

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	102RS-5	PERRY	12	1
		ILLINOIS	CONTRACT NO. 78A68	

D-99-047-24

FOR INDEX OF SHEETS, SEE SHEET NO. 3

**TRAFFIC DATA**

ADT (2025): 2,140 WITH 7% TRUCKS

**TOWNSHIPS**

SWANWICK

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 103 (IL 13)  
SECTION 102RS-5  
PROJECT STP-YVQC(335)  
SMART RESURFACING  
PERRY COUNTY

C-99-094-24



PROJECT BEGINS  
STA. 337+92

PROJECT ENDS  
STA. 509+79

**OMISSION**

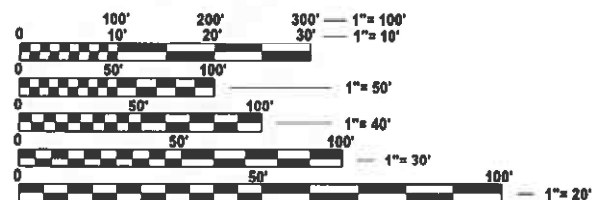
SN 073-7089 STA 379+80 TO STA 380+34

SN 073-7088 STA 428+32 TO STA 429+00

DESIGN DESIGNATION : N/A

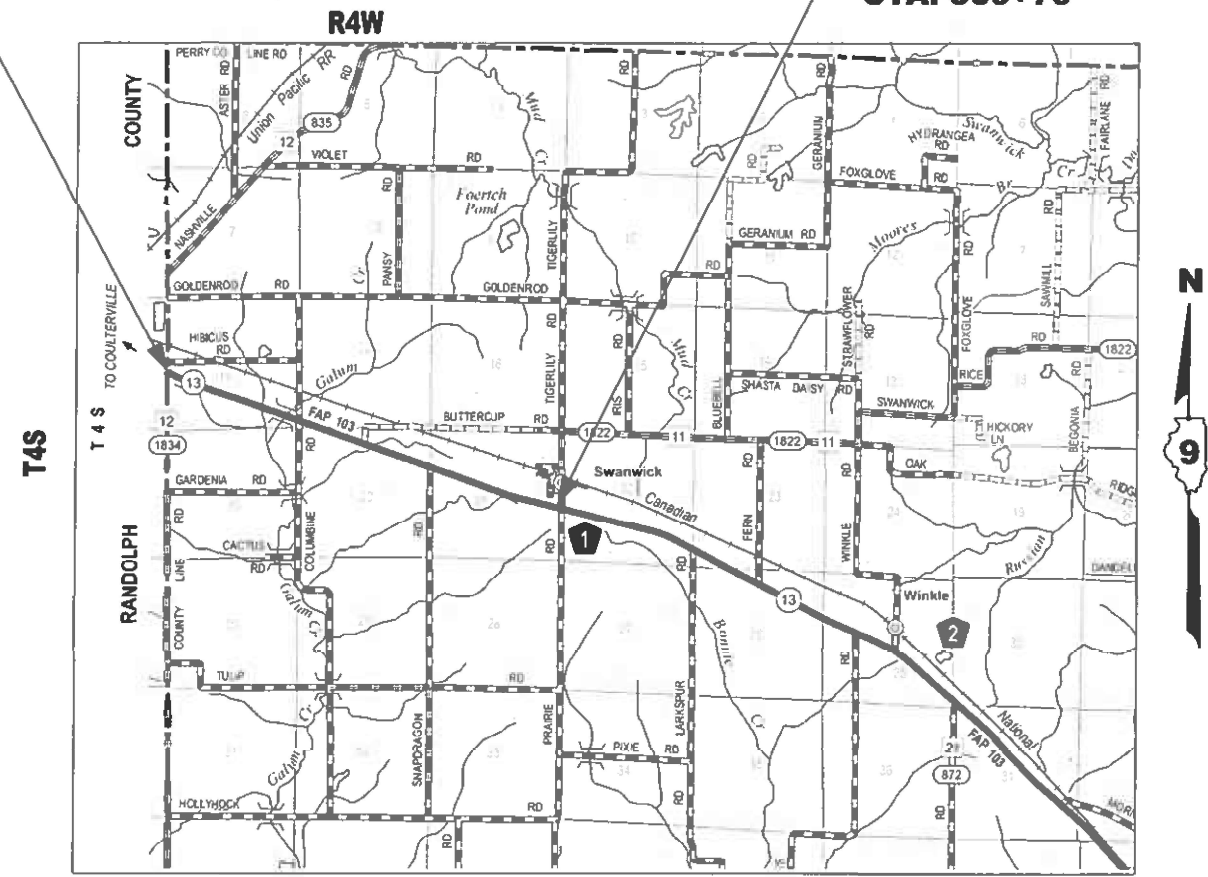
COORDINATE SYSTEM : N/A

POSTED SPEED : 55 MPH



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



GROSS LENGTH = 17,212.8 FT. = 3.26 MILE  
NET LENGTH = 17,187 FT. = 3.25 MILE

PROJECT ENGINEER NATHAN TAYLOR  
PROJECT MANAGER ALEXIS HALL

CONTRACT NO. 78A68

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 2 2024  
Kirk H. Grant  
REGIONAL ENGINEER

December 6, 2024  
Scott A. Etk  
ENGINEER OF DESIGN AND ENVIRONMENT

December 6, 2024  
James J. Gu  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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Prepared By: Susan Poe  
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Hester  
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Car Nelson  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: R. C. Cogg  
DISTRICT OPERATIONS ENGINEER

Examined By: Darryl White  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Brian Mills  
DISTRICT CONSTRUCTION ENGINEER

Examined By: Aam Hays  
DISTRICT MATERIALS ENGINEER

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNATURE SHEET**

SCALE: SHEET 2 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	102R6-5	PERRY	12	2
CONTRACT NO. 78A68				
ILLINOIS FED. AID PROJECT				

# GENERAL NOTES

ALL HOT MIX ASPHALT 2.016 TONS/CU. YD.  
 ALL AGGREGATE 2.05 TONS/CU. YD.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE REMOVAL AND SURFACE COURSE

HMA RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 2,000 FT, THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE HMA SURFACE COURSE

INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE PAVED IN A SEPARATE OPERATION FROM THE MAINLINE PAVEMENT

DESIGNER'S NOTE: WHEN SHOULDERS RESURFACING OF 6 FT OR LESS IS ALLOWED TO BE PLACED SIMULTANEOUSLY WITH THE ADJACENT TRAFFIC LANE, THE MAINLINE QUALITY MANAGEMENT PROGRAM WILL BE ENFORCED FOR THE MAINLINE AND SHOULDERS.

COMMITMENTS: NONE

# INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	GENERAL NOTES, INDEX SHEETS, HIGHWAY STANDARDS
4	MIXTURE DESIGN AND MTD RESTRICTIONS
5-6	SUMMARY OF QUANTITIES
7-8	TYPICAL SECTIONS: IL 13
9	MAINLINE RESURFACING, SIDEROAD, SHORT TERM PAVEMENT MARKING SCHEDULES
10	PATCHING SCHEDULE
11	DETAILS: INLAY DETAILS, SIDEROAD DETAIL
12	DETAILS: ROUGH GROOVED SURFACE, UNEVEN LANES, AND TEMPORARY HMA TRANSITIONS

# HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 420001-10 PAVEMENT JOINTS
- 442201-03 CLASS C & D PATCHES
- 482011-03 HMA SHOULDER, STRIPS\_SHOULDERS, WITH RESURFACING OR WIDENING & RESURFACING PROJECTS
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15 FT AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15 FT TO 24 IN FROM PAVEMENT EDGE
- 701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS 45 MPH OR MORE
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS 45 MPH OR MORE
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701336-07 LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS 45MPH OR MORE
- 701901-10 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

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	DRAWN -	REVISED -			103	102RS-5	PERRY	12	3
	CHECKED -	REVISED -			CONTRACT NO. 78A68				
PLOT DATE = 10/2/2024	DATE -	REVISED -			SCALE:	SHEET 3	OF 12 SHEETS	STA.	TO STA.

## HMA MIXTURE REQUIREMENTS TABLES

The following HMA mixture requirements are applicable for this project

Locations	Hot-Mix Asphalt Surface Course, Incidental Hot-Mix Asphalt Surfacing
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N70
AB/PG:	PG64-22
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm
Friction Aggregate:	MIX C
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCP
Sublot Size:	1,000 Tons
Material Transfer Device (Required?)	YES

## MTD CROSSING RESTRICTIONS TABLE

STRUCTURE NUMBER	EXISTING FILL HEIGHT OVER BOX CULVERT	THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT	MAXIMUM GROSS WEIGHT RESTRICTIONS	MTD CROSSING RESTRICTIONS
	FOOT	FOOT	TONS	
IL 13 ( FAP 103) PERRY COUNTY				
SN 073-7089	N/A	N/A	40	Emptied *
SN 073-2005	N/A	N/A	40	Emptied *
SN 073-7088	N/A	N/A	40	Emptied *

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MIXTURE DESIGN  
MTD RESTRICTIONS**

SCALE: SHEET 4 OF 12 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	102RS-5	PERRY	12	4
CONTRACT NO. 78A68				
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES

COUNTY:	PERRY
ROUTE:	FAP 103
FUNDING:	80% FEDERAL 20% STATE
LOCATION:	RURAL
	ROADWAY
	0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	22,070	22,070
40600370	LONGITUDINAL JOINT SEALANT	FOOT	16,893	16,893
40600990	TEMPORARY RAMP	SQ YD	157	157
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	4,123	4,123
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	42	42
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	48,804	48,804
44201403	CLASS C PATCHES, TYPE II, 14 INCH	SQ YD	381	381
44201407	CLASS C PATCHES, TYPE III, 14 INCH	SQ YD	224	224
48101200	AGGREGATE SHOULDERS, TYPE B	TON	268	268
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1

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PLOT DATE = 10/2/2024	DATE -	REVISED -											ILLINOIS   FED. AID PROJECT

## SUMMARY OF QUANTITIES - CONT

COUNTY:	PERRY
ROUTE:	FAP 103
FUNDING:	80% FEDERAL 20% STATE
LOCATION:	RURAL
TOTAL QUANTITY	ROADWAY 0005

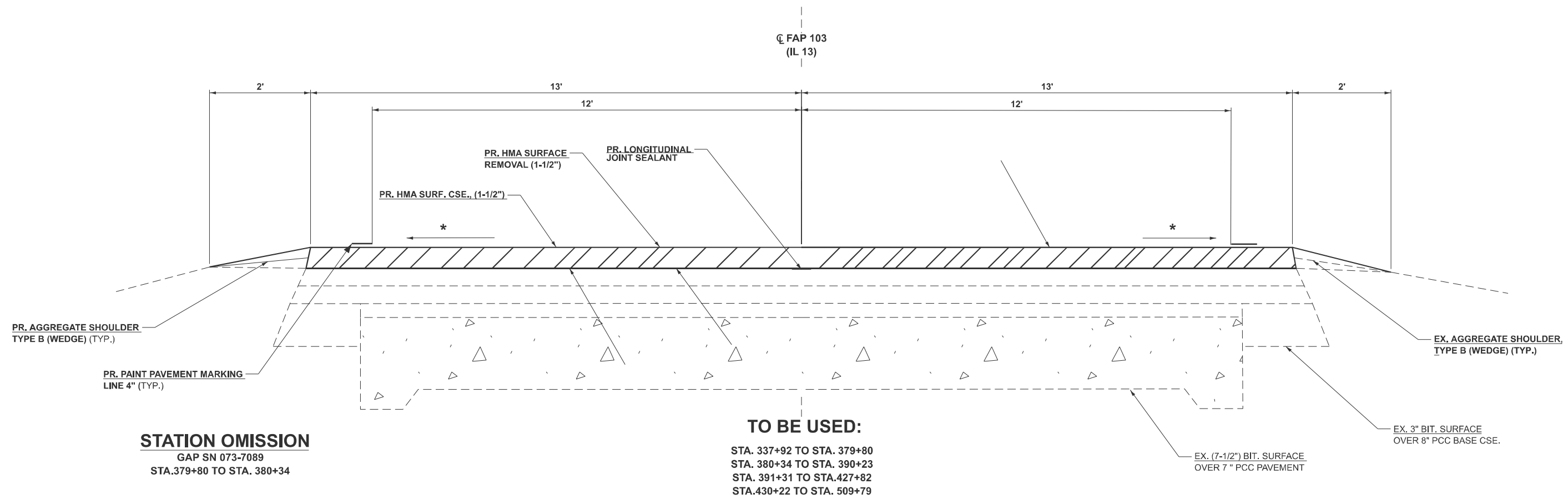
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0005
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3,131	3,131
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,566	1,566
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	39,923	39,923
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	39,923	39,923
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	217	217
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	217	217
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	13,309	13,309
40600405	MATERIAL TRANSFER DEVICE	TON	4,123	4,123

\* SPECIALTY ITEM

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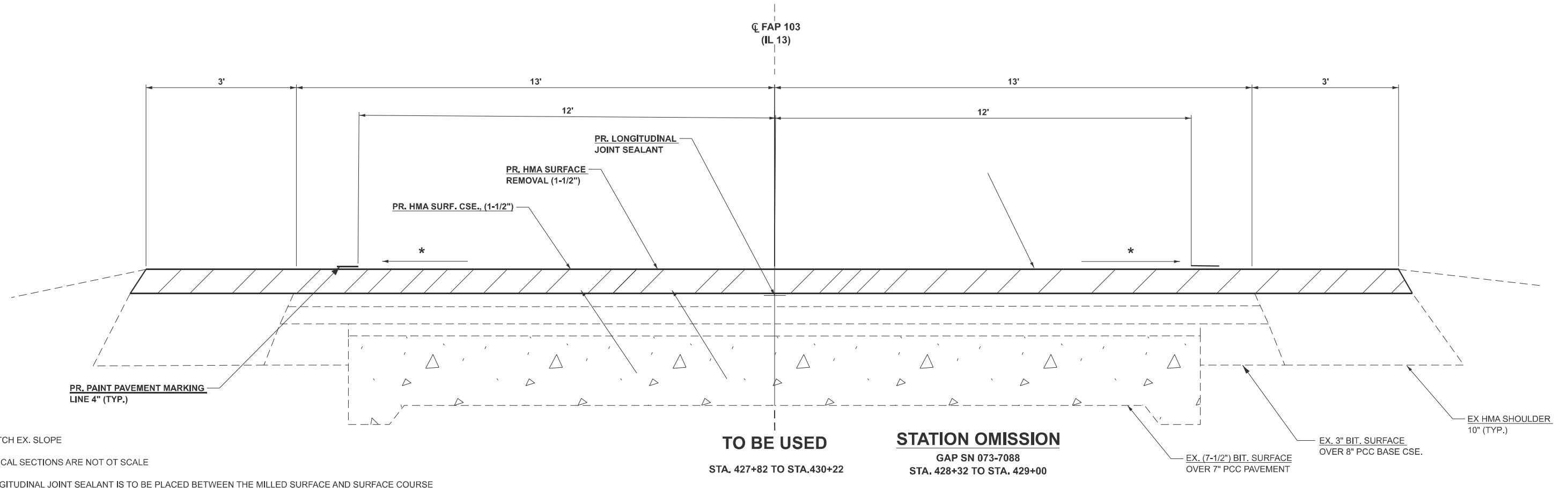
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	DRAWN -	REVISED -		SCALE:	SHEET 6	OF 12	SHEETS	STA.	TO STA.	103	102RS-5	PERRY	12	6
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PLOT DATE = 10/2/2024	DATE -	REVISED -		ILLINOIS   FED. AID PROJECT										



**STATION OMISSION**  
 GAP SN 073-7089  
 STA.379+80 TO STA. 380+34

**TO BE USED:**  
 STA. 337+92 TO STA. 379+80  
 STA. 380+34 TO STA. 390+23  
 STA. 391+31 TO STA.427+82  
 STA.430+22 TO STA. 509+79



**TO BE USED**  
 STA. 427+82 TO STA.430+22

**STATION OMISSION**  
 GAP SN 073-7088  
 STA. 428+32 TO STA. 429+00

\* MATCH EX. SLOPE  
 -TYPICAL SECTIONS ARE NOT OT SCALE  
 -LONGITUDINAL JOINT SEALANT IS TO BE PLACED BETWEEN THE MILLED SURFACE AND SURFACE COURSE

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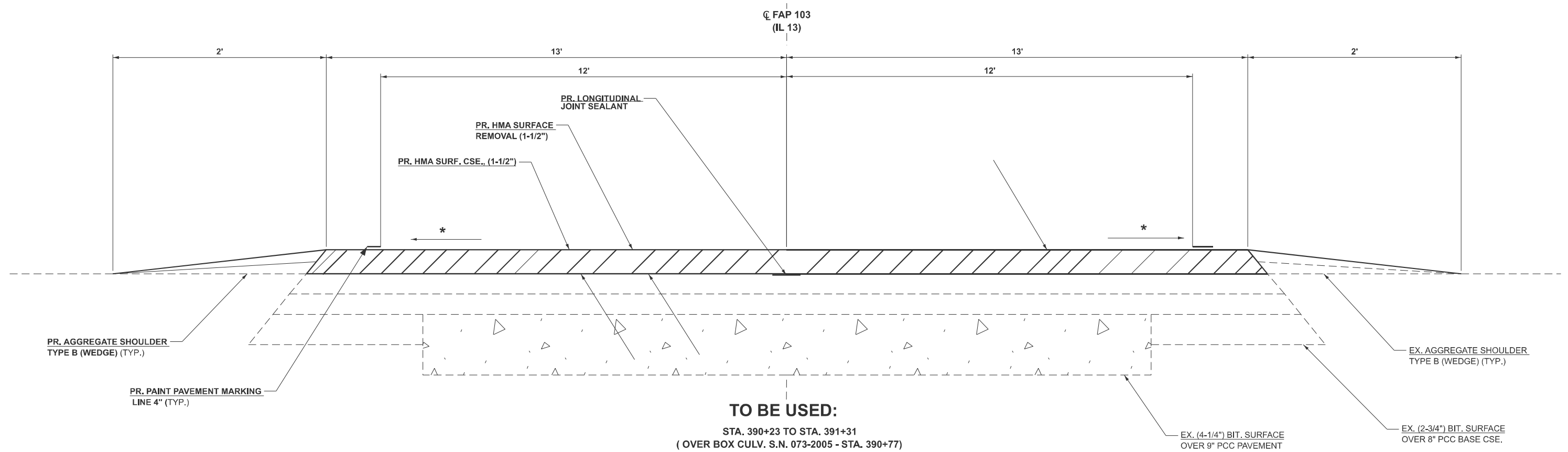
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: SHEET 7 OF 12 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	102RS-5	PERRY	12	7
CONTRACT NO. 78A68				
ILLINOIS FED. AID PROJECT				



**TO BE USED:**  
 STA. 390+23 TO STA. 391+31  
 ( OVER BOX CULV. S.N. 073-2005 - STA. 390+77)

- \* MATCH EX. SLOPE
- TYPICAL SECTIONS ARE NOT OT SCALE
- LONGITUDINAL JOINT SEALANT IS TO BE PLACED BETWEEN THE MILLED SURFACE AND SURFACE COURSE

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
SCALE:	SHEET 8	OF 12 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	102RS-5	PERRY	12	8
CONTRACT NO. 78A68				
ILLINOIS FED. AID PROJECT				



## MAINLINE RESURFACING SCHEDULE

STATION TO STATION	LENGTH (FT)	ROADWAY WIDTH (FT)	AGG SHLD WIDTH LT/RT (FT)	HMA SURF., REM. 1 1/2" (SQ YD)	HMA SURF., CSE., MIX C, N70 (TON)	BIT. MAT. (TACK COAT) (POUNDS)	TEMPORARY RAMP (SQ YD)	AGG. WEDGE, SHOULDER TYPE B (TON)	LONGITUDINAL JOINT SEALANT (FT)	MATERIAL TRANSFER DEVICE (TON)	REMARKS			
												INFORMATION ONLY		
												(FT)	(FT)	(FT)
<b>IL 13 FROM RANDOLPH/PERRY COUNTY LINE TO SWANWICK-RICE RD</b>														
337+92 TO 379+80	4188	26	2	12099	1022	5445	29	63	4188	1022				
379+80 TO 380+34	GAP S.N. 073-7069													
380+34 TO 390+23	989	26	2	2858	242	1286	15	17	989	242				
390+23 TO 391+31	108	26	2	312	27	141		5	108	27	S.N. 073-2005			
391+31 TO 427+82	3,651	26	2	10548	891	4747		55	3651	891				
427+82 TO 428+32	50	32	3	178	13	81	18	5	50	13				
428+32 TO 429+00	GAP S.N. 073-7088													
429+00 TO 430+22	122	32	3	434	30	196	18	6	122	30				
430+22 TO 509+79	7,957	26	2	22987	1941	10345	15	117	7957	1941				
<b>TOTALS:</b>				<b>48804</b>	<b>4123</b>	<b>21964</b>	<b>95</b>	<b>268</b>	<b>16893</b>	<b>4123</b>				

## SIDEROAD SCHEDULE

STATION	ROAD NAME	ENTRANCE TYPE	EXISTING SURFACE	EDGE OF PAVEMENT WIDTH	END OF TAPER WIDTH AT 15' O/S	BITUMINOUS MATERIAL TACK COAT (POUNDS)	INCIDENTAL HMA SURFACING (TON)	TEMPORAR Y RAMP (SQ YD)	
			FOR INFORMATIONAL USE ONLY						
			(FOOT)	(FOOT)	(FOOT)				
<b>IL 13 PERRY COUNTY</b>									
RT	338+26.5	RANDOLPH/PERRY CO. LINE	SR	HMA	171	110	106	42	62
<b>TOTALS:</b>							106	42	62

## TEMPORARY PAVEMENT MARKINGS SCHEDULE

LOCATION STATION TO STATION	TEMPORARY PAVEMENT MAKING				TEMPORARY PAVEMENT MARKING REMOVAL (GRINDING) (SQ FT)	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL (SQ FT)	REMARKS
	LENGTH	LINE 4"						
		YELLOW		WHITE				
		SOLID	SKIP DASH	SOLID				
(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)	(FOOT)	(SQ FT)		
<b>IL 13 PERRY COUNTY</b>								
337+92 TO 339+16	124	124	31	248	135	23	12	EB LANE NO PASSING
339+16 TO 340+88	172		43	344	129	32	16	PASSING
340+88 TO 351+60	1076	1076	269	2152	1166	196	98	WB LANE NO PASSING
351+60 TO 509+98	15838		3960	31676	11879	2880	1440	PASSING
<b>SUB-TOTALS:</b>		1200	4303	34420	13309	3131	1566	
<b>TOTALS :</b>		<b>39923</b>		<b>13309</b>	<b>3131</b>	<b>1566</b>		

## PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION	LENGTH (FOOT)	PAINT PAVEMENT MARKING			RAISED REFLECTIVE PAVEMENT MARKER EACH	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL EACH	REMARKS
		LINE 4"					
		YELLOW	WHITE				
		SOLID	SKIP DASH	SOILD			
(FOOT)	(FOOT)	(FOOT)	(FOOT)	EACH	EACH		
<b>IL 13 PERRY COUNTY</b>							
337+92 TO 339+16	124	124	31	248	2	2	EB LANE NO PASSING
339+16 TO 340+88	172		43	344	3	3	PASSING
340+88 TO 351+60	1076	1076	269	2152	14	14	WB LANE NO PASSING
351+60 TO 509+98	15838		3960	31676	198	198	PASSING
<b>SUB-TOTALS:</b>		1200	4303	34420	217	217	
<b>TOTALS:</b>		<b>39923</b>		<b>217</b>	<b>217</b>		

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINLINE RESURFACING, SIDEROAD, SHORT TERM PAVEMENT,  
PAVEMENT MARKING SCHEDULES**

SCALE: SHEET 9 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	102RS-5	PERRY	12	9
CONTRACT NO. 78A68				
ILLINOIS FED. AID PROJECT				

WESTBOUND PAVEMENT PATCHING							
PATCH NUMBER	DISTANCE FROM THE START OF PROJECT	LENGTH	WIDTH	AREA	CLASS C PATCHES, TYPE II, 14 INCH (SQ YD)	CLASS C PATCHES, TYPE III, 14 INCH (SQ YD)	NOTES
	(MILES)	(FOOT)	(FOOT)	(SQ YD)			
IL 13 PERRY COUNTY							
1	0.04	12	12	16.0		16.0	MILE MARKER 0 = EAST END OF THE JOB
2	0.08	6	12	8.0	8.0		
3	0.11	8	12	10.7	10.7		
4	0.21	12	12	16.0		16.0	
5	0.32	10	12	13.3	13.3		
6	0.51	6	12	8.0	8.0		
7	0.56	8	12	10.7	10.7		
8	0.62	12	12	16.0		16.0	
9	0.8	8	12	10.7	10.7		
10	0.92	12	12	16.0		16.0	
11	1.44	12	12	16.0		16.0	
12	1.51	12	12	16.0		16.0	
13	1.6	6	12	8.0	8.0		
14	1.71	6	12	8.0	8.0		
15	1.8	6	12	8.0	8.0		
16	1.82	6	12	8.0	8.0		
17	1.9	8	12	10.7	10.7		
18	2	6	12	8.0	8.0		
19	2.12	6	12	8.0	8.0		
20	2.15	6	12	8.0	8.0		
21	2.3	10	12	13.3	13.3		
22	2.35	8	12	10.7	10.7		
23	2.41	8	12	10.7	10.7		
24	2.5	6	12	8.0	8.0		
25	2.72	12	12	16.0		16.0	
26	2.81	8	12	10.7	10.7		
27	2.88	6	12	8.0	8.0		
<b>WESTBOUND TOTALS:</b>					<b>189.3</b>	<b>112</b>	

EASTBOUND PAVEMENT PATCHING							
PATCH NUMBER	DISTANCE FROM THE START OF PROJECT	LENGTH	WIDTH	AREA	CLASS C PATCHES, TYPE II, 14 INCH (SQ YD)	CLASS C PATCHES, TYPE III, 14 INCH (SQ YD)	NOTES
	(MILES)	(FOOT)	(FOOT)	(SQ YD)			
IL 13 PERRY COUNTY							
28	0.04	12	12	16.0		16.0	MILE MARKER 0 = EAST END OF THE JOB
29	0.11	8	12	10.7	10.7		
30	0.21	12	12	16.0		16.0	
31	0.32	10	12	13.3	13.3		
32	0.51	6	12	8.0	8.0		
33	0.56	8	12	10.7	10.7		
34	0.62	12	12	16.0		16.0	
35	0.92	12	12	16.0		16.0	
36	1.04	8	12	10.7	10.7		
37	1.21	8	12	10.7	10.7		
38	1.44	8	12	10.7	10.7		
39	1.5	6	12	8.0	8.0		
40	1.51	6	12	8.0	8.0		
41	1.6	12	12	16.0		16.0	
42	1.71	6	12	8.0	8.0		
43	1.82	6	12	8.0	8.0		
44	1.9	8	12	10.7	10.7		
45	2	6	12	8.0	8.0		
46	2.12	6	12	8.0	8.0		
47	2.15	6	12	8.0	8.0		
48	2.3	10	12	13.3	13.3		
49	2.35	8	12	10.7	10.7		
50	2.41	8	12	10.7	10.7		
51	2.5	6	12	8.0	8.0		
52	2.72	12	12	16.0		16.0	
53	2.81	12	12	16.0		16.0	
54	2.88	6	12	8.0	8.0		
<b>EASTBOUND TOTALS:</b>					<b>192.0</b>	<b>112</b>	

PAVEMENT PATCHING TOTALS		
LOCATION	CLASS C PATCHES TYPE II, 14 INCH (SQ YD)	CLASS C PATCHES TYPE III, 14 INCH (SQ YD)
WESTBOUND SUB-TOTAL	189.3	112
EASTBOUND SUB-TOTAL	192.0	112
<b>TOTALS:</b>	<b>381.3</b>	<b>224</b>

MODEL: Patching Schedule (Sheet)  
 FILE NAME: c:\pawork\pawork\illinois.gov\_alexis.hall2\illinois.gov\_alexis.hall2\ShE-Schedules.dgn

USER NAME = Alexis.Hall2	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/2/2024	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

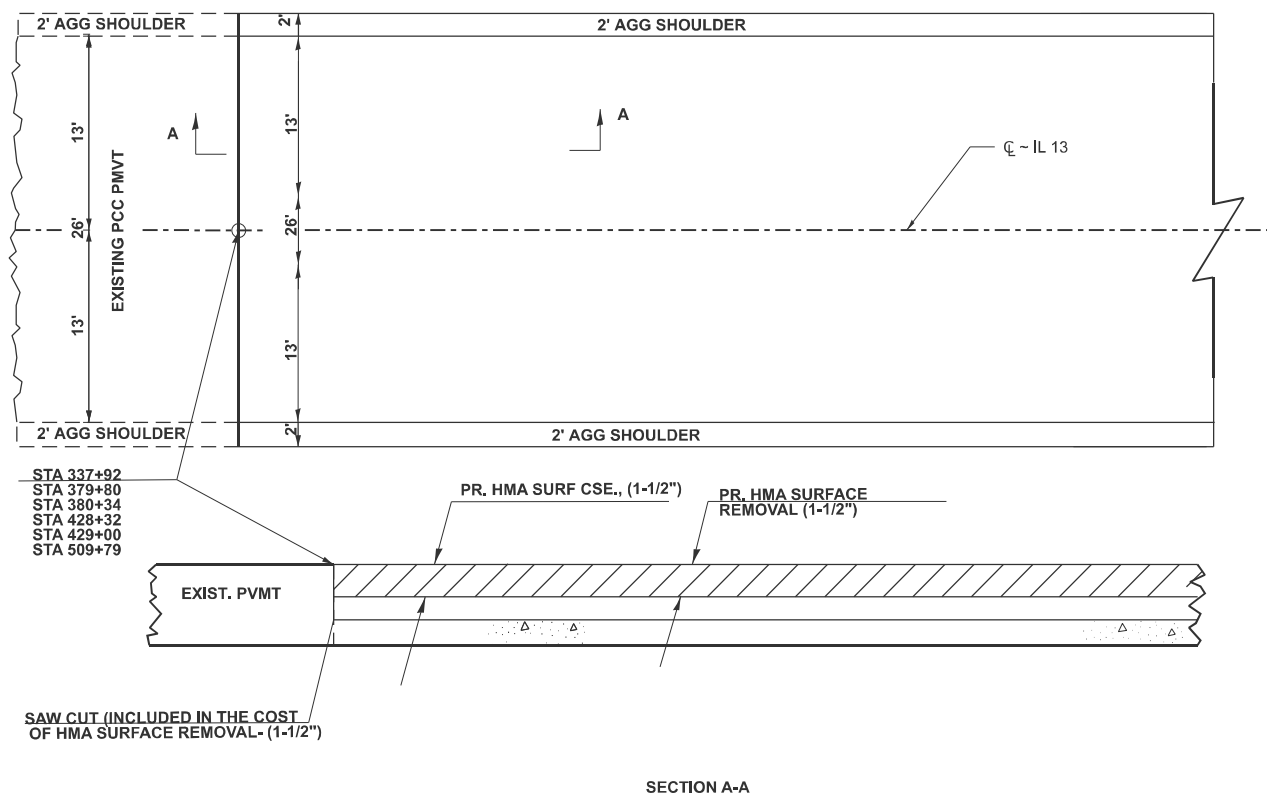
**PAVEMENT PATCHING SCHEDULES**

SCALE: SHEET 10 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	102RS-5	PERRY	12	10
CONTRACT NO. 78A68				
ILLINOIS FED. AID PROJECT				

## INLAY DETAIL

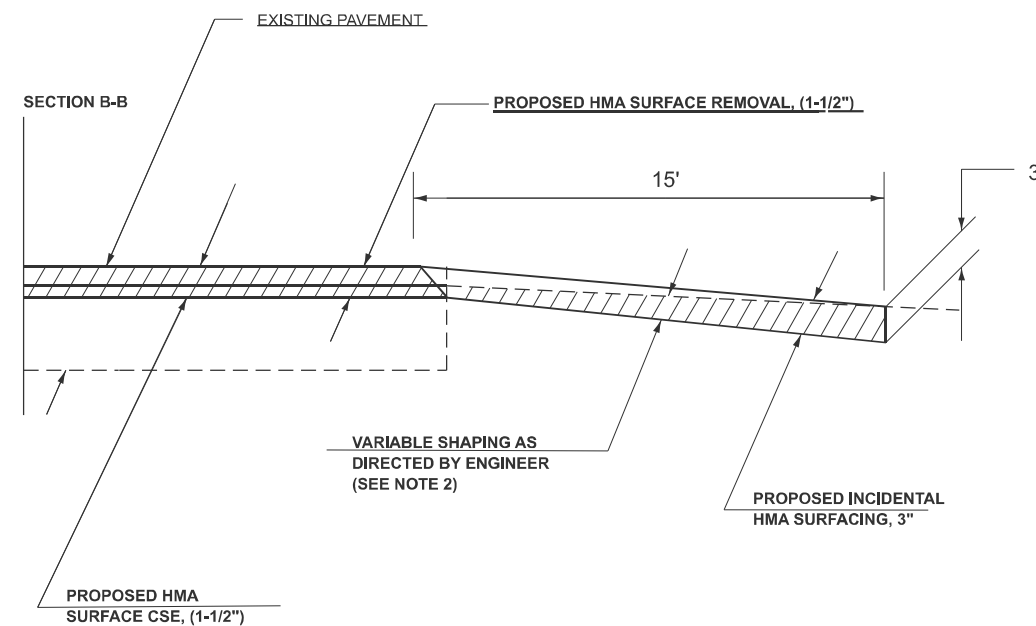
W.T.E.



SAW CUT (INCLUDED IN THE COST OF HMA SURFACE REMOVAL - (1-1/2"))

SECTION A-A

## HMA SIDEROAD WITH AGG SHLD



### NOTES

1. IF EXISTING SUBBASE IS INADEQUATE, AS DETERMINED BY THE ENGINEER, THE SIDE ROADS SHALL BE CORED OUT AND AGGREGATE SUBBASE, TYPE B SHALL BE PLACED FOR BASE. THE COST OF CORING OUT THE SIDE ROAD AND ANY AGGREGATE BASE COURSE SHALL BE PAID FOR AS SPECIFIED IN ART. 109.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. IF EXISTING SUBBASE IS DETERMINED TO BE ADEQUATE, THE PREPARATION OF THE BASE SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.09.
2. VARIABLE SHAPING IS INCLUDED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACING.

NOTE: BUTT JOINT IS PAID AS (1-1/2") SURFACE REMOVAL

MODEL: INLAY DETAIL (Sheet)  
FILE NAME: c:\p\work\pav\illinois.gov\_alexis.hall2\illinois.gov\1017189\0978468-ShIS-District\Stas.dgn

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/26/2024	DATE -	REVISED -

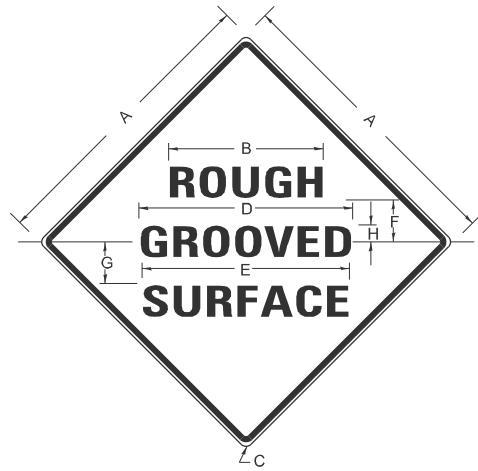
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INLAY DETAIL  
SIDEROAD DETAIL**

SCALE: SHEET 11 OF 12 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	102RS-5	PERRY	12	11
CONTRACT NO. 78A68				
ILLINOIS FED. AID PROJECT				

**ILLINOIS STANDARD  
ROUGH GROOVED SURFACE SIGN**



**COLORS**

LEGEND AND BORDER- BLACK NON-REFLECTORIZED  
BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR-GIN	BOR-DER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

**NOTES**

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

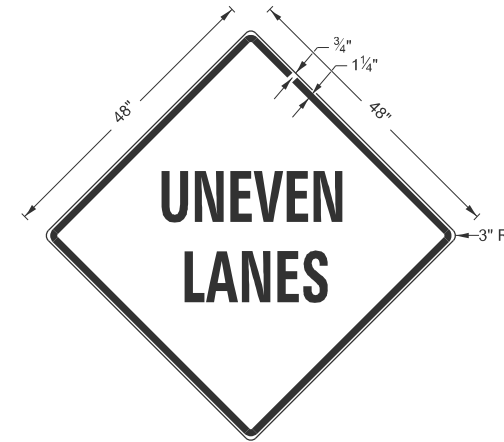
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

DRAWN	02-15-89
REVISED	03-27-08
REVISED	10-21-21
REVISED	05-27-22

STD. 9-23

**UNEVEN LANES SIGN  
W8-11 (48" X 48")**



**COLORS:**

LEGEND AND BORDER - BLACK NON-REFLECTORIZED  
BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

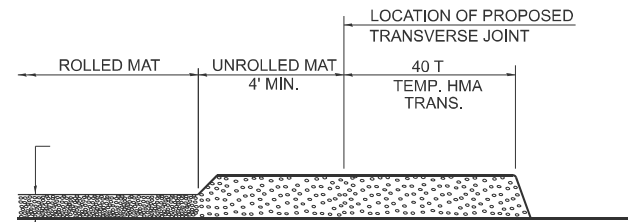
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

DRAWN	02-15-89
REVISED	05-08-08
REVISED	10-21-21
REVISED	05-27-22

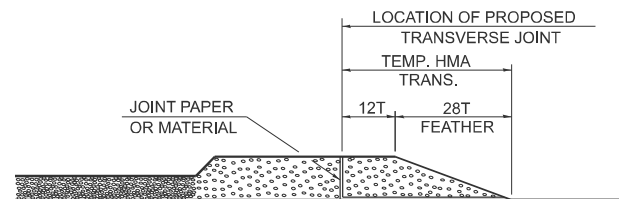
STD. 9-24

**TEMPORARY HOT-MIX ASPHALT TRANSITIONS**



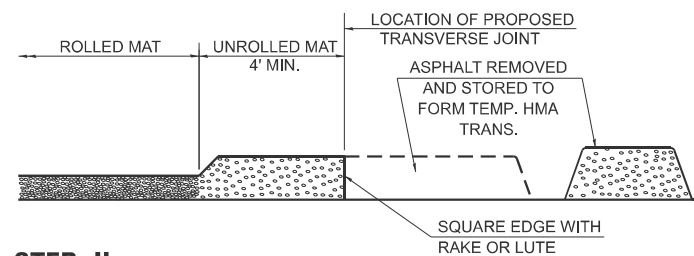
**STEP I**

1. PLACE HOT-MIX ASPHALT MAT, LENGTH 40 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



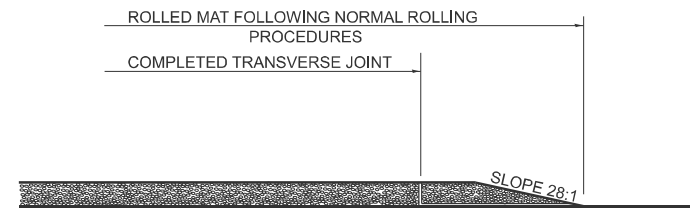
**STEP III**

1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



**STEP II**

1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



**STEP IV**

1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS.

DRAWN	02-15-89
REVISED	01-09-07
REVISED	10-21-21
REVISED	05-26-22

STD. 9-18

MODEL - STANDARD DETAILS (Sheet)  
FILE NAME - c:\p\work\wv\illinois.gov\_alexis.hall2\illinois.gov\_alexis.hall2\017189\0978\668-ShrS-District\Std.sgm

USER NAME = Alexis.Hall2	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/26/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROUGH GROOVED SURFACE, UNEVEN LANES,  
AND TEMPORARY HMA TRANSITIONS**

SCALE: SHEET 12 OF 12 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	102RS-5	PERRY	12	12
CONTRACT NO. 78A68				
ILLINOIS FED. AID PROJECT				