

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	4RS-4	FRANKLIN	11	1
		ILLINOIS	CONTRACT NO. 78412	

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-5

**TRAFFIC DATA**

IL 14 TRAFFIC DATA  
2013 ADT = 16,000 WITH 5.6% TRUCKS

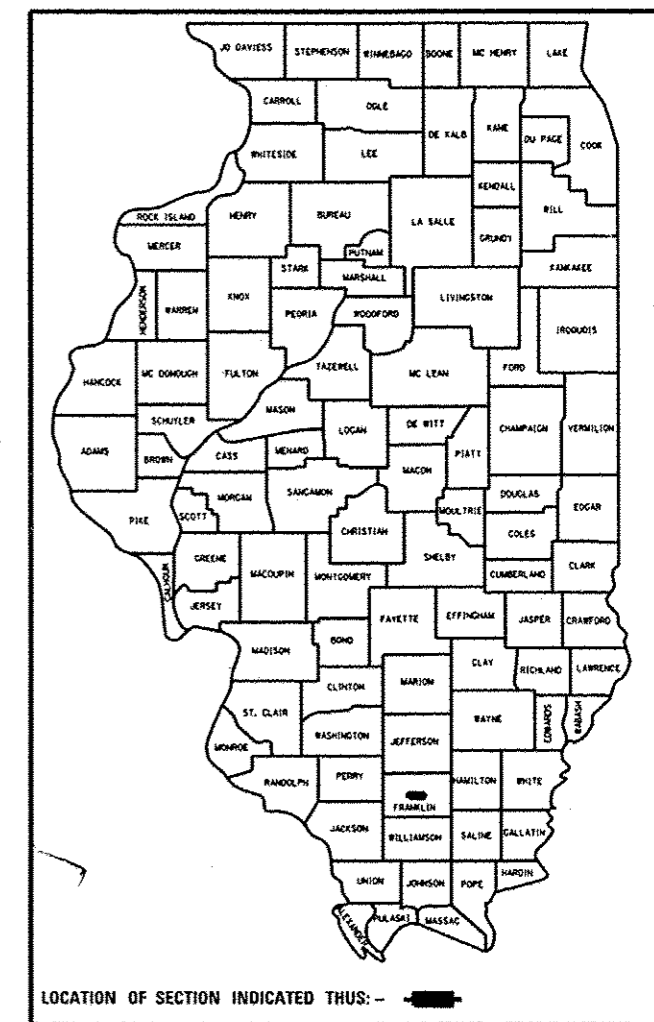
**TOWNSHIPS**

BENTON

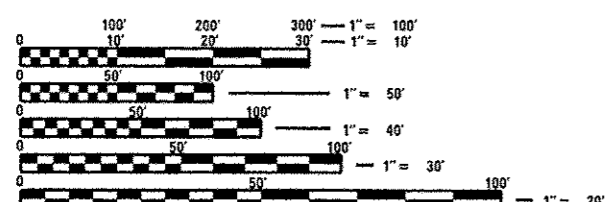
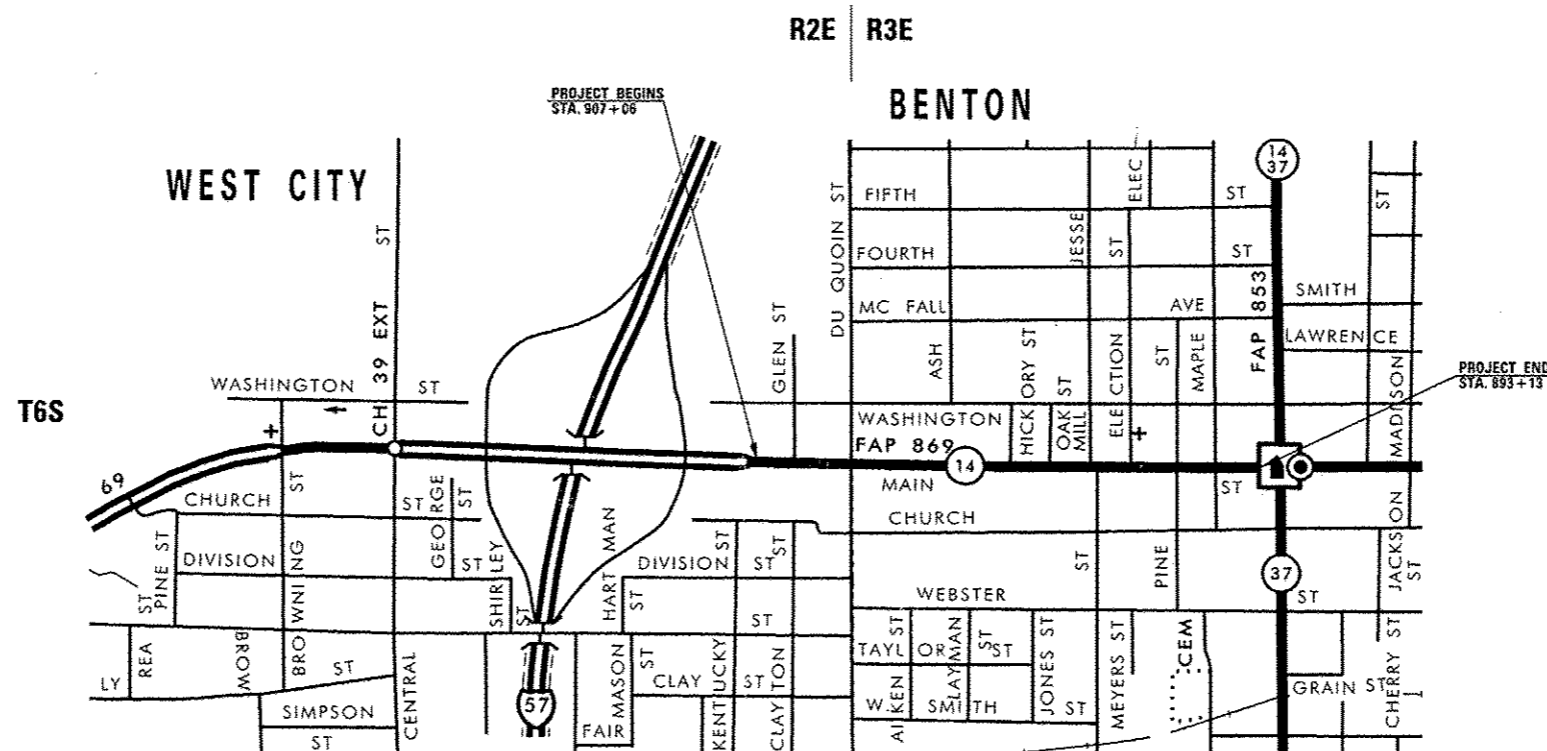
**PROPOSED  
HIGHWAY PLANS**

IL ROUTE 14 (FAP 869)  
SECTION 4RS-4  
PROJECT ACF-0869 (043)  
RESURFACING  
FRANKLIN COUNTY

C-99-038-14



LOCATION OF SECTION INDICATED THUS: - [Symbol]



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

STA. EQUATION STA. 910 + 32.69 BK = 869 + 71.5 AH

GROSS LENGTH = 2668.19 FT. = 0.505 MILE  
NET LENGTH = 2668.19 FT. = 0.505 MILE

PROJECT ENGINEER CAROLYN ELDRIDGE  
PROJECT MANAGER SUSAN POE

CONTRACT NO. 78412

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 13 20 14

Jeffrey L. Keesom  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9 20 14  
John D. Baranzelli, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

May 9 20 14  
Omair Osman, P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STANDARDS, SIGNATURE BLOCK, COMMITMENTS
3	GENERAL NOTES, MIXTURE REQUIREMENTS
4 - 5	SUMMARY OF QUANTITIES
6	TYPICALS
7	PATCHING SCHEDULE (REFERENCE ONLY)
8	RESURFACING SCHEDULE
9	PAVEMENT MARKING SCHEDULE
10	CROSSWALK PAVEMENT MARKING DETAIL, BUTT JOINT DETAIL
11	CLASS C PATCHES (SPECIAL), ROUGH GROOVED SURFACE/ UNEVEN LANE SIGN

### STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' -24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701502-06	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT LANE TURN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-03	TRAFFIC CONTROL DEVICES
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKING

### COMMITMENTS

NONE

Prepared By:	<i>Joe Zdaniewicz</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>Kevin Kelly</i>
	DISTRICT OPERATIONS ENGINEER
Examined By:	<i>[Signature]</i>
	DISTRICT PROJECT IMPLEMENTATION ENGINEER
Examined By:	<i>Daryl J. Schubert</i>
	DISTRICT CONSTRUCTION ENGINEER
Examined By:	<i>[Signature]</i>
	DISTRICT MATERIALS ENGINEER



## SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED	20% STATE
			URBAN		
			ROADWAY		
			0005		
X4420726	CLASS C PATCHES, TYPE II, 10 INCH (SPECIAL)	SO YD	11		11
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	978		978
40600300	AGGREGATE (PRIME COAT)	TON	16		16
40600990	TEMPORARY RAMP	SO YD	50		50
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	1217		1217
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	10862		10862
44201349	CLASS C PATCHES, TYPE I, 10 INCH	SO YD	20		20
44201353	CLASS C PATCHES, TYPE II, 10 INCH	SO YD	375		375
44201357	CLASS C PATCHES, TYPE III, 10 INCH	SO YD	140		140
44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SO YD	332		332
67100100	MOBILIZATION	L SUM	1		1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1		1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2		2
70300100	SHORT TERM PAVEMENT MARKING	FOOT	928		928

15

FILE NAME -	USER NAME - #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -			B69	4RS-4	FRANKLIN	11	4
#MODEL#		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 78412	
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT	

## SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE ROADWAY 0005
				URBAN
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	247	247
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	6557	6557
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	264	264
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	54	54
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	2852	2852
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	247	247
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6557	6557
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	264	264
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	54	54
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	34	34

\* SPECIALTY ITEM

FILE NAME *	USER NAME * #USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		869	4RS-4	FRANKLIN	11	5				
#MODELNAME#	PLOT SCALE * #SCALE*	CHECKED -	REVISED -		SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.				CONTRACT NO. 78412				
	PLOT DATE * #DATE*	DATE -	REVISED -		(ILLINOIS) FED. AID PROJECT								



**PATCHING SCHEDULE (REFERENCE ONLY)**

LANE	WIDTH (FT)	LENGTH (FT)	STATION	CLASS C PATCHES, 10"				REMARKS	
				AREA (SY)	TYPE I	TYPE II	TYPE III		TYPE IV
L	12	5		6.7		6.7			
L	12	5		6.7		6.7			
L	8	5		4.4	4.4				
R	12	4		5.3		5.3			
R	12	4		5.3		5.3			
R	12	5		6.7		6.7			
R	12	5		6.7		6.7			
R	12	4		5.3		5.3			
R	12	6		8.0		8.0			
R	12	6		8.0		8.0			
R	14	6		9.3		9.3			
R	14	10		15.6			15.6		
R	14	4		6.2		6.2			
L	14	40		62.2				62.2	
R	4	60		26.7				26.7	
T	6	10		6.7		6.7			
L	14	4		6.2		6.2			
<b>DUQUOIN ST</b>									
R	6	4		2.7	2.7				
R	6	4		2.7	2.7				
R	7	75		58.3				58.3	
R	12	6		8.0		8.0			
R	4	50		22.2			22.2		
T	12	5		6.7		6.7			
L	12	8		10.7		10.7			
R	6	4		2.7	2.7				
L	12	5		6.7		6.7			
L	12	15		20.0			20.0		
L	6	4		2.7	2.7				
R	12	4		5.3		5.3			
L	12	7		9.3		9.3			
<b>HICKORY ST</b>									
L	12	6		8.0		8.0			
R	12	6		8.0		8.0			
L	12	10		13.3		13.3			
R	12	10		13.3		13.3			
T	12	4		5.3		5.3			
R	4	40		17.8			17.8		
L	12	4		5.3		5.3			
R	12	4		5.3		5.3			
<b>OAK ST</b>									
R	4	20		8.9		8.9			
L	12	10		13.3		13.3			
R	12	15		20.0			20.0		
L	12	9		12.0		12.0			
L	12	4		5.3		5.3			
R	4	15		6.7		6.7			
<b>SUB-TOTAL</b>					15.1	238.7	95.6	147.2	

LANE	WIDTH (FT)	LENGTH (FT)	STATION	AREA (SY)	CLASS C PATCHES, 10"				CLASS C (SPECIAL)	REMARKS
					TYPE I	TYPE II	TYPE III	TYPE IV		
<b>MILL ST</b>										
L	12	45		60.0					60.0	
R	12	4		5.3		5.3				
L	12	6		8.0		8.0				
L	12	6		8.0		8.0				
L	12	35		46.7					46.7	
L	12	4		5.3		5.3				
R	12	4		5.3		5.3				
<b>ELECTION ST</b>										
R	12	6		8.0		8.0				
R	12	17		22.7				22.7		
R	4	50		22.2				22.2		
R	12	25		33.3					33.3	
T	6	10		6.7		6.7				
T	12	8		10.7		10.7				
L	6	8		5.3		5.3				
R	12	4		5.3		5.3				
<b>PINE ST</b>										
R	4	100		44.4					44.4	
T	12	7		9.3		9.3				
L	12	5		6.7		6.7				
R	6	4		2.7	2.7					
R	12	6		8.0		8.0				
L	12	4		5.3		5.3				
R	6	10		6.7		6.7				
<b>MAPLE ST</b>										
R	6	10		6.7		6.7				
R	6	15		10.0		10.0				
L	10	10		11.1					11.1	MANHOLE
L	12	6		8.0		8.0				
T	12	6		8.0		8.0				
R	4	6		2.7	2.7					
<b>SUB-TOTAL</b>					5.3	136.7	44.9	184.4		
<b>TOTAL</b>					20.4	375.3	140.4	331.7	11.1	
<b>USE</b>					20	375	140	332	11	



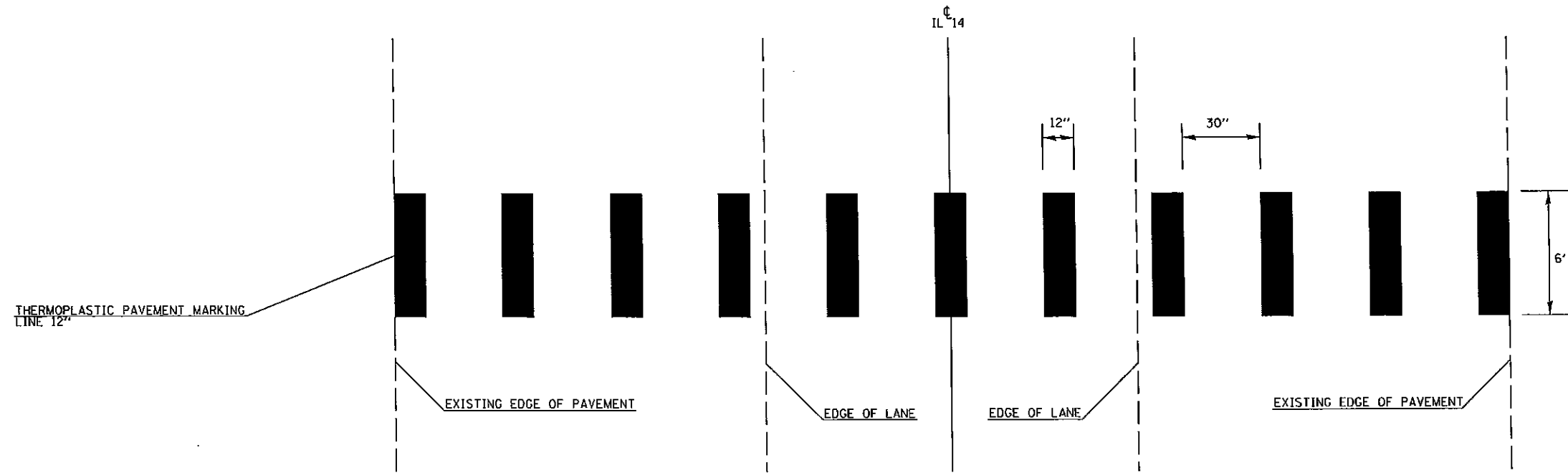


# PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION	THERMOPLASTIC PAVEMENT MARKING						SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING						REMARKS
	LINE 4"			LINE 12" - WHITE SOLID	LINE 24" - WHITE SOLID	LETTERS & SYMBOLS			LINE 4"			LINE 12" - WHITE SOLID	LINE 24" - WHITE SOLID	LETTERS & SYMBOLS	
	WHITE	YELLOW							WHITE	YELLOW					
	SOLID	SOLID	SKIP DASH						SOLID	SOLID	SKIP DASH				
FOOT	FOOT	FOOT	FOOT	FOOT	SO FT	FOOT	SO FT	FOOT	FOOT	FOOT	FOOT	FOOT	SO FT		
<b>ILLINOIS 14 (FAP 869)</b>															
<b>MAINLINE</b>															
907+06. TO 907+37.		124					16.0	44.0		124.0				2-DOUBLE YELLOW	
907+37. TO 909+78.		482	120.0				80.0	214.0		482.0	120.0			TWLT LANE	
908+89.						17.6		17.6					17.6	TWLT ARROWS	
909+78. TO 910+32.69 BK		218.76					16.0	75.6		218.8				2-DOUBLE YELLOW	
910+32.69 BK TO 869+71.5 AH															
869+71.5 AH TO 869+94.		90					16.0	32.7		90.0				2-DOUBLE YELLOW	
870+27.						20.8		20.8					20.8	"ONLY"	
870+51.						8.8		8.8					8.8	LEFT ARROW	
869+94. TO 870+61. LT		134					32.0	50.0		134.0				DOUBLE YELLOW	
869+94. TO 870+71. RT	77.0						32.0	31.0	77.0						
870+61.						10.0		20.0				10.0		STOP BAR	
870+71.						17.0		34.0				17.0		STOP BAR	
870+71. TO 871+40.														DU QUOIN ST.	
871+40.						17.0		34.0				17.0		STOP BAR	
871+40. TO 872+09. LT	69.0						32.0	28.3	69.0						
871+50.						10.0		20.0				10.0		STOP BAR	
871+50. TO 872+09. RT		118					16.0	42.0		118.0				DOUBLE YELLOW	
871+75.						8.8		8.8					8.8	LEFT ARROW	
871+89.						20.8		20.8					20.8	"ONLY"	
872+09. TO 872+87.		312					32.0	109.3		312.0				2-DOUBLE YELLOW	
872+87. TO 889+70.		3,366	840.0				608.0	1503.3		3366.0	840.0			TWLT LANE	
874+14.						17.6		17.6					17.6	TWLT ARROWS	
876+26.						17.6		17.6					17.6	TWLT ARROWS	
878+34.						17.6		17.6					17.6	TWLT ARROWS	
880+43.						17.6		17.6					17.6	TWLT ARROWS	
882+51.						17.6		17.6					17.6	TWLT ARROWS	
884+60.						17.6		17.6					17.6	TWLT ARROWS	
886+71.				66.0				66.0				66.0		CROSS WALK	
886+86.						17.6		17.6					17.6	TWLT ARROWS	
889+35.						17.6		17.6					17.6	TWLT ARROWS	
889+70. TO 889+75.				66.0				66.0				66.0		CROSS WALK	
889+75. TO 890+49.														MAPLE ST.	
890+49. TO 890+54.				66.0				66.0				66.0		CROSS WALK	
890+54. TO 891+16. LT	62.0						16.0	23.3	62.0						
890+54. TO 891+16. RT		124								124.0				DOUBLE YELLOW	
890+88.						8.8		8.8					8.8	LEFT ARROW	
891+05.						20.8		20.8					20.8	"ONLY"	
891+16. TO 892+21.		420					32.0	145.3		420.0				2-DOUBLE YELLOW	
893+13				66.0								66.0		CROSSWALK	
<b>TOTAL</b>	<b>208</b>	<b>5,389</b>	<b>960</b>	<b>264</b>	<b>54</b>	<b>247</b>	<b>928</b>	<b>2,852</b>	<b>208</b>	<b>5,389</b>	<b>960</b>	<b>264</b>	<b>54</b>	<b>247</b>	

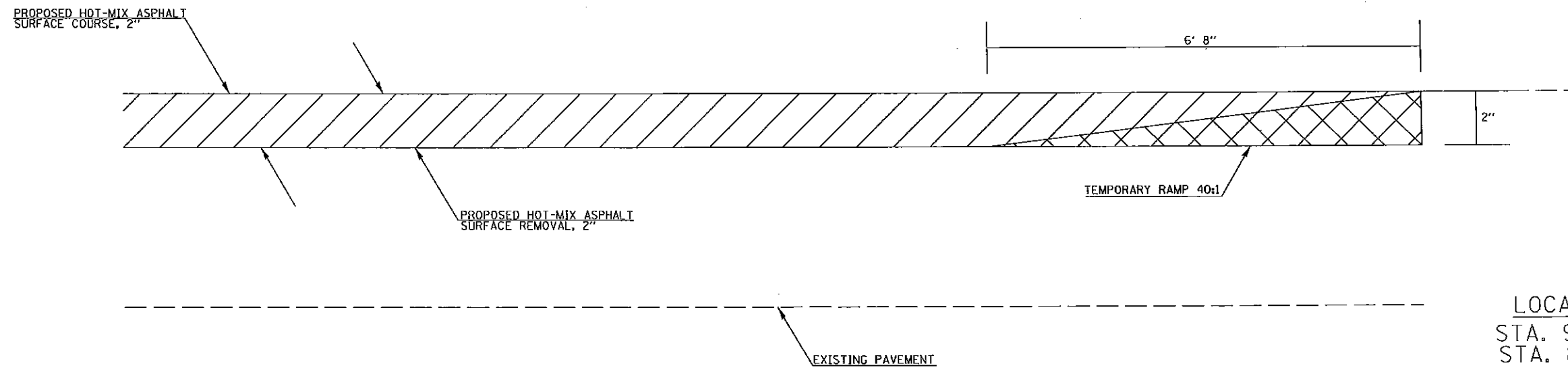
FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>PAVEMENT MARKING SCHEDULE</b>				P.A. RTE. 869	SECTION 4RS-4	COUNTY FRANKLIN	TOTAL SHEETS 11	SHEET NO. 9	
*FILE#		DRAWN -	REVISED -												
#MODELNAME#		CHECKED -	REVISED -												
		DATE -	REVISED -												
										SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
															ILLINOIS FED. AID PROJECT

### CROSSWALK PAVEMENT MARKING DETAIL



LOCATION  
 STA. 888+71  
 STA. 889+70  
 STA. 890+49  
 STA. 893+13

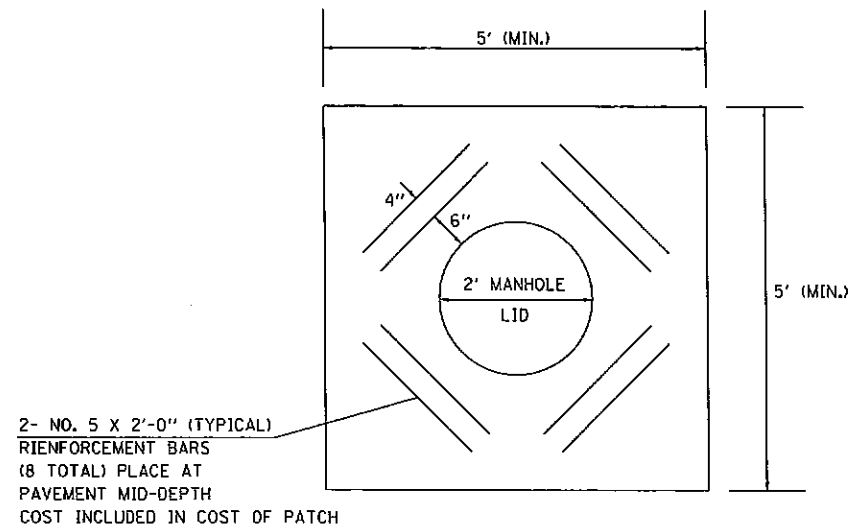
### BUTT JOINT DETAIL



LOCATION  
 STA. 907+06  
 STA. 893+13

FILE NAME *	USER NAME = #USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSSWALK PAVEMENT MARKING DETAIL, BUTT JOINT DETAIL</b>	F.A. RTE. 869	SECTION 4R5-4	COUNTY FRANKLIN	TOTAL SHEETS 11	SHEET NO. 10
*FILE#		DRAWN -	REVISED -							
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -							
*MODELNAME#	PLOT DATE = #DATE#	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.					[ILLINOIS] FED. AID PROJECT

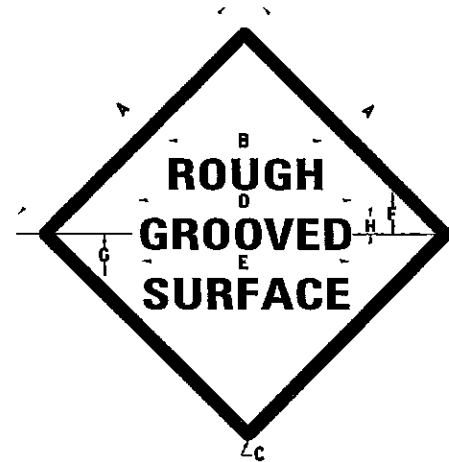
**CLASS C PATCHES (SPECIAL)**



2- NO. 5 X 2'-0" (TYPICAL)  
REINFORCEMENT BARS  
(8 TOTAL) PLACE AT  
PAVEMENT MID-DEPTH  
COST INCLUDED IN COST OF PATCH

PATCHES SHALL BE 10" IN DEPTH AND  
CONSTRUCTED ACCORDING TO HIGHWAY  
STANDARD 442201-03 AND SECTION 442  
OF THE STANDARD SPECIFICATIONS

**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:**

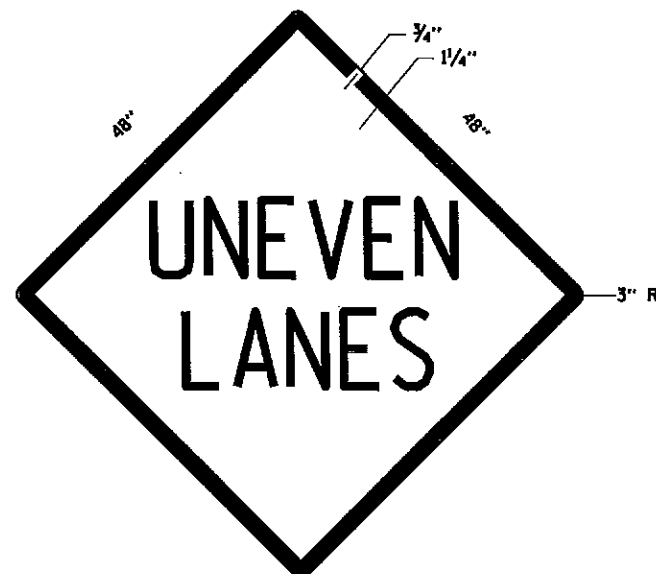
PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED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

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
REDISIGNED	
RESIZED	
REVIEWED	5-17-13

STD. 9-41

FILE NAME *	USER NAME * #USER*	DESIGNED --	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CLASS C PATCHES, ROUGH GROOVED SURFACE AND UNEVEN LANE SIGN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL*	PLOT SCALE * #SCALE*	DRAWN --	REVISED --			869	4RS-4	FRANKLIN	11	11	
#MODELNAME*	PLOT DATE * #DATE*	CHECKED --	REVISED --			CONTRACT NO. 78412					
		DATE --	REVISED --			ILLINOIS FED. AID PROJECT					