

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	D9 Resurface 2026-2	Johnson	13	1
SBI 1A		ILLINOIS	CONTRACT NO. 78C09	

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5

TOWNSHIPS
BLOOMFIELD
T. 12S-R. 3E

PROPOSED
HIGHWAY PLANS

SBI 1A (OLD US-45)
SECTION D9 Resurface 2026-2

RESURFACING 3P
JOHNSON COUNTY

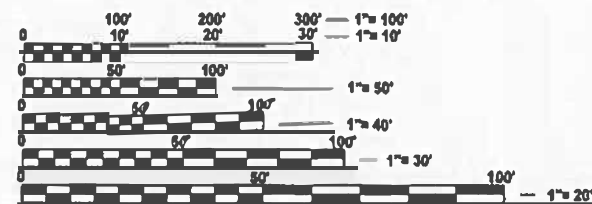
C-99-055-26

COORDINATE SYSTEM : EPSG: 102671
NAD 1983 STATE PLANE ILLINOIS EAST FIPS 1201 FEET

STATION EQUATION
STA 1656+69.59 BK = STA 5+45.20 AH

IMPROVEMENT ENDS
STA 9+74.89

IMPROVEMENT BEGINS
STA 1636+41.22

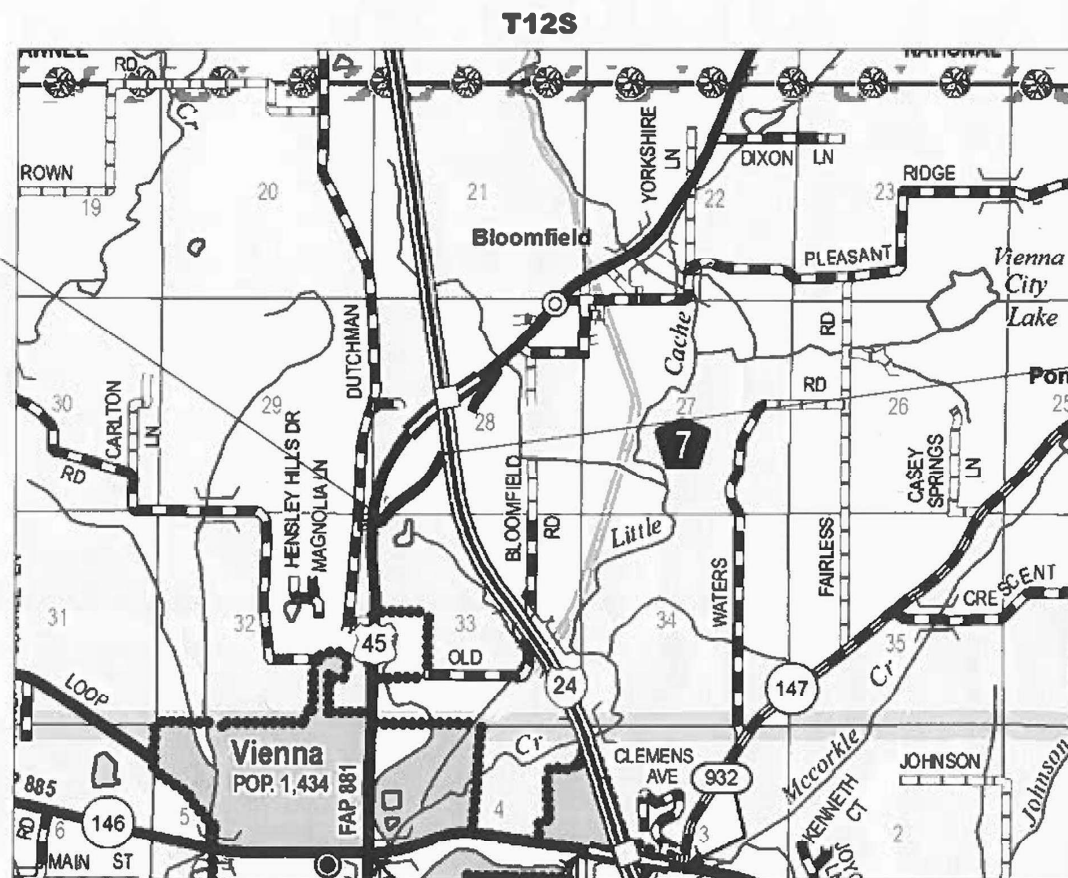


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

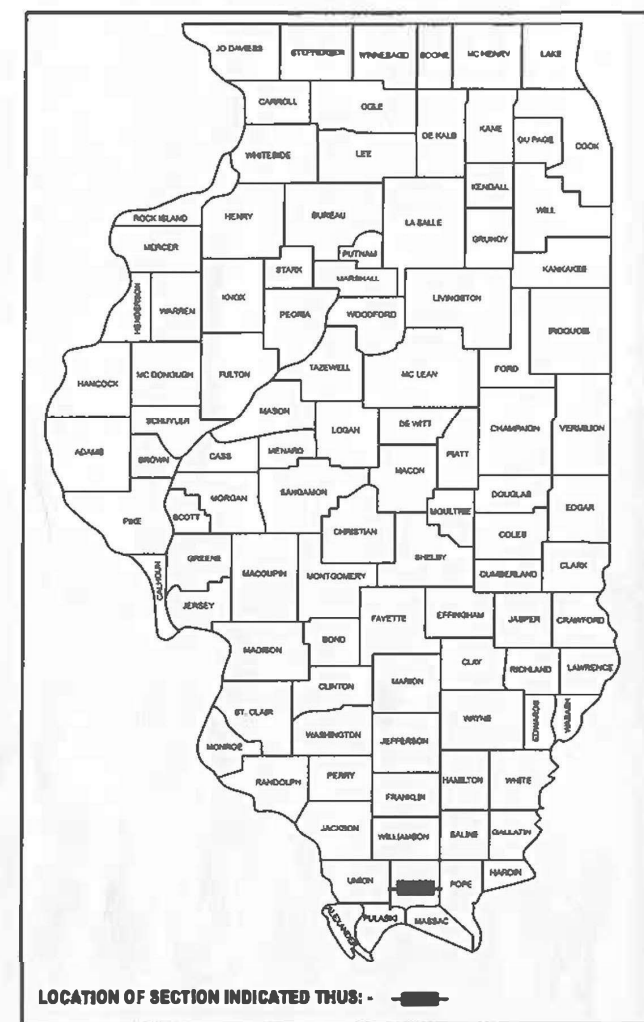
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER NATHAN TAYLOR
PROJECT MANAGER MATTHEW WILSON

CONTRACT NO. 78C09



GROSS LENGTH = 2481.6 FT. = 0.47 MILE
NET LENGTH = 2481.6 FT. = 0.47 MILE



LOCATION OF SECTION INDICATED THUS: - [shaded box] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 23 20 26
Don S. Renning
REGIONAL ENGINEER

March 20 20 26
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 20 20 26
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MODEL: 2_Signature [Sheet]
FILE NAME: c:\pwworkspace\matthew_wilson\project\1800850978C09-Cover-Sig.dgn

Prepared By: Susan Fox
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Lee
DISTRICT LAND ACQUISITION ENGINEER

Examined By: CM
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: 2000
DISTRICT OPERATIONS ENGINEER

Examined By: _____
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Ben Witts
DISTRICT CONSTRUCTION ENGINEER

Examined By: Ann Day
DISTRICT MATERIALS ENGINEER

REV - MS

USER NAME	Matthew.Wilson	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	1/7/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

SCALE SHEET 2 OF 14 SHEETS STA. TO STA.

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D9 Resurface 2026-2	Johnson	13	2
CONTRACT NO. 78C09				

ILLINOIS FED. AID PROJECT

HMA MIXTURE REQUIREMENTS TABLES

The following HMA mixture requirements are applicable for this project	
Locations	Hot-Mix Asphalt Surface Course, Incidental Hot-Mix Asphalt
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N50
PG:	PG64-22
Design Air Voids:	4.0 %, 50 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm
Friction Aggregate:	Mix C
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QC/QA
Sublot Size:	3000 tons
Material Transfer Device (Required?)	No
Locations	Hot-Mix Asphalt Binder Course
Mixture Use(s):	Hot-Mix Asphalt Binder Course, IL-9.5FG, N50
PG:	PG64-22
Design Air Voids:	4.0 %, 50 Gyration Design
Mixture Composition:	IL-9.5 mm Fine Graded
(Gradation Mixture)	
Friction Aggregate:	None
Mixture Weight:	112 lbs/sq yd/in
Quality Management Program:	QC/QA
Sublot Size:	3000 tons
Material Transfer Device (Required?)	No

MODEL: Mixture Requirements (Sheet)
 FILE NAME: c:\p\work\p\wilson\matthew.wilson@illinois.gov\d1180085D578C09-Mixture Requirements.dgn

USER NAME = Matthew.Wilson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MIXTURE REQUIREMENTS			F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -		SCALE:	SHEET 4	OF 13	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT
	CHECKED -	REVISED -		CONTRACT NO. 78C09							
PLOT DATE = 1/21/2026	DATE -	REVISED -									

SUMMARY OF QUANTITIES

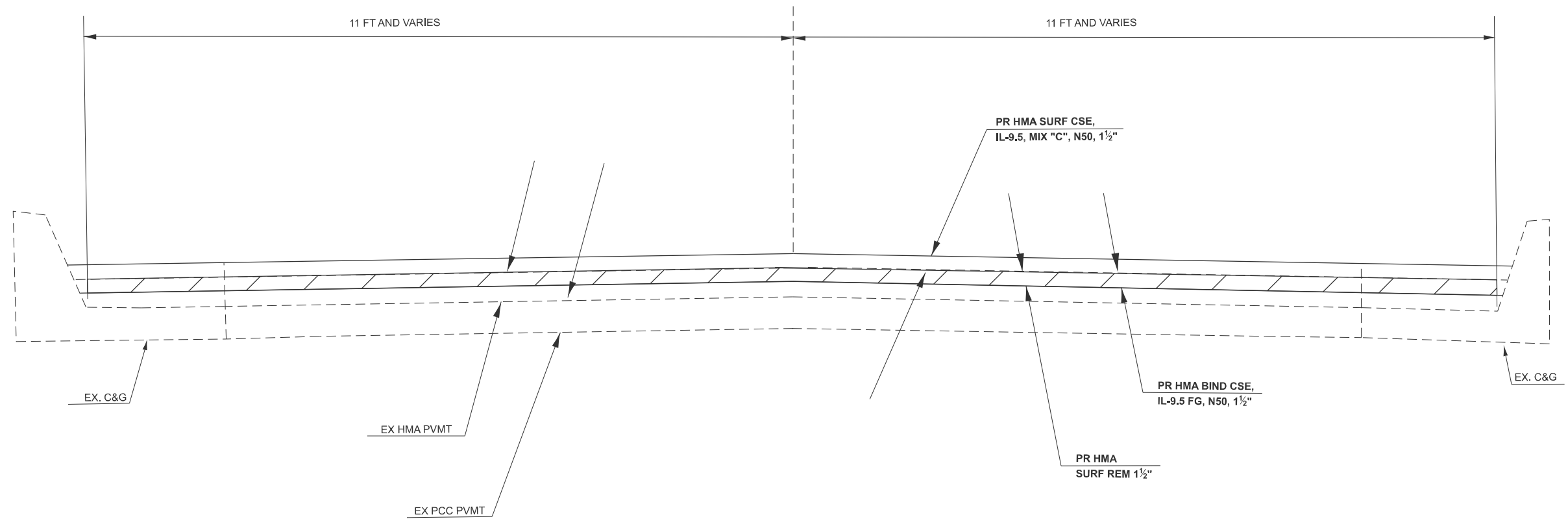
SUMMARY OF QUANTITIES			COUNTY:	JOHNSON
			ROUTE:	Old US 45 (SBI 1A)
			FUNDING:	100% STATE
			LOCATION:	RURAL
CODE NUMBER		UNIT	TOTAL QUANTITY	ROADWAY 0005
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3862	3862
40600990	TEMPORARY RAMP	SQ YD	70	70
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	481	481
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	477	477
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	5	5
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	5680	5680
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	49	49
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1

MODEL: S001 (Sheet)
 FILE NAME: c:\p\work\pww\matthew.wilson@illinois.gov\d1180085\078C09-S00.dgn

USER NAME = Matthew.Wilson DESIGNED - DRAWN - CHECKED - DATE = 1/21/2026	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE. *	SECTION D9 Resurface 2026-2	COUNTY Johnson	TOTAL SHEETS 13	SHEET NO. 5	
			SCALE:	SHEET 5 OF 13 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT SBI 1A	

CONTRACT NO. 78C09

**OLD US 45
SBI 1A**



TO BE USED:

STA 1636+41.22 TO STA 1642+67.74
STA 1647+93.59 TO STA 1656+65.71

NOTE: HMA SURFACE REMOVAL SHALL EXTEND TO THE FACE OF THE EXISTING CURB AND GUTTER

MODEL: Typical Section 1 (Sheet)
FILE NAME: c:\p\work\wilson\matthew.wilson@illinois.gov\d1160085\d078C09-Typicals.dgn

USER NAME = Matthew.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

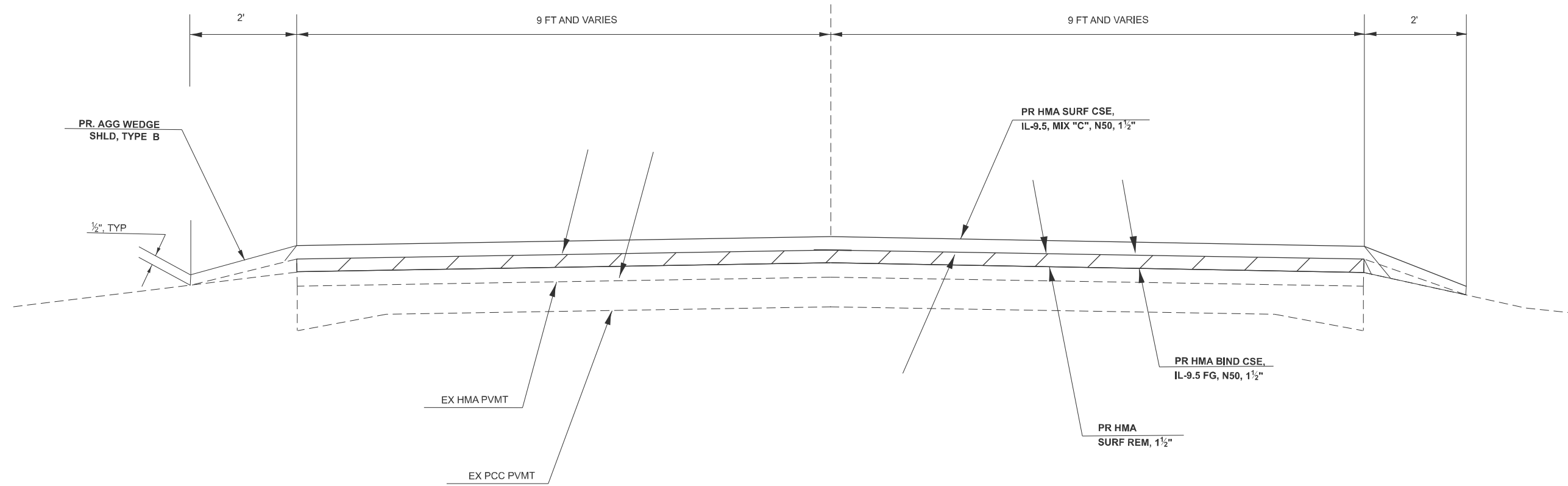
TYPICAL SECTIONS

SCALE: SHEET 6 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	D9 Resurface 2026-2	Johnson	13	6
CONTRACT NO. 78C09				
ILLINOIS FED. AID PROJECT				

SBI 1A

**OLD US 45
SBI 1A**



TO BE USED:

STA 1642+67.74 TO STA 1647+93.59

NOTE: HMA SURFACE REMOVAL SHALL EXTEND TO THE FACE OF THE EXISTING CURB AND GUTTER

MODEL: Typical Section 2 (Sheet)
FILE NAME: c:\p\work\pvt\illinois\project\160085\078C09-Typicals.dgn

USER NAME = Matthew.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

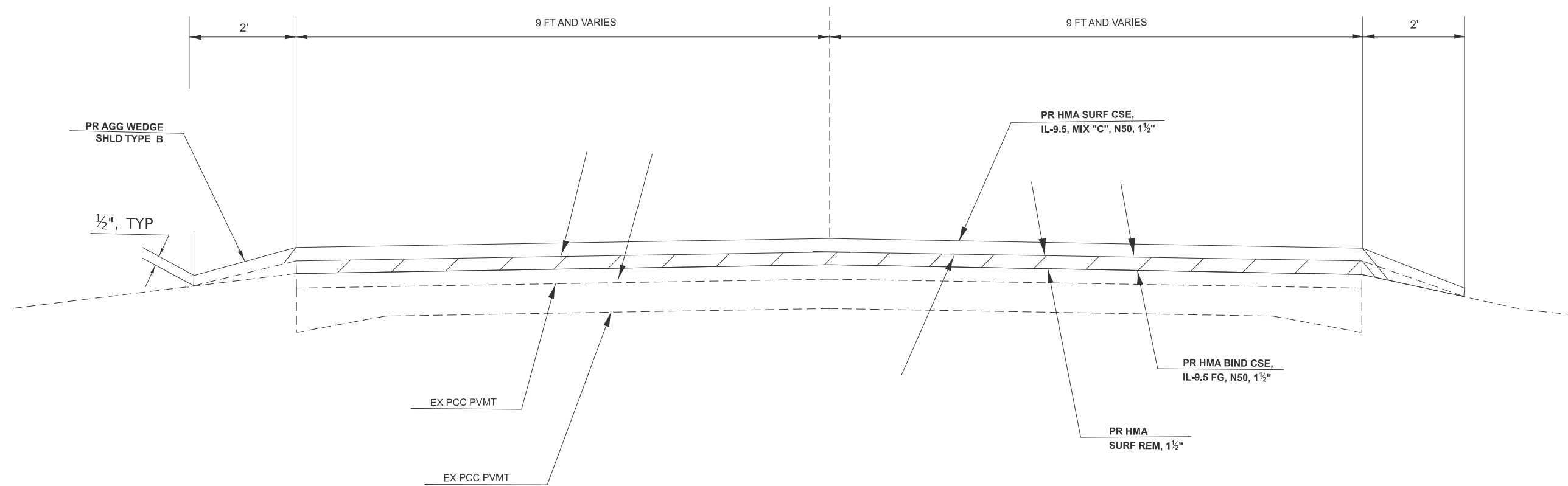
TYPICAL SECTIONS

SCALE: SHEET 7 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	D9 Resurface 2026-2	Johnson	13	7
CONTRACT NO. 78C09				
		ILLINOIS	FED. AID PROJECT	

SBI 1A

**OLD US 45
SBI 1A**



TO BE USED:
 STA 1656+65.71 TO STA 1656+69.59 BK
 STA 5+45.20 AH TO STA 9+70.30
 EQN: STA 1656+69.59 BK = STA 5+45.20 AH

NOTE: HMA SURFACE REMOVAL SHALL EXTEND TO THE FACE OF THE EXISTING CURB AND GUTTER

MODEL: Typical Section-1 [Sheet]
 FILE NAME: c:\p\work\p\oldus45\matthew.wilson@illinois.gov\d1160085\072009-Typicals.dgn

USER NAME = Matthew.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET 8 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	D9 Resurface 2026-2	Johnson	13	8
CONTRACT NO. 78C09				
ILLINOIS FED. AID PROJECT				

SBI 1A

RESURFACING SCHEDULE

LOCATION STATION TO STATION	STATION IDENTIFIER	LENGTH	ROADWAY WIDTH	AGGREGATE SHOULDER WIDTH		TEMP RAMP	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT BINDER COURSE, IL-9.5 FG, N50 (1 1/2")	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (1 1/2")	BIT MATL (TACK COAT)	AGG SHLD WEDGE, TYPE B	NOTE	
				LT	RT								
				FOR INFORMATIONAL PURPOSE ONLY									
OLD US 45		BK/AH	FT	FT	FT	FT	SQ YD	SQ YD	TON	TON	POUND	TON	
JOHNSON COUNTY													
1636+41.22	TO	1642+67.74		627	22	0	0	0	1,533	129	129	1,035	0
1642+67.74	TO	1647+93.59		526	18	2	2	0	1,052	91	88	711	24
1647+93.59	TO	1656+65.71		873	22	0	0	0	2,134	179	179	1,441	0
1656+65.71	TO	1656+69.59	BK	4	18	2	2	0	8	1	1	6	1
5+45.20	TO	9+00.00	AH	355	18	2	2	0	710	61	60	480	14
9+00.00	TO	9+70.30		71	VARIES	2	2	70	243	20	20	164	3
TOTAL								70	5,680	481	477	3,837	42

MODEL: Resurfacing and Shoulder Schedule (Sheet)
 FILE NAME: c:\p\work\p\w\m\matthew.wilson@illinois.gov\d1180085D5D78C09-Schedule.sgm

USER NAME = Matthew.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RESURFACING & SHOULDER SCHEDULE

SCALE: SHEET 9 OF 13 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	D9 Resurface 2026-2	Johnson	13	9
CONTRACT NO. 78C09				
ILLINOIS FED. AID PROJECT				

SBI 1A

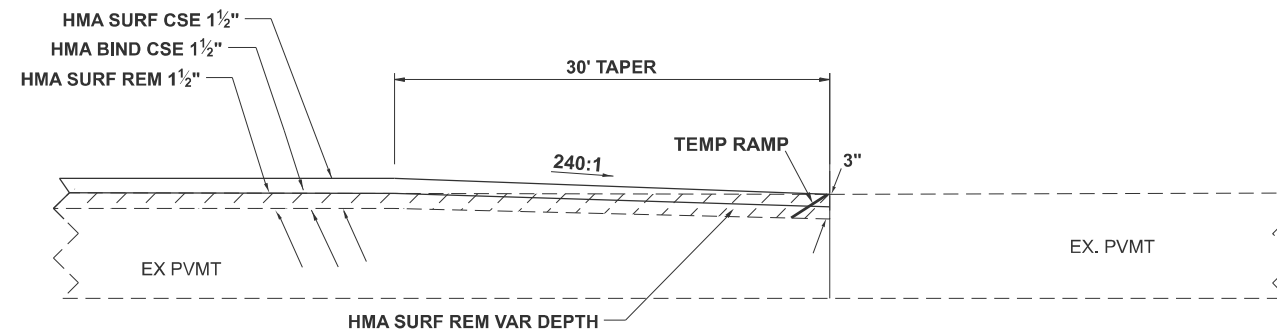
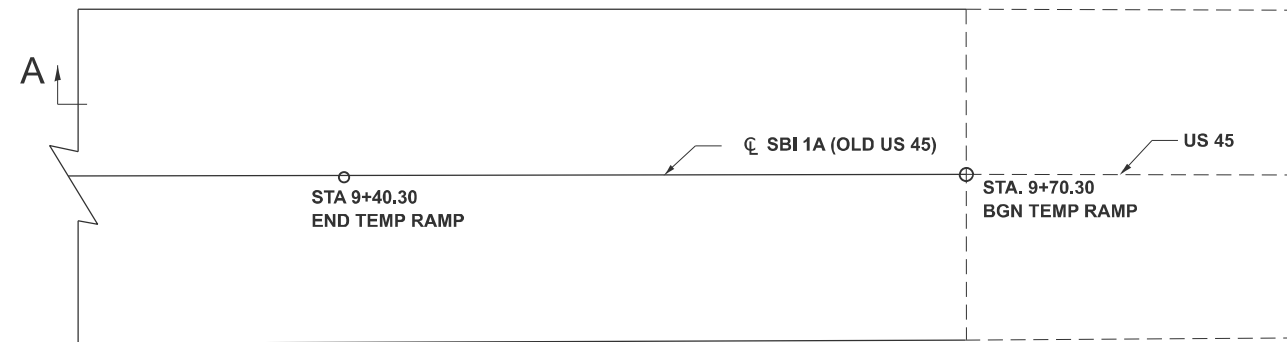
ENTRANCE SCHEDULE

LOCATION SBI 1A (OLD US 45)	ENT TYPE	FOR INFO PURPOSES ONLY				INCIDENTAL HMA SURFACING	AGG WEDGE SHLD, TYPE B	BIT. MATL (TACK COAT)
		EOP	WIDTH 4' O/S	RDWY AREA				
		MATERIAL	FT	FT	SQ YD			
ENTRANCES								
1636+74.00	PE	CONC	67	67	30	3	0	14
1642+81.52	PE	AGG	57	46	23	0	3	0
1646+39.49	PE	AGG	42	37	18	0	2	0
1647+49.43	PE	AGG	30	21	12	0	2	0
5+94.03 R2	CE	CONC/AGG	56	44	23	2	0	11
OLD US 45 TOTAL						5	7	25

MODEL: Entrances (Sheet)
 FILE NAME: c:\p\work\p\idom\matthew.wilson@illinois.gov\1160085\078C09-Schedule.sgm

USER NAME = Matthew.Wilson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ENTRANCE SCHEDULE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -			*	D9 Resurface 2026-2	Johnson	13	10	
	CHECKED -	REVISED -			CONTRACT NO. 78C09					
PLOT DATE = 1/21/2026	DATE -	REVISED -			SCALE:	SHEET 10 OF 13 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

MILLING AND RESURFACING TRANSITION DETAILS

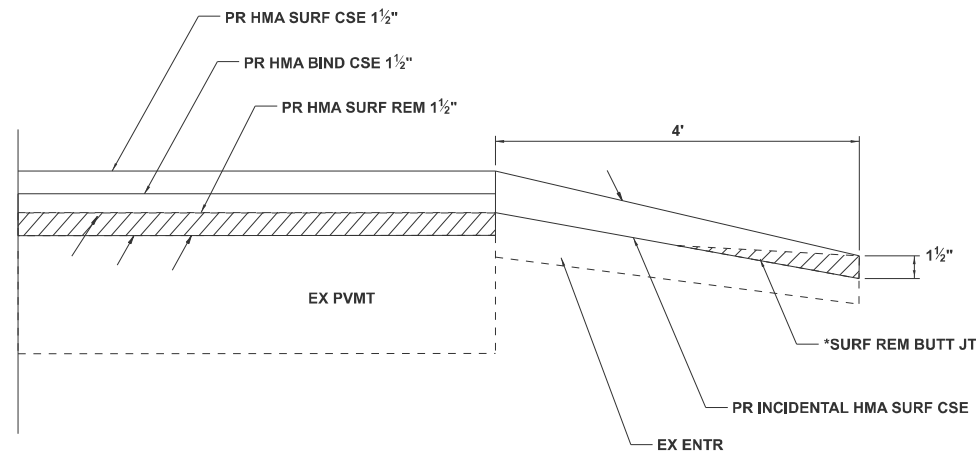


*VARIABLE MILLING DEPTH IS INCLUDED IN THE COST OF HOT MIX ASPHALT SURFACE REMOVAL 1½"

MODEL: BUTT JOINT DETAILS ROUGH GROOVED SURFACE (Sheet)
FILE NAME: c:\p\work\p\road\matthew.wilson@illinois.gov\1160085D\78C09-Roadway_Details.dgn

USER NAME = Matthew.Wilson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRANSITION DETAILS			F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -		SCALE:	SHEET 11	OF 13 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	
	CHECKED -	REVISED -									
PLOT DATE = 1/14/2026	DATE -	REVISED -									

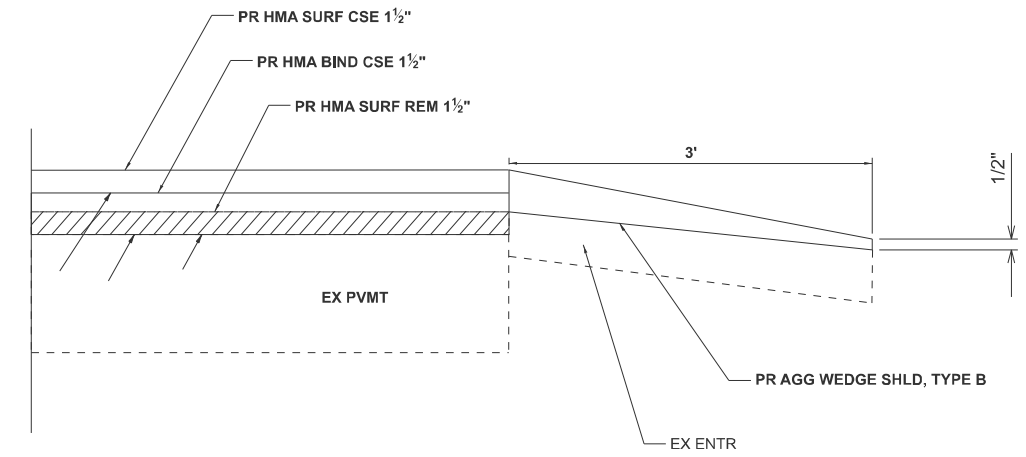
BITUMINOUS OR PCC ENTRANCE



DRAWN	12/15/25
REVISED	
REVISED	
REVISED	

STD. 9-

AGGREGATE ENTRANCE



1. IF THE 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 SIDEROAD 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.
3. *SURFACE REMOVAL BUTT JOINT ON ENTRANCES IS INCLUDED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACING.

DRAWN	12/15/25
REVISED	
REVISED	
REVISED	

STD. 9-

MODEL: Entrance Details-1 | Sheet1
FILE NAME: c:\pwwork\pwwork\matthew.wilson@illinois.gov\d180085\0978C09-Roadway Details.dgn

USER NAME = Matthew.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/21/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

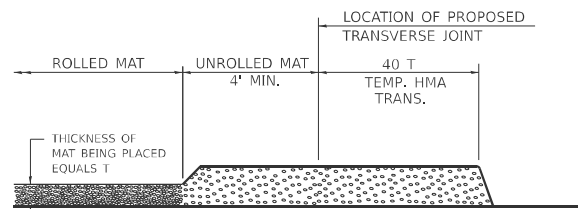
ENTRANCE DETAILS

SCALE: SHEET 12 OF 13 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	D9 Resurface 2026-2	Johnson	13	12
CONTRACT NO. 78C09				
ILLINOIS FED. AID PROJECT				

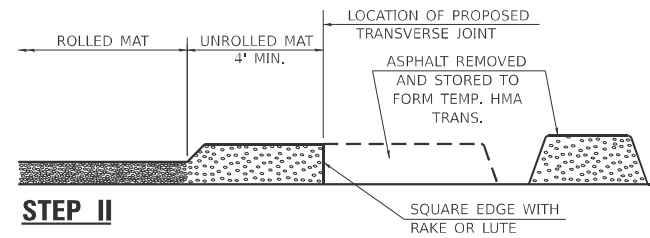
SBI 1A

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



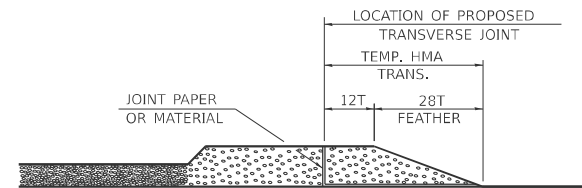
STEP I

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. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



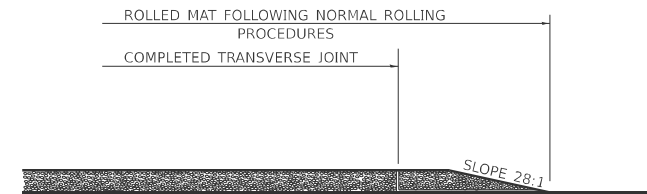
STEP II

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 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 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.

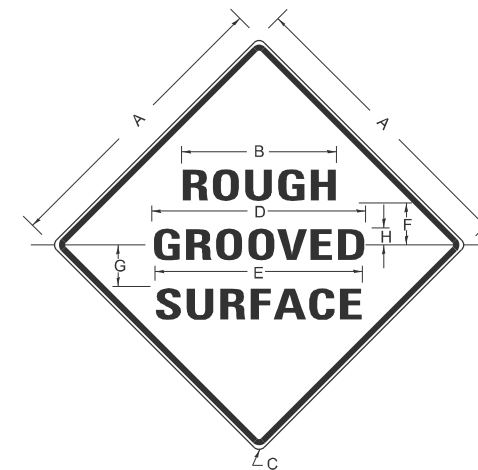
REDRAWN	2-15-89
REVISED	8-16-94
REVISED	01-09-07
RESIZED	05-08-08
REVISED	05-16-13
REVISED	10-21-21

STD. 9-26

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

STD. 9-23

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

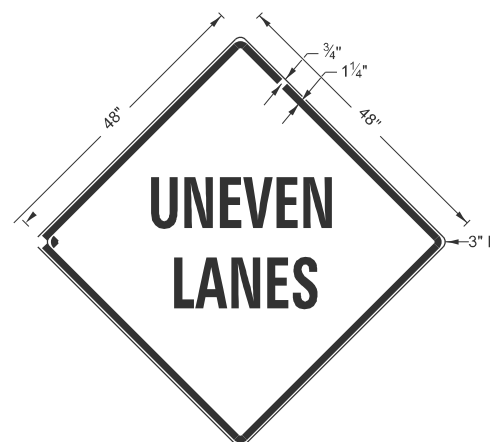
NOTES

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.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY HOT-MIX ASPHALT TRANSITIONS,
ROUGH GROOVED SURFACE, AND UNEVEN LANE DETAILS

SCALE: SHEET 13 OF 13 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	D9 Resurface 2026-2	Johnson	13	13
CONTRACT NO. 78C09				

ILLINOIS FED. AID PROJECT

SBI 1A

USER NAME = Matthew.Wilson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/21/2026	DATE -	REVISED -