03-08-2024 LETTING ITEM 088

# STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

(110-2)RS-2

D-99-013-24

JEFFERSON 16 1

FOR INDEX OF SHEETS, SEE SHEET NO. 3

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5-7

TRAFFIC DATA (2024)
ADT: 620 %TRUCKS: 5.6%

# **PROPOSED HIGHWAY PLANS**

**SBI ROUTE 142 (OLD IL 37) SECTION (110-2)RS-2** RESURFACING **JEFFERSON COUNTY** 

C-99-041-24

**TOWNSHIPS** SHILOH, MT VERNON

> **PROJECT BEGINS: EDGE OF PAVEMENT IL 37 STA. 855+00**

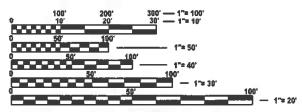
12' LT= OLD IL 13 STA. 0+00

**PROJECT ENDS:** 

**EDGE OF PAVEMENT IL 37 STA, 933+75** 12' LT = OLD IL 13 STA 78+53

POSTED SPEED: 50,55 MPH

**DESIGN DESIGNATION: N/A** 



JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

**PROJECT ENGINEER: SUSAN POE PROJECT MANAGER: JAKE STARK** 

CONTRACT NO. 78A34

R<sub>2</sub>E R<sub>3</sub>E **OMISSION UNDER SN 041-9905** STA. 30+60 TO STA. 31+42 LEWOOD **T25** 

GROSS LENGTH = 7,853 FT. = 1.49 MILE NET LENGTH = 7,771 FT. = 1.47 MILE

STATE OF ILLINOIS

SUBMITTED Dec 4

LOCATION OF SECTION INDICATED THUS: -

Kirk H. Poronia REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

0

Prepared By: DISTRICT STUDIES & PLANS ENGINEER

Examined By: Maucy District LAND ACQUISITION ENGINEER

Examined By: Can Nulsu

DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: DISTRICT OPERATIONS ENGINEER

Examined By:

DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By:

DISTRICT CONSTRUCTION ENGINEER

Examined By: A and DISTRICT MATERIALS ENGINEER

DESIGNED -REVISED . SIGNATURE SHEET JEFFERSON 16 2 STATE OF ILLINOIS DRAWN -REVISED (110-2)RS-2 CHECKED -REVISED **DEPARTMENT OF TRANSPORTATION** LOT SCALE = 0.18666633 In. CONTRACT NO. 78A34 OF 16 SHEETS STA.

## **INDEX OF SHEETS**

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, STANDARDS, MTD TABLE
:4	GENERAL NOTES, MIX DESIGN
5-7	SUMMARY OF QUANTITIES
8-9	TYPICALS
10	RESURFACING AND PAVEMENT MARKING SCHEDULE
11	ENTRANCE SCHEDULE
12	PATCHING SCHEDULE
13	MILLING AND RESURFACING TRANSITIONS
14	SN 041-7060 INLAY DETAIL
15	SIDEROAD AND ENTRANCE DETAILS
16	DISTRICT STANDARDS

# HIGHWAY STANDARDS

000001-08\_STANDARDSYMBOLSABBREVIATIONS-PATTERNS-001.
001006\_DECIMALOFINCH-FOOT
420001-10\_PAVEMENT-JOINTS.
442201-03\_CLASSC-DPATCHES
701001-02\_OFFRDOP-2L2W-15FTMINFROMEOP
701006-05\_OFFRDOP-2L2W-15FTTOEOP
701306-04\_LNCLOSURE2L2W-SLOWMOVEOPDAYONLY45MPHORMORE
701311-03\_LNCLOSURE2L2W-MOVINGOPDAYONLY
701336-07\_LNCLOSURE2L2W-WORKAREASINSERIES45MPHORMORE
701901-09\_TRAFCNT-RLDEVICES
780001-05\_TYPICALPVMTMRKINGS
781001-04\_TYPICALAPPRAISEDREFLCPVMTMRKRS

## MTD CROSSING RESTRICTIONS TABLE

OLD IL 37 SN & CENTER	1			THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT FOOT	MTD CROSSING RESTRICTIONS
SN 041-7060	STA	76+63	4.8	1.1	40 TONS

MODEL: Index of Sheets [Sheet]
FILE NAME: c:bw worktowidot\iaoob.stark@illinoi

USER NAME = Jacob.Stark	DESIGNED	REVISED -		i	NDFX OF	SHEET	rs. st	ΔΝΩΔ	RDS, MTD TA	ARLF	F.A.*	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED _	STATE OF ILLINOIS	·		··	. 0, 0			~		(110-2)RS-2	JEFFERSON	16	3
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION								f '-		CONTRAC	T NO. 784	A34
PLOT DATE = 11/21/2023	DATE -	REVISED -		SCALE:	SHEET	OF	16 SH	HEETS	STA.	TO STA.		ILLINOIS FED. A	D PROJECT		

REV. - MS

## **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

STATIONING SHOWN ON PLANS FOR RESURFACING IS FOR CONSTRUCTION PURPOSES ONLY AND NOT TO BE STAMPED ON FINAL BITUMINOUS SURFACE.

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

COMMITMENTS: NONE

# HMA MIXTURE REQUIREMENTS TABLES

The following HMA mixture requirements are	applicable for this project
Locations	Hot-Mix Asphalt Surface Course 1.5", Incidental Hot-Mix Asphalt Surfacing
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N50
PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0%, 50 Gyration Design
Mixture Composition:	IL-9.5 mm
(Gradation Mixture)	
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 1.25"
Mixture Use(s):	Hot-Mix Asphalt Binder Course, IL-9.5FG, N50
PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0%, 50 Gyration Design
Mixture Composition:	IL-9.5 mm Fine Graded
(Gradation Mixture)	
Friction Aggregate:	None
Mixture Weight:	112 lbs/sq yd/in
Quality Management Program:	QC/QA
Sublot Size.	3,000 tons
Material Transfer Device (Required?)	No

Locations	Hot-Mix Asphalt Binder Course 2.25"
Mixture Use(s):	Hot-Mix Asphalt Binder Course, IL-19.0, N50
PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0%, 50 Gyration Design
Mixture Composition:	IL-19.0 mm
(Gradation Mixture)	
Friction Aggregate:	None
Mixture Weight:	112 lbs/sq yd/in
Quality Management Program:	QCP
Sublot Size:	1,000 tons
Material Transfer Device (Required?)	Yes

USER NAME = Jacob.Stark	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/21/2023	DATE -	REVISED -

# SUMMARY OF QUANTITIES

BITUMINOUS MATERIALS (TACK COAT)

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50

INCIDENTAL HOT-MIX ASPHALT SURFACING

HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"

CLASS C PATCHES, TYPE II, 13 INCH

CLASS C PATCHES, TYPE III, 13 INCH

CLASS C PATCHES, TYPE IV, 13 INCH

AGGREGATE WEDGE SHOULDER, TYPE B

HOT-MIX ASPHALT SURFACE COURSE, II-9.5, MIX "C", N50

LONGITUDINAL JOINT SEALANT

TEMPORARY RAMP

ITEM DESCRIPTION

	COUNTY:	JEFFERSON CO
	ROUTE:	SBI 142 (OLD IL 37)
	FUNDING:	100% STATE
	LOCATION:	RURAL
HAUT	TOTAL	ROADWAY
UNIT	QUANTITY	0005
POUND	13,040	13,040
FOOT	7,771	7,771
SQ YD	348	348
SQ YD	260	260
TON	292	292
TON	1,874	1,874
TON	1,602	1,602
TON	105	105
SQ YD	14,819	14,819
SQ YD	4,164	4,164
SQ YD	45 1	451
SQ YD	67	67
SQ YD	338	338
TON	284	284

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PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/22/2023	DATE -	REVISED -	

CODE

NUMBER

40600290

40600370

40602965

40603080

40604050

40800050

44000155

44000160

44201389

44201394

44201396

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITES					F.A.* RTE	SEC.	COUNT		
				*	(110-2	)RS-2		JEFFERS	
								CONTR	
SHEET	OF 16	SHEETS	STA.	TO STA.			ILLINOIS	FED, AII	D PROJECT

# SUMMARY OF QUANTITIES - CONT

COUNTY:	JEFFERSON CO
ROUTE:	SBI 142 (OLD IL 37)
FUNDING:	100% STATE
LOCATION:	RURAL
TOTAL	ROADWAY
OHANTITY	0005

			LOCATION:	RURAL
CODE	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY
NUMBER			QUANTITY	0005
			1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,806	2,806
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	312	312
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	24,721	24,721
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	50	50
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	24,721	24,721
78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	50	50
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	98	98
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	98	98
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	8,340	8,340
		•		

## \* SPECIALTY ITEM

USER NAME = Jacob.Stark	DESIGNED -	REVISED -		SCHEDULE OF QUANTITES				F.A.*	SECTION	COUNTY	TOTAL SHEET		
	DRAWN -	REVISED -	STATE OF ILLINOIS		·	OHLDOLL	. 01 40	ANTITLO		*	(110-2)RS-2	JEFFERSON	16 6
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION								()		T NO. 78A34
PLOT DATE = 11/21/2023	DATE -	REVISED -		SCALE:	SHEET	OF 16	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT	
										*CDI 140			

# SUMMARY OF QUANTITIES - CONT

ITEM DESCRIPTION

CODE NUMBER

Z0034105

MATERIAL TRANSFER DEVICE

	COUNTY:	JEFFERSON CO
	ROUTE:	SBI 142 (OLD IL 37)
	FUNDING:	100% STATE
	LOCATION:	RURAL
UNIT	TOTAL	ROADWAY
UNIT	QUANTITY	0005
TON	3,476	3,476

Schedule of Quantities 3 [Sheet]

REV. - MS

		,												
USER NAME = Jacob.Stark	DESIGNED -	REVISED -		SCHEDULE OF QUANTITES				FA*	SECTION	COUNTY	TOTAL SHE	ET		
	DRAWN -	REVISED -	STATE OF ILLINOIS		•	OIILDOL.	. 0. 40	ANTITE			(110-2)RS-2	JEFFERSON	16 7	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION								, , , ,	CONTRACT	NO. 78A34	
PLOT DATE = 11/21/2023	DATE =	REVISED -		SCALE:	SHEET	OF 16	SHEETS	STA.	TO STA.		ILLINOIS FED. A	D PROJECT		$\exists$

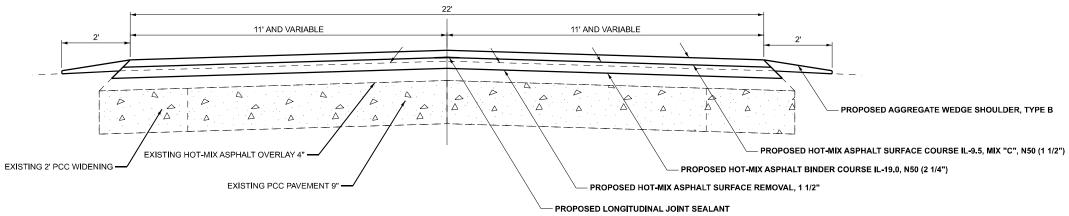
#### **NOTES**

HISTORICAL RECORDS OF EXISTING ALIGNMENT DO NOT EXIST. FOR THIS PROJECT THE EDGE OF PAVEMENT OF IL 37 AT STA, 855+00 WAS ASSIGNED AS OLD IL 37 STA. 0+00.

\*SEE SHEET 13 FOR MILLING AND RESURFACING TRANSITIONS.

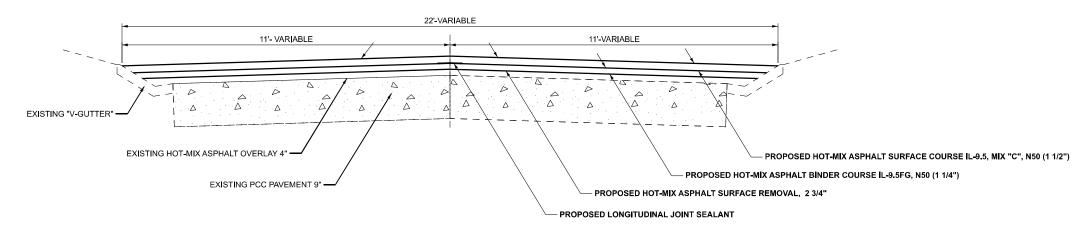
\*\*SEE SHEET 14 FOR SN 041-7060 INLAY DETAIL

**SBI 142** (OLD IL 37)



**TO BE USED:** \*STA. 0+00 TO STA. 0+10 STA. 0+10 TO STA. 21+75 STA, 40+20 TO STA, 78+53 \*\*STA. 76+53 TO STA. 76+73 STA. 76+73 TO STA. 78+43 \*STA. 78+43 TO STA. 78+53

> **SBI 142** (OLD IL 37)



**TO BE USED:** STA. 21+75 TO STA. 30+50 \*STA. 30+50 TO STA. 30+60 STA. 30+60 TO STA. 31+42 OMIT DRAINAGE STRUCTURE

USER NAME = Jacob.Stark	DESIGNED -	REVISED -				TYPICALS		F.A.*	5
	DRAWN -	REVISED -	STATE OF ILLINOIS			IIIIOALO		*	(1:
PLOT SCALE = 0.16666633 '/in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION						
PLOT DATE = 11/22/2023	DATE -	REVISED -		SCALE: 1"=50'	SHEET	OF 16 SHEETS STA.	TO STA.		

SECTION

(110-2)RS-2

COUNTY

JEFFERSON 16 8 CONTRACT NO. 78A34

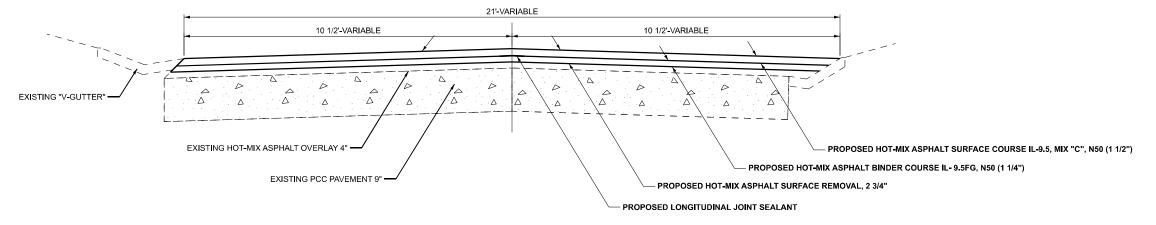
#### **NOTES**

HISTORICAL RECORDS OF EXISTING ALIGNMENT DO NOT EXIST. FOR THIS PROJECT THE EDGE OF PAVEMENT OF IL 37 AT STA. 855+00 WAS ASSIGNED AS OLD IL 37 STA. 0+00.

\*SEE SHEET 13 FOR MILLING AND RESURFACING TRANSITIONS.

\*\*SEE SHEET 14 FOR SN 041-7060 INLAY DETAIL





# **TO BE USED:**\*STA. 31+42 TO STA. 31+52 STA. 31+52 TO STA. 40+20

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50'

# RESURFACING SCHEDULE

	OCATIO N TO S	ON STATION	LENGTH	PAVEMENT WIDTH	HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL 2 3/4"	HOT-MIX ASPHALT BINDER COURSE IL- 19.0, N50 (2 1/4")	HOT-MIX ASPHALT BINDER COURSE IL- 9.5FG, N50 (1 1/4")	HOT-MIX ASPHALT SURFACE COURSE IL- 9.5, MIX "C", N50 (1 1/2")	BITUMINOUS MATERIALS (TACK COAT)	AGGREGATE WEDGE SHOULDERS, TYPE B	LONGITUDINAL JOINT SEALER	TEMPORARY RAMP	REMARKS
			(FEET)	(FEET)	(SQ YD)	(SQ YD)	(TON)	(TON)	(TON)	(POUND)	(TON)	(FEET)	(SQ YD)	
OL	DIL	37												
0+00	TO	0+10	10	60	67				6	30		10	34	
0+10	TO	21+75	2,165	22	5,292		680		447	3,572	103	2,165	42	
21+75	TO	30+50	875	VARIABLE		2,139		150	180	1,444		875	11	
30+50	TO	30+60	10	VARIABLE	24				2	11		10	13	
30+60	то	31+42	82	OMIT RESURFA	ACING DRAIN	IAGE STRUCT	URE UNDER RAII	ROAD BRIDGE S	N 041-9905					
31+42	ТО	31+52	10	VARIABLE	23				2	11		10	12	
31+52	TO	40+20	868	VARTABLE		2,025		142	170	1,367		868	10	
40+20	TO	76+53	3,633	22	8,881		1,141		750	5,994	172	3,633	19	
76+53	TO	76+73	20	22	49				4	22	1	20		
76+73	TO	78+43	170	22	416		53		35	187	8	170	60	
78+43	TO	78+53	10	60	67				6	30		10	34	
	TOTALS	5	7,853		14,819	4,164	1,874	292	1,602	12,668	284	7,771	235	

# PAVEMENT MARKING SCHEDULE

				*OMISSIONS	PA	INT PAV	EMENT MARK	ING			
	OCATIO	N.I.	LENGTH			LINE 4	п		REMARKS		
	STATION TO STATION			- CM112210N2	WHITE	YELLOW		LINE 24"	KEMAKKS		
SIAIR	JN IO J	IATION			SOLID SOLID SKIP DASH		SOLID SKIP DASH		SOLID SKIP DASH		
			(FEET)	(FEET)	(FEET)	(FEET)	(FEET)	(FEET)			
OLD IL 37											
0+00.	TO	11+09.	1,109		2,218		277	25	PASSING		
11+09.	TO	19+12.	803	35	1,571	803	201		NORTH PASSING		
19+12.	TO	53+28.	3,416	124	6,708	6,832			NO PASSING		
53+28.	TO	59+16.	588		1,176	588	147		SOUTH PASSING		
59+16.	TO	78+53.	1,937	158	3,716		484	25	PASSING		
	TOTALS	TOTALS		317		24,721	L	50			

\*SIDEROADS

JSER NAME = Jacob.Stark DESIGNED -REVISED -DRAWN -REVISED -CHECKED -REVISED -DATE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SECTION RESURFACING AND PAVEMENT MARKING SCHEDULE (110-2)RS-2 JEFFERSON 16 10 CONTRACT NO. 78A34 SHEET OF 16 SHEETS STA.

# ENTRANCE SCHEDULE OLD IL 37

	LOC	CATION	AVERAGE WIDTH	EXISTING SURFACE TYPE	PROPOSED SURFACE TYPE	PROPOSED AREA	INCIDENTAL HMA SURFACING	BITUMINOUS MATERIAL (TACK COAT)	HMA SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	REMARKS
SIDE	STATION	ENTRANCE TYPE				(SQ FT)	(TONS)	(POUND)	(SQ YD)	(SQ YD)	
LT	01+20	PR IVATE	105	BITUMINOUS	BITUMINOUS	420	5	21		the substitute of the state of	STUB TO HOUSE OLD ALIGN
LT	2+44	PR IVATE	28	AGGREGATE	BITUMINOUS	112	2	6			
LT	3+62	PR IVATE	60	AGGREGATE	BITUMINOUS	240	3	12			
LT	5+40	PR IVATE	27	AGGREGATE	BITUMINOUS	108	2	6			
RT	7+04	PR IVATE	27	AGGREGATE	BITUMINOUS	108	2	6			
RT	12+24	PR IVATE	24	AGGREGATE	BITUMINOUS	96	2	5			
LT	16+31	EAST MAY ROAD	27	AGGREGATE	BITUMINOUS	405	8	21	45	3	
RT	17+17	PR IVATE	31	AGGREGATE	BITUMINOUS	124	2	7			
LT	21+24	PR IVATE	30	PCC	BITUMINOUS	120	2	6			COMMERC LAL
LT	41+77	PR IVATE	22	AGGREGATE	BITUMINOUS	88	2	5			
RT	41+91	EAST NORMANDY RD	35	0&C	BITUMINOUS	525	7	27	59	4	
LT	42+26	PR IVATE	22	BITUMINOUS	BITUMINOUS	88	2	5			
LT	43+24	PRIVATE	42	BITUMINOUS	BITUMINOUS	168	2	9			
RT	44+32	PRIVATE	27	AGGREGATE	BITUMINOUS	108	2	6			
RT	46+14	EAST DIANA RD	45	0&C	BITUMINOUS	675	8	34	75	5	
RT	48+57	PR IVATE	22	AGGREGATE	BITUMINOUS	88	2	5			
RT	50+47	PR IVATE	21	AGGREGATE	BITUMINOUS	84	1	5			
RT	50+69	PR IVATE	21	AGGREGATE	BITUMINOUS	84	1	5			
RT	52+29	PR IVATE	18	AGGREGATE	BITUMINOUS	72	1	4			
RT	53+09	PR IVATE	18	AGGREGATE	BITUMINOUS	72	1	4			
RT	53+86	PR IVATE	20	AGGREGATE	BITUMINOUS	80	1	4			
RT	57+36	PR IVATE	27	AGGREGATE	BITUMINOUS	108	2	6			
RT	59+00	PR IVATE	24	AGGREGATE	BITUMINOUS	96	2	5			
LT	59+50	PR IVATE	18	AGGREGATE	BITUMINOUS	72	1	4			
RT	60+99	EAST IDLEWOOD RD	31	0&C	BITUMINOUS	465	б	24	52	4	
LT	61+05	EAST IDLEWOOD RD	42	O&C	BITUMINOUS	630	8	32	70	5	
RT	61+77	PRIVATE	26	AGGREGATE	BITUMINOUS	104	2	6			
LT	62+88	PR IVATE	19	AGGREGATE	BITUMINOUS	76	1	4			
RT	65+54	PRIVATE	22	AGGREGATE	BITUMINOUS	88	2	5			FIELD ENTRANCE
LT	67+44	IDLEWOOD DR	28	PCC	BITUMINOUS	420	5	21	47	4	
RT	68+26	PR IVATE	20	AGGREGATE	BITUMINOUS	80	1	4			
RT	68+49	PR IVATE	18	AGGREGATE	BITUMINOUS	72	1	4			
RT	71+69	PR IVATE	22	AGGREGATE	BITUMINOUS	88	2	5			
LT	71+86	PR IVATE	18	AGGREGATE	BITUMINOUS	72	1	4			FIELD ENTRANCE
RT	72+09	PR IVATE	18	AGGREGATE	BITUMINOUS	72	1	4			
LT	72+47	PR IVATE	28	AGGREGATE	BITUMINOUS	112	2	6			
RT	73+86	PR IVATE	18	AGGREGATE	BITUMINOUS	72	1	4			FIELD ENTRANCE
LT	74+24	PR IVATE	23	AGGREGATE	BITUMINOUS	92	2	5			
RT	74+54	PR IVATE	19	AGGREGATE	BITUMINOUS	76	1	4			
LT	77+19	PR IVATE	110	BITUMINOUS	BITUMINOUS	440	6	22			STUB TO HOUSE OLD ALIGN
TOTAL							105	372	348	25	

MODEL: Entrance Schedule [Sheet] FILE NAME: c:\pw\_work\pwidot\jacob.stark@illinois.gov\

USER NAME = Jacob.Stark	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/21/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	ENTRANCE S	CHEDULE		F.A.* RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				*	(110-2)RS-2	JEFFERSON	16	11
						CONTRACT	NO. 78/	434
SHEET	OF 16 SHE	ETS STA.	TO STA.		ILLINOIS FED AL	PROJECT		

# PATCHING NORTH BOUND LANE OLD IL 37 PATCHING SOUTH BOUND LANE OLD IL 37

LANE LOCATION	STATION	LENGTH	WIDTH	AREA	CLASS C PATCHES, TYPE II, 13 INCH	CLASS C PATCHES, TYPE III, 13 INCH	CLASS C PATCHES, TYPE IV, 13 INCH
		(FEET)	(FEET)	(SQYD)	(SQYD)	(SQYD)	(SQYD)
OLD IL 37							
NB	1+58	6	11	7.3	7.3		
NB	5+28	10	11	12.3	12.3		
NB	5+33	40	5	22.3		22.3	
NB	7+13	5	11	6.2	6.2		
NB	8+98	60	5	33.4			33.4
NB	15+84	10	11	12.3	12.3		
NB	23+76	6	11	7.4	7.4		
NB	24+82	10	11	12.3	12.3		
NB	31+36	20	10	22.3		22.3	
NB	31+68	6	10	6.7	6.7		
NB	32+74	20	5	11.2	11.2		
NB	33+26	40	10	44.5			44.5
NB	34+32	100	10	111.2			111.2
NB	40+66	6	11	7.4	7.4		
NB	41+18	6	11	7.4	7.4		
NB	42+24	10	11	12.3	12.3		
NB	42+77	10	11	12.3	12.3		
NB	45+94	6	11	7.4	7.4		
NB	52+27	6	11	7.4	7.4		
NB	52+80	8	11	9.8	9.8		
NB	55+44	8	11	9.8	9.8		
NB	61+25	8	11	9.8	9.8		
NB	63+36	6	11	7.4	7.4		
NB	64+42	10	11	12.3	12.3		
NB	77+09	8	11	9.8	9.8		
NB	78+14	30	15	50.0			50
	SUI	BTOTAL			188.8	44.6	239.1

LANE LOCATION	LOCATION STATION LENGTH WIDTH		AREA	CLASS C PATCHES, TYPE II, 13 INCH	CLASS C PATCHES, TYPE III, 13 INCH	CLASS C PATCHES, TYPE IV, 13 INCH	
		(FEET)	(FEET)	(SQYD)	(SQYD)	(SQYD)	(SQYD)
OLD IL 37							
SBL	1+58	6	11	7.3	7.3		
SBL	5+28	8	11	9.8	9.8		
SBL	7+13	5	11	6.1	6.1		
SBL	9+50	6	11	7.3	7.3		
SBL	15+84	6	11	7.3	7.3		
SBL	21+65	б	11	7.3	7.3		
SBL	22+70	10	11	12.2	12.2		
SBL	22+70	12	11	14.7	14.7		
SBL	23+76	6	11	7.3	7.3		
SBL	24+29	10	11	12.2	12.2		
SBL	24+82	10	11	12.2	12.2		
SBL	31+36	20	10	22.2		22.2	
SBL	31+68	6	10	6.7	6.7		
SBL	33+26	8	11	9.8	9.8		
SBL	34+32	40	11	48.9			48.9
SBL	39+60	10	11	12.2	12.2		
SBL	40+66	6	11	7.3	7.3		
SBL	41+18	6	11	7.3	7.3		
SBL	42+24	6	11	7.3	7.3		
SBL	42+77	12	11	14.7	14.7		
SBL	45+94	6	11	7.3	7.3		
SBL	52+27	6	11	7.3	7.3		
SBL	52+80	8	11	9.8	9.8		
SBL	56+76	8	11	9.8	9.8		
SBL	58+61	10	11	12.2	12.2		
SBL	60+72	8	11	9.8	9.8		
SBL	63+36	6	11	7.3	7.3		
SBL	64+42	6	11	7.3	7.3		
SBL	64+94	10	11	12.2	12.2		
SBL	77+09	8	11	9.8	9.8		
SBL	78+14	30	15	50			50
	SUI	BTOTAL			261.8	22.2	98.9

TOTALS	450.6	66.8	338
USE TOTAL	451	67	338

MODEL: Patching Schedule [S FILE NAME: c:\pw_work\pwido		
MODEL: Patc FILE NAME: o		

USER NAME = Jacob.Stark	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/21/2023	DATE -	REVISED -	

					F.A.*				TOTAL	SHEET
PATCHING SCHEDULE						SECTION		COUNTY	SHEETS	NO.
					*	(110-2)RS-2	JE	FFERSON	16	12
							C	ONTRACT	NO. 78/	<b>\34</b>
EET	OF 16	SHEETS	STA.	TO STA.		ILLINOIS FE	D. AID PRO	NECT		

#### **RESURFACING TRANSITION** MILLING TRANSITION EOP IL 37 — Ç OLD IL 37 (SBI 142) STA. 0+00 STA. 0+10 STA. 78+43 STA. 22+20 STA. 40+65 STA. 0+60 STA. 21+75 STA. 77+93 HMA SURFACE COURSE (1 1/2") -HMA SURFACE REMOVAL 2 3/4" 45' TRANSITION HMA SURFACE COURSE (1 1/2") - HMA SURFACE REMOVAL 1 1/2" \*\*SAW CUT -10' INLAY 45' TRANSITION HMA BINDER COURSE, IL-19.0, N50 HMA BINDER COURSE, IL-9.5FG, N50 240:1 240:1 EXISTING HMA PVMT EX PVMT-2 3/4" MILL SECTION EX. PVMT 1.5" MILL SECTION PROPOSED HMA SURFACE TEMPORARY RAMP TEMPORARY RAMP EOP IL 37 REMOVAL 1 1/2" 3 3/4" MILLING DEPTH EXISTING PCC PVMT 1/2" MILLING DEPTH PROPOSED HMA BINDER TRANSITION-VARIABLE DEPTH MILLING COURSE (2 1/4") PROPOSED HMA SURFACE COURSE (1 1/2") VARIABLE DEPTH HMA BINDER COURSE, IL-9.5FG, N50 PROPOSED HMA SURFACE COURSE (1 1/2") \*VARIABLE DEPTH MILLING 1 1/2" TO 3 3/4" SECTION A-A SECTION A-A \* THE VARIABLE DEPTH MILLING WILL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL 1 1/2" \* INCLUDED IN THE COST OF HMA SURFACE REMOVAL 1 1/2" \*\*INCLUDED IN THE COST OF HMA SURFACE REMOVAL 1 1/2" **RESURFACING TRANSITION** - @ OLD IL 37 (SBI 142) STA. 30+50 STA. 30+60 STA. 31+42 STA. 31+52 HMA SURFACE COURSE (1 1/2") -HMA SURFACE REMOVAL 2 3/4" \*SAW CUT \*SAW CUT 10' INLAY 10' INLAY HMA BINDER COURSE (1 1/4") DRAINAGE STRUCTURE UNDER SN 041-9905 TEMPORARY RAMPS TEMPORARY RAMP EX HMA PVMT TEMPORARY RAMP EX HMA PVMT HMA SURFACE COURSE (1 1/2") EXISTING PCC PVMT | EXISTING PCC PVMT - HMA SURFACE REMOVAL 1 1/2" SECTION A-A \* INCLUDED IN THE COST OF HMA SURFACE REMOVAL 1 1/2" ISER NAME = Jacob.Stark DESIGNED -REVISED SECTION COUNTY **MILLING AND RESURFACING TRANSITIONS** STATE OF ILLINOIS DRAWN REVISED

**DEPARTMENT OF TRANSPORTATION** 

SCALE:

SHEET

OF 16 SHEETS STA.

CHECKED -

DATE

LOT DATE = 12/13/2023

REVISED

REVISED

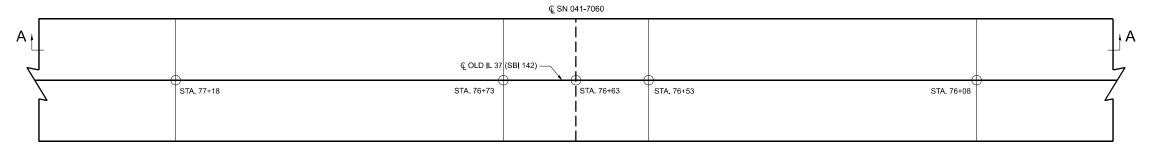
(110-2)RS-2

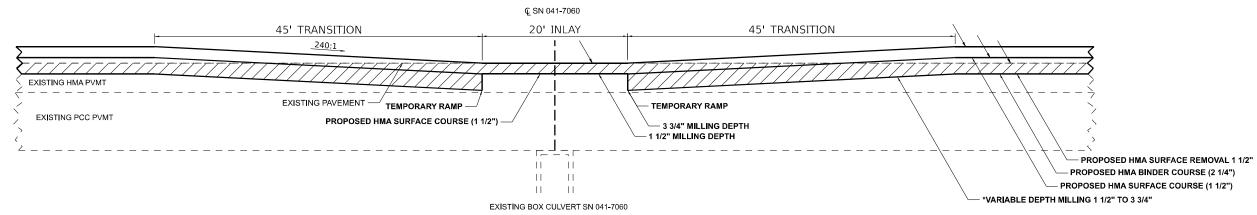
JEFFERSON

CONTRACT NO. 78A34

# **BOX CULVERT INLAY TRANSITION**

SN 041-7060





## SECTION A-A

 $^{\star}$  THE VARIABLE DEPTH MILLING WILL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL 1 1/2"

MODEL: SN 041-7060 INLAY [Sheet]
FILE NAME: c:\pw\_work\pwidot\jacob.stark@illinois.g

USER NAME = Jacob.Stark	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/21/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

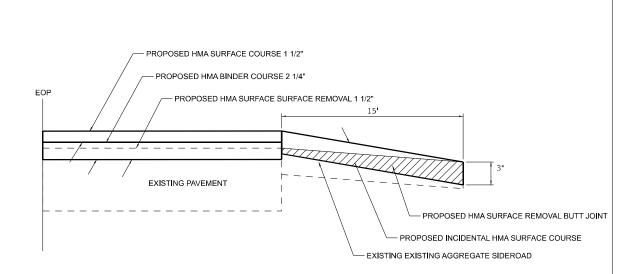
SCALE:

	SN 04	1-70	60 INLA	/ DETAIL		F.A.* RTE.	SEC <sup>-</sup>	TION		COUNTY	TOTA
						*	(110-2	)RS-2		JEFFERSON	16
										CONTRACT	NO.
SHEET	OF	16	SHEETS	STA.	TO STA.			ILLINOIS	FED AL	PROJECT	

## **OLD 37 SIDEROAD AND ENTRANCE DETAILS**

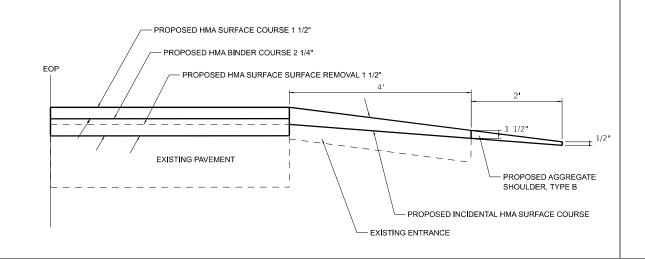
# PROPOSED HMA SURFACE COURSE 1 1/2" PROPOSED HMA BINDER COURSE 2 1/4" PROPOSED HMA SURFACE SURFACE REMOVAL 1 1/2" 15' EXISTING PAVEMENT PROPOSED HMA SURFACE REMOVAL BUTT JOINT PROPOSED INCIDENTAL HMA SURFACE COURSE

- EXISTING HMA OR O&C SIDEROAD



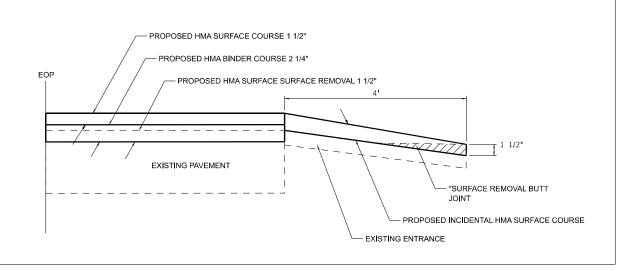
## AGGREGATE ENTRANCE

HMA, PCC OR OIL & CHIP SIDEROADS WITH BUTT JOINT



## **BITUMINOUS OR PCC ENTRANCE**

**AGGREGATE SIDEROADS** 

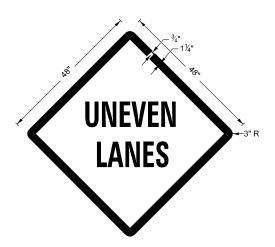


- 1. IF THE EXISTING SUBASE IS INADEQUATE, AS DETERMINED BY THE ENGINEER, THE SIDE ROADS SHALL BE CORED OUT AND AGGREGATE SUBBASE, TYPE B SHALL BE PLACED FOR BASE. THE COST OF CORING OUT THE SIDEROAD AND ANY AGGREGATE BASE COURSE SHALL BE PAID FOR AS SPECIFIED IN ART. 109.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. IF EXISTING SUBBASE IS DETERMINED TO BE ADEQUATE, THE PREPARTION OF THE BASE SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.09.
- 2. VARIABLE SHAPING IS INCLUDED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACING.
- 3. \*SURFACE REMOVAL BUTT JOINT ON ENTRANCES IS INCLUED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACING.

USER NAME = Jacob.Stark	DESIGNED -	REVISED -			SIDE	ROAD A	ND FNTR	ANCE DE	ΤΔΙΙ S	F.A.*	SF	ECTION	COUNTY	TOTAL	SHEET	
	DRAWN -	REVISED -	STATE OF ILLINOIS		OIDEI	NOAD A	NAD EIGH	ANOL DE	IAIEO	*	(110	0-2)RS-2	JEFFERSON	16	15	
PLOT SCALE = 0.16666633 '/in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					_					CONTRACT	T NO. 78/	A34	
PLOT DATE = 11/21/2023	DATE -	REVISED -		SCALE:	SHEET	OF ·	16 SHEET	S STA.	TO STA.			ILLINOIS FED. AI	O PROJECT			

## **UNEVEN LANES SIGN**

W8-11 (48" X 48")



#### **COLORS:**

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

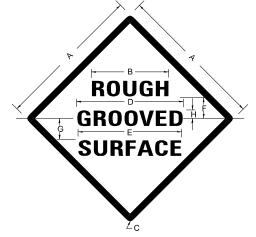
PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL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

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

> DRAWN 02-15-89 REVISED 05-08-08 REVISED 10-21-21 STD. 9-24 REVISED 05-27-22

## **ILLINOIS STANDARD ROUGH GROOVED SURFACE SIGN**



#### COLORS

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

SIGN		DIMENSIONS											
SIZE	Α	В	С	D	Е	F	G	Н					
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5					

	5	SERIES	S			BLANK STD.	
SIGN		LINES		MAR- GIN			
SIZE	1	2	3		DER		
48X48	7C	7C	7C	8.0	1.2	B4-48D	

ALL DIMENSIONS IN INCHES

#### **NOTES**

SCALE:

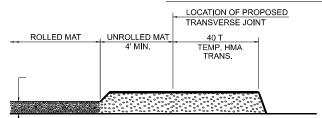
PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

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

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

DRAWN 02-15-89 REVISED 03-27-08 REVISED 10-21-21 STD. 9-23 REVISED 05-27-22

## TEMPORARY HOT-MIX ASPHALT TRANSITIONS



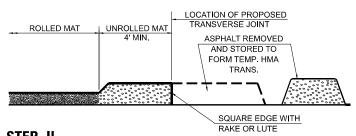
#### STEP I

- 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.

## LOCATION OF PROPOSED TRANSVERSE JOINT TEMP. HMA JOINT PAPER FEATHER OR MATERIAL

#### 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.

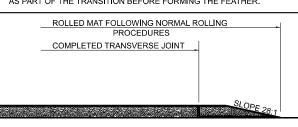


ISER NAME = Jacob.Stark

LOT DATE = 11/21/2023

### STEP II

- MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
- SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
- NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



## STEP IV

DESIGNED -

DRAWN

DATE

CHECKED

1. COMPLETE TEMPORARY TRANSITION BY ROLLING.

REVIS

- 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 STD. 9-18 REVISED 05-26-22

REVISED -	
REVISED -	STATE OF ILLINOIS
REVISED -	DEPARTMENT OF TRANSPORTATION
REVISED -	

DISTRICT STANDARDS					F.A.* RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
				*	(110-2)RS-2		JEFFERSON	16	16		
							CONTRACT NO. 78A34				
	SHEET	OF 16 SH	HEETS STA.	TO	STA.	ILLINOIS FED, AID PROJECT					