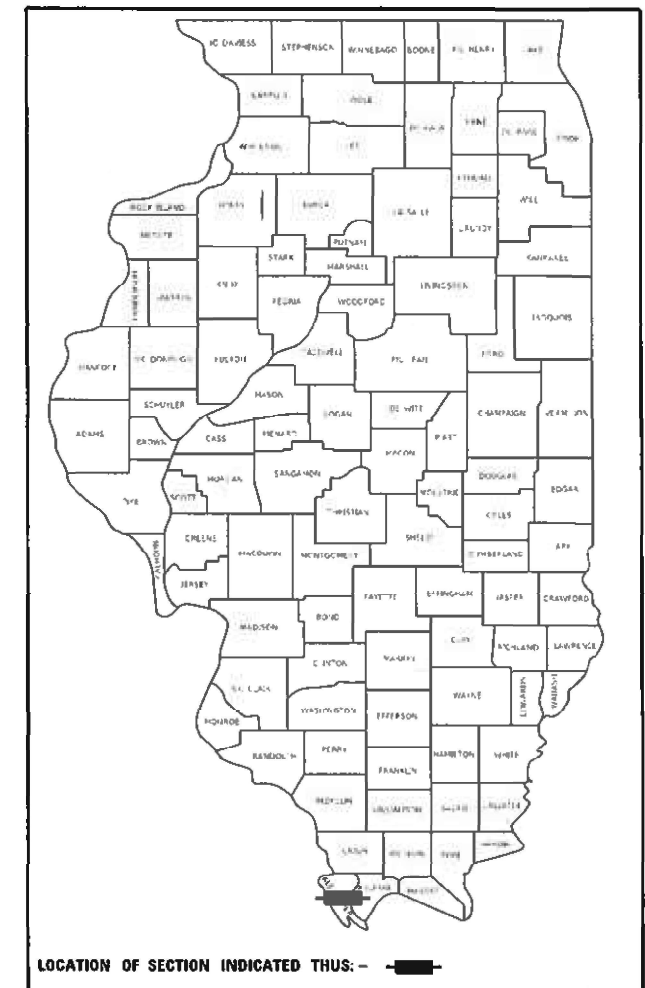


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14	135RS-2	ALEXANDER	11	1
		ILLINOIS	CONTRACT NO. 78875	

D-99-053-21



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 14 (IL 3)
SECTION 135RS-2
PROJECT STP-2CQ1(667)
RESURFACING
ALEXANDER COUNTY

C-99-069-21

11-5-2021 LETTING ITEM 113

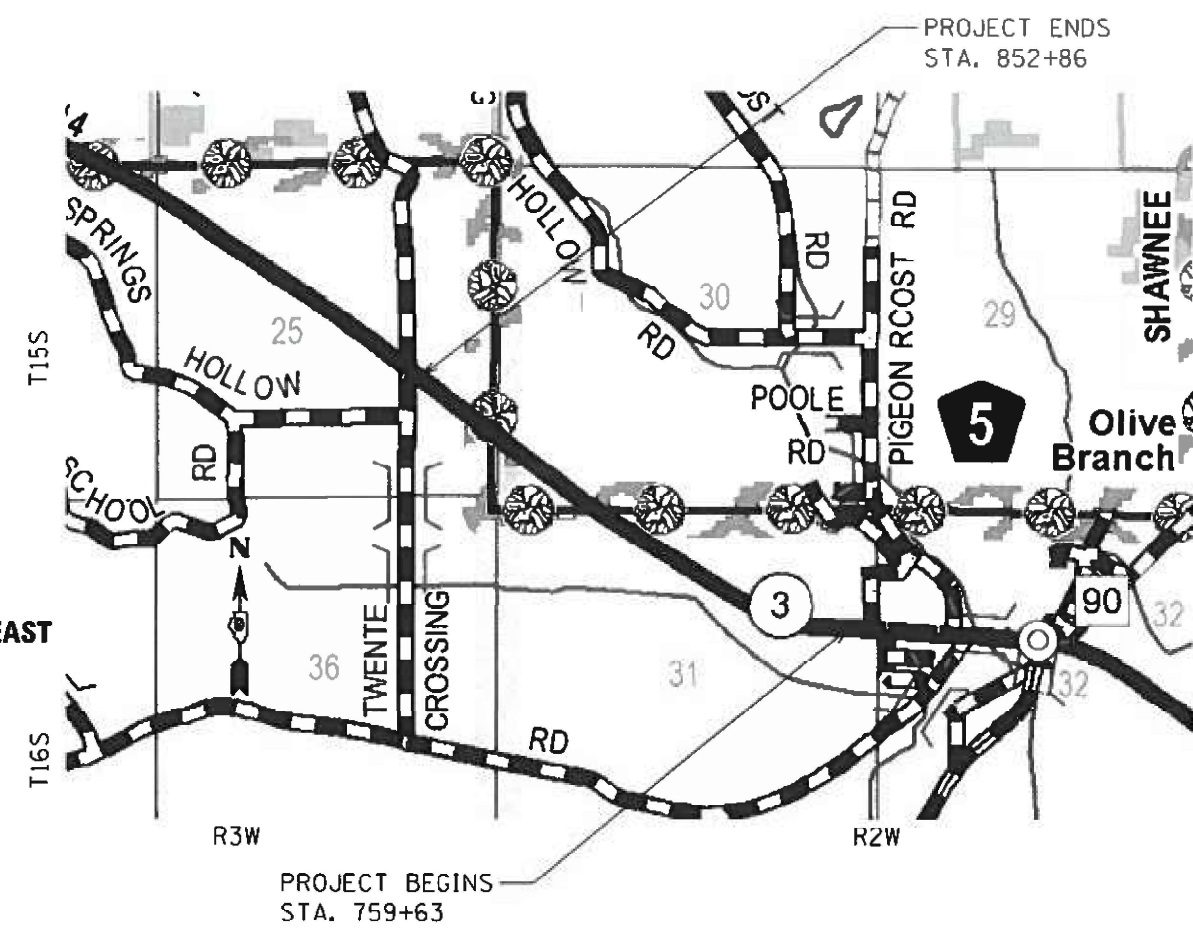
FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 6-7

TRAFFIC DATA

TRAFFIC DATA IL 3			
IL 3			
Brownville Rd to Pigeon Roost Rd			
	2019	2021	2041
PV =	2,610	2,660	3,250
SU =	190	195	235
MU =	300	305	375
ADT =	3,100	3,160	3,860

TOWNSHIPS

OLIVE BRANCH
SANTA FE



COORDINATE SYSTEM : NAD 1983 STATEPLANE ILLINOIS EAST
POSTED SPEED : 40-55 MPH

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

PROJECT ENGINEER VALERIE ROLLA
PROJECT DESIGNER BRANDY MAES

CONTRACT NO. 78875

GROSS LENGTH = 9323 FT. = 1.77 MILES
NET LENGTH = 9323 FT. = 1.77 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 06-21-21

[Signature]
REGION FIVE ENGINEER

August 13, 2021

[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

August 13, 2021

[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

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.

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

COMMITMENTS: NONE

MTD CROSSING RESTRICTIONS TABLE	
SN & CENTERLINE STATION IL 3 (FAP 14)	MTD CROSSING RESTRICTIONS
SN 002-7003 (STA. 804+81)	Empty MTD*
SN 002-7004 (STA. 820+65)	Empty MTD*
SN 002-7005 (STA. 825+93)	Empty MTD*
SN 002-7006 (STA. 837+55)	Empty MTD*
SN 002-7007 (STA. 847+05)	Empty MTD*

* maximum gross weight of 40 tons

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 OFFICE: District 9
 DATE: 6/14/2021

	USER NAME = maesbl DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, COMMITMENTS & MTD TABLE	F.A.P. RTE. 14	SECTION 135RS-2	COUNTY ALEXANDER	TOTAL SHEETS 11	SHEET NO. 4
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT		

HMA MIXTURE REQUIREMENTS

Location(s):	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N70
AB/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-9.5mm
Friction Aggregate:	C Surface
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Pr	QCQA
Sublot Size:	TBD

Location(s):	Hot-Mix Asphalt Binder Course
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N70, IL-19.0
AB/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-19.0mm
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Pr	QCQA
Sublot Size:	TBD

Location(s):	Hot-Mix Asphalt Shoulders
Mixture Use(s):	Hot-Mix Asphalt Surface Course, N30, IL-9.5L
AB/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 30 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-9.5L
Friction Aggregate:	None
Mixture Weight:	112 lbs./Sq. Yd/in
Quality Management Pr	QCQA
Sublot Size:	NA

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	DRAWN -	REVISED -
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PLOT DATE = 6/14/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MIX DESIGN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14	135RS-2	ALEXANDER	11	5
CONTRACT NO. 78875				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

COUNTY:	ALEXANDER
ROUTE:	FAP 14 (IL 3)
FUNDING:	80% FEDERAL 20% STATE
LOCATION:	RURAL
	ROADWAY
	0005

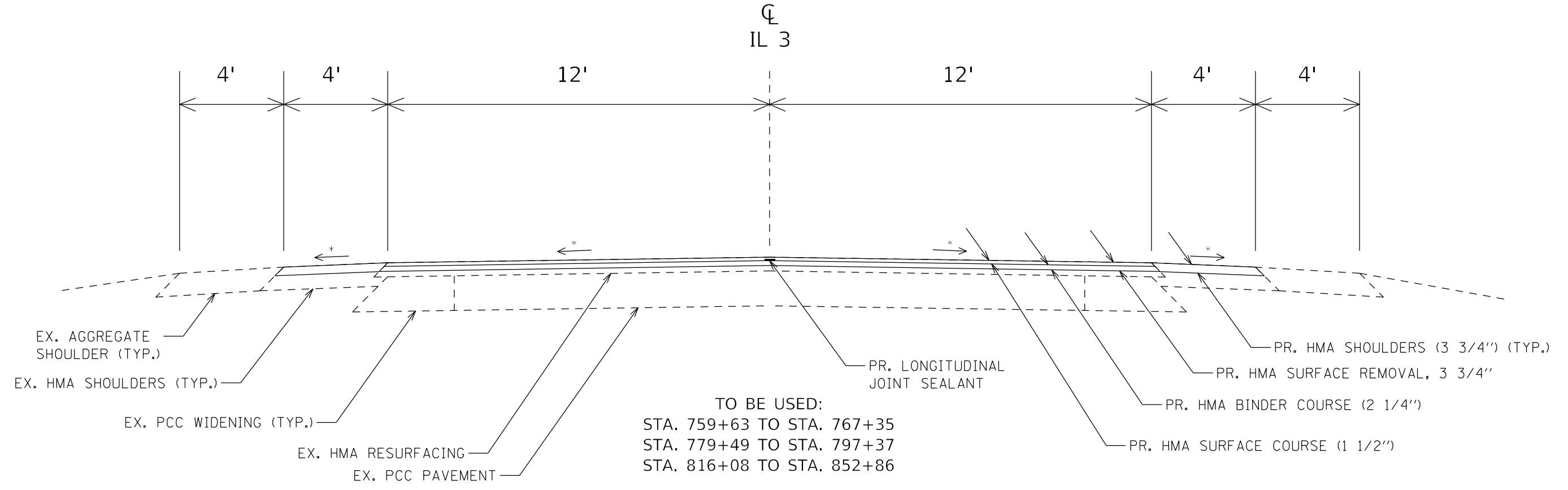
CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	23,323
40600990	TEMPORARY RAMP	SQ YD	28
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19 0, N70	TON	3,193
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	2,102
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	34,551
44201389	CLASS C PATCHES, TYPE II, 13 INCHES	SQ YD	435
44201394	CLASS C PATCHES, TYPE III, 13 INCHES	SQ YD	40
44201461	CLASS C PATCHES, TYPE II, 20 INCHES	SQ YD	53
48203100	HOT-MIX ASPHALT SHOULDERS	TON	2,037
67100100	MOBILIZATION	L SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1.0
70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	14

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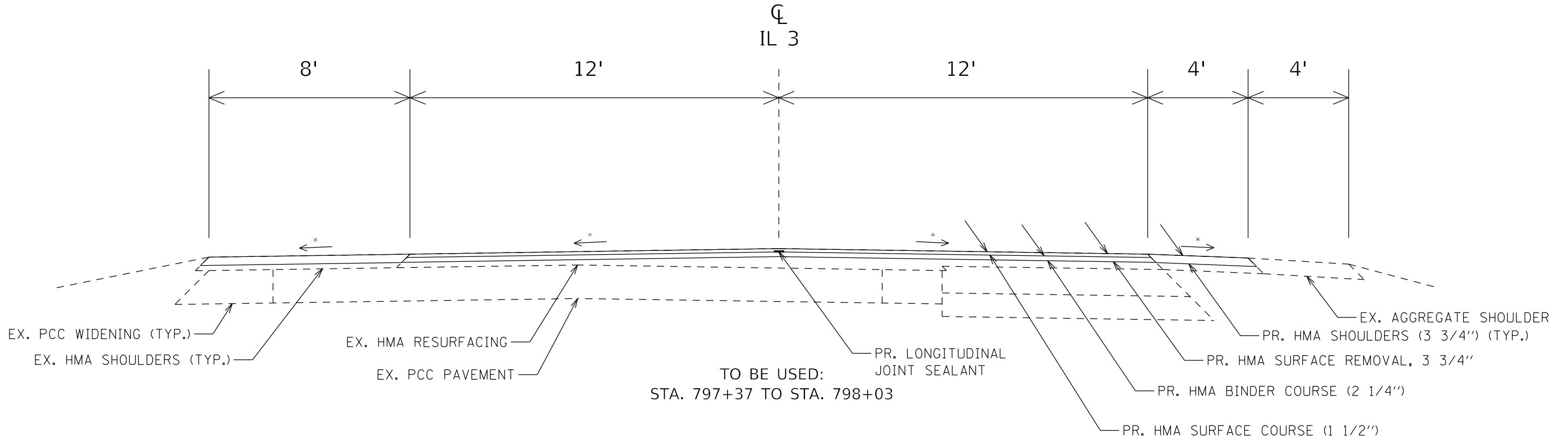
REV. - MS

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* MATCH EXISTING SLOPE



TO BE USED:
 STA. 759+63 TO STA. 767+35
 STA. 779+49 TO STA. 797+37
 STA. 816+08 TO STA. 852+86



TO BE USED:
 STA. 797+37 TO STA. 798+03

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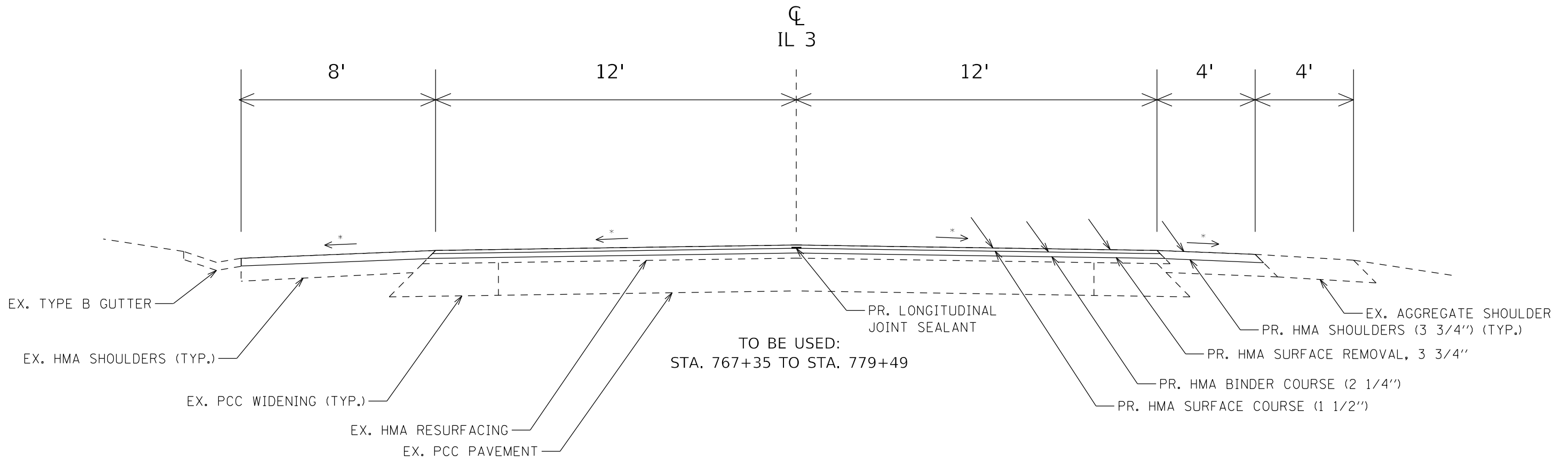
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

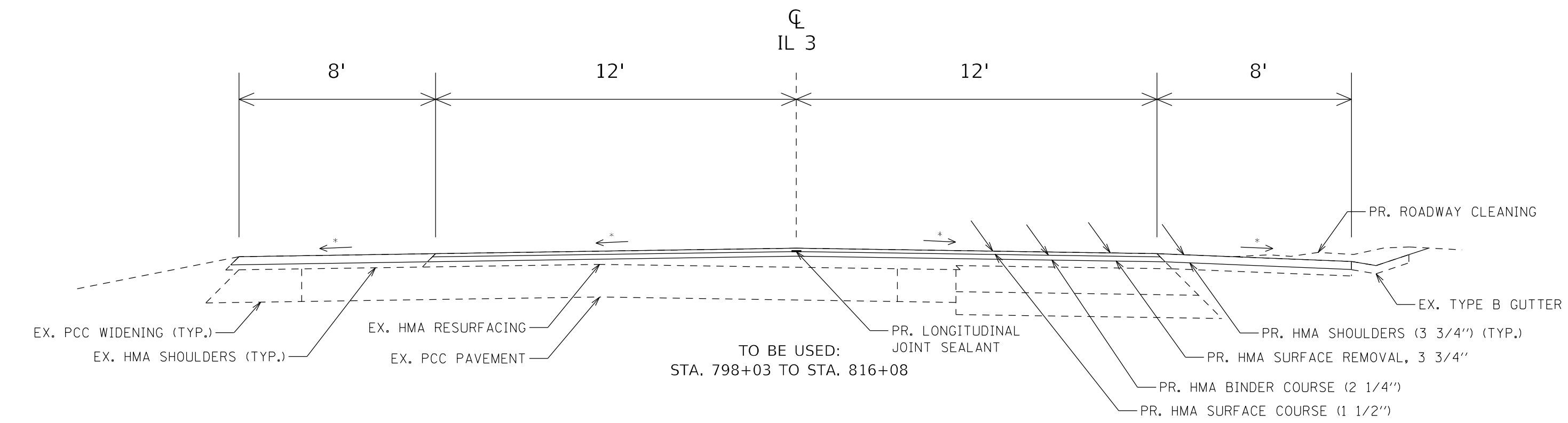
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14	135RS-2	ALEXANDER	11	8
CONTRACT NO. 78875				
ILLINOIS FED. AID PROJECT				

* MATCH EXISTING SLOPE



TO BE USED:
STA. 767+35 TO STA. 779+49



TO BE USED:
STA. 798+03 TO STA. 816+08

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 PLOT DATE: 6/14/2021

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/14/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14	135RS-2	ALEXANDER	11	9
CONTRACT NO. 78875				
ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE

LOCATION			LENGTH	HMA SURFACE REMOVAL, 3 3/4"	HMA BINDER COURSE, 2 1/4"	HMA SURFACE COURSE, 1 1/2"	HMA SHOULDER, 3 3/4"	TEMP RAMP	MATERIAL TRANSFER DEVICE	LONGITUDINAL JOINT SEALANT	BIT. MAT'L (TACK COAT)
STATION TO STATION			FEET	SQ YD	TON	TON	TON	SQ YD	TON	FOOT	POUND
759+63	TO	767+35	772	2745	265	174	145	14	439	772	1853
767+35	TO	779+49	1214	4856	416	274	340		690	1214	3278
779+49	TO	797+37	1788	6358	612	403	334		1015	1788	4292
797+37	TO	798+03	66	294	23	15	25		38	66	198
798+03	TO	816+08	1805	7220	618	407	506		1025	1805	4874
816+08	TO	852+86	3678	13078	1259	829	687	14	2088	3678	8828
TOTAL				34551	3193	2102	2037	28	5295	9323	23323

PAVEMENT MARKING SCHEDULE

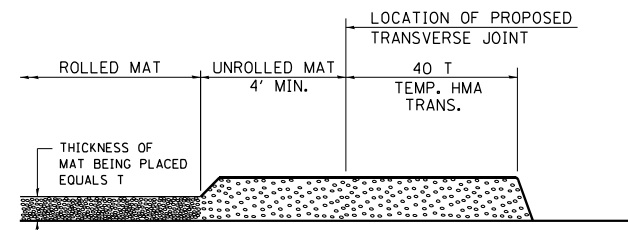
LOCATION			LENGTH	PAINT PAVEMENT MARKING - LINE 4"			RRPM	RRPM REMOVAL	SHORT TERM PAVT MARKING REMOVAL	SHORT TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING, LINE 4"	TEMPORARY PAVT MARKING REMOVAL
				SOLID		SKIP DASH						
				WHITE	YELLOW	YELLOW						
STATION	TO	STATION	FOOT	FOOT	FOOT	FOOT	EACH	EACH	SQ FT	FOOT	FOOT	SQ FT
759+63	TO	772+00	1237	2474	0	495	16	16	124	372	2969	990
772+00	TO	783+46	1146	2292	1146	459	15	15	242	726	3897	1299
783+46	TO	785+11	165	330	330	0	3	3	64	192	660	220
785+11	TO	796+07	1096	2192	1096	439	14	14	220	660	3727	1243
796+07	TO	852+86	5679	11358	0	2272	71	71	1136	3408	13630	4544
SUBTOTAL				18646	2572	3665	119	119	1786	5358	24883	8296
TOTAL				24883								

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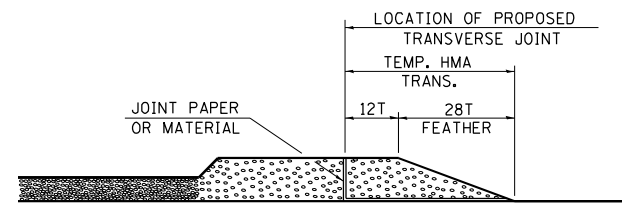
TEMPORARY HOT-MIX ASPHALT TRANSITIONS

ILLINOIS STANDARD



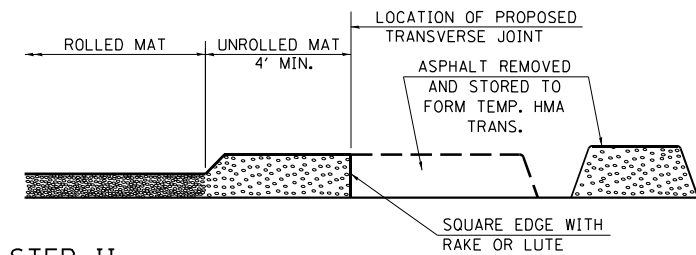
STEP I

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.



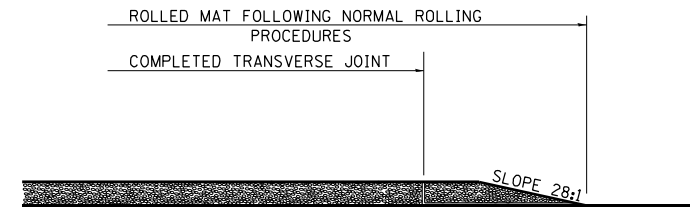
STEP III

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.

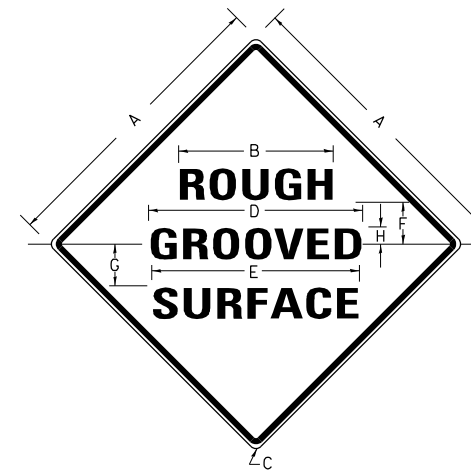


STEP IV

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
REVISED	05-16-13

STD. 9-26



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.

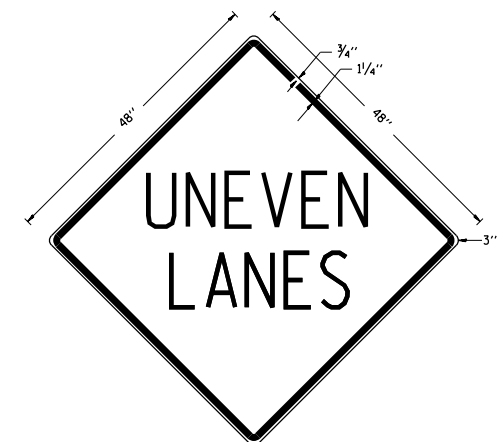
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

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

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PLOT DATE = 6/14/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14	135RS-2	ALEXANDER	11	11
CONTRACT NO. 78875				
ILLINOIS FED. AID PROJECT				