

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

# PROPOSED HIGHWAY PLANS

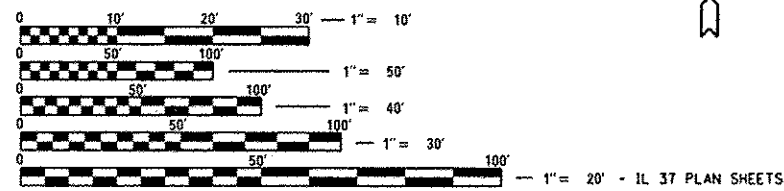
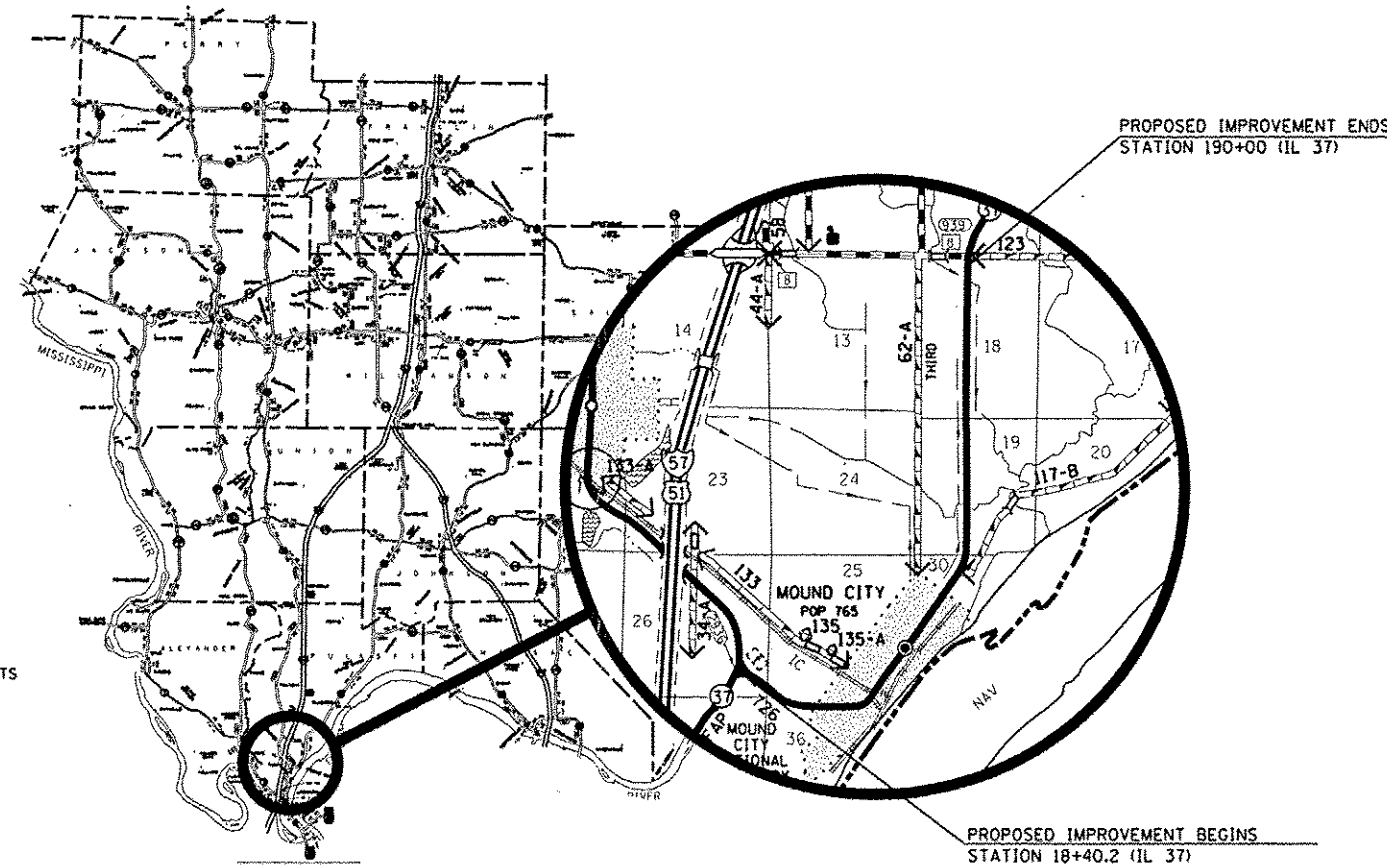
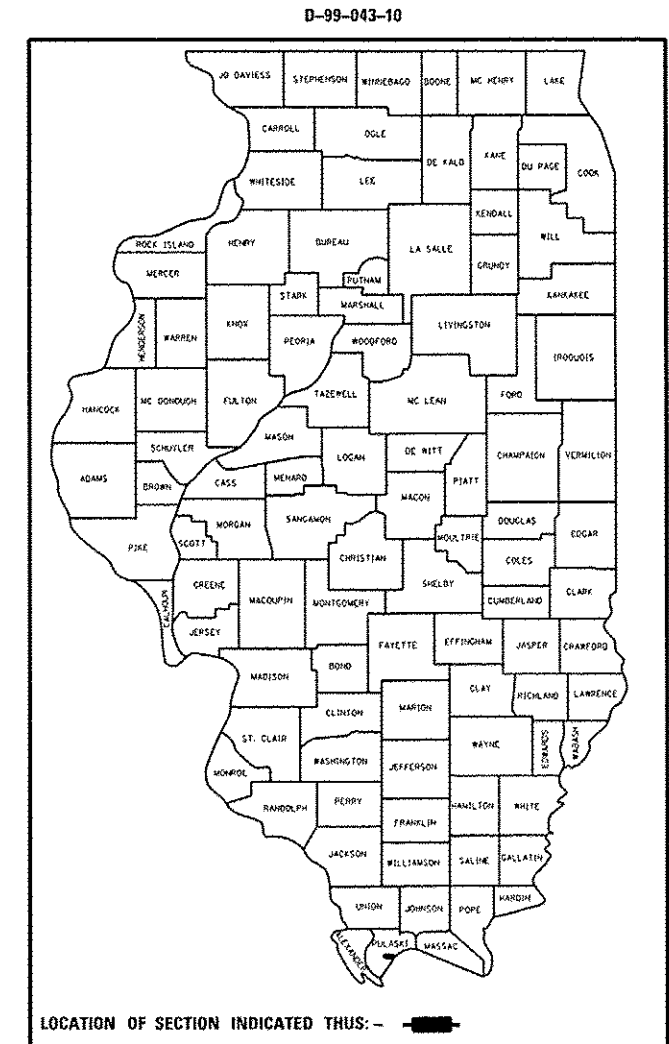
**IL 37 (FAP 726)**  
**SECTION 122RS-3,120RS-5,17RS-2**  
**PROJECT ACF-0726 (065)**  
**RESURFACING**  
**PULASKI COUNTY**

C-99-043-10

FOR INDEX OF SHEETS, SEE SHEET NO. 2

LOCATION	ADT(2012)	SU	MU
IL 37	1,900	50	70

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
826	122RS-3,120RS-5,17RS-2	PULASKI	11	1
		ILLINOIS	CONTRACT NO. 78186	



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 EXCAVATION  
 1-800-892-0123  
 OR 811

**PROJECT ENGINEER LISA PRITCHETT**  
**PROJECT MANAGER SUSAN POE**

**CONTRACT NO. 78186**

STATION EQUATIONS: 44 + 35.98K = 0 + 00AH  
 OMISSIONS: STA. 17 + 31 TO STA. 18 + 87 (BARE CONCRETE SECTION)  
 STA. 24 + 05 TO STA. 24 + 23 (RAILROAD CROSSING)

GROSS LENGTH = 21,595.7 FT. = 4.09 MILE  
 NET LENGTH = 21,421 FT. = 4.06 MILE

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED Nov 7 20 14

*Jeffrey L. Kevin*  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Jan 30 20 15  
*John D. Baranzoli, P.E.*  
 ENGINEER OF DESIGN AND ENVIRONMENT

Jan 30 20 15  
*Omer Osman, P.E.*  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS**

# INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STANDARDS, MIXTURE REQUIREMENTS, SIGNATURE SHEET
3	GENERAL NOTES
4 - 5	SUMMARY OF QUANTITIES
6 - 8	TYPICALS
9	PAVEMENT MARKING SCHEDULE
10	RESURFACING SCHEDULE
11	ROUGH GROOVED SURFACE SIGN/UNEVEN LANE SIGN/BUTT JOINT DETAIL

# STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
442101-07	CLASS B PATCHES
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS • 45 MPH
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS • 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-04	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

## MIXTURE REQUIREMENTS

LOCATION(S):	HOT-MIX ASPHALT SURFACE COURSE
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N90
AC/PG:	PG64-22
ABR % (MAX):	10
DESIGN AIR VOIDS:	4.0%, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 MM
FRICTION AGGREGATE:	C SURFACE
QUALITY MANAGEMENT PROGRAM:	OC/OA

LOCATION(S):	HOT-MIX ASPHALT LEVELING BINDER COURSE
MIXTURE USE(S):	HOT-MIX ASPHALT LEVELING BINDER COURSE, N90, IL-9.5 FINE-GRADED
AC/PG:	PG64-33
ABR % (MAX):	10
DESIGN AIR VOIDS:	4.0%, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 MM FINE-GRADED
FRICTION AGGREGATE:	NONE
QUALITY MANAGEMENT PROGRAM:	OC/OA

Prepared By:	<i>Joe Z...</i> DISTRICT STUDIES & PLANS ENGINEER
Examined By:	<i>[Signature]</i> DISTRICT LAND ACQUISITION ENGINEER
Examined By:	<i>Carrie Nelson</i> DISTRICT PROGRAM DEVELOPMENT ENGINEER
Examined By:	<i>Karl...</i> DISTRICT OPERATIONS ENGINEER
Examined By:	<i>[Signature]</i> DISTRICT PROJECT IMPLEMENTATION ENGINEER
Examined By:	<i>[Signature]</i> DISTRICT CONSTRUCTION ENGINEER
Examined By:	<i>[Signature]</i> DISTRICT MATERIALS ENGINEER



## SUMMARY OF QUANTITIES

CONSTR. CODE
80% FED 20% STATE
ROADWAY
0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
40600647	LEVELING BINDER (MACHINE METHOD), 1L-9, 5FG, N90	TON	2905	2905
40600990	TEMPORARY RAMP	SQ YD	120	120
40603320	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N90	TON	5810	5810
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	31127	31127
<del>40800030</del>	<del>AGGREGATE (PRIME COAT)</del>	<del>TON</del>	<del>199</del>	<del>199</del>
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	66342	66342
44200994	CLASS B PATCHES, TYPE II, 12 INCH	SQ YD	1558	1558
44200998	CLASS B PATCHES, TYPE III, 12 INCH	SQ YD	373	373
44201000	CLASS B PATCHES, TYPE IV, 12 INCH	SQ YD	534	534
44201299	DOWEL BARS 1 1/2"	EACH	140	140
44213100	PAVEMENT FABRIC	SQ YD	907	907
44213200	SAW CUTS	FOOT	476	476
44213204	TIE BARS 3/4"	EACH	28	28
67100100	MOBILIZATION	L SUM	1	1

13

FILE NAME PROJECT NO. PLOT SCALE PLOT DATE	USER NAME DATE CHECKED DATE	DESIGNED DRAWN CHECKED DATE	REVISED REVISED REVISED REVISED	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b> SCALE: SHEET OF SHEETS STA. TO STA.	F.A.P. RTE. SECTION COUNTY TOTAL SHEETS NO. CONTRACT NO.
						126 122RS-3, 120RS-5, 17RS-2 PULASKI 11 4 ILLINOIS FED. AID PROJECT

0105 8 2 1004

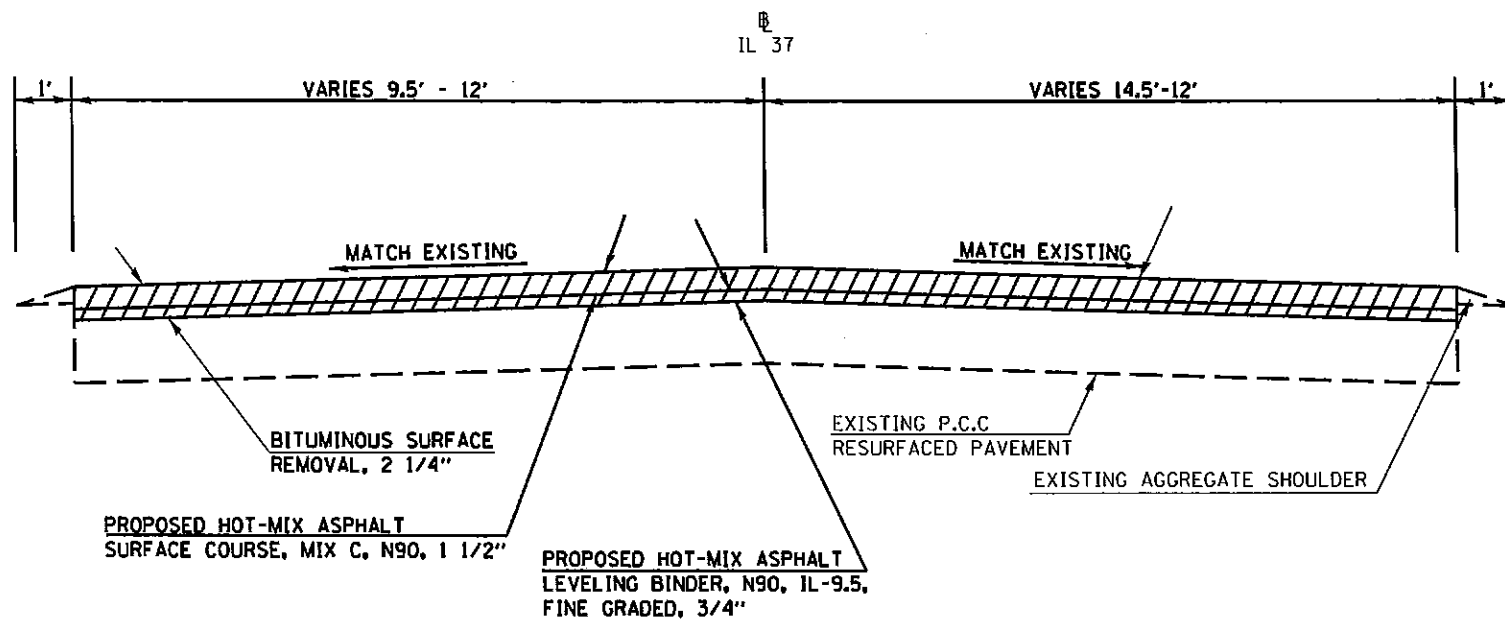
### SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED	20% STATE
				ROADWAY	
				0001	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	16170	16170	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	719	719	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	122	122	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	72	72	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	57168	57168	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	265	265	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	265	265	
Z0034105	MATERIAL TRANSFER DEVICE	TON	4802	4802	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	

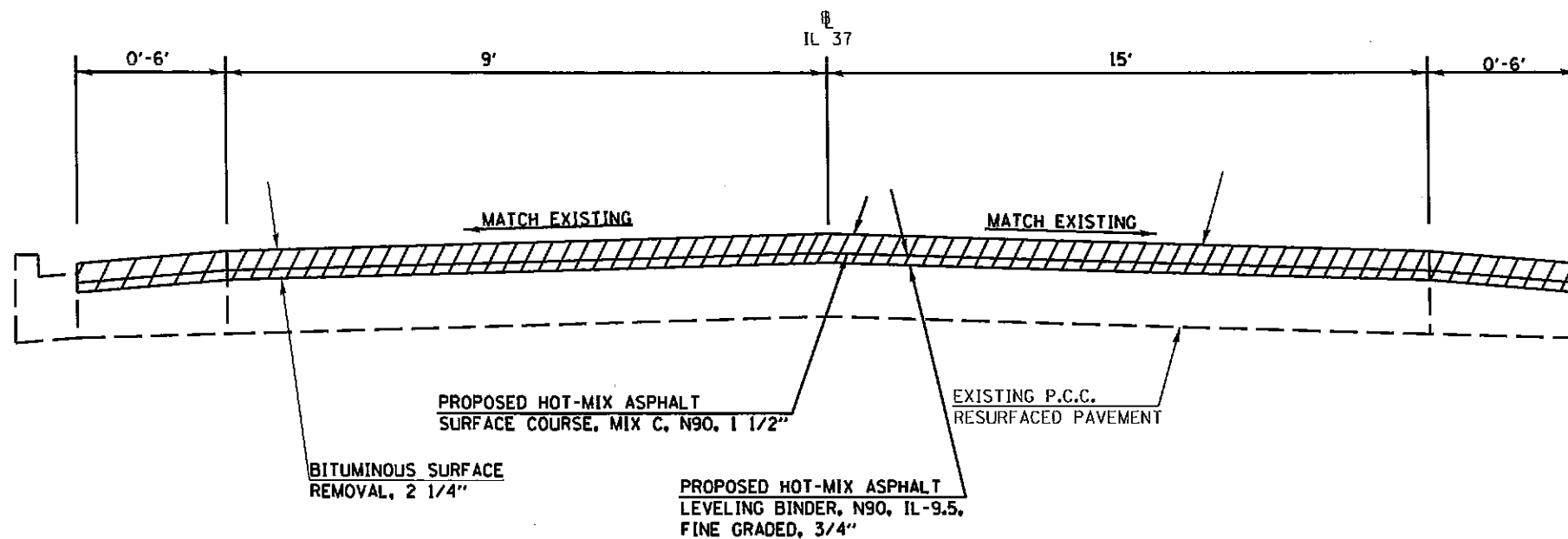
\* SPECIALTY ITEM

FILE NAME *	USER NAME * #USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			726	122RS-3, 120RS-5, 17RS-2	PULASKI	11	5	
AWDOLNAME*	PLOT SCALE * #SCALE*	CHECKED -	REVISED -			CONTRACT NO. 78186					
	PLOT DATE * #DATE*	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

# TYPICALS



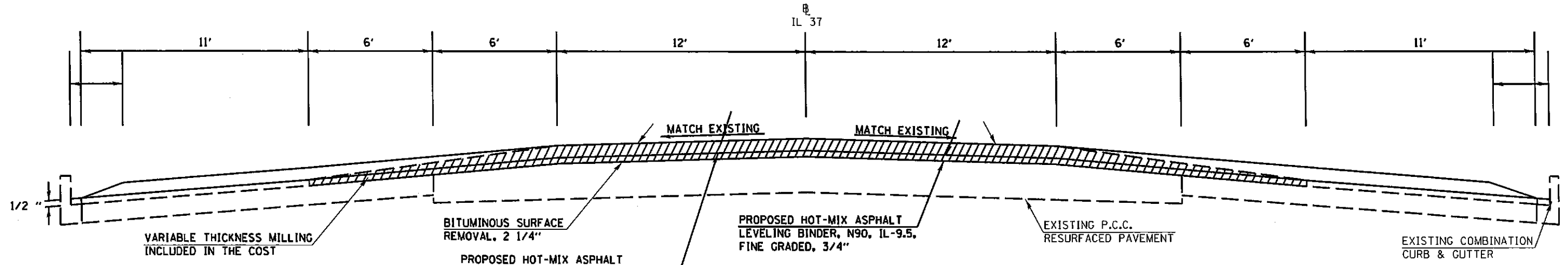
**TO BE USED**  
 STA. 18+40.2 TO STA. 44+35.9  
 STATION EQUATION STA. 44+35.9BK = STA. 0+00AH



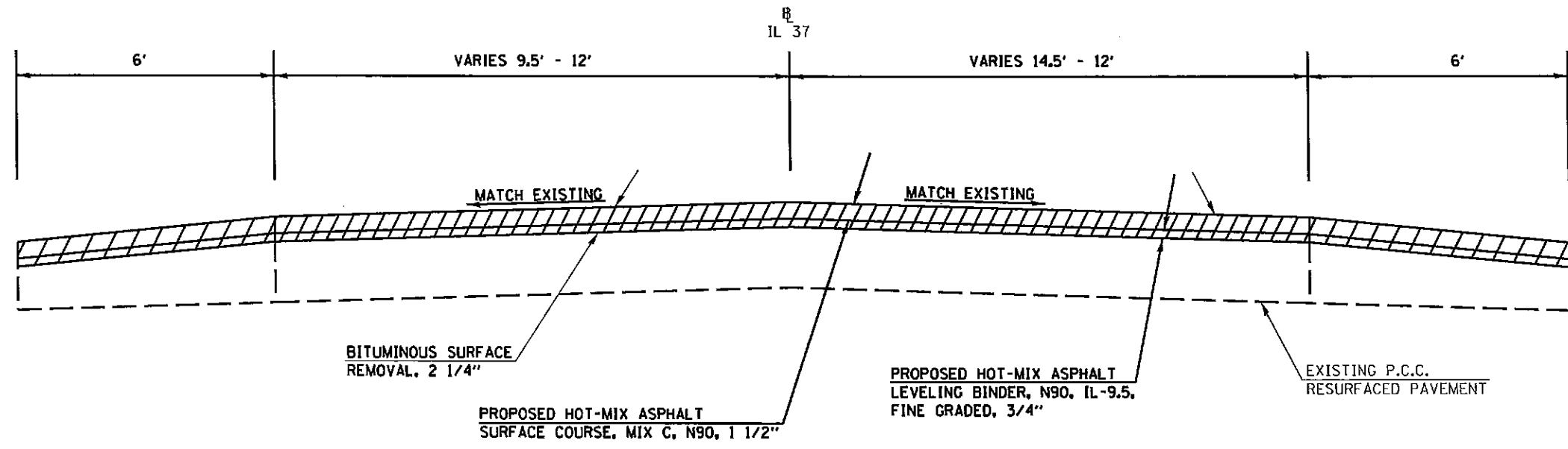
**TO BE USED**  
 STA. 00+00 TO STA. 2+80.5  
 STATION EQUATION: 44+35.9BK = 0+00AH

FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 37 TYPICALS</b>	P.A.P. RTE. 726	SECTION 122RS-3, 120RS-5, 17RS-2	COUNTY PULASKI	TOTAL SHEETS 11	SHEET NO. 6
*FILEL*		DRAWN -	REVISED -							
		CHECKED -	REVISED -							
*MODELNAME*		DATE -	REVISED -							
						SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. T8186 ILLINOIS FED. AID PROJECT		

# TYPICALS



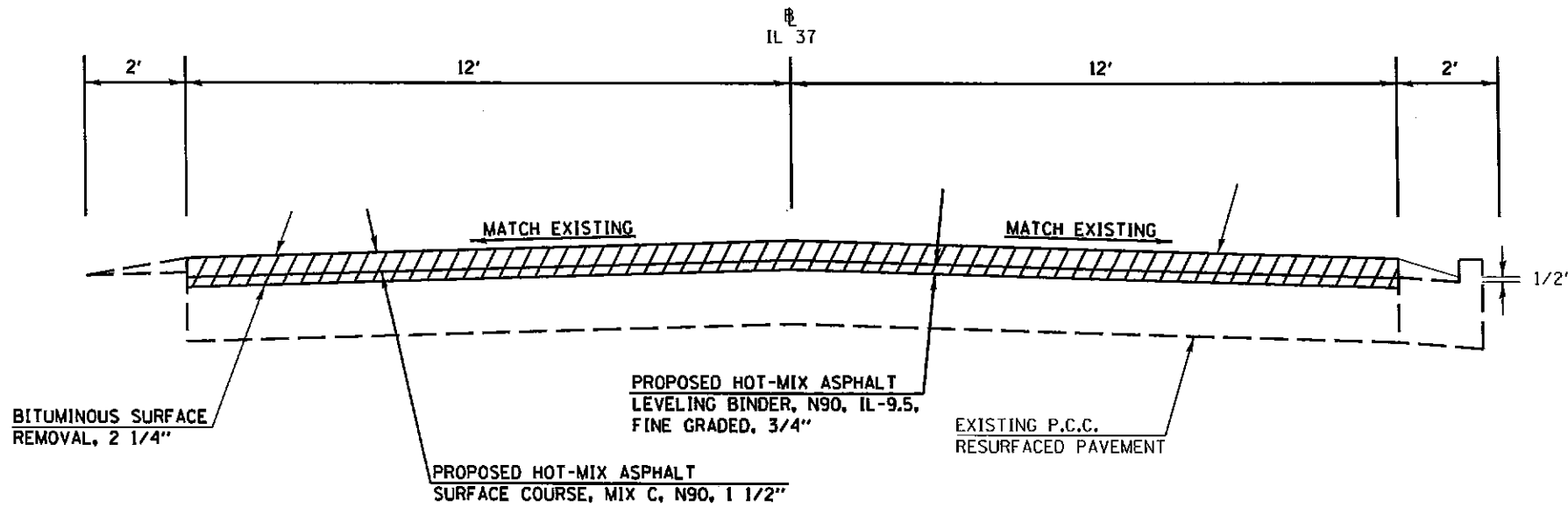
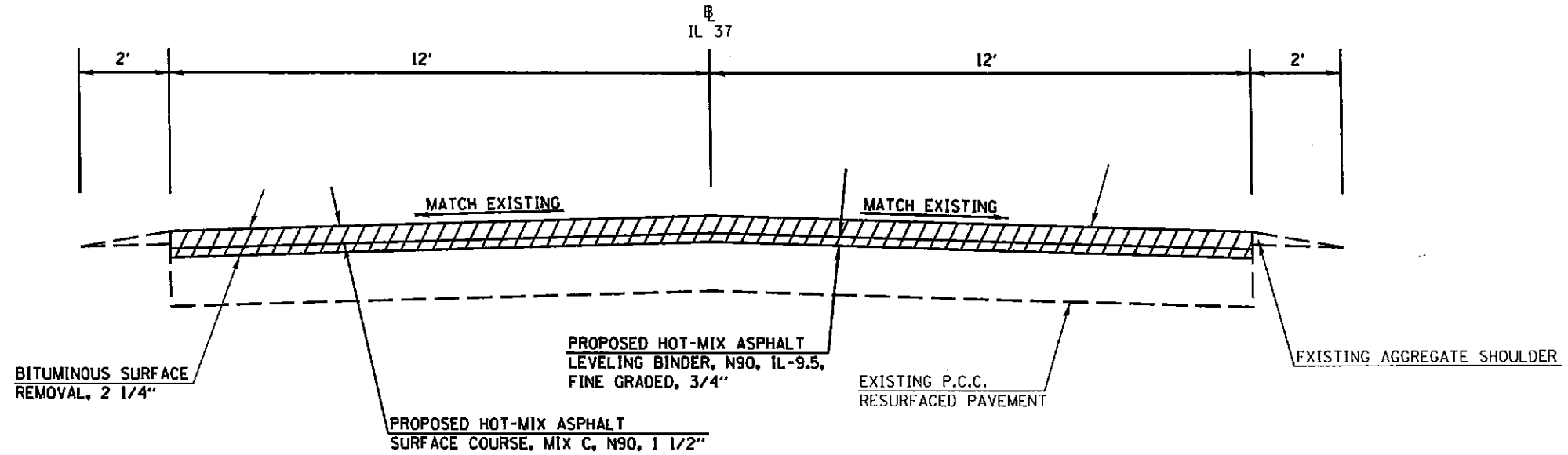
**TO BE USED**  
 STA. 18+87 TO STA. 30+45



**TO BE USED**  
 STA. 2+80.5 TO STA. 17+31  
 STA. 30+45 TO STA. 66+00

FILE NAME *	USER NAME * #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 37 TYPICALS</b>	F.A.P. RTE. 726	SECTION 122RS-3, 120RS-5, 17RS-2	COUNTY PULASKI	TOTAL SHEETS 11	SHEET NO. 7
#FILE#		DRAWN -	REVISED -							
		CHECKED -	REVISED -							
#MODELNAME#		DATE -	REVISED -							
						SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____ TO STA. _____
(ILLINOIS FED. AID PROJECT) CONTRACT NO. 78186										

# TYPICALS



FILE NAME *	USER NAME * *USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 37 TYPICALS</b>	F.A.P. RTE. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -			726	122RS-3, 120RS-3, 17RS-2	PULASKI	11	8
#MODELNAME*	PLOT SCALE * *SCALE*	CHECKED -	REVISED -		SCALE: _____	SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 78186		
	PLOT DATE * *DATE*	DATE -	REVISED -		ILLINOIS FED. AID PROJECT					



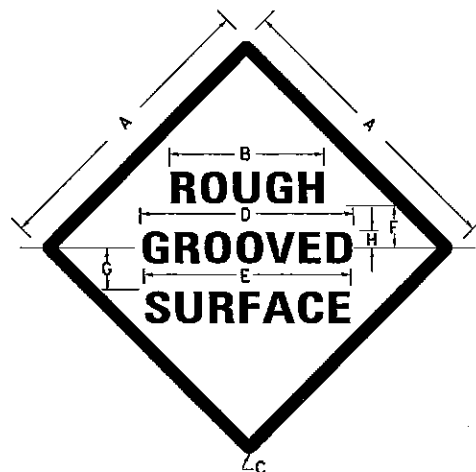
## PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION	PAINT PAVEMENT MARKING			THERMOPLASTIC PAVEMENT MARKING		REMARKS	
	LINE 4"						
	WHITE	YELLOW		LINE 24" - WHITE SOLID	LETTERS & SYMBOLS		
	SOLID	SOLID	SKIP DASH				
FOOT	FOOT	FOOT	FOOT	SQ FT			
<b>ILLINOIS 37 (FAP 726)</b>							
<b>MAINLINE</b>							
18+40.2	TO	44+35.9 BK	5191.4	5191.4		DOUBLE YELLOW	
0+00	AH	TO 0+58		116		DOUBLE YELLOW	
0+00	AH	TO 190+00	38000.0				
0+58	TO	2+00		142	40.0	SOLID/SKIP DASH	
2+00	TO	14+15			300.0	SKIP DASH	
14+15	TO	24+05.1		1980.2		DOUBLE YELLOW	
22+00					12.0		
22+25						61.2 RR XING	
22+50					12.0		
23+90					12.0	RR STOP BAR	
24+23	TO	25+80		157	40.0	SOLID/SKIP DASH	
24+38					12.0	RR STOP BAR	
25+30					12.0		
25+55						61.2 RR XING	
25+80					12.0		
25+80	TO	60+75			870.0	SKIP DASH	
60+75	TO	70+20		945	240.0	SKIP DASH/SOLID	
70+20	TO	79+85		965	240.0	SOLID/SKIP DASH	
79+85	TO	190+00			2750.0	SKIP DASH	
<b>SUB-TOTAL</b>			43,191	9,497	4480	72	122
<b>TOTAL</b>			57,168			194	

## RESURFACING SCHEDULE

LOCATION STATION TO STATION	LENGTH	ROADWAY WIDTH @ BEG. STA.	ROADWAY WIDTH @ END STA.	ROADWAY AREA	HMA SURFACE REMOVAL, 2 1/4"	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N90	HOT-MIX ASPHALT LEVELING BINDER, N90, IL-9.5 FINE GRADED	MATERIAL TRANSFER DEVICE	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	TEMPORARY RAMP	REMARKS
	FOOT	FOOT	FOOT	SQ YD	SQ YD	TON	TON	TON	POUNDS	TON	SQ YD	
<b>ILLINOIS 37 (FAP 726)</b>												
<b>MAINLINE</b>												
18+40.2											20.0	
18+40.2 TO 44+35.9 BK	2595.7	24.0	24.0	6921.9	6921.9	581.4	290.7	581.4	3115	20.8		
0+00 AH TO 2+80.5	280.5	36.0	36.0	1122.0	1122.0	94.2	47.1	62.8	505	3.4		
2+80.5 AH TO 17+31.	1450.5	30.0	30.0	4835.0	4835.0	406.1	203.1	246.3	2176	14.5		
17+31											20.0	
<b>OMIT CONCRETE SECTION</b>												
18+87											20.0	
18+87. TO 30+45.	1158.0	70.0	70.0	9006.7	6176.0	756.6	378.3	259.4	4053	27.0		
24+05											20.0	RAILROAD
24+23											20.0	RAILROAD
30+45. TO 36+34.	589.0	36.0	36.0	2356.0	2356.0	197.9	99.0	131.9	1060	7.1		
36+34. TO 41+17.	483.0	36.0	36.0	1932.0	1932.0	162.3	81.1	108.2	869	5.8		
41+17. TO 54+98.	1381.0	36.0	36.0	5524.0	5524.0	464.0	232.0	309.3	2486	16.6		
54+98. TO 66+00.	1102.00	36.0	36.0	4408.0	4408.0	370.3	185.1	246.8	1984	13.2		
66+00. TO 190+00.	12400.00	24.0	24.0	33066.7	33066.7	2777.6	1388.8	2777.6	14880	99.2		
190+00											20.0	
<b>TOTAL</b>					66,342	5,810	2,905	4,724	31,127	208	120	

**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.

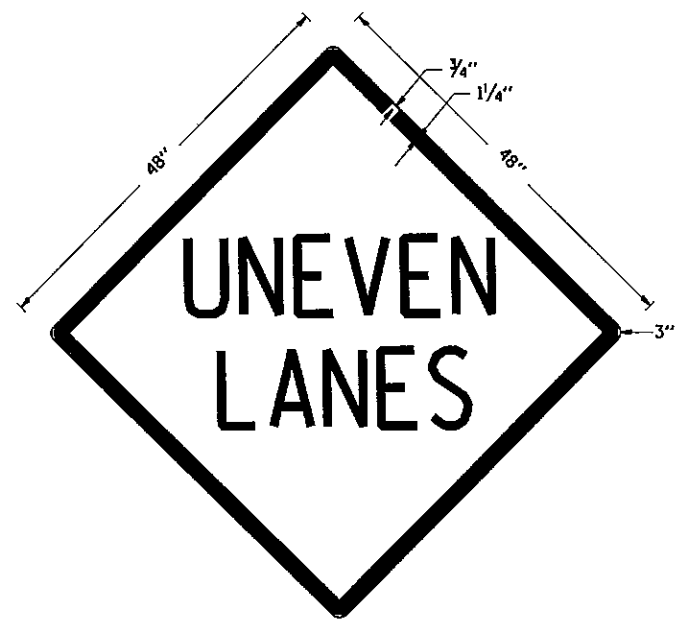
STD. 9-39

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.

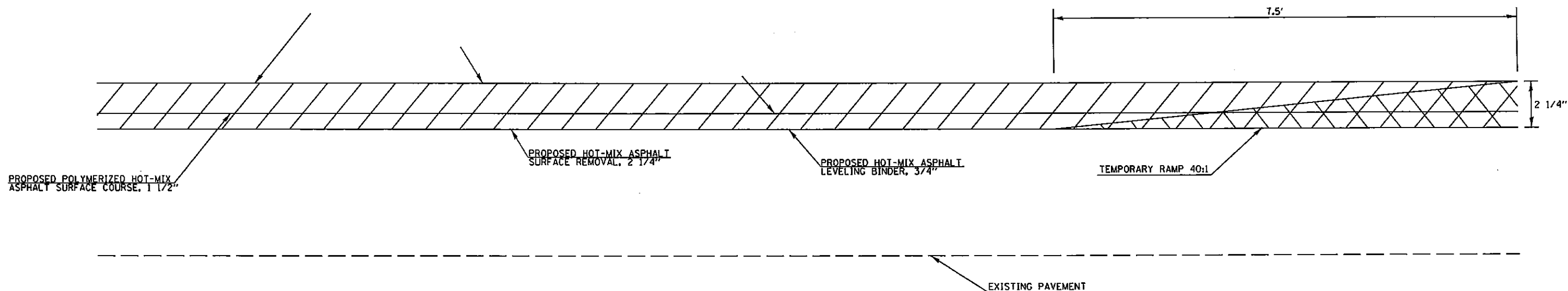
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

STD. 9-41

REVISIONS

DRAWN	2-15-89
REVISED	4-06-93
RESIGNED	
RESIZED	
REVIEWED	5-17-13

**BUTT JOINT DETAIL**



**LOCATION:**

STA. 18+40.2  
STA. 17+31  
STA. 18+87  
STA. 24+05  
STA. 24+23  
STA. 190+00

FILE NAME =	USER NAME = pritchatt1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROUGH GROOVED SURFACE SIGN UNEVEN LANE SIGN, BUTT JOINT DETAIL</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
o:\pwork\pmdot\pritchatt1\d0335116\7886-sht1-details.dgn	PLOT SCALE = 100.0000' / 1" =	DRAWN -	REVISED -			726	122RS-3, 120RS-5, 17RS-2	PLLA5K1	11	11	
MODEL NO. =	PLOT DATE = 4/7/2014	CHECKED -	REVISED -			CONTRACT NO. 78186					
						SCALE:	SHEET	OF	SHEETS	STA.	TO

ILLINOIS FED. AID PROJECT