

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-4)RS-6,(5-2)RS-4	JACKSON	13	1
		ILLINOIS	CONTRACT NO. 78784	

FOR INDEX OF SHEETS, SEE SHEET NO. 3

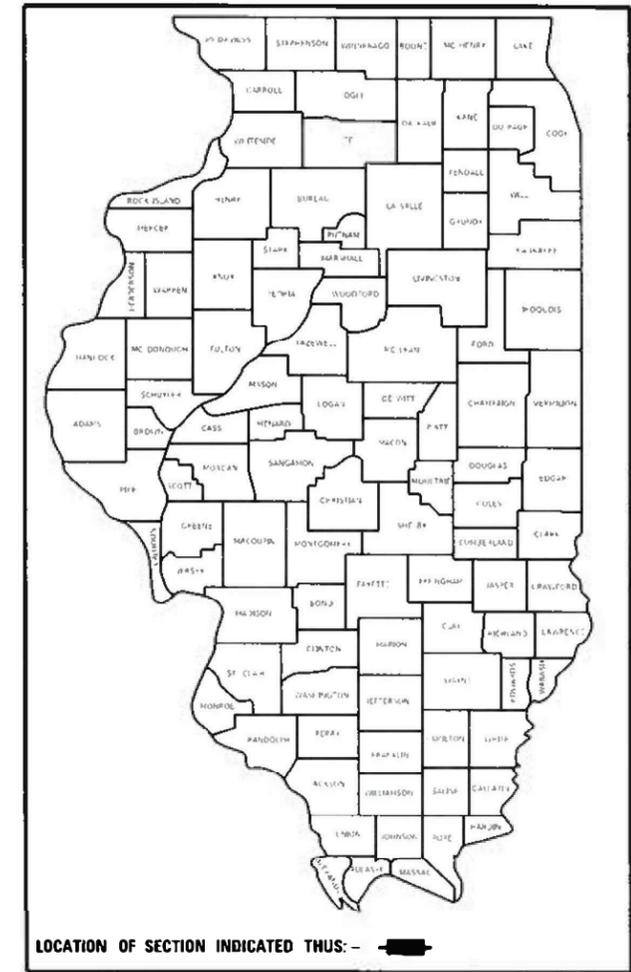
PROPOSED HIGHWAY PLANS

TRAFFIC DATA
18,100(2019) WITH 5.5% TRUCKS

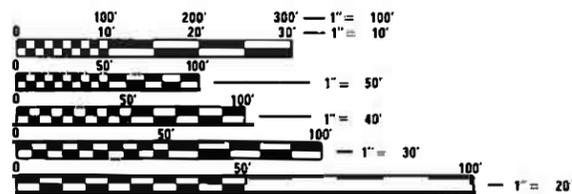
**FAP ROUTE 331 (IL 13)
SECTION (5-4)RS-6,(5-2)RS-4
PROJECT NHPP-QJY1(264)
RESURFACING IL 13
JACKSON COUNTY**

**TOWNSHIP
CARBONDALE**

D-99-035-20



POSTED SPEED : 30 MPH

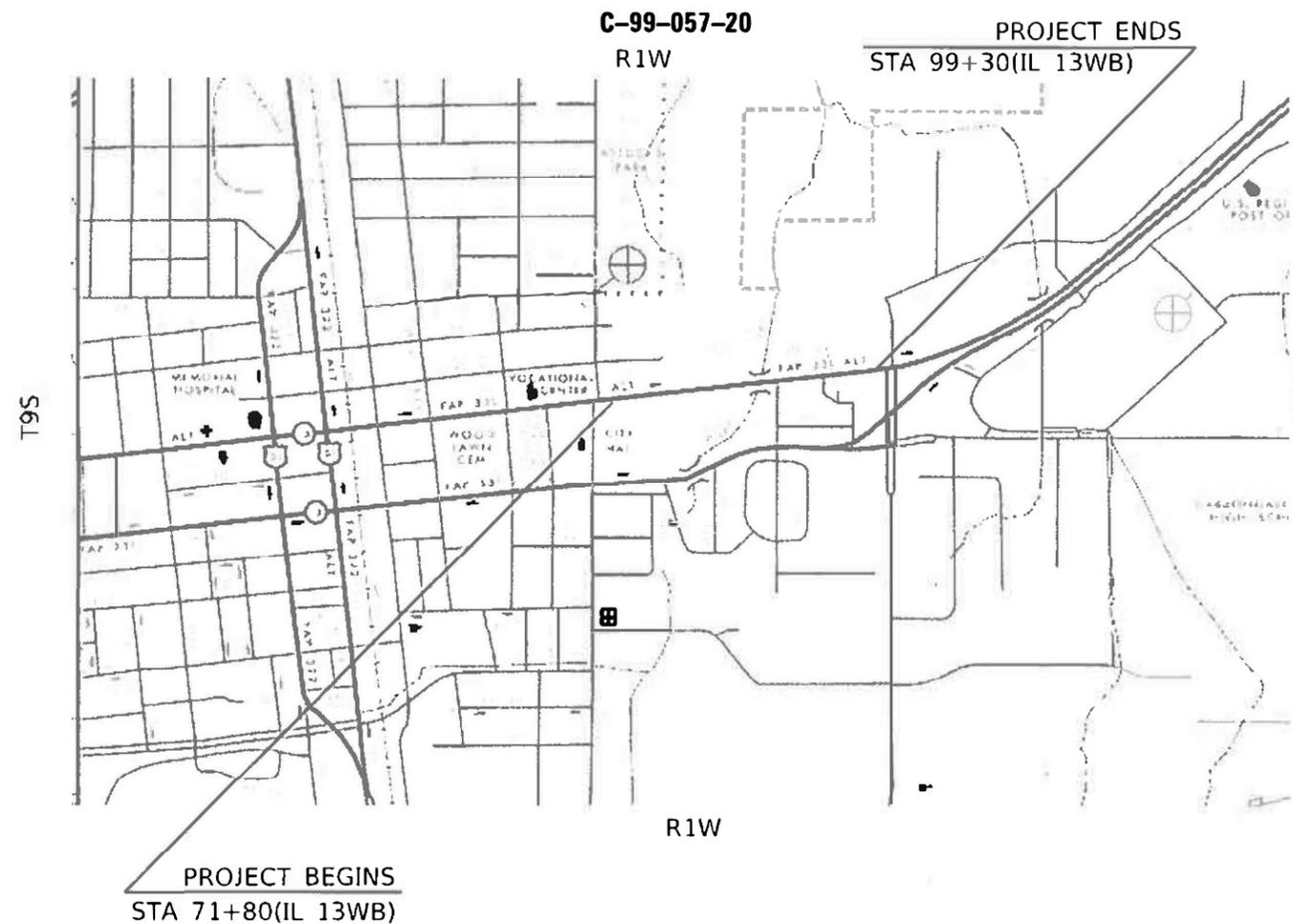


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER SUSAN POE
PROJECT MANAGER CHRIS RUSSELL

CONTRACT NO. 78784



GROSS LENGTH = 2,766.29 FT. = 0.52 MILE
NET LENGTH = 2,766.29 FT. = 0.52 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 06-29-2020

June 26, 2020

June 26, 2020

REGIONAL ENGINEER
ENGINEER OF DESIGN AND ENVIRONMENT
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

MIX DESIGN

Locations	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Polymerized Stone Matrix Asphalt, Surface, Mix E, N80
AB/PG:	SBS PG76-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 80 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm SMA
Friction Aggregate:	SMA Mix E
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCQA
Sublot Size:	NA

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	DRAWN -	REVISED -
PLOT SCALE = 94.4444' / in.	CHECKED -	REVISED -
PLOT DATE = 4/29/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MIXTURE REQUIREMENTS			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(5-4)RS-6,(5-2)RS-4	JACKSON	13	4
CONTRACT NO. 78784				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

COUNTY:	COUNTY:	JACKSON
ROUTE:	ROUTE:	FAP 331
FUNDING:	FUNDING:	80% FEDERAL 20% STATE
LOCATION:	LOCATION:	URBAN

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0005
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	28	28
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2
67100100	MOBILIZATION	L SUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	555	555
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	185	185
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	34	34
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3,974	3,974
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	2,649	2,649
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	530	530

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PLOT DATE = 4/29/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 331	SECTION (5-4)RS-6,(5-2)RS-4	COUNTY JACKSON	TOTAL SHEETS 13	SHEET NO. 6
			CONTRACT NO. 78784	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES - CONT

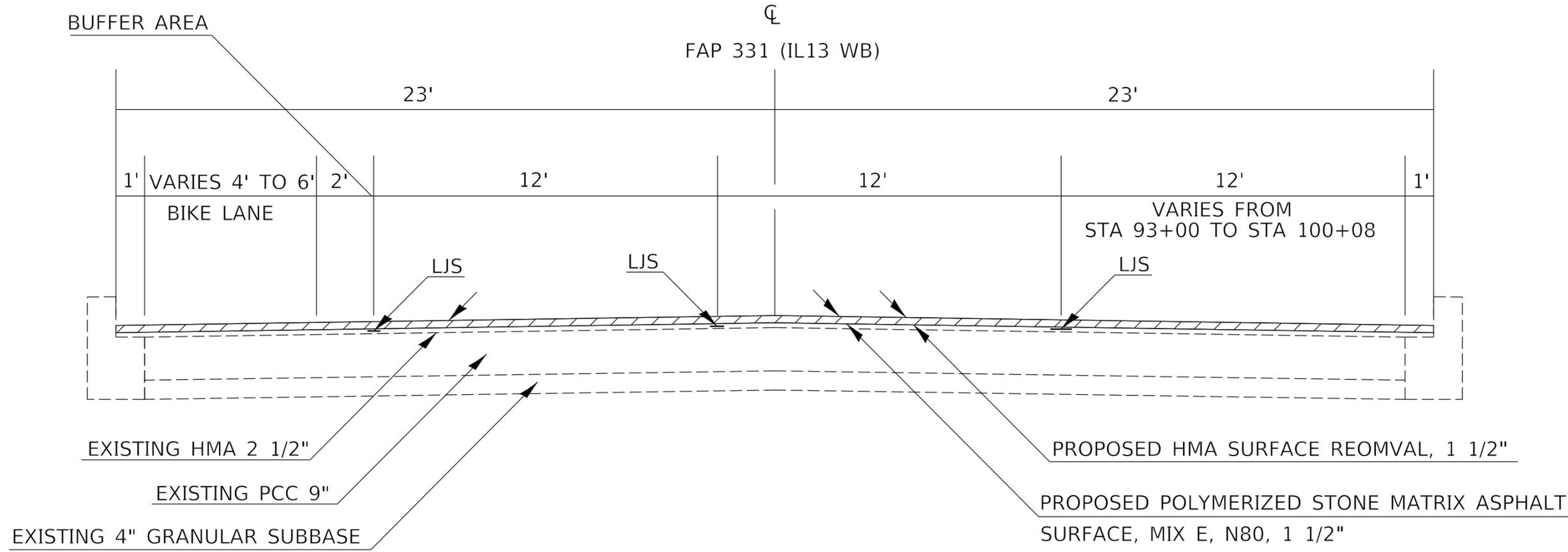
COUNTY:	COUNTY:	JACKSON
ROUTE:	ROUTE:	FAP 331
FUNDING:	FUNDING:	80% FEDERAL 20% STATE
LOCATION:	LOCATION:	URBAN

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0005
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	105	105
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	36	36
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	34	34
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3,974	3,974
* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	2,649	2,649
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	530	530
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	105	105
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	36	36
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	70	70
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	70	70
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	72	72
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	8,239	8,239

* SPECIALTY ITEM

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TO BE USED
 STA 72+00 TO STA 95+45.2
 STA 95+28.91 TO STA 99+30

STATIONING INCREASES WEST TO EAST.
 BIKE PATH WILL BE TO THE RIGHT OF TRAFFIC.

LONGITUDINAL JOINT SEALANT SHALL BE APPLIED
 UNDER THE SURFACE COURSE ALONG THE NEW LANE LINES.

STRIP REFLECTIVE CRACK CONTROL SHALL BE APPLIED
 UNDER THE SURFACE COURSE ALONG THE EXISTING LANE LINES.

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PLOT DATE = 4/29/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 331	SECTION (5-4)RS-6,(5-2)RS-4	COUNTY JACKSON	TOTAL SHEETS 13	SHEET NO. 8
ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE

LOCATION STATION	LENGTH (FEET)	PVMNT. WIDTH (FEET)	PVMNT. AREA (SQFT)	HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2" (SQ YD)	POLYMERIZED STONE MATRIX ASPHALT SURFACE MIX "E", N80 (TON)	BITUMINOUS MATERIALS (TACK COAT) (POUND)	STRIP REFLECTIVE CRACK CONTROL (FEET)	LONGITUDINAL JOINT SEALANT (FEET)	COMMENTS
STA 72+00 TO STA 93+00	2,100	46	96,600.00	10,733	902	4,830	6,300	6,300	
STA 93+00 TO STA 95+45.2	245.20	VARIES	11,420.00	1,269	107	571	736	736	WIDTH VARIES FROM 46' TO 50'
STA 95+28.91 TO STA 99+30	401.09	VARIES	20,228.00	2,248	189	1,011	1,203	1,203	WIDTH VARIES FROM 50' TO 60'
TOTALS				14,250	1,197	6,412	8,239	8,239	

- BIT. MAT. TACK COAT AT (0.05LB/SQ FT) ON MILLED SURFACE

SIDEWALK SCHEDULE

LOCATION STATION	SIDEWALK REMOVAL (SQ FT)	PORTLAND CEMENT CONCRETE SIDEWALK 5" (SQ FT)	DETECTABLE WARNINGS (SQ FT)	COMB. CURB & GUTTER REMOVAL (FOOT)	COMB. CONC. CURB & GUTTER TYPE B-6.12 (FOOT)	PROTECTIVE COAT (SQ YD)	COMMENTS
IL 13/LEWIS LANE - SW QUAD	155	195	38	28	28	20	SEE DETAIL SHEET 12
TOTALS	155	195	38	28	28	20	

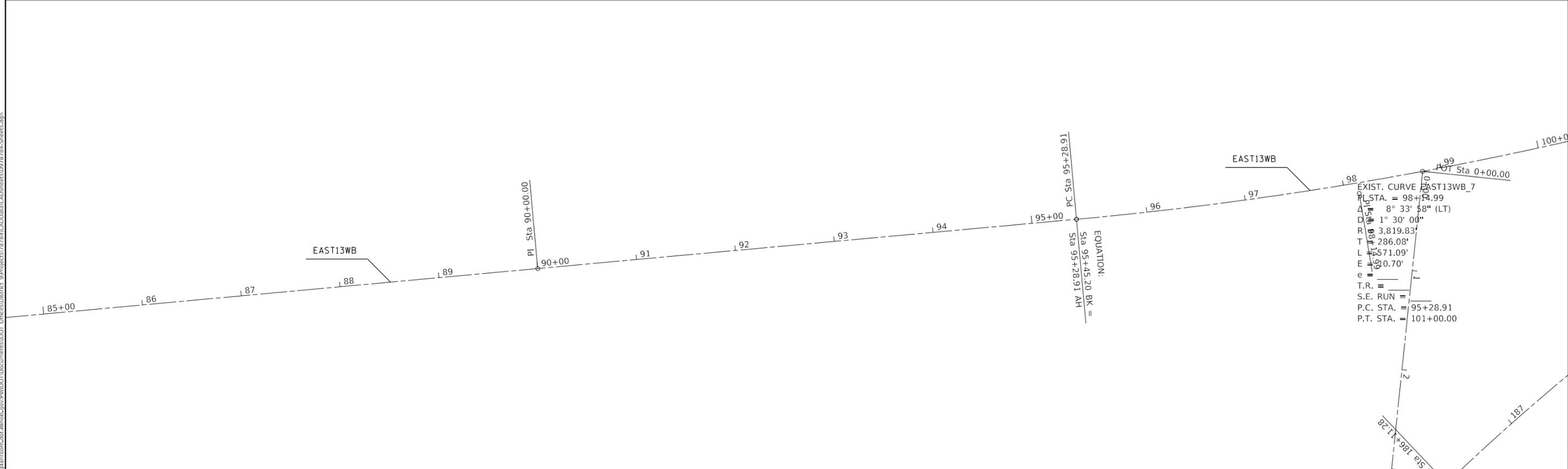
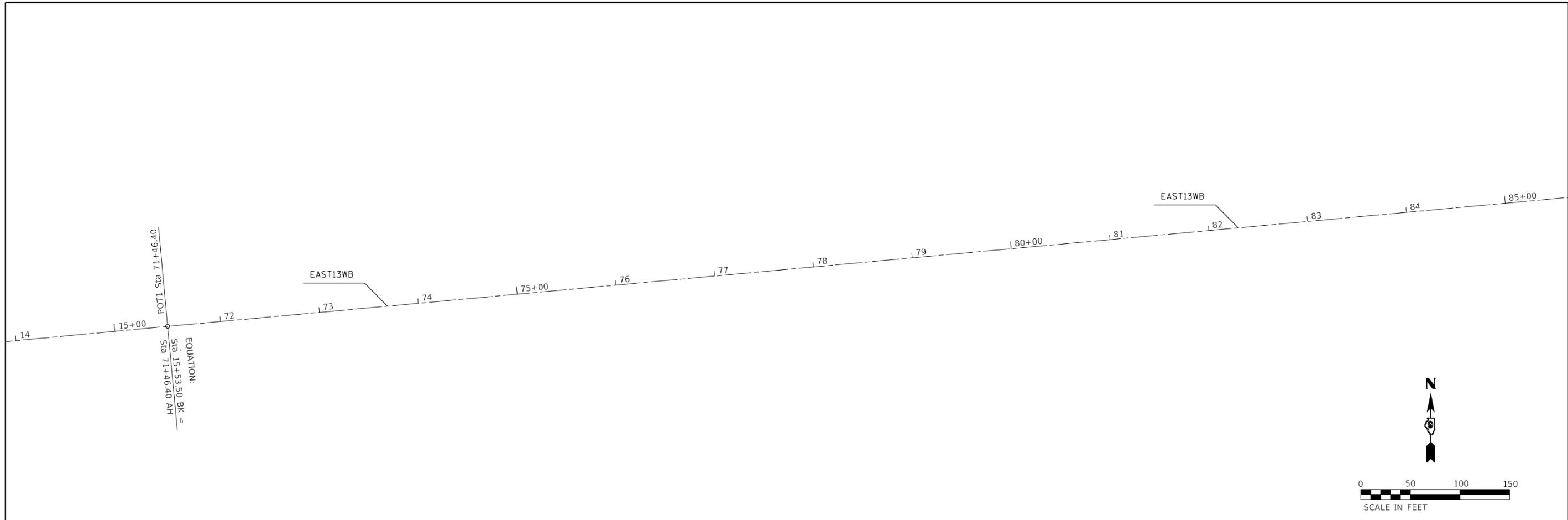
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PLOT SCALE = 94.4444' / in.	CHECKED -	REVISED -
PLOT DATE = 4/29/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 331	SECTION (5-4)RS-4,(5-2)RS-4	COUNTY JACKSON	TOTAL SHEETS 13	SHEET NO. 9	CONTRACT NO. 78784
ILLINOIS FED. AID PROJECT					



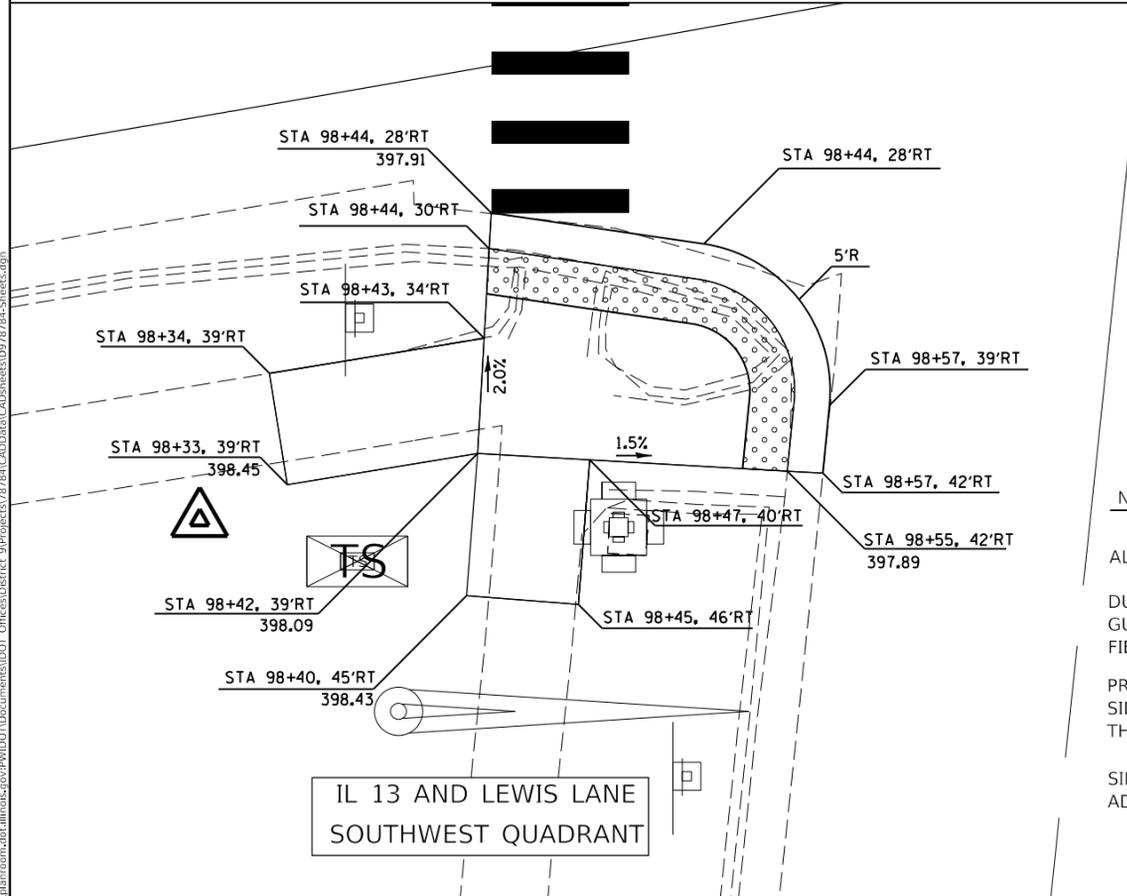
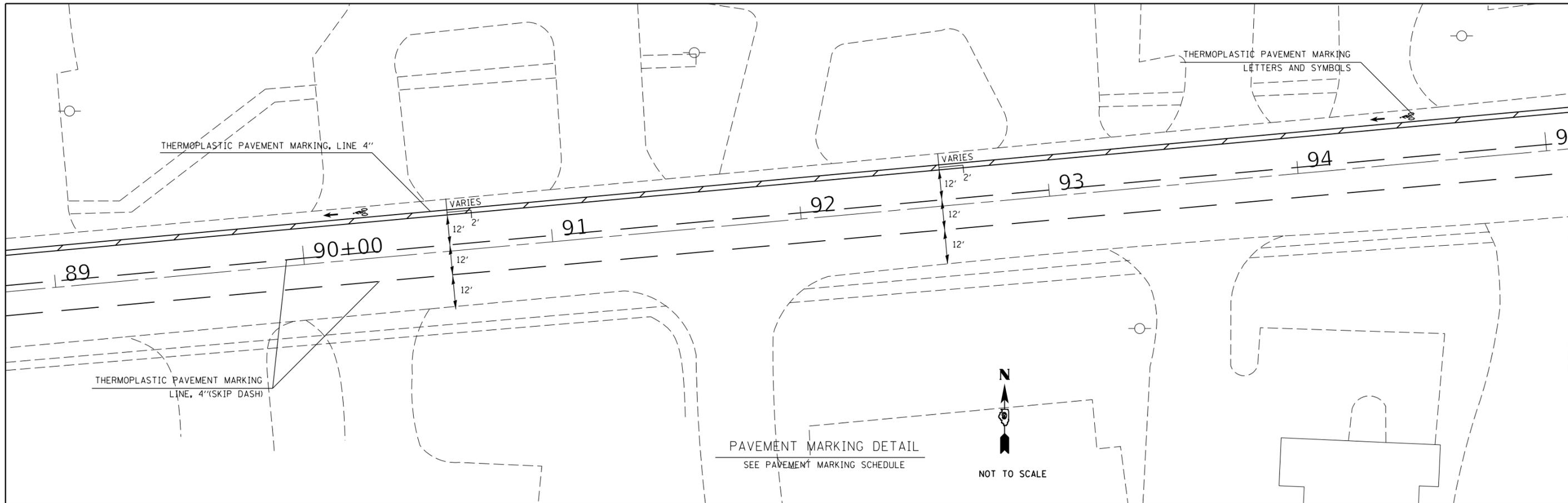
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PLOT SCALE = 94.4444' / in.	CHECKED -	REVISED -
PLOT DATE = 4/29/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GEOPAK ELEMENTS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 331	SECTION (5-4)RS-6,(5-2)RS-4	COUNTY JACKSON	TOTAL SHEETS 13	SHEET NO. 11
CONTRACT NO. 78784				
ILLINOIS FED. AID PROJECT				



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↑
NOT TO SCALE

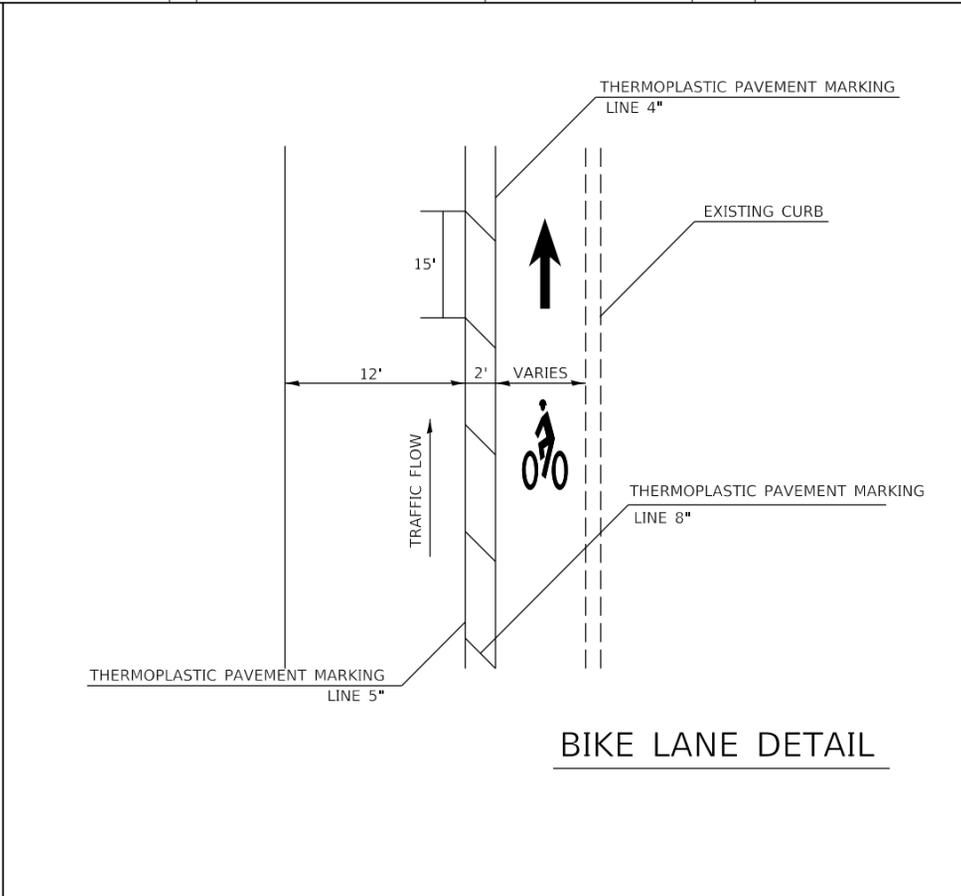
NOTES:

ALL STATIONS AND OFFSETS FROM IL 13 WESTBOUND

DUE TO THE OVERLAYING OF THE EXISTING PAVEMENT, THE PROPOSED GUTTER FLAG WIDTHS ARE ESTIMATES AND MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.

PROPOSED CURB AND GUTTER TRANSITIONS ARE SHOWN AT 2' EITHER SIDE OF CURB RAMP. FINAL TRANSITION LENGTH MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.

SIDE CURB LENGTHS ALONG CURB RAMPS AND SIDEWALKS MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.



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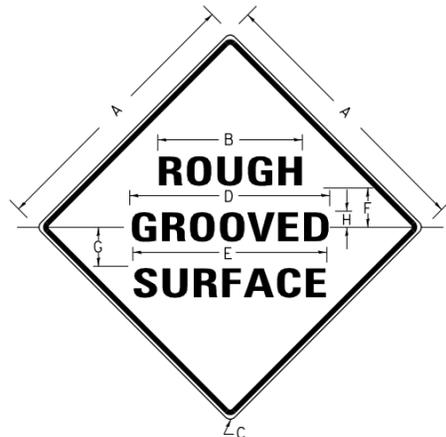
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAIL ADA RAMP DETAIL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 331	SECTION (5-4)RS-6,(5-2)RS-4	COUNTY JACKSON	TOTAL SHEETS 13	SHEET NO. 12
ILLINOIS FED. AID PROJECT CONTRACT NO. 78784				

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			MARGIN	BORDER	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.

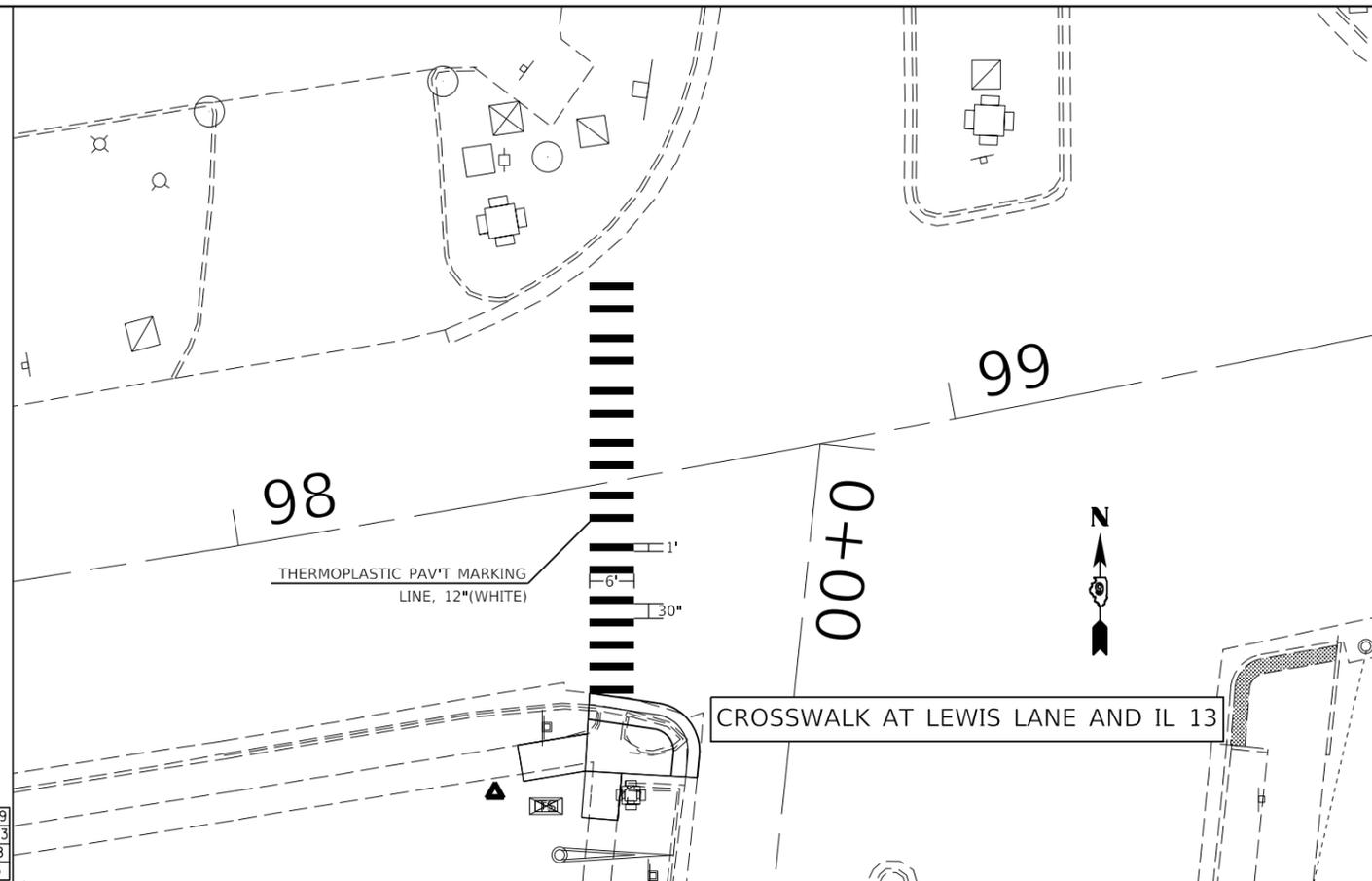
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

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

STD. 9-39

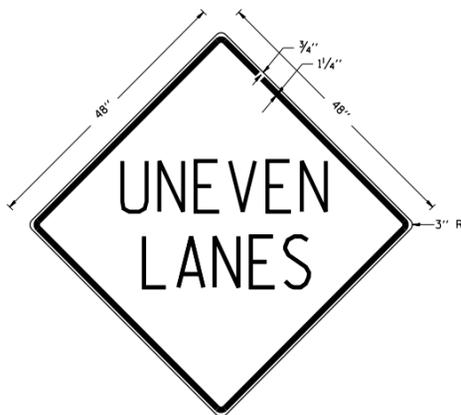
REVISIONS

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



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.

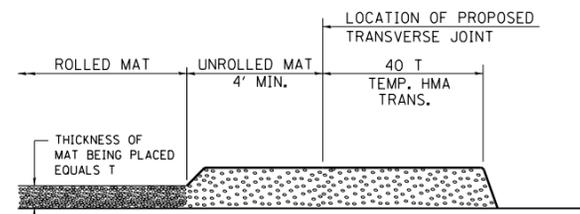
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

STD. 9-41

REVISIONS

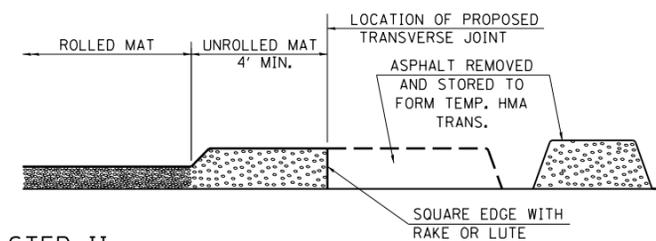
DRAWN	2-15-89
REVISED	4-06-93
REDESIGNED	7-23-04
RESIZED	5-08-08
REVIEWED	5-17-13

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



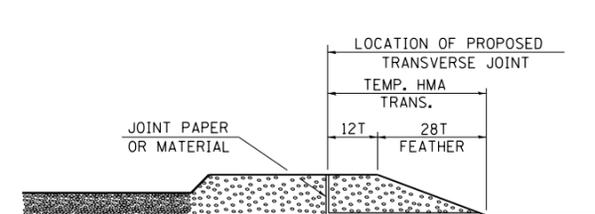
STEP I

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.



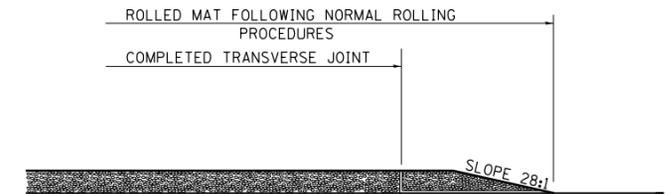
STEP II

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.

STD. 9-26

REVISIONS

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

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PLOT DATE = 4/29/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUGH GROOVED SURFACE, UNEVEN PAV'T TEMP HMA, CROSSWALK	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 331	SECTION (5-4)RS-6,(5-2)RS-4	COUNTY JACKSON	TOTAL SHEETS 13	SHEET NO. 13
ILLINOIS FED. AID PROJECT				CONTRACT NO. 78784