

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	141-3-2)RS-2	JEFFERSON	19	1
		ILLINOIS	CONTRACT NO. 78600	

FOR INDEX OF SHEETS, SEE SHEET NO. 3  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5-8  
FOR STRUCTURAL PAVEMENT DESIGN INFORMATION, SEE SHEET NO. N/A

**PROPOSED  
HIGHWAY PLANS**

FAI ROUTE 57  
SECTION (41-3-2)RS-2  
PROJECT NHPH-H6N5(766)  
RESURFACING  
JEFFERSON COUNTY

**TRAFFIC DATA**

SEE SHEET 4

**TOWNSHIPS**

**SHILOH  
ROME**

PROJECT ENDS  
I-57 NB AND SB  
STATION 1105 + 82

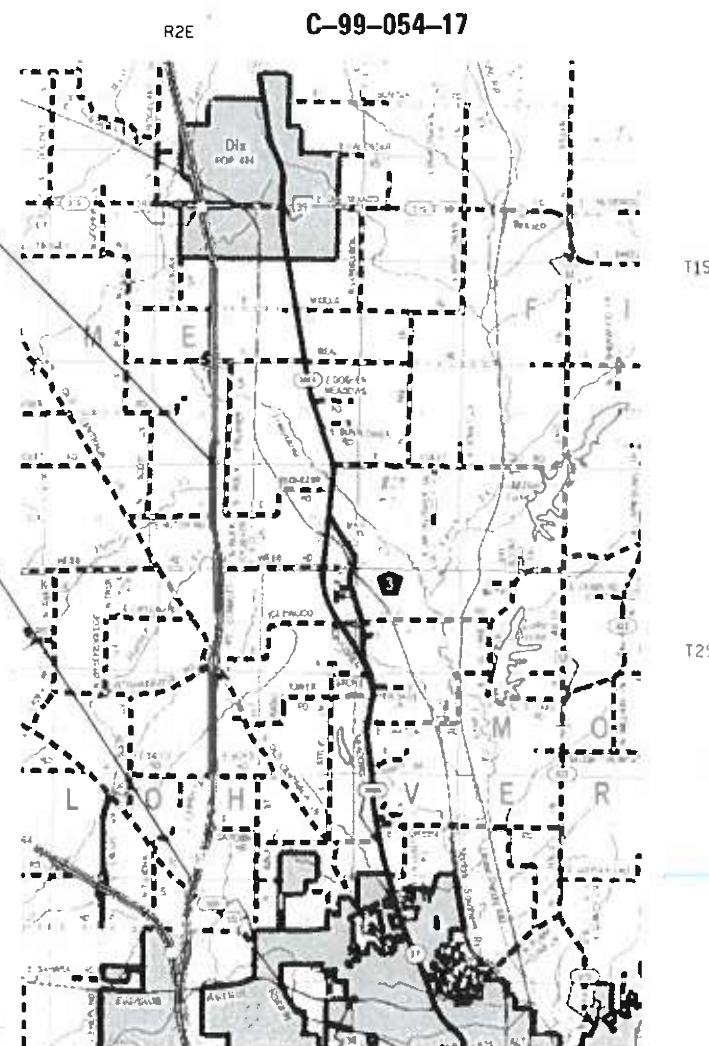
PROJECT BEGINS  
I-57 NB AND SB  
STATION 884 + 40

DESIGN DESIGNATION : N/A  
COORDINATE SYSTEM : N/A  
POSTED SPEED : 70 MPH

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

PROJECT ENGINEER: VALERIE ROLLA  
PROJECT DESIGNER: MICHAELA DOLLINS

CONTRACT NO. 78600



GROSS LENGTH = 22065.88 FT. = 4.179 MILES  
NET LENGTH = 22065.88 FT. = 4.179 MILES



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 05-06 20 20  
KR De  
REGION FIVE ENGINEER

June 26, 2020  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

June 26, 2020  
[Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS

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Prepared By: Charles Stein  
DISTRICT STUDIES & PLANS ENGINEER

Examined By: \_\_\_\_\_  
DISTRICT LAND ACQUISITION ENGINEER

Examined By: On N...  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Kul N...  
DISTRICT OPERATIONS ENGINEER

Examined By: KT...  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Douglas Hill  
DISTRICT CONSTRUCTION ENGINEER

Examined By: [Signature]  
DISTRICT MATERIALS ENGINEER

USER NAME = r0Ray	DESIGNED -	REVISED -
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PLOT DATE = 5/1/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNATURE SHEET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	141-3-2JRS-2	JEFFERSON	19	2
CONTRACT NO. 78600				
ILLINOIS FED. AID PROJECT				

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, HIGHWAY STANDARDS, AND MIX DESIGN
4	GENERAL NOTES, TRAFFIC DATA, STATION EQUATIONS
5-8	SUMMARY OF QUANTITIES
9-11	TYPICAL SECTIONS
12	PATCHING SCHEDULE
13	PAVEMENT RESURFACING SCHEDULE
14	SHOULDER RESURFACING SCHEDULE
15	PAVEMENT MARKING SCHEDULE
16	GUARDRAIL SCHEDULES
17	HMA TRANSITIONS UNDER STRUCTURE
18	BUTT JOINTS AND MEDIAN CROSSOVER
19	DETAILS

## HIGHWAY STANDARDS

000001-07: STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS  
 001001-02: AREAS OF REINFORCEMENT BARS  
 001006: DECIMAL OF AN INCH AND OF A FOOT  
 442001-04: CLASS A PATCHES  
 630001-12: STEEL PLATE BEAM GUARDRAIL  
 630201-07: PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL  
 630301-09: SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS  
 631011-10: TRAFFIC BARRIER TERMINAL, TYPE 2  
 631033-08: TRAFFIC BARRIER TERMINAL, TYPE 6B  
 635001-02: DELINEATORS  
 642001-02: SHOULDER RUMBLE STRIPS, 16IN  
 701101-05: OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE  
 701106-02: OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY  
 701400-09: APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY  
 701401-12: LANE CLOSURE, FREEWAY/EXPRESSWAY  
 701426-09: LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS  $\geq$  45 MPH  
 701428-01: TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY  
 701901-08: TRAFFIC CONTROL DEVICES  
 725001-01: OBJECT AND TERMINAL MARKERS  
 780001-05: TYPICAL PAVEMENT MARKINGS  
 781001-04: TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS  
 782006-01: GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

## MIX DESIGNS

LOCATIONS	HOT-MIX ASPHALT SURFACE COURSE
MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX E, N90
AC/PG:	SBS PG76-22
ABR % (MAX):	SEE SPECIAL PROVISION
DESIGN AIR VOIDS:	4.0 %, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5MM
FRICTION AGGREGATE:	E SURFACE
MIXTURE WEIGHT:	112 LBS/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	PFP
SUBLOT SIZE:	TBD

LOCATIONS	HOT-MIX ASPHALT BINDER COURSE (TOP LIFT)
MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, N90 IL-19.0
AC/PG:	SBS PG76-22
ABR % (MAX):	SEE SPECIAL PROVISION
DESIGN AIR VOIDS:	4.0 %, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0MM
FRICTION AGGREGATE:	NONE
MIXTURE WEIGHT:	112 LBS/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	PFP
SUBLOT SIZE:	TBD

LOCATIONS	HOT-MIX ASPHALT SHOULDERS AND INCIDENTAL HOT-MIX ASPHALT SURFACING
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70
AC/PG:	PG64-22
ABR % (MAX):	SEE SPECIAL PROVISION
DESIGN AIR VOIDS:	4.0 %, 70 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5MM
FRICTION AGGREGATE:	C SURFACE
MIXTURE WEIGHT:	112 LBS/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QCQA
SUBLOT SIZE:	NA

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USER NAME = rollavr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, HIGHWAY STANDARDS, AND MIX DESIGN</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISD -	57					(41-3-2)RS-2	JEFFERSON	19	3	
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 78600				
PLOT DATE = 5/8/2020	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

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 ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

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 HOT MIX ASPHALT SURFACE AT 300 FT INTERVALS ON THE INSIDE EDGE OF THE OUTSIDE SHOULDER 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.

EXISTING PIPE UNDERDRAIN OUTLETS IN THE FORESLOPES OR MEDIAN SLOPES SHALL BE PRESERVED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO AN UNDERDRAIN OUTLET RESULTING FROM CONSTRUCTION ACTIVITY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

COMMITMENTS: NONE

TRAFFIC DATA

MP	15.13 TO 22.78
2019	
P.V.=	15475
S.U.=	525
M.U.=	7900
ADT=	23900
2040	
P.V.=	21150
S.U.=	720
M.U.=	10800
ADT=	32670

STATION EQUATIONS

BL STA 890+51.02 BK = BL STA 889+65.50 AH  
 BL STA 942+12.46 BK = BL STA 942+12.62 AH  
 BL STA 944+29.63 BK = SB CL STA 944B+29.90 AH  
 SB CL STA 995B+12.17 BK = BL STA 994+81.32 AH  
 BL STA 1000+17.01 BK = NB CL STA 1000A+17.28 AH  
 NB CL STA 1075A+11.36 BK = BL STA 1074+80.57 AH

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	DRAWN -	REVISED -			57	(41-3-2)RS-2	JEFFERSON	19	4	
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PLOT DATE = 5/8/2020	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO
					ILLINOIS FED. AID PROJECT					

# SUMMARY OF QUANTITIES

COUNTY:	JEFFERSON CO
ROUTE:	I-57
FUNDING:	90% FED / 10% STATE
LOCATION:	RURAL
	ROADWAY
	0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	125,921
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,176
40600990	TEMPORARY RAMP	SQ YD	184
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	20,780
40604174	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N90	TON	13,949
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	16
44000163	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"	SQ YD	124,418
44200610	CLASS A PATCHES, TYPE II, 13 INCH	SQ YD	271
44200612	CLASS A PATCHES, TYPE III, 13 INCH	SQ YD	148
44200614	CLASS A PATCHES, TYPE IV, 13 INCH	SQ YD	1,087
44213000	PATCHING REINFORCEMENT	SQ YD	1,506
44213200	SAW CUTS	FOOT	4,560

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PLOT DATE = 5/8/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE:      SHEET      OF      SHEETS      STA.      TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(41-3-2)RS-2	JEFFERSON	19	5
CONTRACT NO. 78600				
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES - CONT

COUNTY:	JEFFERSON CO
ROUTE:	I-57
FUNDING:	90% FED / 10% STATE
LOCATION:	RURAL
	ROADWAY
	0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
44213204	TIE BARS 3/4"	EACH	393
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,126
48203100	HOT-MIX ASPHALT SHOULDERS	TON	7,845
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	2,512.5
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	6
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	2
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8
63200310	GUARDRAIL REMOVAL	FOOT	3,090
63500105	DELINEATORS	EACH	126
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	88,410
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3
67100100	MOBILIZATION	L SUM	1

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<b>* SPECIALTY ITEM</b>	USER NAME = rollavr	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES</b>			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(41-3-2)RS-2	JEFFERSON	19	6
			CONTRACT NO. 78600	
		ILLINOIS FED. AID PROJECT		

# SUMMARY OF QUANTITIES - CONT

COUNTY:	JEFFERSON CO
ROUTE:	I-57
FUNDING:	90% FED / 10% STATE
LOCATION:	RURAL
	ROADWAY
	0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28
70300100	SHORT TERM PAVEMENT MARKING	FOOT	15,913
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5,304
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	99,475
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	8
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	99,475
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,112
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	41
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	556
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	99,475
X2503100	MOWING	UNIT	442

\* SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(41-3-2)RS-2	JEFFERSON	19	7
CONTRACT NO. 78600				
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES - CONT

COUNTY:	JEFFERSON CO
ROUTE:	I-57
FUNDING:	90% FED / 10% STATE
LOCATION:	RURAL
	ROADWAY
	0005

	CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
*	X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	99,475
	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	44,523
∅	Z0076600	TRAINEES	HOUR	500
	Z0034105	MATERIAL TRANSFER DEVICE	TON	34,729
∅	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500

\* SPECIALTY ITEM

∅ 0042

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			ILLINOIS FED. AID PROJECT																																			









# I-57 PATCHING SCHEDULE

LOCATION			WIDTH	LENGTH	TIE BARS	PATCHING REINFORCEMENT	SAW CUT	CLASS A PATCHES, TYPE II, 17 INCH	CLASS A PATCHES, TYPE III, 17 INCH	CLASS A PATCHES, TYPE IV, 17 INCH	
STATION	NB/SB	DL/PL	FOOT	FOOT	EACH	SQ YD	FOOT	SQ YD	SQ YD	SQ YD	
885+00.00	NB	DL	12	10		13.4	68	13.4			
896+50.00	NB	DL	12	10		13.4	68	13.4			
896+84.00	NB	DL	12	20	9	26.7	88			26.7	
897+13.00	NB	DL	12	6		8.0	60	8.0			
940+07.00	NB	DL	12	10		13.4	68	13.4			
942+59.00	NB	DL	12	6		8.0	60	8.0			
942+90.00	NB	DL	12	35	17	46.7	118			46.7	
943+56.00	NB	DL	12	80	39	106.7	208			106.7	
947+39.00	NB	DL	12	10		13.4	68	13.4			
948+42.00	NB	DL	12	20	9	26.7	88			26.7	
979+98.00	NB	DL	12	30	14	40.0	108			40.0	
950+69.00	NB	DL	12	35	17	46.7	118			46.7	
954+08.00	NB	DL	12	30	14	40.0	108			40.0	
959+00.00	NB	DL	12	10		13.4	68	13.4			
974+55.00	NB	DL	12	15		20.0	78		20.0		
975+66.00	NB	DL	12	60	29	80.0	168			80.0	
994+54.00	NB	DL	12	10		13.4	68	13.4			
1006+48.00	NB	DL	12	15		20.0	78		20.0		
1076+95.00	NB	DL	12	25	12	33.4	98			33.4	
948+42.00	NB	PL	12	6		8.0	60	8.0			
948+75.00	NB	PL	12	6		8.0	60	8.0			
949+80.00	NB	PL	12	20	9	26.7	88			26.7	
952+55.00	NB	PL	12	6		8.0	60	8.0			
953+10.00	NB	PL	12	10		13.4	68	13.4			
956+89.00	NB	PL	12	10		13.4	68	13.4			
1076+95.00	NB	PL	12	20	9	26.7	88			26.7	
1084+96.00	SB	DL	12	10		13.4	68	13.4			
1105+17.00	SB	DL	12	15		20.0	78		20.0		
998+55.00	SB	DL	12	50	24	66.7	148			66.7	
996+78.00	SB	DL	12	10		13.4	68	13.4			
970+99.00	SB	DL	12	12		16.0	72		16.0		
894+72.00	SB	DL	12	12		16.0	72		16.0		
892+89.00	SB	DL	12	15		20.0	78		20.0		
1095+36.00	SB	PL	12	15		20.0	78		20.0		
1091+20.00	SB	PL	12	6		8.0	60	8.0			
1014+40.00	SB	PL	12	10		13.4	68	13.4			
1013+51.00	SB	PL	12	10		13.4	68	13.4			
1010+31.00	SB	PL	12	10		13.4	68	13.4			
998+55.00	SB	PL	12	140	69	186.7	328			186.7	
997+66.00	SB	PL	12	75	37	100.0	198			100.0	
996+78.00	SB	PL	12	10		13.4	68	13.4			
937+50.00	SB	PL	12	10		13.4	68	13.4			
893+72.00	SB	PL	12	60	29	80.0	168			80.0	
892+89.00	SB	PL	12	35	17	46.7	118			46.7	
888+00.00	SB	PL	12	10		13.4	68	13.4			
886+76.00	SB	PL	12	12		16	72		16.0		
886+00.00	SB	PL	12	6		8	60	8.0			
885+29.00	SB	PL	12	80	39	106.7	208			106.7	
<b>TOTAL:</b>						393	1506	4560	271	148	1087

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 PLOT DATE: 5/8/2020

USER NAME = rollavr	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/8/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PATCHING SCHEDULE</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(41-3-2)RS-2	JEFFERSON	19	12
CONTRACT NO. 78600				
ILLINOIS FED. AID PROJECT				

# RESURFACING SCHEDULE

LOCATION			AVG WIDTH	HMA SURFACE REMOVAL, BUTT JOINT	HMA SURFACE REMOVAL, 3 1/2"	POLYMERIZED HMA SURFACE COURSE, MIX "E", N90, 2"	POLYMERIZED HMA BINDER COURSE, IL-19.0, N90, 3"	BIT MATERIALS (TACK COAT)	MATERIAL TRANSFER DEVICE	LONGITUDINAL JOINT SEALANT **	TEMP RAMP	COMMENTS
STATION	TO	STATION	FOOT	SQ YD	SQ YD	TON	TON	POUND	TON	FOOT	SQ YD	
<b>I-57 NORTHBOUND</b>												
884+40.00	TO	885+00.00	25	167		19	28	113	47	60	35	BUTT JOINT
885+00.00	TO	890+51.02	25		1531	173	258	1038	431	552		
STA. 890+51.02 BK = STA. 889+65.50 AH												
889+65.00	TO	942+12.46	25		14577	1644	2449	9883	4093	5248		
STA. 942+12.46 BK = STA. 942+12.62 AH												
942+12.62	TO	1000+17.01	25		16124	1819	2709	10932	4528	5805		UNDER STRUCTURE 041-0053 (SEE DETAIL)
STA. 1000+17.01 BK = STA. 1000A+17.28 AH												
A	1000+17.28	TO	1075+11.36	25		20817	2348	3498	14114	5846	7495	
STA. 1075A+11.36 BK = STA. 1074+80.57 AH												
1074+80.5	TO	1105+22.00	25		8449	953	1420	5728	2373	3042		
1105+22.0	TO	1105+82.00	25	167		19	28	113	47	60	35	BUTT JOINT
<b>I-57 SOUTHBOUND</b>												
884+40.00	TO	885+00.00	25	167		19	28	113	47	60	35	BUTT JOINT
885+00.00	TO	890+51.02	25		1531	173	258	1038	431	552		
STA. 890+51.02 BK = STA. 889+65.50 AH												
889+65.50	TO	942+12.46	25		14575	1644	2449	9882	4093	5247		
STA. 942+12.46 BK = STA. 942+12.62 AH												
942+12.62	TO	944+29.63	25		603	68	102	409	170	218		
STA. 944+29.63 BK = STA. 944B+29.90 AH												
B	944+29.90	TO	995+12.17	25		14118	1592	2372	9572	3964	5083	
STA. 995B+12.17 BK = STA. 944+81.32 AH												
994+81.32	TO	1105+22.00	25		30669	3459	5153	20793	8612	11041		UNDER STRUCTURE 041-0053 (SEE DETAIL)
1105+22.0	TO	1105+82.00	25	167		19	28	113	47	60	35	BUTT JOINT
NORTHBOUND SUBTOTAL:				334	61498	6975	10390	41921	17365	22262	70	
SOUTHBOUND SUBTOTAL:				334	61496	6974	10390	41920	17364	22261	70	
TOTAL:				668	122994	13949	20780	83841	34729	44523	140	

\* ALL QUANTITIES INCLUDE THE DRIVING LANE AND THE PASSING LANE

\* \*LONGITUDINAL JOINT SEALANT PLACED UNDER HMA SURFACE LIFT

## RESURFACING TOTALS

	HMA SURFACE REMOVAL, BUTT JOINT	HMA SURFACE REMOVAL, 3 1/2"	HMA SHOULDERS	INCIDENTAL HMA RESURFACING	AGG WEDGE SHOULDER TYPE B	MATERIAL TRANSFER DEVICE	BIT MATERIALS (TACK COAT)	TEMP RAMP	SHOULDER RUMBLE STRIPS, 16 INCH	POLYMERIZED HMA SURFACE COURSE, MIX "E", N90, 2"	POLYMERIZED HMA BINDER COURSE, IL-19.0, N90, 3"	LONGITUDINAL JOINT SEALANT
	SQ YD	SQ YD	TON	TON	POUND	TON	FOOT	SQ YD	FOOT	TON	TON	FOOT
NB TOTALS:	588	62210	3916	16	563	17365	62969	92	44135	6975	10390	22262
SB TOTALS:	588	62208	3929	0	563	17364	62952	92	44275	6974	10390	22261
TOTAL:	1176	124418	7845	16	1126	34729	125921	184	88410	13949	20780	44523

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PLOT DATE: 5/8/2020

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT RESURFACING SCHEDULE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(41-3-2)RS-2	JEFFERSON	19	13
CONTRACT NO. 78600				
		ILLINOIS	FED. AID PROJECT	

# SHOULDER RESURFACING SCHEDULE

LOCATION			AVG WIDTH	HMA SURFACE REMOVAL, BUTT JOINT	HMA SURFACE REMOVAL, 3 1/2"	HMA SHOULDERS	INCIDENTAL HMA RESURFACING	AGG WEDGE SHOULDER TYPE B	BIT MATERIALS (TACK COAT)	TEMP RAMP	SHOULDER RUMBLE STRIPS, 16 INCH	COMMENTS
STATION	TO	STATION	FOOT	SQ YD	SQ YD	TON	TON	POUND	FOOT	SQ YD	FOOT	
<b>I-57 NORTHBOUND</b>												
885+00.00	TO	885+60.00	19	127		11		2	57	11	120	BUTT JOINT
885+60.00	TO	890+51.02	19			88		13	467		983	
STA. 890+51.02 BK = STA. 889+65.50 AH												
889+65.00	TO	942+12.46	19			931		133	4986		10495	
STA 909+00.00							16	2	82			MEDIAN CROSSOVER
STA. 942+12.46 BK = STA. 942+12.62 AH												
942+12.62	TO	1000+17.01	19		712	1030		147	5515		11609	
STA. 1000+17.01 BK = STA. 1000A+17.28 AH												
A 1000+17.28	TO	1075+11.36	19			1329		190	7120		14989	
STA. 1075A+11.36 BK = STA. 1074+80.57 AH												
1074+80.57	TO	1103+90.00	19			516		74	2764		5819	
1103+90.00	TO	1104+50.00	19	127		11		2	57	11	120	BUTT JOINT
<b>I-57 SOUTHBOUND</b>												
885+00.00	TO	885+60.00	19	127		11		2	57	11	120	BUTT JOINT
885+60.00	TO	890+51.02	19			88		13	467		983	
STA. 890+51.02 BK = STA. 889+65.50 AH												
889+65.50	TO	942+12.46	19			931		133	4985		10494	
STA. 942+12.46 BK = STA. 942+12.62 AH												
942+12.62	TO	944+29.63	19			39		6	207		435	
STA. 944+29.63 BK = STA. 944B+29.90 AH												
B 944+29.90	TO	995+12.17	19			902		129	4829		10165	
STA. 995B+12.17 BK = STA. 994+81.32 AH												
994+81.32	TO	1104+60.00	19		712	1947		278	10430		21958	
1104+60.00	TO	1105+20.00	19	127		11		2	57	11	120	BUTT JOINT
NORTHBOUND SUBTOTAL:				254	712	3916	16	563	21048	22	44135	
SOUTHBOUND SUBTOTAL:				254	712	3929	0	563	21032	22	44275	
TOTAL:				508	1424	7845	16	1126	42080	44	88410	

ALL QUANTITIES INCLUDE DRIVING LANE AND PASSING LANE SHOULDERS

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USER NAME = rollavr DESIGNED - DRAWN - PLOT SCALE = 100.0000' / in. CHECKED - PLOT DATE = 5/8/2020 DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SHOULDER RESURFACING SCHEDULE</b>	F.A.I. RTE. 57	SECTION (41-3-2)RS-2	COUNTY JEFFERSON	TOTAL SHEETS 19	SHEET NO. 14
SCALE:      SHEET      OF      SHEETS      STA.      TO STA.				ILLINOIS FED. AID PROJECT      CONTRACT NO. 78600				

# PAVEMENT MARKING SCHEDULE

LOCATION				THERMOPLASTIC PAVEMENT MARKINGS			GROOVING FOR RECESSED PVT MKGS 7"	RRPM REMOVAL	RRPM	DELINEATORS
				LINE-6"						
STATION TO STATION				WHITE SOLID	YELLOW SOLID	WHITE SKIP DASH	FOOT	EACH	EACH	EACH
				FOOT	FOOT	FOOT				
<b>I-57 NORTHBOUND</b>										
	885+00.00	TO	890+51.02	552	552	138	1242	7	14	3
STA. 890+51.02 BK = STA. 889+65.50 AH										
	889+65.00	TO	942+12.46	5248	5248	1312	11808	66	132	15
STA. 942+12.46 BK = STA. 942+12.62 AH										
	942+12.62	TO	1000+17.01	5805	5805	1452	13062	73	146	16
<b>I-57 SOUTHBOUND</b>										
	885+00.00	TO	890+51.02	552	552	138	1242	7	14	3
STA. 890+51.02 BK = STA. 889+65.50 AH										
	889+65.50	TO	942+12.62	5248	5248	1312	11808	66	132	15
STA. 942+12.62 BK = STA. 942+12.62 AH										
	942+12.62	TO	944+29.63	218	218	55	491	3	6	2
STA. 944+29.63 BK = STA. 944B+29.90 AH										
A	1000+17.28	TO	1075+11.36	7495	7495	1874	16864	94	188	20
STA. 1075A+11.36 BK = STA. 1074+80.57 AH										
	1074+80.57	TO	1104+50.00	2970	2970	743	6683	38	76	9
<b>I-57 SOUTHBOUND</b>										
	885+00.00	TO	890+51.02	552	552	138	1242	7	14	3
STA. 890+51.02 BK = STA. 889+65.50 AH										
	889+65.50	TO	942+12.62	5248	5248	1312	11808	66	132	15
STA. 942+12.62 BK = STA. 942+12.62 AH										
	942+12.62	TO	944+29.63	218	218	55	491	3	6	2
STA. 944+29.63 BK = STA. 944B+29.90 AH										
B	944+29.90	TO	995+12.17	5083	5083	1271	11437	64	128	14
STA. 995B+12.17 BK = STA. 994+81.32 AH										
	994+81.32	TO	1105+20.00	11039	11039	2760	24838	138	276	29
NB SUBTOTAL:				22070	22070	5519	49659	278	556	63
SB SUBTOTAL:				22140	22140	5536	49816	278	556	63
TOTAL:				44210	44210	11055	99475	556	1112	126
				99475						

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# GUARDRAIL SCHEDULE

LOCATION				GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 6B	TRAFFIC BARRIER TERMINAL, TYPE 2	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	
STATION TO STATION										AMBER	CRYSTAL
				FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	
<b>I-57 NORTHBOUND</b>											
DL SHOULDER	944+30.00	TO	948+50.00	420	362.5	1		1	1		6
PL SHLULDER	965+50.00	TO	969+40.00	390	325	1		1	1	5	
DL SHOULDER	966+30.00	TO	969+90.00	360	300	1		1	1		5
PL SHLULDER	992+60.00	TO	996+50.00	390	287.5	1	1		1		5
<b>I-57 SOUTHBOUND</b>											
DL SHOULDER	947+85.00	TO	951+75.00	390	325	1		1	1		5
DL SHOULDER	965+70.00	TO	969+60.00	390	325	1		1	1		5
PL SHLULDER	965+70.00	TO	969+30.00	360	300	1		1	1	5	
PL SHLULDER	996+35.00	TO	1000+25.00	390	287.5	1	1		1		5
NORTHBOUND SUBTOTAL:				1560	1275.0	4	1	3	4	5	16
SOUTHBOUND SUBTOTAL:				1530	1237.5	4	1	3	4	5	15
TOTAL:				3090	2512.5	8	2	6	8	41	

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	DRAWN -	REVISED -
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PLOT DATE = 5/8/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

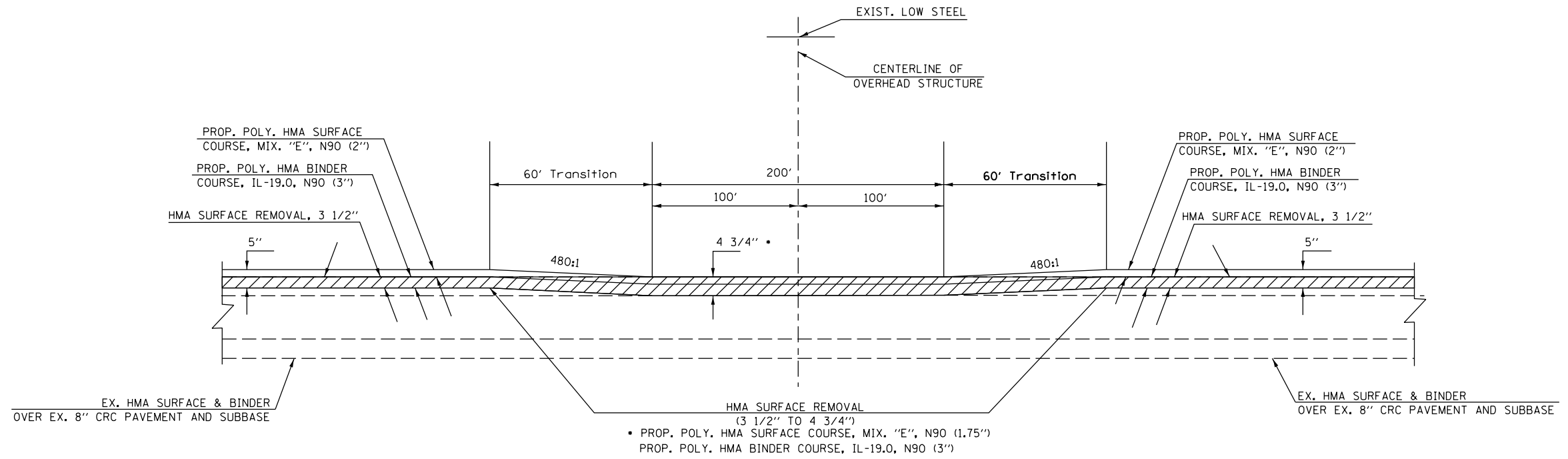
**GUARDRAIL SCHEDULES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(41-3-2)RS-2	JEFFERSON	19	16
CONTRACT NO. 78600				
ILLINOIS FED. AID PROJECT				

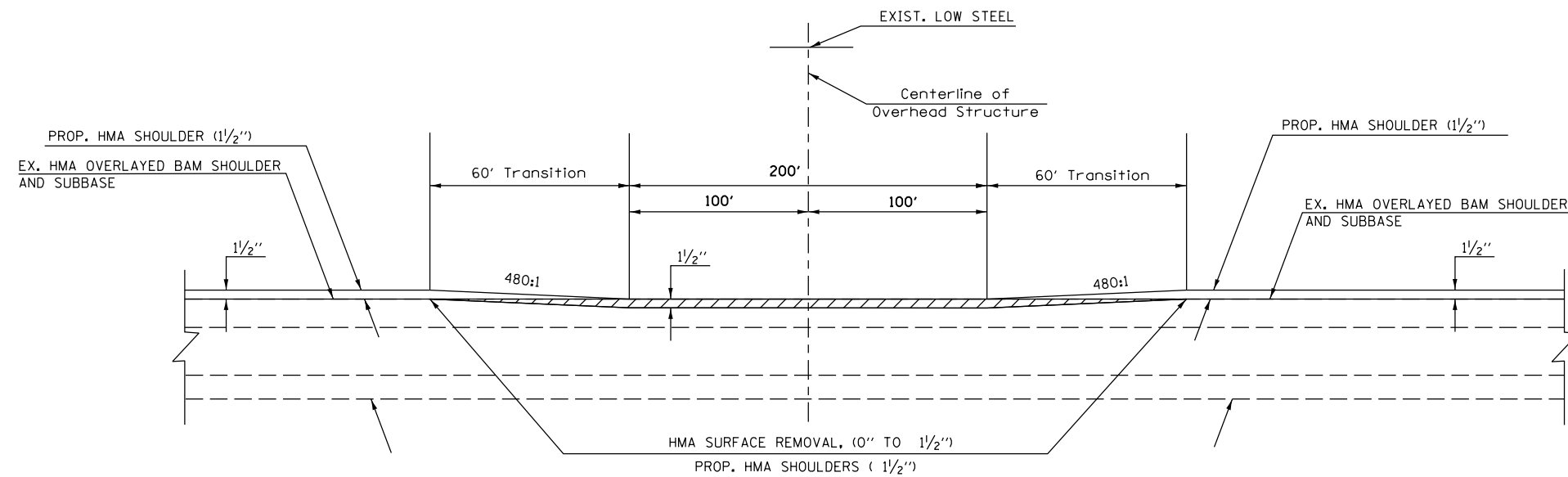


DETAIL FOR HMA BINDER AND SURFACE TRANSITION  
UNDER OVERPASSES  
(TO MAINTAIN VERTICAL CLEARANCE)



TO BE USED ON NB AND SB LANES:  
STA. 994+90 TO STA. 998+10 (S.N. 041-0053)  
(APPROXIMATE STATIONS)

DETAIL FOR HMA SHOULDER TRANSITION  
UNDER OVERPASSES  
(TO MAINTAIN VERTICAL CLEARANCE)



TO BE USED ON NB AND SB SHOULDERS:  
STA. 994+90 TO STA. 998+10 (S.N. 041-0053)  
(APPROXIMATE STATIONS)

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PLOT DATE = 5/8/2020	DATE -	REVISED -

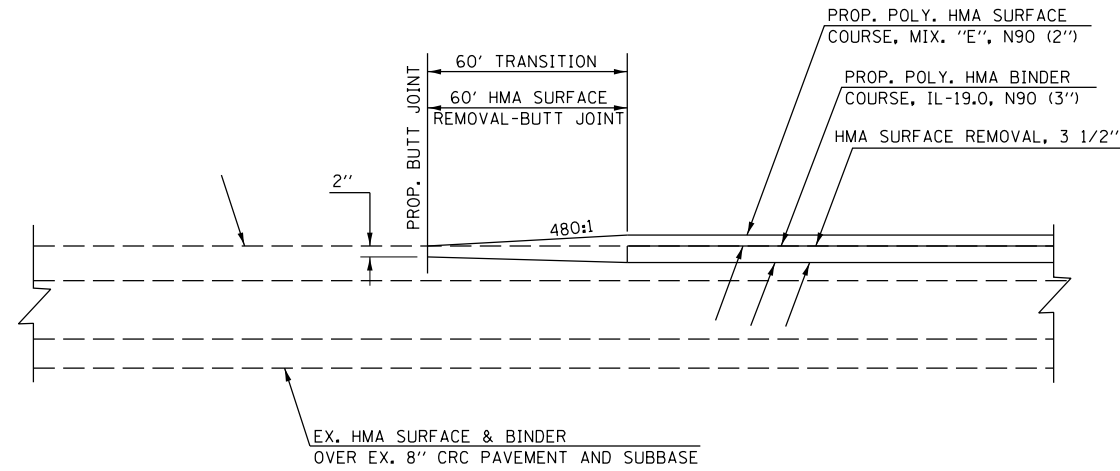
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HMA TRANSITIONS UNDER STRUCTURE NO. 041-0053

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(41-3-2)RS-2	JEFFERSON	19	17
CONTRACT NO. 78600				
ILLINOIS FED. AID PROJECT				

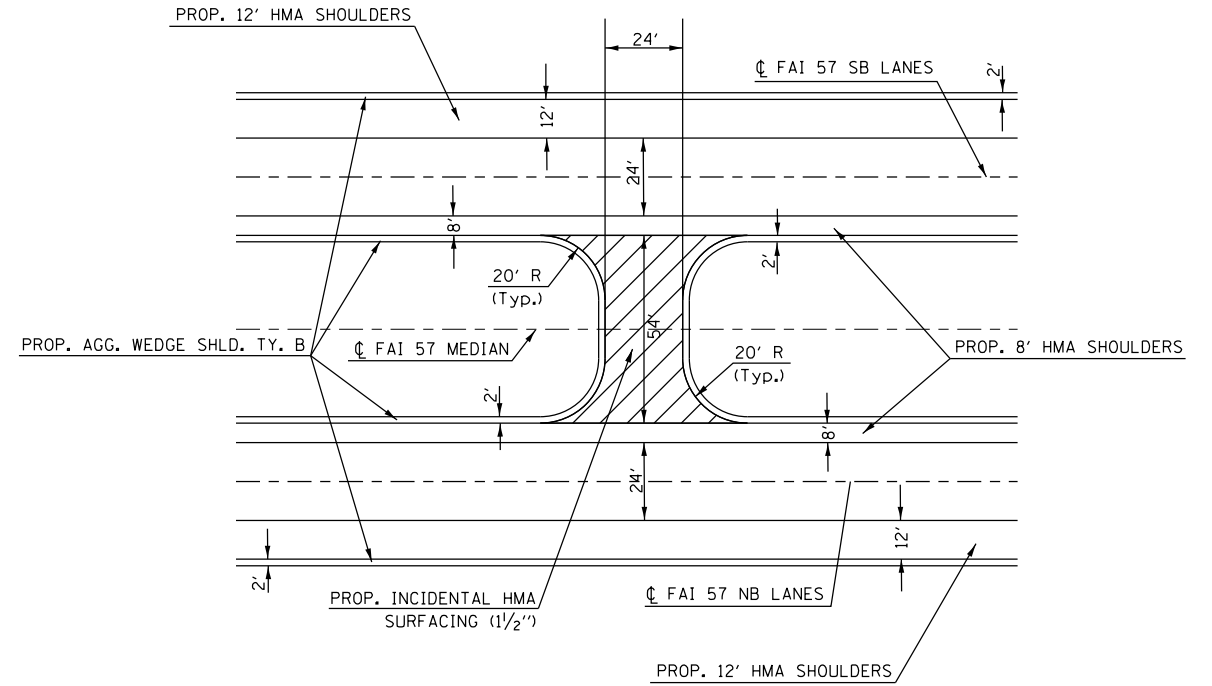
DETAIL FOR MAINLINE BUTT JOINTS AT  
BEGINNING AND ENDING OF PROJECT



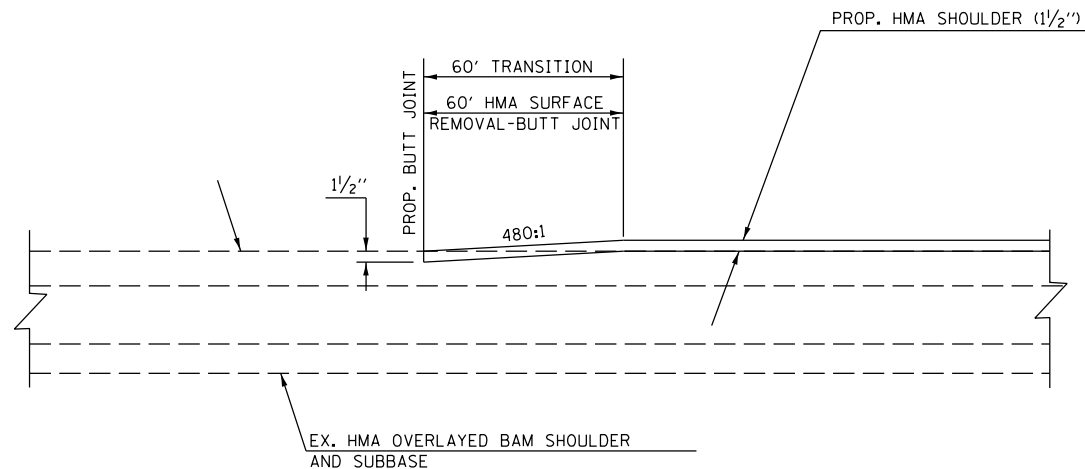
TO BE USED:  
NB AND SB STA 884+40 TO STA 885+00 (BEGINNING OF JOB)  
NB AND SB STA 1105+22 TO STA 1105+82 (ENDING OF JOB)

DETAIL FOR  
MEDIAN CROSSOVER

PLAN VIEW  
AT MEDIAN

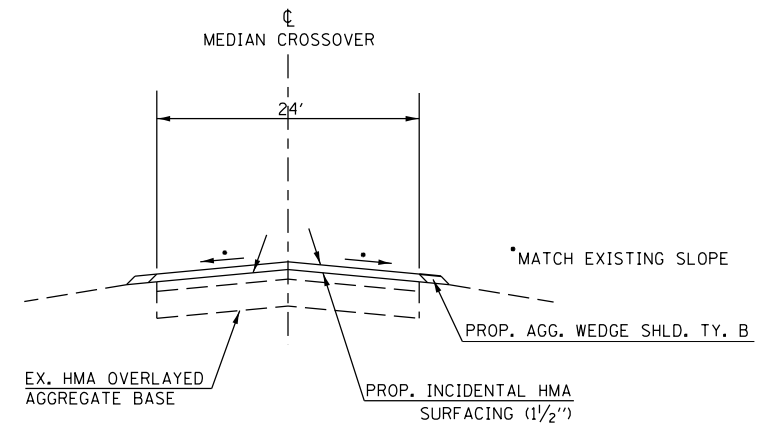


DETAIL FOR SHOULDER BUTT JOINTS AT  
BEGINNING AND ENDING OF PROJECT



TO BE USED:  
NB AND SB STA 885+00 TO STA 885+60 (BEGINNING OF JOB)  
NB STA 1103+90 TO STA 1104+50 (ENDING OF JOB)  
SB STA 1104+60 TO STA 1105+20 (ENDING OF JOB)

CROSS SECTION  
AT MEDIAN



TO BE USED:  
STA 909+00  
(APPROXIMATE STATION)

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	DATE -	REVISED -

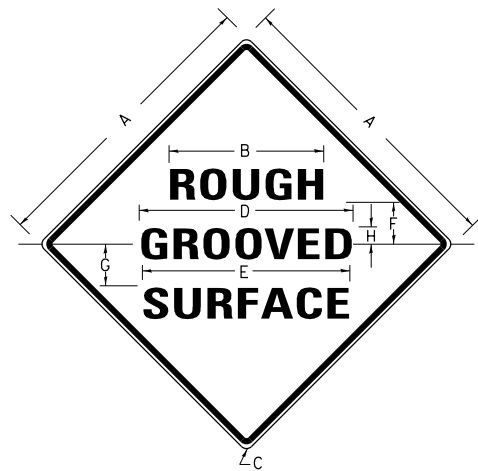
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS AND MEDIAN CROSSOVER

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(41-3-2)RS-2	JEFFERSON	19	18
CONTRACT NO. 78600				
ILLINOIS FED. AID PROJECT				

**ILLINOIS STANDARD**



**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.

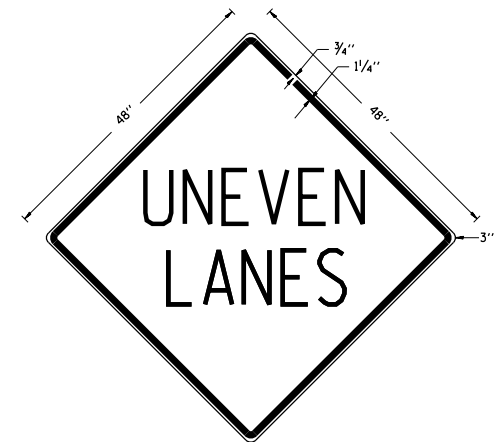
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVIEWED	5-17-13

STD. 9-39

**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.

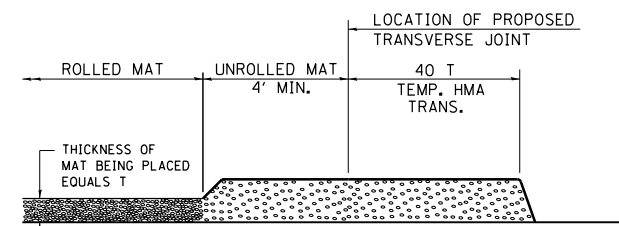
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
DRAWN	2-15-89
REVISED	4-06-93
REDESIGNED	7-23-04
RESIZED	5-08-08
REVIEWED	5-17-13

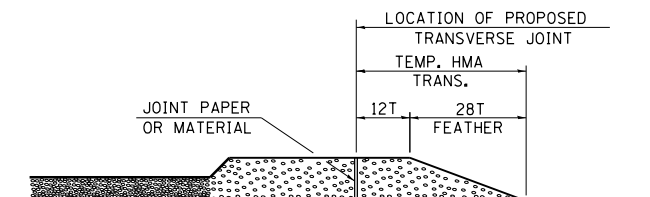
STD. 9-41

**TEMPORARY HOT-MIX ASPHALT TRANSITIONS**



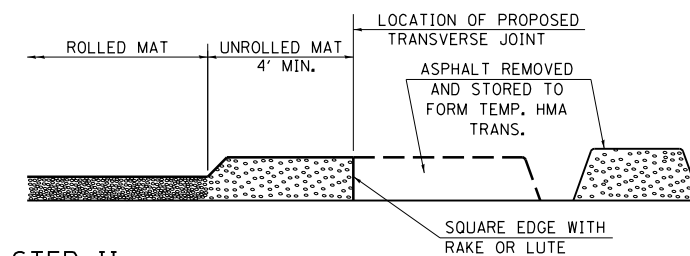
**STEP I**

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.



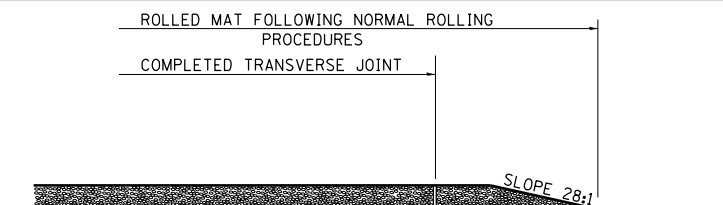
**STEP III**

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.

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

STD. 9-26

MODEL: Default  
FILE: h:\mhc\pub\hmanroom.dta\illinois\dot\Documents\DOT\_Offices\Illin\dot\9\Projects\78600\CADD\Drawings\978600-Sheets.dgn

USER NAME = rollavr	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/8/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(41-3-2)RS-2	JEFFERSON	19	19
				CONTRACT NO. 78600
		ILLINOIS FED. AID PROJECT		