

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-7	UNION	25	1
		ILLINOIS	CONTRACT NO. 78970	

FOR INDEX OF SHEETS, SEE SHEET NO. 3  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-8

# PROPOSED HIGHWAY PLANS

FAP ROUTE 885 (IL 146 / IL 127)  
SECTION 104RS-7  
PROJECT NHPP-414M(839)  
DESIGNED OVERLAY  
UNION COUNTY

C-99-013-23

## TRAFFIC DATA

IL 146 / IL 127			
	2021	2023	2043
PV =	6,535	6,665	8,135
SU =	300	305	375
MU =	500	510	620
ADT =	7,335	7,480	9,130

EQUATION STATIONS: IL 127 / IL 146  
EO. STA. 56+35.80 (BK.) = STA. 56+34.10 (AH.)  
EO. STA. 137+81.68 (BK.) = STA. 137+85.10 (AH.)

OMISSION STATIONS: IL 127 / IL 146  
STA. 117+21 TO STA. 117+81 (S.N. 091-2012)  
STA. 160+15 TO STA. 161+92.82 (S.N. 091-0072)

## TOWNSHIPS JONESBORO

DESIGN DESIGNATION: RESURFACING (DESIGN OVERLAY)

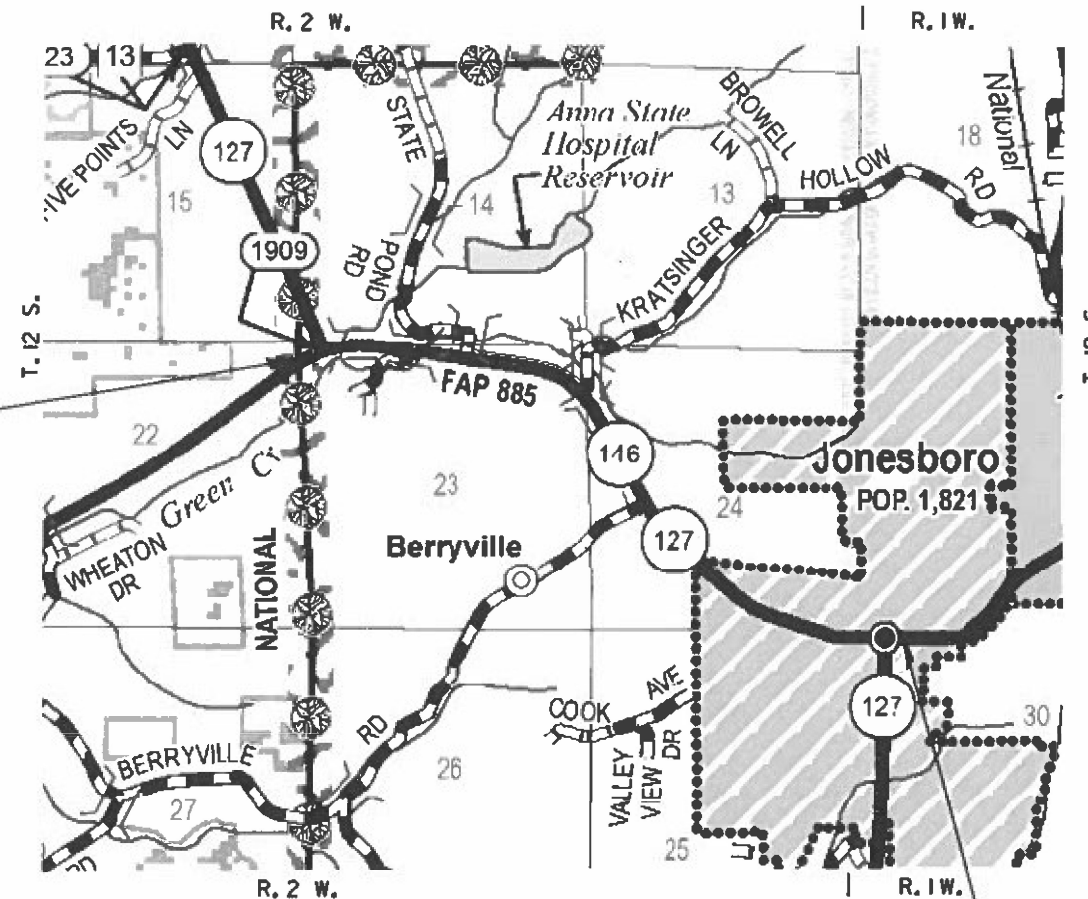
PROJECT ENDS ON IL 146 NEAR IL 127  
WEST OF JONESBORO AT STA. 181+13

POSTED SPEED : 30, 40, 50 & 55 MPH

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

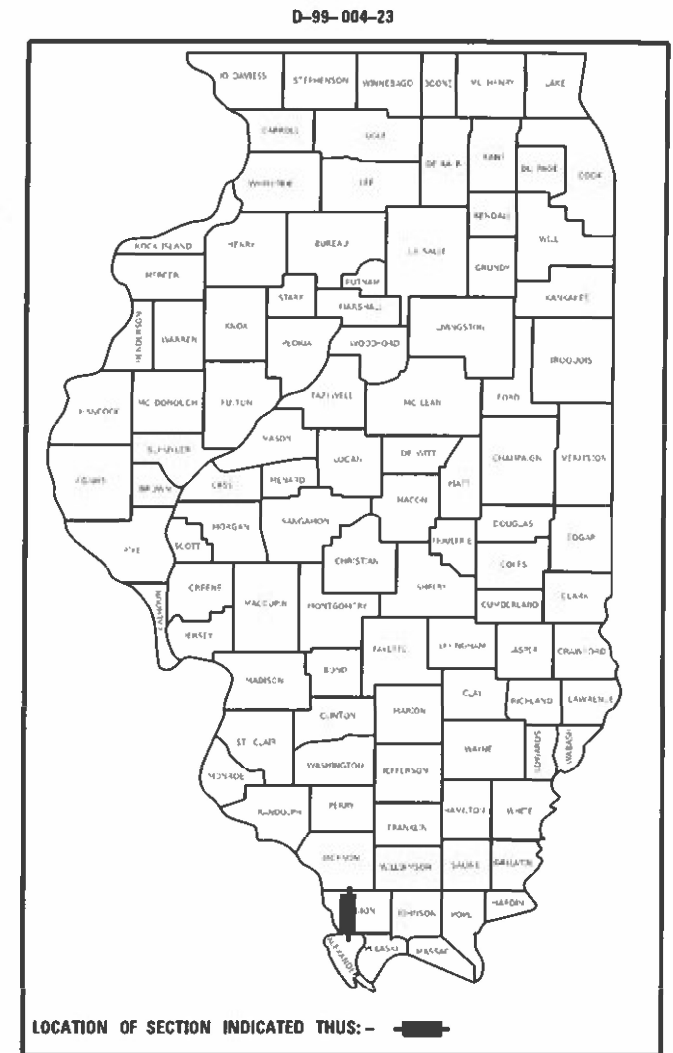
PROJECT ENGINEER VALERIE ROLLA - (618) 351-5214  
PROJECT DESIGNER JOHN A. BRANDON - (618) 351-5319

CONTRACT NO. 78970



GROSS LENGTH = 13770.28 FT. = 2.61 MILES  
NET LENGTH = 13532.46 FT. = 2.56 MILES

PROJECT BEGINS ON IL 146 STA. 43+41  
AT THE JONESBORO SQUARE



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED July 11 2023  
Kirk H. Brown  
REGION FIVE ENGINEER  
August 18, 2023  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT  
August 18, 2023  
[Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

MODEL: E:\msh\in [Sheet] FILE NAME: C:\Users\john.a.brandon\OneDrive\Documents\DOT Office\District 7\ORD - 7\1211191720\CADData\CADSheet\0718170-501-Cover\_Eng.dgn

Prepared By: Charles Stein  
DISTRICT STUDIES & PLANS ENGINEER

Examined By: Nancy Lee  
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Con Nicks  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: [Signature]  
DISTRICT OPERATIONS ENGINEER

Examined By: Dave A. [Signature]  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Dave A. [Signature]  
DISTRICT CONSTRUCTION ENGINEER

Examined By: Aan [Signature]  
DISTRICT MATERIALS ENGINEER

USER NAME = John.A.Brandon	DESIGNED -	REVISED -
PLOT SCALE = 0.36666633' / in.	DRAWN -	REVISED -
PLOT DATE = 6/26/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

SCALE: NO SCALE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ROUTE	SECTION	COUNTY	25	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. CNT. NO.	

## INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS
4	MTD CROSSING RESTRICTIONS TABLE & HMA MIXTURE REQUIREMENTS TABLE
5-8	SUMMARY OF QUANTITIES
9-14	TYPICAL SECTIONS: IL 146 / IL 127
15-19	SCHEDULES
20	DETAILS: SIDE ROADS AND ENTRANCE DETAIL
21	DETAILS: PAVEMENT TRANSITION DETAIL
22	DETAILS: SHORT RADIUS GUARDRAIL DETAIL
23	DETAILS: TEMP HMA TRANSITIONS
24	DETAILS: UNEVEN LANES
25	DETAILS: ROUGH GROOVED SURFACE

## HIGHWAY STANDARDS

000001-08\_STANDARDSYMBOLSABBREVIATIONS-PATTERNS-001  
 001001-02\_AREASOFREINFREBARS  
 001006\_DECIMALOFINCH-FOOT  
 420001-10\_PAVEMENTJOINTS  
 420701-03\_PAVEMENTWELDEDWIREREINFORCEMENT  
 442201-03\_CLASSC-DPATCHES  
 630001-12\_STEELPLATEBEAMGRDRAIL  
 630101-10\_STRONGPOSTGUARDRAILATTACHEDTOCULV  
 630111-01\_WEAKPOSTGUARDRAILATTACHEDTOCULVERT  
 631011-10\_TRAFBARTERMTYPE2  
 631031-18\_TRAFBARTERMTYPE6  
 642006-01\_SHOULDERRUMBLESTRIP8IN-240  
 701001-02\_OFFRDOP-2L2W-15FTMINFROMEOP  
 701006-05\_OFFRDOP-2L2W-15FTTOEOP  
 701011-04\_OFFRDMOVINGOP-2L2W-DAYONLY  
 701301-04\_LNCLOSURE2L2W-SHORTTIMEOP  
 701306-04\_LNCLOSURE2L2W-SLOWMOVEOPDAYONLY45MPHORMORE  
 701311-03\_LNCLOSURE2L2W-MOVINGOPDAYONLY  
 701336-07\_LNCLOSURE2L2W-WORKAREASIN SERIES45MPHORMORE  
 701501-06\_URBANLNCLOSURE2L2W-UNDIVIDED  
 701701-10\_URBANLNCLOSUREMULTILNINTERSECTION  
 701901-08\_TRAFCNTRLDEVICES  
 725001-01\_OBJECTANDTERMINALMARKERS  
 780001-05\_TYPICALPVMTMRKINGS  
 781001-04\_TYPICALAPPRAISEDREFLCPVMTMRKRS  
 782006-01\_GUARDRAILANDBARRIERWALLREFLECTORMOUNTINGDEATILS  
 630301-09\_SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS

## 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

THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED HOT MIX ASPHALT SURFACE AT 300 FT INTERVALS ON ALTERNATING SIDES OF THE PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL, OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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

VIBRATORY ROLLERS WILL NOT BE ALLOWED WITHIN THE CORPORATE LIMITS OF JONESBORO, IL

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

COMMITMENTS: **NONE**

REV. - MS

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SCALING SCALE SHEET OF SHEETS STA. TO STA.					ILLINOIS FED. AID PROJECT CONTRACT NO. 78970				



# SUMMARY OF QUANTITIES

COUNTY:	UNION	UNION	UNION
ROUTE:	(FAP 885) IL 146/127	(FAP 885) IL 146/127	(FAP 885) IL 146/127
FUNDING:	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% CITY
LOCATION:	RURAL	URBAN	URBAN
TOTAL QUANTITY	ROADWAY 0005	ROADWAY 0005	ROADWAY 0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RURAL ROADWAY 0005	URBAN ROADWAY 0005	URBAN ROADWAY 0005
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	32,282	21,909	9,694	679
40600370	LONGITUDINAL JOINT SEALANT	FOOT	15,952	9,736	6,216	
40600990	TEMPORARY RAMP	SQ YD	1,323	744	579	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	5,036	3,096	1,813	127
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	3,406	2,111	1,210	85
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	133	133		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	26,819	26,819		
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	20,432	5,071	14,356	1,005
44200050	WELDED WIRE REINFORCEMENT	SQ YD	464	429	35	
44201385	CLASS C PATCHES, TYPE I, 13 INCH	SQ YD	14	14		
44201389	CLASS C PATCHES, TYPE II, 13 INCH	SQ YD	500	430	70	
44201394	CLASS C PATCHES, TYPE III, 13 INCH	SQ YD	248	213	35	
44201396	CLASS C PATCHES, TYPE IV, 13 INCH	SQ YD	217	217		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	429	429		

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REV. - MS

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			SCALING SCALE	SHEET OF SHEETS	STA. TO STA.

# SUMMARY OF QUANTITIES - CONT

COUNTY:	UNION	UNION	UNION
ROUTE:	(FAP 885) IL 146/127	(FAP 885) IL 146/127	(FAP 885) IL 146/127
FUNDING:	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% CITY
LOCATION:	RURAL	URBAN	URBAN
	ROADWAY	ROADWAY	ROADWAY
	0005	0005	0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RURAL ROADWAY 0005	URBAN ROADWAY 0005	URBAN ROADWAY 0005
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1,531	1,531		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	237.5	237.5		
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	3,025	3,025		
* 63000019	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL, 6 FOOT (1.83M) POSTS	FOOT	317.2	317.2		
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	125	125		
* 63000050	WEAK POST GUARDRAIL ATTACHED TO CULVERT CASE I	FOOT	100	100		
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	5	5		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	12	12		
63200310	GUARDRAIL REMOVAL	FOOT	4,059	4,059		
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	15,402	15,402		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	5	5	
67100100	MOBILIZATION	L SUM	1.0	0.5	0.5	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	1.0		

\* SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NO SCALE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-7	UNION	25	6
CONTRACT NO. 78970				
ILLINOIS FED. AID PROJECT				

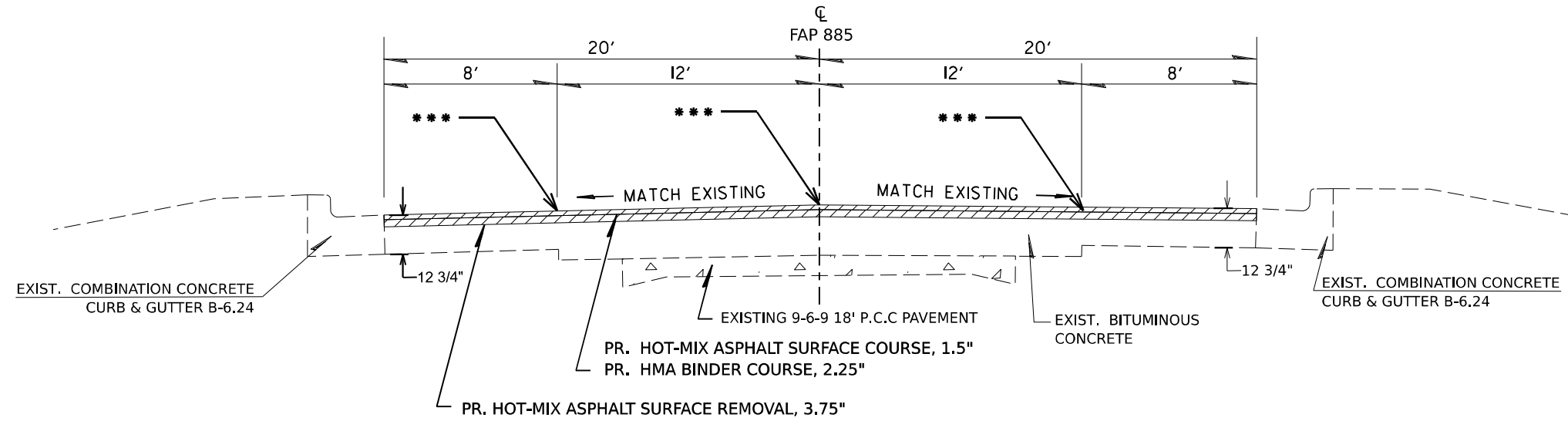




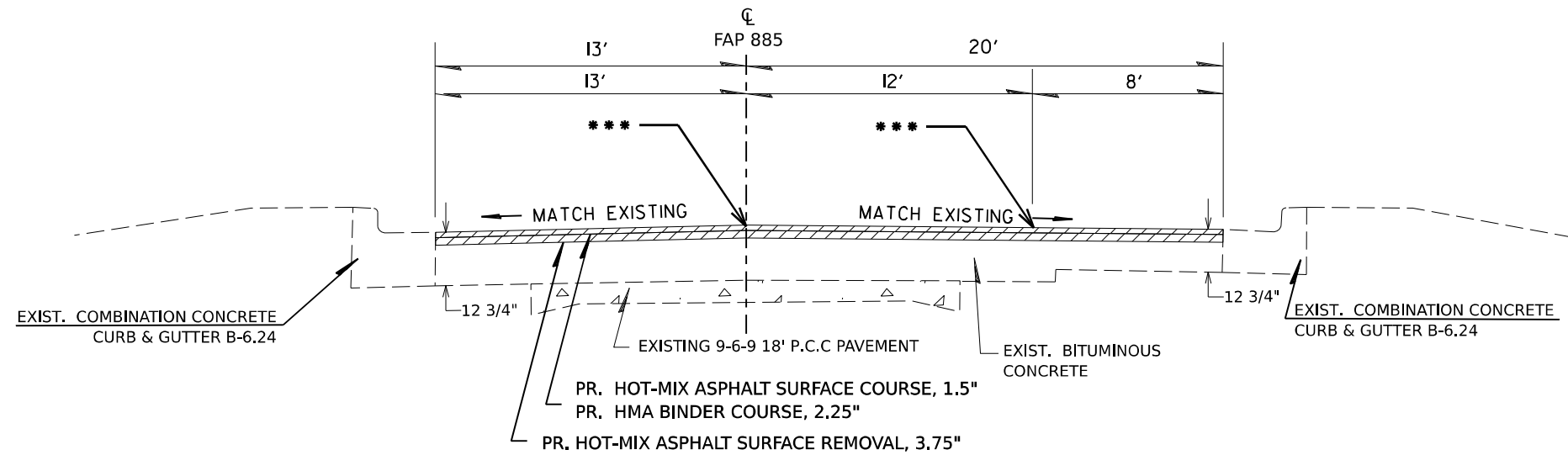




NOTE: \*\*\*  
 LONGITUDINAL JOINT SEALANT SHALL  
 BE APPLIED UNDER THE SURFACE COURSE.



TO BE USED  
 STA. 46+23 TO STA 51+37



TO BE USED  
 STA. 51+37 TO STA 52+39

NOTE: \*\*\*  
 LONGITUDINAL JOINT SEALANT SHALL  
 BE APPLIED UNDER THE SURFACE COURSE.

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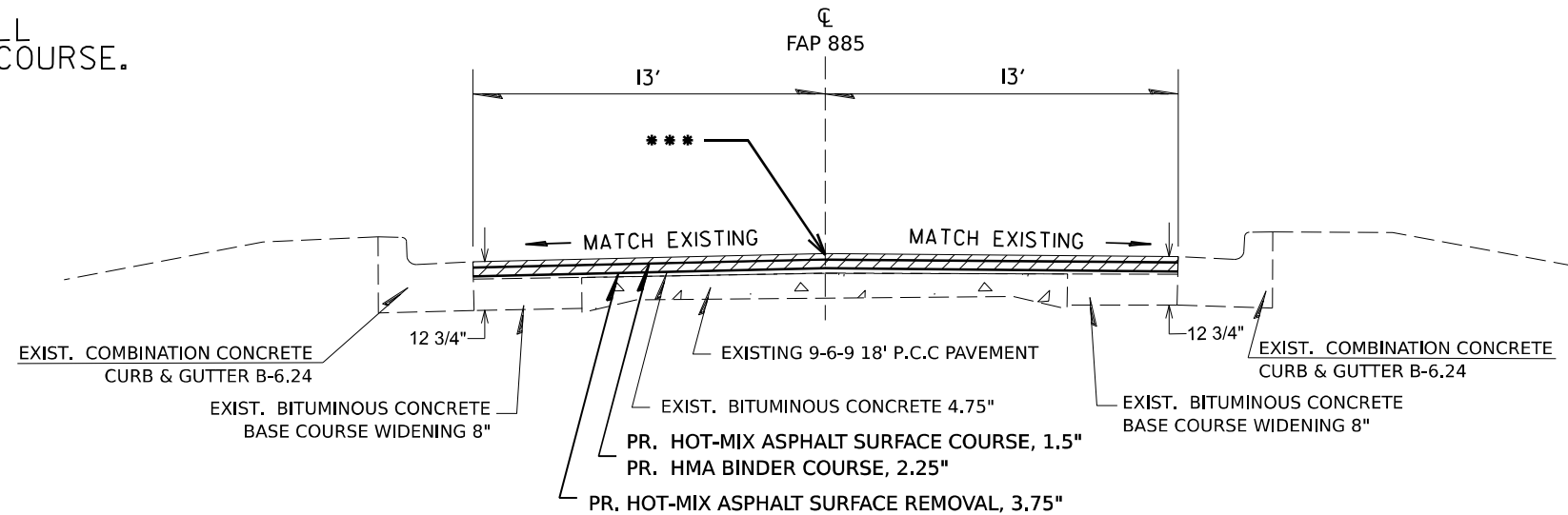
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

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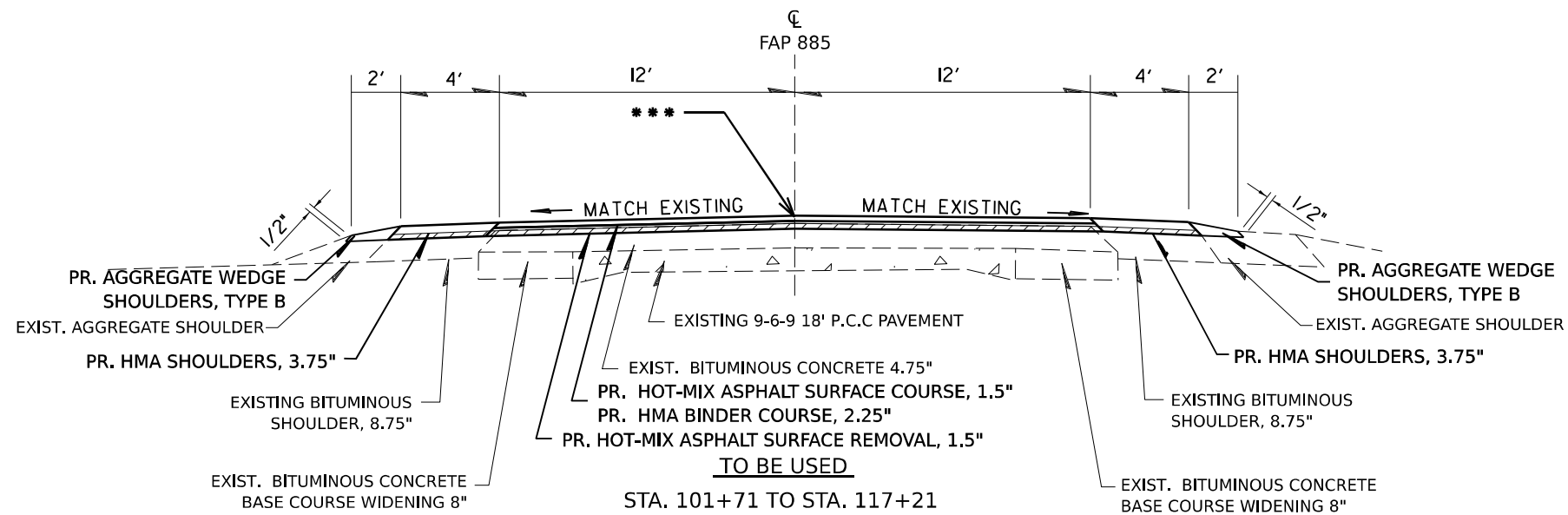
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CONTRACT NO. 78970				
ILLINOIS FED. AID PROJECT				

NOTE: \*\*\*  
 LONGITUDINAL JOINT SEALANT SHALL  
 BE APPLIED UNDER THE SURFACE COURSE.



**TO BE USED**

STA. 52+39 TO STA. 56+35.80  
 STA. EQ: STA. 56+35.80 (BK) = STA. 56+34.10 (AH)  
 STA. 56+34.10 TO STA 101+71



**TO BE USED**

STA. 101+71 TO STA. 117+21  
 OMISSION (SN 091-2012): STA. 117+21 TO STA. 117+81  
 STA. 117+81 TO STA. 137+81.68  
 STA. EQ: STA. 137+81.68 (BK) = STA. 137+85.10 (AH)  
 STA. 137+85.10 TO STA. 157+79  
 STA. 164+43 TO 170+35  
 STA. 173+00 TO STA. 177+55  
 STA. 180+25 TO STA. 181+13

NOTE: \*\*\*  
 LONGITUDINAL JOINT SEALANT SHALL  
 BE APPLIED UNDER THE SURFACE COURSE.

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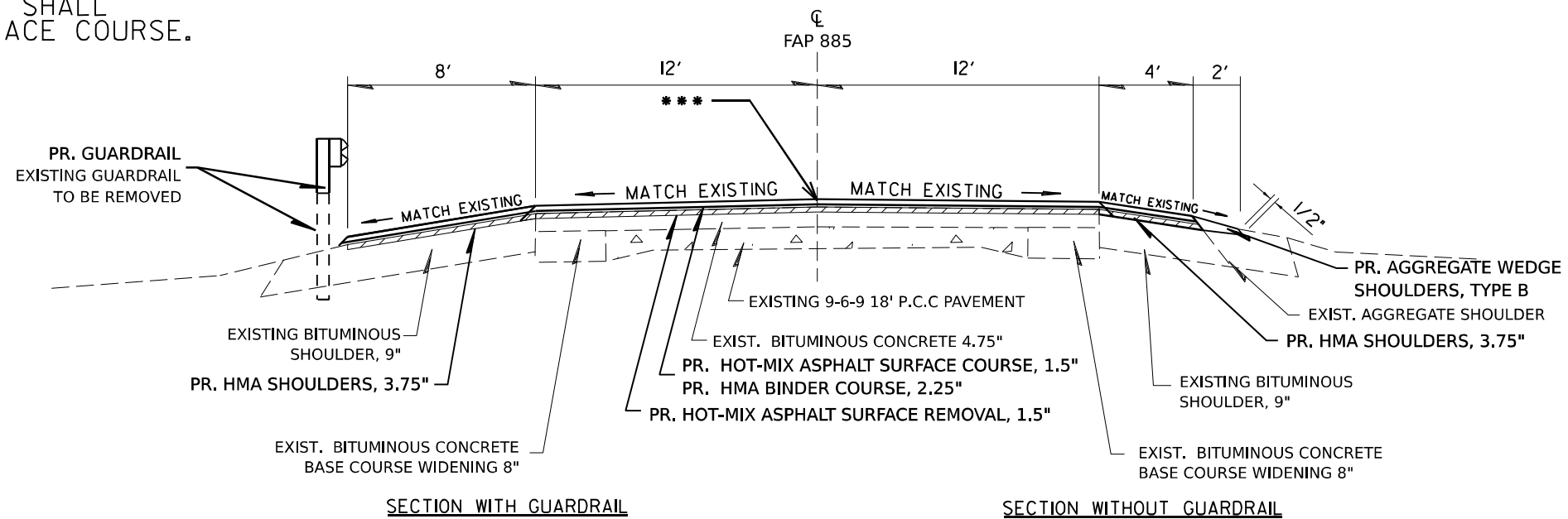
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 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

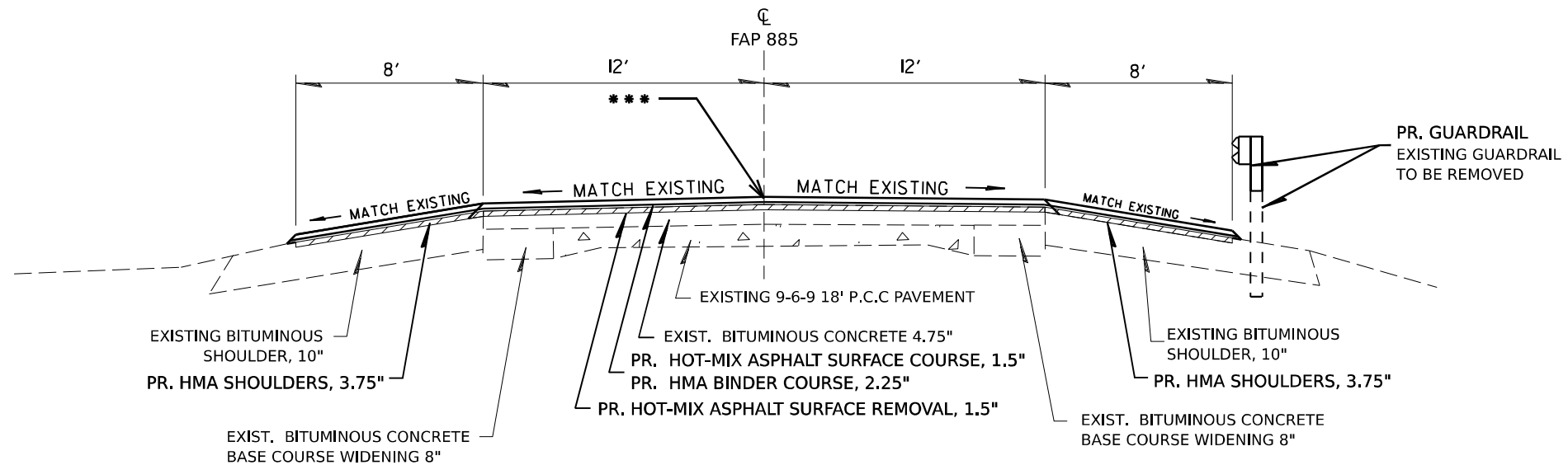
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-7	UNION	25	11
CONTRACT NO. 78970				
ILLINOIS FED. AID PROJECT				

NOTE: \*\*\*  
LONGITUDINAL JOINT SEALANT SHALL  
BE APPLIED UNDER THE SURFACE COURSE.



**TO BE USED**  
STA. 157+79 TO STA. 160+15  
OMISSION (SN 091-0072): STA. 160+15 TO STA. 161+92.82  
STA. 161+92.82 TO STA. 164+43



NOTE: \*\*\*  
LONGITUDINAL JOINT SEALANT SHALL  
BE APPLIED UNDER THE SURFACE COURSE.

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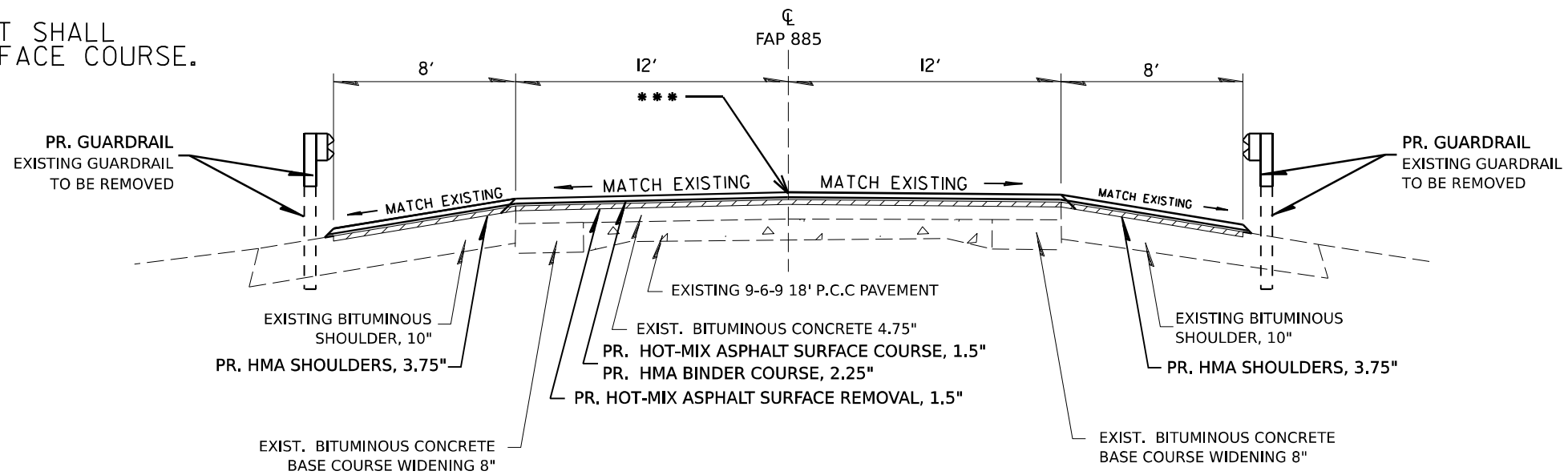
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DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

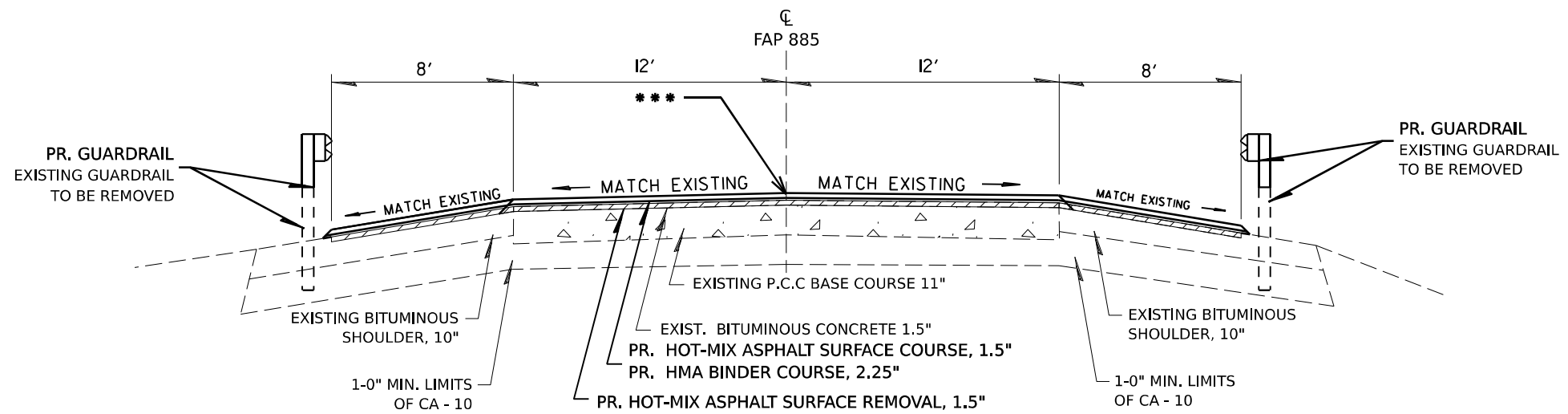
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-7	UNION	25	12
CONTRACT NO. 78970				
ILLINOIS FED. AID PROJECT				

NOTE: \*\*\*  
 LONGITUDINAL JOINT SEALANT SHALL  
 BE APPLIED UNDER THE SURFACE COURSE.



**TO BE USED**  
 STA. 170+92.5 TO STA. 171+89  
 STA. 172+73 TO STA. 173+00



**TO BE USED**  
 STA. 171+89 TO STA. 172+73

NOTE: \*\*\*  
 LONGITUDINAL JOINT SEALANT SHALL  
 BE APPLIED UNDER THE SURFACE COURSE.

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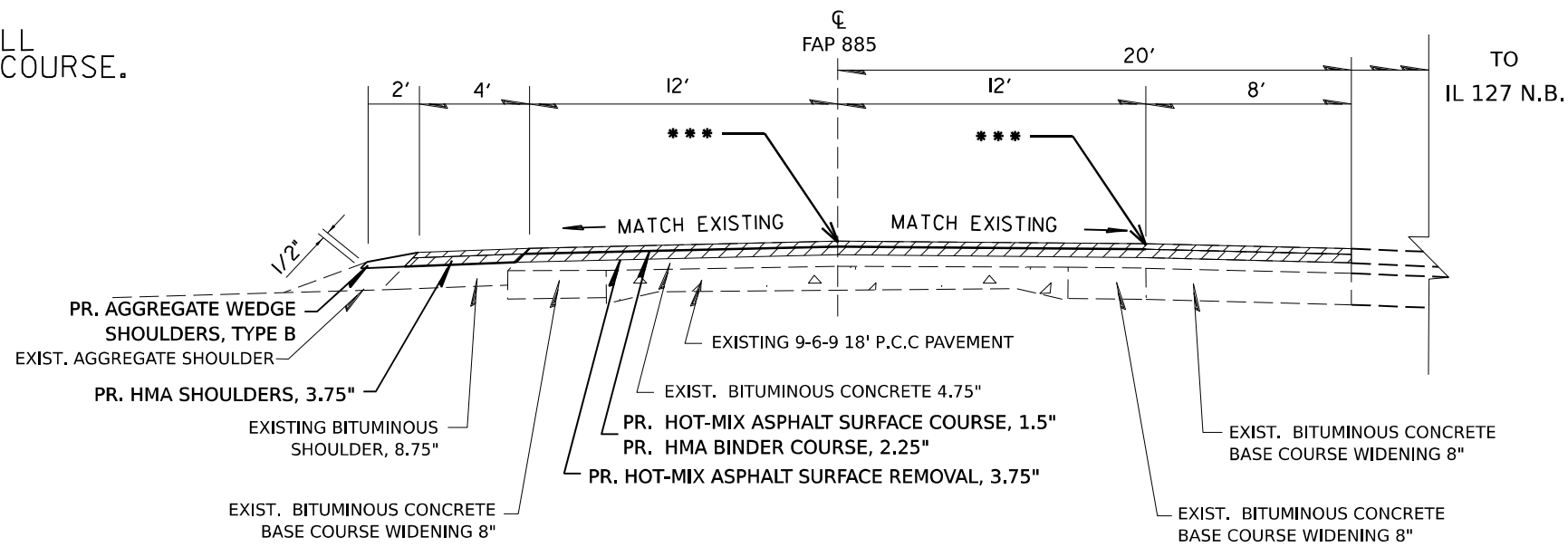
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 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

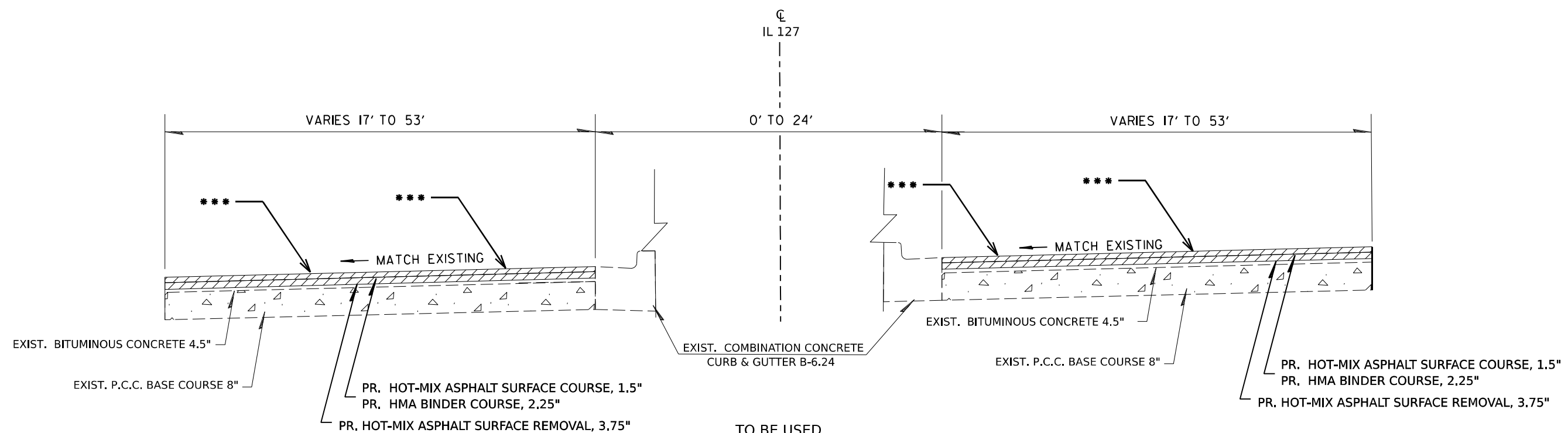
SCALE: SHEET OF 25 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-7	UNION	25	13
CONTRACT NO. 78970				
ILLINOIS FED. AID PROJECT				

NOTE: \*\*\*  
LONGITUDINAL JOINT SEALANT SHALL  
BE APPLIED UNDER THE SURFACE COURSE.



TO BE USED  
STA. 177+55 TO STA. 180+25  
STA. EQ: STA. 178+54.5 (IL 146) = STA. 762+80.1 (IL 127 N.B)



TO BE USED  
STA. 0+00 TO STA. 0+70  
(IL 127 - SOUTH OF THE JONESBORO SQUARE)

NOTE: \*\*\*  
LONGITUDINAL JOINT SEALANT SHALL  
BE APPLIED UNDER THE SURFACE COURSE.

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PLOT SCALE = 0.16666633 1/16 in.	DRAWN -	REVISED -
PLOT DATE = 7/7/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALING SCALE	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 885	SECTION 104RS-7	COUNTY UNION	TOTAL SHEETS 25	SHEET NO. 14
CONTRACT NO. 78970				
ILLINOIS FED. AID PROJECT				

## CLASS C PATCHING SCHEDULE

PATCH #	* M.P.	Width	Length	CLASS C PATCHES TY I 13"	CLASS C PATCHES TY II 13"	CLASS C PATCHES TY III 13"	CLASS C PATCHES TY IV 13"	WELDED WIRE REINFORCEMENT
		FT	FT	SQ YD	SQ YD	SQ YQ	SQ YD	SQ YD
1	0.0	13	5		7.2			
2	0.2	13	5		7.2			
3	0.3	13	5		7.2			
4	0.3	13	5		7.2			
5	0.4	13	6		8.7			
6	0.4	13	6		8.7			
7	0.5	13	12			17.3		17.3
8	0.5	13	12			17.3		17.3
9	0.6	13	5		7.2			
10	0.5	13	5		7.2			
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12	1.0	13	6		8.7			
13	1.0	13	10		14.4			
14	1.0	13	10		14.4			
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16	1.2	13	5		7.2			
17	1.2	13	5		7.2			
18	1.3	13	5		7.2			
19	1.3	13	5		7.2			
20	1.3	13	5		7.2			
21	1.4	4	10	4.4				
22	1.4	4	10	4.4				
23	1.4	4	10	4.4				
24	1.5	12	5		6.7			
25	1.5	12	5		6.7			
26	1.5	12	5		6.7			
27	1.5	12	5		6.7			
28	1.5	12	10		13.3			
29	1.5	12	10		13.3			
30	1.5	12	6		8.0			
31	1.5	12	6		8.0			
32	1.5	12	6		8.0			
33	1.6	12	6		8.0			
34	1.6	12	5		6.7			
35	1.6	12	5		6.7			
36	1.6	12	5		6.7			
37	1.6	12	5		6.7			
38	1.6	12	10		13.3			
39	1.6	12	10		13.3			
<b>SUB - TOTAL</b>				<b>13.2</b>	<b>288.8</b>	<b>34.6</b>	<b>0.0</b>	<b>34.6</b>

\* M.P. = APPROX. 0.0 AT THE WEST OF JONESBORO SQUARE

## - CONT. CLASS C PATCHING SCHEDULE

PATCH #	* M.P.	Width	Length	CLASS C PATCHES TY I 13"	CLASS C PATCHES TY II 13"	CLASS C PATCHES TY III 13"	CLASS C PATCHES TY IV 13"	WELDED WIRE REINFORCEMENT
		FT	FT	SQ YD	SQ YD	SQ YQ	SQ YD	SQ YD
40	1.6	12	13			17.3		17.3
41	1.6	13	13			18.8		18.8
42	1.6	13	13			18.8		18.8
43	1.7	13	13			18.8		18.8
44	1.7	13	6		8.7			
45	1.7	13	6		8.7			
46	1.7	13	6		8.7			
47	1.7	13	6		8.7			
48	1.7	13	8		11.6			
49	1.7	13	8		11.6			
50	1.7	13	8		11.6			
51	1.7	13	8		11.6			
52	1.7	13	8		11.6			
53	1.7	13	8		11.6			
54	1.7	13	25				36.1	36.1
55	1.7	13	10		14.4			
56	1.7	13	10		14.4			
57	1.7	13	12			17.3		17.3
58	1.7	13	12			17.3		17.3
59	1.8	13	5		7.2			
60	1.8	13	5		7.2			
61	1.9	13	6		8.7			
62	1.9	13	6		8.7			
63	1.9	4	40			17.8		17.8
64	1.9	4	80				35.6	35.6
65	1.9	13	6		8.7			
66	2.0	13	6		8.7			
67	2.0	13	15			21.7		21.7
68	2.0	13	15			21.7		21.7
69	2.1	13	15			21.7		21.7
70	2.1	13	15			21.7		21.7
71	2.2	13	5		7.2			
72	2.2	13	5		7.2			
73	2.3	13	5		7.2			
74	2.3	13	5		7.2			
75	2.4	13	25				36.1	36.1
76	2.4	13	25				36.1	36.1
77	2.4	13	25				36.1	36.1
78	2.4	13	25				36.1	36.1
<b>SUB - TOTAL</b>				<b>0.0</b>	<b>211.2</b>	<b>212.9</b>	<b>216.1</b>	<b>429.0</b>
<b>PROJECT TOTALS</b>				<b>14</b>	<b>500</b>	<b>248</b>	<b>217</b>	<b>464</b>

MODEL: PATCHING SCHEDULE (Sheet)  
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USER NAME = John.A.Brandon	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/16"	DRAWN -	REVISED -
PLOT DATE = 7/7/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCHEDULES

SCALE: NO SCALE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-7	UNION	25	15
CONTRACT NO. 78970				
ILLINOIS FED. AID PROJECT				

# RESURFACING SCHEDULE

LOCATION			LENGTH	AVERAGE WIDTH	PARKING LANE WIDTH	PAVED SHOULDER WIDTH	HMA SURFACE REMOVAL, 3 3/4"	HMA SURFACE REMOVAL, 1 1/2"	HMA BINDER COURSE, N70, IL-19.0, 2 1/4"	HMA SURFACE COURSE MIX "D", N70, 1 1/2"	HMA SHOULDERS, 3 3/4"	AGG WEDGE SHOULDERS, TYPE B	BITUMINOUS MATERIALS (TACK COAT)	MATERIAL TRANSFER DEVICE	LONGITUDINAL JOINT SEALANT	SHOULDER RUMBLE STRIPS, 8"	TEMP RAMP *	COMMENTS
STATION	TO	STATION	FOOT	FOOT	FOOT	FOOT	SQ YD	SQ YD	TON	TON	TON	TON	POUND	TON	FOOT	FOOT	SQ YD	
<b>IL 146</b>																		
43+41.00	TO	43+90.50	49.5	VARIES	0	0	382	0	49	33	0	0	258	82	150	0	79	BUTT JOINT
43+90.50	TO	45+59.80	169.3	VARIES	0	0	874	0	111	74	0	0	591	185	680	0	363	* E.B. & W.B. OF SQUARE
45+59.80	TO	46+23.00	63.2	VARIES	0	0	479	0	61	41	0	0	324	102	192	0	137	* E.B. & W.B. OF SQUARE
46+23.00	TO	51+37.00	514.0	24	16	0	2285	0	288	192	0	0	1543	480	1542	0		
51+37.00	TO	52+39.00	102.0	25	8	0	374	0	48	32	0	0	253	80	204	0		
52+39.00	TO	56+35.80	396.8	26	0	0	1147	0	145	97	0	0	775	242	397	0		
<b>STATION EQUATION STA. 56+35.80 (BK) = STA. 56+34.10 (AH)</b>																		
56+34.10	TO	86+85.00	3050.9	26	0	0	8814	0	1111	741	0	0	5950	1852	3051	0		
<b>JONESBORO CITY LIMITS</b>																		
86+85.00		101+70.00	1485.0	26	0	0	4290	0	541	361	0	0	2896	902	1485	0		
101+71.00	TO	102+16.00	45.0	24	0	8	160	0	16	11	9	4	108	27	45	90		PAVEMENT TRANSITION
102+16.00	TO	116+76.00	1460.0	24	0	8	0	5192	500	329	273	80	3505	829	1460	2920		
116+76.00	TO	117+21.00	45.0	24	0	8	0	160	5	16	6	4	108	21	45	90	79	BUTT JOINT
<b>SN 091-2012 - OMISSION</b>																		
117+81.00	TO	118+26.00	45.0	24	0	8	0	160	5	16	6	4	108	21	45	90	79	BUTT JOINT
118+26.00	TO	137+81.68	1955.7	24	0	8	0	6954	670	441	366	106	4694	1111	1956	3911		
<b>STATION EQUATION STA 137+81.68 (BK) = 137+85.10 (AH)</b>																		
137+85.10	TO	157+79.00	1993.9	24	0	8	0	7090	683	449	373	108	4786	1132	1994	3988		
157+79.00	TO	158+75.00	96.0	24	0	12	0	384	33	22	27	3	260	55	96	192		
158+75.00	TO	159+70.00	95.0	24	0	16	0	423	33	22	36	3	286	55	95	190		
159+70.00	TO	160+15.00	45.0	24	0	16	0	200	5	16	12	2	135	21	45	90	79	BUTT JOINT
<b>SN 091-0072 - OMISSION</b>																		
161+92.82	TO	162+37.82	45.0	24	0	16	0	200	5	16	12	2	135	21	45	90	79	BUTT JOINT
162+37.82	TO	162+82.00	44.2	24	0	16	0	197	16	10	17	2	133	26	45	88		
162+82.00	TO	164+43.00	161.0	24	0	12	0	644	56	37	46	5	435	93	161	322		
164+43.00	TO	170+35.00	592.0	24	0	8	0	2105	203	134	111	32	1421	337	592	1184		
170+35.00	TO	170+92.50	57.5	24	0	16	0	256	20	13	22	0	173	33	58	115		
170+92.50	TO	171+89.00	96.5	24	0	16	0	429	34	22	37	0	290	56	97	193		
171+89.00	TO	172+73.00	84.0	24	0	16	0	374	29	19	32	0	253	48	84	168		
172+73.00	TO	173+00.00	27.0	24	0	16	0	120	10	7	11	0	81	17	27	54		
173+00.00	TO	177+55.00	455.0	24	0	8	0	1618	156	103	85	26	1093	259	455	910		
177+55.00	TO	178+00.00	45.0	24	0	8	160	0	16	11	9	4	108	27	45	90		PAVEMENT TRANSITION
178+00.00	TO	179+80.00	180.0	32	0	4	720	0	82	54	17	5	486	136	360	360		
179+80.00	TO	180+25.00	45.0	24	0	8	160	0	16	11	9	4	108	27	90	90		PAVEMENT TRANSITION
180+25.00	TO	180+68.00	43.0	24	0	8	0	153	15	10	9	4	104	25	86	86		
180+68.00	TO	181+13.00	45.0	24	0	8	0	160	5	16	6	4	108	21	45	90	79	BUTT JOINT
<b>IL 127 (SOUTH OF SQUARE)</b>																		
0+00.00	TO	0+70.00	70.0	VARIES			586	0	69	50	0	0	396	119	280	0	79	BUTT JOINT
<b>TOTALS:</b>							20432	26819	5036	3406	1531	402	31904	8442	15952	15402	1053	

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USER NAME = John.A.Brandon	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/16"	CHECKED -	REVISED -
PLOT DATE = 7/7/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES**

SCALE NO SCALE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-7	UNION	25	16
CONTRACT NO. 78970				
ILLINOIS FED. AID PROJECT				





# GUARDRAIL SCHEDULE

LOCATION STATION TO STATION		LEFT OR RIGHT	STEEL PLATE BEAM GUARDRAIL TYPE A, 9 FOOT POSTS	STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FOOT POSTS	NON-BLOCKED STEEL PLATE BEAM GUARDRAIL	STRONG POST GUARDRAIL ATTACHED TO CULVERT	WEAK POST GUARDRAIL ATTACHED TO CULVERT CASE I	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL REMOVAL	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TERMINAL MARKERS - DIRECT APPLIED	COMMENTS
STA.	TO STA.		FOOT	FOOT	FOOT	FOOT	FOOT	EACH	FOOT	EACH	EACH	EACH	EACH	
<b>SN 091-2012</b>														
115+49.18	TO 118+80.43	RT	175.0				50.0	4	200.0			2	2	
116+17.57	TO 119+48.82	LT	87.5		28.2		50.0	4	137.5		1	1	1	10' RADIUS NW
<b>SN 091-7043</b>														
123+16.9	TO 125+35.65	RT	112.5		51.1			4	150.0			1	1	10' RADIUS NE
123+62.65	TO 125+81.4	LT	50.0		79.3			4	87.5		1			10' SW & 25' NW RADIUS
<b>SN 091-7042</b>														
127+09.81	TO 127+62.92	RT						8	475.0			1	1	
127+62.92	TO 137+81.68	RT	1018.8											
137+81.68	= 137+85.1													
137+85.1	TO 138+27.96	RT	146.2						1,500.0					
138+27.96	TO 149+37.96	RT	1110.0					8						
149+37.96	TO 149+91.06	RT							300.0			1	1	
<b>SN 091-0072</b>														
158+18.92	TO 158+68.92	RT							50.0			1	1	
158+68.92	TO 159+81.42	RT	112.5						112.5					
159+81.42	TO 160+14.57	RT						4	33.2	1				
161+53.41	TO 161+86.56	RT							33.2	1				
161+86.56	TO 162+36.56	RT	50.0						50.0					
162+36.15	TO 162+86.15	RT							50.0			1	1	
159+21.44	TO 159+71.44	LT							50.0			1	1	
159+71.44	TO 160+21.44	LT	50.0						50.0					
160+24.44	TO 160+54.59	LT						4	33.2	1				
162+07.54	TO 162+40.69	LT							33.2	1				
162+40.69	TO 163+53.19	LT	112.5						112.5					
163+53.19	TO 164+03.19	LT							50.0			1	1	
<b>SN 091-2026</b>														
170+50.	TO 1730+08.	RT						4.0	280.0					
170+33.75	TO 170+86.88	RT										1	1	
170+86.88	TO 171+99.38	RT		112.5										
171+99.38	TO 172+49.38	RT				50.0								
172+49.38	TO 172+86.88	RT		37.5										
172+86.88	TO 173+00.	RT			28.2						1			10' RADIUS NW
170+90.	TO 173+00.	LT						4.0	205.0					
170+84.16	TO 171+37.29	LT										1	1	
171+37.29	TO 172+12.29	LT		75.0										
172+12.29	TO 172+62.29	LT				50.0								
172+62.29	TO 172+74.79	LT		12.5										
172+74.79	TO 173+00	LT			51.1						1			25' RADIUS SW
<b>SN 091-7041</b>														
173+60.	TO 174+25.	LT						4.0	66.0					
173+60.	TO 174+25	LT			79.3	25.0								10' SE & 25' SW RADIUS
<b>TOTAL</b>			<b>3025</b>	<b>237.5</b>	<b>317.2</b>	<b>125</b>	<b>100</b>	<b>52</b>	<b>4059</b>	<b>4</b>	<b>5</b>	<b>12</b>	<b>12</b>	

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USER NAME = John.A.Brandon	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/16 in.	DRAWN -	REVISED -
PLOT DATE = 7/7/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCHEDULES

SCALING SCALE    SHEET    OF    SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-7	UNION	25	18
CONTRACT NO. 78970				
ILLINOIS FED. AID PROJECT				

# PAVEMENT MARKING AND RRPM SCHEDULE

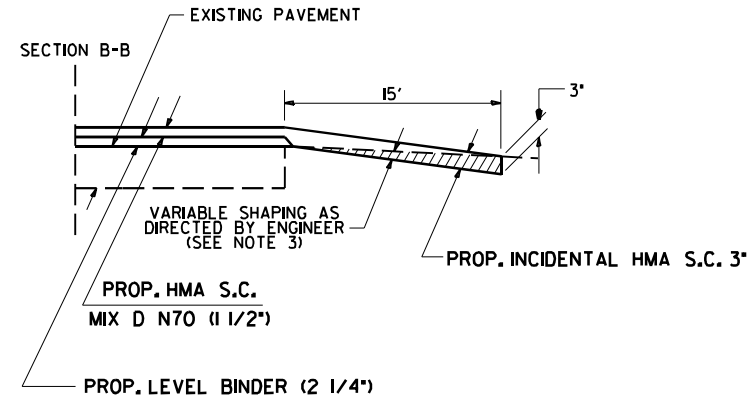
LOCATION STATION TO STATION				LENGTH	THEMOPLASTIC PAVEMENT MARKING						TEMPORARY PAVEMENT MARKING						PAVEMENT MARKING REMOVAL- GRINDNG	SHORT TERM PAVEMENT MARKING (* )	SHORT TERM PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE MARKER REMOVAL	COMMENTS	
					LINE-4"			LINE-12"	LINE-24"	LINE-4"			LINE-12"	LINE-24"									
					WHITE (E.O.P.)	YELLOW (C.L.)		WHITE SOLID	WHITE SOLID	WHITE (E.O.P.)	YELLOW (C.L.)		WHITE SOLID	WHITE SOLID									
					SOLID	SKIP- DASH	SOLID LT/RT	SOLID		SOLID	SKIP- DASH	SOLID LT/RT	SOLID										
				FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	SQ FT	EACH	EACH				
IL 146 / IL 127																							
	43+41.00	TO	43+90.00																		E. ISLAND STOP BAR		
	44+40.00	TO	44+70.00																		S. ISLAND STOP BAR		
	45+60.00	TO	45+90.00																		W. ISLAND STOP BAR		
<b>IL 127</b>	0+00.00	TO	0+70.00	70.0				280						280							S. ISLAND (D. YELLOW)		
	45+90.00	TO	46+90.00	100.0				400						400							W. ISLAND (D. YELLOW)		
	46+90.00	TO	49+75.00	285.0				570						570							DOUBLE YELLOW		
	49+75.00	TO	55+55.00	580.0		145	580	RT				145	580	RT							NO PASSING WEST BOUND		
	55+55.00	TO	56+35.80	80.8				162						162							DOUBLE YELLOW		
<b>STATION EQUATION STA 56+35.80 (BK) = STA 56+34.10 (AH)</b>																							
				STA: 56+58																		CROSS WALK	
	56+34.10	TO	59+23.00	288.9				578						578							DOUBLE YELLOW		
	59+23.00	TO	66+10.00	687.0		172	687	LT				172	687	LT							NO PASSING EAST BOUND		
	66+10.00	TO	71+38.00	528.0		132						132											
	71+38.00	TO	74+02.00	264.0		66	264	RT				66	264	RT							NO PASSING WEST BOUND		
	74+02.00	TO	79+30.00	528.0				1056						1056									
	79+30.00	TO	83+52.00	422.0		106	422	LT				106	422	LT							NO PASSING EAST BOUND		
	83+52.00	TO	86+85.00	333.0				666						666							JONESBORO CITY LIMITS		
	86+85.00	TO	87+22.00	37.0																			
	87+22.00	TO	94+60.00	738.0		185	738	RT				185	738	RT							NO PASSING WEST BOUND		
	94+60.00	TO	102+53.00	793.0				1586						1586									
	102+53.00	TO	103+06.00	53.0	106			106				106		106									
	103+06.00	TO	107+28.00	422.0	844	106	422	LT				844	106	422	LT						NO PASSING EAST BOUND		
	107+28.00	TO	114+15.00	687.0	1374	172						1374	172										
	114+15.00	TO	125+23.00	1108.0	2216	277	1108	RT				2216	277	1108	RT						NO PASSING WEST BOUND		
	125+23.00	TO	135+80.00	1057.0	2114			2114				2114		2114									
	135+80.00	TO	137+81.68	201.7	404	51	202	LT				404	51	202	LT								
<b>STATION EQUATION STA 137+81.68 (BK) = 137+85.10 (AH)</b>																							
	137+85.10	TO	139+00.00	114.9	230	29	115	LT				230	29	115	LT								
	139+00.00	TO	160+04.00	2104.0	4208	526						4208	526								EOP (LT & RT)		
	160+04.00	TO	160+15.00	11.0	22			22				22		22									
<b>SN 091-0072-OMISSION</b>																							
	161+92.82	TO	178+60.00	1667.2	3335			3335				3335		3335									
	178+60.00	TO	180+18.00	158.0	158			316				158		316							EOP (LT & RT)		
	180+18.00	TO	181+13.00	95.0	190			190				190		190							DOUBLE YELLOW		
<b>SUB-TOTALS</b>					15201	1967	4538		11381	104	96	15201	1967	4538		11381	104	96	11333	4112	1448	206	81
<b>PROJECT TOTALS</b>					33087				104	96	33087				104	96	11333	4112	1448	206	81		

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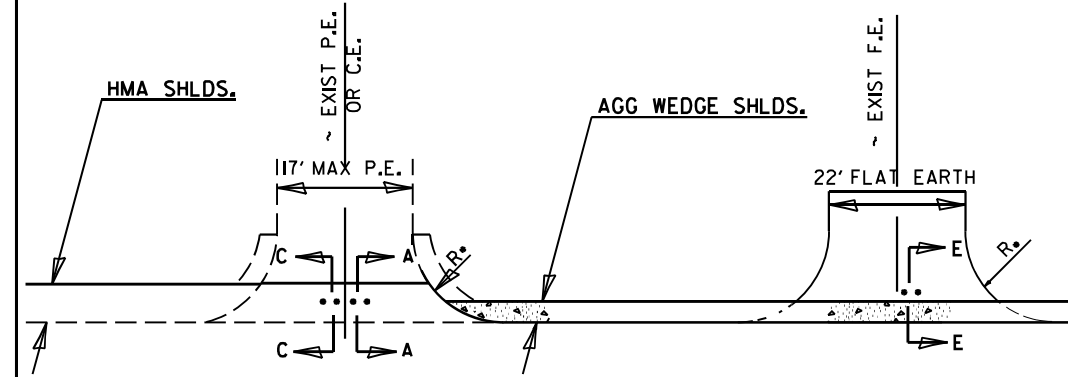
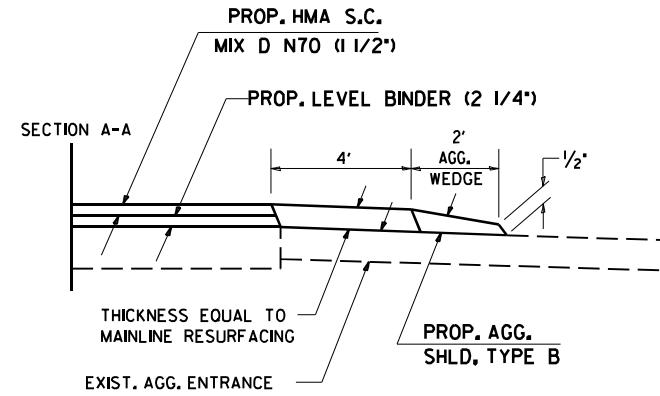
USER NAME = John.A.Brandon DESIGNED - DRAWN - PLOT SCALE = 0.16666633 1/16 in. CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULES</b>	F.A.P. RTE. 885 SECTION 104RS-7 COUNTY UNION TOTAL SHEETS 25 SHEET NO. 19 CONTRACT NO. 78970 ILLINOIS FED. AID PROJECT
SCALING SCALE SHEET OF SHEETS STA. TO STA.				

# SIDEROAD AND ENTRANCE DETAILS

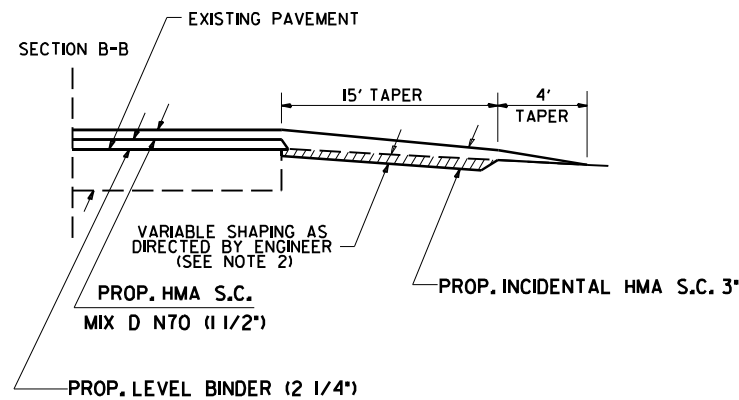
## EX. AGGREGATE SIDEROAD



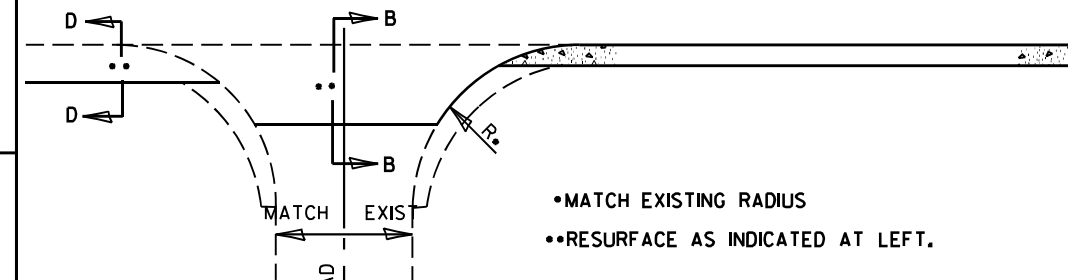
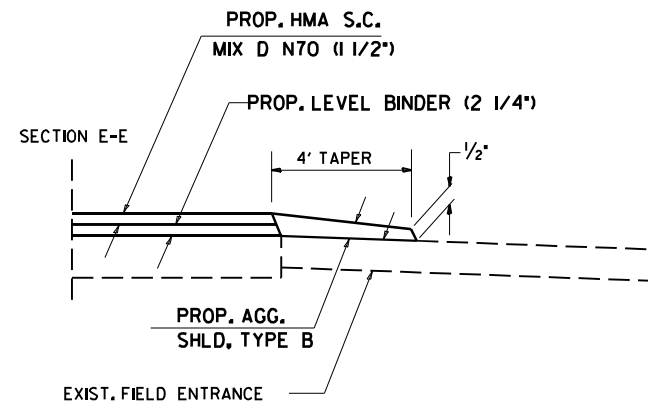
## AGG. PRIVATE OR COMMERCIAL ENTRANCE



## EX. OIL & CHIP SIDEROAD



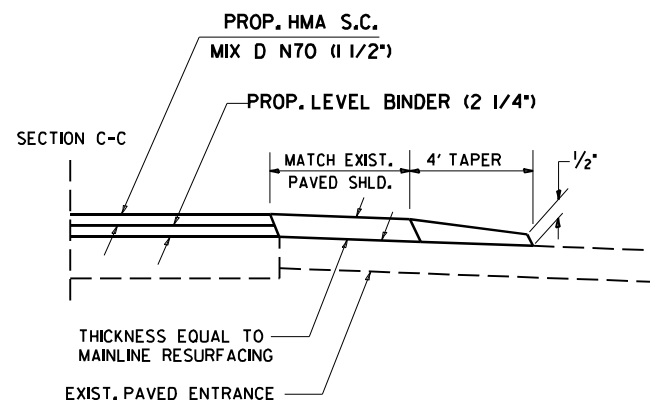
## AGG. OR EARTH FIELD ENTRANCE



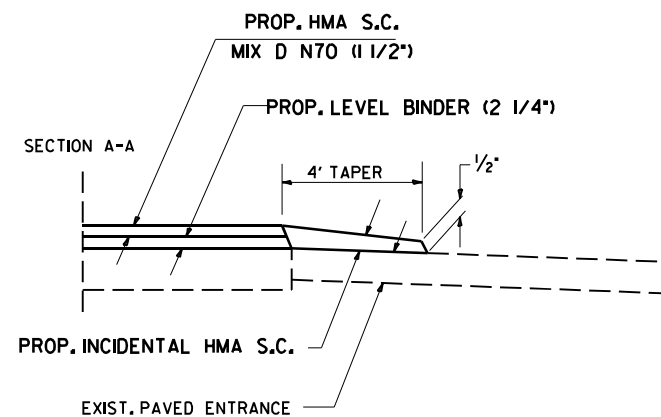
### ENTRANCE SCHEDULE

TYPE	NUMBER OF ENTRANCES
P.E.	7
C.E.	16

## HMA, PCC. OR OIL & CHIP PRIVATE OR COMMERCIAL ENTRANCE (HMA SHLD.)



## HMA, PCC. OR OIL & CHIP PRIVATE OR COMMERCIAL ENTRANCE



### 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. MILLING ALL ENTRANCES TO BE INCLUDED IN THE COST OF HOT-MIX-ASPHALT SURFACING.
3. VARIABLE SHAPING IS INCLUDED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACE.
4. INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE PERFORMED IN A SEPERATE OPERATION THAN MAINLINE HOT-MIX ASPHALT SURFACING.

MODEL: DETAIL 54 (Sheet)  
FILE NAME: \\p01000001\p01000001\DOT\Office\District 9\ORP Projects\78970\CADD\Drawings\Drawings\78970-SHW-Detail.dgn

USER NAME = John.A.Brandon	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/16"	CHECKED -	REVISED -
PLOT DATE = 7/7/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DETAILS: SIDE ROADS AND ENTRANCE DETAIL

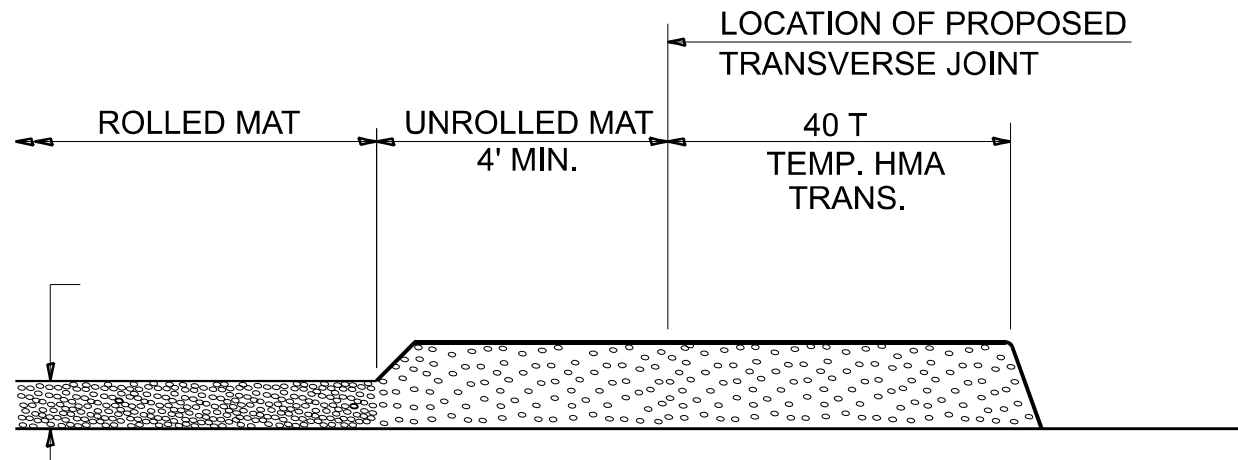
SCALE: NO SCALE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	104RS-7	UNION	25	20
CONTRACT NO. 78970				
ILLINOIS FED. AID PROJECT				



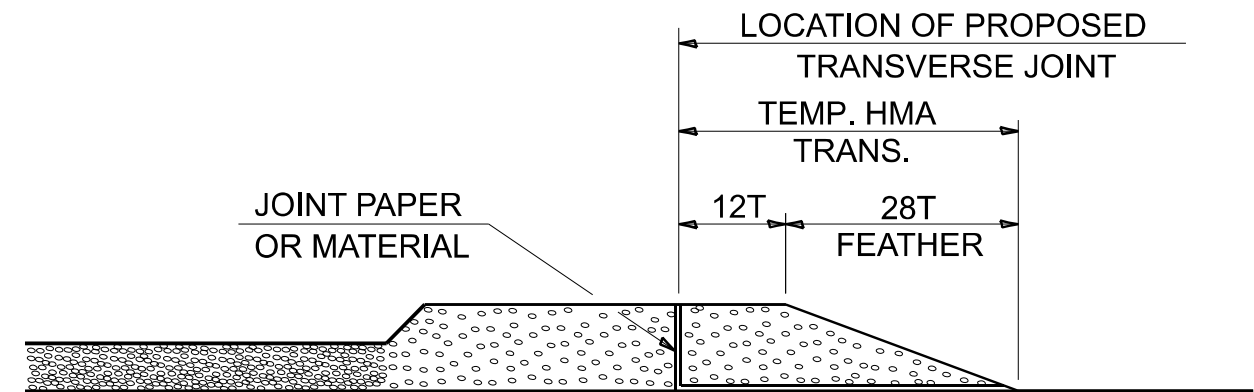


# TEMPORARY HOT-MIX ASPHALT TRANSITIONS



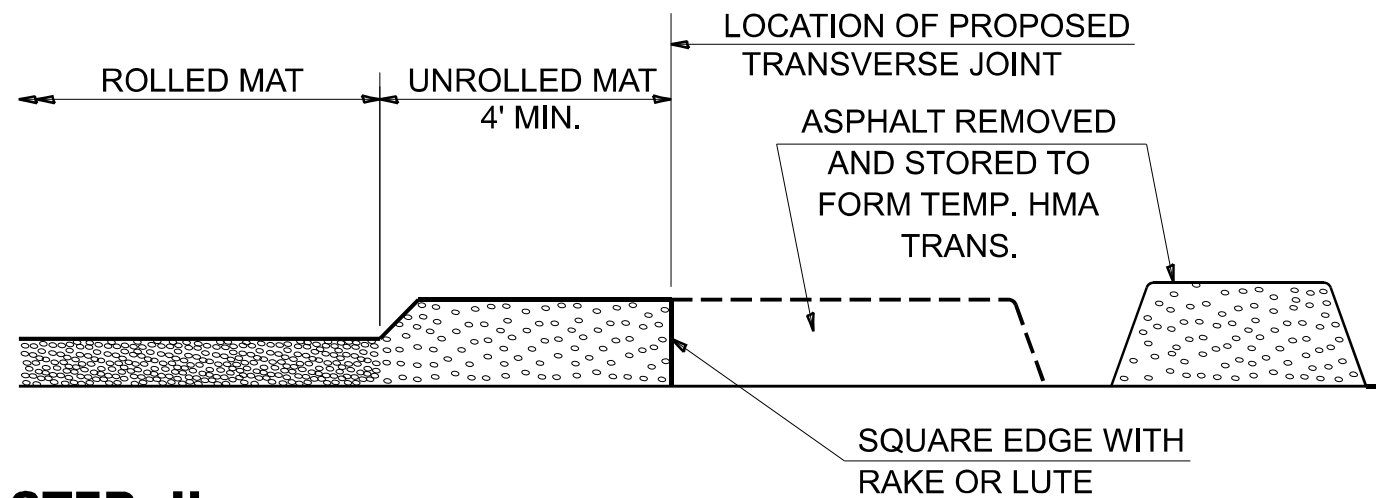
## STEP I

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.



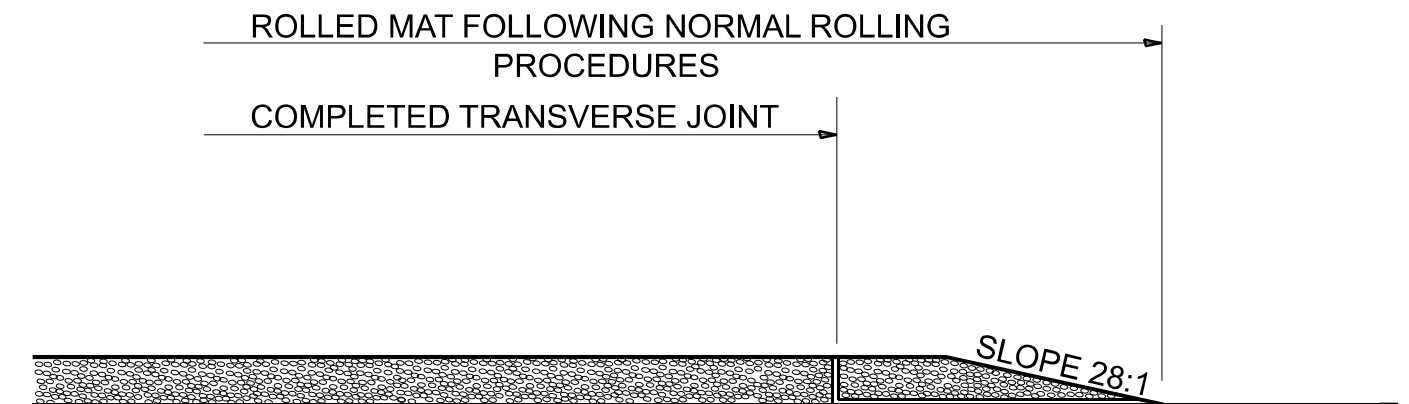
## STEP III

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.

STD. 9-18

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

MODEL: DETAIL 5.3 (Sheet)  
FILE NAME: \\p01000001\p01000001\DOT\Office\District 9\RD\Projects\78970\CADD\Drawings\0978970-SHW\Details.dgn

USER NAME = John,A,Brandon	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/1 in.	DRAWN -	REVISED -
PLOT DATE = 7/7/2023	CHECKED -	REVISED -
	DATE -	REVISED -

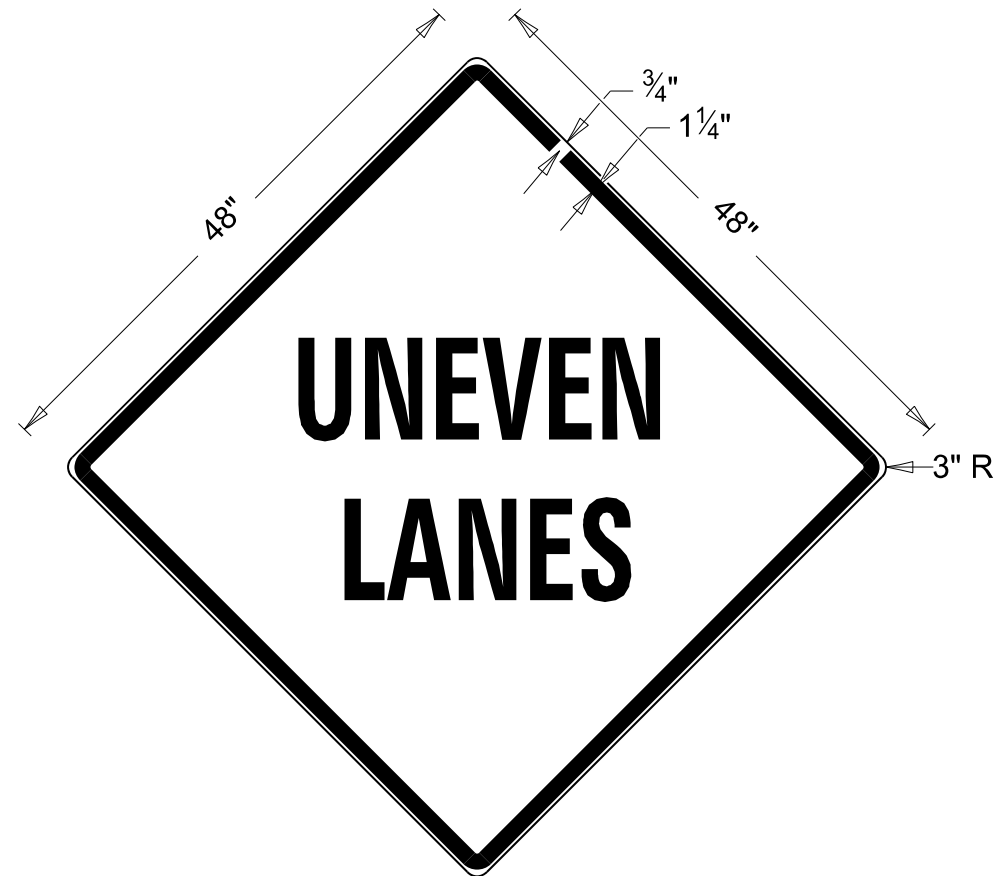
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS: TEMP HMA TRANSITIONS			
SCALING SCALE	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 885	SECTION 104RS-7	COUNTY UNION	TOTAL SHEETS 25	SHEET NO. 23
CONTRACT NO. 78970				
ILLINOIS FED. AID PROJECT				

# 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

MODEL: DETAIL E-1 (Sheet)  
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USER NAME = John,A,Brandon	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/1 in.	DRAWN -	REVISED -
PLOT DATE = 7/7/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS: UNEVEN LANES SIGN

SCALE: NO SCALE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 885	SECTION 104RS-7	COUNTY UNION	TOTAL SHEETS 25	SHEET NO. 24
CONTRACT NO. 78970				
ILLINOIS FED. AID PROJECT				



