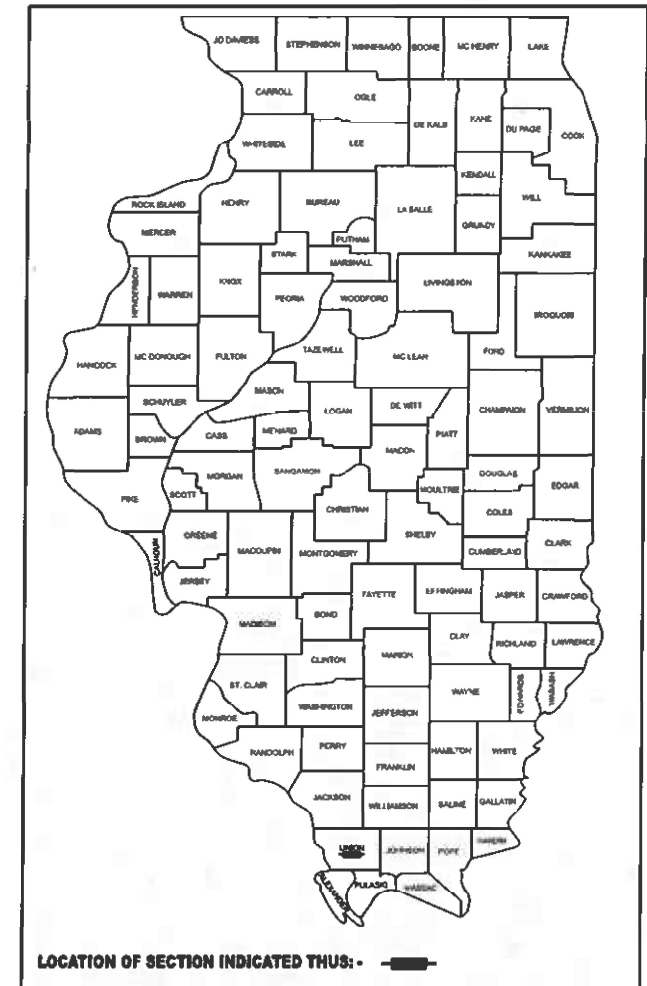


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-8	Union	18	1
ILLINOIS CONTRACT NO. 78B60				

D99-071-25



# PROPOSED HIGHWAY PLANS

FAP ROUTE 885 (IL 146)  
SECTION 104RS-8  
PROJECT NHPP-UM9C(704)  
RESURFACING  
UNION COUNTY

C-99-104-25

R.2.W.

FOR INDEX OF SHEETS, SEE SHEET NO. 3

TRAFFIC DATA			
ROUTE	YEAR / ADT	TRUCKS	
IL 146: IL 3 TO MORGAN SCHOOL ROAD	2026 / 4170	9.20%	
MORGAN SCHOOL ROAD TO IL 127	2026 / 4840	2.80%	

TOWNSHIP  
WARE

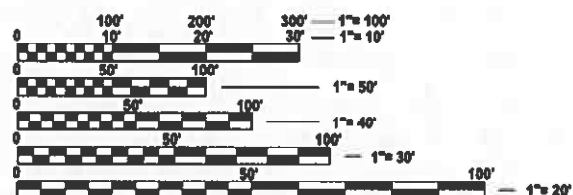
POSTED SPEED - 55MPH

OMISSIONS

RR: STA 434+33.10 TO STA 434+08.60  
SN 091-0026: STA 377+60 TO STA 376+92  
SN 091-0060: STA 333+96 TO STA 330+24  
SN 091-0059: STA 271+00 TO STA 266+00

### STATION EQUATIONS

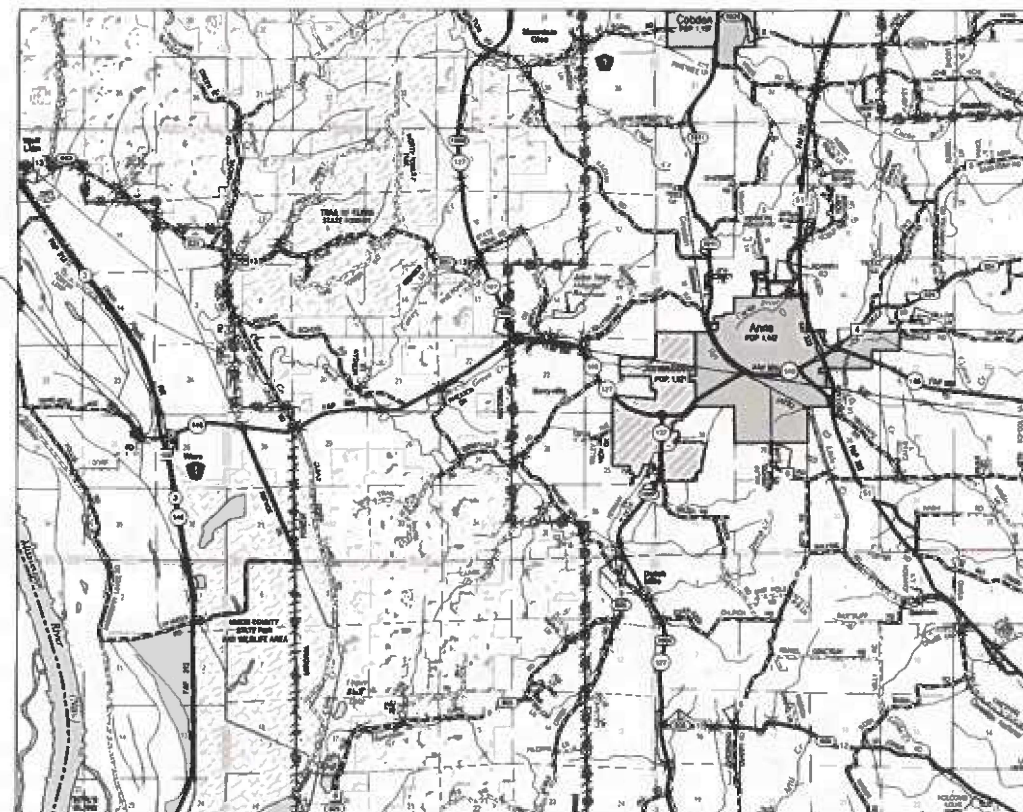
185+28.00	BK =	163+01.20	AH
265+27.60	BK =	265+34.00	AH
294+85.80	BK =	293+54.40	AH



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 START  
STA 438+27.50



PROJECT END  
STA 181+28

T.12.S.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 05/04 20 26  
*Compton*  
REGIONAL ENGINEER

June 26 20 26  
*See Ed etc*  
ENGINEER OF DESIGN AND ENVIRONMENT

June 26 20 26  
*Quarry*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

PROJECT ENGINEER: MICHAELA MONTGOMERY  
PROJECT MANAGER: VALERIE ROLLA

CONTRACT NO. 78B60

GROSS LENGTH = 27462 FT. = 5.201 MILE  
NET LENGTH = 27462 FT. = 5.201 MILE

MODEL: Signature [Sheet]  
FILE NAME: c:\p\work\pdm\michaela.montgomery\1181389\0578860-SHA-Cover\_Signature.dgn

Prepared By: Susan Re  
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Heil  
DISTRICT LAND ACQUISITION ENGINEER

Examined By: \_\_\_\_\_  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: R. C. [Signature]  
DISTRICT OPERATIONS ENGINEER

Examined By: \_\_\_\_\_  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Bernie [Signature]  
DISTRICT CONSTRUCTION ENGINEER

Examined By: Aan Hay  
DISTRICT MATERIALS ENGINEER

USER NAME	= Michaela.Montgomery	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 3/27/2026	DATE	-	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNATURE SHEET**

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-8	Union	20	2
CONTRACT NO. 78B60				
ILLINOIS FED. AID PROJECT				

# INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3-4	INDEX OF SHEETS, HIGHWAY STANDARDS,
4	COMMITMENTS, GENERAL NOTES MTD TABLE
5	MIX DESIGN
6-8	SUMMARY OF QUANTITIES
9	TYPICAL SECTIONS: IL 146
10-17	SCHEDULES
18	DETAILS: TEMP HMA TRANSITIONS
	DETAILS: ROUGH GROOVED SURFACE
18	BUTT JOINT
	DETAILS: UNEVEN LANES

# HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
442201-04	CLASS C AND D PATCHES
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
642011	SINUSOIDAL RUMBLE STRIPS, 14 IN
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) 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
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701336-07	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH
701901-11	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

# GENERAL NOTES

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

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, BINDER COURSE, 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

WHEN SHOULDER RESURFACING OF 6 FEET 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

VIBRATORY ROLLERS WILL NOT BE ALLOWED WITHIN THE CORPORATE LIMITS OF WARE

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

REVISE STANDARD SPECIFICATIONS ARTICLE 107.12, PARAGRAPH 5, LAST SENTENCE TO READ: 'ALL OTHER RAILROAD FLAGGER COSTS WILL BE INCURRED BY THE DEPARTMENT ACCORDING TO ARTICLE 109.05.'

THE CURRENT MCL APPLICATION/RIGHT OF ENTRY FEE IS \$2200. THE INSURANCE AND MCL MUST BE ENDORSED PRIOR TO ACCESSING RAILROAD RIGHT OF WAY.

**COMMITMENTS:** NONE

# COMMITMENTS

NONE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES  
HIGHWAY STANDARDS, STATION EQUATIONS

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-8	Union	18	3
CONTRACT NO. 78B60				
ILLINOIS FED. AID PROJECT				

## MTD CROSSING RESTRICTIONS TABLE

ROUTE (IL 146) SN & CENTERLINE STATION	EXISTING FILL HEIGHT OVER BOX CULVERT	THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT	MAXIMUM GROSS WEIGHT RESTRICTION	MTD CROSSING RESTRICTIONS
	FOOT	FOOT		
091-7033	N/A	N/A	40 TON	Emptied *
091-7036	N/A	N/A	40 TON	Emptied *
091-7037	N/A	N/A	40 TON	Emptied *
091-7038	N/A	N/A	40 TON	Emptied *
091-7039	N/A	N/A	40 TON	Emptied *
091-7040	N/A	N/A	40 TON	Emptied *
091-0026	N/A	N/A	40 TON	Emptied *
091-0059	N/A	N/A	40 TON	Emptied *
091-0060	N/A	N/A	40 TON	Emptied *

\*The Contractor shall refer to BDE Special Provision for Material Transfer Device.

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																	
885	104RS-8	Union	18	4																	
CONTRACT NO. 78B60																					
ILLINOIS FED. AID PROJECT																					

# HMA MIXTURE REQUIREMENTS TABLES

The following HMA mixture requirements are applicable for this project

Locations	Hot-Mix Asphalt Surface Course
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

Locations	Hot-Mix Asphalt Binder Course
Mixture Use(s):	Hot-Mix Asphalt Binder Course, IL-9.5FG, N70
AB/PG:	PG64-22
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm Fine Graded
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCP
Sublot Size:	1,000 tons
Material Transfer Device (Required?)	Yes

Locations	HMA Shoulders (Binder Lift, Surface Lift)
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N30
AB/PG:	PG64-22
Design Air Voids:	4.0 %, 30 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5L
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA
Sublot Size:	3,000 tons
Material Transfer Device (Required?)	No

**HMA BINDER AND HMA SURFACE FOR HMA SHOULDERS SHALL BE PLACED IN SUCCESSIVE LIFTS. PLACEMENT OF MAINLINE AND SHOULDER RESULTING IN A 16' MAT REQUIRES PRIOR APPROVAL FROM RESIDENT ENGINEER AND MIXTURES CONTROLS ENGINEER.**

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/23/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MIX DESIGN**

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-8	Union	18	5
CONTRACT NO. 78B60				
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES

COUNTY:	UNION COUNTY
ROUTE:	FAP 885 / IL 146
FUNDING:	80% FEDERAL 20% STATE
LOCATION:	RURAL
TOTAL QUANTITY:	ROADWAY
	0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	59571	59571
40600370	LONGITUDINAL JOINT SEALANT	FOOT	27190	27190
40600405	MATERIAL TRANSFER DEVICE	TON	12275	12275
40600990	TEMPORARY RAMP	SQ YD	682	682
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	6138	6138
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	6138	6138
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	103445	103445
44201377	CLASS C PATCHES, TYPE II, 12 INCH	SQ YD	467	467
44201381	CLASS C PATCHES, TYPE III, 12 INCH	SQ YD	267	267
44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	1127	1127
44201403	CLASS C PATCHES, TYPE II, 14 INCH	SQ YD	676	676
44201407	CLASS C PATCHES, TYPE III, 14 INCH	SQ YD	166	166
44201409	CLASS C PATCHES, TYPE IV, 14 INCH	SQ YD	1161	1161

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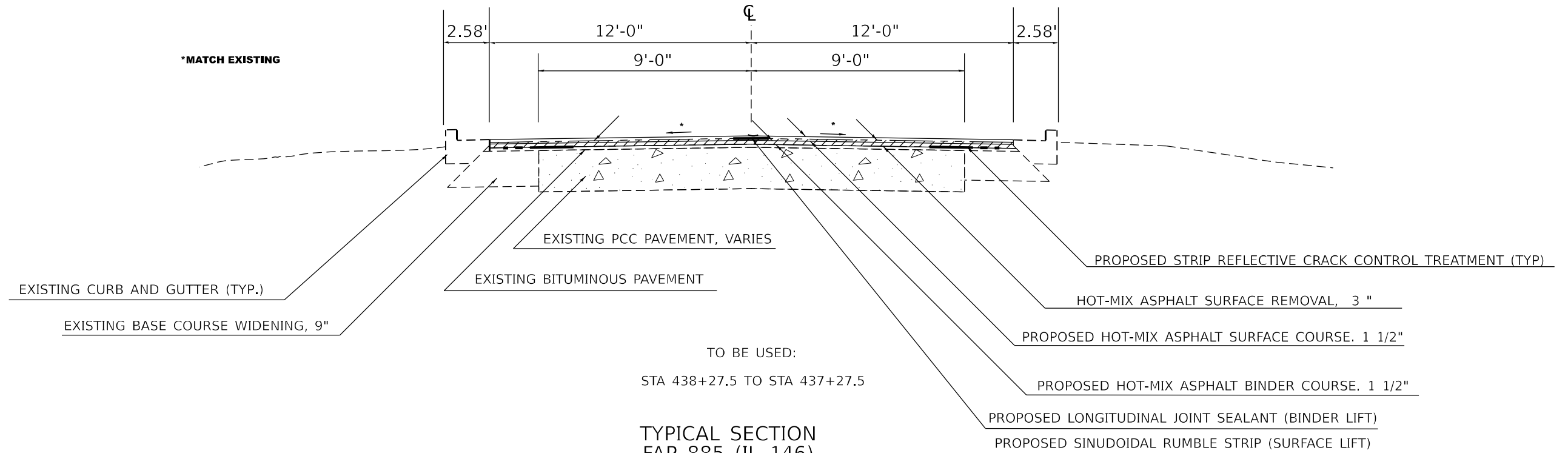
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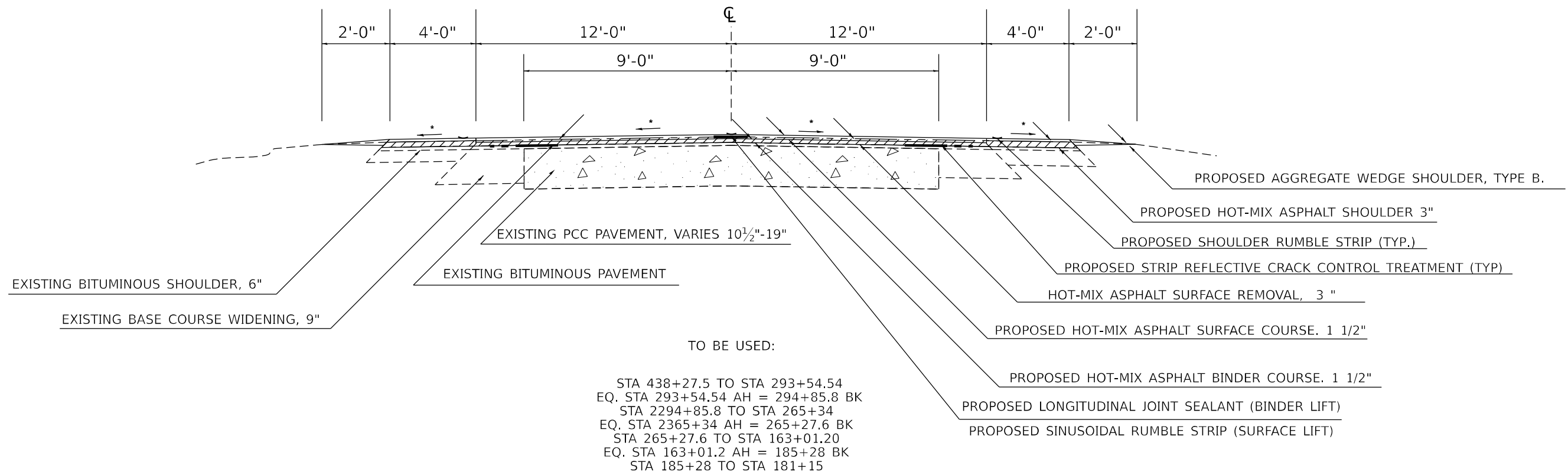




TYPICAL SECTION  
FAP 885 (IL 146)  
UNION COUNTY



TYPICAL SECTION  
FAP 885 (IL 146)  
UNION COUNTY



TO BE USED:  
 STA 438+27.5 TO STA 437+27.5  
 STA 438+27.5 TO STA 293+54.54  
 EQ. STA 293+54.54 AH = 294+85.8 BK  
 STA 2294+85.8 TO STA 265+34  
 EQ. STA 2365+34 AH = 265+27.6 BK  
 STA 265+27.6 TO STA 163+01.20  
 EQ. STA 163+01.2 AH = 185+28 BK  
 STA 185+28 TO STA 181+15

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 5/12/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-8	Union	18	9
CONTRACT NO. 78B60				
ILLINOIS FED. AID PROJECT				

## MAINLINE RESURFACING SCHEDULE

LOCATION STATION TO STATION	LENGTH	WIDTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	HOT-MIX ASPHALT BINDER COURSE, 1.5"	HOT-MIX ASPHALT SURFACE COURSE, 1.5"	MATERIAL TRANSFER DEVICE	BITUMINOUS MATERIALS (TACK COAT)	STRIP REFLECTIVE CRACK CONTROL	LONG JOINT SEALANT	SINUSOIDAL RUMBLE STRIPS, 14 IN (CENTERLINE)	TEMP RAMP	COMMENTS
	FEET	FEET	SQ FT	SQ YD	TON	TON	TON	POUND	FOOT	FOOT	FOOT	SQ YD	
<b>IL 146</b>													
438+27.50 TO 437+77.50	50	136	6,775	753	63	63	126	508	100	100	50	226	IL 3 INTERSECTION - LJS DOUBLED FOR TURN LANE
437+77.50 TO 437+27.50	50	48.5	2,425	269	23	23	45	182	100	100	50		IL 3 INTERSECTION - LJS DOUBLED FOR TURN LANE
437+27.50 TO 434+33.10	294.4	26	7,654	850	71	71	143	574	589	294	294	87	RR TEMP RAMPS - BOTH SIDES
434+33.10 TO 434+08.60													RAILROAD EXCLUSION
434+08.60 TO 377+60.00	5648.6	24	135,566	15,063	1,265	1,265	2,531	10,167	11,297	5,649	5,649	40	RR TO BRIDGE - BRIDGE TEMP RAMPS
377+60.00 TO 376+92.00													BRIDGE OMISSION 091-0026
376+92.00 TO 333+96.00	4296	24	103,104	11,456	962	962	1,925	7,733	8,592	4,296	4,296	80	BRIDGE TO BRIDGE
333+96.00 TO 330+24.00													BRIDGE OMISSION 091-0060
330+24.00 TO 293+54.54	3669.5	24	88,067	9,785	822	822	1,644	6,605	7,339	3,669	3,669	40	BRIDGE TO STA EQN
293+54.54 AH = 294+85.8 BK													STA EQN
294+85.80 TO 271+00.00	2385.8	24	57,259	6,362	534	534	1,069	4,294	4,772	2,386	2,386	40	STA EQN TO BRIDGE
271+00.00 TO 266+00.00													BRIDGE OMISSION 091-0059
266+00.00 TO 265+34.00	66	24	1,584	176	15	15	30	119	132	66	66	40	BRIDGE TO STA EQN
265+34.00 AH = 265+27.6 BK													STA EQN
265+27.60 TO 163+01.20	10226.4	24	245,434	27,270	2,291	2,291	4,581	18,408	20,453	10,226	10,226		STA EQN TO STA EQN
163+01.20 AH = 185+28 BK													STA EQN
185+28.00 TO 181+25.00	403	24	9,672	1,075	90	90	181	725	806	403	403	40	STA EQN TO IL 127
<b>TOTALS:</b>	27090		657,541	73,061	6,138	6,138	12,275	49,316	54,180	27,190	27,090	593	

## SIDE ROAD SCHEDULE

LOCATION: FAP 885 (IL 146)		EXIST. SURFACE	EOP WIDTH	TEMP RAMP
		INFORMATION ONLY		
			FOOT	SQ YD
SIDE ROADS				
RT	OAK ST W ENT	AGG	47	5.2
RT	OAK ST E ENT	AGG	44	4.9
LT	ELM DRIVE	O&C	37	4.1
LT	FOLLIS DRIVE	O&C	43	4.8
LT	REFUGE ROAD	HMA	65	7.2
RT	STONE ROAD	HMA	50	5.6
RT	CLEAR CREEK LEVEE ROAD	HMA	52	5.8
LT	CLEAR CREEK LEVEE ROAD	HMA	43	4.8
RT	GRAHAM LANE	AGG	53	5.9
LT	GRAHAM LANE	HMA	24	2.7
RT	DUG HILL ROAD	AGG	88	9.8
LT	TRACTOR MAN LANE	HMA	62	6.9
RT	MORGAN SCHOOL ROAD	HMA	90	10.0
LT	BERRYVILLE ROAD	HMA	98	10.9
<b>TOTAL:</b>			89	

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	DRAWN -	REVISED -		SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.				CONTRACT NO. 78B60				
	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
PLOT DATE = 4/23/2026	DATE -	REVISED -										

## SHOULDER RESURFACING SCHEDULE

LOCATION STATION TO STATION			LENGTH	WIDTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL 3"	HOT-MIX ASPHALT SHOULDERS, BINDER LIFT, 1.5"	HOT-MIX ASPHALT SHOULDERS, SURFACE LIFT, 1.5"	SHOULDER RUMBLE STRIPS, 8 IN	BITUMINOUS MATERIALS (TACK COAT)	AGG WEDGE TYPE B	COMMENTS
<b>IL 146</b>												
438+27.50	TO	437+42.50	85	0	0	0	0	0		0	0	IL 3 CURB AREAS RT
438+27.50	TO	437+29.50	98	0	0	0	0	0		0	0	IL 3 CURB AREAS LT
437+42.50	TO	434+33.10	309.4	4	1,238	275	23	23	619	93	12	RT CURB TO TRACKS
437+29.50	TO	434+33.10	296.4	4	1,186	263	22	22	593	89	11	LT CURB TO TRACKS
434+33.10	TO	434+08.60										RAILROAD EXCLUSION
434+08.60	TO	377+60.00	5648.6	4	22,594	5,021	422	422	11,297	1,695	214	RR to Bridge
377+60.00	TO	376+92.00										BRIDGE OMISSION 091-0026
376+92.00	TO	334+83.00	8337.6	4	33,350	7,411	623	623	16,675	2,501	160	Bridge to STA EQN
334+83.00	TO	333+96.00	87.00	12	1,044	232	19	19	174	78	10	WIDE SHOULDER
333+96.00	TO	330+24.00										BRIDGE 091-0060
330+24.00	TO	329+46.00	78.00	10	780	173	15	15	156	59	7	WIDE SHOULDER
329+46.00	TO	293+54.40	5700	4	22,800	5,067	426	426	11,400	1,710	136	
293+54.54 AH	=	294+85.8 BK										STA EQN
294+85.80	TO	272+46.00	2239.8	4	8,959	1,991	167	167	4,480	672	85	STA EQN TO BRIDGE
272+46.00	TO	271+00.00	146	10	1,460	324	27	27	292	110	14	WIDE SHOULDER
271+00.00	TO	266+00.00										BRIDGE OMISSION 091-0059
266+00.00	TO	265+34.00	66	8	528	117	10	10	132	40	5	Bridge to STA EQN
265+34 AH	=	265+27.6 BK										STA EQN
265+27.60	TO	264+59.60	68	8	544	121	10	10	136	41	5	WIDE SHOULDER
264+59.00	TO	163+01.20	10157.8	4	40,631	9,029	758	758	20,316	3,047	386	STA EQN TO STA EQN
163+01.2 AH	=	185+28 BK										STA EQN
185+28.00	TO	181+25.00	403	4	1,612	358	30	30	806	121	15	STA EQN TO IL 127
181+25.00	TO	181+15.00										BUTT JOINT
<b>TOTALS</b>			33720.6		136,727	30,384	2,553	2,553	67,076	10,255	1,061	
							5,106					

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USER NAME = Michaela.Montgomery	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/23/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHOULDER RESURFACING SCHEDULE**

SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-8	Union	18	11
CONTRACT NO. 78B60				
ILLINOIS FED. AID PROJECT				

## EB PATCHING SCHEDULE

	LENGTH	WIDTH	CLASS C, TY II, 12"	CLASS C, TY III, 12"	CLASS C, TY IV, 12"	CLASS C, TY II, 14"	CLASS C, TY III, 14"	CLASS C, TY IV, 14"	CLASS C, TY I, 17"	CLASS C, TY II, 17"	CLASS C, TY III, 17"	CLASS C, TY IV, 17"	TIE BARS (NO.6)	COMMENTS
	FEET	FEET	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	
<b>IL 146</b>														
432+99.50	20	5				11	0	0					7	
431+41.10	12	5				7	0	0					0	
427+18.70	7	12				9	0	0					0	
426+65.90	10	12				13	0	0					0	
422+43.50	10	12				13	0	0					0	
420+85.10	12	12				0	16	0					0	
419+26.70	20	12				0	0	27					7	
417+15.50	7	12				9	0	0					0	
416+09.90	5	12				7	0	0					0	
415+04.30	5	12				7	0	0					0	
413+45.90	5	12				7	0	0					0	
411+34.70	5	12				7	0	0					0	
409+76.30	5	12				7	0	0					0	
408+17.90	5	12				7	0	0					0	
407+12.30	5	12				7	0	0					0	
406+06.70	100	5				0	0	56					34	
405+01.10	5	12				7	0	0					0	
401+31.50	5	12				7	0	0					0	
400+25.90	5	12				7	0	0					0	
398+67.50	5	12				7	0	0					0	
397+61.90	5	12				7	0	0					0	
396+03.50	5	12				7	0	0					0	
394+45.10	8	12				11	0	0					0	
392+86.70	5	12				7	0	0					0	
389+17.10	12	12				0	16	0					0	
387+58.70	8	12				11	0	0					0	
386+00.30	10	12				13	0	0					0	
384+41.90	5	12							0	7	0	0	0	
378+61.10	20	4							0	9	0	0	7	
374+91.50	5	12							0	7	0	0	0	
373+33.10	5	12							0	7	0	0	0	
365+93.90	4	4							2	0	0	0	0	
362+24.30	5	12							0	7	0	0	0	
355+37.90	8	12							0	11	0	0	0	
329+50.70	5	12				7	0	0					0	
328+45.10	5	12				7	0	0					0	
320+00.30	70	2				0	16	0					24	
311+55.50	100	2				0	22	0					34	CL
306+27.50	5	12							0	7	0	0	0	
296+77.10	5	12							0	7	0	0	0	
275+65.10	200	2							0	0	0	44	67	CL
253+66.76	5	12				7	0	0					0	
252+61.16	5	12				7	0	0					0	
251+55.56	10	12				13	0	0					0	
247+33.16	5	12				7	0	0					0	
245+74.76	5	12				7	0	0					0	
244+69.16	5	12				7	0	0					0	
244+16.36	20	12				0	0	27					7	
242+57.96	20	12				0	0	27					7	
<b>SHEET 1 TOTAL:</b>			0	0	0	252	70	136	2	60	0	45	194	0

MODEL: Schedule-EB Patching 1 (Sheet)  
 FILE NAME: c:\p\work\11\michaela.montgomery\1181389\0978860-SHE-Schedule.dgn

USER NAME = Michaela.Montgomery	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/23/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PATCHING SCHEDULE**

SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-8	Union	18	12
CONTRACT NO. 78B60				
ILLINOIS FED. AID PROJECT				





## WB PATCHING SCHEDULE CONT'D

	LENGTH	WIDTH	CLASS C, TY II, 12"	CLASS C, TY III, 12"	CLASS C, TY IV, 12"	CLASS C, TY II, 14"	CLASS C, TY III, 14"	CLASS C, TY IV, 14"	CLASS C, TY I, 17"	CLASS C, TY II, 17"	CLASS C, TY III, 17"	CLASS C, TY IV, 17"	TIE BARS (NO.6)	COMMENTS
	FEET	FEET	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH	
<b>IL 146</b>														
238+74.00	9	12	12	0	0								0	
239+79.60	10	12	13	0	0								0	
240+85.20	120	12	0	0	160								40	
241+90.80	5	12	7	0	0								0	
244+02.00	8	12	11	0	0								0	
245+07.60	40	12	0	0	53								14	
246+13.20	10	12	13	0	0								0	
247+18.80	5	12	7	0	0								0	
247+98.00	5	12	7	0	0								0	
248+77.20	5	12	7	0	0								0	
249+82.80	20	12	0	0	27								7	
250+88.40	8	12	11	0	0								0	
251+94.00	15	12	0	20	0								0	
252+99.60	15	12	0	20	0								0	
253+52.40	5	12	7	0	0								0	
254+05.20	7	12	9	0	0								0	
254+58.00	100	2	0	22	0								34	CL
256+16.40	10	12	13	0	0								0	
257+22.00	80	2	0	18	0								27	CL
257+74.80	8	12	11	0	0								0	
275+23.60	5	12	7	0	0								0	
285+79.60	105	12	0	0	140								35	
291+60.40	10	12							0	13	0	0	0	
293+71.60	20	12							0	0	0	27	7	
294+77.20	10	12							0	13	0	0	0	
295+04.34	5	12							0	7	0	0	0	
296+62.74	60	6							0	0	0	40	20	
298+21.14	12	12							0	0	16	0	0	
301+90.74	5	12							0	7	0	0	0	
302+96.34	8	12							0	11	0	0	0	
310+88.34	5	12							0	7	0	0	0	
316+69.14	20	12							0	0	0	27	7	
321+44.34	90	4							0	0	0	40	30	CL
323+02.74	100	3							0	0	0	33	34	CL
324+08.34	8	12							0	11	0	0	0	
327+25.14	5	12							0	7	0	0	0	
328+30.74	20	12							0	0	0	27	7	
332+00.34	40	12							0	0	0	53	14	
335+17.14	5	12							0	7	0	0	0	
337+28.34	5	12							0	7	0	0	0	
350+48.34	5	12							0	7	0	0	0	
352+06.74	10	12							0	13	0	0	0	
354+17.94	8	12							0	11	0	0	0	
355+76.34	9	12							0	12	0	0	0	
356+81.94	10	12							0	13	0	0	0	
361+04.34	5	12							0	7	0	0	0	
364+21.14	6	6							4	0	0	0	0	
365+26.74	5	12							0	7	0	0	0	
366+32.34	18	12							0	0	24	0	0	
374+24.34	90	5				0	0	50					30	
375+29.94	5	12				7	0	0					0	
380+57.94	12	12				0	16	0					0	
382+69.14	8	12				11	0	0					0	
383+74.74	8	12				11	0	0					0	
384+80.34	10	12				13	0	0					0	
385+85.94	5	12				7	0	0					0	
<b>SHEET 4 TOTAL:</b>			134	80	380	48	16	50	4	158	40	247	306	0

MODEL: Schedule-WB Patching 2 (Sheet)  
 FILE NAME: c:\p\work\wb\michaelsa.montgomery\181389\0978860-SHE-Schedule.dgn

USER NAME = Michaela.Montgomery	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PATCHING SCHEDULE CONT'D</b>				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	DRAWN -	REVISED -		SCALE:	SHEET 6	OF 8	SHEETS	STA.	TO STA.	885	104RS-8	Union	18	15
	CHECKED -	REVISED -		CONTRACT NO. 78B60										
PLOT DATE = 4/23/2026	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

## WB PATCHING SCHEDULE CONT'D

	LENGTH	WIDTH	CLASS C, TY II, 12"	CLASS C, TY III, 12"	CLASS C, TY IV, 12"	CLASS C, TY II, 14"	CLASS C, TY III, 14"	CLASS C, TY IV, 14"	CLASS C, TY I, 17"	CLASS C, TY II, 17"	CLASS C, TY III, 17"	CLASS C, TY IV, 17"	TIE BARS (NO.6)	COMMENTS
	FEET	FEET	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH	
<b>IL 146</b>														
386+91.54	25	12				0	0	33					9	
387+97.14	5	12				7	0	0					0	
390+61.14	8	12				11	0	0					0	
391+66.74	20	12				0	0	27					7	
393+25.14	15	12				0	20	0					0	
394+30.74	5	12				7	0	0					0	
395+89.14	20	12							0	0	0	27	7	
396+94.74	5	12							0	7	0	0	0	
405+92.34	10	12							0	13	0	0	0	
406+97.94	20	12							0	0	0	27	7	
408+03.54	5	12							0	7	0	0	0	
410+14.74	14	12							0	0	19	0	0	
411+20.34	5	12							0	7	0	0	0	
412+25.94	5	12							0	7	0	0	0	
413+31.54	100	2							0	0	22	0	34	
413+84.34	10	12							0	13	0	0	0	
416+48.34	20	12							0	0	0	27	7	
417+53.94	10	12							0	13	0	0	0	
419+12.34	40	12							0	0	0	53	14	
420+17.94	14	12							0	0	19	0	0	
421+23.54	5	12							0	7	0	0	0	
421+76.34	9	12				12	0	0					0	
422+81.94	5	12				7	0	0					0	
423+87.54	50	6				0	0	33					17	
425+45.94	5	12				7	0	0					0	
425+98.74	5	12				7	0	0					0	
427+04.34	5	12				7	0	0					0	
428+62.74	5	12				7	0	0					0	
429+68.34	10	12				13	0	0					0	
430+73.94	5	12				7	0	0					0	
<b>SHEET 5 TOTAL:</b>			0	0	0	90	20	94	0	74	60	134	102	

## PATCHING TOTALS

	CLASS C, TY II, 12"	CLASS C, TY III, 12"	CLASS C, TY IV, 12"	CLASS C, TY II, 14"	CLASS C, TY III, 14"	CLASS C, TY IV, 14"	CLASS C, TY I, 17"	CLASS C, TY II, 17"	CLASS C, TY III, 17"	CLASS C, TY IV, 17"	TIE BARS (NO.6)
	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH
SHEET 1 TOTAL:	0	0	0	252	70	136	2	60	0	45	194
SHEET 2 TOTAL:	91	88	227	202	60	227	0	0	0	0	162
SHEET 3 TOTAL:	242	99	520	84	0	654	0	0	0	0	345
SHEET 4 TOTAL:	134	80	380	48	16	50	4	158	40	247	306
SHEET 5 TOTAL:	0	0	0	90	20	94	0	74	60	134	102
<b>GRAND TOTAL:</b>	<b>467</b>	<b>267</b>	<b>1127</b>	<b>676</b>	<b>166</b>	<b>1161</b>	<b>6</b>	<b>292</b>	<b>100</b>	<b>426</b>	<b>1109</b>

MODEL: Schedule-WB Patching 3 (Sheet)  
FILE NAME: c:\p\work\12\104RS-8\104RS-8-Schedule.dgn

USER NAME = Michaela.Montgomery	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PATCHING SCHEDULE CONT'D</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	DRAWN -	REVISED -		SCALE:	SHEET 7	OF 8	SHEETS	STA.	TO STA.	885	104RS-8	Union	18	16
PLOT DATE = 4/23/2026	DATE -	REVISED -						CONTRACT NO. 78B60						

ILLINOIS FED. AID PROJECT

## PAVEMENT MARKING SCHEDULE

LOCATION			THERMOPLASTIC PAVEMENT MARKING										
STA TO STA			LENGTH	LINE - 4" WHITE	LINE - 4" YELLOW			LINE-24" WHITE	LETTERS & SYMBOLS	RRPM	RRPM REM	COMMENTS	
				SOLID	SOLID LT	SOLID RT	SKIP - DASH	FOOT	SQ FT	EACH	EACH		
FAP 885/ IL 146			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	EACH	EACH	COMMENTS	
438+27.50	TO	437+77.50	50.00	100			12.5	29		1	1	INTERSECTION	
437+77.50	TO	437+27.50	50.00	100			12.5			1	1		
437+27.50	TO	434+33.10	294.40	588.8	264		73.6			4	4		
434+33.10	TO	434+08.60						72	122.4			RAILROAD	
434+08.60	TO	377+60.00	5648.60	11297.2		581	1412.2			71	71		
377+60.00	TO	376+92.00	68.00	136			17.0			1	1	BRIDGE	
376+92.00	TO	293+54.40	8337.60	16675.2	1531.2	2376	2084.4			105	105		
293+54.54 AH	=	294+85.8 BK										STATION EQUATION	
294+85.80	TO	271+00.00	2385.80	4771.6			596.5			30	30		
271+00.00	TO	266+00.00	500.00	1000			125.0			7	7		
266+00.00	TO	265+34.00	66.00	132			16.5			1	1	BRIDGE	
265+34 AH	=	265+27.6 BK										STATION EQUATION	
265+27.60	TO	163+01.20	10226.40	20452.8	748	748	2556.6			128	128		
163+01.2 AH	=	185+28 BK										STATION EQUATION	
185+28.00	TO	181+15.00	413.00	826	403	403	103.3			6	6		
<b>Total:</b>			56079.6	2946.2	4108	7010.0	101	122.4	355	355			
70144													

## TEMPORARY PAVEMENT MARKING SCHEDULE

LOCATION			THERMOPLASTIC PAVEMENT MARKING								TEMP MARKING	SHORT TERM PAVEMENT MARKING	SHORT TERM REMOVAL	
STA TO STA			LENGTH	LINE - 4" WHITE	LINE - 4" YELLOW			LINE-24" WHITE	LETTERS & SYMBOLS	REM (GRINDING)	PAVEMENT MARKING	REMOVAL	COMMENTS	
				SOLID	SOLID LT	SOLID RT	SKIP - DASH	FOOT	SQ FT	SQ FT	FOOT	SQ FT		
FAP 885/ IL 146			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT	FOOT	SQ FT	COMMENTS	
438+27.50	TO	437+77.50	50.00	100			12.5	29		5.2	15.0	5.0	INTERSECTION	
437+77.50	TO	437+27.50	50.00	100			12.5			4.2	15.0	5.0		
437+27.50	TO	434+33.10	294.40	588.8	264		73.6			34.3	88.3	29.4		
434+33.10	TO	434+08.60						72	122.4	125.1			RAILROAD	
434+08.60	TO	377+60.00	5648.60	11297.2		581	1412.2			492.2	1694.6	564.9		
377+60.00	TO	376+92.00	68.00	136			17.0			5.7	20.4	6.8	BRIDGE	
376+92.00	TO	293+54.40	8337.60	16675.2	1531.2	2376	2084.4			839.5	2501.3	833.8		
293+54.54 AH	=	294+85.8 BK											STATION EQUATION	
294+85.80	TO	271+00.00	2385.80	4771.6			596.5			198.8	715.7	238.6		
271+00.00	TO	266+00.00	500.00	1000			125.0			41.7	150.0	50.0		
266+00.00	TO	265+34.00	66.00	132			16.5			5.5	19.8	6.6		
265+34 AH	=	265+27.6 BK											STATION EQUATION	
265+27.60	TO	163+01.20	10226.40	20452.8	748	748	2556.6			907.6	3067.9	1022.6		
163+01.2 AH	=	185+28 BK											STATION EQUATION	
185+28.00	TO	181+15.00	413.00	826	403	403	103.3			64.3	123.9	41.3		
<b>Total:</b>			56079.6	2946.2	4108	7010.0	101	122.4	2725	8412	2804			
70144														

MODEL: PVT MKGS (Sheet)  
FILE NAME: c:\p\work\wifid\michaela.montgomery\181389\0978860-ShtE-Schedule.dgn

USER NAME = Michaela.Montgomery	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/23/2026	DATE -	REVISED -

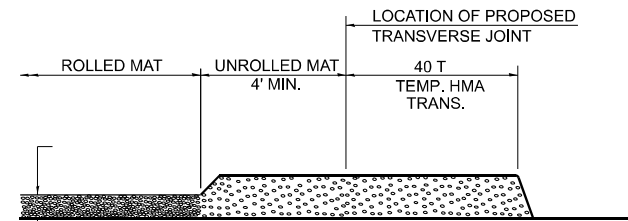
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SCHEDULES**

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

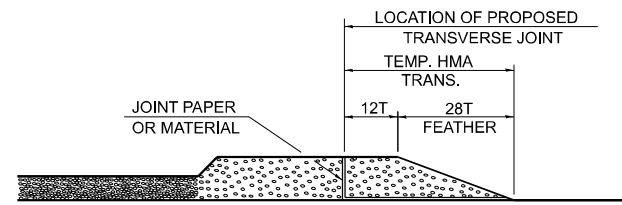
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-8	Union	18	17
CONTRACT NO. 78B60				
ILLINOIS FED. AID PROJECT				

## TEMPORARY HOT-MIX ASPHALT TRANSITIONS



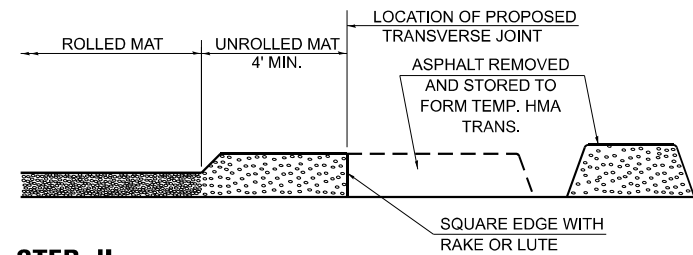
### STEP I

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.



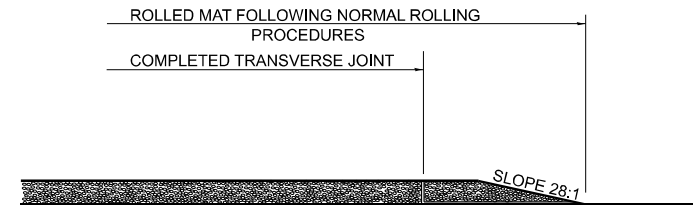
### STEP III

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.



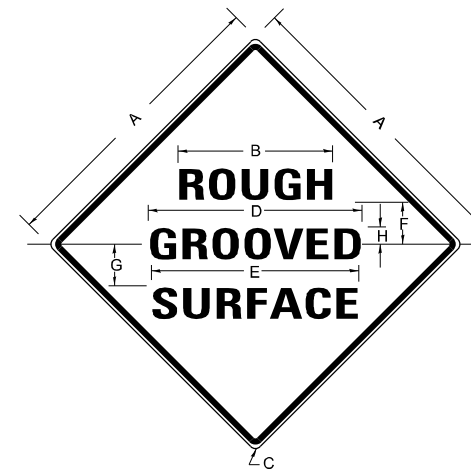
### STEP IV

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

## 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.

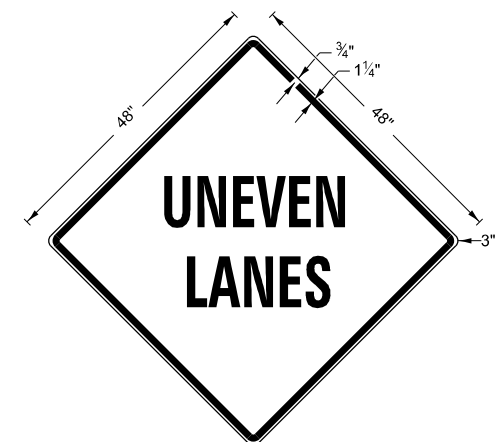
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMP HMA TRANSITIONS, ROUGH GROOVED SURFACE, BUTT JOINT  
UNEVEN LANES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-8	Union	18	18
CONTRACT NO. 78B60				
ILLINOIS FED. AID PROJECT				

MODEL: Detail-1 (Sheet)  
FILE NAME: c:\p\work\w\w\michaela.montgomery\1181389\0978860-Shs-District\Sigs.dgn

USER NAME = Michaela.Montgomery	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/23/2026	DATE -	REVISED -