

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2020-068-1	COOK	24	1
		ILLINOIS	CONTRACT NO. 62L46	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

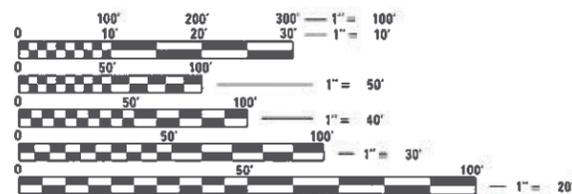
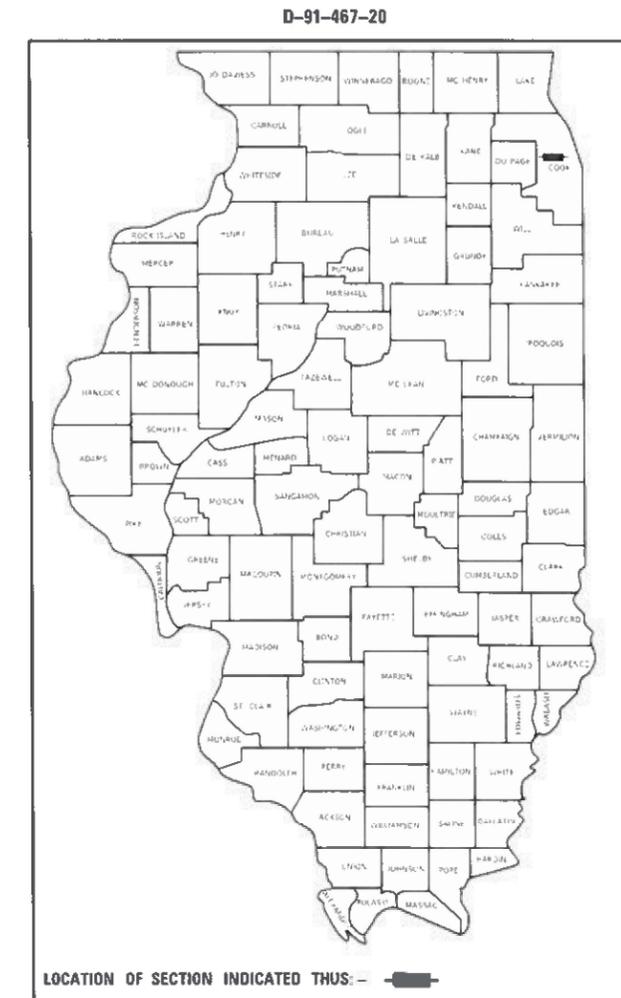
PROJECT LOCATED IN VILLAGES OF HILLSIDE, BELLWOOD, MAYWOOD, FOREST PARK, BROADVIEW AND OAK PARK

TRAFFIC DATA:
ADT 2019: 186200
SPEED LIMIT = 55 MPH

**PROPOSED
HIGHWAY PLANS**

**F.A.I. ROUTE 290 : I-290 (EISENHOWER EXPW)
FROM I-88 TO EAST OF AUSTIN BLVD
SECTION: 2020-068-1
PROJECT: NHPP-RKPD (946)
CRACK AND JOINT SEALING
COOK COUNTY**

C-91-265-20

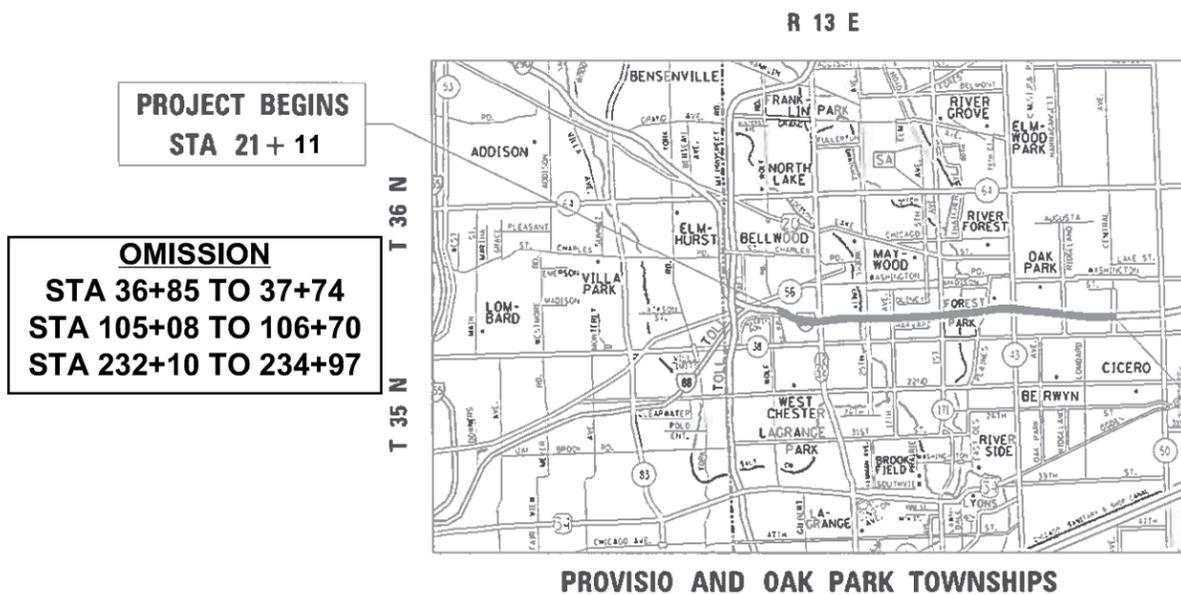


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT MANAGER: J. ALAIN MIDY : (847)221-3056

CONTRACT NO. 62L46



GROSS LENGTH = 35,451 FT = 6.714 MILE
NET LENGTH = 34,913 FT = 6.612 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 6, 2020
Anthony J. Quigley REGIONAL ENGINEER
December 4, 2020
Scott A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT
December 4, 2020
James J. Guerin
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

INDEX OF SHEETS

GENERAL NOTES

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-16	ROADWAY PLANS
17	JOINT DETAILS
18	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)
19	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE (TC-09)
20	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
21-22	MULTILANE FREEWAY (TC-12)
23	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
24	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)

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

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 (847) 705-4151 (FOR EXPRESSWAYS) A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE ENGINEER SHALL CONTACT PATRICE HARRIS AREA TRAFFIC FIELD ENGINEER AT PATRIC.HARRIS@ILLINOIS.GOV (847) 705-4412 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.

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 PAVEMENT 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.

THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATION ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOUR IN ADVANCE OF ALL DAILY LANE, RAMP AND SHOULDER CLOSURES AND 7 DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKEND AND HOLIDAYS.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

STANDARDS

701101-05	OFF ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701400-10	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >45 MPH
701428-01	TRAFFICE CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-11	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
780001-05	TYPICAL PAVEMENT MARKINGS
701901-08	TRAFFIC CONTROL DEVICES

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PLOT DATE = 11/13/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		90% FED 10% STATE 005					
45100100	CRACK ROUTING (PAVEMENT)	FOOT	483000	483000					
45100200	CRACK FILLING	POUND	138000	138000					
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	46500	46500					
45200300	JOINT OR CRACK FILLING	POUND	13300	13300					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12					
67100100	MOBILIZATION	L SUM	1	1					
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1					
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	160000	160000					
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	38000	38000					
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1000	1000					
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	18000	18000					
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	5200	5200					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	500	500					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		90% FED 10% STATE 005					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	200	200					
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1					
Ø Z0076600	TRAINEES	HOURS	500	500					
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500					

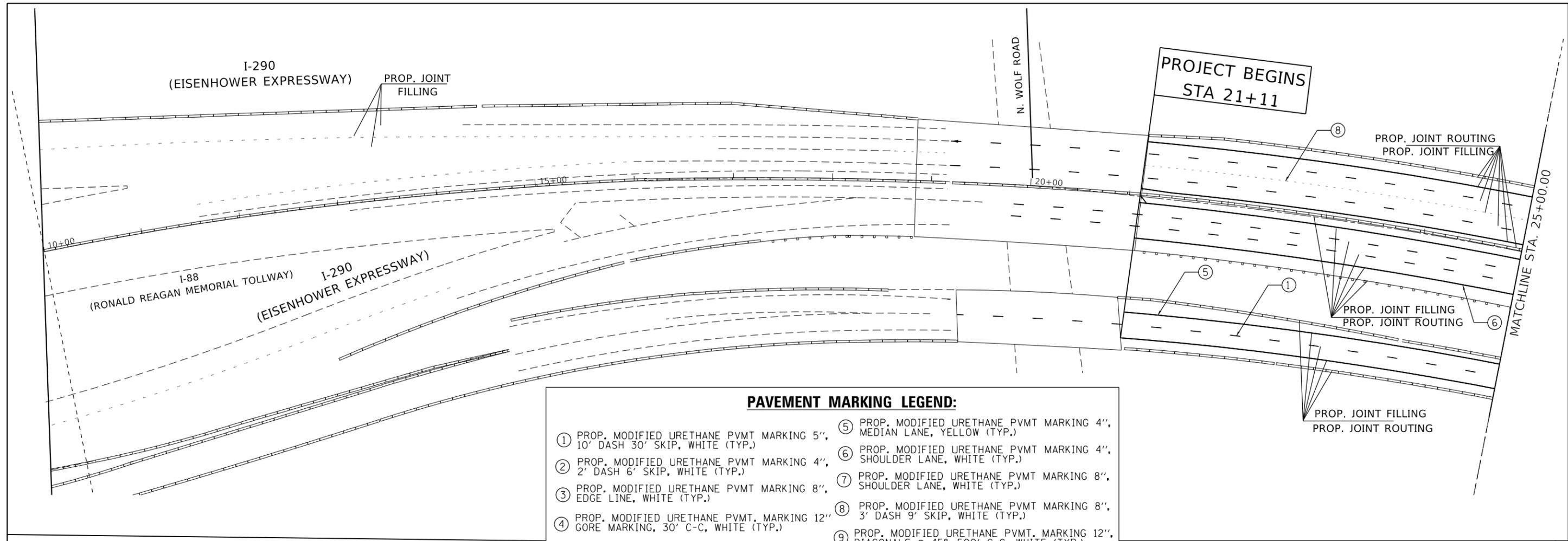
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
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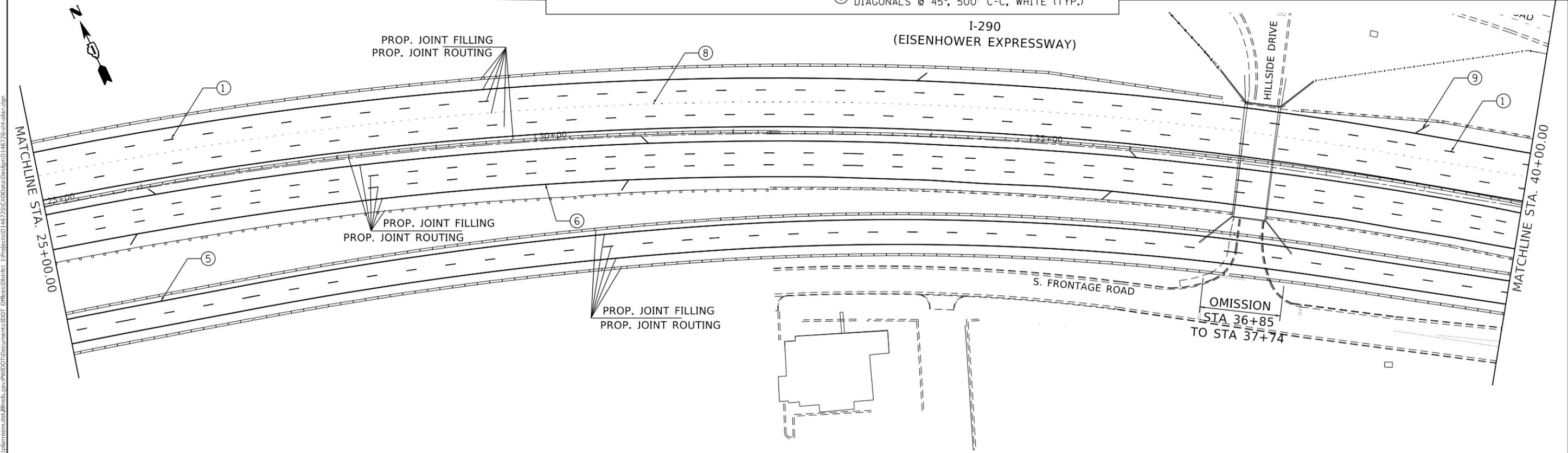
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2020-068-1	COOK	24	3
CONTRACT NO.62L46				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

Ø 0042
REV-SEP
* SPECIALTY ITEM



PAVEMENT MARKING LEGEND:

① PROP. MODIFIED URETHANE PVMT MARKING 5", 10' DASH 30' SKIP, WHITE (TYP.)	⑤ PROP. MODIFIED URETHANE PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.)
② PROP. MODIFIED URETHANE PVMT MARKING 4", 2' DASH 6' SKIP, WHITE (TYP.)	⑥ PROP. MODIFIED URETHANE PVMT MARKING 4", SHOULDER LANE, WHITE (TYP.)
③ PROP. MODIFIED URETHANE PVMT MARKING 8", EDGE LINE, WHITE (TYP.)	⑦ PROP. MODIFIED URETHANE PVMT MARKING 8", SHOULDER LANE, WHITE (TYP.)
④ PROP. MODIFIED URETHANE PVMT, MARKING 12" CORE MARKING, 30' C-C, WHITE (TYP.)	⑧ PROP. MODIFIED URETHANE PVMT MARKING 8", 3' DASH 9' SKIP, WHITE (TYP.)
	⑨ PROP. MODIFIED URETHANE PVMT, MARKING 12", DIAGONALS @ 45°, 500' C-C, WHITE (TYP.)



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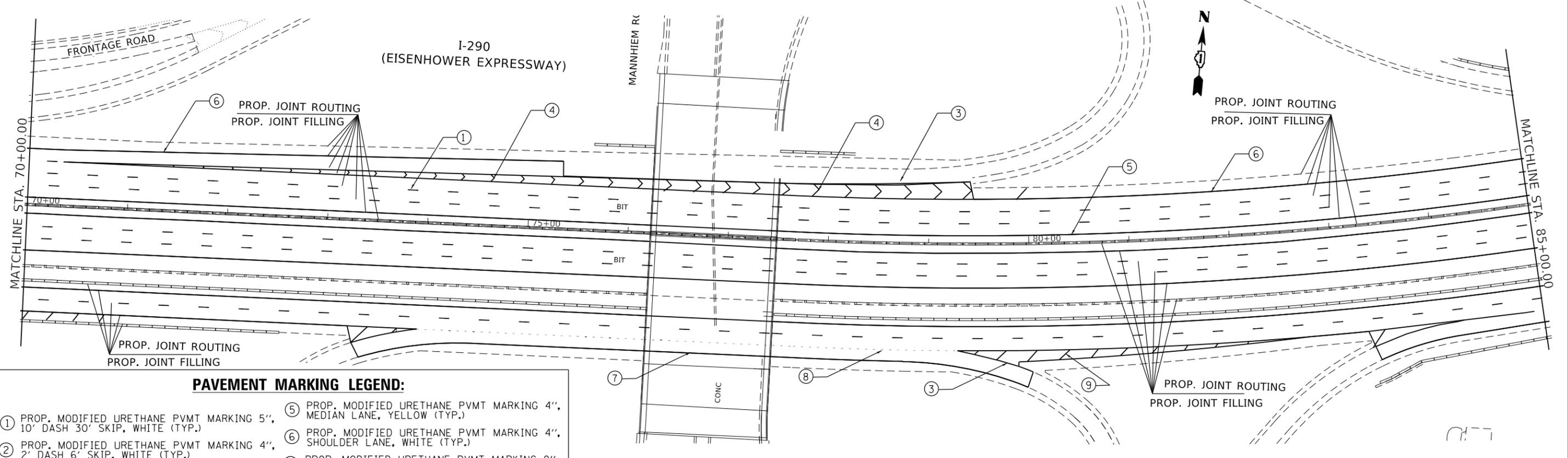
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED ROADWAY PLAN
I-290 (EISENHOWER EXPRESSWAY) (I-88 TO EAST OF AUSTIN BOULEVARD)

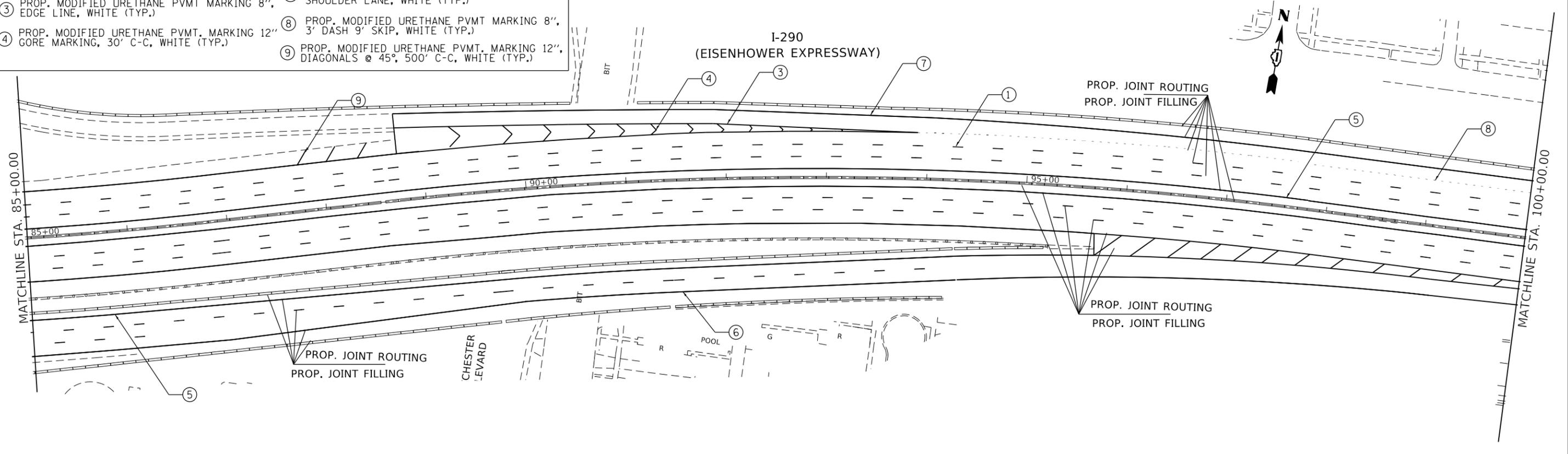
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F.A.I. RTE. 290	SECTION 2020-068-1	COUNTY COOK	TOTAL SHEETS 24	SHEET NO. 4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L46	



PAVEMENT MARKING LEGEND:

- ① PROP. MODIFIED URETHANE PVMT MARKING 5", 10' DASH 30' SKIP, WHITE (TYP.)
- ② PROP. MODIFIED URETHANE PVMT MARKING 4", 2' DASH 6' SKIP, WHITE (TYP.)
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- ⑨ PROP. MODIFIED URETHANE PVMT. MARKING 12", DIAGONALS @ 45°, 500' C-C, WHITE (TYP.)



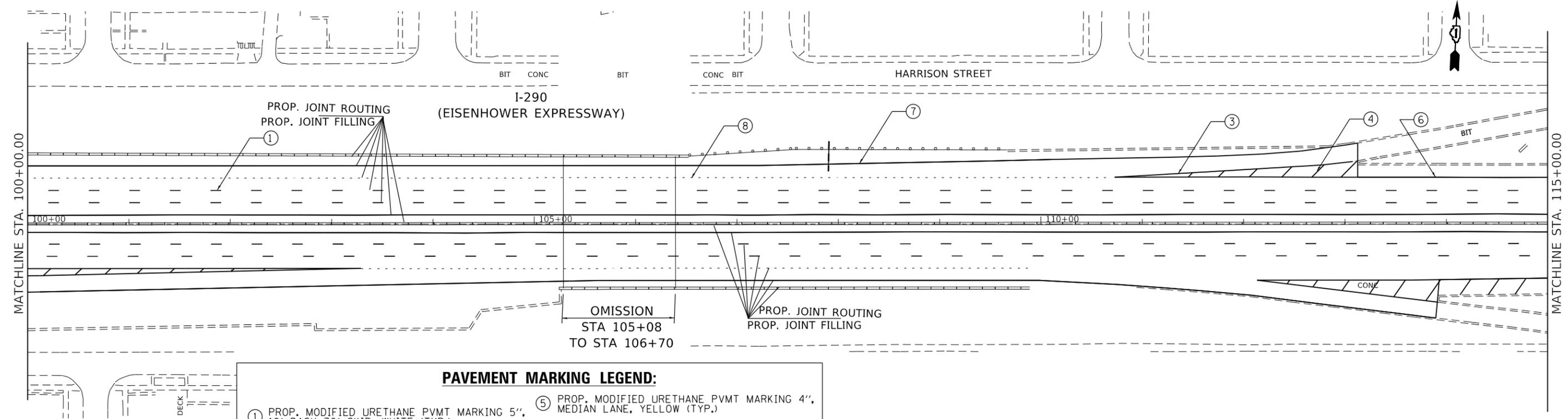
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

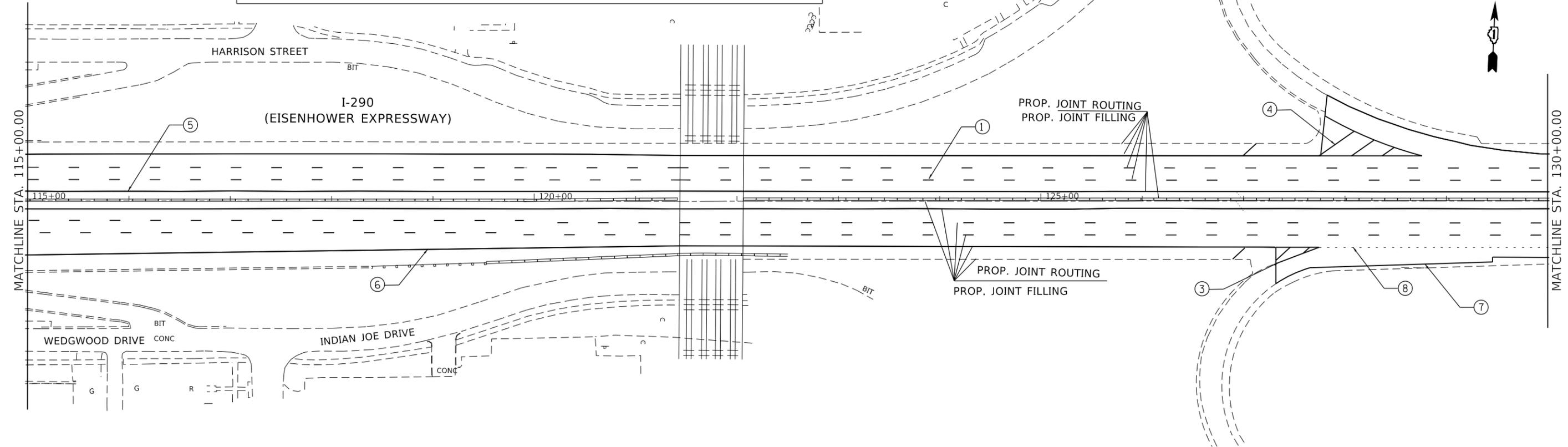
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F.A.I. RTE. 290	SECTION 2020-068-1	COUNTY COOK	TOTAL SHEETS 24	SHEET NO. 6
CONTRACT NO. 62L46			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND:

① PROP. MODIFIED URETHANE PVMT MARKING 5", 10' DASH 30' SKIP, WHITE (TYP.)	⑤ PROP. MODIFIED URETHANE PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.)
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	⑨ PROP. MODIFIED URETHANE PVMT. MARKING 12", DIAGONALS @ 45°, 500' C-C, WHITE (TYP.)



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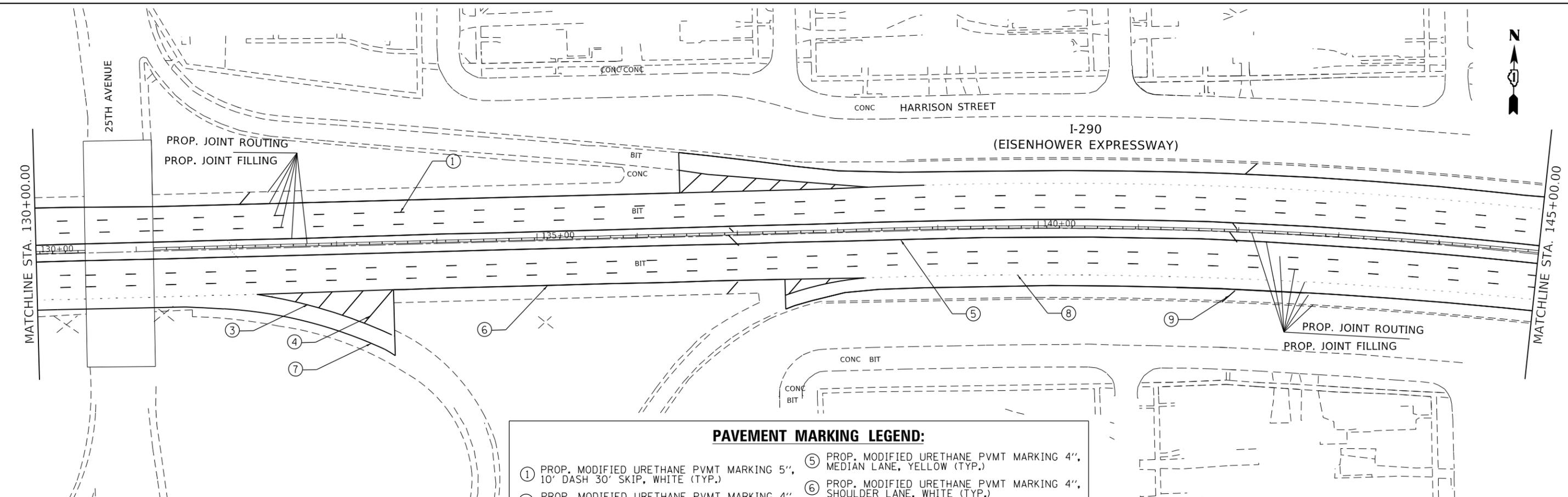
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN
I-290 (EISENHOWER EXPRESSWAY) (I-88 TO EAST OF AUSTIN BOULEVARD)**

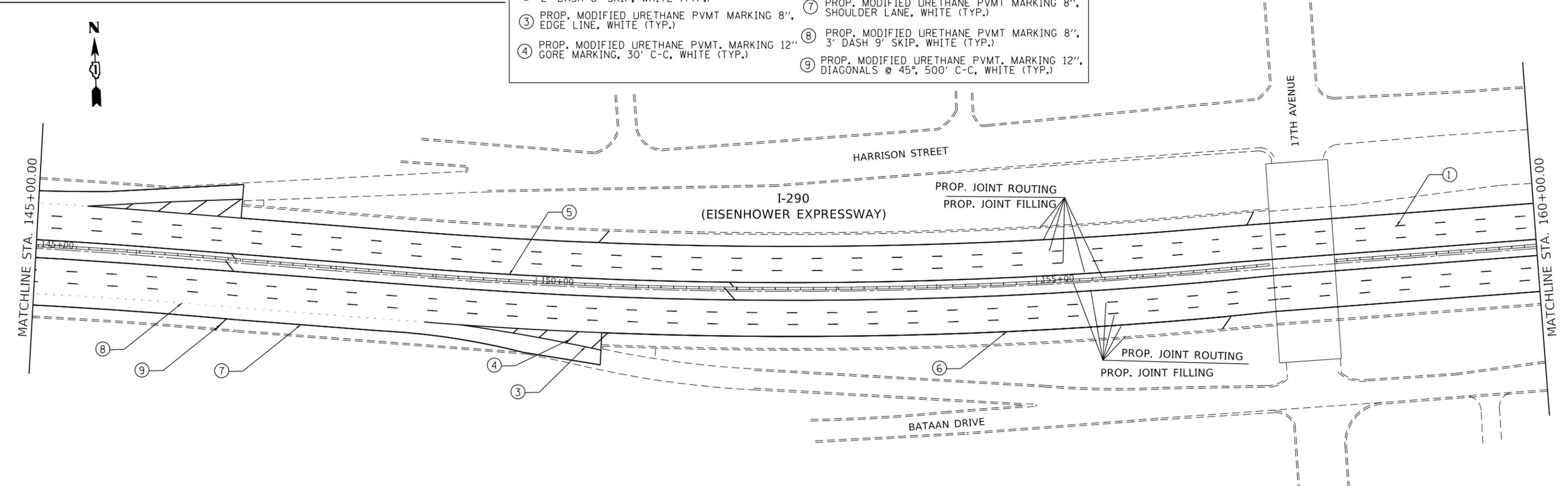
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CONTRACT NO. 62L46			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND:

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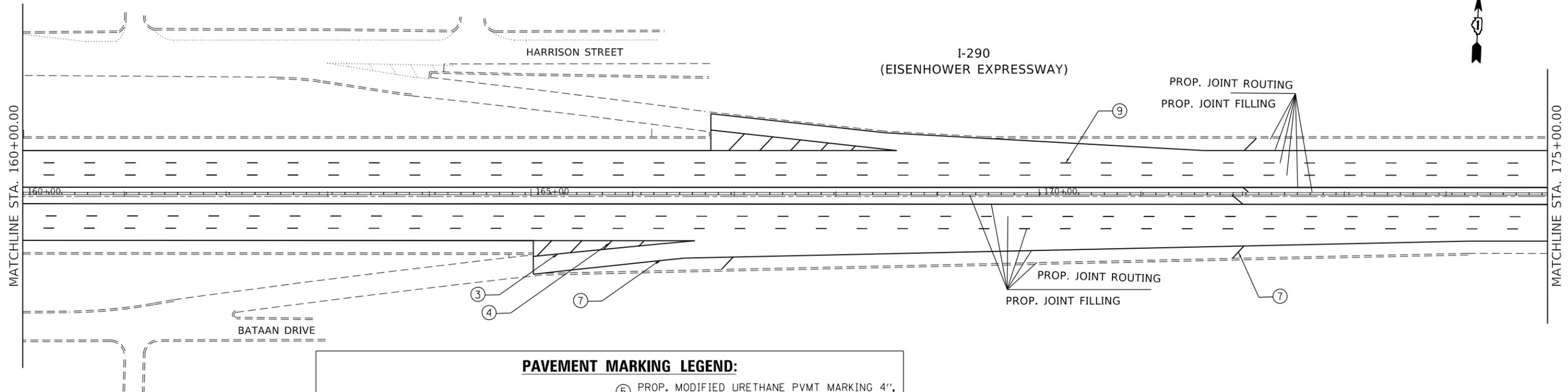
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN
I-290 (EISENHOWER EXPRESSWAY) (I-88 TO EAST OF AUSTIN BOULEVARD)**

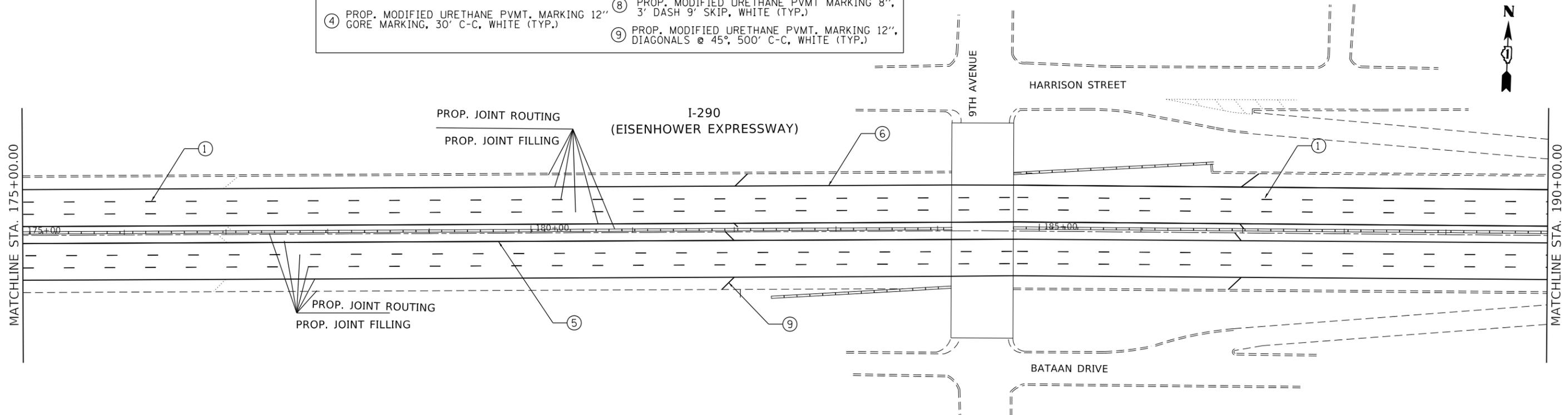
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F.A.I. RTE. 290	SECTION 2020-068-I	COUNTY COOK	TOTAL SHEETS 24	SHEET NO. 8
		CONTRACT NO. 62L46		
		ILLINOIS FED. AID PROJECT		



PAVEMENT MARKING LEGEND:

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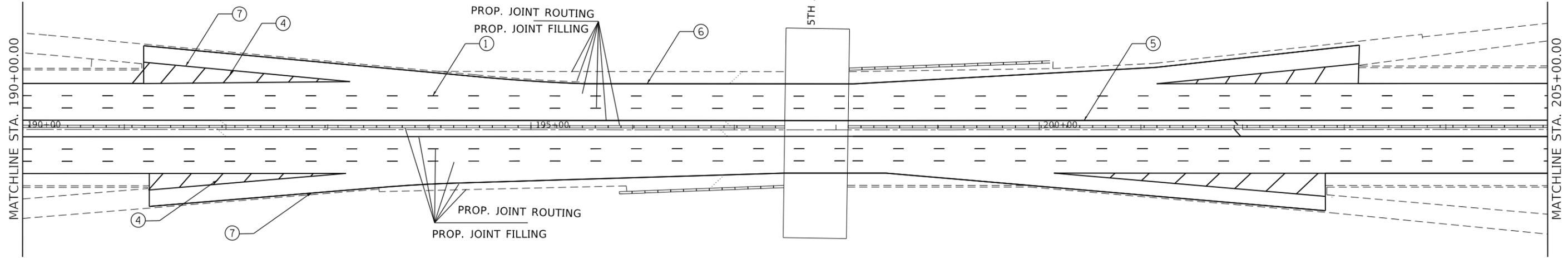
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED ROADWAY PLAN			
I-290 (EISENHOWER EXPRESSWAY) (I-88 TO EAST OF AUSTIN BOULEVARD)			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

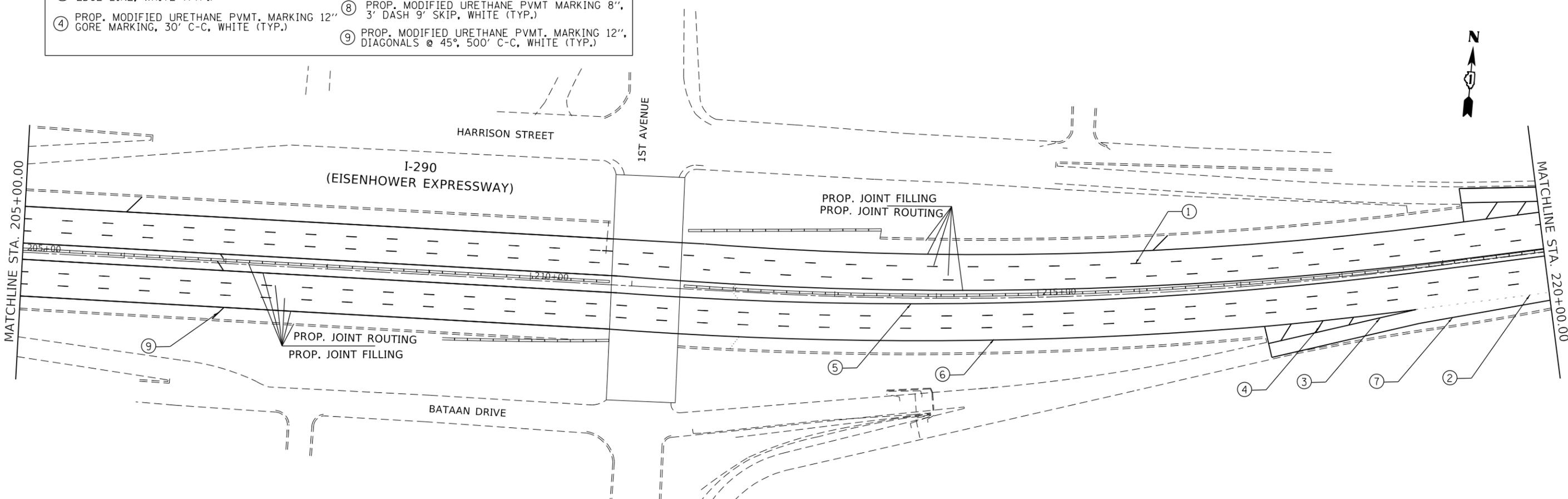
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			CONTRACT NO. 62L46	
ILLINOIS FED. AID PROJECT				

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PAVEMENT MARKING LEGEND:

① PROP. MODIFIED URETHANE PVMT MARKING 5", 10' DASH 30' SKIP, WHITE (TYP.)	⑤ PROP. MODIFIED URETHANE PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.)
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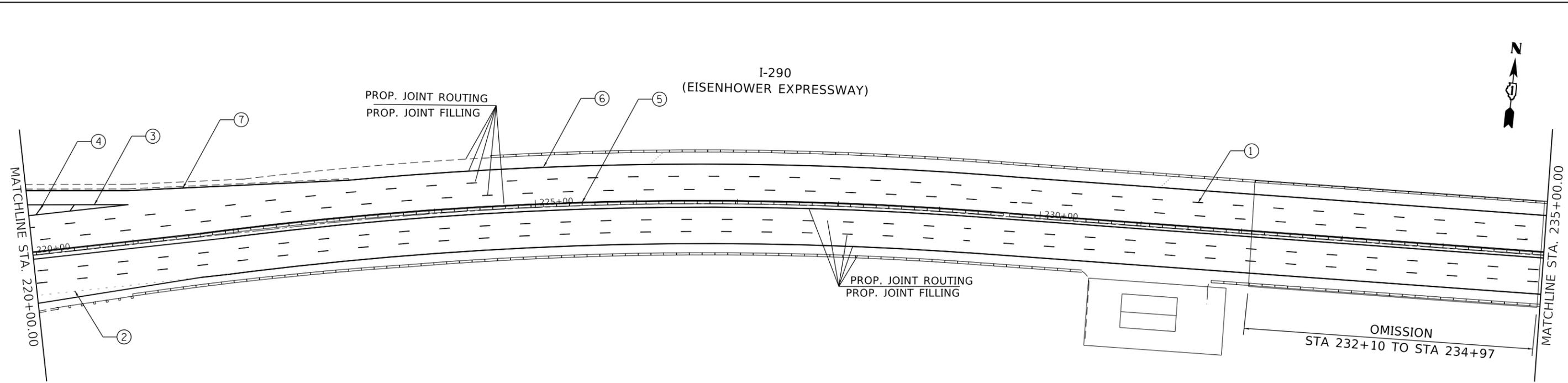
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PLOT DATE = 11/13/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
I-290 (EISENHOWER EXPRESSWAY) (I-88 TO EAST OF AUSTIN BOULEVARD)

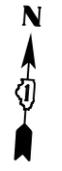
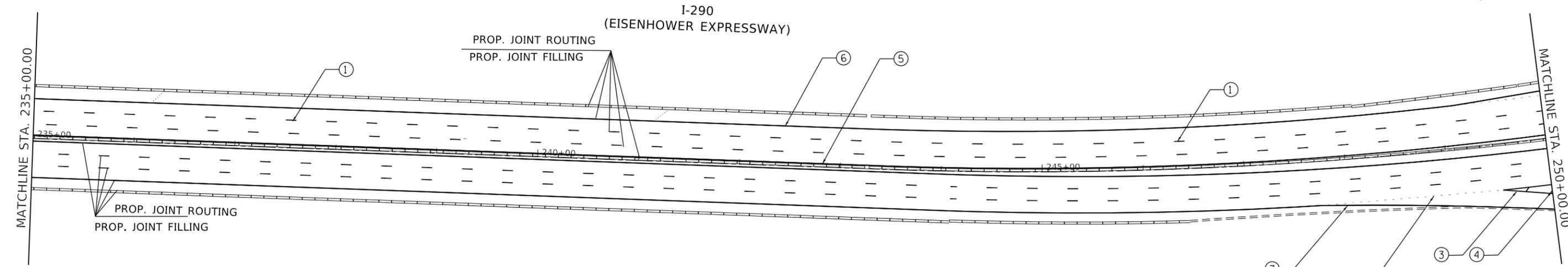
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F.A.I. RTE. 290	SECTION 2020-068-I	COUNTY COOK	TOTAL SHEETS 24	SHEET NO. 10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L46	



PAVEMENT MARKING LEGEND:

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- ② PROP. MODIFIED URETHANE PVMT MARKING 4", 2' DASH 6' SKIP, WHITE (TYP.)
- ③ PROP. MODIFIED URETHANE PVMT MARKING 8", EDGE LINE, WHITE (TYP.)
- ④ PROP. MODIFIED URETHANE PVMT, MARKING 12" GORE MARKING, 30' C-C, WHITE (TYP.)
- ⑤ PROP. MODIFIED URETHANE PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.)
- ⑥ PROP. MODIFIED URETHANE PVMT MARKING 4", SHOULDER LANE, WHITE (TYP.)
- ⑦ PROP. MODIFIED URETHANE PVMT MARKING 8", SHOULDER LANE, WHITE (TYP.)
- ⑧ PROP. MODIFIED URETHANE PVMT MARKING 8", 3' DASH 9' SKIP, WHITE (TYP.)
- ⑨ PROP. MODIFIED URETHANE PVMT, MARKING 12", DIAGONALS @ 45°, 500' C-C, WHITE (TYP.)



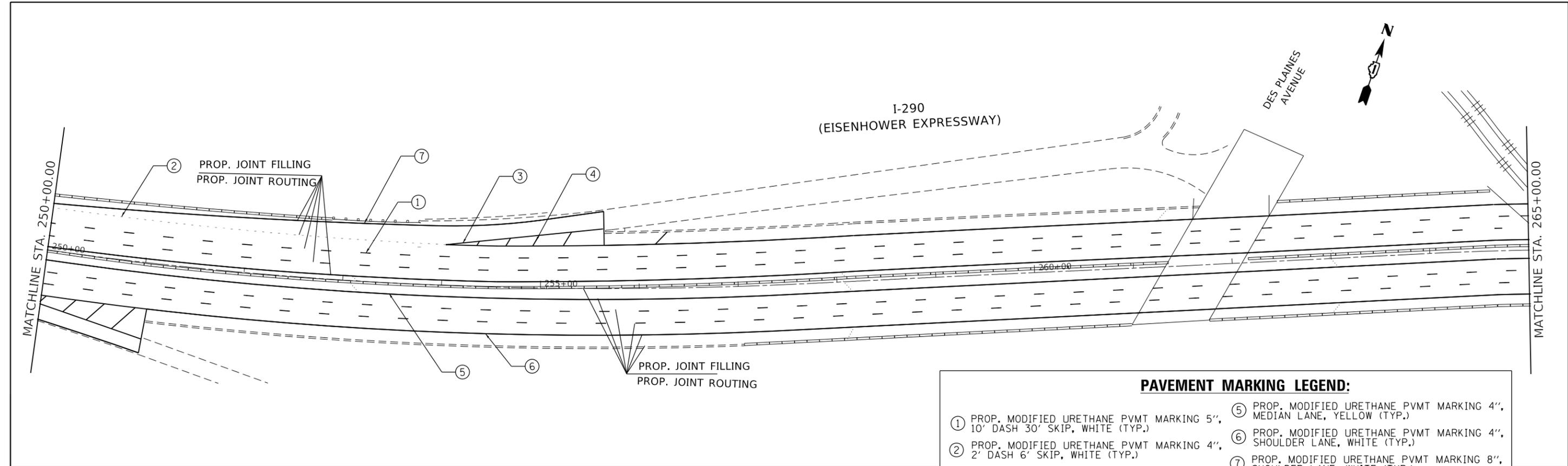
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

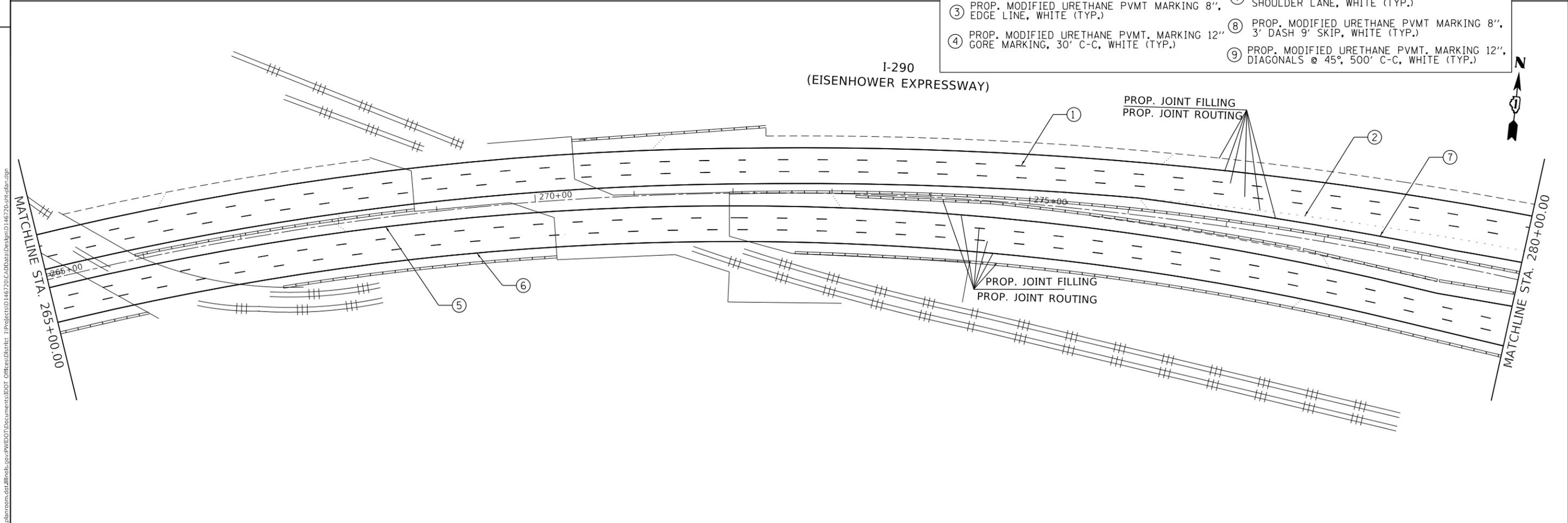
EXISTING AND PROPOSED ROADWAY PLAN	
I-290 (EISENHOWER EXPRESSWAY) (I-88 TO EAST OF AUSTIN BOULEVARD)	
SCALE: 1" = 50'	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE. 290	SECTION 2020-068-1	COUNTY COOK	TOTAL SHEETS 24	SHEET NO. 11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L46	



PAVEMENT MARKING LEGEND:

① PROP. MODIFIED URETHANE PVMT MARKING 5", 10" DASH 30' SKIP, WHITE (TYP.)	⑤ PROP. MODIFIED URETHANE PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.)
② PROP. MODIFIED URETHANE PVMT MARKING 4", 2" DASH 6" SKIP, WHITE (TYP.)	⑥ PROP. MODIFIED URETHANE PVMT MARKING 4", SHOULDER LANE, WHITE (TYP.)
③ PROP. MODIFIED URETHANE PVMT MARKING 8", EDGE LINE, WHITE (TYP.)	⑦ PROP. MODIFIED URETHANE PVMT MARKING 8", SHOULDER LANE, WHITE (TYP.)
④ PROP. MODIFIED URETHANE PVMT, MARKING 12" GORE MARKING, 30' C-C, WHITE (TYP.)	⑧ PROP. MODIFIED URETHANE PVMT MARKING 8", 3' DASH 9' SKIP, WHITE (TYP.)
	⑨ PROP. MODIFIED URETHANE PVMT, MARKING 12", DIAGONALS @ 45°, 500' C-C, WHITE (TYP.)



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PLOT DATE = 11/13/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED ROADWAY PLAN

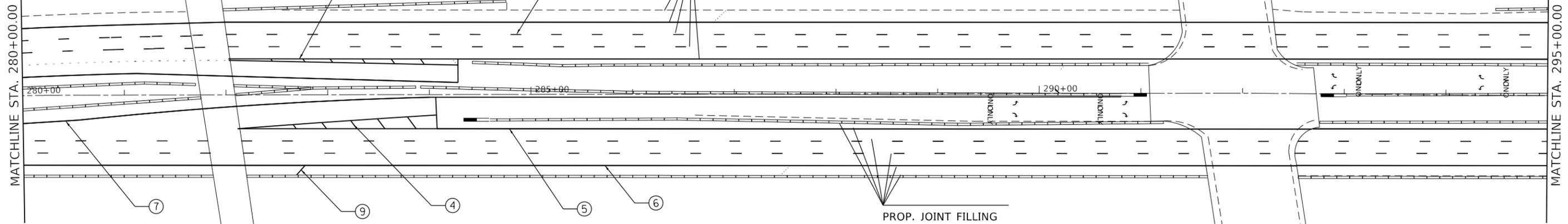
I-290 (EISENHOWER EXPRESSWAY) (I-88 TO EAST OF AUSTIN BOULEVARD)

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

F.A.I. RTE. 290	SECTION 2020-068-I	COUNTY COOK	TOTAL SHEETS 24	SHEET NO. 12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L46	

I-290
(EISENHOWER EXPRESSWAY)

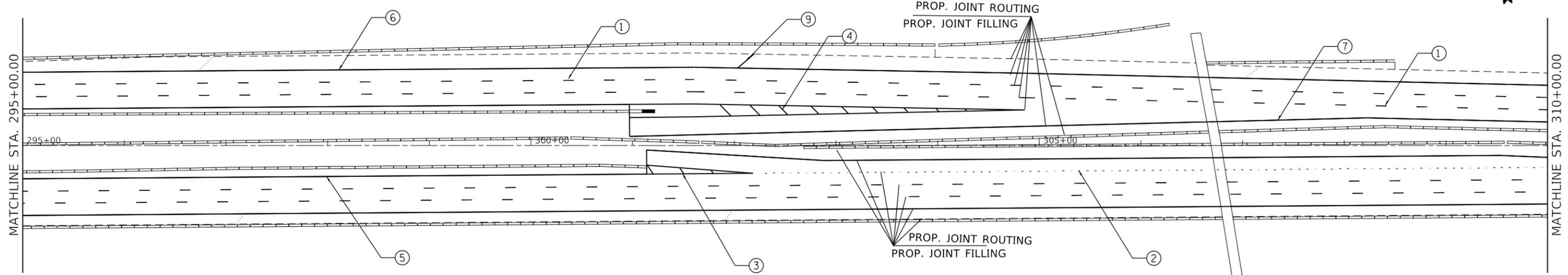
IL. ROUTE 43
(HARLEM AVENUE)



PAVEMENT MARKING LEGEND:

- ① PROP. MODIFIED URETHANE PVMT MARKING 5", 10' DASH 30' SKIP, WHITE (TYP.)
- ② PROP. MODIFIED URETHANE PVMT MARKING 4", 2' DASH 6' SKIP, WHITE (TYP.)
- ③ PROP. MODIFIED URETHANE PVMT MARKING 8", EDGE LINE, WHITE (TYP.)
- ④ PROP. MODIFIED URETHANE PVMT. MARKING 12" CORE MARKING, 30' C-C, WHITE (TYP.)
- ⑤ PROP. MODIFIED URETHANE PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.)
- ⑥ PROP. MODIFIED URETHANE PVMT MARKING 4", SHOULDER LANE, WHITE (TYP.)
- ⑦ PROP. MODIFIED URETHANE PVMT MARKING 8", SHOULDER LANE, WHITE (TYP.)
- ⑧ PROP. MODIFIED URETHANE PVMT MARKING 8", 3' DASH 9' SKIP, WHITE (TYP.)
- ⑨ PROP. MODIFIED URETHANE PVMT. MARKING 12", DIAGONALS @ 45°, 500' C-C, WHITE (TYP.)

I-290
(EISENHOWER EXPRESSWAY)



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PLOT DATE = 11/13/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED ROADWAY PLAN
I-290 (EISENHOWER EXPRESSWAY) (I-88 TO EAST OF AUSTIN BOULEVARD)
 SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE. 290	SECTION 2020-068-I	COUNTY COOK	TOTAL SHEETS 24	SHEET NO. 13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62L46	

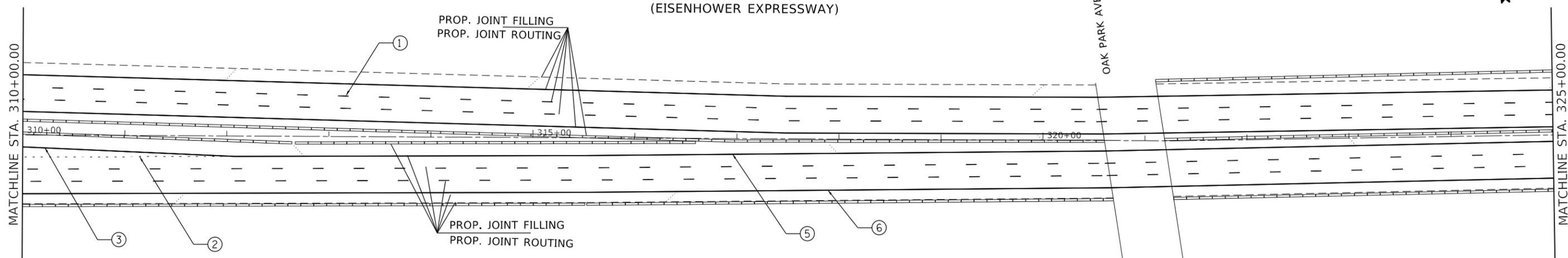


I-290
(EISENHOWER EXPRESSWAY)

OAK PARK AVENUE

MATCHLINE STA. 310+00.00

MATCHLINE STA. 325+00.00



PAVEMENT MARKING LEGEND:

- ① PROP. MODIFIED URETHANE PVMT MARKING 5", 10' DASH 30' SKIP, WHITE (TYP.)
- ② PROP. MODIFIED URETHANE PVMT MARKING 4", 2' DASH 6' SKIP, WHITE (TYP.)
- ③ PROP. MODIFIED URETHANE PVMT MARKING 8", EDGE LINE, WHITE (TYP.)
- ④ PROP. MODIFIED URETHANE PVMT, MARKING 12" GORE MARKING, 30' C-C, WHITE (TYP.)
- ⑤ PROP. MODIFIED URETHANE PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.)
- ⑥ PROP. MODIFIED URETHANE PVMT MARKING 4", SHOULDER LANE, WHITE (TYP.)
- ⑦ PROP. MODIFIED URETHANE PVMT MARKING 8", SHOULDER LANE, WHITE (TYP.)
- ⑧ PROP. MODIFIED URETHANE PVMT MARKING 8", 3' DASH 9' SKIP, WHITE (TYP.)
- ⑨ PROP. MODIFIED URETHANE PVMT, MARKING 12", DIAGONALS @ 45°, 500' C-C, WHITE (TYP.)

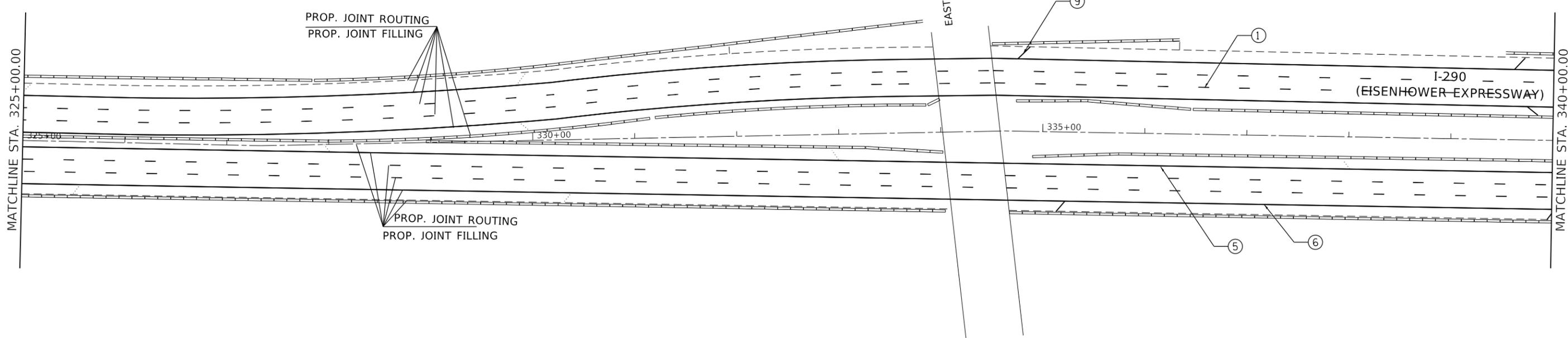


I-290
(EISENHOWER EXPRESSWAY)

EAST AVENUE

MATCHLINE STA. 325+00.00

MATCHLINE STA. 340+00.00



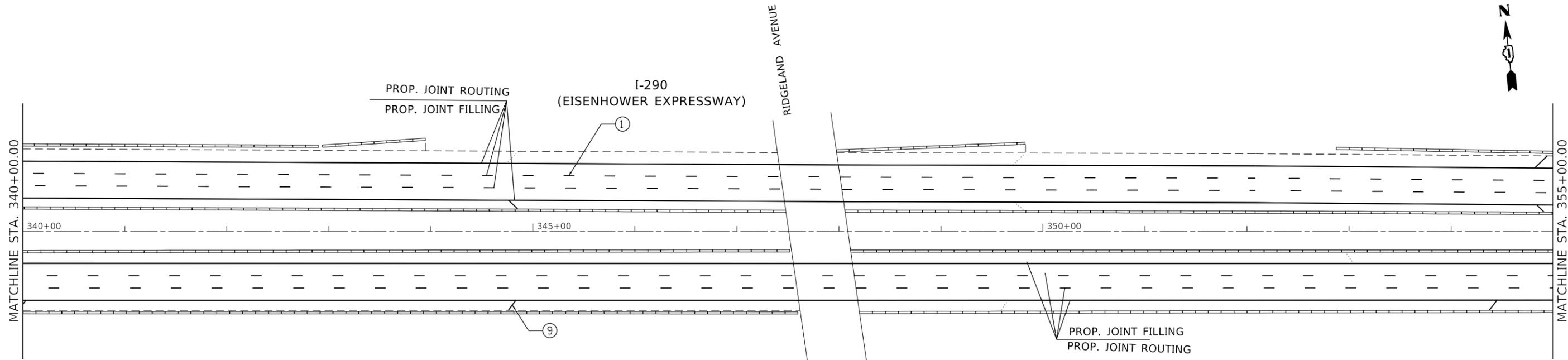
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

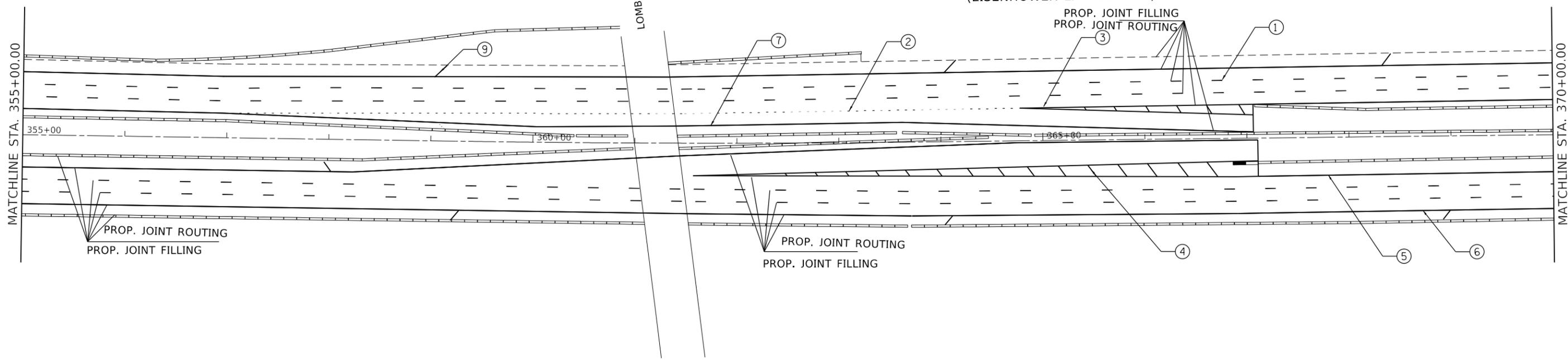
EXISTING AND PROPOSED ROADWAY PLAN
I-290 (EISENHOWER EXPRESSWAY) (I-88 TO EAST OF AUSTIN BOULEVARD)
SCALE: 1"= 50' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE. 290	SECTION 2020-068-I	COUNTY COOK	TOTAL SHEETS 24	SHEET NO. 14
			CONTRACT NO. 62L46	
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND:

- | | |
|--|---|
| ① PROP. MODIFIED URETHANE PVMT MARKING 5",
10' DASH 30' SKIP, WHITE (TYP.) | ⑤ PROP. MODIFIED URETHANE PVMT MARKING 4",
MEDIAN LANE, YELLOW (TYP.) |
| ② PROP. MODIFIED URETHANE PVMT MARKING 4",
2' DASH 6' SKIP, WHITE (TYP.) | ⑥ PROP. MODIFIED URETHANE PVMT MARKING 4",
SHOULDER LANE, WHITE (TYP.) |
| ③ PROP. MODIFIED URETHANE PVMT MARKING 8",
EDGE LINE, WHITE (TYP.) | ⑦ PROP. MODIFIED URETHANE PVMT MARKING 8",
SHOULDER LANE, WHITE (TYP.) |
| ④ PROP. MODIFIED URETHANE PVMT. MARKING 12"
GORE MARKING, 30' C-C, WHITE (TYP.) | ⑧ PROP. MODIFIED URETHANE PVMT MARKING 8",
3' DASH 9' SKIP, WHITE (TYP.) |
| | ⑨ PROP. MODIFIED URETHANE PVMT. MARKING 12",
DIAGONALS @ 45°, 500' C-C, WHITE (TYP.) |



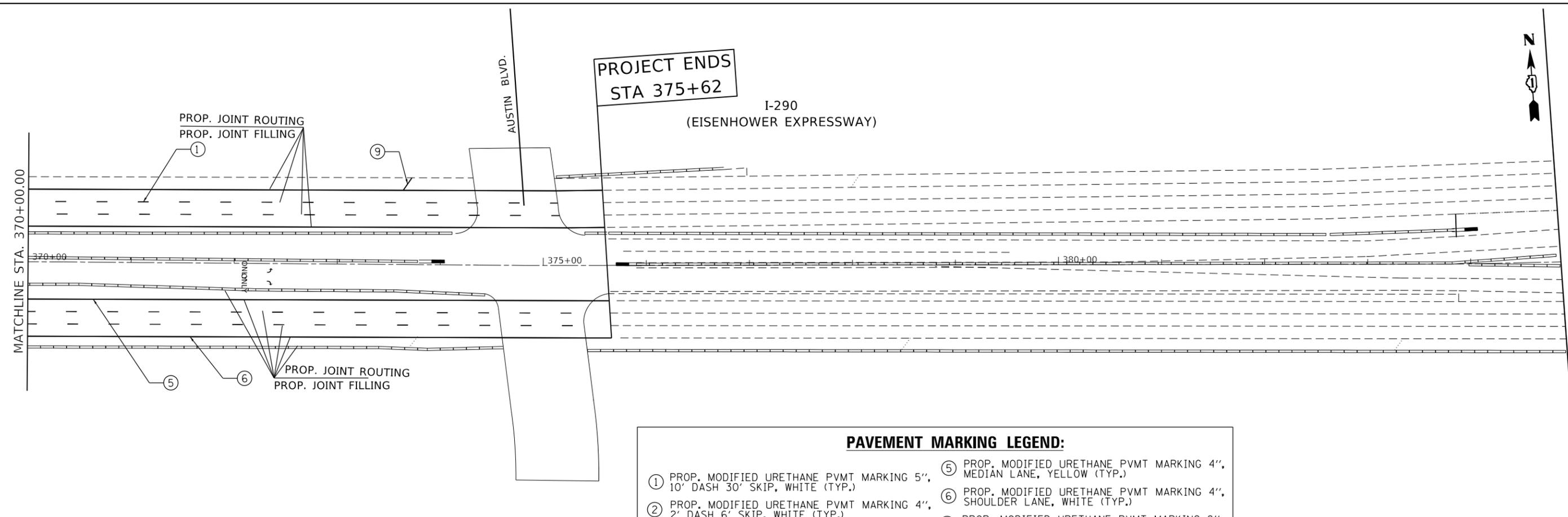
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PLOT DATE = 11/13/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN I-290 (EISENHOWER EXPRESSWAY) (I-88 TO EAST OF AUSTIN BOULEVARD)			
SCALE: 1"= 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2020-068-I	COOK	24	15
CONTRACT NO. 62L46				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND:

- ① PROP. MODIFIED URETHANE PVMT MARKING 5", 10' DASH 30' SKIP, WHITE (TYP.)
- ② PROP. MODIFIED URETHANE PVMT MARKING 4", 2' DASH 6' SKIP, WHITE (TYP.)
- ③ PROP. MODIFIED URETHANE PVMT MARKING 8", EDGE LINE, WHITE (TYP.)
- ④ PROP. MODIFIED URETHANE PVMT, MARKING 12" GORE MARKING, 30' C-C, WHITE (TYP.)
- ⑤ PROP. MODIFIED URETHANE PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.)
- ⑥ PROP. MODIFIED URETHANE PVMT MARKING 4", SHOULDER LANE, WHITE (TYP.)
- ⑦ PROP. MODIFIED URETHANE PVMT MARKING 8", SHOULDER LANE, WHITE (TYP.)
- ⑧ PROP. MODIFIED URETHANE PVMT MARKING 8", 3' DASH 9' SKIP, WHITE (TYP.)
- ⑨ PROP. MODIFIED URETHANE PVMT, MARKING 12", DIAGONALS @ 45°, 500' C-C, WHITE (TYP.)

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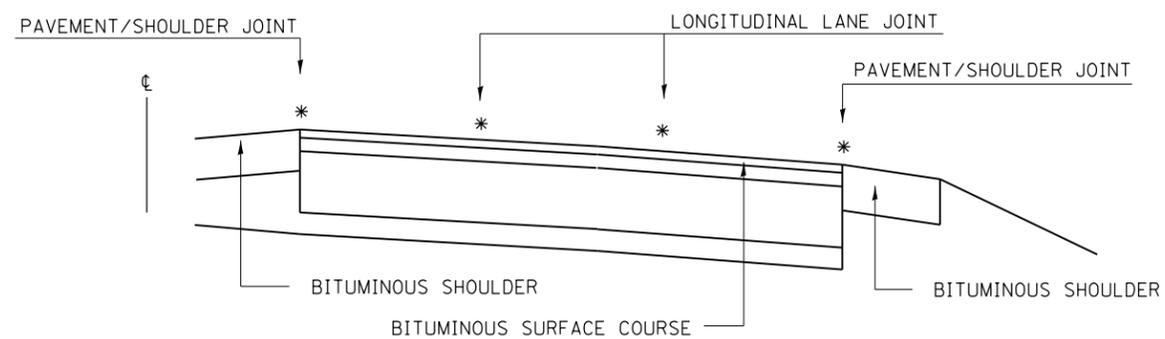
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

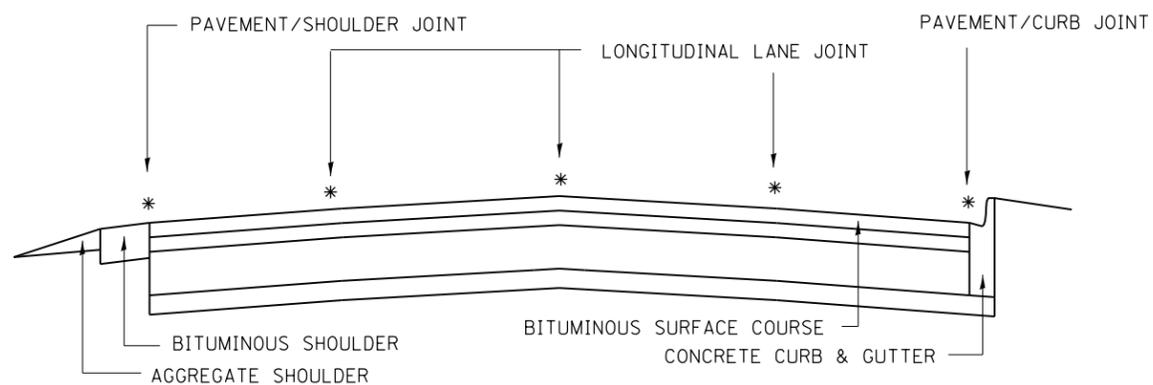
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I-290 (EISENHOWER EXPRESSWAY) (I-88 TO EAST OF AUSTIN BOULEVARD)

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

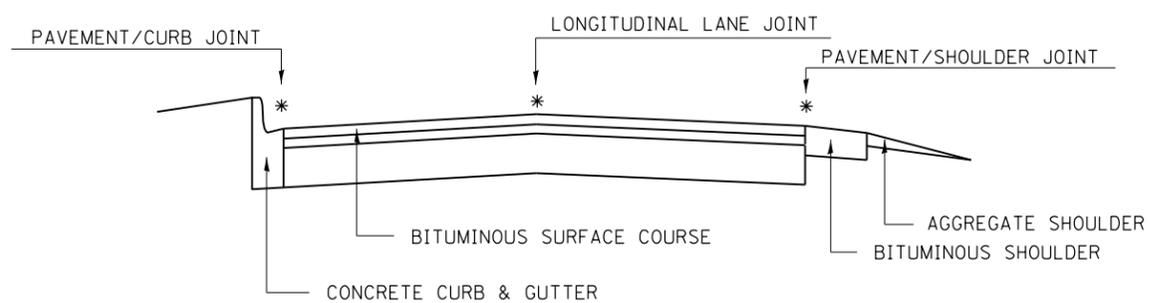
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2020-068-I	COOK	24	16
			CONTRACT NO. 62L46	
		ILLINOIS FED. AID PROJECT		



MULTI-LANE DIVIDED PAVEMENT



MULTI-LANE UNDIVIDED PAVEMENT

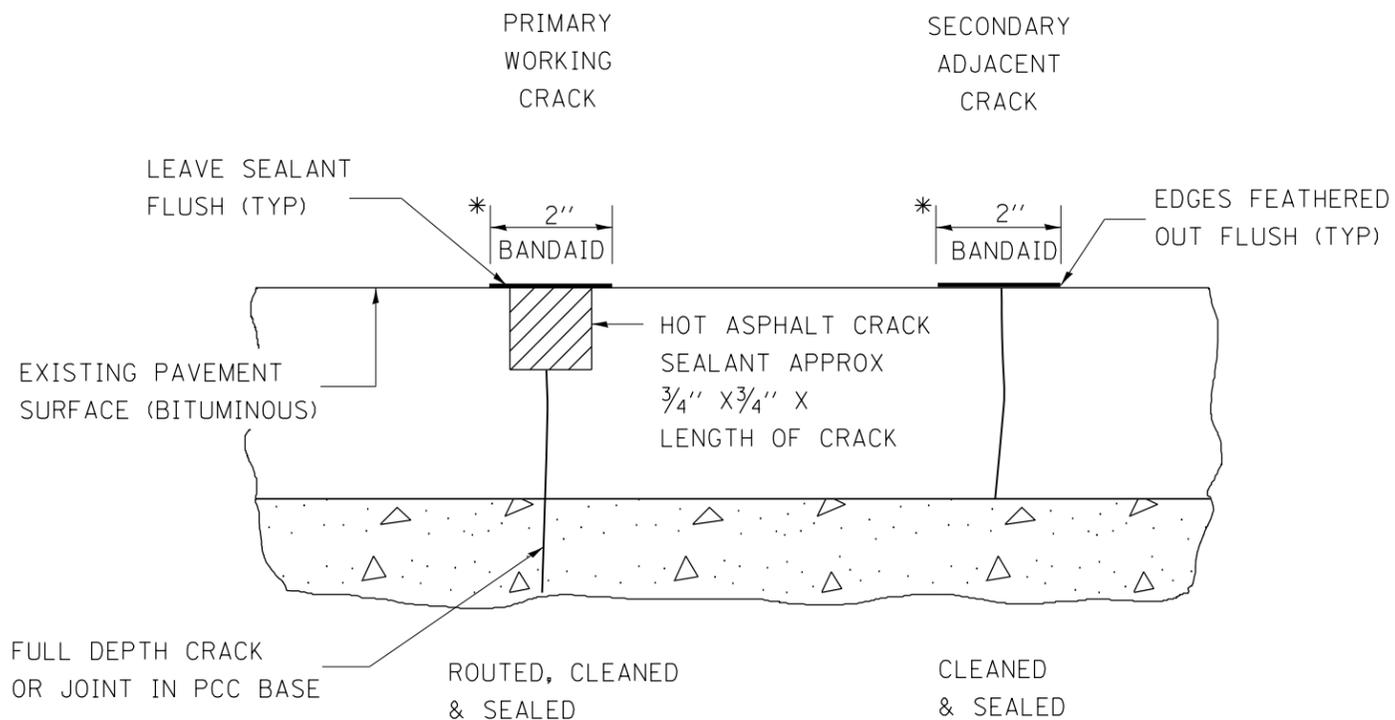


TWO-LANE PAVEMENT

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

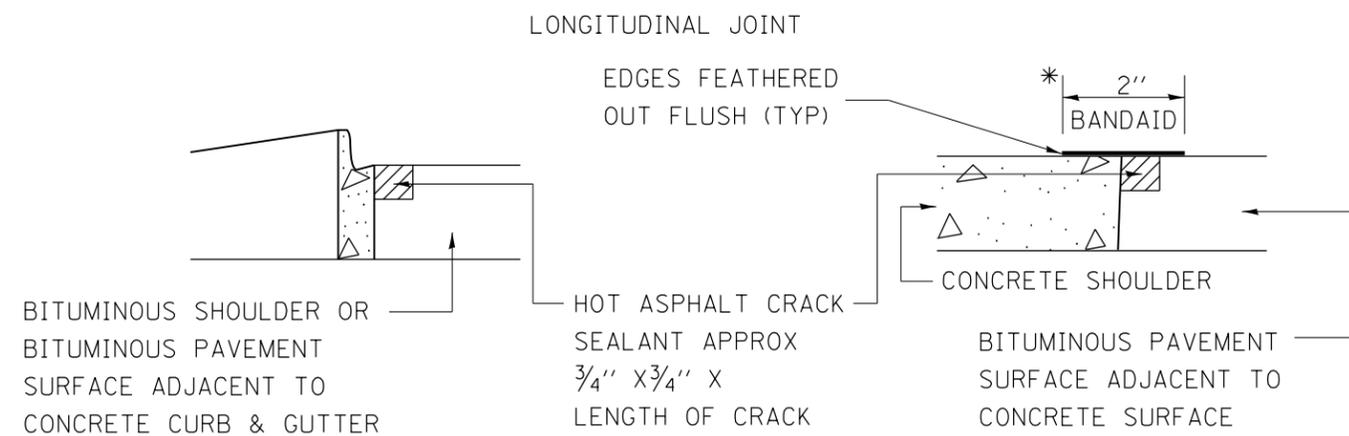
* PROPOSED LONGITUDINAL CRACK ROUTING (PAVEMENT) & CRACK FILLING LOCATIONS

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.



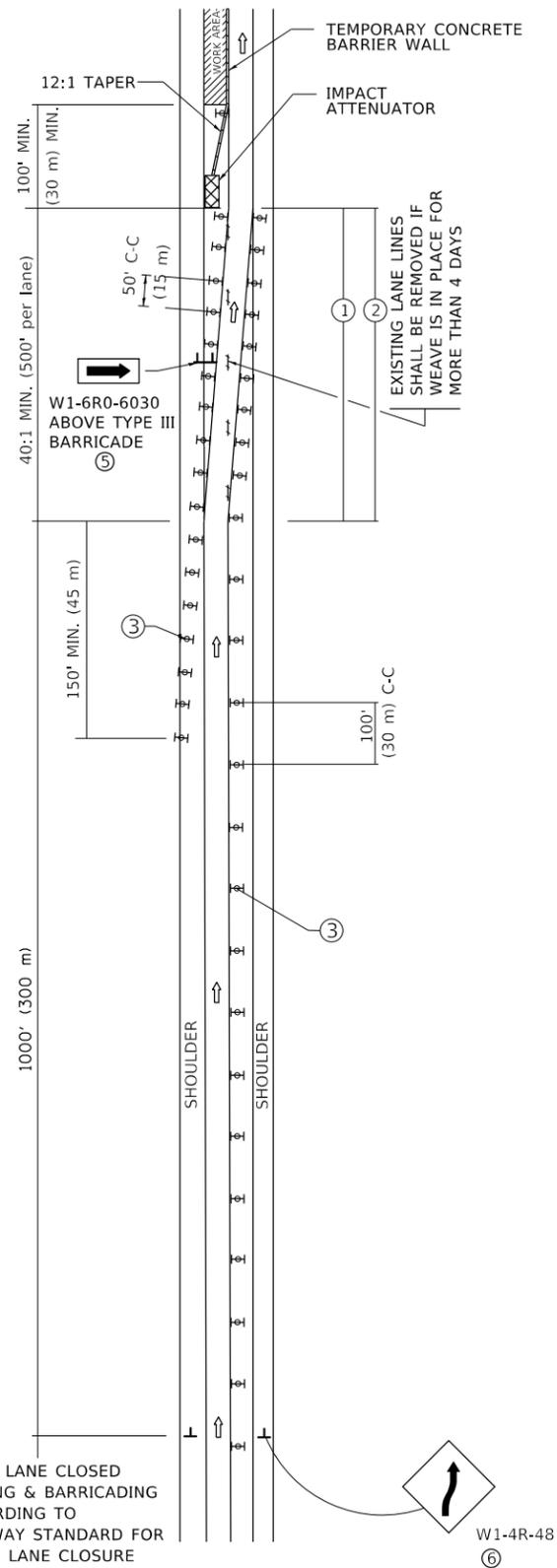
CRACK & JOINT SEALING DETAIL

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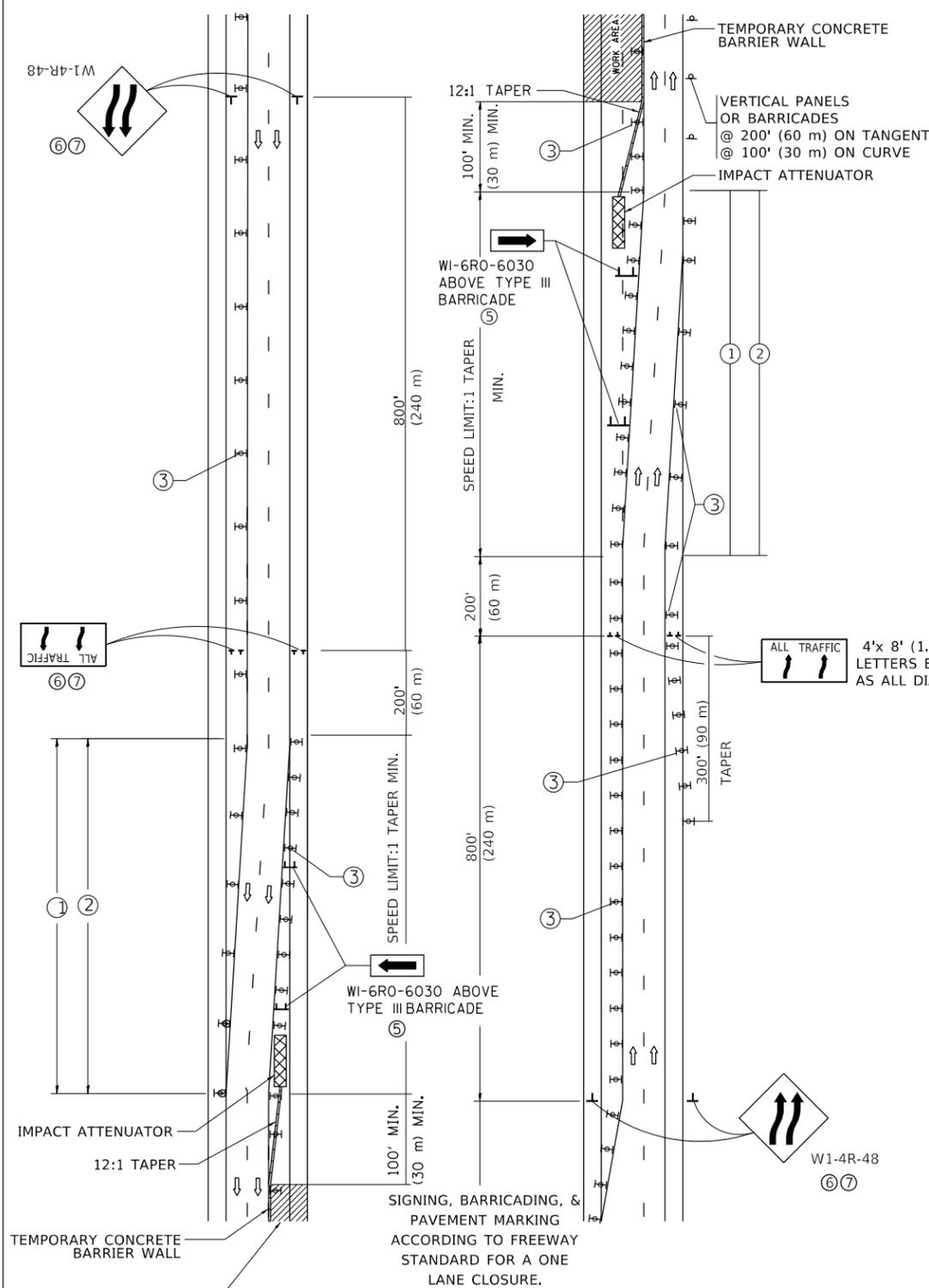
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-290 (I-88 TO EAST OF AUSTIN BOULEVARD)		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CRACK & JOINT SEALING DETAIL		290	2020-068-I	COOK	24	17
SCALE:		SHEET NO. OF SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT
						CONTRACT NO. 62L46

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES:

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48 (6, 7)
- W24-1-48 (7)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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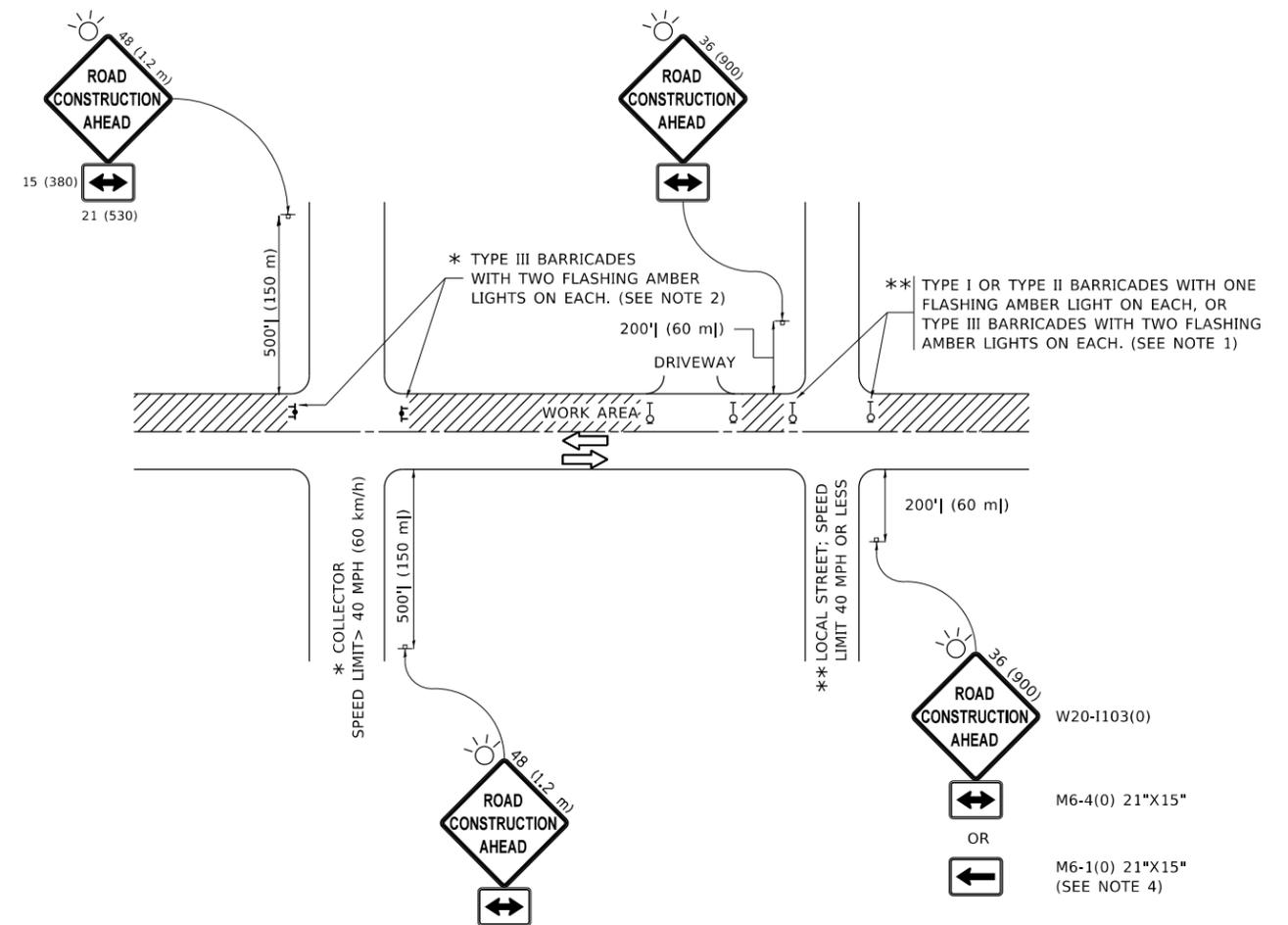
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PLOT DATE = 11/13/2020	DATE - 02-27	REVISED - M.D. 06-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR
FREEWAY SINGLE & MULTI-LANE WEAVE

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2020-068-I	COOK	24	19
TC-09		CONTRACT NO. 62L46		
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) 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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		REVISED - A. SCHUETZE 09-15-16

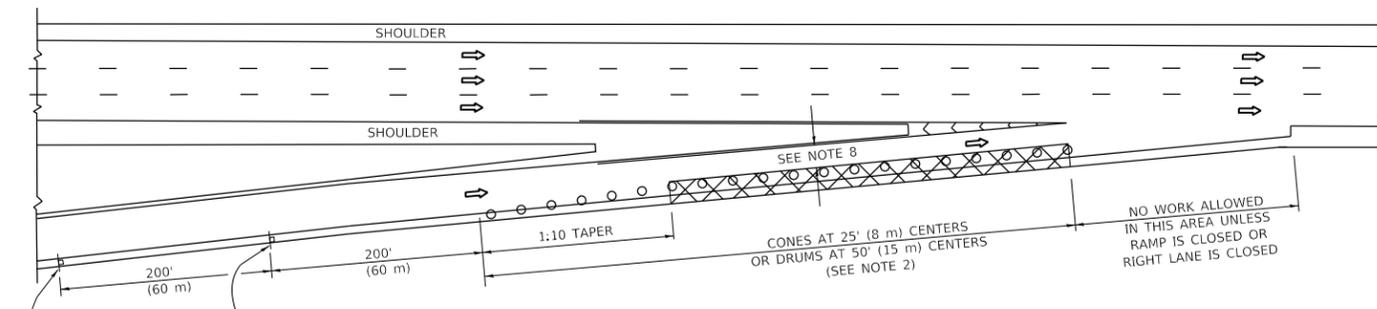
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

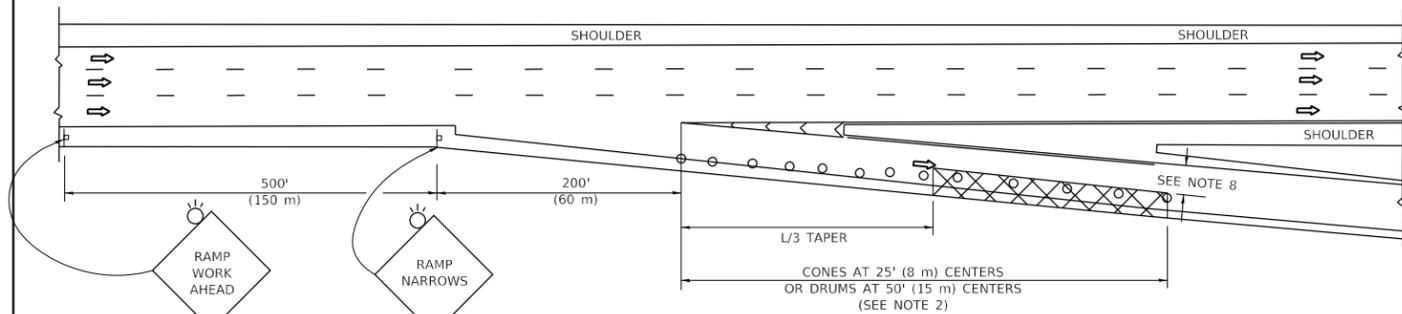
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62L46	
ILLINOIS FED. AID PROJECT				

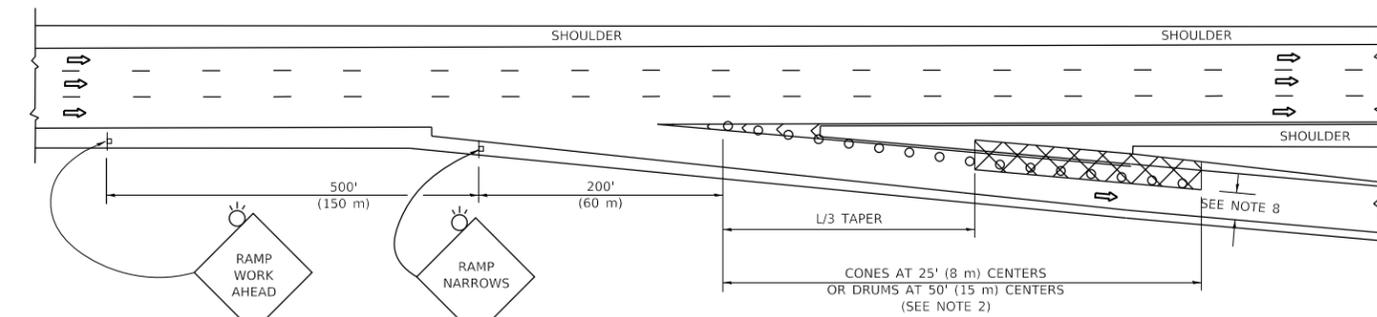
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

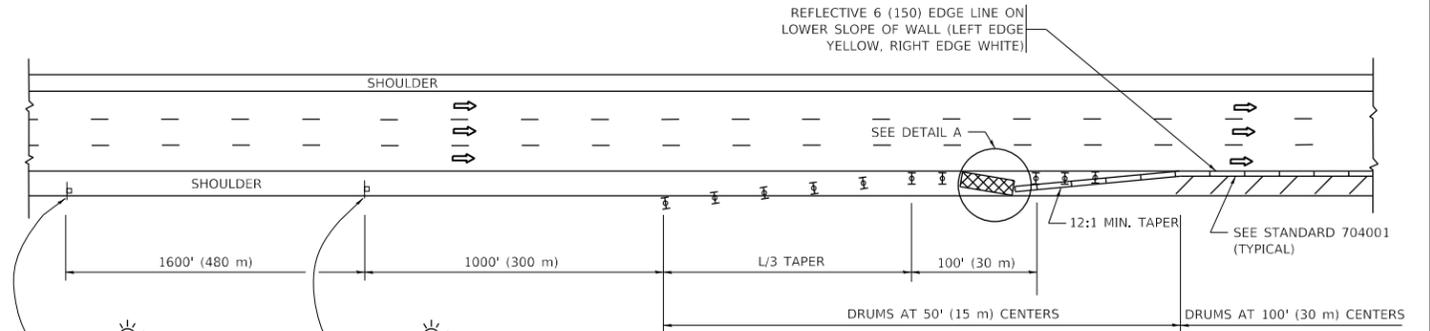
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

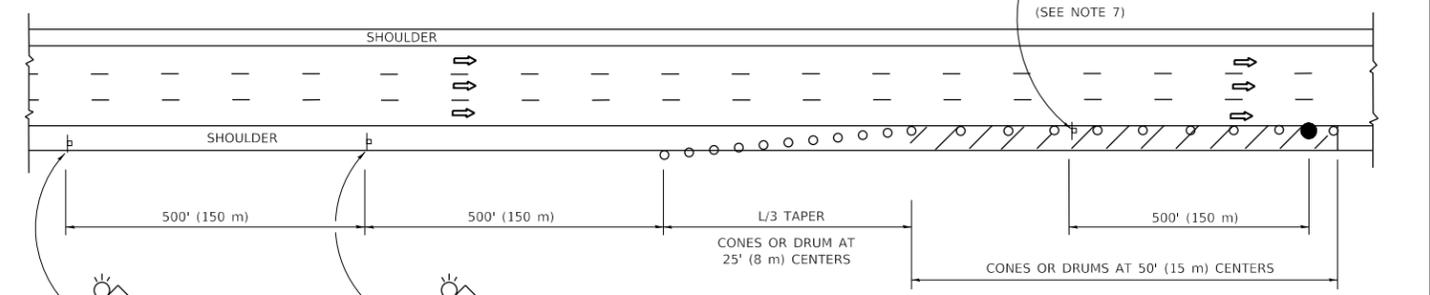
- THE "L" DISTANCE EQUALS:

$L = \frac{S^2}{250}$	$L = \frac{S^2}{125}$
<small>SPEED LIMIT</small>	<small>FORMULAS</small>
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L = 0.65(W/S)$ $L = (W/S)$
<small>W = WIDTH OF OFFSET IN FEET (METERS)</small>	
<small>S = NORMAL POSTED SPEED MPH (KM/H)</small>	
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

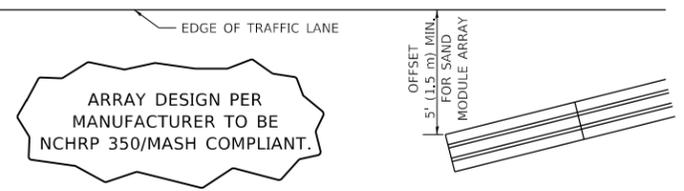


PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCOACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



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

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK ACTIVITY REQUIRES FREQUENT ENCOACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.
- TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

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

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USER NAME = hassan	DESIGNED -	REVISED - S.P.B. 12-09
	DRAWN - D.W.S.	REVISED - M.D. 06-13
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M.D. 01-18
PLOT DATE = 11/13/2020	DATE - 11-96	REVISED - M.D. 10-20

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2020-068-1	COOK	24	24
TC-17		CONTRACT NO. 62L46		
ILLINOIS FED. AID PROJECT				