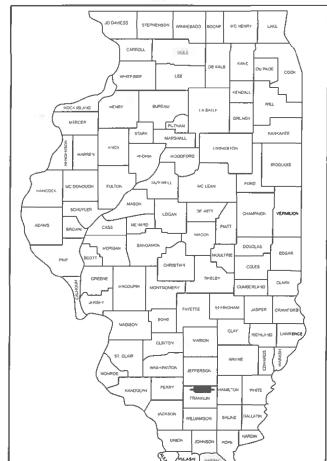
01-16-2026 LETTING ITEM 145

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

D-99-089-25



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUBMITTED Sept 24 20 25

LOCATION OF SECTION INDICATED THUS: - -

Rora S. Rengina ENGINEER

December 5 25

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FOR INDEX OF SHEETS, SEE SHEET NO. 3

TRAFFIC DATA

IL 154 SN 028-0050 & SN 028-0051

2026 ADT: 2730 2046 ADT: 3330

TOWNSHIPS BARREN

100' 200' 300' 1"= 100'
10' 20' 30' 1"= 10'
50' 100' 1"= 50'
50' 100' 1"= 30'
50' 100' 1"= 40'

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.

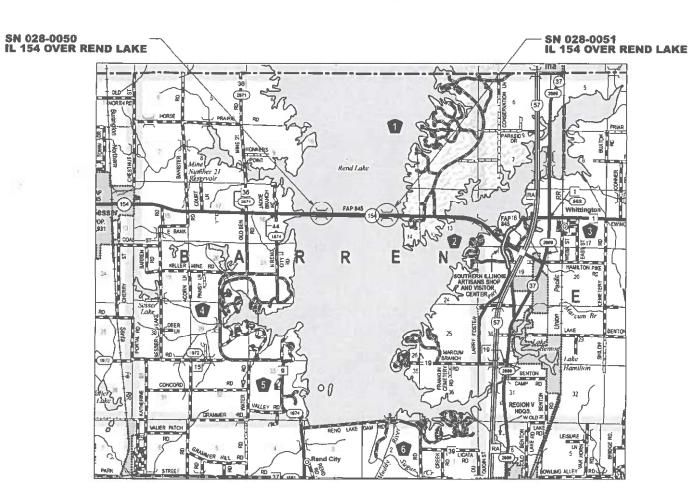
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: NISHAN LAMA PROJECT MANAGER: EHREN KIRBY

PROPOSED HIGHWAY PLANS

FAP ROUTE 845 (IL 154)
SECTION D9 Bridge Overlay 2026-10
CONTRACT MAINTENANCE
BRIDGE DECK OVERLAY
FRANKLIN COUNTY

C-99-122-25



SN 028-0050 STRUCTURE LENGTH = 211.75 FT. SN 028-0051 STRUCTURE LENGTH = 496.84 FT. TOTAL PROJECT LENGTH = 968.75 FT.

CONTRACT NO. 78B78

0

0

Prepared By:

Examined By:

Examined By:

DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By:

DISTRICT OPERATIONS ENGINEER

Examined By:

DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Best Construction Engineer

Examined By: A an Park

JSER NAME • nishan,lama DRAWN -REVISED -CHECKED -REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET OF 2 SHEETS STA. CONTRACT NO. 78B78

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, GENERAL NOTES, STANDARDS, MIX
4-5	SUMMARY OF QUANTITIES
6	PAVEMENT MARKING SCHEDULE
7	GENERAL PLAN AND ELEVATION SN 028-0050
8	SUGGESTED STAGING SEQUENCE SN 028-0050
9	JOINT REPAIR DETAILS AND DRAIN DETAIL SN 028-0050
10	GENERAL PLAN AND ELEVATION SN 028-0051
11	SUGGESTED STAGING SEQUENCE SN 028-0051
12	JOINT REPAIR DETAILS AND DRAIN DETAIL SN 028-0051
13	ROUGH GROOVED SURFACE SIGN, UNEVEN LANES SIGN, BUTT JOINT DETAIL

GENERAL NOTES

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HÖT MIX ASPHALT

2.016 TONS/CU. YD.

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

COMMITMENTS: NONE

HIGHWAY STANDARDS

000001-09 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

001006 DECIMAL OF AN INCH AND OF A FOOT

701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS 45 MPH OR MORE

701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY

701901-11 TRAFFIC CONTROL DEVICES

780001-05 TYPICAL PAVEMENT MARKINGS

HMA MIXTURE REQUIREMENTS

Locations	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix D, N70
AB/PG:	PG64-22
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture Composition:	IL-9.5mm
(Gradation Mixture)	
Friction Aggregate:	Mix D
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA
Sublot Size:	3000
Material Transfer Device (Required?)	NO NO

REV - MS

USER NAME = ni shan.l ama	DESIGNED -	REVISED -		INDEX OF SHEETS, STANDARDS, GENERAL NOTES			F.A.P	SECTION	COUNTY	TOTAL	SHEET			
	DRAWN -	REVISED -	STATE OF ILLINOIS		•		MIXTURE REQUIREMENTS 845 D9 Bri dgeOverl ay2026-10			Franklin	13	3		
	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	MIXIURE REQUIREMENTS				CONTRACT	T NO. 78F	378				
PLOT DATE = 7/9/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED. AIL	PROJECT		

SUMMARY OF QUANTITIES

COUNTY:	FRANKLINCO	
ROUTE:	FAP 845	
FUNDING:	100% STATE	
LOCATION:	RURAL	

		- The second sec	LOCATION.	KUKA	
CODE	ITEM DESCRIPTION	UNIT	TOTAL	SN 028-0050	SN 028-0051
NUMBER	TEM DESCRIPTION	OMI	QUANTITY	0047	0047
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,637	582	1,055
40000230	ENGINOUS PATERIALS (FACK COAT)	POUND	1,037	302	1,035
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	5Q YD	588	294	294
40600990	TEMPORARY RAMP	SQ YD	98	49	49
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	380	133	247
67100100	MOBILIZATION	L SUM	1.0	0.5	0.5
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	0.5	0.5
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	14	14
70300100	SHORT TERM PAVEMENT MARKING	FOOT	89	31	58
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	31	11	20
					(6.00
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	2,818	747	2,071
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2,818	747	2,071
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	8	3	5
783002 <mark>0</mark> 1	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	705	187	518

DEPARTMENT OF TRANSPORTATION

* SPECIALTY ITEM

CHECKED -

DATE -

REVISED -

REVISED -

USER NAME = david.a.wilson

PLOT DATE = 9/18/2025

REV - MS
 COUNTY
 TOTAL SHEETS NO.

 Franklin
 13
 4

 CONTRACT NO. 78B78
 DESIGNED -REVISED -SUMMARY OF QUANTITIES STATE OF ILLINOIS DRAWN _ REVISED -

SHEET 1 OF 2 SHEETS STA.

TO STA.

SUMMARY OF QUANTITIES - CONT

ī	TO T.	ALI AAA AARA	******				
	LOCATION:	RURAL					
	FUNDING:	100%	100% STATE				
	ROUTE:	FAP	845				
	COUNTY:	FRANK	LINCO				

CODE	ITEM DESCRIPTION	UNIT	TOTAL	SN 028-0050	SN 028-0051	
NUMBER	TIEM DESCRIPTION	ONIT	QUANTITY	0047	0047	
Z0012102	CONCRETE BRIDGE DECK SCARIFICATION 3/8 INCH	SQ YD	2,363	706	1,657	
Z0021906	SILICONE JOINT SEALER, 1.5"	FOOT	31.5	31.5	0.0	
Z0021912	SILICONE JOINT SEALER, 2.5"	FOOT	31.5	31.5	0.0	
Z0021920	SILICONE JOINT SEALER (SPECIAL)	FOOT	69.0	0.0	69.0	
Z0041895	POLYMER CONCRETE	CU FT	20.7	9.5	11.2	

L: Summary of Quantities-1-1 [Sheet]

USER NAME = david.a.wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

ļ	SUMMARY OF QUANTITIES					F.A.P SECTION COUNTY				SHEET NO.
					845	D9 Bridge Overlay 20	26-10	Franklin	13	5
CONTRACT								NO. 78E	378	
FFT 2	OF 2	SHEETS	STA	TO STA		ILLINOR	e EED AL	D DDO JECT		

PAVEMENT MARKING SCHEDULE

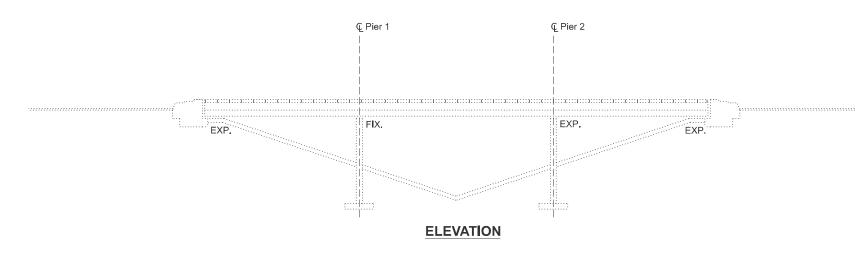
				SHORT TERM	SHORT TERM		PAVEMENT MARKING -	LINE 4"	TEMPORARY PA	AVEMENT MARKING -	LINE 4" - PAINT	
STATION		NOTES	PAVEMENT MARKING	PAVEMENT MARKING REMOVAL	SOLID WHITE	YELLOW SKIP DASH	SOLID YELLOW	SOLID WHITE	YELLOW SKIP DASH	SOLID YELLOW		
				FOOT	SQ FT		FOOT		FOOT			
FRANKLIN CO	OUNTY S	N 028-0050										
213 + 74	TO	217 + 06	LT			332			332			
213 + 74	TO	217 + 06	CENTERLINE	62	22		83			83		
213 + 74	TO	217 + 06	RT			332			332			
77		TOTAL		62	22		747	,		747		
FRANKLIN CO	OUNTY S	N 028-0051										
273 + 91	TO	280+29	LT			637			637			
273 + 91	TO	280+29	CENTERLINE	116	40		160	637		160	637	
273 + 91	ТО	280+29	RT			637			637			
	**	TOTAL		116	40		2071			2071		
, 	GR	AND TOTAL	_	178	62		2818			2818	_	

MODEL: Pavement Marking Schedule [Sheet] FII F NAME: chaw wordhouidethuileandad4127882/BD378B28-ShtE-Schedul

USER NAME = david.a.wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 9/18/2025	DATE -	REVISED -	

PAVEMENT MARKING SCHEDULE						F.A.P RTE				SHEET NO.	
		845	D9 Bridge Overlay 2026-10	Franklin	13	6					
							CONTRACT	NO. 78	378		
IEET 1	OF	1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT					



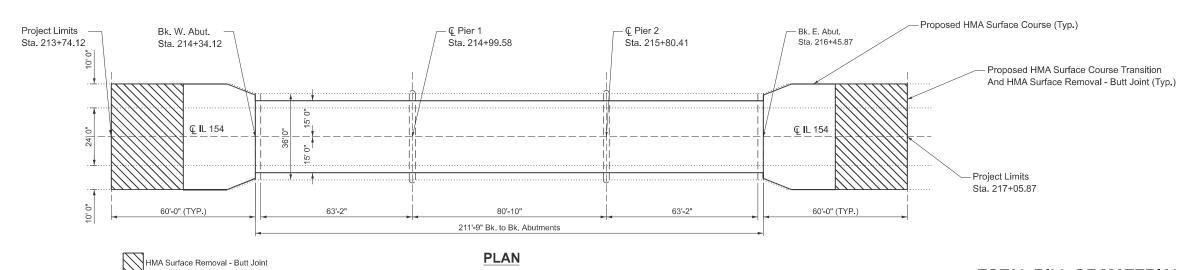


GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

After Bridge Deck Scarification, the Contractor shall thoroughly clean and sweep the bridge deck. Any existing loose concrete and COLD MIX shall be properly removed and disposed of from the bridge deck. This work shall be included in the cost Concrete Bridge Deck Scarification, 3/8".

Joint openings shall be adjusted according to Article 520.04 of Standard Specification when the deck is poured at an ambient temperatre other than 50°F.



SCOPE OF WORK

Concrete Bridge Deck Scarification 3/8"
Place 2" of new HMA Overlay
Remove Existing Silicone Joint
Replace with Silicone Joint Sealer, 1 1/2"
and Polymer Concrete on W. Abut.
Replace with Silicone Joint Sealer, 2 1/2"
and Polymer Concrete on E. Abut.



EXPIRES 11-30-2026

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
BITUMINOUS MATERIALS (TACK COAT)	POUND	582
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	133
CONCRETE BRIDGE DECK SCARIFICATION 3/8 INCH	SQ YD	706
SILICONE JOINT SEALER, 1.5"	FOOT	31.5
SILICONE JOINT SEALER, 2.5"	FOOT	31.5
POLYMER CONCRETE	CU FT	9.5
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	294

BRIDGE OVERLAY

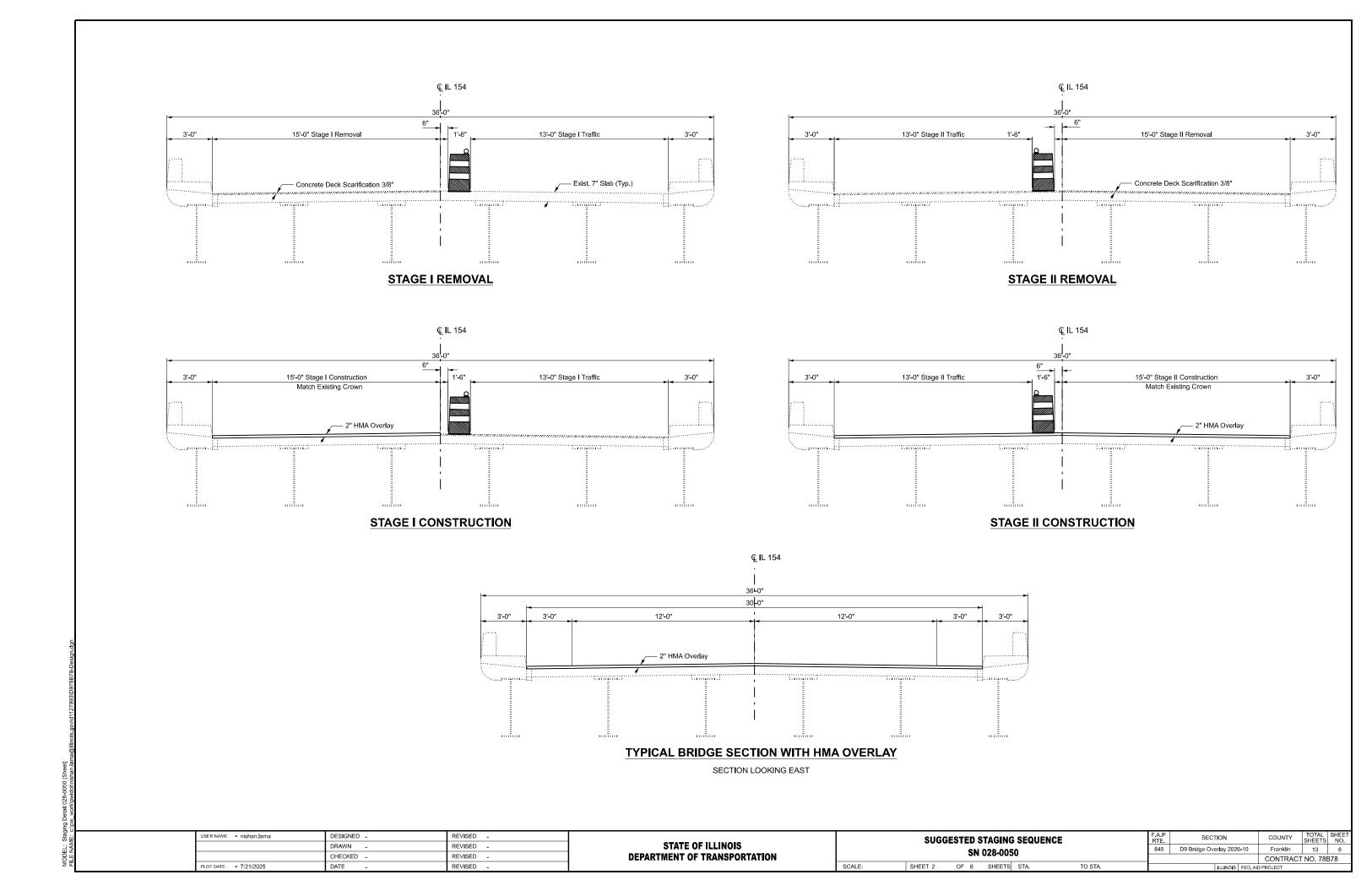
IL 154 OVER REND LAKE

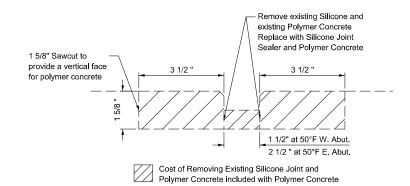
FAP 845 D9 BRIDGE OVERLAY 2026-10

FRANKLIN COUNTY

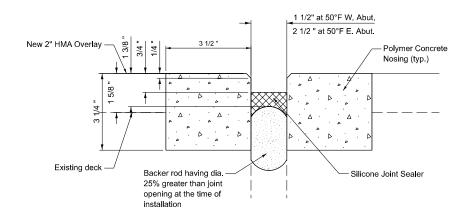
SN 028-0050

	DRAWN -	REVISED -	STATE OF ILLINOIS		GENI		AN AND ELEVATI	ON	RTE. 845	SECTION D9 Bridge Overlay 2026-10	COUNTY	SHEETS	NO. 7
	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			SN	028-0050			Do Briogo o rona, Ecco ro	CONTRAC	T NO. 78	BB78
PLOT DATE = 11/4/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 6	SHEETS STA.	TO STA.		ILLINOIS FED. AI	D PROJECT		

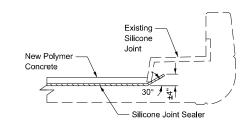




EXISTING SILICONE JOINT DETAIL



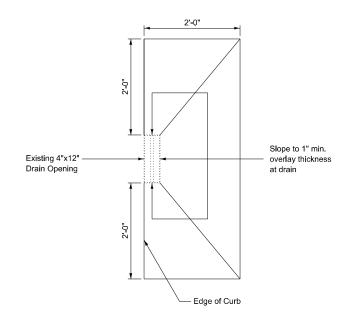
SILICONE JOINT SEALER DETAIL



END OF SEAL TREATMENT AT EXPANSION JOINT

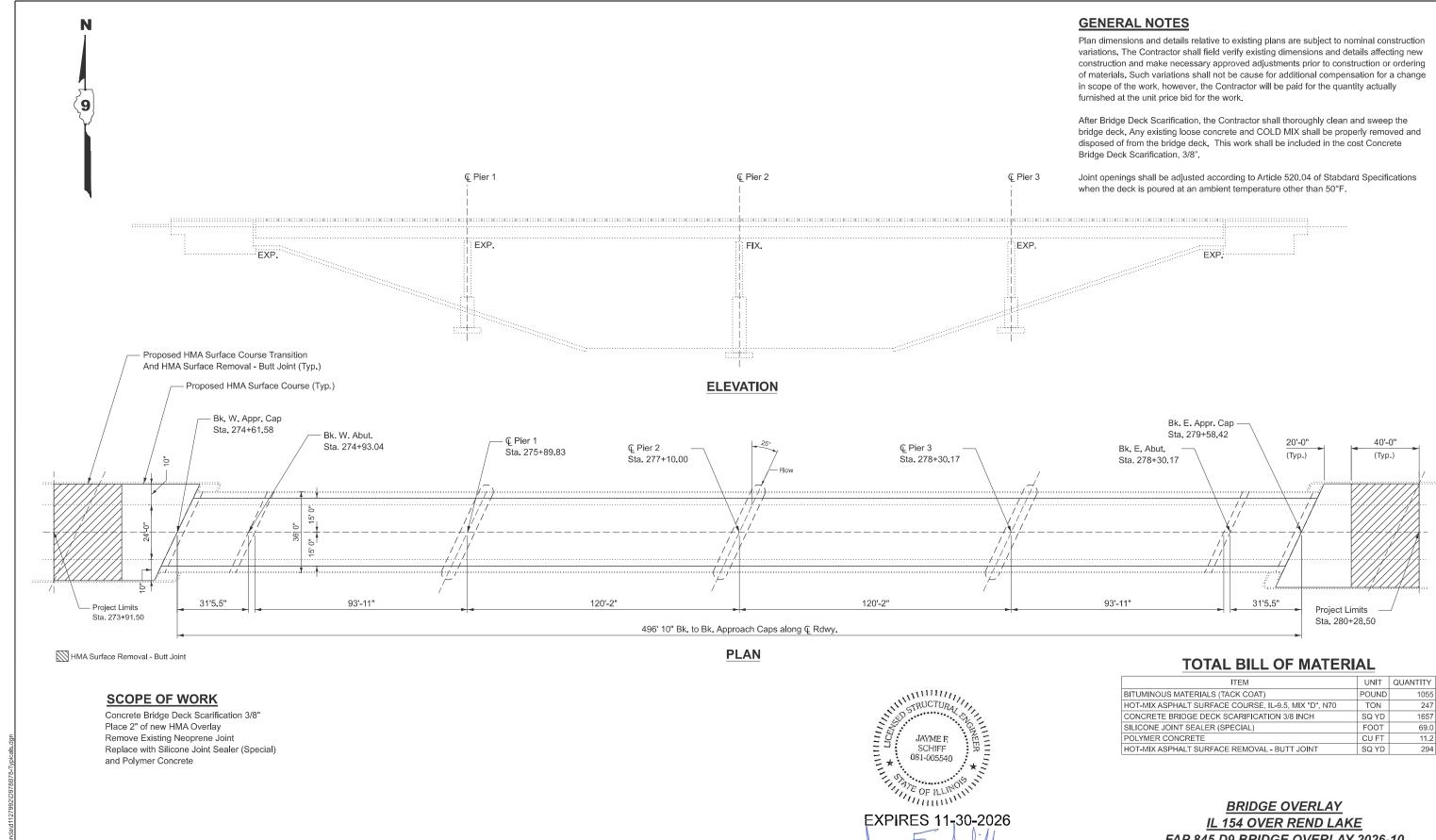
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
SILICONE JOINT SEALER, 1.5"	FOOT	31.
SILICONE JOINT SEALER, 2.5"	FOOT	31.5
POLYMER CONCRETE	CU FT	9.5



DRAIN DETAIL

USER NAME = david.a.wilson	DESIGNED -	REVISED -			JOINT REPAIR DETAILS A	ND DRAIN DETAIL	F.A.P RTF	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS				845	D9 Bridge Overlay 2026-10	Franklin	13	9
	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		028-0050			0 /	CONTRAC	T NO. 78	378
PLOT DATE = 9/18/2025	DATE -	REVISED -		SCALE:	SHEET 3 OF 6 SHEETS	STA. TO STA.		ILLINOIS FED. AID	PROJECT		



JSER NAME = david.a.wilson DESIGNED -REVISED DRAWN REVISED CHECKED REVISED PLOT DATE = 11/4/2025 DATE REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE:

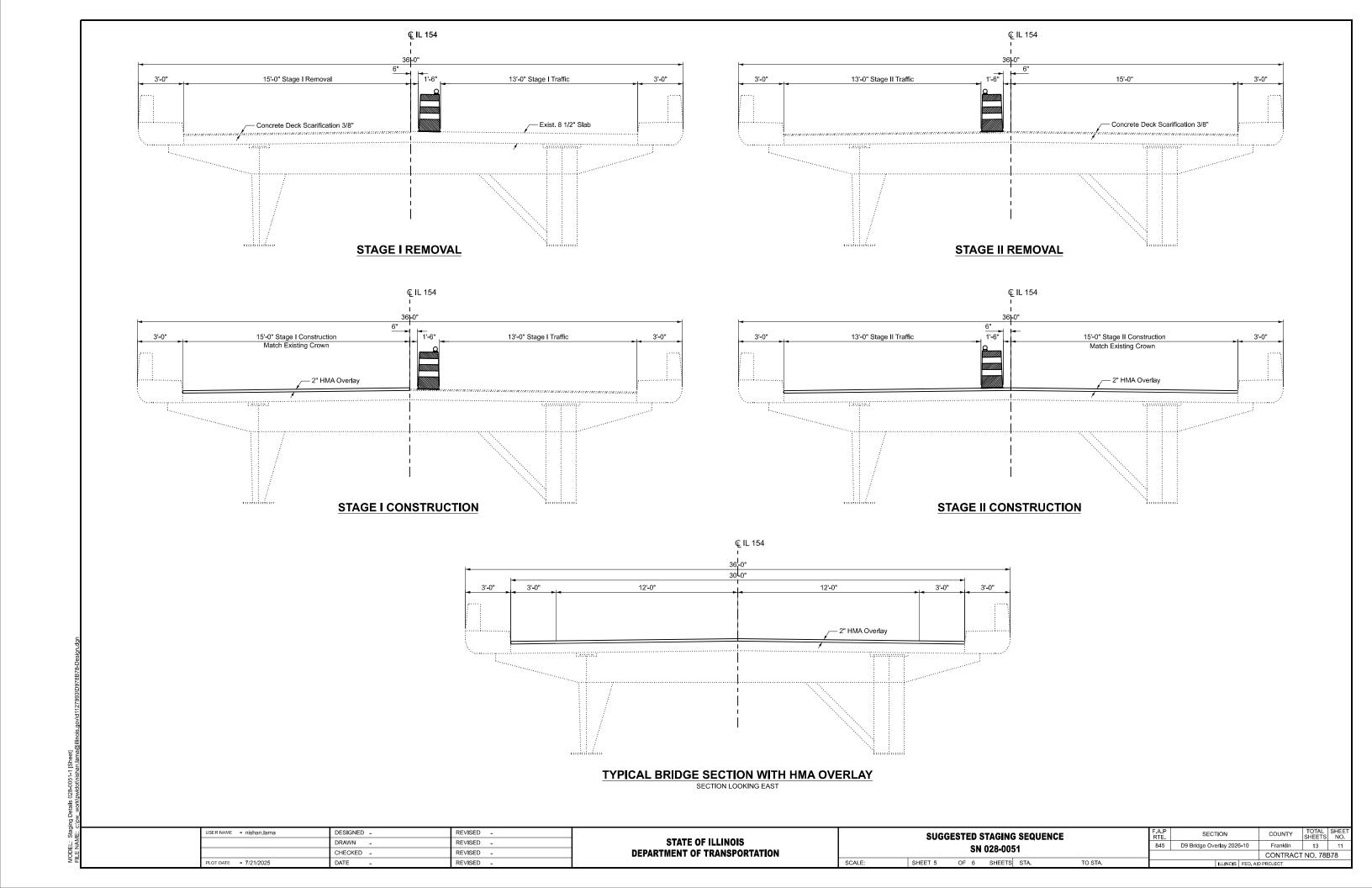
GENER Franklin SN 028-0051 CONTRACT NO. 78B78 SHEET 4 OF 6 SHEETS STA. TO STA.

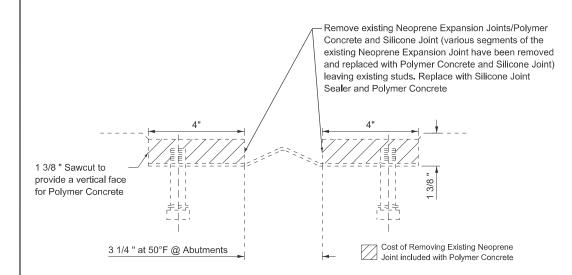
BRIDGE OVERLAY
IL 154 OVER REND LAKE
FAP 845 D9 BRIDGE OVERLAY 2026-10
FRANKLIN COUNTY

SN 028-0051

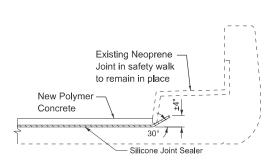
13

RAL PLAN AND ELEVATION	F.A.P RTE.	SECTION	СО
	0.45	D0 D-1-1 01 0000 40	Е-





* 3 1/4 " at 50°F @ Abutments Polymer Concrete Nosing New 2" HMA Overlay Existing deck Silicone Joint Sealer Silicone Joint Sealer

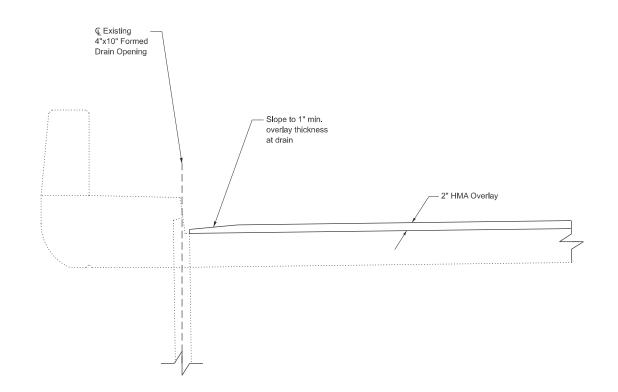


END OF SEAL TREATMENT AT EXPANSION JOINT

EXISTING NEOPRENE JOINT DETAIL

SILICONE JOINT SEALER DETAIL

* Silicone Joint Sealer, 3 1/4" shall be paid for as Silicone Joint Sealer (Special)



BILL OF MATERIAL

ITEM	UNIT	QUANTITY
SILICONE JOINT SEALER (SPECIAL)	FOOT	69.0
POLYMER CONCRETE	CU FT	11.2

DRAIN DETAIL

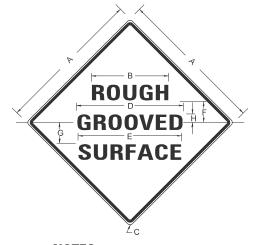
USER NAME = david.a.wilson	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 11/4/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

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ILLINOIS STANDARD ROUGH GROOVED SURFACE SIGN



COLORS

LEGEND AND BORDER-BACKGROUND-

	SIGN	DIMENSIONS									
ı	SIZE	Α	В	С	D	Е	F	G	Н		
	48X48	48.0	24.1	3,0	34.0	33.0	6.0	13.0	3.5		

1		5	SERIES	3				
ı	SIGN	LINES			MAR-		BLANK	
ı	SIZE	1	2	3	GIN	DER	STD.	
	48X48	7C	7C	7C	0.8	1.2	B4-48D	

ALL DIMENSIONS IN INCHES

NOTES

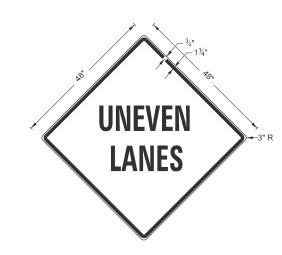
PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED 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
STD. 9-23 REVISED 05-27-22

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



SCALE:

COLORS:

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

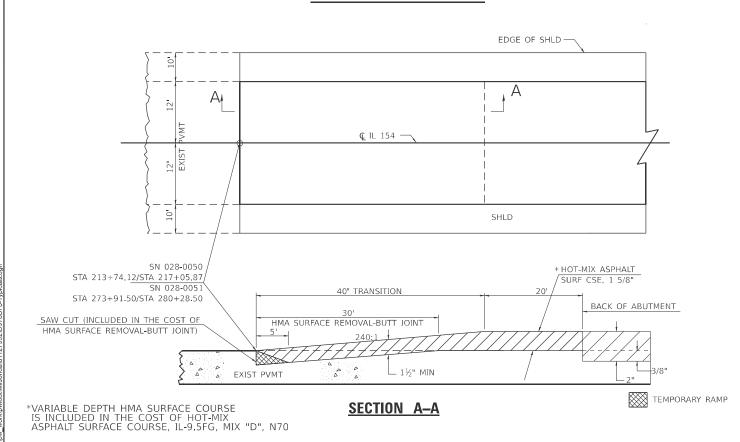
NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR 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
STD. 9-24 REVISED 05-27-22

BUTT JOINT DETAILS



 USER NAME
 = david.a.wilson
 DESIGNED
 REVISED

 DRAWN
 REVISED

 CHECKED
 REVISED

 PLOT DATE
 = 11/4/2025
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUGH GROOVED SURFACE SIGN, UNEVEN LANES SIGN
BUTT JOINT DETAILS

SHEET 1 OF 1 SHEETS STA. TO STA.

FA.P RTE. SECTION COUNTY TOTAL SHEET NO.

845 D9 Bridge Overlay 2026-10 Franklin 13 13

CONTRACT NO. 78B78