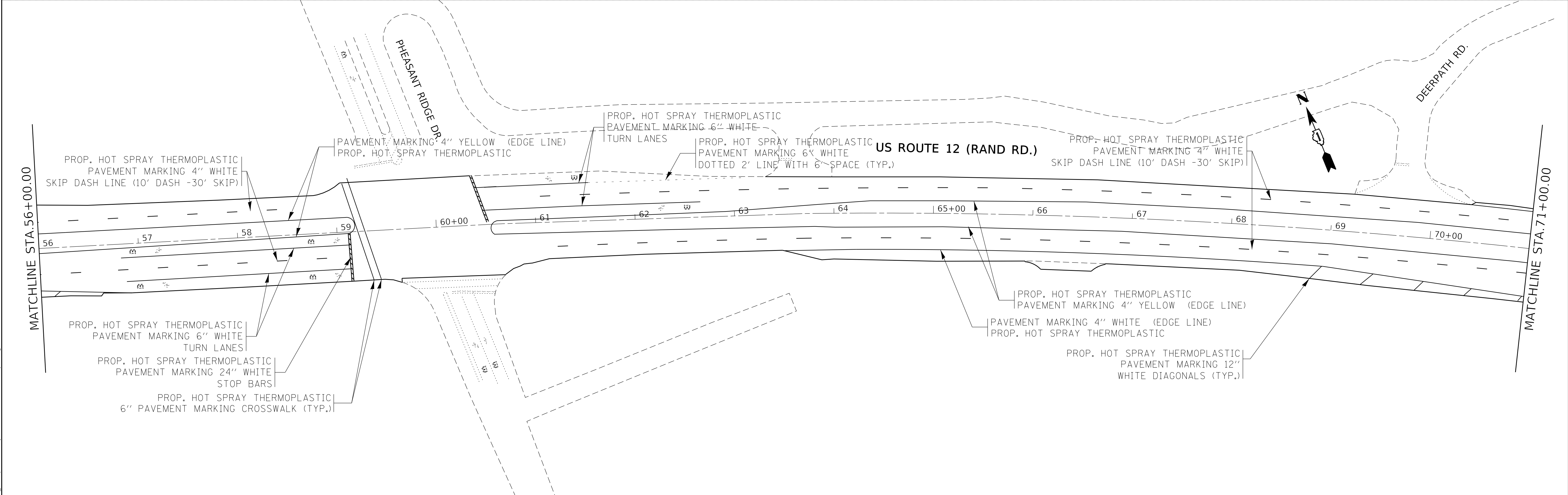
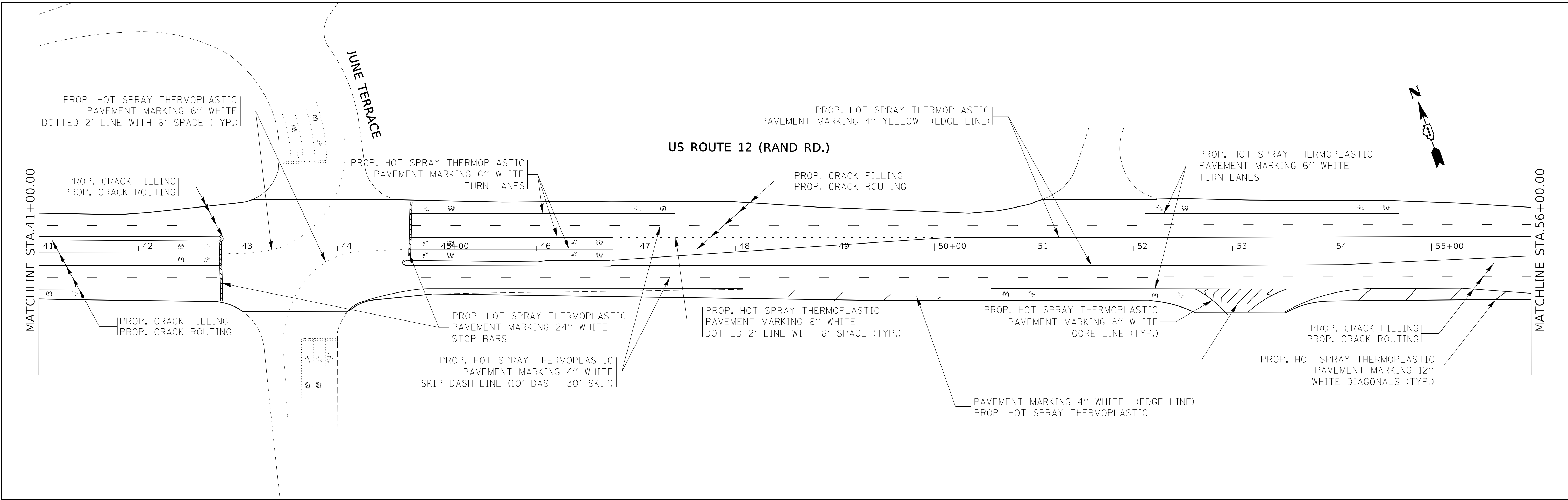
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) CRACK CONTROL TREATMENT			
SCALE: 1"=50'	SHEET	OF	SHEETS
STA.	TO	STA.	TO

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	4
CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				



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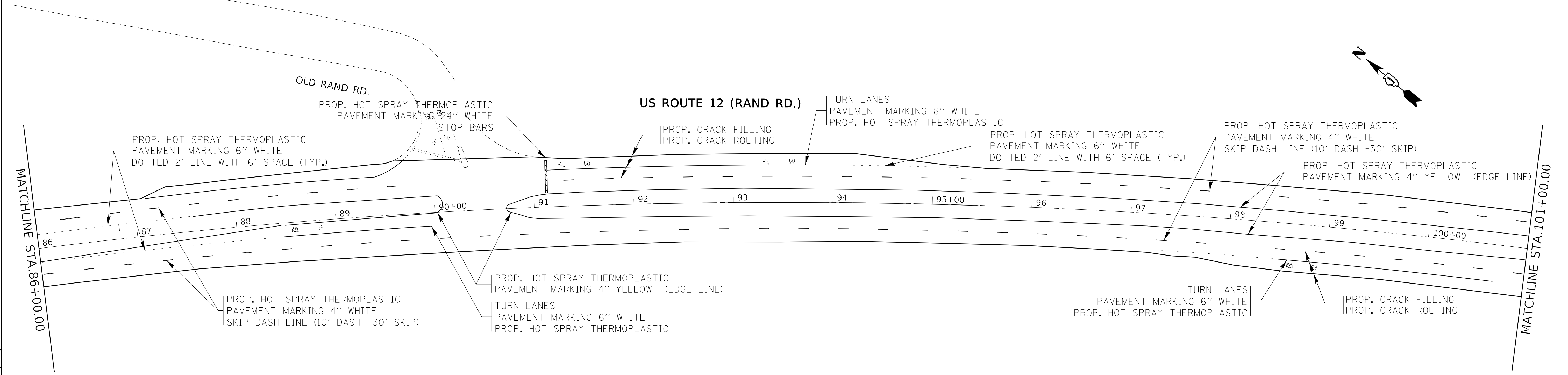
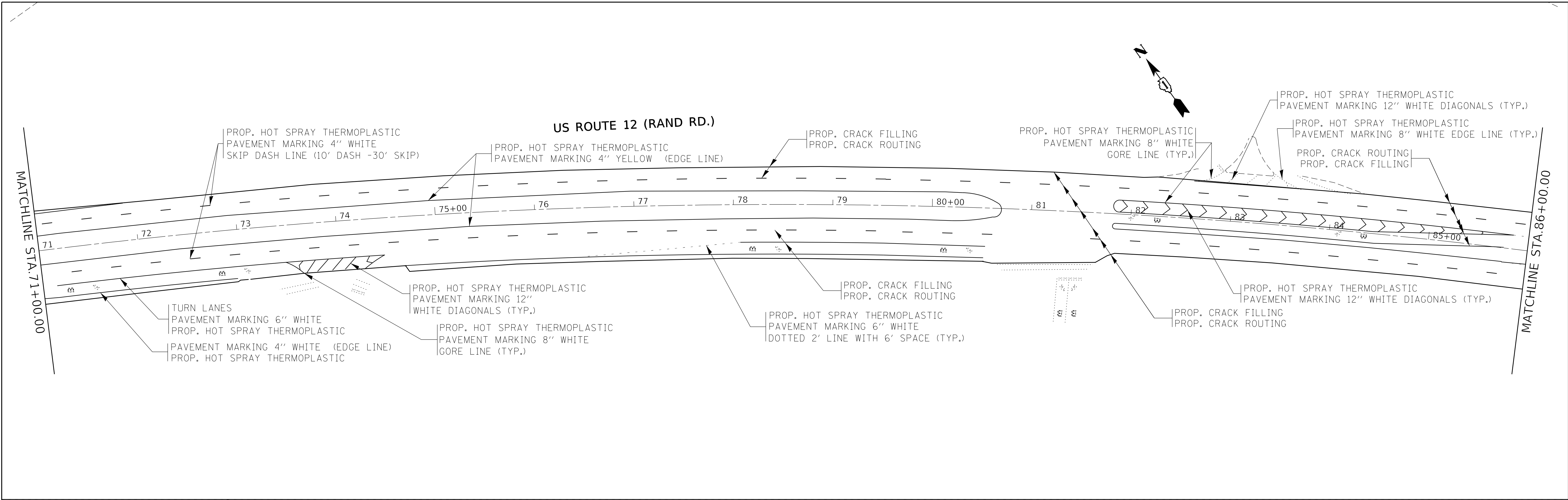
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58)
CRACK CONTROL TREATMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	5
CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				



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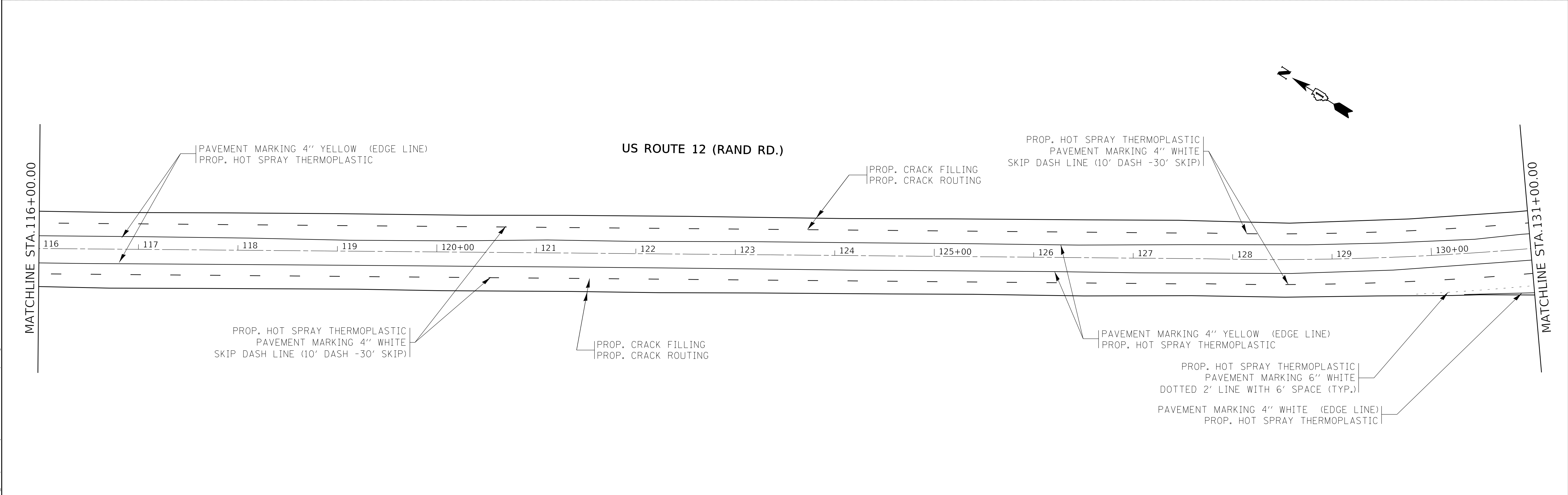
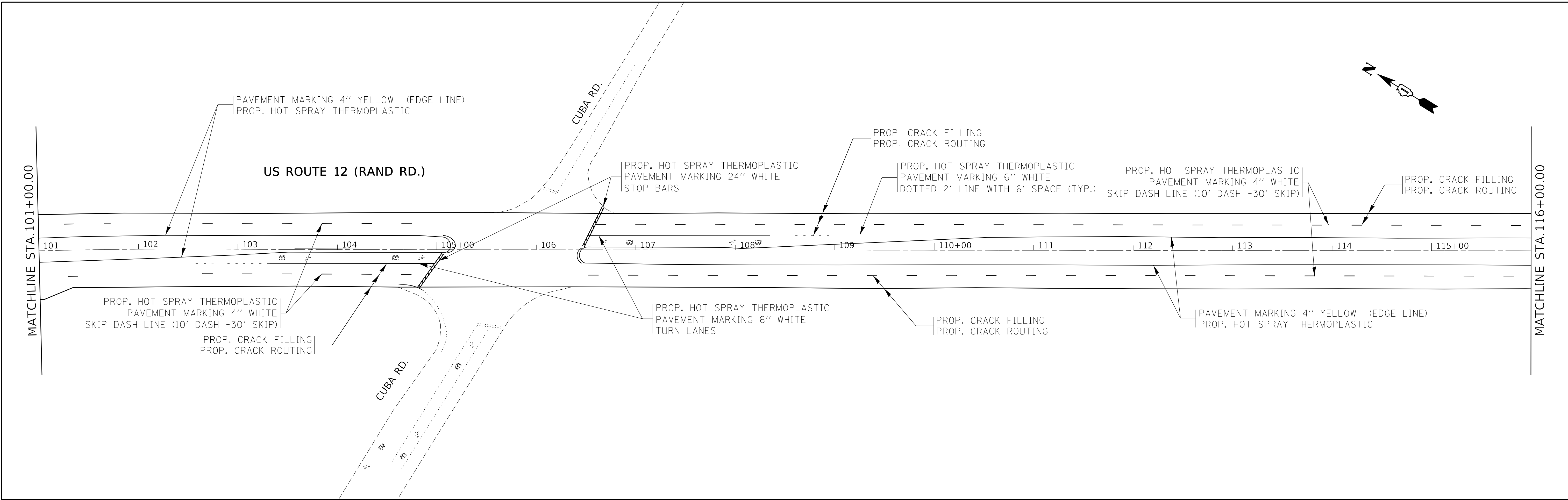
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PLOT DATE = 10/16/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58)
CRACK CONTROL TREATMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	6
CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				



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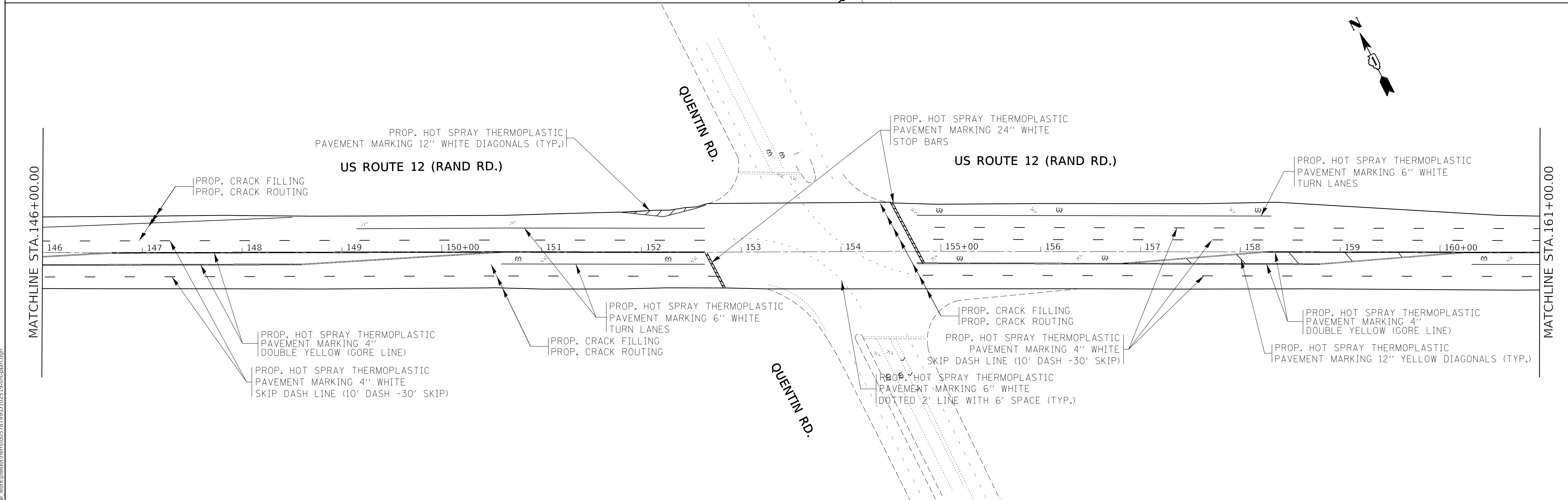
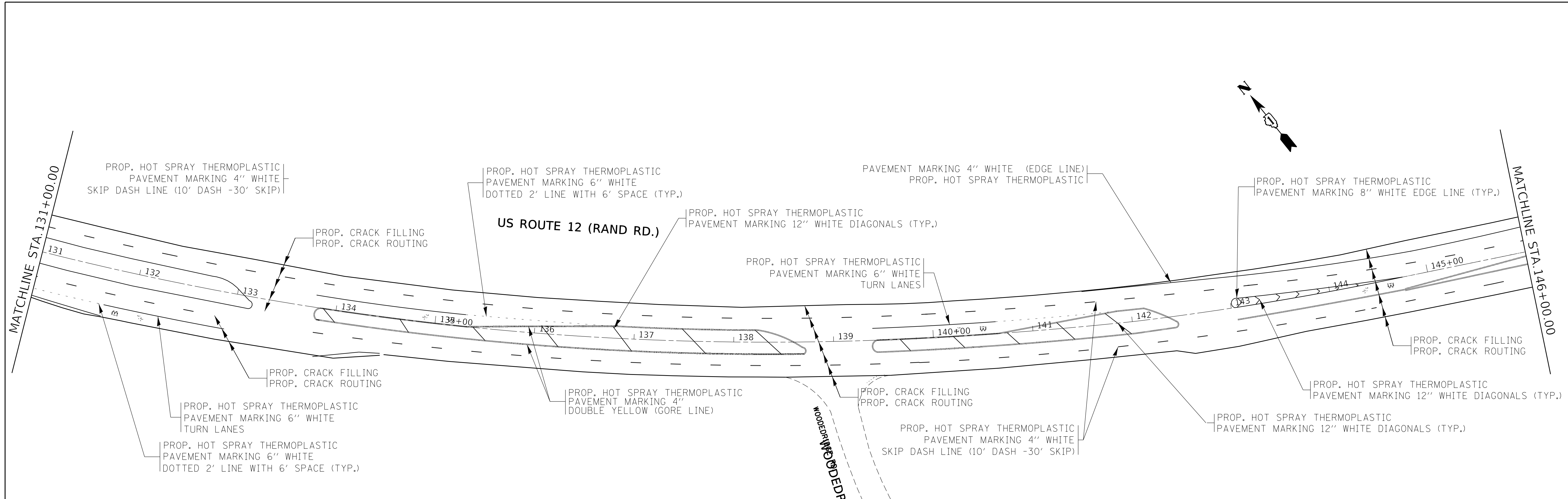
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PLOT DATE = 10/16/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58)
CRACK CONTROL TREATMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	7
CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				



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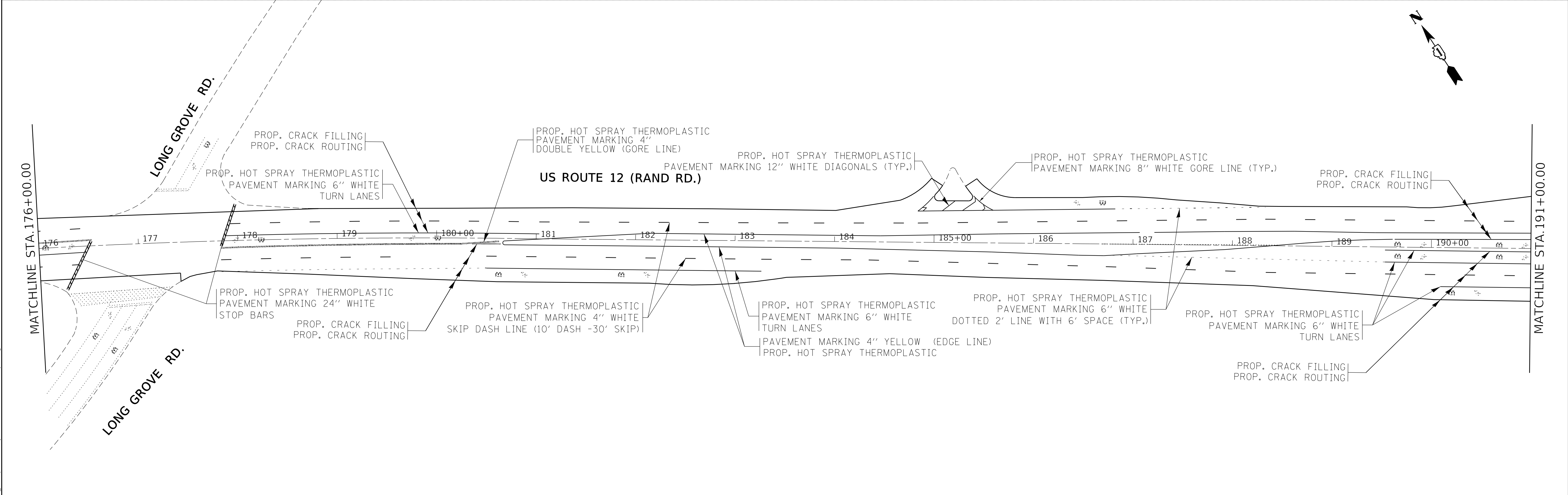
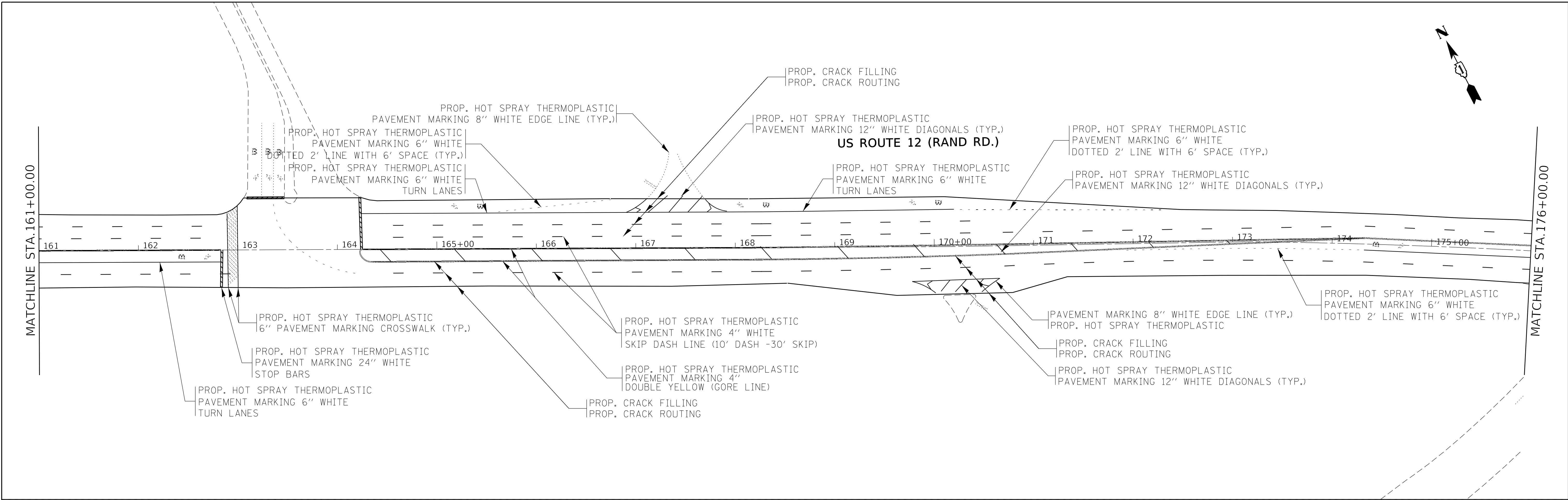
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58)
CRACK CONTROL TREATMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	8
CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				



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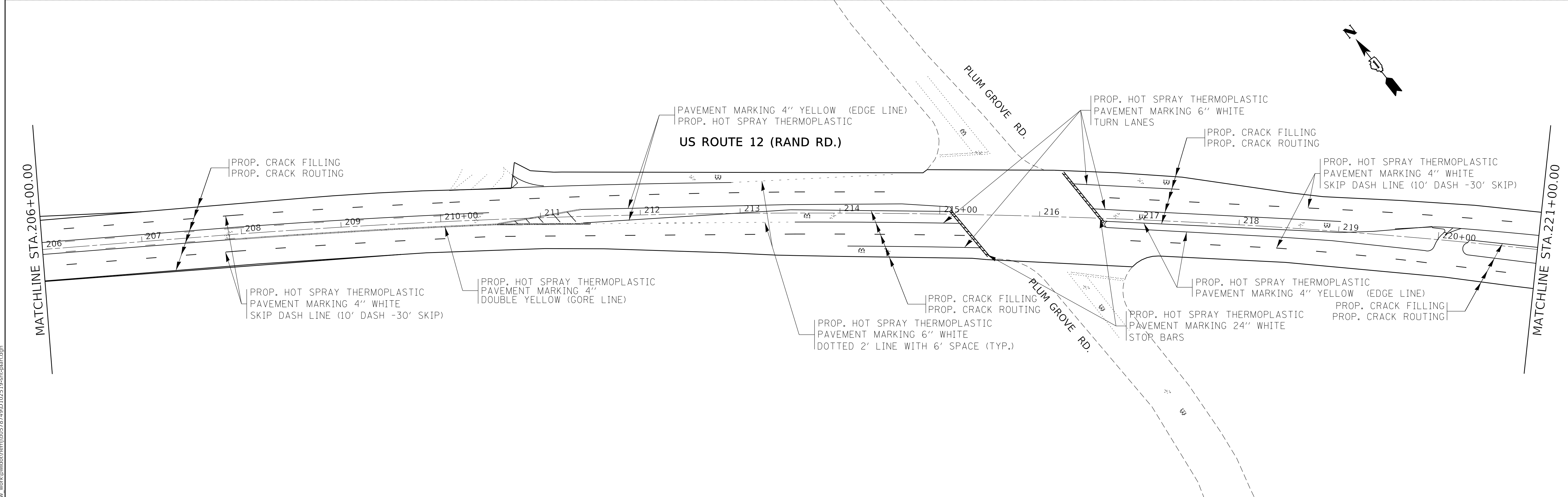
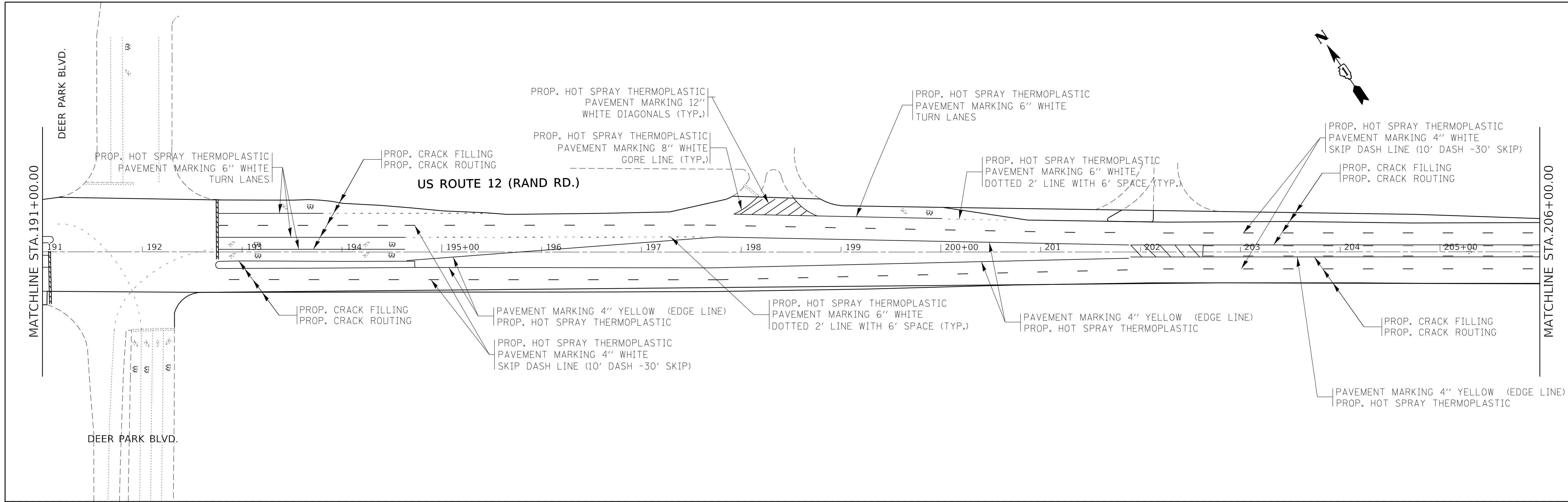
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STATE OF ILLINOIS
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U.S. ROUTE 12 (ELA RD. TO IL 58)
CRACK CONTROL TREATMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	9
CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				



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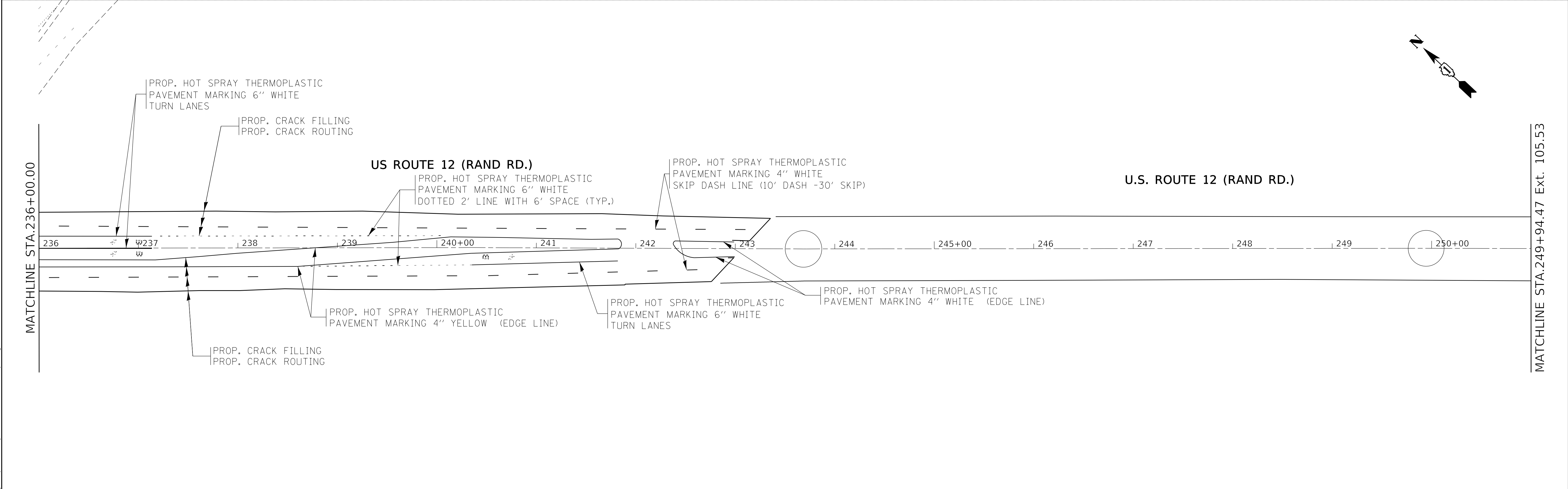
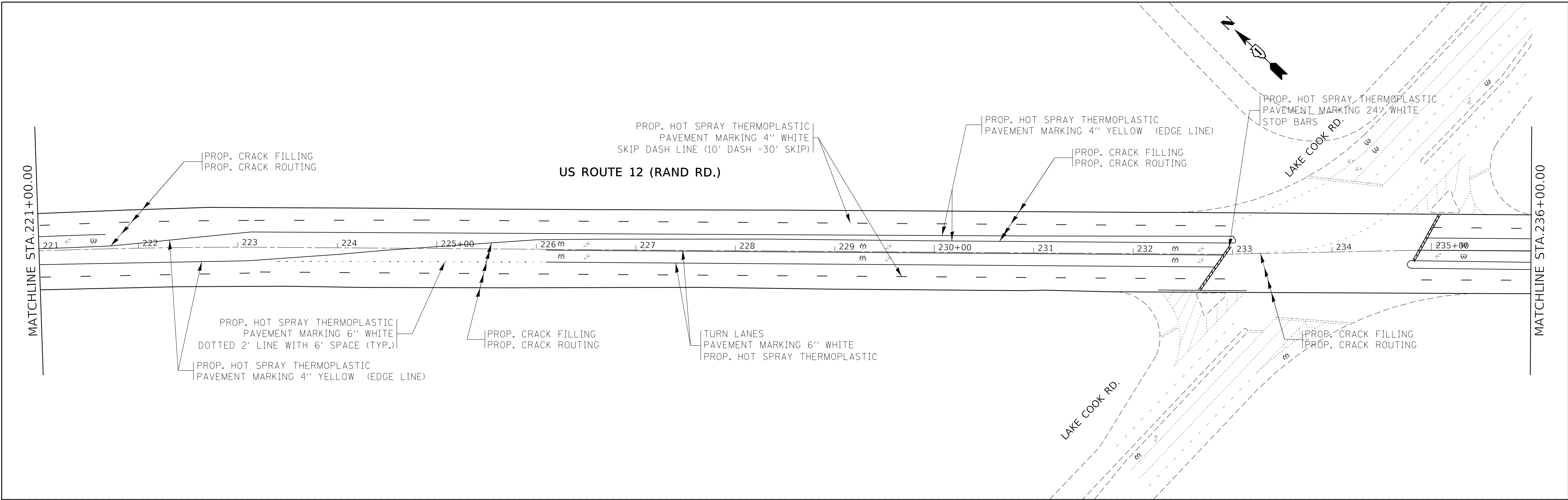
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STATE OF ILLINOIS
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U.S. ROUTE 12 (ELA RD. TO IL 58)
CRACK CONTROL TREATMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	10
CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				



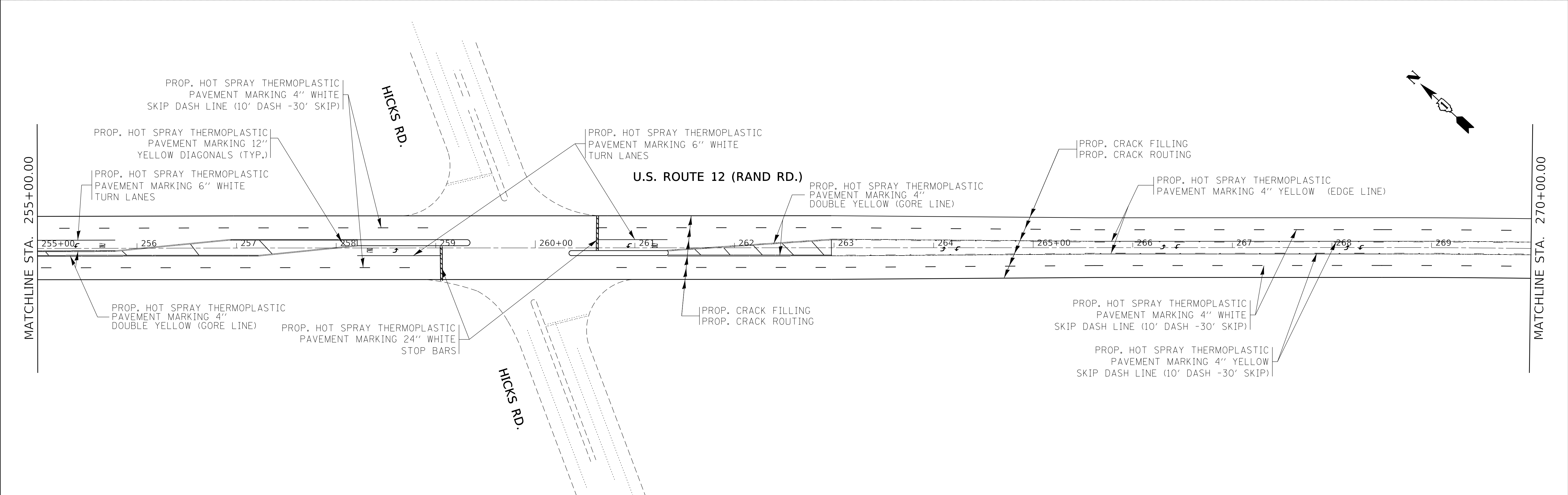
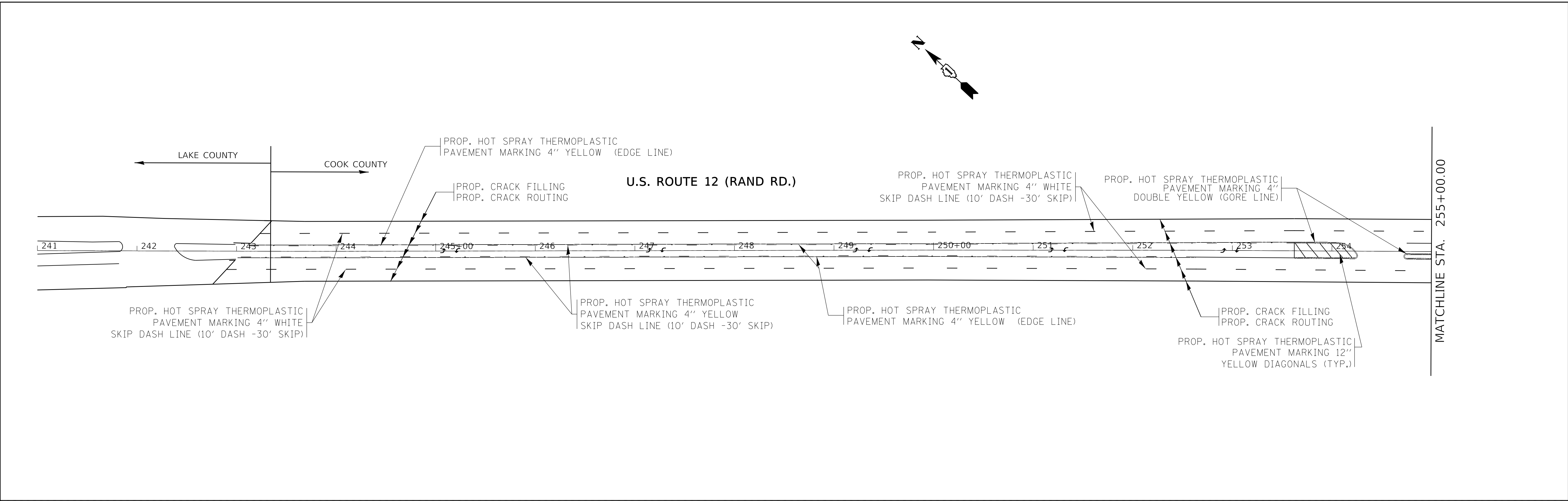
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STATE OF ILLINOIS
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SCALE: 1"=50'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	11
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ILLINOIS FED. AID PROJECT				



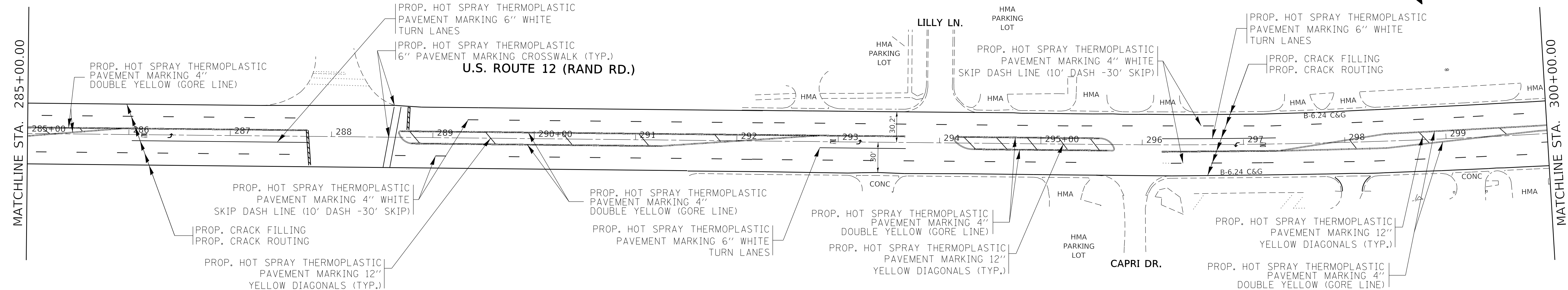
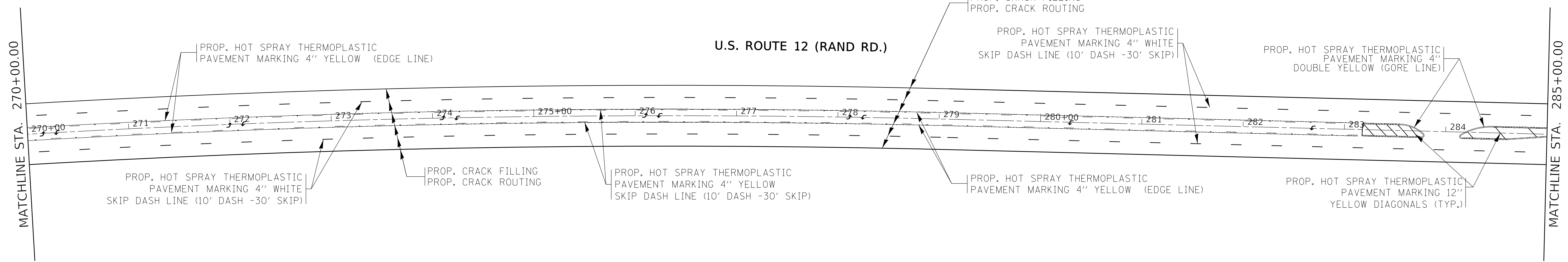
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
CRACK CONTROL TREATMENT

F.A.P. RTE. 334	SECTION 2018-085-CJS	COUNTY *	TOTAL SHEETS 35	SHEET NO. 12
CONTRACT NO. 62H31			ILLINOIS FED. AID PROJECT	



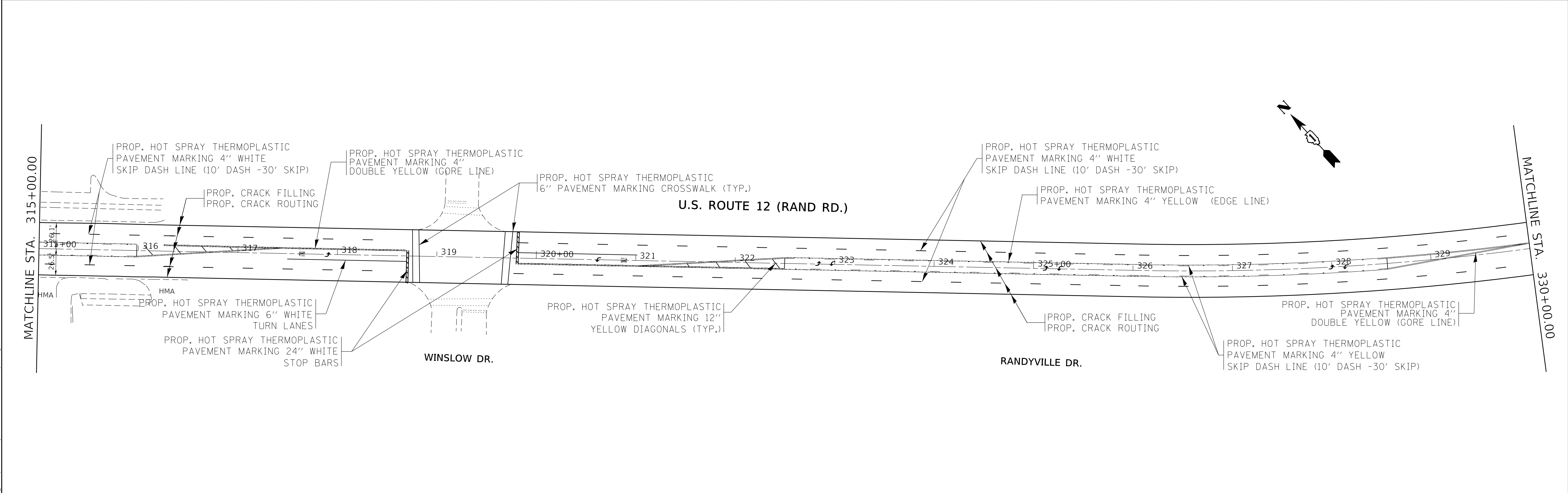
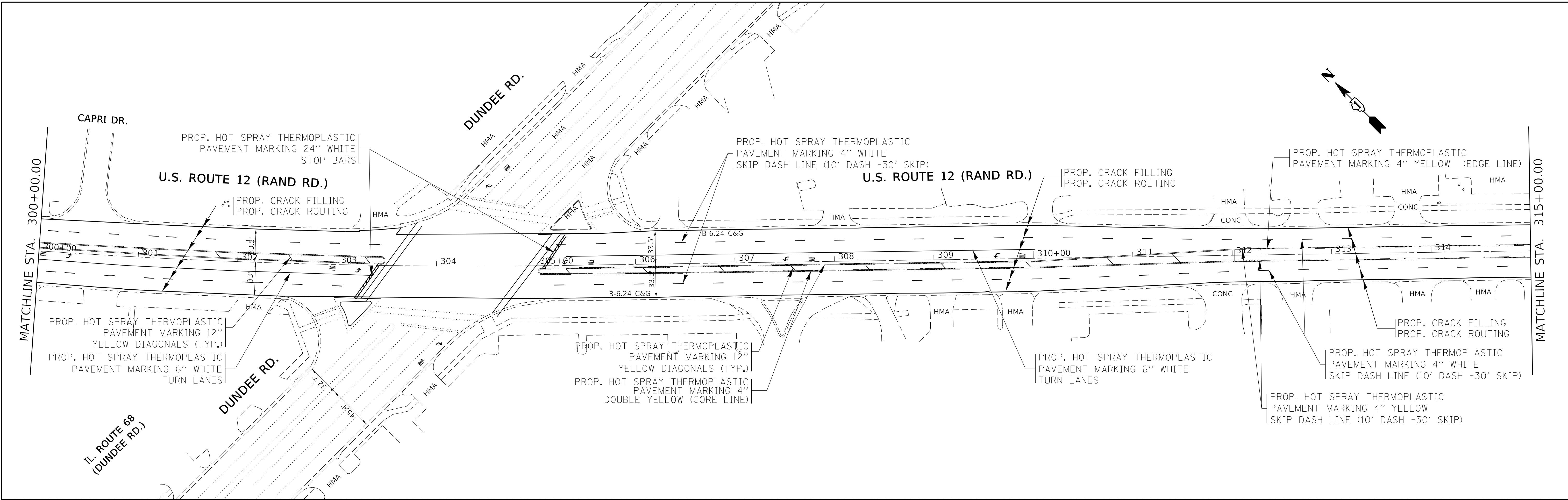
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION CRACK CONTROL TREATMENT				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

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334	2018-085-CJS	*	35	13
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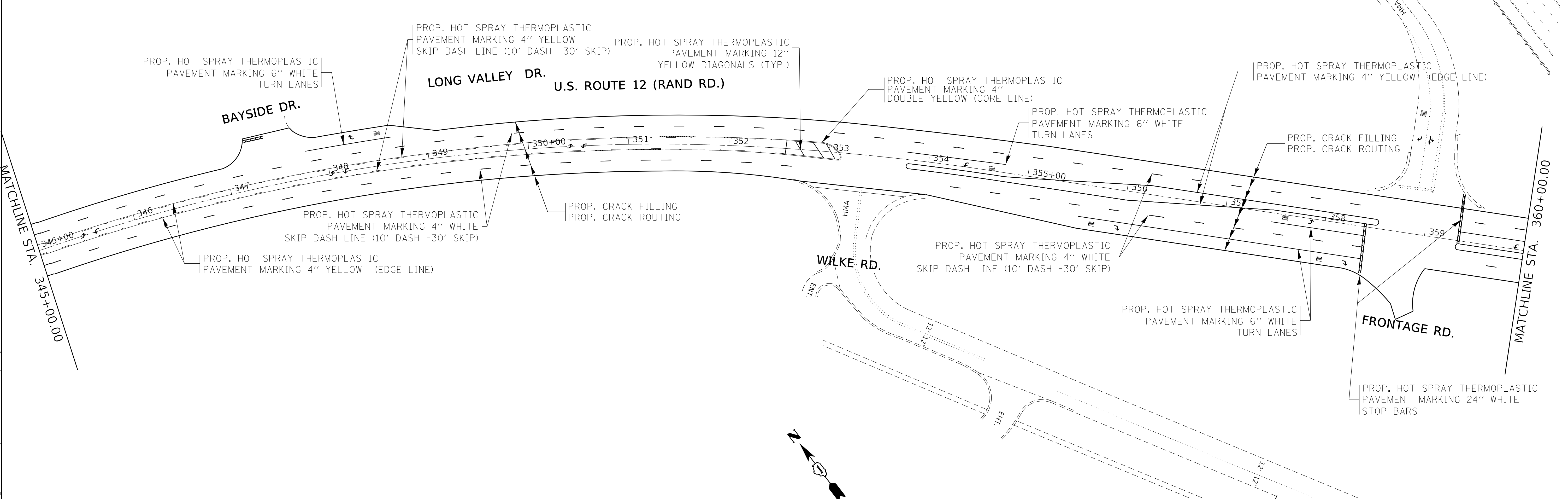
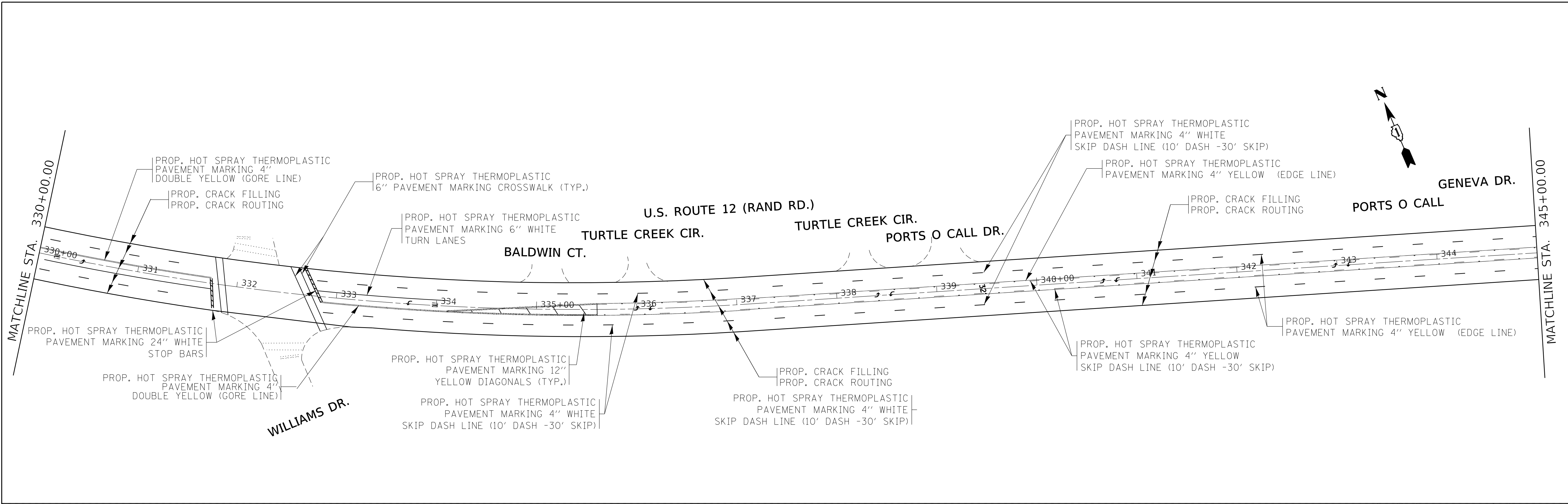
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STATE OF ILLINOIS
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U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION CRACK CONTROL TREATMENT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	14
CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				



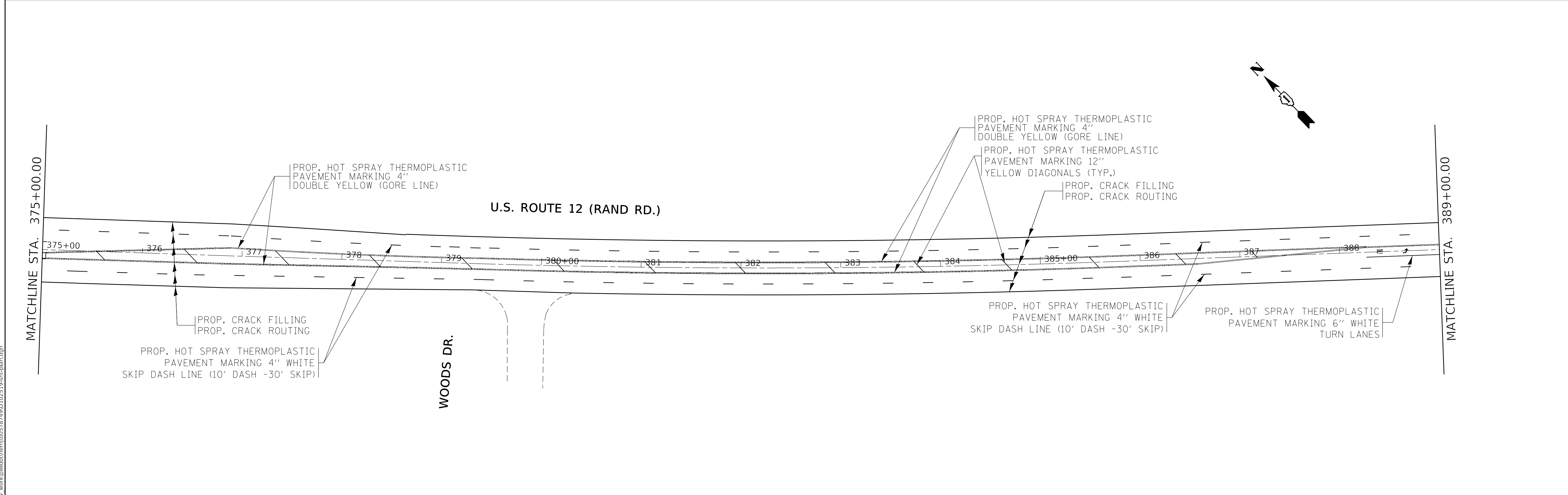
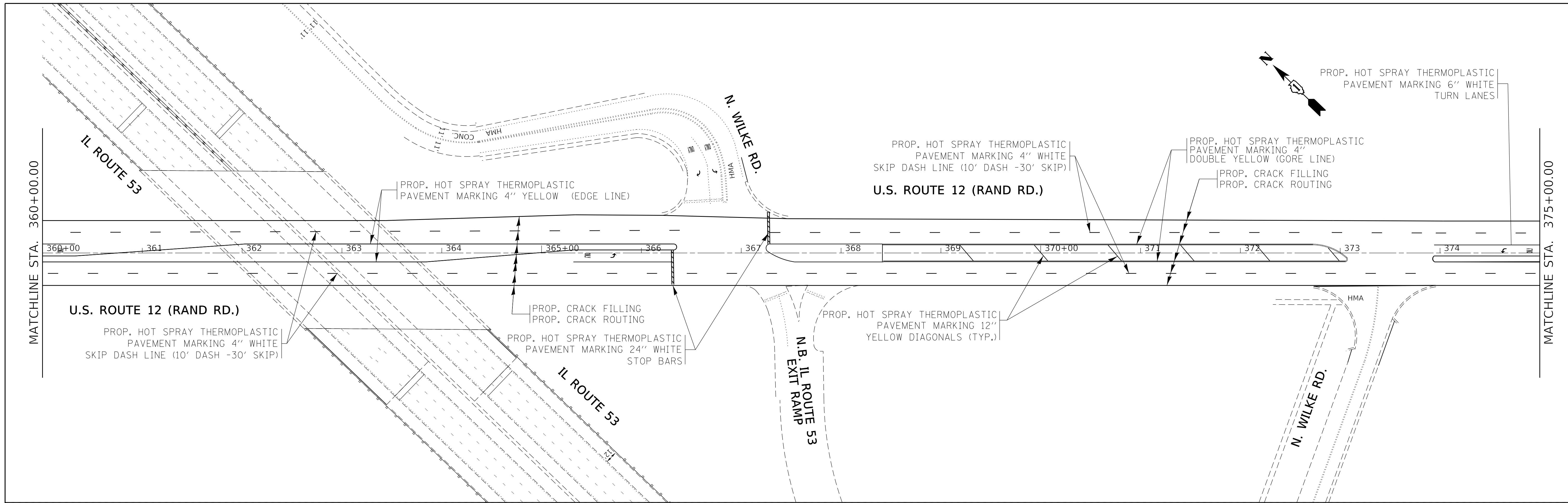
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION CRACK CONTROL TREATMENT				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	15
CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				



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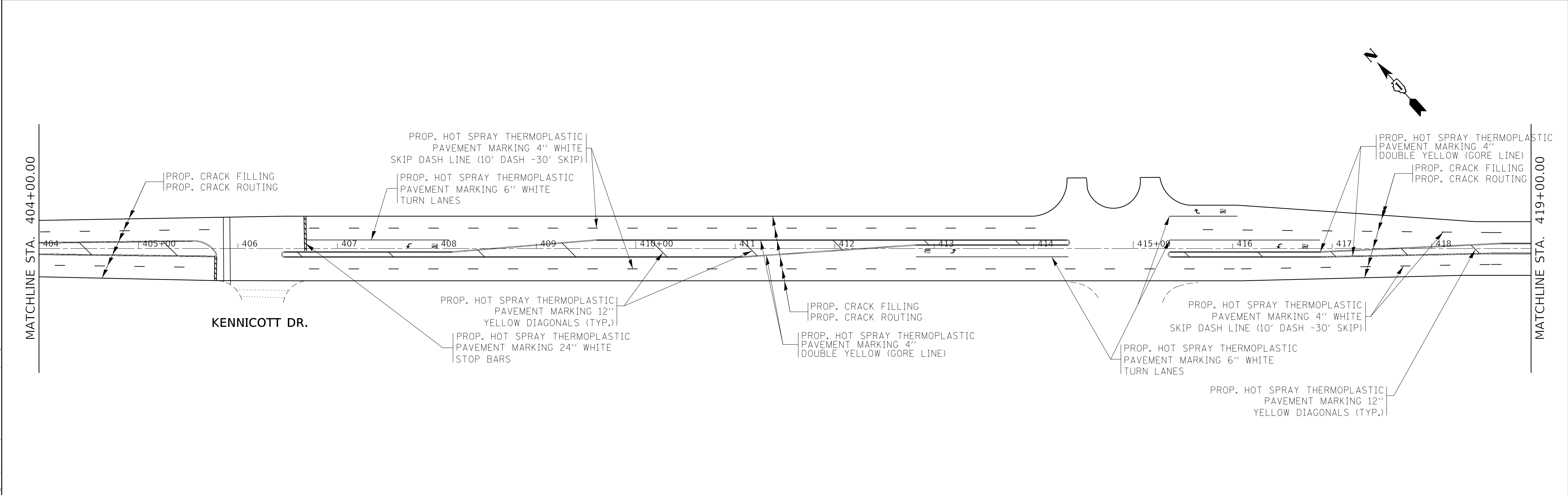
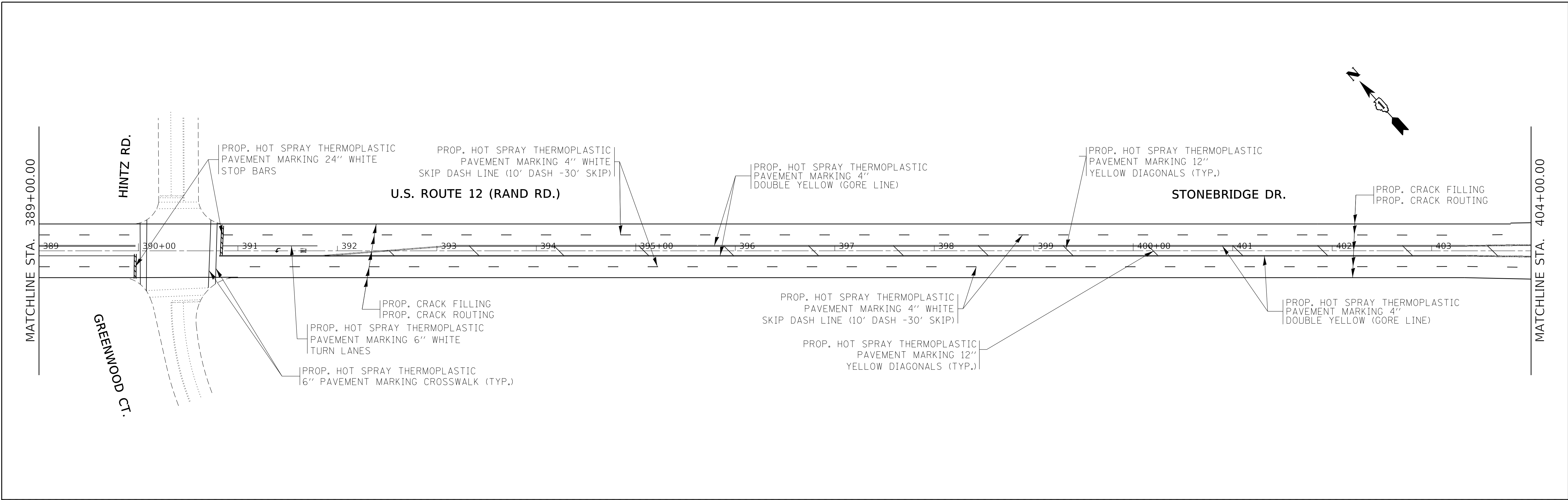
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
CRACK CONTROL TREATMENT

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	16
CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



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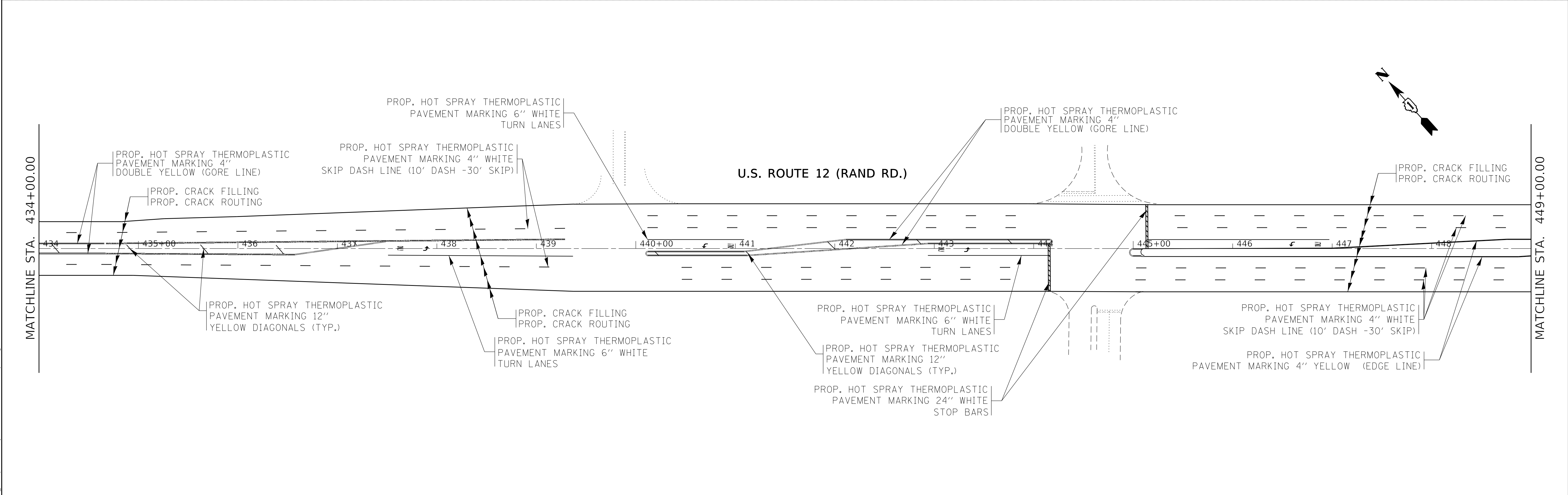
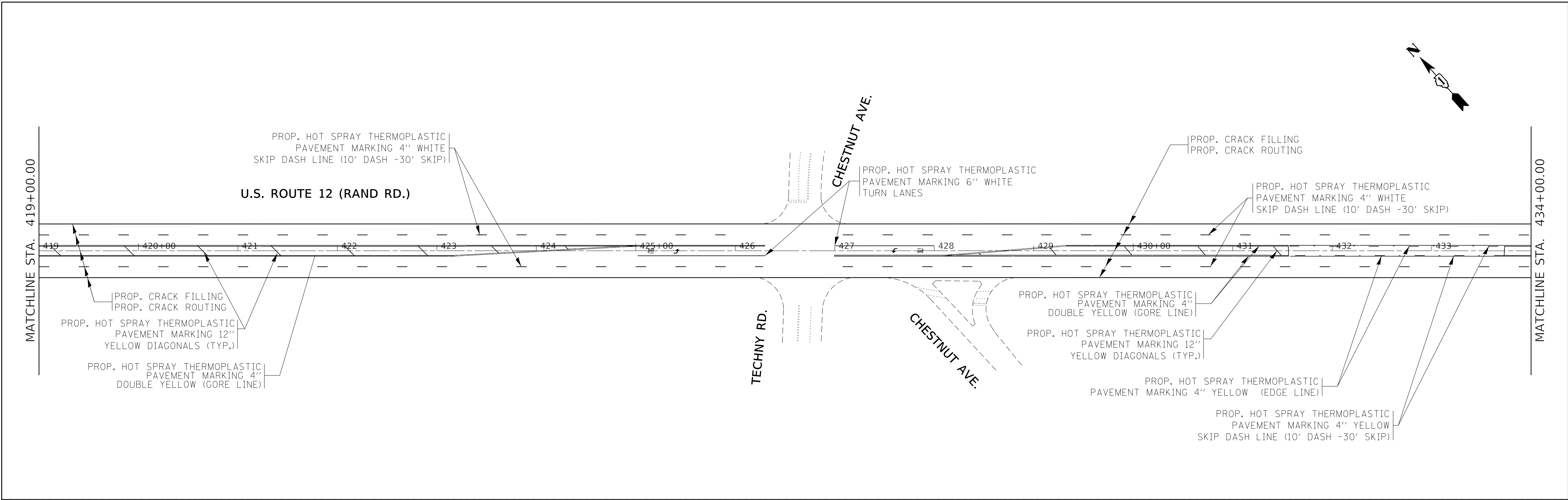
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PLOT DATE = 10/16/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
CRACK CONTROL TREATMENT

F.A.P. RTE. 334	SECTION 2018-085-CJS	COUNTY *	TOTAL SHEETS 35	SHEET NO. 17
CONTRACT NO. 62H31			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.



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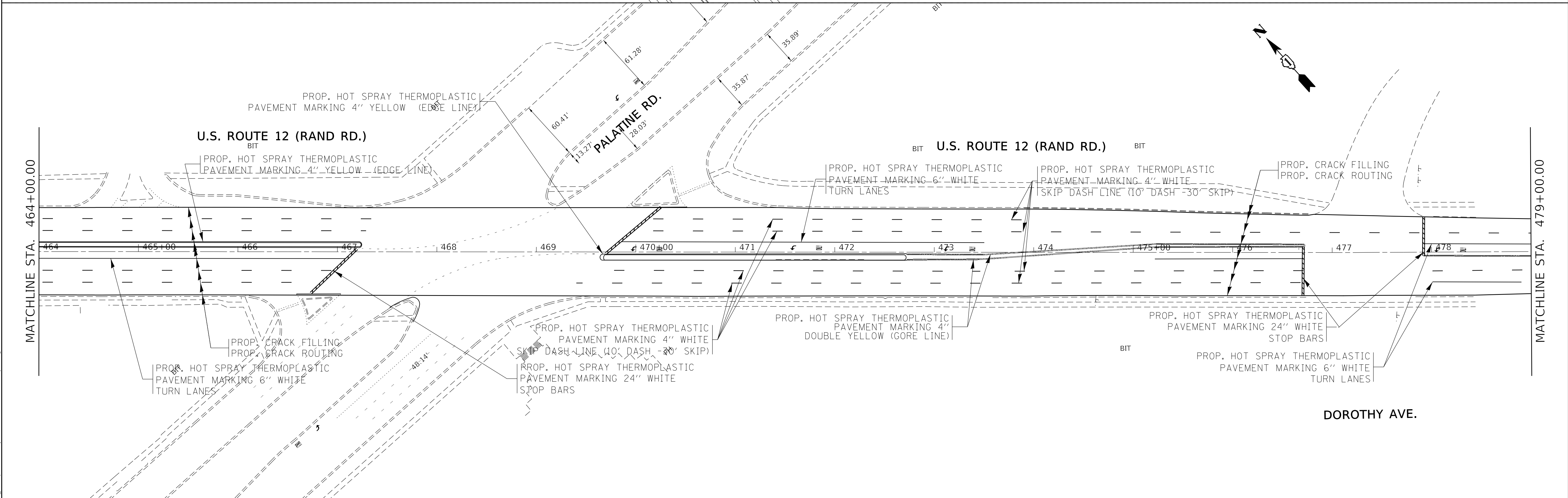
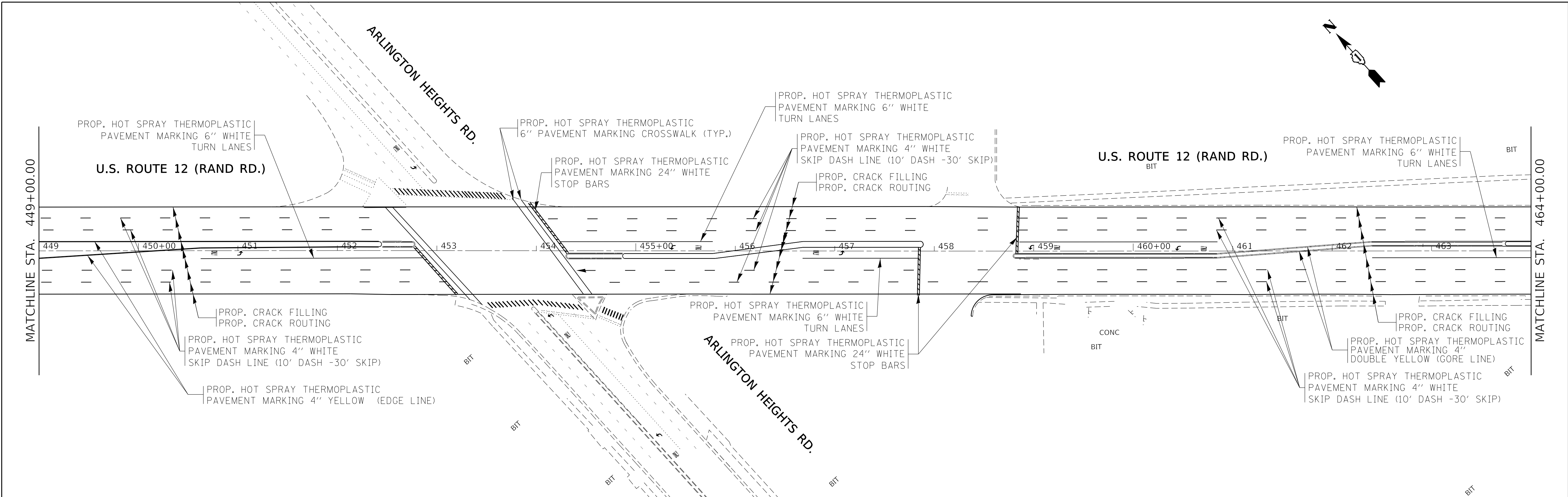
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PLOT DATE = 10/16/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
CRACK CONTROL TREATMENT

F.A.P. RTE. 334	SECTION 2018-085-CJS	COUNTY *	TOTAL SHEETS 35	SHEET NO. 18
CONTRACT NO. 62H31			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.



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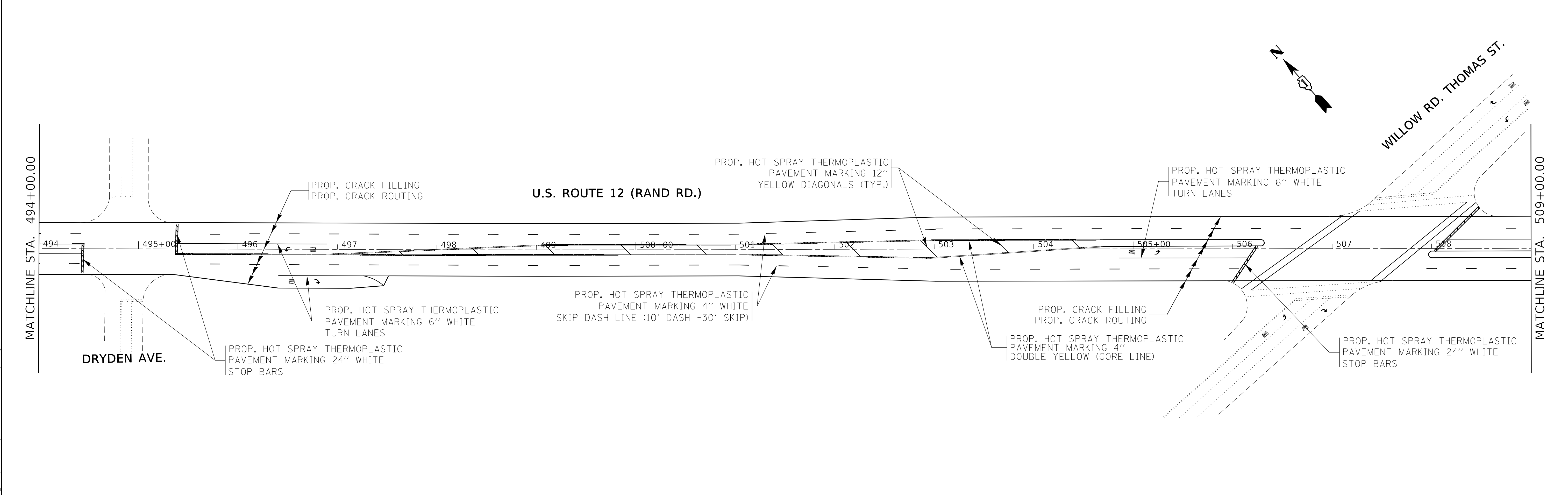
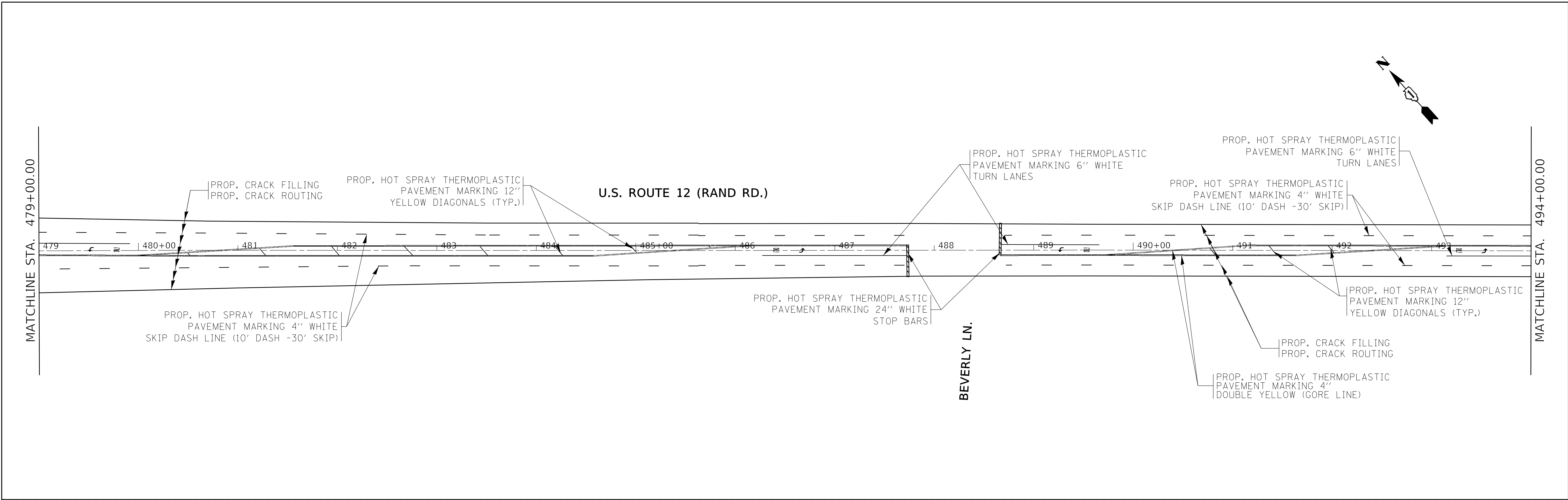
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
CRACK CONTROL TREATMENT

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	19
CONTRACT NO. 62H31				
ILLINOIS		FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. TO STA.



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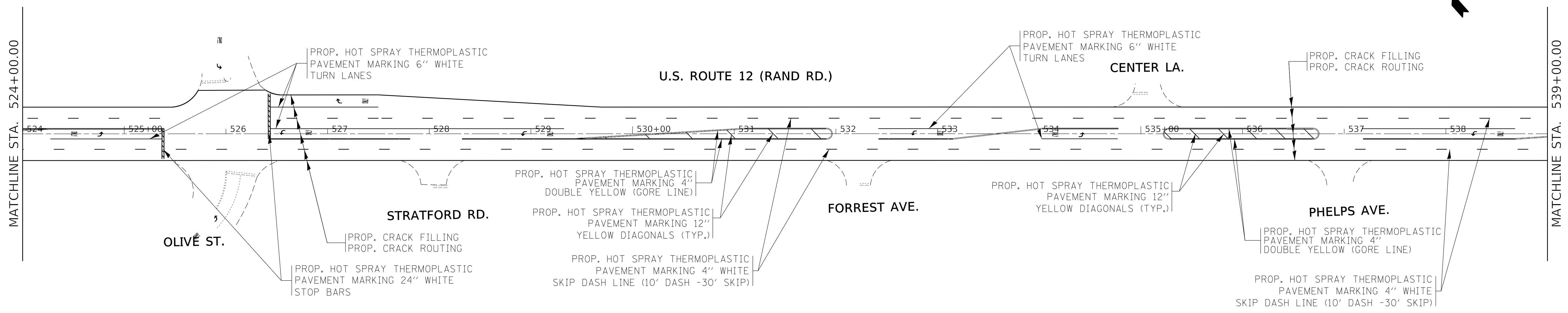
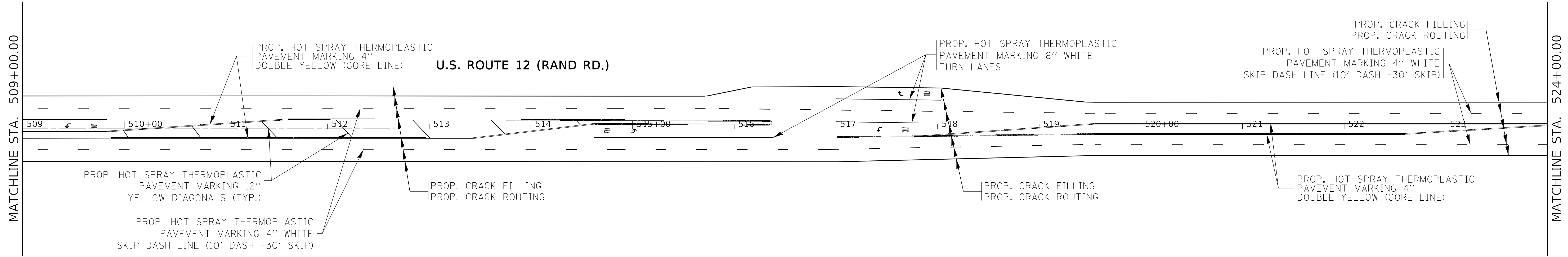
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PLOT DATE = 10/16/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
CRACK CONTROL TREATMENT

F.A.P. RTE. 334	SECTION 2018-085-CJS	COUNTY *	TOTAL SHEETS 35	SHEET NO. 20
CONTRACT NO. 62H31			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.



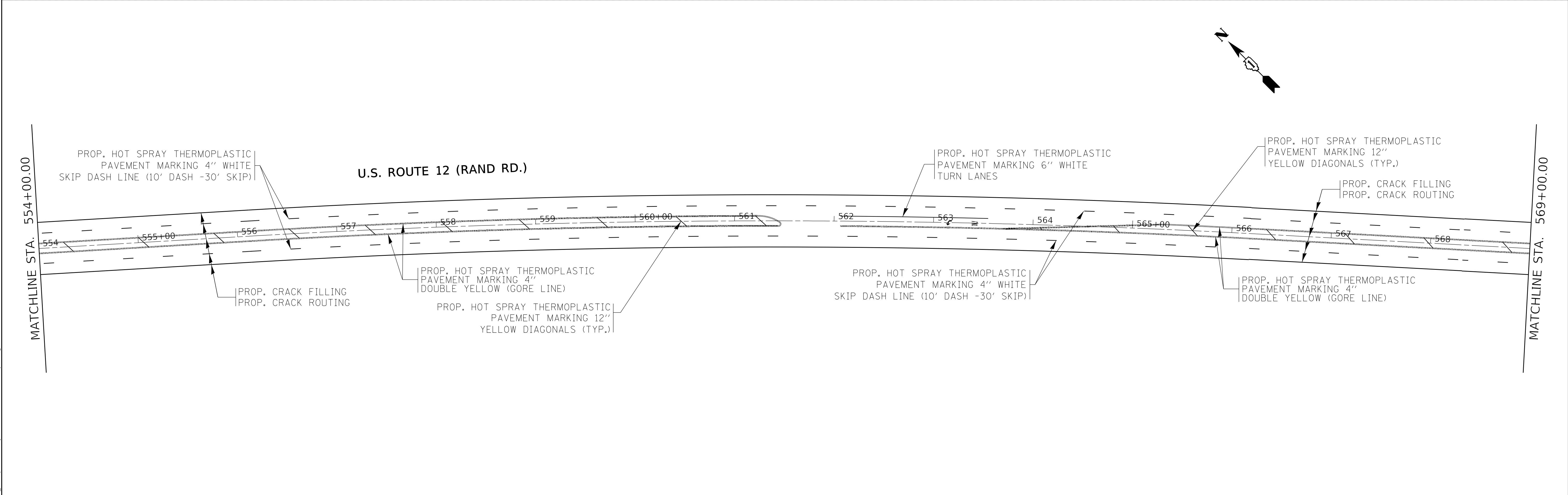
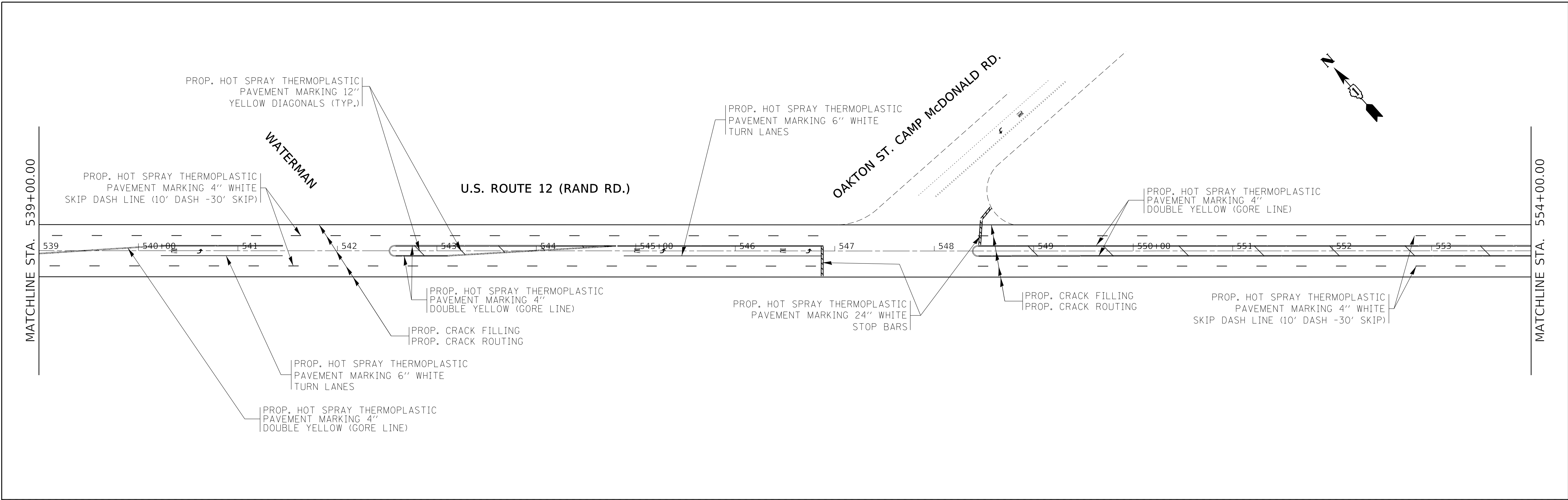
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PLOT DATE = 10/16/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION CRACK CONTROL TREATMENT				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	21
CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				



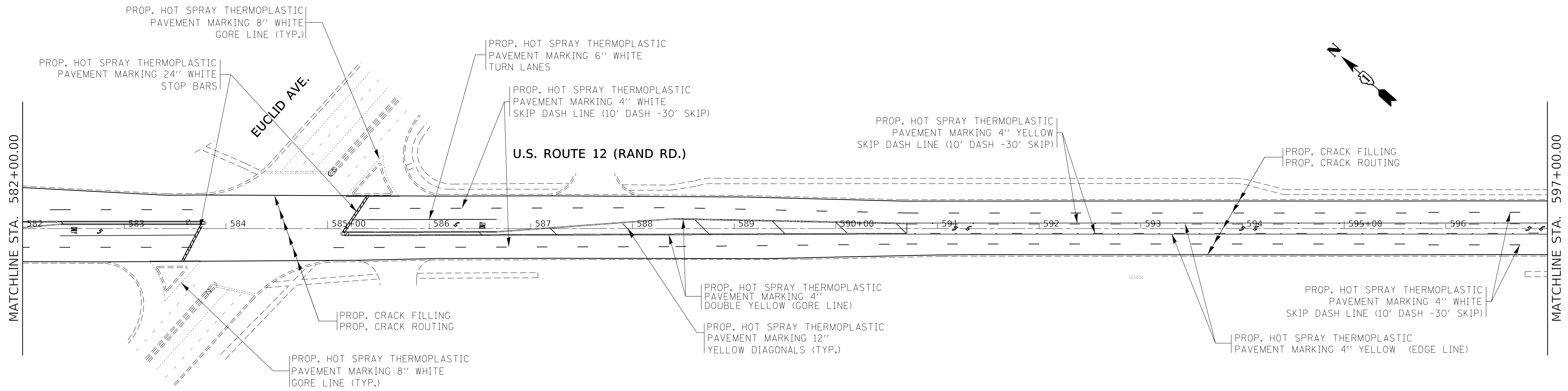
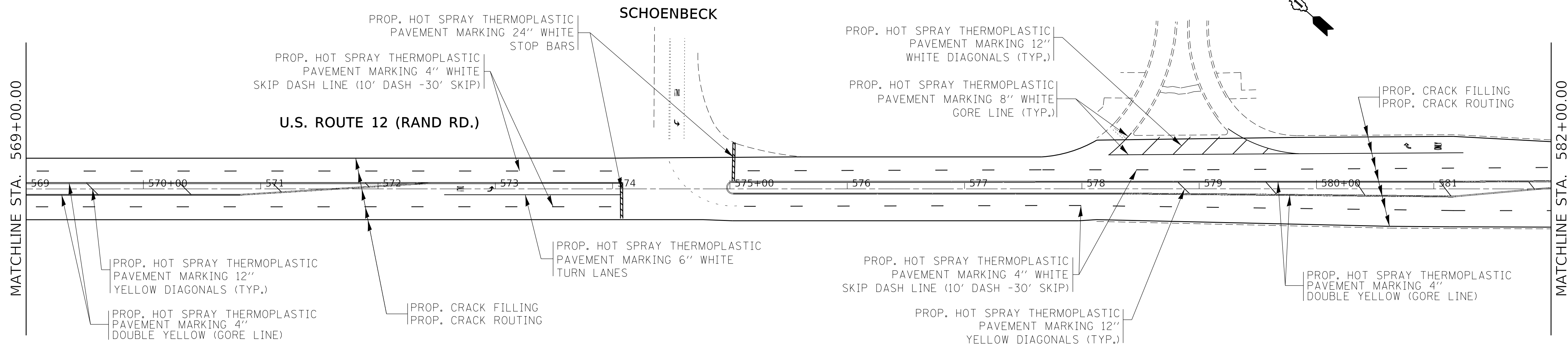
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PLOT DATE = 10/16/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
CRACK CONTROL TREATMENT

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	22
CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				



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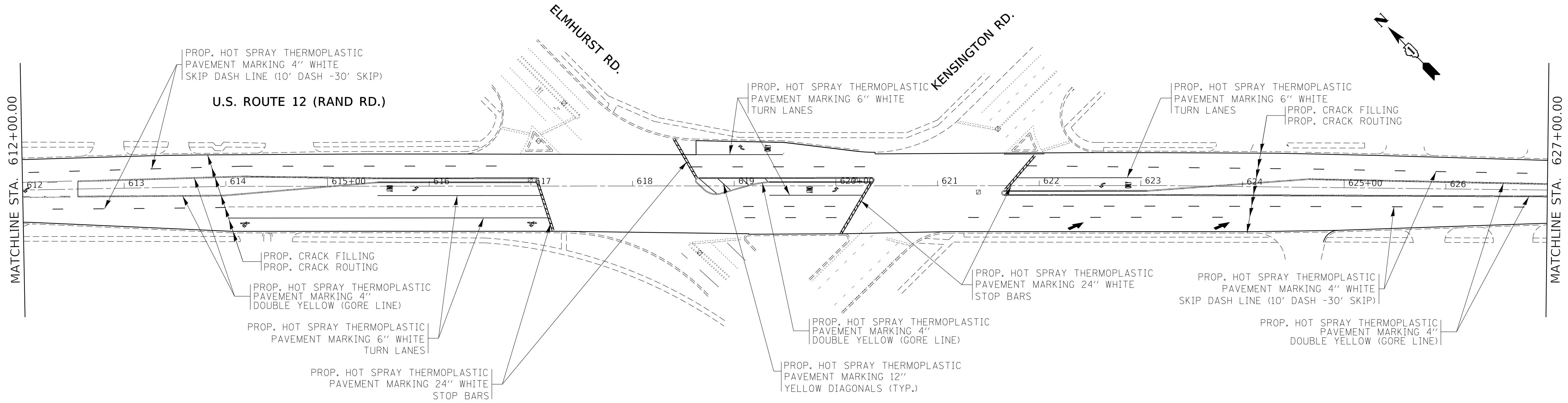
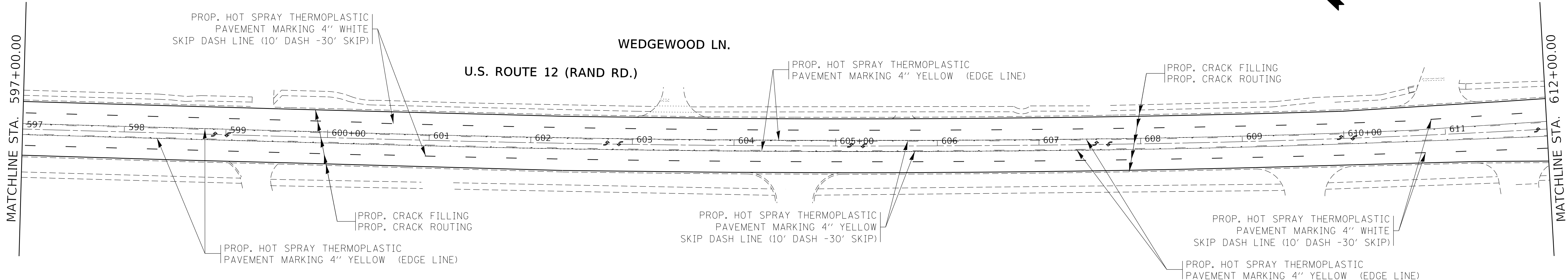
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
CRACK CONTROL TREATMENT

F.A.P. RTE. 334	SECTION 2018-085-CJS	COUNTY *	TOTAL SHEETS 35	SHEET NO. 23
CONTRACT NO. 62H31			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.



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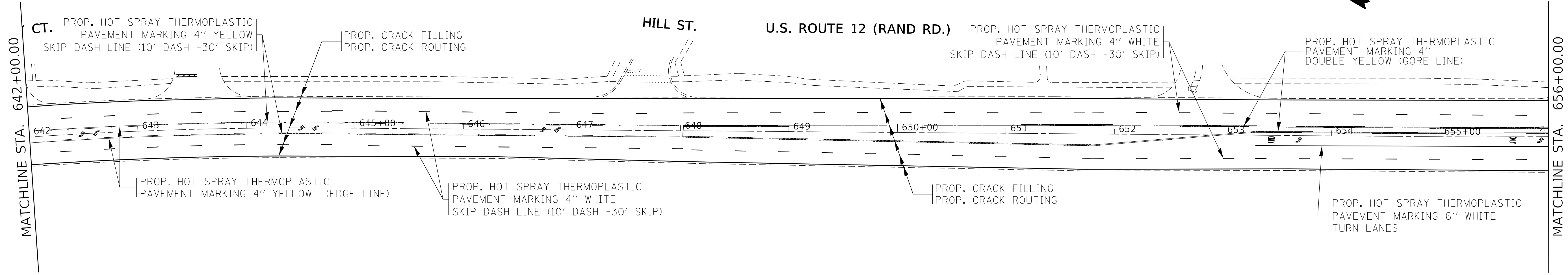
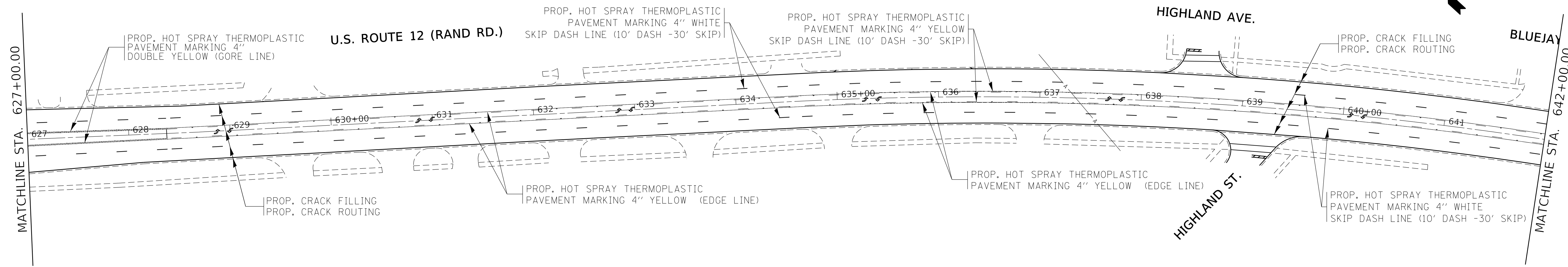
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PLOT DATE = 10/16/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
CRACK CONTROL TREATMENT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	24
CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				



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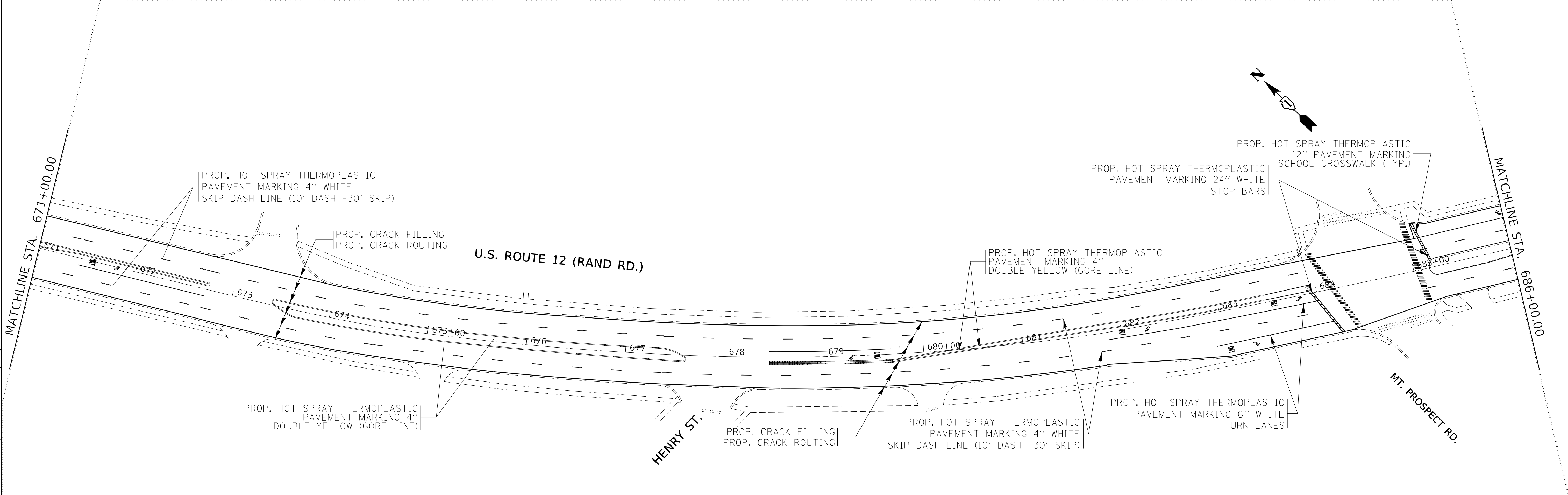
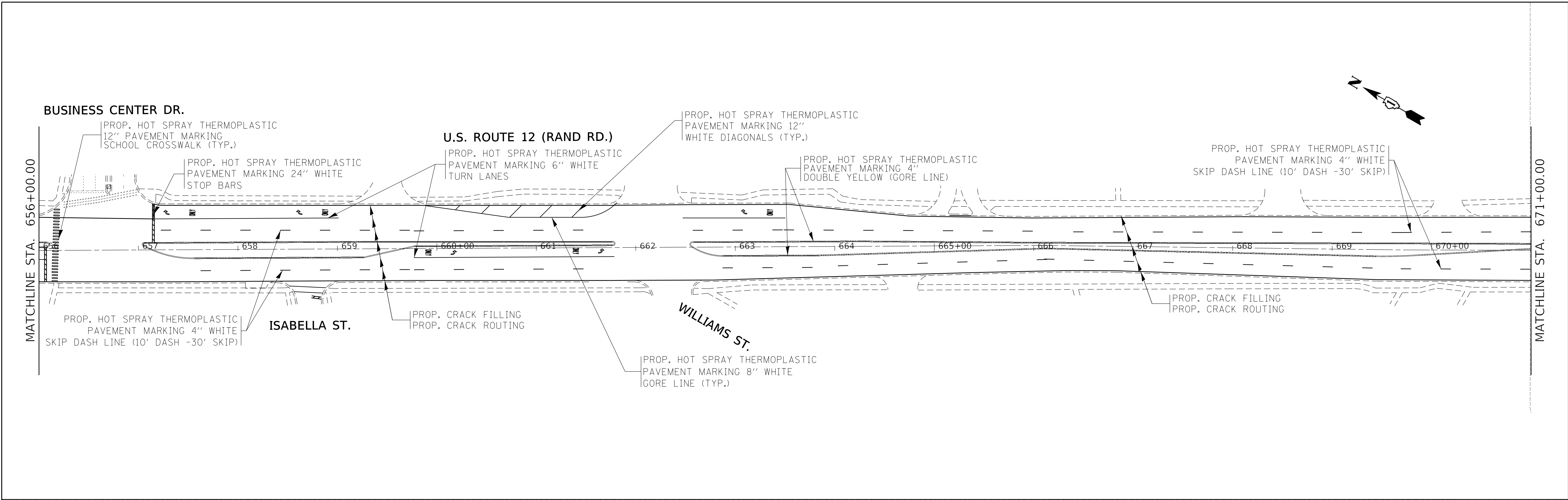
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PLOT DATE = 10/16/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
 CRACK CONTROL TREATMENT**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	25
CONTRACT NO. 62H31				



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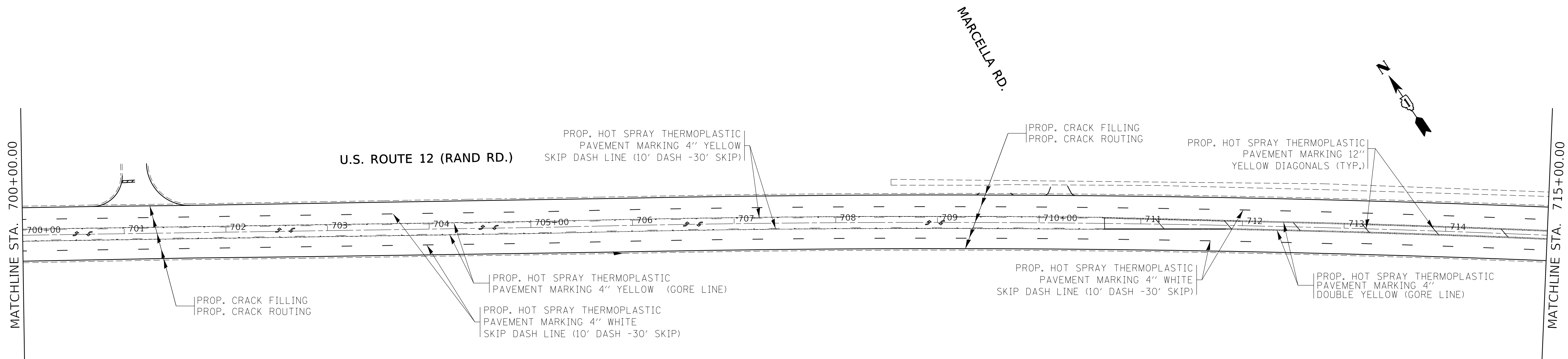
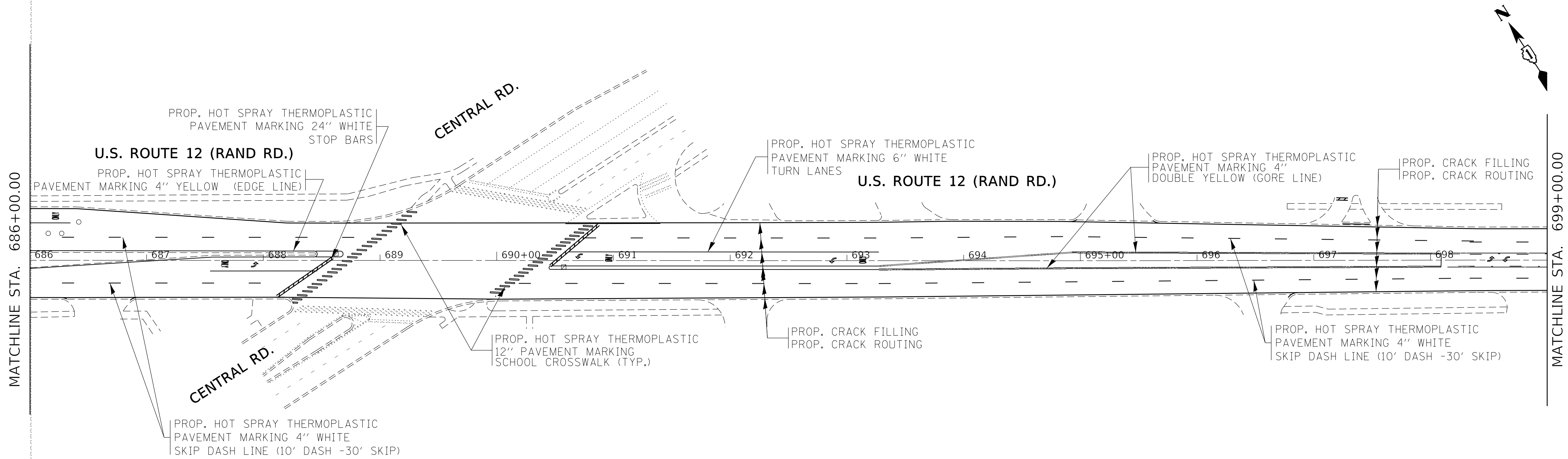
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PLOT DATE = 10/16/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
CRACK CONTROL TREATMENT

F.A.P. RTE. 334	SECTION 2018-085-CJS	COUNTY *	TOTAL SHEETS 35	SHEET NO. 26
CONTRACT NO. 62H31			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.



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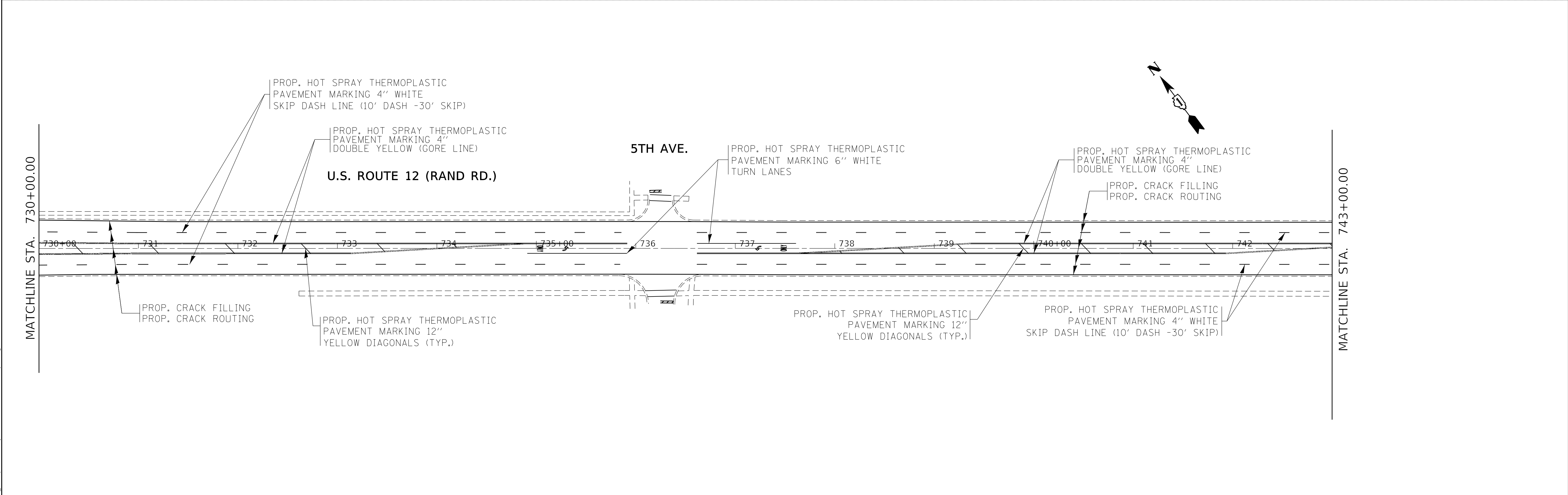
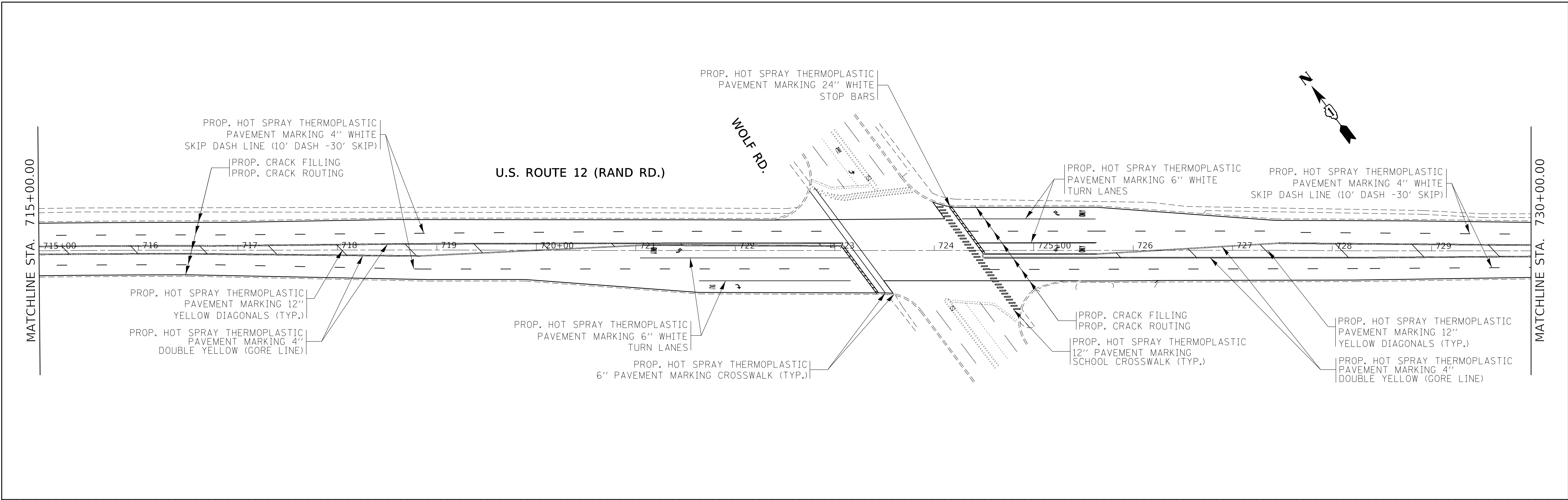
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
CRACK CONTROL TREATMENT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	27
CONTRACT NO. 62H31				

ILLINOIS FED. AID PROJECT
COOK & LAKE COUNTIES



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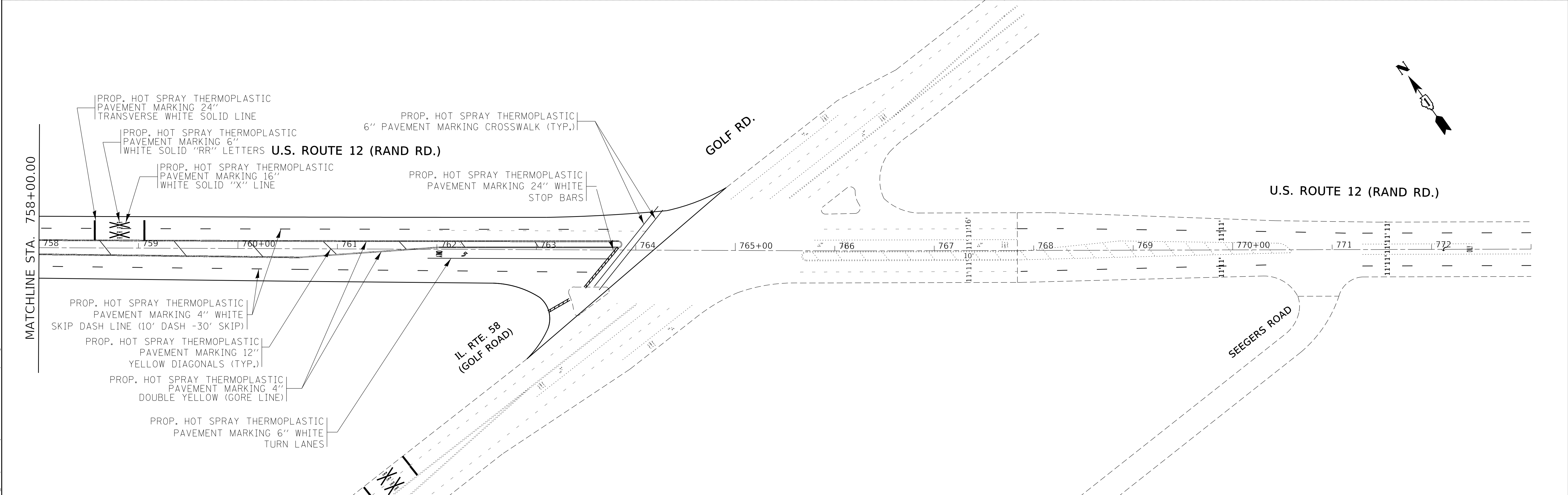
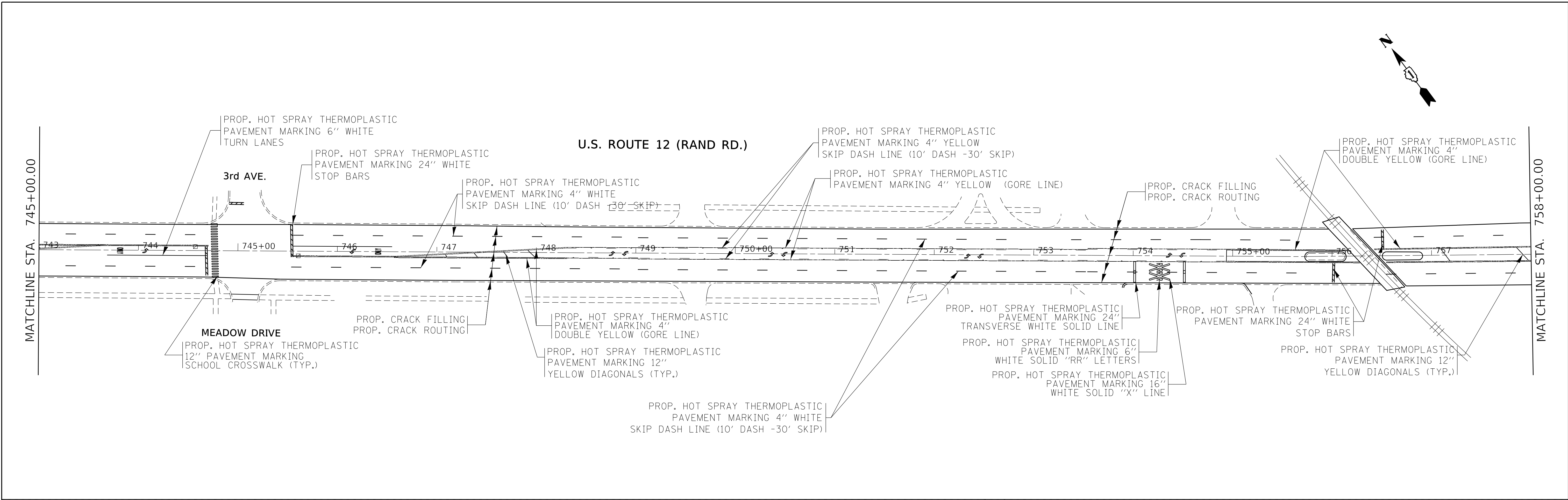
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
CRACK CONTROL TREATMENT

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	28
CONTRACT NO. 62H31				

SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT



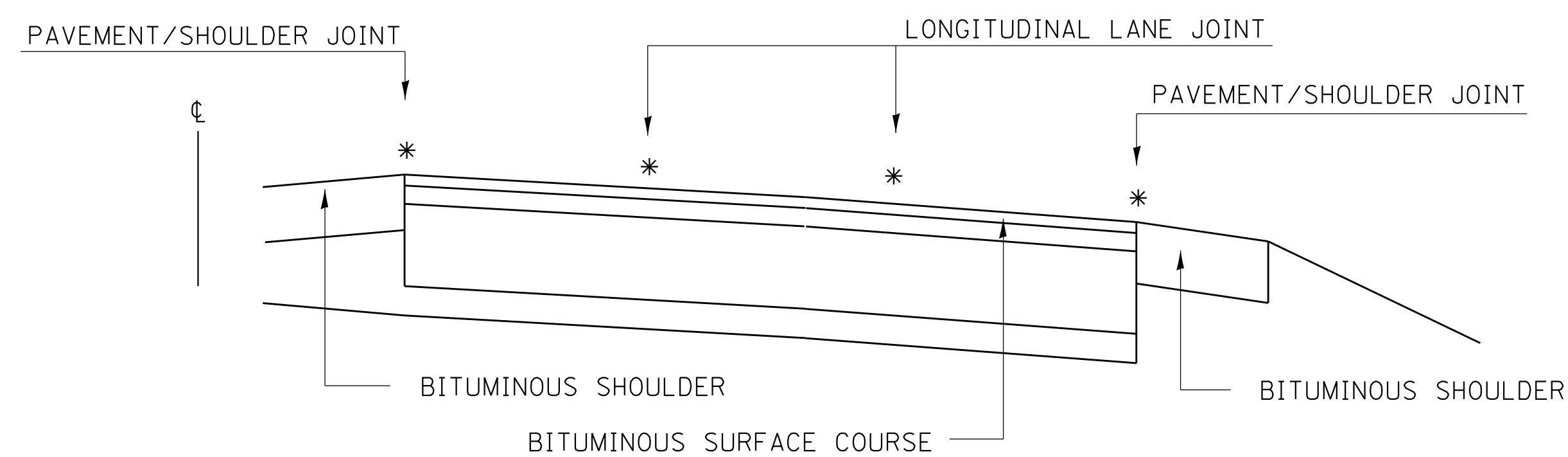
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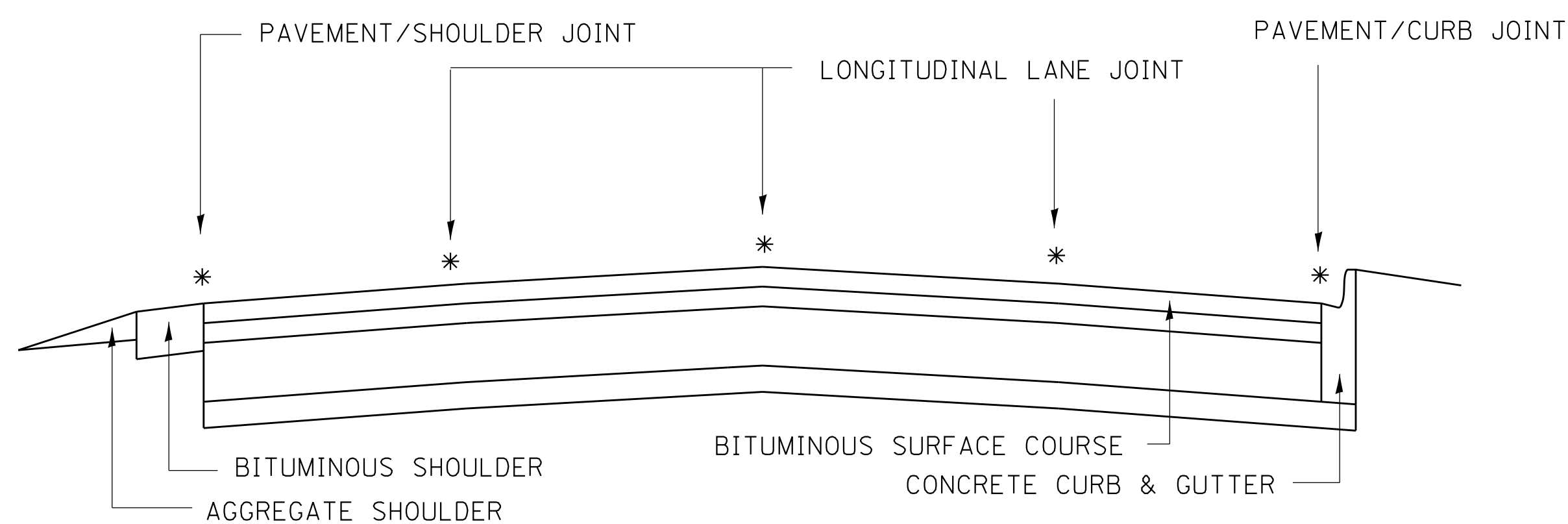
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 12 (ELA RD. TO IL 58) COOK COUNTY PORTION
CRACK CONTROL TREATMENT

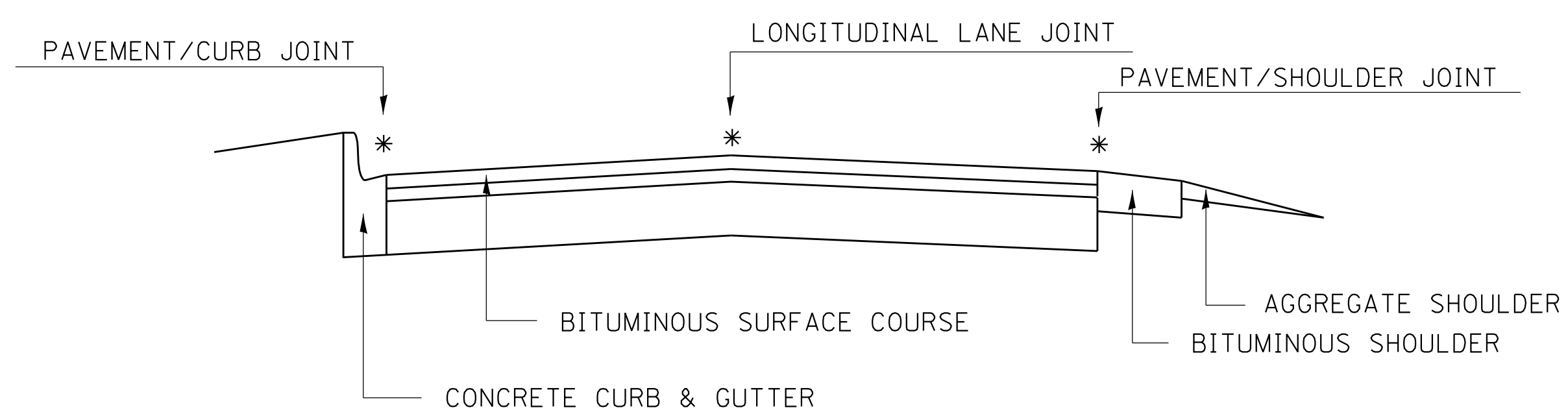
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CONTRACT NO. 62H31				
ILLINOIS FED. AID PROJECT				



MULTI-LANE DIVIDED PAVEMENT



MULTI-LANE UNDIVIDED PAVEMENT

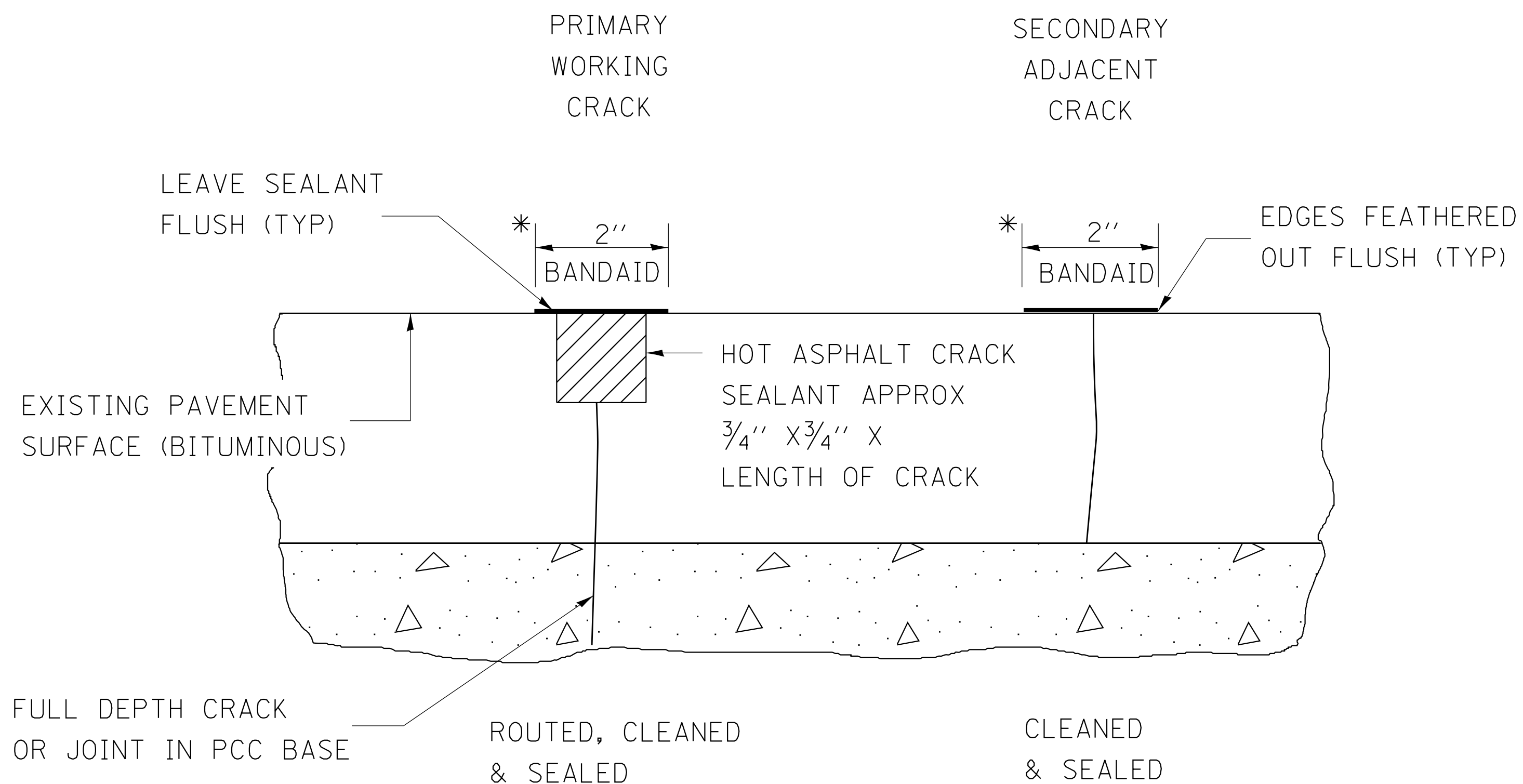


TWO-LANE PAVEMENT

PROPOSED TRANSVERSE CRACK ROUTING (PAVEMENT) & CRACK FILLING LOCATIONS NOT SHOWN

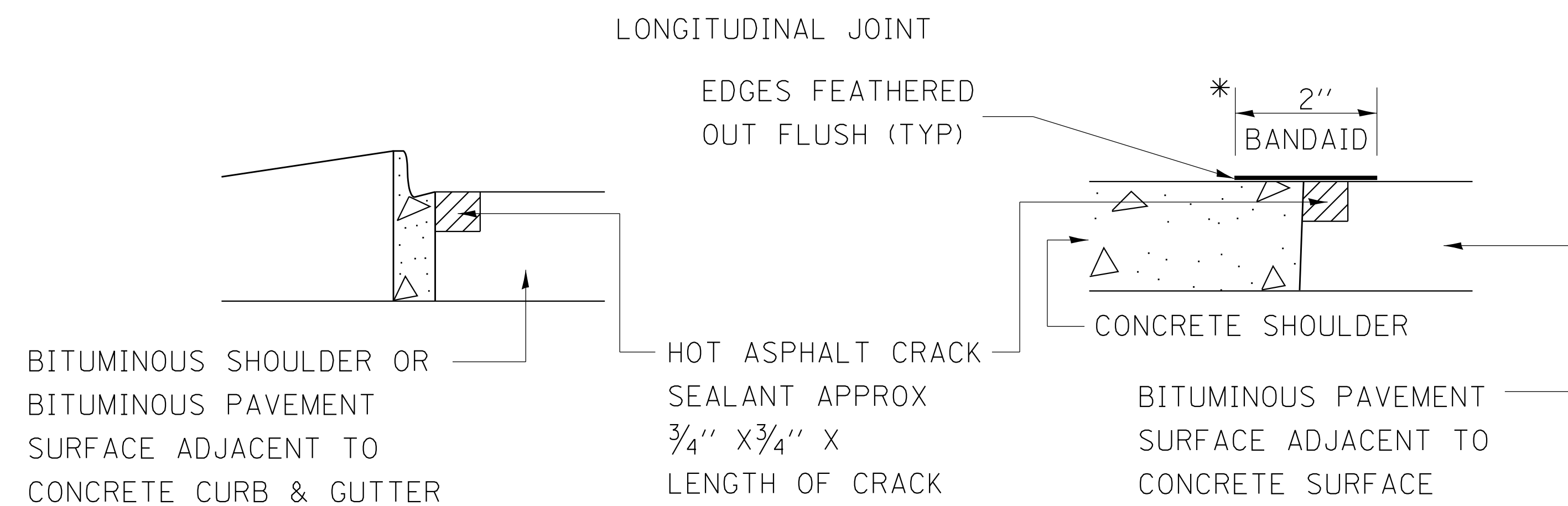
* PROPOSED LONGITUDINAL CRACK ROUTING (PAVEMENT) & CRACK FILLING LOCATIONS

GENERAL EXISTING TYPICAL SECTIONS



*

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 HOT SPRAY THERMOPLASTIC PAVEMENT MARKINGS.



CRACK & JOINT SEALING DETAIL

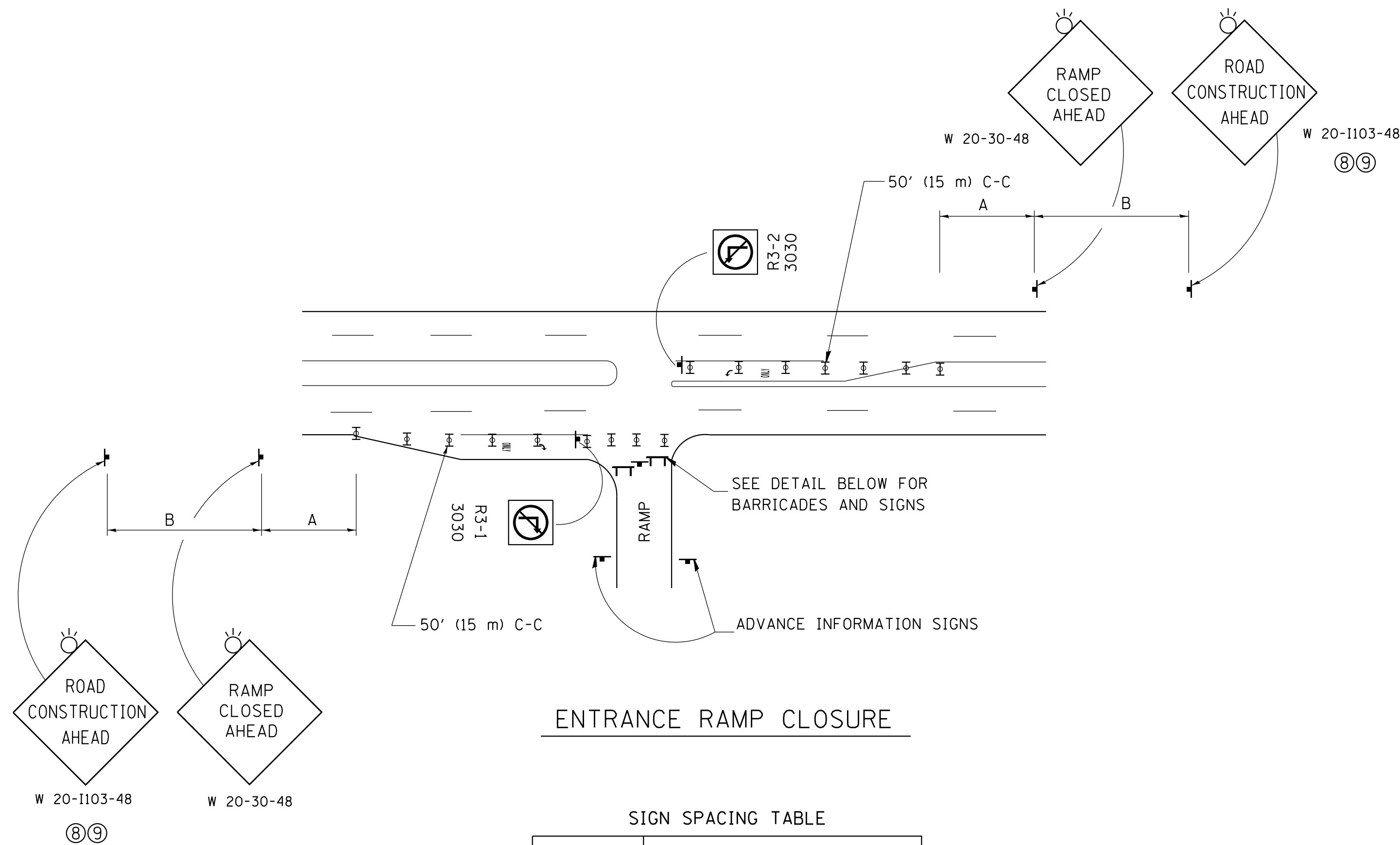
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRACK & JOINT SEALING DETAIL
U.S. ROUTE 12 (ELA RD. TO IL 58)

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

F.A.P. RTE. 334	SECTION 2018-085-CJS	COUNTY *	TOTAL SHEETS 35	SHEET NO. 30
CONTRACT NO. 62H31			ILLINOIS FED. AID PROJECT	

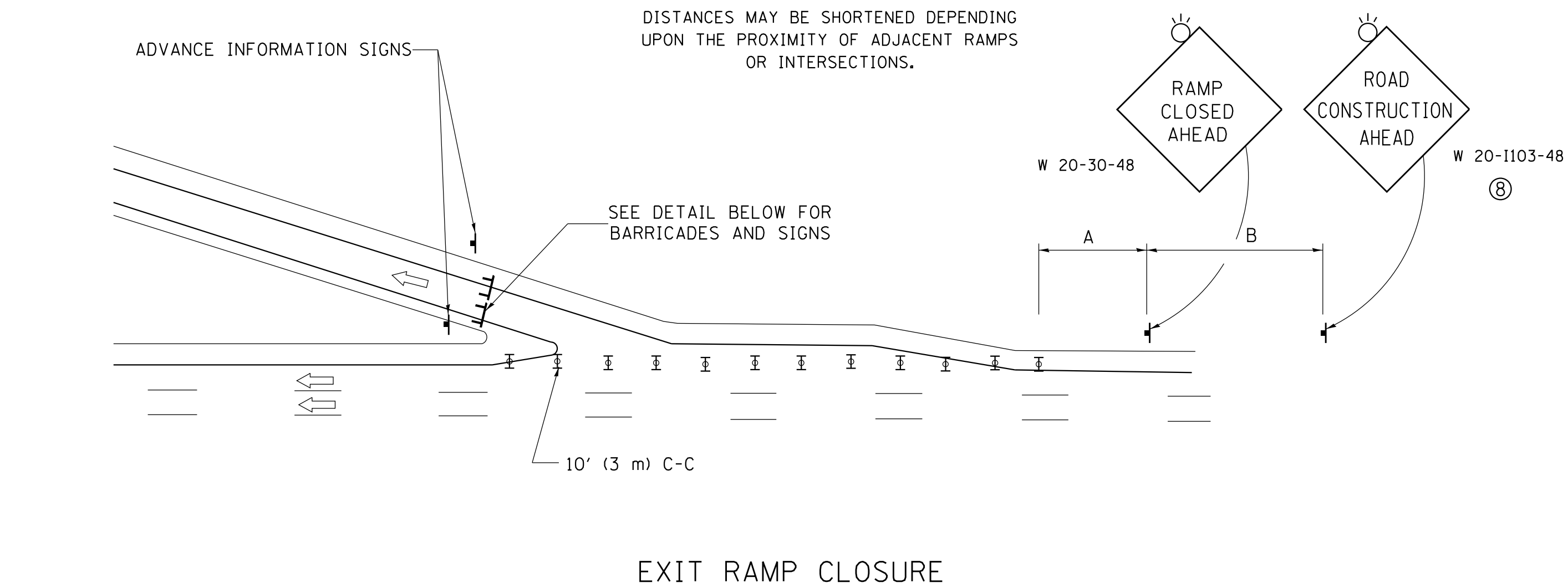


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

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

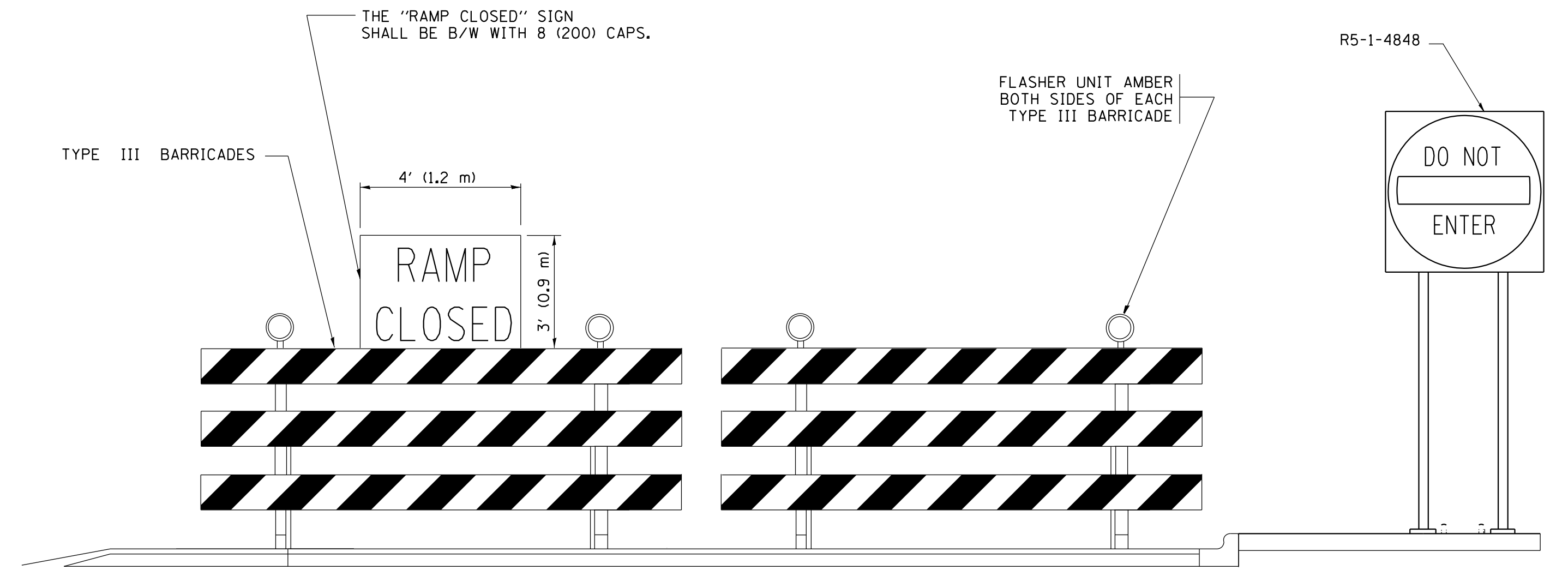
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

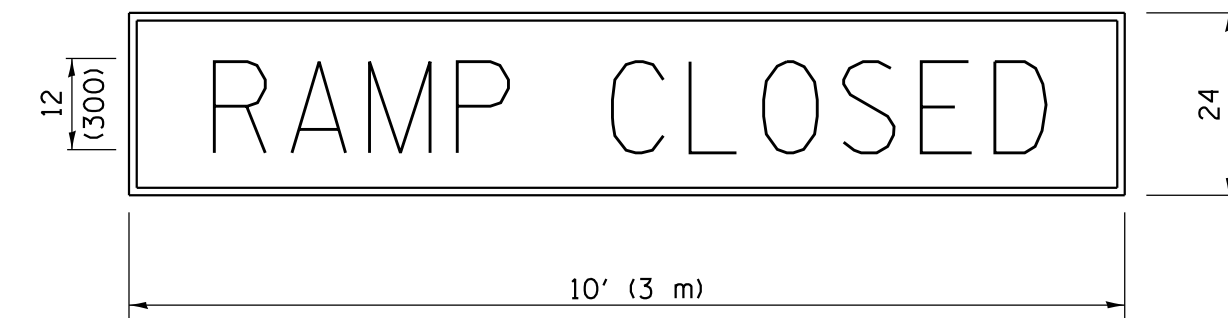
SYMBOLS

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



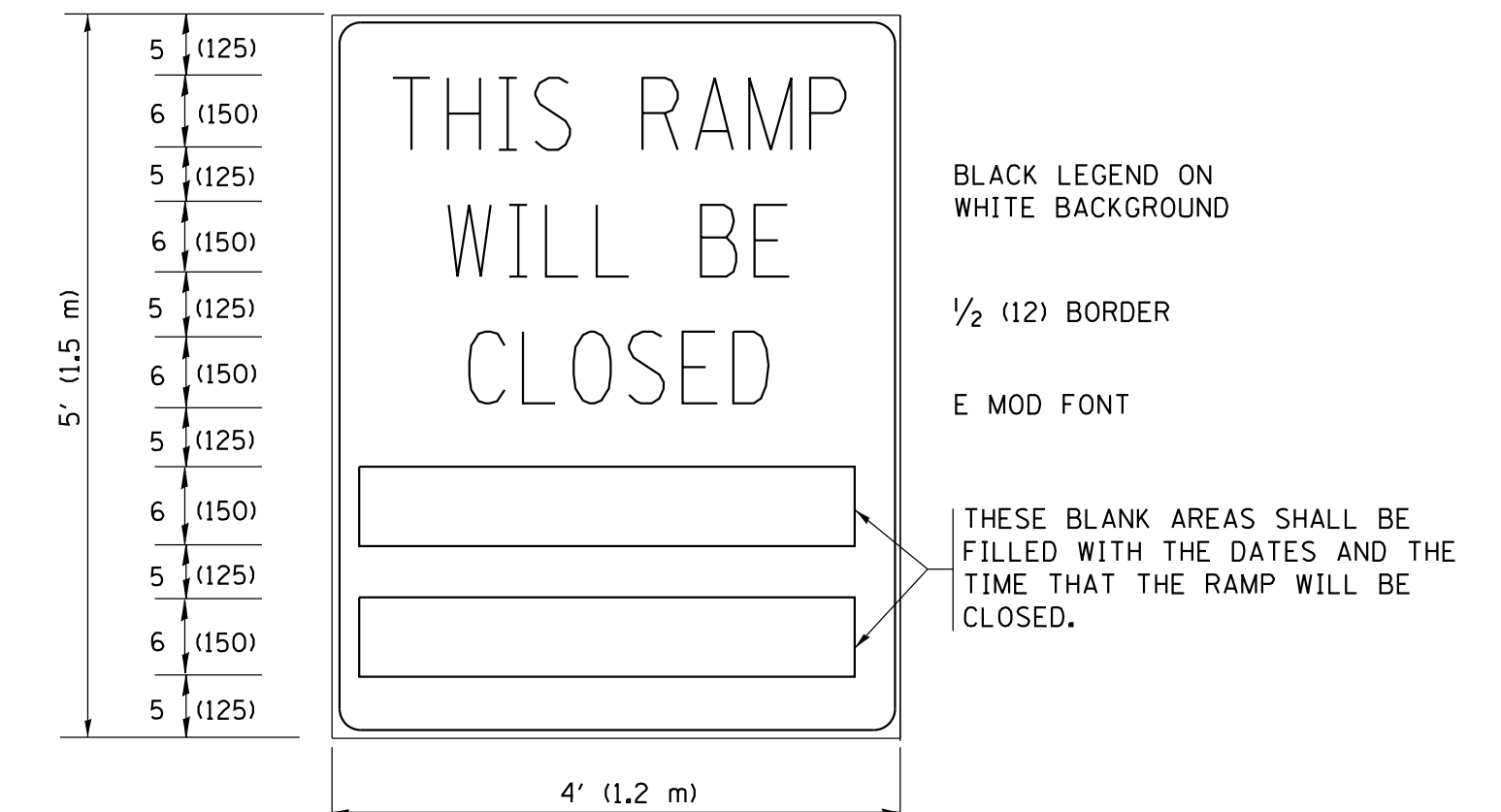
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY E MOD FONT 1 (25) BORDER
 THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
 THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

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

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

FILE NAME =	USER NAME = hemj	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
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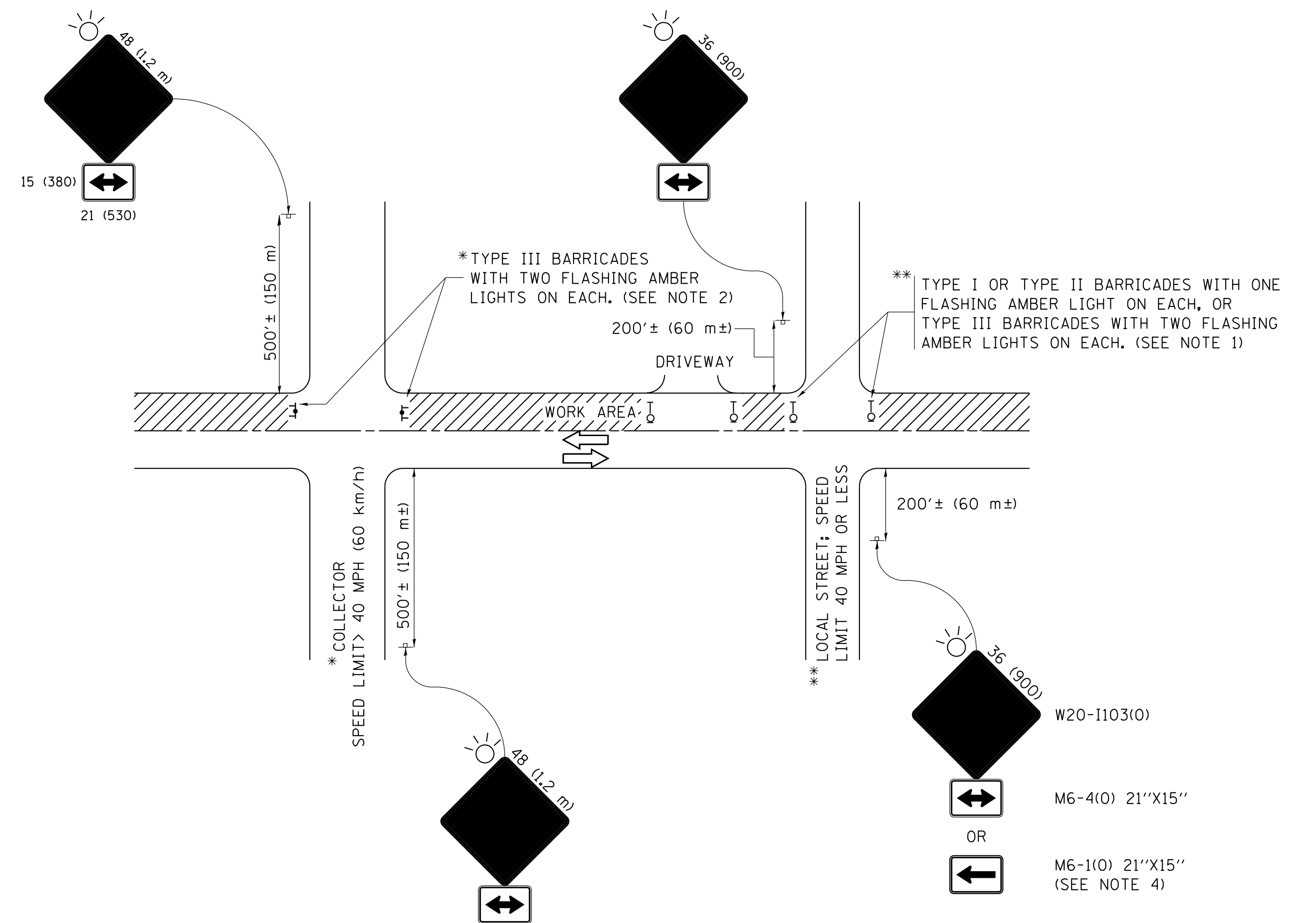
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ENTRANCE AND EXIT RAMP
 CLOSURE DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	31
TC-08			CONTRACT NO. 62H31	

ILLINOIS FED. AID PROJECT
 COOK & LAKE COUNTIES



NOTES:

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

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

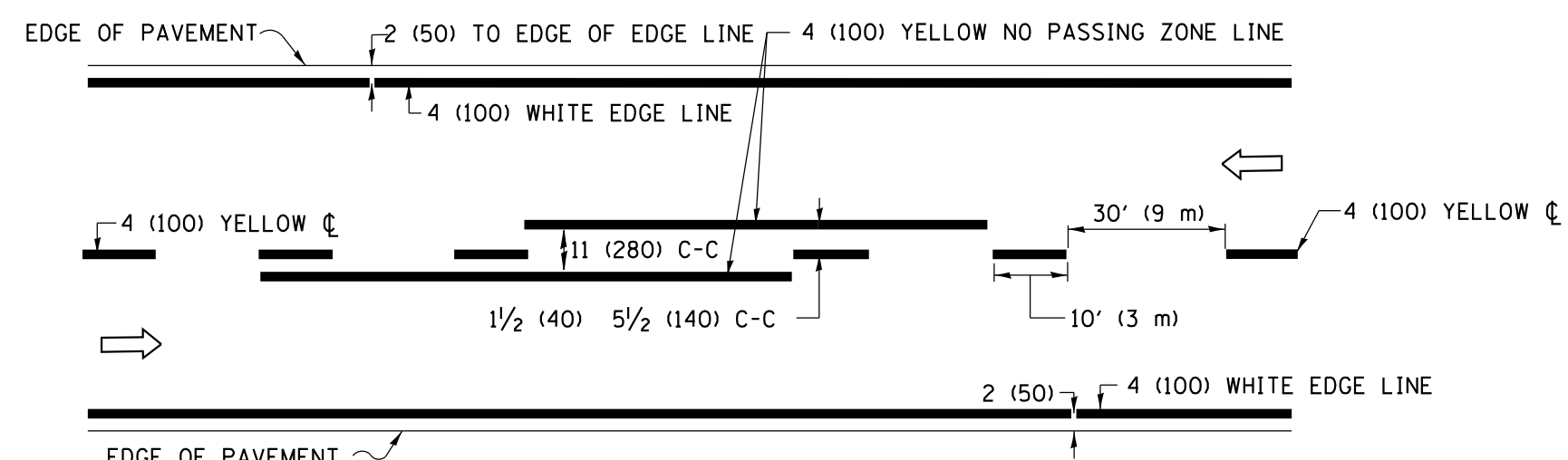
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Default	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 10/16/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

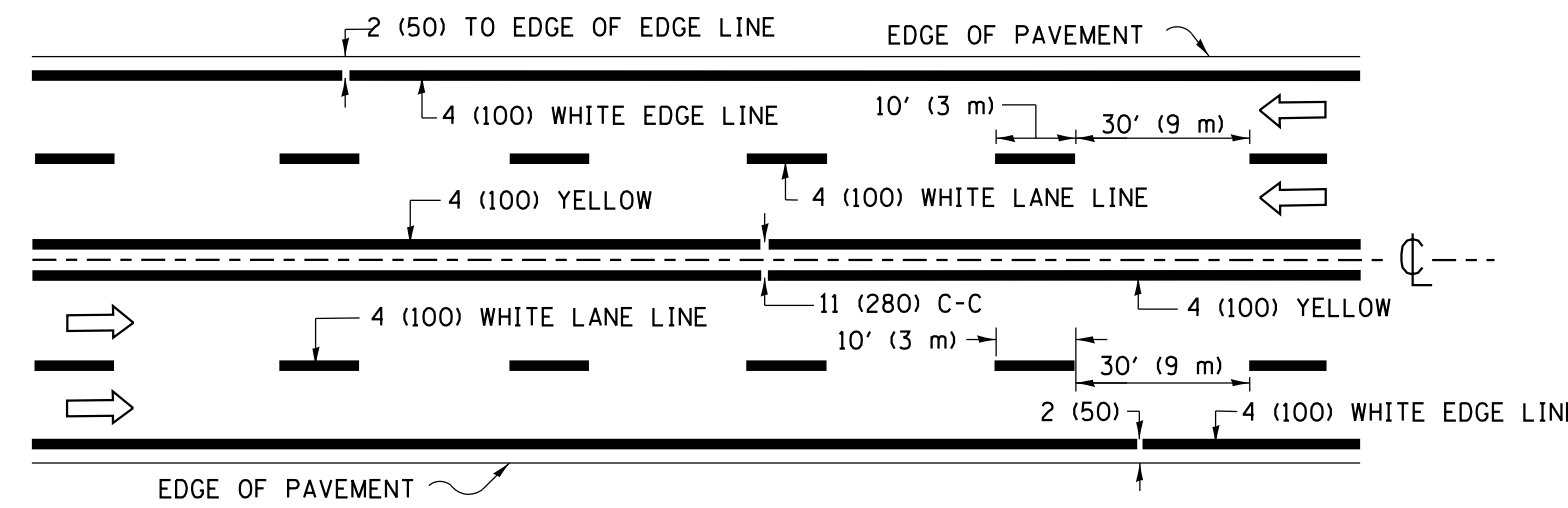
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

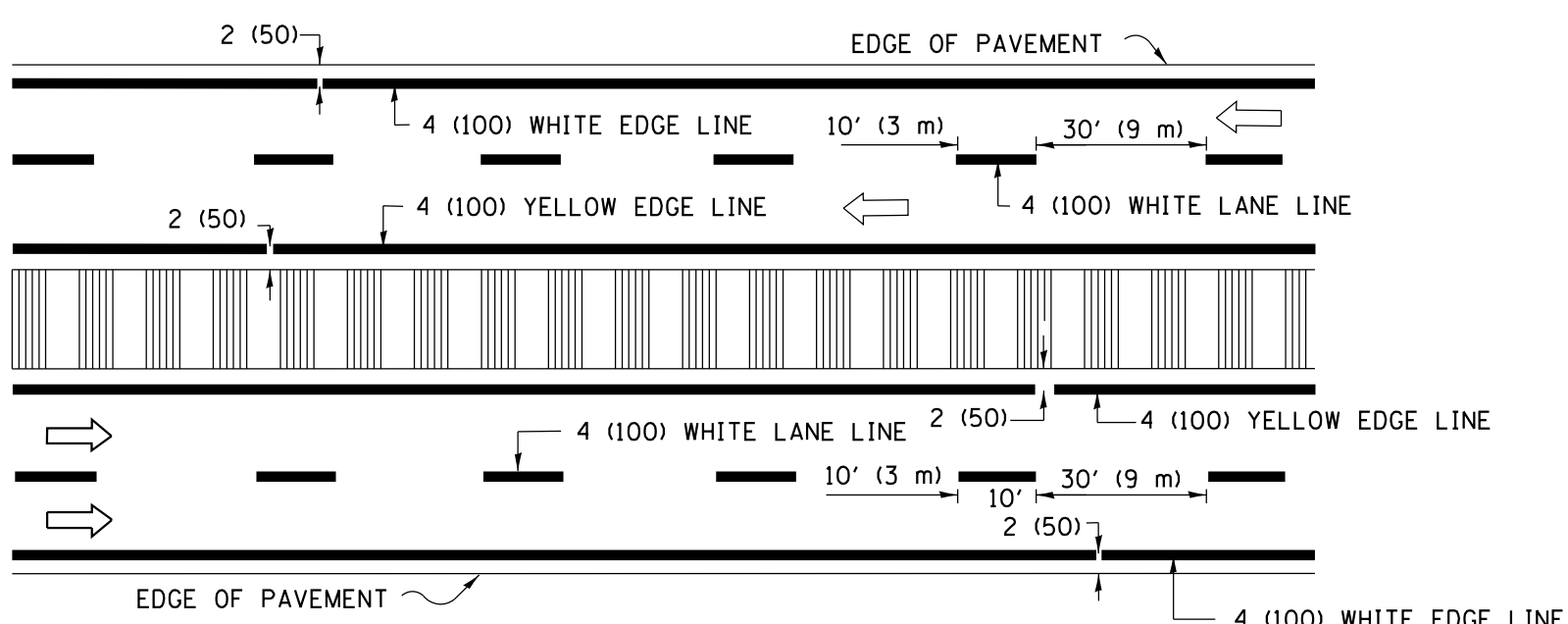
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	32
TC-10			CONTRACT NO. 62H31	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

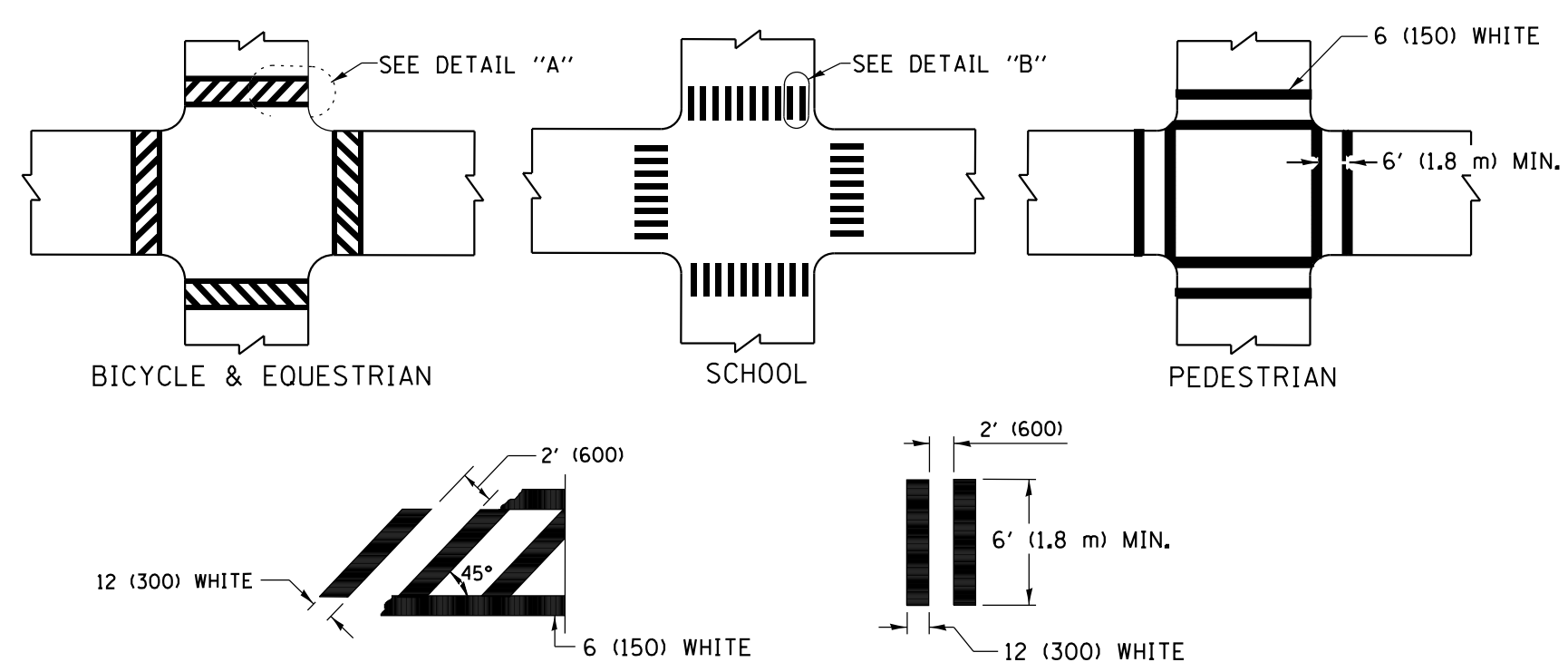


MULTI-LANE UNDIVIDED



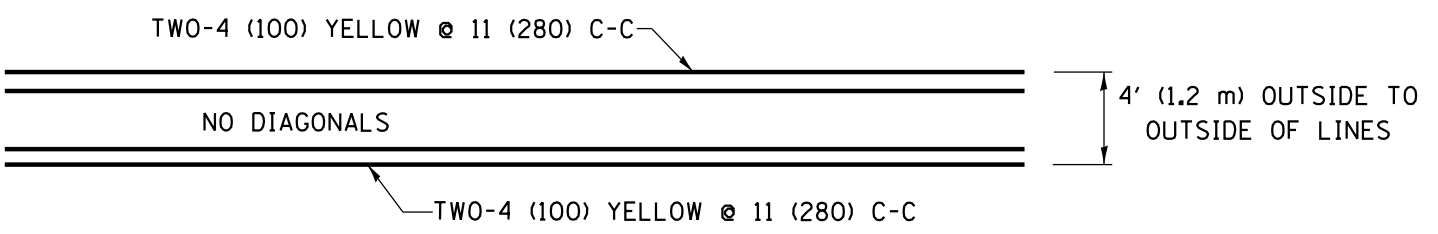
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

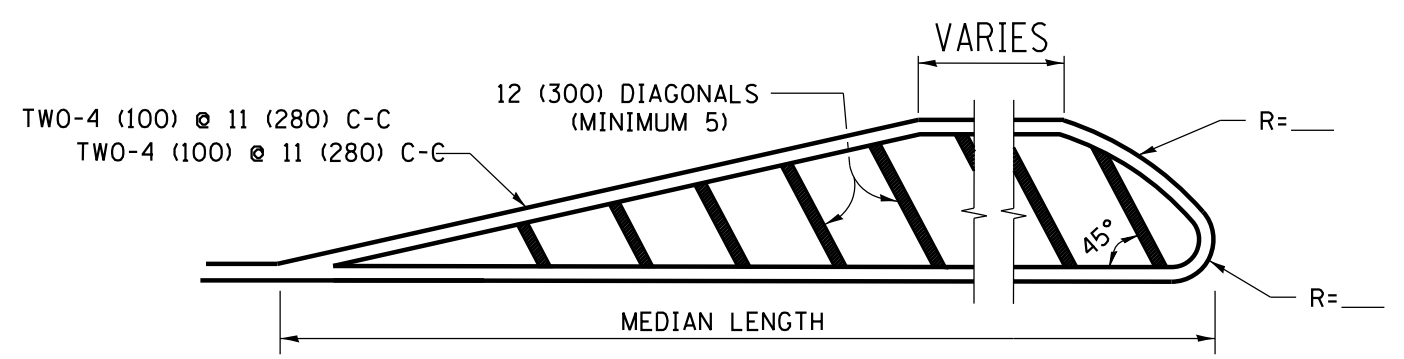


TYPICAL CROSSWALK MARKING

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

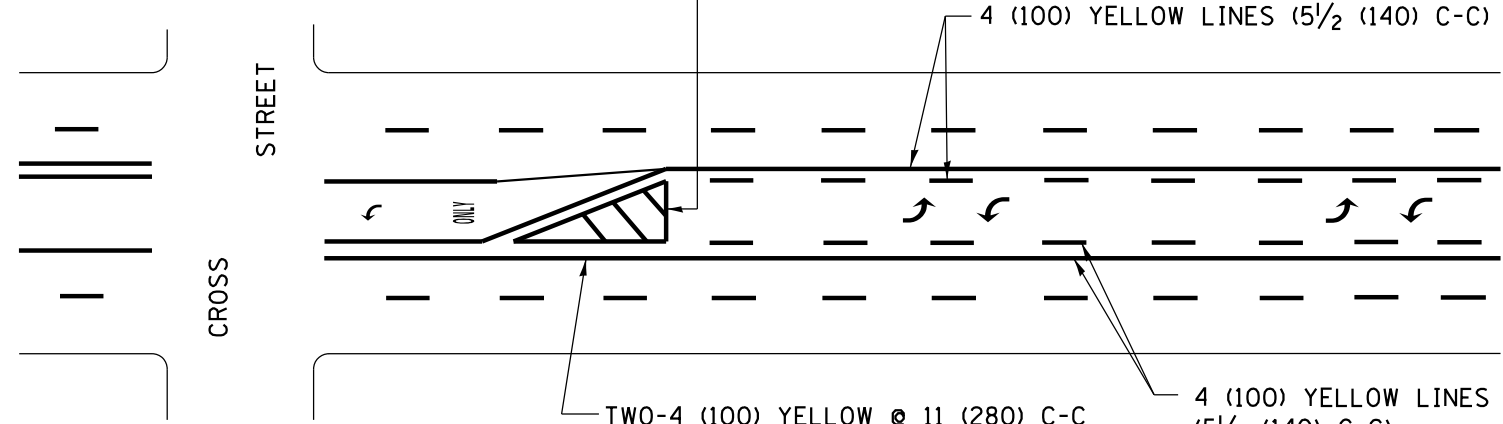


4' (1.2 m) WIDE MEDIANS ONLY

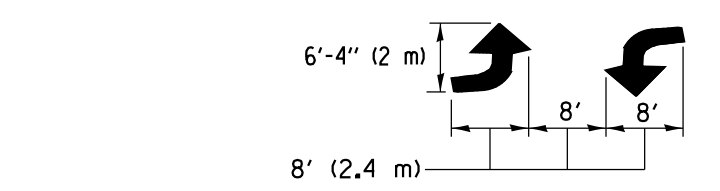


MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

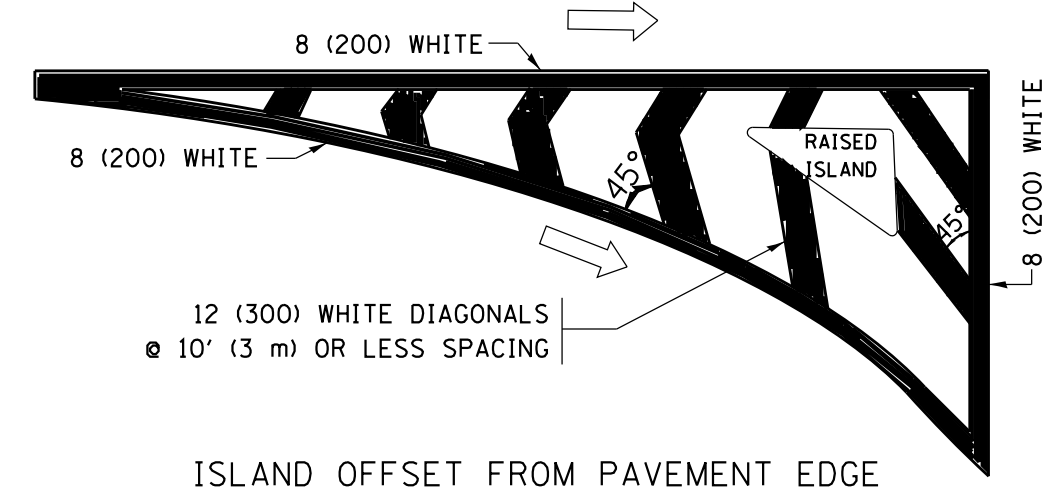


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

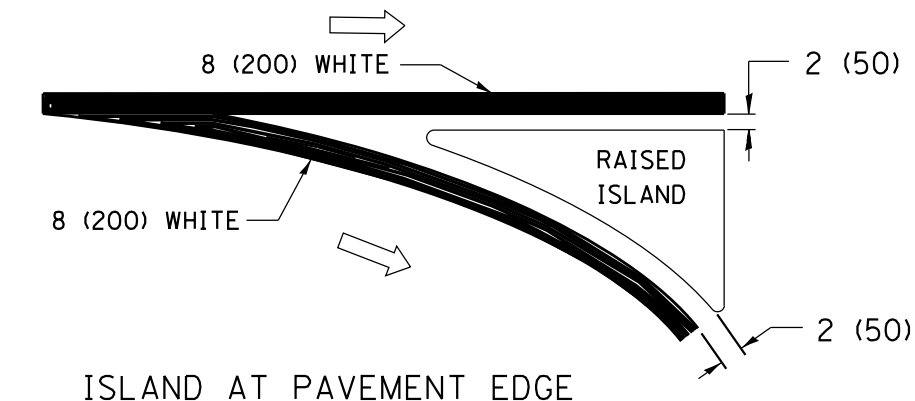


TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

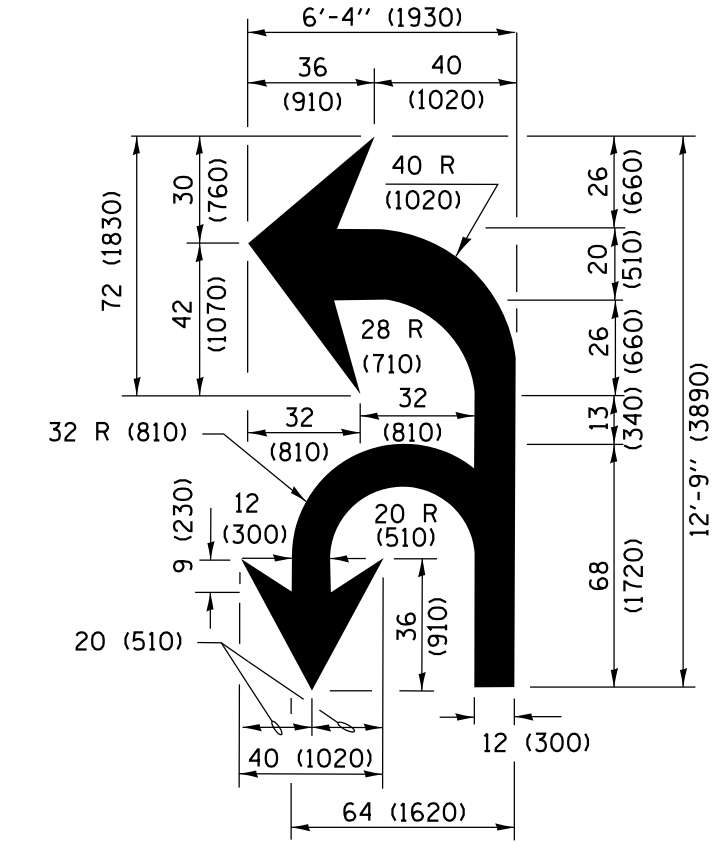
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



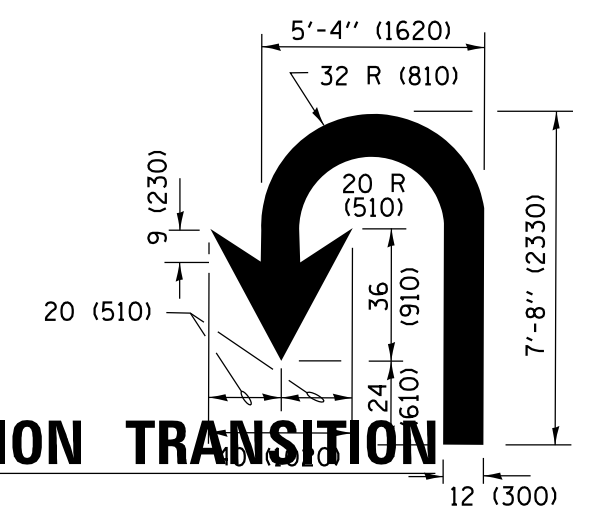
ISLAND OFFSET FROM PAVEMENT EDGE



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

SPEED LIMIT	
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

FILE NAME =	USER NAME = hemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
et:\pw\work\p\dot\hemj\d0578749\DI02519	sh-t-p\len.dgn	DRAWN -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50.0000 / 1 in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 10/16/2018	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	*	35	33
TC-13			CONTRACT NO. 62H31	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

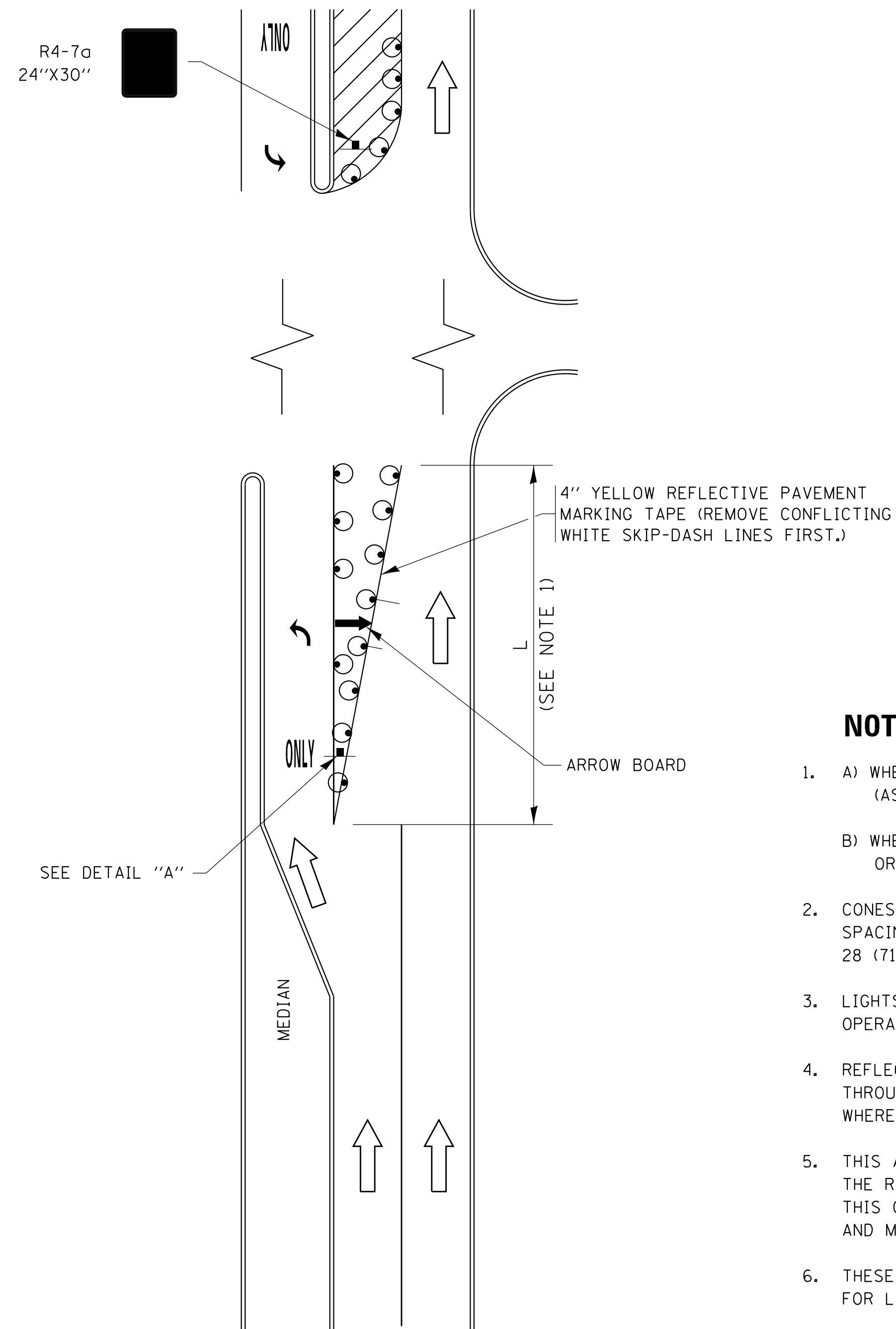


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

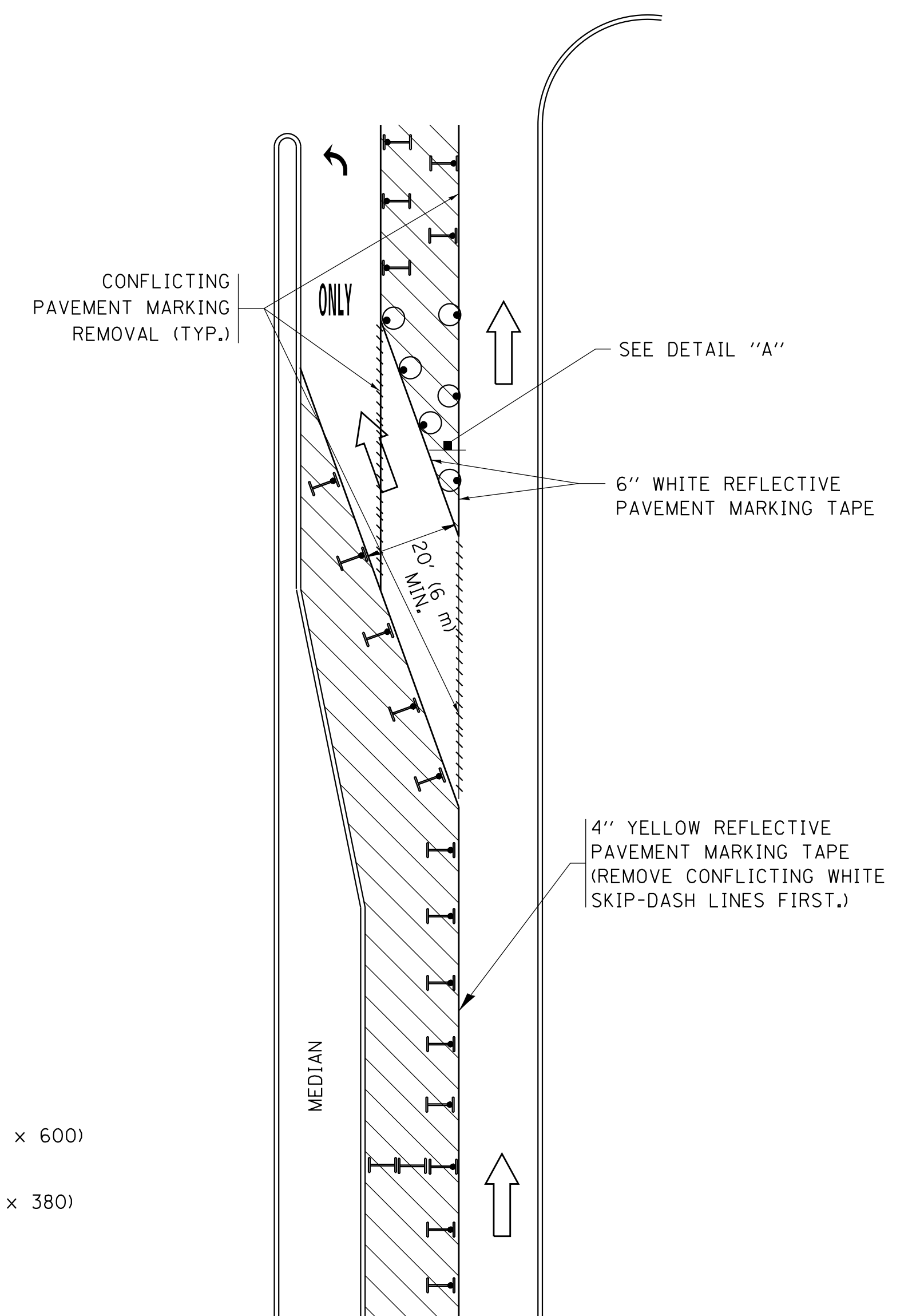


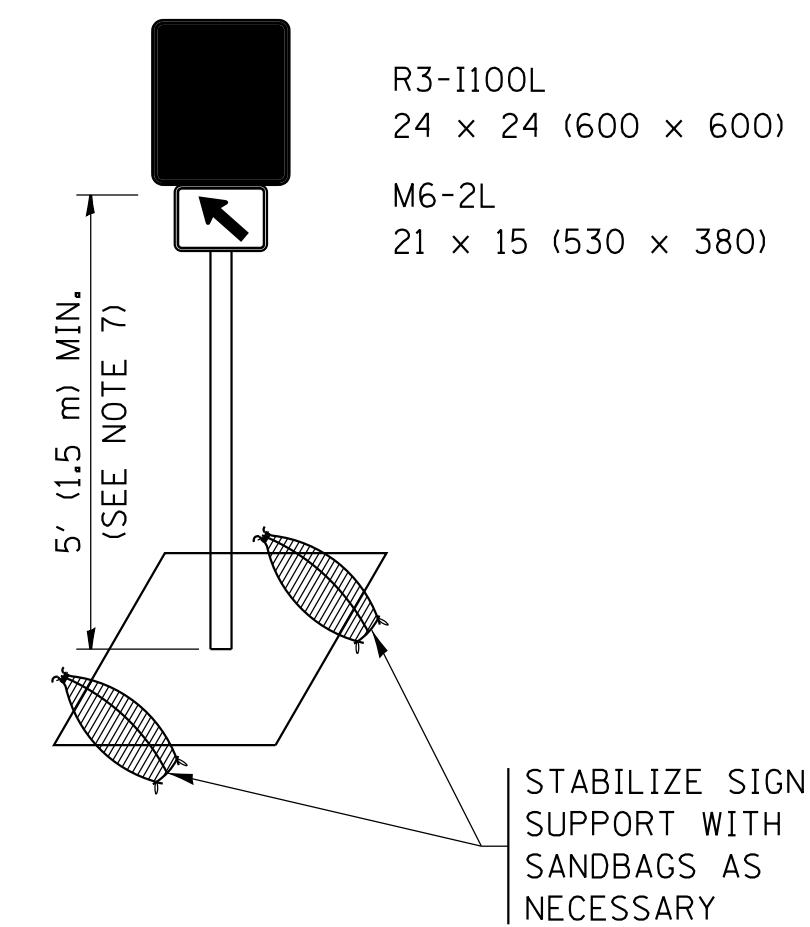
FIGURE 2

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:

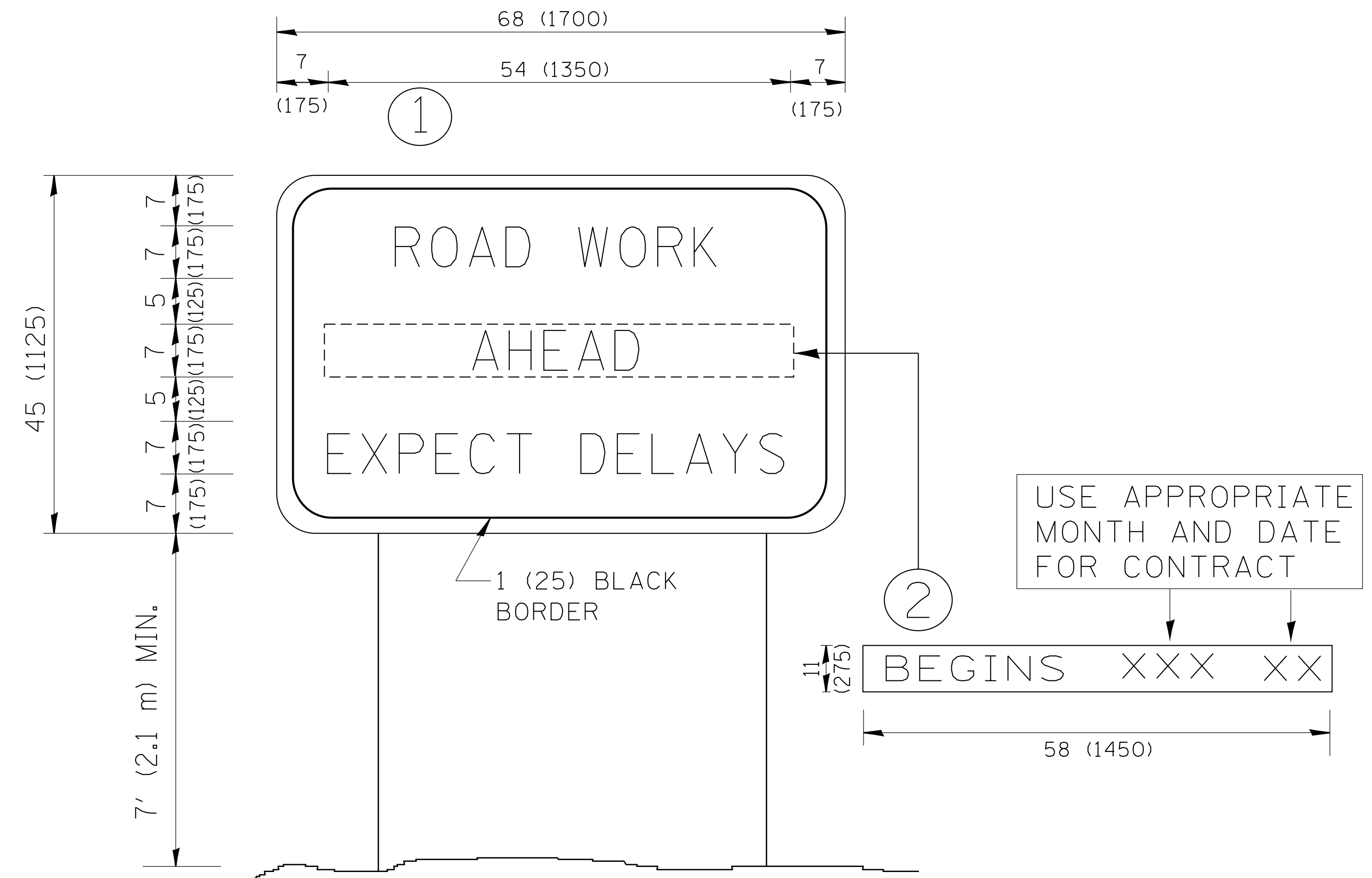
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. 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-I100R 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 PREQUIREMENTS.
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.

FILE NAME =	USER NAME = hemj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 50.0000' / 1"	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO. 62H31			
	PLOT DATE = 10/16/2018	REVISED - T. RAMMACHER 01-06-00	REVISED -			ILLINOIS FED. AID PROJECT		COOK & LAKE COUNTIES			
					SCALE: NONE	SHEET 1 OF 1 SHEETS		STA.	TO STA.		



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.

FILE NAME =	USER NAME = hemj	DESIGNED -	REVISED - R. MIRS 09-15-97
et:\pw_work\pwsdot\hemj\d0578749\DI02519	sh-t-plen.dgn	DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 10/16/2018	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	2018-085-CJS	.	35	35
TC-22			CONTRACT NO. 62H31	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				