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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PROPOSED

D-99-053-21

TRAFFIC_DATA

FOR INDEX OF SHEETS, SEE SHEET NO. 3

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

TRAFFIC DATA IL 3							
	IL 3						
Bro	wnville Rd to	Pigeon Roos	t 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

SANTA FE

OLIVE BRANCH

COORDINATE SYSTEM: NAD 1983 STATEPLANE ILLINOIS EAST

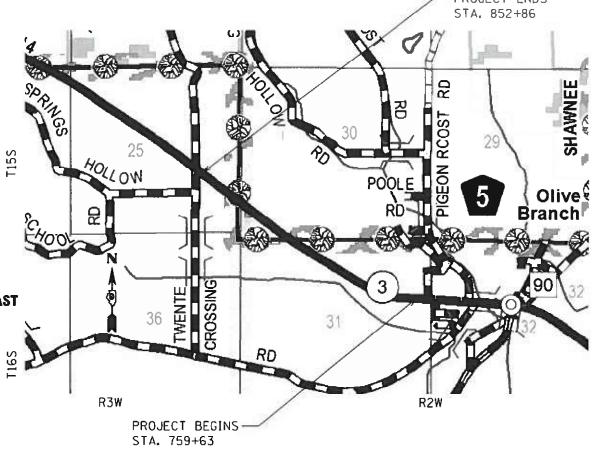
POSTED SPEED: 40-55 MPH

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

HIGHWAY PLANS FAP ROUTE 14 (IL 3) SECTION 135RS-2 PROJECT STP-2CQ1(667) RESURFACING **ALEXANDER COUNTY** C-99-069-21 PROJECT ENDS



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

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SUBMITTED 06-2(-20 2(REGION FIVE ENGINEER August 13

LOCATION OF SECTION INDICATED THUS: - -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

Prepared By: Clarks Stein
DISTRICT STUDIES & PLANS ENGINEER

Examined By:

Examined By:

DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By:

DISTRICT OPERATIONS ENGINEER

Examined By:

Examined By:

Examined By:

DISTRICT MATERIALS ENGINEER

REVISED -COUNTY TOTAL SHEETS NO.

ALEXANDER 11 2 DRAWN -REVISED . STATE OF ILLINOIS SIGNATURE SHEET CHECKED . PLOT SCALE = 100,0000 17 in. REVISED -**DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 78875 SCALE: OF SHEETS STA.

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS & HIGHWAY STANDARDS
4	GENERAL NOTES, COMMITMENTS & MTD TABLE
5	MIX DESIGN
6 - 7	SUMMARY OF QUANTITIES
8-9	TYPICAL SECTIONS
10	SCHEDULES
11	DETAILS

HIGHWAY STANDARDS

000001-08	Standard Symbols, Abbreviations and Patterns
001001-02	Areas of Reinforcement Bars
001006	Decimal of an Inch and of a Foot
442201-03	Class C and D Patches
701001-02	Off-Road Operations, 2L, 2W, More Than 15' Away
701006-05	Off-Road Operations, 2L, 2W, 15' to 24" From Pavement Edge
701011-04	Off-Road Moving Operations, 2L, 2W, Day Only
701301-04	Lane Closure, 2L, 2W, Short Time Operations
701306-04	Lane Closure, 2L, 2W, Slow Moving Operations Day Only, for Speeds > 45 MPH
701311-03	Lane Closure 2L, 2W, Moving Operations - Day Only
701336-07	Lane Closure, 2L, 2W, Work Areas in Series, for Speeds > 45 MPH
701901-08	Traffic Control Devices
780001-05	Typical Pavement Markings
781001-04	Typical Applications Raised Reflective Pavement Markers

REV. - MS

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	PLOT DATE = 6/14/2021	DATE	REVISED +	

SHEET

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

SN & CENTERLINE STATION IL 3 (FAP 14)	MTD CROSSING RESTRICTIONS
5N 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*

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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:	11 10 0	
(Mixture Gradation)	IL -19 . 0nm	
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:	1L - 9 . 5L
(Mixture Gradation)	112.3.30
Friction Aggregate:	None
Mixture Weight:	112 lbs./Sq. Yd/in
Quality Management Pr	QCQA
Sublot Size:	NA

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

						F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		IVI	IX DESIG	N		14	135RS-2	ALEXANDER	11	5
								CONTRACT	NO. 78	3875
E:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FEE	. AID PROJECT		

SUMMARY	OF	QUANTITIES

COUNTY: ROUTE: LOCATION:

ALEXANDER FAP 14 (IL 3) FUNDING: 80% FEDERAL 20% STATE RURAL

	M	LUCATION:	RURAL	
CODE	ITEM DESCRIPTION	UNIT	ROADWAY	
NUMBER	, production	3.3.1	0005	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	10,681	
40600990	TEMPORARY RAMP	SQ YD	28	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19,0, N70	TON	1,524	
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	1.003	
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	15,823	
44200156	PAVEMENT PATCHING, TYPE (I, 13 INCH	SQ YD	435	
44200160	PAVEMENT PATCHING, TYPE ((), 13 INCH	SQ YD	40	
44200217	PAVEMENT PATCHING, TYPE II. 20 INCH	SQ YD	53	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	832	
67100100	MOBILIZATION	L SUM	1.0	
70100466	TRAFFIC CONTROL AND PROTECTION STANDARD JOSSES	LOUM	10	
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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					F.A.P.: RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
SUMMARY OF QUANTITIES				14	135RS-2	ALEXANDER	11	6	
							CONTRACT	NO. 7	8875
OF	SHEETS	STA.	TO STA.			ILLINOIS FED. A	ID PROJECT		

SUMMARY (ЭF	QUANTITIES -	CONT
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COUNTY: ROUTE:

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

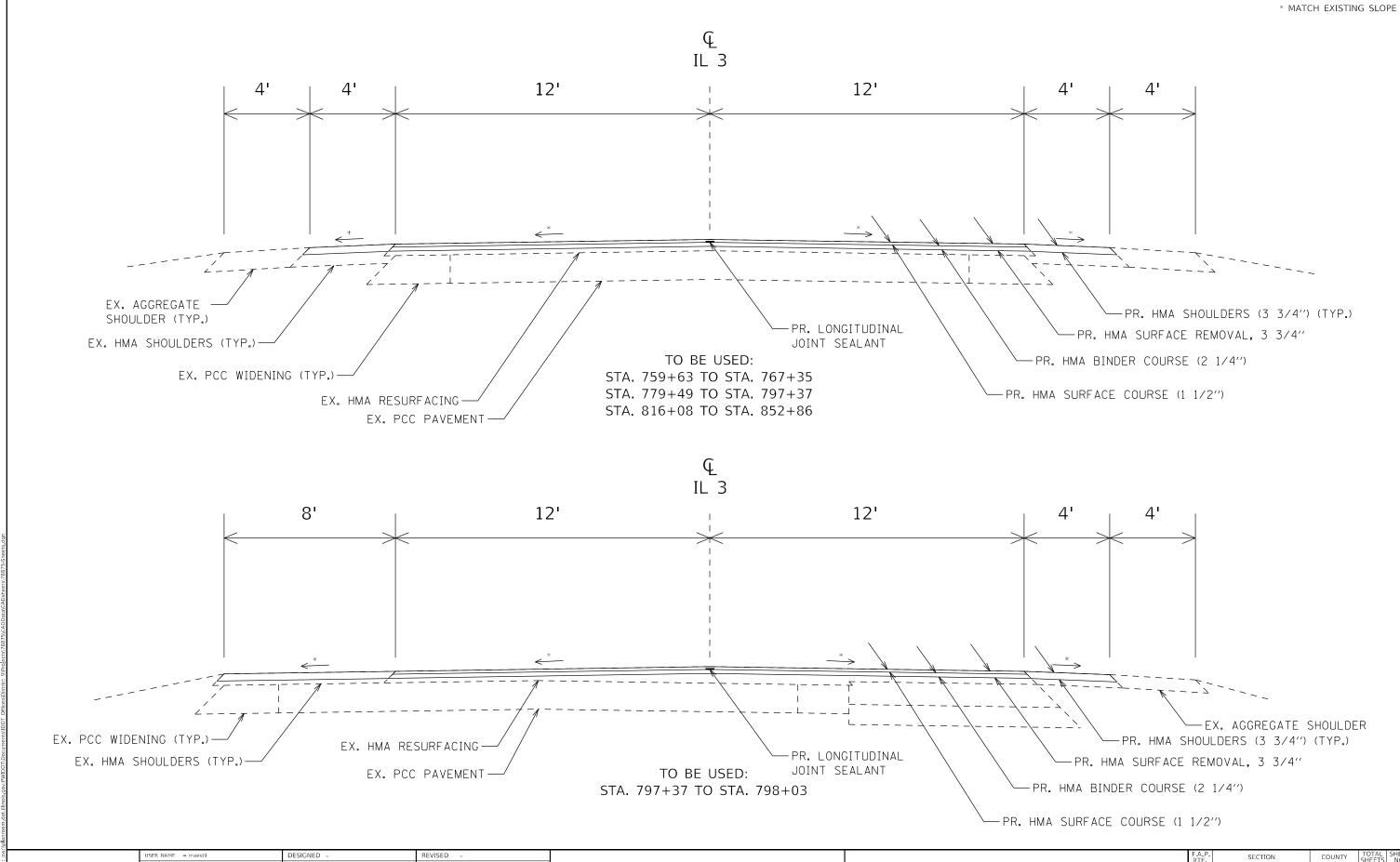
		LOCATION:	RURAL
CODE NUMBER	ITEM DESCRIPTION	UNIT	ROADWAY 0005
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5,358.0
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,786.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	24,883.0
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	24,883.0
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	119.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	119.0
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	8,296.0
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	4,450.0
Z0034105	MATERIAL TRANSFER DEVICE	TON	2,527.0

★ SPECIALTY ITEM

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SCALE:

CUMBBBB DV OF CUMBBITITIES						SECTION	COUNTY	TOTAL SHEETS	
SUMMARY OF QUANTITIES					14	135RS-2	ALEXANDER	11	7
							CONTRACT	NO. 78	3875
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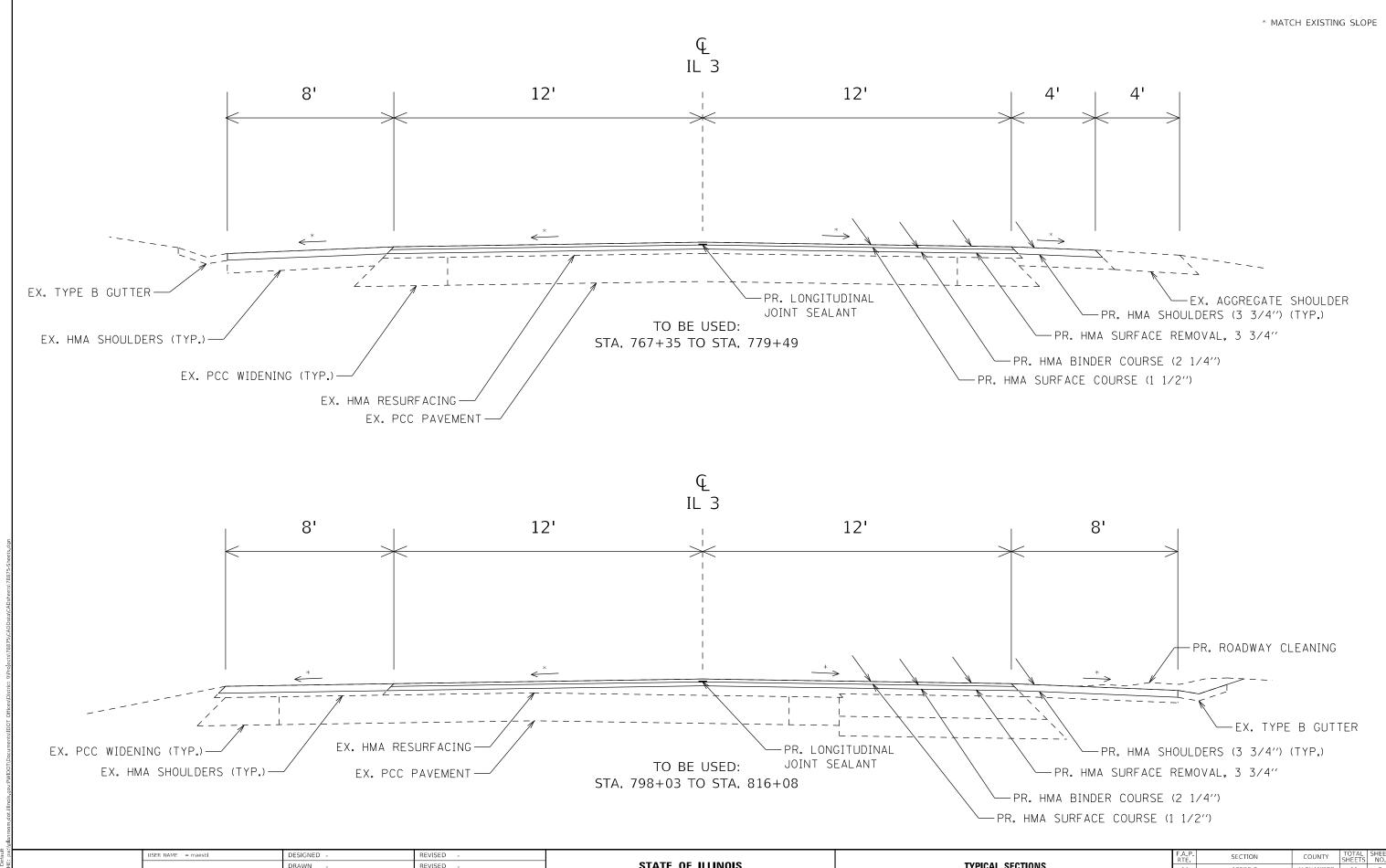
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

OF SHEETS STA. TO STA.

135RS-2 ALEXANDER 11 8
CONTRACT NO. 78875
ILLINOIS FED. AID PROJECT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OF SHEETS STA. TO STA.

E. SHEETS NO. 4 135RS-2 ALEXANDER 11 9 CONTRACT NO. 78875

RESURFACING SCHEDULE

LO	CAT	ION	LENGTH	HMA SURFACE REMOVAL, 3 3/4"	HMA BINDER COURSE, 2 1/4"	HMA SURFACE COURSE, 1 1/2"	HMA SHOULDER, 3	TEMP RAMP		LONGITUDINAL JOINT SEALANT	BIT. MAT'L (TACK COAT)
STATION	ТО	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	2. 9	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	8 8	1025	1805	4874
816+08	TO	852+86	3678	13078	1259	829	687	14	2088	3678	8828
- 0	3	TOTAL	2	15823	1524	1003	832	28	2527	4450	10681

PAVEMENT MARKING SCHEDULE

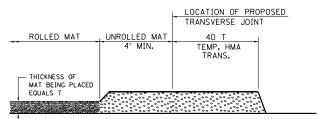
			-		11992 1992 1994			<u> </u>	The state of the s		3	2 2
1.00	· A T	ION	LENGTH			VEMENT LINE 4"	RRPM	RRPM	SHORT TERM PAVT	SHORT TERM	TEMPORARY PAVEMENT	TEMPORARY PAVT
LOC	.AT	ION	LENGIH	SO	LID	SKIP DASH	KKFW	REMOVAL	MARKING	PAVEMENT	MARKING,	, MARKING
		9 8		WHITE	YELLOW	YELLOW	9 9		REMOVAL	MARKING	LINE 4"	REMOVAL
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	1.4	220	660	3727	1243
796+07	TO	852+86	5679	11358	0	2272	71	71	1136	3408	13630	4544
s		SU	JBTOTAL	18646	2572	3665	119	9 119	1706	1786 5358	24883	8296
			TOTAL	2	2488	3	1119	119	1/00	2220	24003	0290

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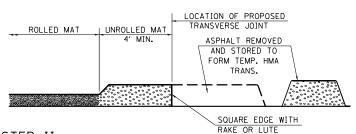
SCHEDULES							SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
	14	135RS-2		ALEXANDER	11	10						
										CONTRACT	NO. 78	3875
:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT						

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



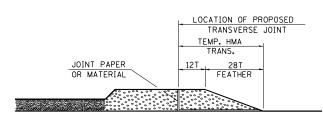
STEP

- 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.



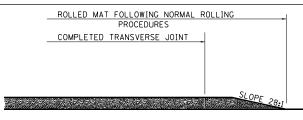
STEP II

- 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 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.



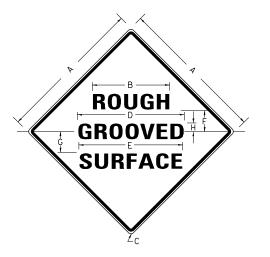
STEP IV

- 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.

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

REVISIONS

ILLINOIS STANDARD



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				

SIGN		ERIE:				BLANK STD.	
SIZE	1	2	3	GIN	DER		
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.

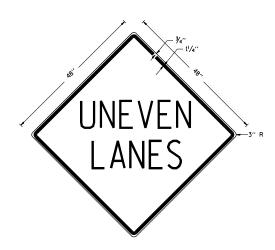
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE. THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

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 STD. 9-39 REVIEWED 5-17-13

UNEVEN LANES SIGN

 $W8-11 (48'' \times 48'')$



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 REDSIGNED 7-23-0

9-41 REVIEWED 5-17-13

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SECTION COUNTY DISTRICT DETAILS 135RS-2 ALEXANDER 11 11 CONTRACT NO. 78875 SHEETS STA. SCALE: SHEET TO STA.

LOT DATE = 6/14/2021

DESIGNED

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