

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327A	(12,13,14)CJS-1	MARION	B	1
		ILLINOIS	CONTRACT NO. 76R42	

# PROPOSED HIGHWAY PLANS

FAP ROUTE 327A (US 50)  
SECTION (12,13,14)CJS-1  
PROJECT NHPP-A8BM(065)  
CRACK & JOINT SEALING  
MARION COUNTY

C-98-086-22

FOR INDEX OF SHEETS, SEE SHEET NO.

TRAFFIC DATA

US 50 (BEGINNING OF PROJECT 0.1 MI W OF METCALF RD. TO OMEGA RD.)

LOCATION	US 50
2021 ADT	3900 (ACTUAL)
2042 ADT	4500 (ESTIMATED)
MU%	13.5
SU%	5.8

W. HWY 50 (OMEGA RD. TO SKILLET FORK RD.)

LOCATION	US 50
2021 ADT	3000 (ACTUAL)
2042 ADT	3500 (ESTIMATED)
MU%	16.7
SU%	5.7

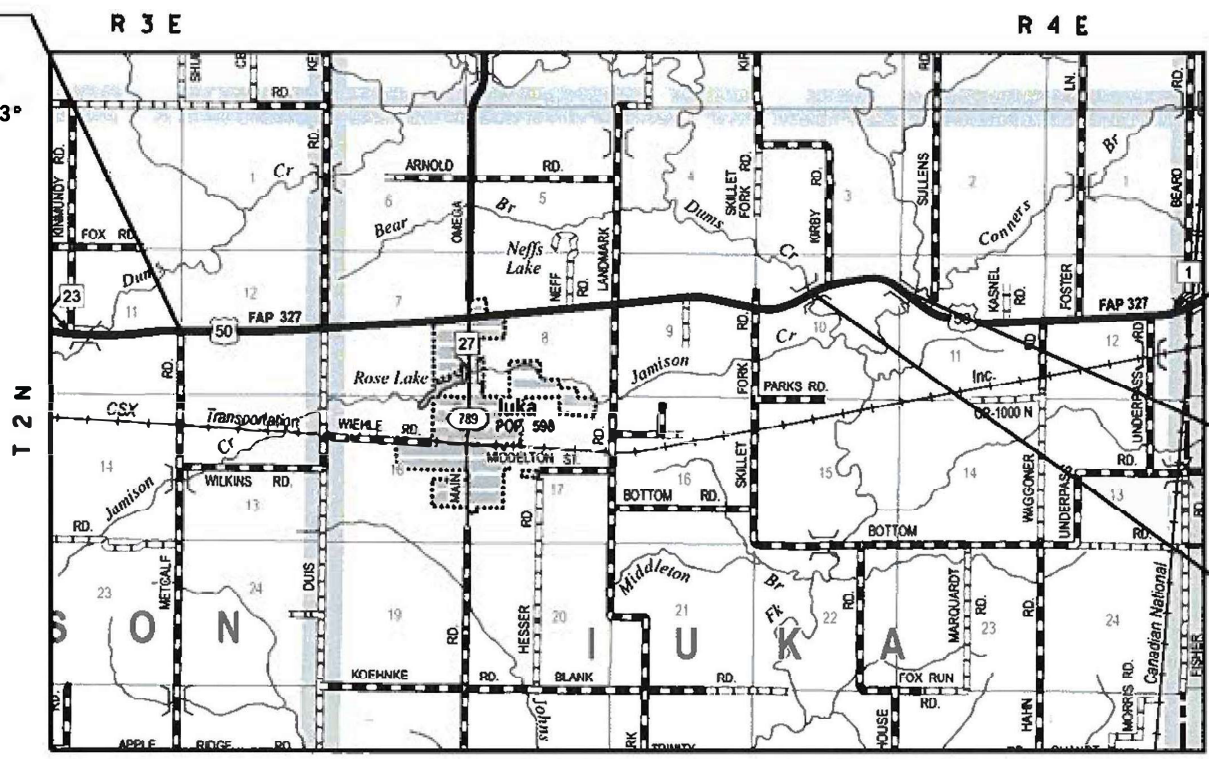
W. HWY 50 (SKILLET FORK RD. TO CLAY COUNTY LINE)

LOCATION	US 50
2021 ADT	2600 (ACTUAL)
2042 ADT	3000 (ESTIMATED)
MU%	19.2
SU%	7.7



LOCATION OF SECTION INDICATED THUS: —

BEGIN PROJECT  
(EXISTING JOINT)  
STA. 95+10  
LAT: 38.626917°  
LONG: -88.827483°

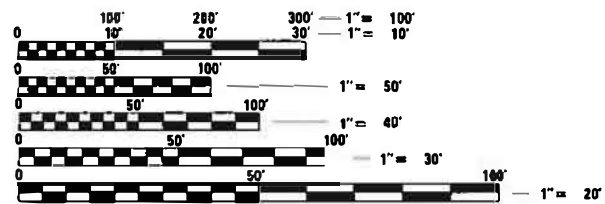


END PROJECT  
(EXISTING JOINT)  
STA. 473+15  
LAT: 38.62993°  
LONG: -88.69802°

BRIDGE OMISSION  
S.N. 061-0091  
STA. 374+53  
STA. 376+53  
(200 FT)

BRIDGE OMISSION  
S.N. 061-0090  
STA. 335+55 TO  
STA. 337+11  
(156 FT)

FUNCTIONAL CLASSIFICATION: OTHER PRINCIPAL ARTERIAL



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



1" = 1 MILE

GROSS LENGTH = 37,804.8 FT. = 7.16 MILE  
NET LENGTH = 37,448.8 FT. = 7.09 MILE

PROJECT ENGINEER: BILLIE OWEN  
PROJECT MANAGER: MEIWU AN

CONTRACT NO. 76R42

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED: *Dec. 16 2022*

*[Signature]*  
REGIONAL ENGINEER

February 3, 2023

*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

February 3, 2023

*[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4-5 TYPICAL SECTIONS
- 6 SCHEDULE OF QUANTITIES
- 7 LOCATION MAP
- 8 CRACK & JOINT SEALING DETAILS

**HIGHWAY STANDARDS**

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' AWAY
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' TO 24" FROM EDGE OF PAVEMENT
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS

**GENERAL NOTES**

- ① AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

		AERIAL	BURIED
AMEREN ILLINOIS	(ELECTRIC)	X	X
AT&T ILLINOIS	(COMMUNICATIONS)	X	X
WOOD RIVER BP AMOCO PIPELINE	(PIPELINE)		X
COUNTRYMARK COOPERATIVE, LLP	(PIPELINE)		X
ENERGY TRANSFER CRUDE OIL COMPANY, LLC	(PIPELINE)		X
VILLAGE OF IUKA	(WATER & SANITARY SEWER)		X
LIBERTY UTILITIES	(GAS)		X
MARATHON PIPE LINE LLC	(PIPELINE)		X
NORTHEAST MARION COUNTY WATER COMPANY	(WATER)		X
RACCOON WATER COMPANY	(WATER)		X
TRI-COUNTY ELECTRIC COOPERATIVE, INC	(ELECTRIC)	X	X
WABASH COMMUNICATIONS COOPERATIVE, INC	(COMMUNICATIONS)	X	X
WABASH COMMUNICATIONS COOPERATIVE, INC	(CABLE TV)	X	X
WINDSTREAM KDL, INC.	(COMMUNICATIONS)	X	X

- ② ESTIMATED CRACK FILLING APPLICATION RATE : 0.4 LB/FT
- ③ NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.
- ④ TWO CHANGEABLE MESSAGE SIGNS SHALL BE PLACED 14 DAYS IN ADVANCE OF CONSTRUCTION. EXACT LOCATION OF CHANGEABLE MESSAGE SIGNS SHALL BE DETERMINED BY THE ENGINEER.
- ⑤ THE RESIDENT ENGINEER SHALL DETERMINE EXACT LOCATION WHERE CRACKS ARE TO BE ROUTED AND FILLED.

**COMMITMENTS**

NONE

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 PROJECT: I:\Projects\2022\12\327A\327A.dwg  
 USER: rahshun.miller

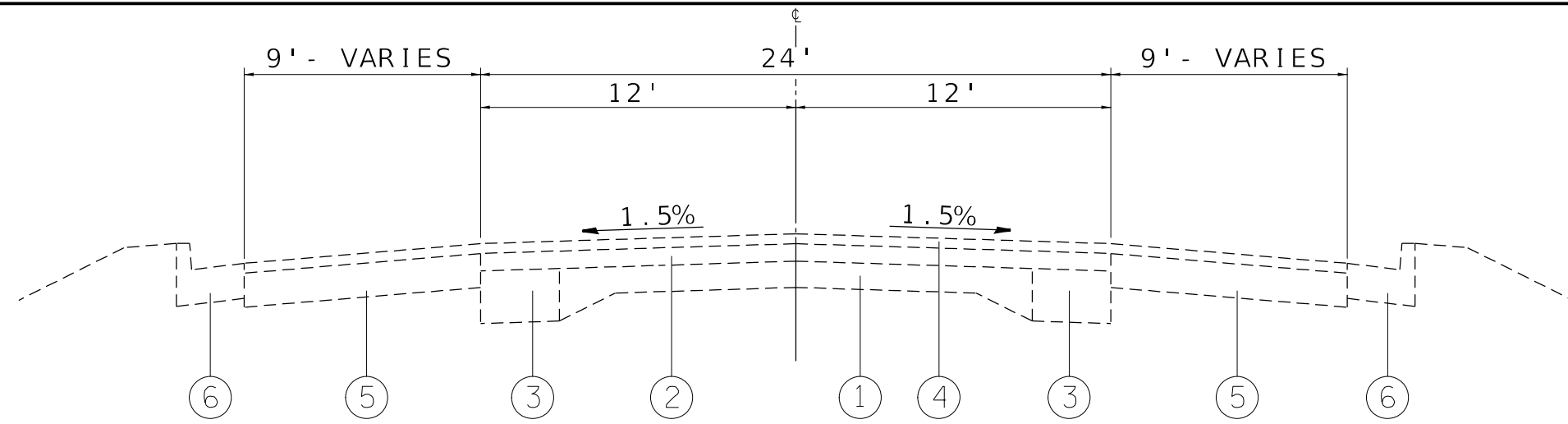
USER NAME = Rahshun,Miller	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, HIGHWAY STANDARDS GENERAL NOTES, COMMITMENTS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -			327A	(12,13,14)CJS-1	MARION	8	2	
PLOT DATE = 12/9/2022	CHECKED -	REVISED -			CONTRACT NO. 76R42					
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80/20% FED/STATE US 50 ROADWAY 0005 RURAL
45100100	CRACK ROUTING (PAVEMENT)	FOOT	101566	101566
45100200	CRACK FILLING	POUND	40628	40628
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	68	68
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	50779	50779

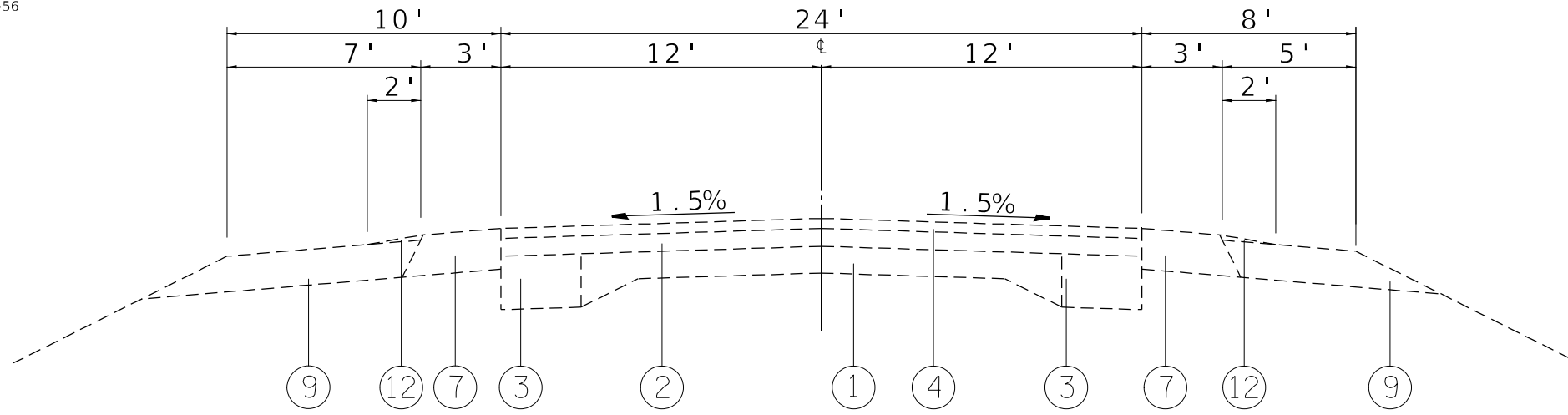
\* SPECIALTY ITEM

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	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



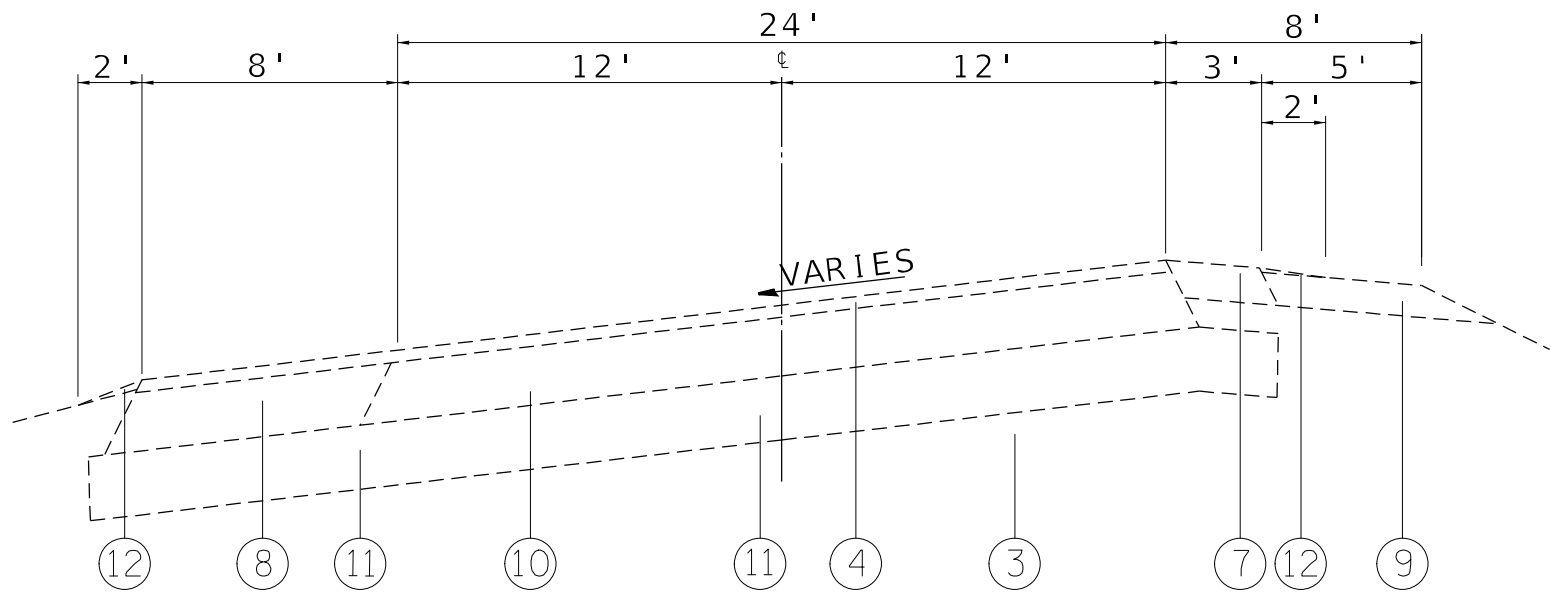
**EXISTING TYPICAL SECTION (US 50)**

STA. 208+65 TO STA. 211+56



**EXISTING TYPICAL SECTION (US 50)**

STA. 95+10.00 TO STA. 208+65.51  
 STA. 211+56.45 TO STA. 312+02.00  
 STA. 339+86 TO STA. 371+67  
 STA. 378+82 TO STA. 473+15



**EXISTING TYPICAL SECTION (US 50)**

STA. 316+13.85 TO STA. 328+04.90

- ① EXISTING 9"-6"-9" PCC PVMT
- ② EXISTING HMA RESURFACING
- ③ EXISTING HMA WIDENING
- ④ EXISTING HMA SURFACE COURSE. 2 1/4"
- ⑤ EXISTING PCC BASE COURSE, 10"
- ⑥ EXISTING COMB. CONC. C&G TY. B-6.24
- ⑦ EXISTING HMA SHOULDER, 6"
- ⑧ EXISTING HMA SHOULDER, 2"
- ⑨ EXISTING AGG SHOULDER. TY. B 6"
- ⑩ EXISTING HMA PAVEMENT
- ⑪ EXISTING LIME MODIFIED SOIL
- ⑫ EXISTING AGG WEDGE SHOULDER, TYPE B

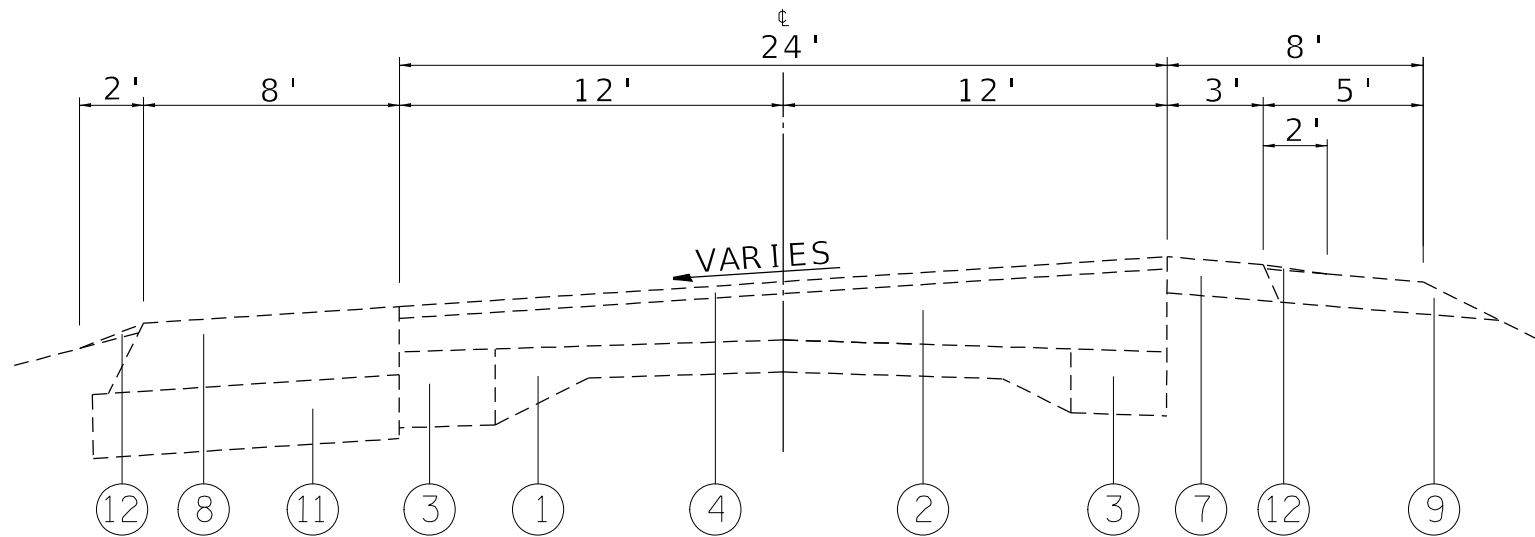
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

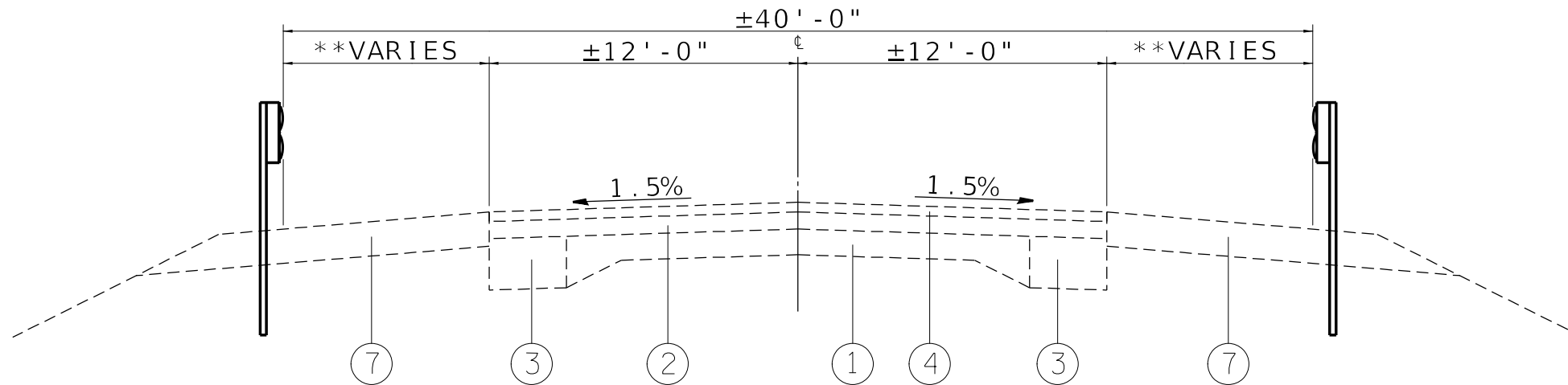
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STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327A	(12,13,14)CJS-1	MARION	8	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76R42	



**EXISTING TYPICAL SECTION (US 50)**

F.A.P. 327A (U.S. 50)  
 STA. 312+02.00 TO STA. 316+13.85  
 STA. 328+04.90 TO STA. 330+20



**EXISTING TYPICAL SECTION (US 50)**

STA. 330+20 TO STA. 335+25  
 BRIDGE OMISSION - STA. 335+25 TO STA. 337+40  
 STA. 337+40 TO STA. 339+86  
 STA. 371+67 TO STA. 374+22  
 BRIDGE OMISSION - STA. 374+22 TO STA. 378+82

- ① EXISTING 9"-6"-9" PCC PVMT
- ② EXISTING HMA RESURFACING
- ③ EXISTING HMA WIDENING
- ④ EXISTING HMA SURFACE COURSE. 2 1/4"
- ⑤ EXISTING PCC BASE COURSE, 10"
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- ⑩ EXISTING HMA PAVEMENT
- ⑪ EXISTING LIME MODIFIED SOIL
- ⑫ EXISTING AGG WEDGE SHOULDER, TYPE B

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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/5/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTION**

SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327A	(12,13,14)CJS-1	MARION	8	5
			CONTRACT NO. 76R42	
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE						
STATION		LENGTH	4" THERMOPLASTIC			
			WHITE	YELLOW		
			EDGE LINE	SKIP-DASH	NO PASSING	
		FOOT	FOOT	FOOT	FOOT	
95+10	TO	147+90	5280	5280.0	660.0	677.0
147+90	TO	200+70	5280	5280.0	660.0	699.0
200+70	TO	253+50	5280	5280.0	660.0	548.5
253+50	TO	306+30	5280	5280.0	660.0	313.0
306+30	TO	335+55	2925	2925.0	365.6	2314.0
335+55	TO	337+11	156	BRIDGE OMISSION 0090		
337+11	TO	374+53	3742	3742.0	467.8	1835.0
374+53	TO	376+53	200	BRIDGE OMISSION 0091		
376+53	TO	429+33	5280	5280.0	660.0	1259.0
429+33	TO	473+15	4382	4382.0	547.8	1003.0
SUBTOTAL :				37449	4681	8649
TOTAL :				50779		

CRACK & JOINT SEALING SCHEDULE								
STATION	TO	STATION	LENGTH	LONGITUDINAL CRACK (EDGELINES)	LONGITUDINAL CRACK (CENTERLINE)	TRANVERSE CRACKS	CRACK ROUTING	CRACK FILLING
			FOOT	FOOT	FOOT	FOOT	FOOT	POUND
95+10	TO	102+50	740					
102+50	TO	335+55	23305	23305	23305	17868	64478	25792
335+55	TO	337+11	156	(BRIDGE OMISSION 0090)				
337+11	TO	374+53	3742.0	3742	3742	2870	10354	4142
374+53	TO	376+53	200	(BRIDGE OMISSION 0091)				
376+53	TO	441+15	6462	6462	6462	4956	17880	7152
441+15	TO	473+15	3200	3200	3200	2454	8854	3542
TOTAL :							101566	40628

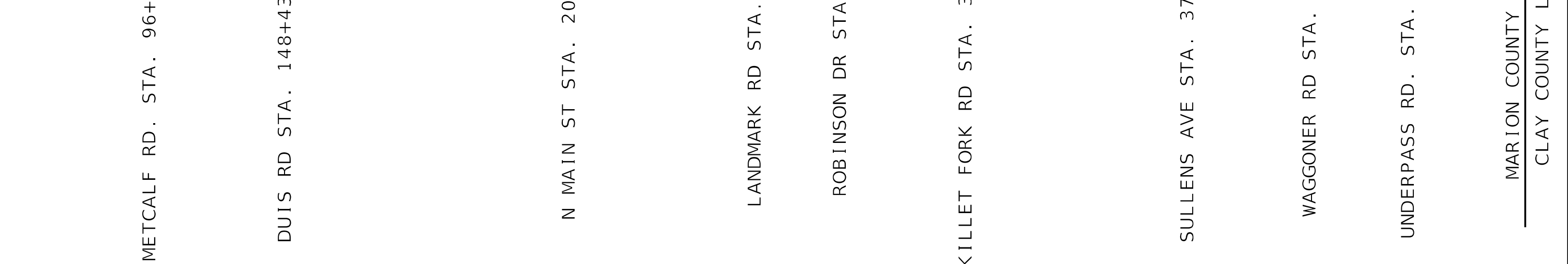
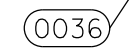
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	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



BEGIN PROJECT:  
STA. 95+10  
(EXISTING JOINT)

END PROJECT:  
STA. 473+15  
(EXISTING JOINT)



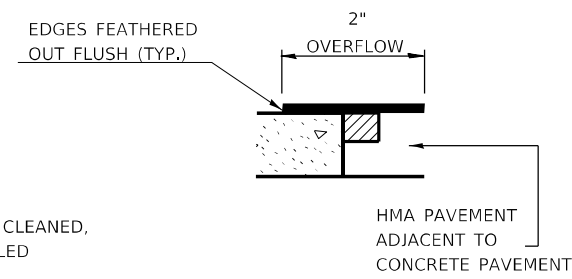
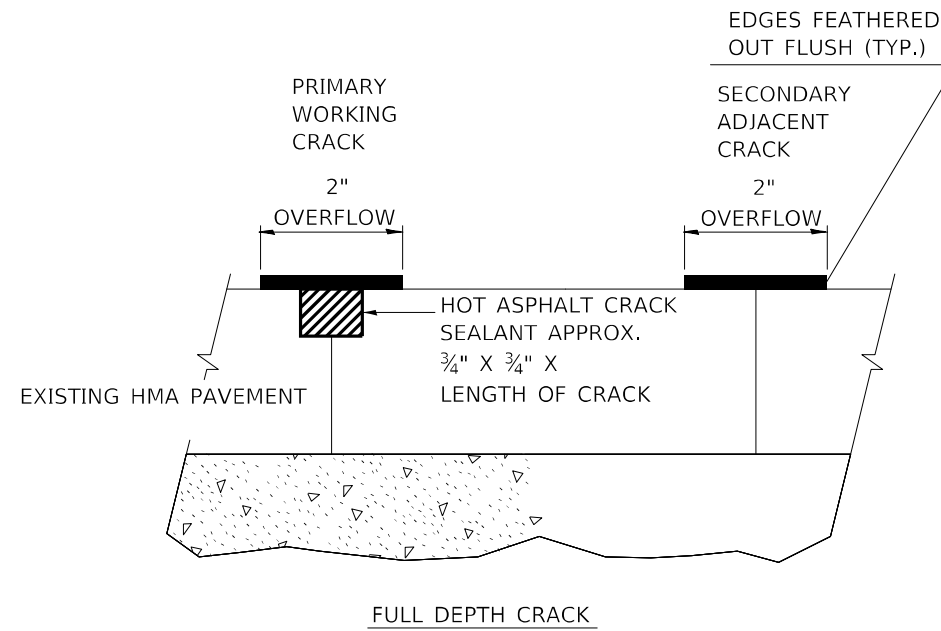
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PLOT DATE = 12/5/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LOCATION MAP</b>			
SCALE: NTS	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE. 327A	SECTION (12,13,14)CJS-1	COUNTY MARION	TOTAL SHEETS 8	SHEET NO. 7
CONTRACT NO. 76R42			ILLINOIS FED. AID PROJECT	



 ROUTED, CLEANED, AND SEALED

CRACK & JOINT SEALING DETAILS

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/5/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CRACK AND JOINT SEALING DETAILS**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327A	(12,13,14)CJS-1	MARION	8	8
CONTRACT NO. 76R42				
ILLINOIS FED. AID PROJECT				