

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749/752	101-2-CJS-1	JERSEY	9	1
		ILLINOIS	CONTRACT NO. 76R45	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT

GRAFTON HILLS DR. TO OTTERVILLE RD.
2021 ADT = 1550 (ACTUAL)
2023 ADT = 1600 (ESTIMATED)
2043 ADT = 1800 (ESTIMATED)
SU = 5.2% MU = 3.9%

OTTERVILLE RD. TO SALEM RD.
2021 ADT = 1050 (ACTUAL)
2023 ADT = 1100 (ESTIMATED)
2043 ADT = 1250 (ESTIMATED)
SU = 4.8% MU = 1.8%

SALEM RD. TO NEWBERN RD.
2021 ADT = 1450 (ACTUAL)
2023 ADT = 1500 (ESTIMATED)
2043 ADT = 1700 (ESTIMATED)
SU = 6.2% MU = 2.8%

NEWBERN RD. TO IL 109
2021 ADT = 1750 (ACTUAL)
2023 ADT = 1800 (ESTIMATED)
2043 ADT = 2000 (ESTIMATED)
SU = 5.7% MU = 2.3%

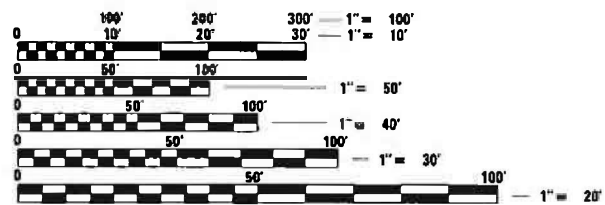
BEGIN PROJECT
STA. 103 + 65.00
LAT.: 38.98927
LONG.: -90.42079

END PROJECT
STA. 424 + 50.41
LAT.: 38.99957
LONG.: -90.31405

PROPOSED HIGHWAY PLANS

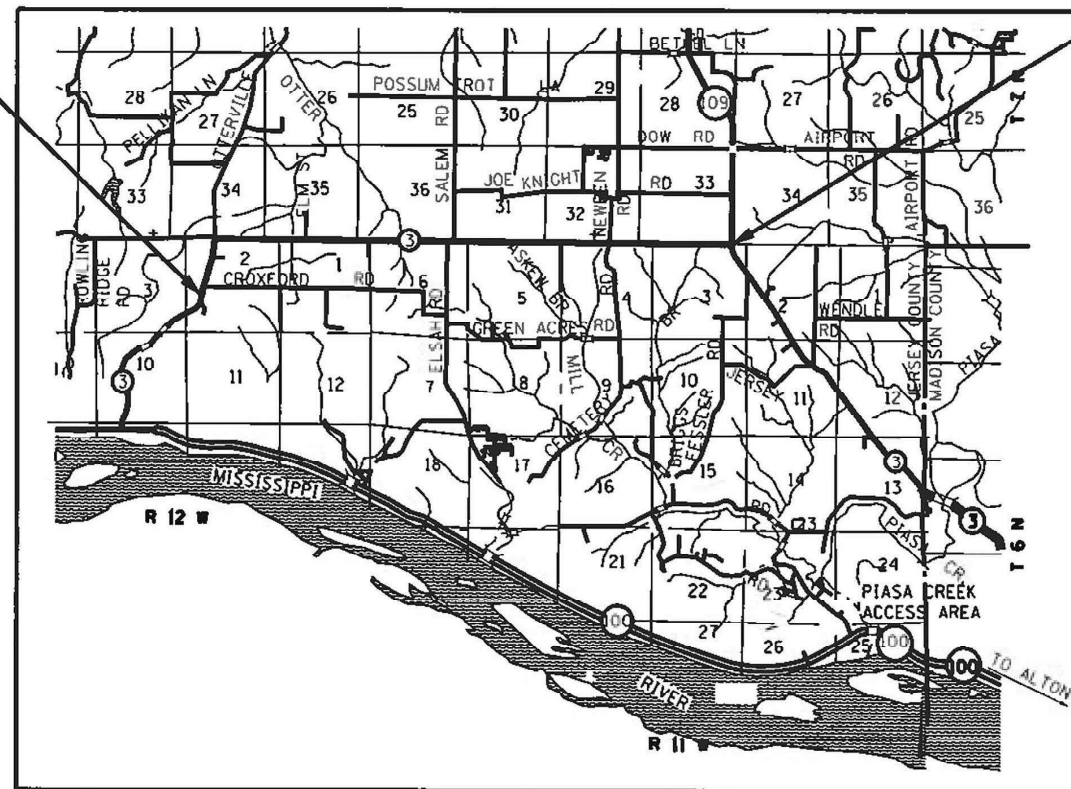
FAS ROUTE 749/752 (IL RTE 3)
SECTION 101-2-CJS-1
PROJECT STP-PULN(430)
CRACK AND JOINT SEALING
JERSEY COUNTY

C-98-085-22



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



LOCATION MAP



GROSS LENGTH = 32,085 FT. = 6.08 MI.
NET LENGTH = 32,085 FT. = 6.08 MI.

PROJECT ENGINEER: CHERYL KEPLAR
SQUAD CONTACT: TONI MANN
CONTRACT NO. 76R45



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 13 2022
Kil H B
REGIONAL ENGINEER

February 3, 2023
Scott A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

February 3, 2023
Stephen M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

80% FED
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				JERSEY	ROADWAY
				0005	RURAL
45100100	CRACK ROUTING (PAVEMENT)	FOOT	101775	101775	
45100200	CRACK FILLING	POUND	40710	40710	
67100100	MOBILIZATION	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	60	60	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	103211	103211	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	50	50	

* SPECIALTY ITEM

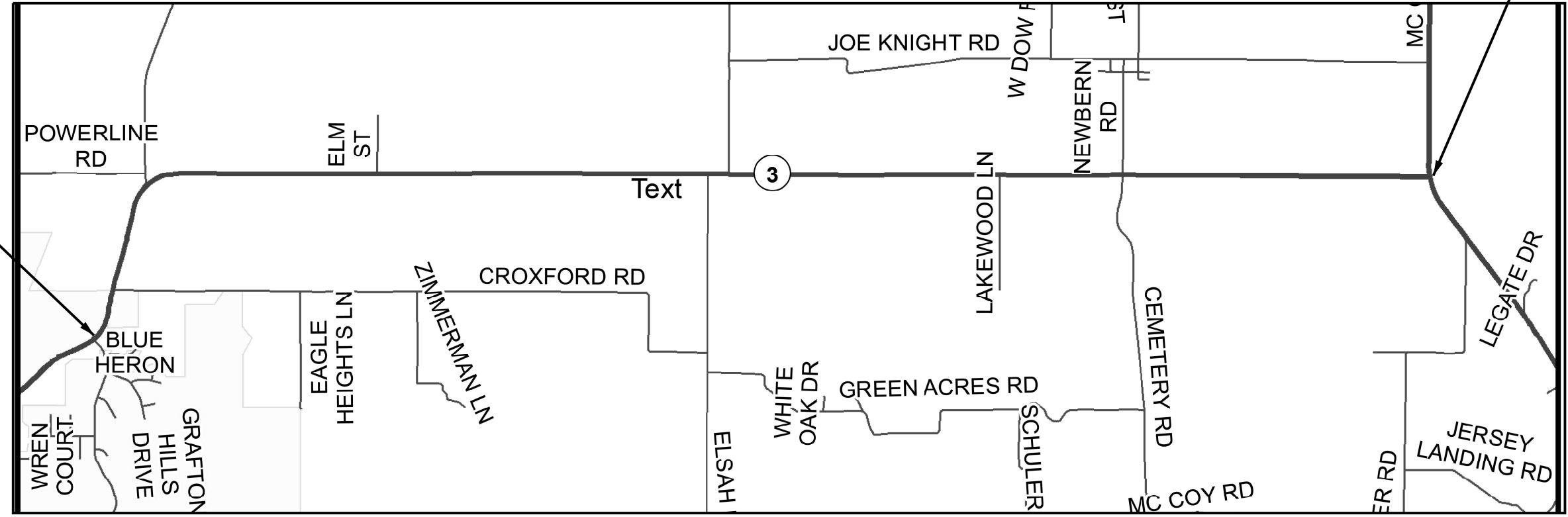
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USER NAME = Kevin.Lewis	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -						749/752	101-2-CIS-1	JERSEY	9	3
PLOT DATE = 12/14/2022	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 76R45	
	DATE -	REVISED -									ILLINOIS FED. AID PROJECT	



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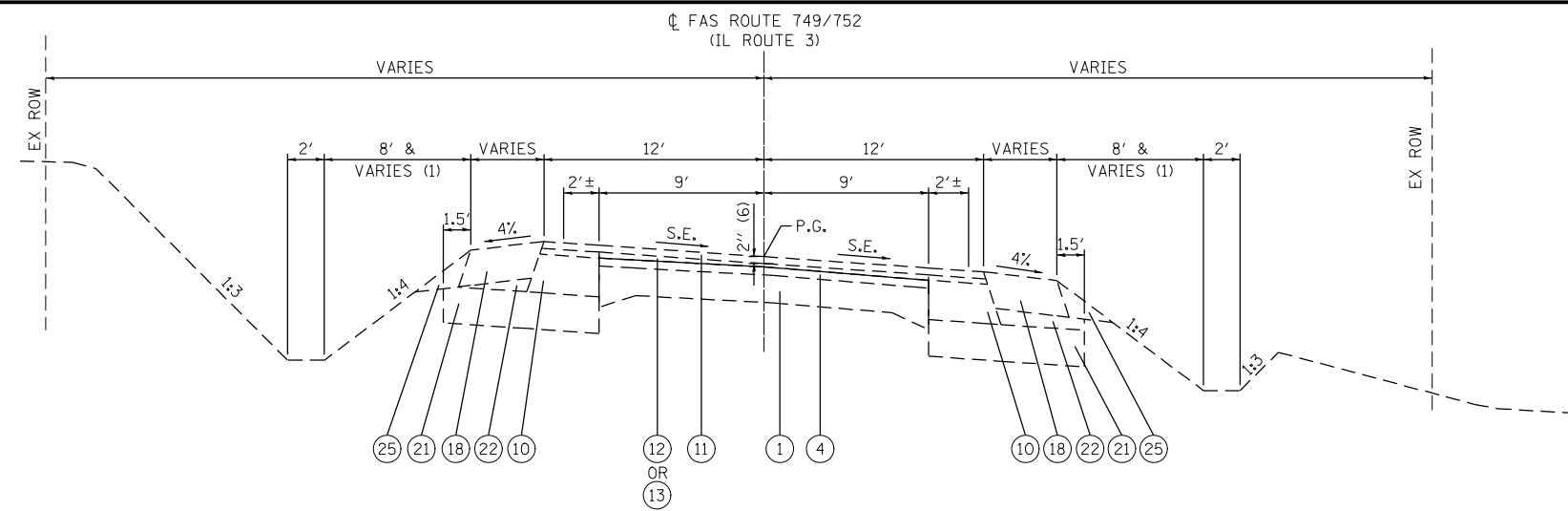
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PLOT DATE = 12/14/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

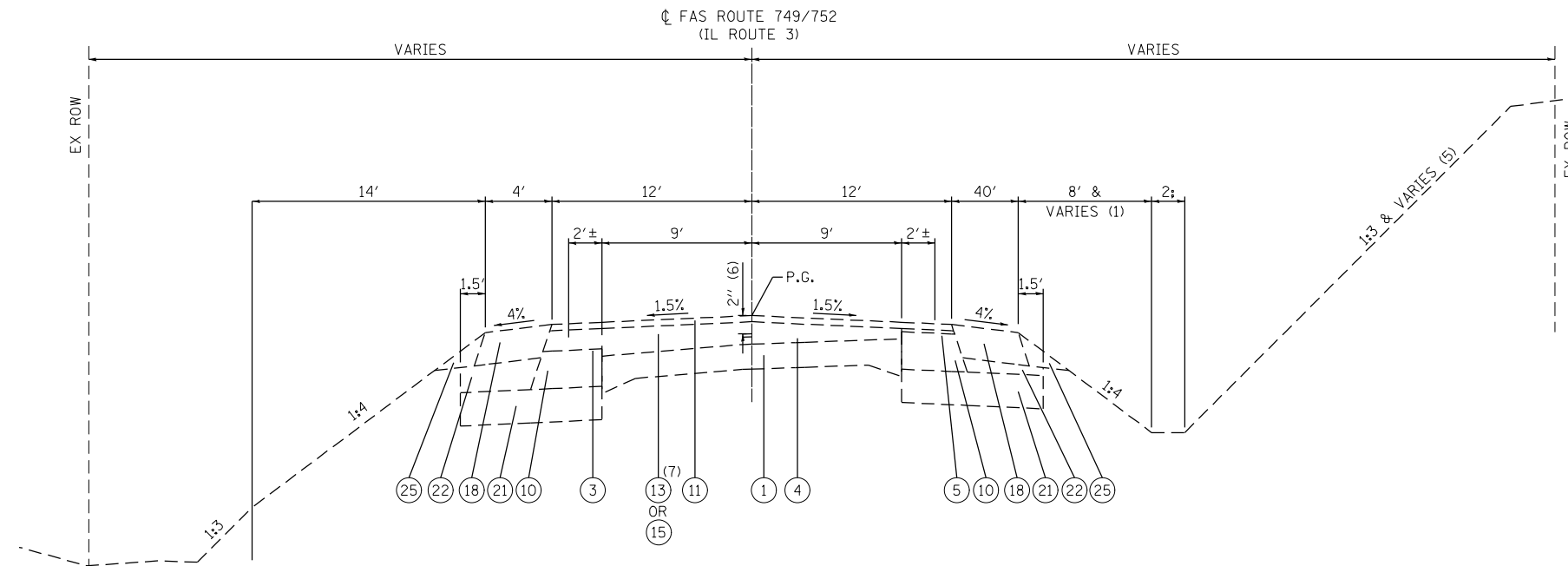
LOCATION MAP			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749/752	101-2-CIS-1	JERSEY	9	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76R45	



**TYPICAL SECTION
SUPERELEVATION**

STA 103+65.00 TO STA 110+82.06
 END 3' SHOULDER STA 106+74.08 LT AND BEGIN 4' SHOULDER
 END 3' SHOULDER STA 107+06.51 RT BEGIN 4' SHOULDER STA 107+63.52



**TYPICAL SECTION
NORMAL CROWN**

STA 110+82.06 TO STA 125+04.55

LEGEND

- ① EXISTING 9'-6"-9" PCC PAVEMENT
- ② EXISTING OIL AND CHIP PAVEMENT
- ④ EXISTING HOT-MIX ASPHALT OVERLAY
- ⑩ EXISTING HOT-MIX ASPHALT BASE COURSE WIDENING, 9"
- ⑪ EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1 1/2"
- ⑫ EXISTING LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70, 1"
- ⑬ EXISTING LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70, VARIABLE DEPTH
- ⑭ EXISTING HOT-MIX ASPHALT BINDER COURSE, 2 1/2"
- ⑮ EXISTING HOT-MIX ASPHALT BINDER COURSE, VARIABLE DEPTH
- ⑱ EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
- ⑲ EXISTING CONCRETE GUTTER, TYPE B
- ⑳ EXISTING SUBBASE GRANULAR MATERIAL, TYPE B
- ㉑ EXISTING SUBBASE GRANULAR MATERIAL, TYPE B 8"
- ㉒ EXISTING SUBBASE GRANULAR MATERIAL, TYPE C
- ㉓ EXISTING AGGREGATE SHOULDER, TYPE B, 4"
- ㉔ EXISTING AGGREGATE SHOULDER, TYPE B, 6"
- ㉕ EXISTING AGGREGATE WEDGE SHOULDER, TYPE B

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 PLOT DATE = 12/14/2022

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET OF SHEETS		STA. TO STA.	
		TYPICALS			

F.A.S. RTE. 749/752	SECTION 101-2-CIS-1	COUNTY JERSEY	TOTAL SHEETS 9	SHEET NO. 5
			CONTRACT NO. 76R45	
ILLINOIS FED. AID PROJECT				

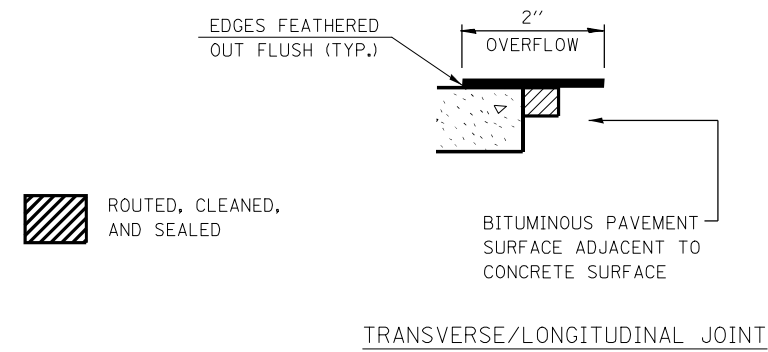
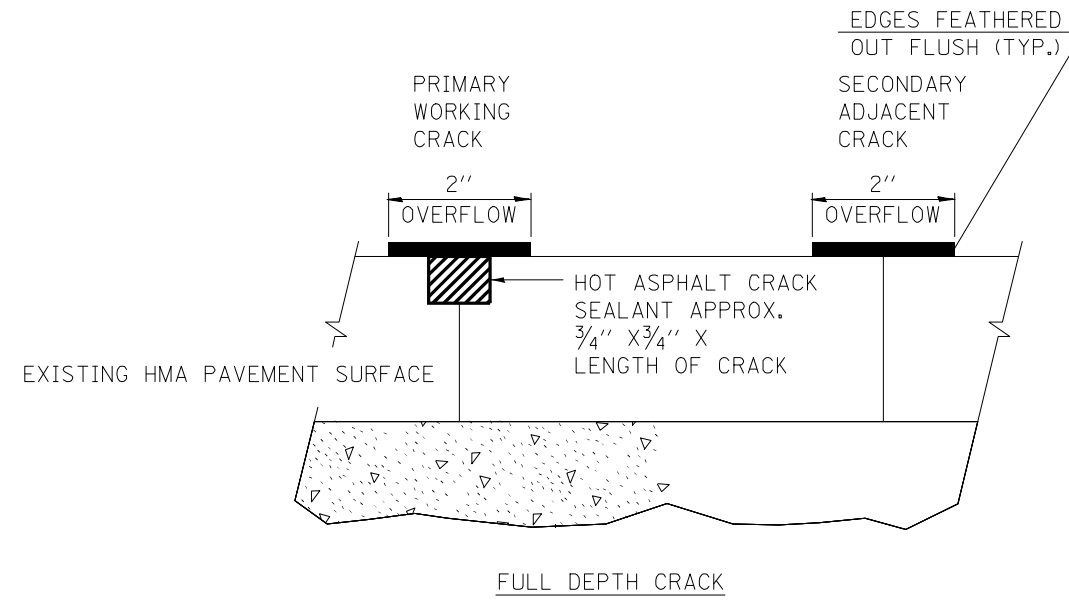
CRACK SEALING HMA PAVEMENT SCHEDULE					
LOCATION	LONGITUDINAL CRACKS CENTERLINE (FT)	LONGITUDINAL CRACKS EDGELINE (NB & SB) (FT)	TRANSVERSE CRACKS (FT)	CRACK ROUTING	CRACK FILLING
IL 3 FROM 0.1 MI N OF GRAFTON HILLS DR IN GRAFTON TO IL 109 STA. 103+65 TO STA. 424+50				FOOT	POUND
CENTERLINE	32085		4800	4800	1920
EDGELINE		64170		64170	25668
SUBTOTAL	32085	64170	4800	101055	40422
SUBTOTAL (15%)			720	720	288
TOTAL	32085	64170	5520	101775	40710

NOTE:
 BOTH EDGELINES AND CENTERLINES SHALL BE CRACK SEALED.
 A ESTIMATED 400 TRANSVERSE CRACKS AT 12' WIDE IS INCLUDED.
 EXACT LOCATION TO BE DETERMINED BY THE ENGINEER.

PAVEMENT MARKING SCHEDULE								
LOCATION				THERMOPLASTIC PAVEMENT MARKING				
				4 INCH LINE			24 INCH LINE	
STATION	TO	STATION	FOOT	SOLID WHITE FOOT	SKIP-DASH YELLOW FOOT	SOLID YELLOW FOOT	SOLID WHITE FOOT	
103+65.00	TO	114+50.00	1085	2170	141	1605		
114+50.00	TO	129+50.00	1500	3000	375	922		
129+50.00	TO	142+50.00	1300	2600	143	2030		
142+50.00	TO	157+50.00	1500	3000	375	785		
157+50.00	TO	172+00.00	1450	2900	325	1320		
172+00.00	TO	187+00.00	1500	3000	215	2140		
187+00.00	TO	202+00.00	1500	3000	200	2200		
202+00.00	TO	217+00.00	1500	3000	375	845		
217+00.00	TO	232+00.00	1500	3000	375	1390		
232+00.00	TO	247+00.00	1500	3000	375	310		
247+00.00	TO	262+00.00	1500	3000	375	0		
262+00.00	TO	277+00.00	1500	3000	375	0		
277+00.00	TO	292+00.00	1500	3000	375	910		
292+00.00	TO	307+00.00	1500	3000	53	2790		
307+00.00	TO	322+00.00	1500	3000	0	3000		
322+00.00	TO	337+00.00	1500	3000	138	2450		
337+00.00	TO	352+00.00	1500	3000	375	420		
352+00.00	TO	367+00.00	1500	3000	288	1796		
367+00.00	TO	382+00.00	1500	3000	0	3000		
382+00.00	TO	397+00.00	1500	3000	0	3000		
397+00.00	TO	412+00.00	1500	3000	366	1457		
412+00.00	TO	424+51.50	1252	2579	313	1037	50	
SUB-TOTAL					64249	5555	33407	50
TOTAL						103211		50

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PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	749/752	101-2-CIS-1	JERSEY	9	8
PLOT DATE = 12/14/2022	CHECKED -	REVISED -									CONTRACT NO. 76R45			
	DATE -	REVISED -									ILLINOIS FED. AID PROJECT			



CRACK & JOINT SEALING DETAILS

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PLOT DATE = 12/14/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRACK & JOINT SEALING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
749/752	101-2-CIS-1	JERSEY	9	9
			CONTRACT NO. 76R45	
		ILLINOIS	FED. AID PROJECT	