

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

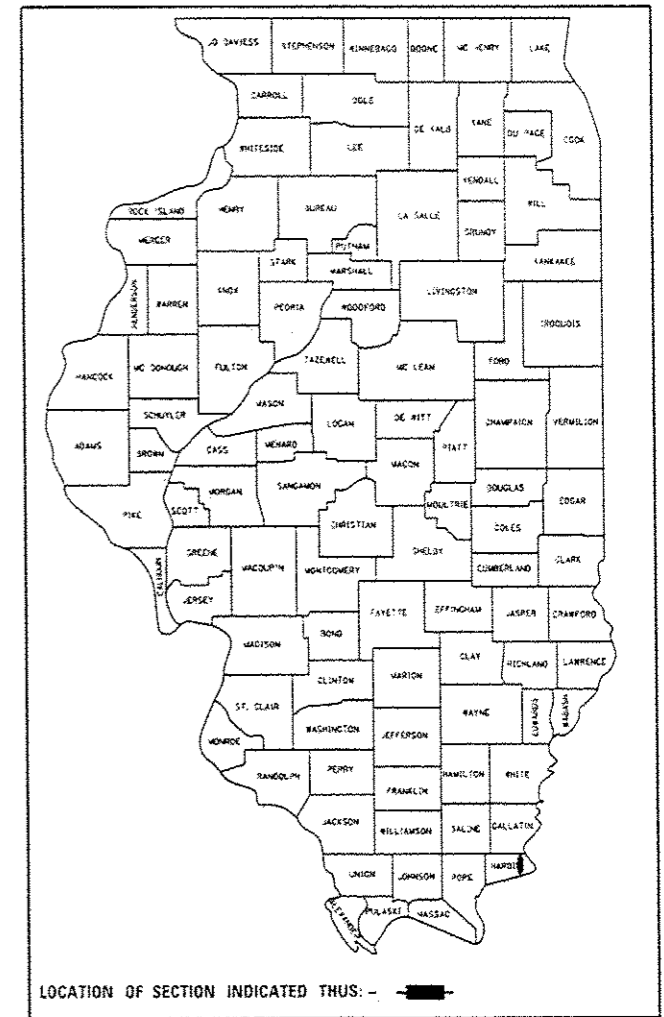
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	114RS-3, 115RS-4	HARDIN	17	1
ILLINOIS CONTRACT NO. 78438				

# PROPOSED HIGHWAY PLANS

FAP ROUTE 782 (IL 1)  
SECTION 114RS-3, 115RS-4

RESURFACING 3P  
HARDIN COUNTY

C-99-067-14



FOR INDEX OF SHEETS, SEE SHEET NO. 3

**STATION EQUATIONS**

EQN STA 824+25.50 BK = STA 826+27.30 AH
EQN STA 967+57.30 BK = STA 965+96.30 AH
EQN STA 996+31.40 BK = STA 996+38.64 AH
EQN STA 1231+16.10 BK = STA 1231+20.50 AH
EQN STA 1307+26.60 BK = STA 1307+26.80 AH
EQN STA 1317+51.50 BK = STA 1317+51.80 AH

**OMISSIONS**

SN 035-0001	STA 926+88.67	TO STA 928+41.33
SN 035-0002	STA 994+91.00	TO STA 999+85.00
SN 035-0003	STA 1015+10.22	TO STA 1016+33.22
SN 035-2000	STA 1032+66.00	TO STA 1038+20.00

**STRUCTURES**

035-0001	035-0002	035-0003
035-2000		035-2003
035-7001	035-7002	035-7003

**2013 TRAFFIC DATA**

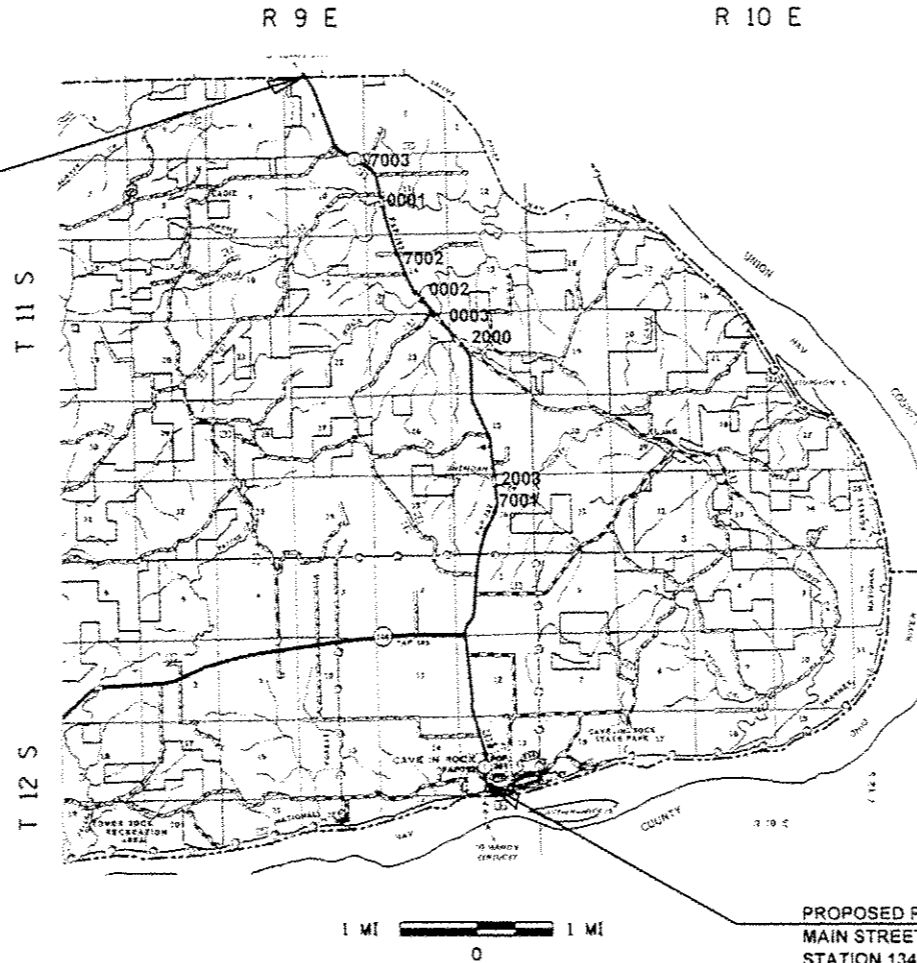
MP 0.00 TO MP 7.41	ADT = 1150,	30.9% TRUCKS
MP 7.41 TO MP 7.94	ADT = 1600,	30.0% TRUCKS
MP 7.94 TO MP 9.87	ADT = 1400,	5.7% TRUCKS

POSTED SPEED = 55 MPH

**TOWNSHIPS**

ROCK CREEK, BATTERY ROCK & CAVE-IN-ROCK

PROPOSED PROJECT BEGINS  
GALLATIN COUNTY LINE  
STATION 823+44 IL 1



GROSS LENGTH = 52192.00 FT. = 9.885 MILE  
NET LENGTH = 50873.64 FT. = 9.635 MILE

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

PROJECT ENGINEER: DARRYL LEFTWICH  
PROJECT DESIGNER: CHARLES STEIN

CONTRACT NO. 78438

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED June 26 20 14  
Jeffrey Keenan  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
Aug 15 20 14  
John D. Baranzelli PE, bc  
acting ENGINEER OF DESIGN AND ENVIRONMENT  
Aug 15 20 14  
Omer Osman, PE, bc  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS





**GENERAL NOTES**

THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.

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 TON/CU YD  
 ALL AGGREGATE                            2.05 TON/CU YD

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, 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 SHUT DOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE REMOVAL, SURFACE COURSE, AND BINDER COURSE.

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER. PATCHING SURVEY DATE 6/16/2014

THE CONTRACTOR SHALL COMPLETE ALL PATCHING PRIOR TO THE BITUMINOUS SURFACE REMOVAL.

THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT-MIX ASPHALT SURFACE AT 300 FT. INTERVALS ALTERNATING SIDES ON THE OUTSIDE EDGE OF 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.

ATTAINMENT OF PROPER CROWN OR SUPERELEVATION SHALL BE FULLY ACCOMPLISHED WITH THE HOT-MIX ASPHALT SURFACE REMOVAL OR HOT-MIX ASPHALT BINDER COURSE, WHEN SPECIFIED.

**-CONT. GENERAL NOTES**

RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHALL CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16 THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECKS AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURE. PROTECTION SHALL BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 101.17 REGARDLESS IF TRACK MOUNTED OR WHEELED.

MTD CROSSING RESTRICTIONS TABLE

SN & CENTERLINE STATION FAP 782 (IL 1)	EXISTING FILL HEIGHT OVER BOX CULVERT	THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT	MTD CROSSING RESTRICTIONS
	FOOT	FOOT	
SN 035-0001 (STA 927+65)	NA	NA	PENDING
SN 035-0002 (STA 996+97)	NA	NA	PENDING
SN 035-0003 (STA 1015+72)	NA	NA	PENDING
SN 035-2000 (STA 1035+43)	1.1	12"	PENDING
SN 035-2003 (STA 1138+77)	4.3	12"	PENDING
SN 035-7001 (STA 1145+84)	3.4	12"	LOADED
SN 035-7002 (STA 958+00)	3.9	12"	LOADED
SN 035-7003 (STA 896+45)	30.0	12"	LOADED

# SUMMARY OF QUANTITIES

COUNTY:	Hardin (069)
ROUTE:	FAP 782, IL 1
FUNDING:	100% STATE
LOCATION:	RURAL
TOTAL QUANTITY	RURAL ROADWAY 0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RURAL ROADWAY 0005	RURAL ROADWAY 0005
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	104,458	99,051	5,407
40600647	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90	TON	6,545	6,206	339
40600990	TEMPORARY RAMP	SQ YD	23	21	2
40603320	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N90	TON	13,059	12,383	676
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	154,753	146,742	8,011
44200180	PAVEMENT PATCHING, TYPE II, 15 INCH	SQ YD	800	756	44
44200184	PAVEMENT PATCHING, TYPE III, 15 INCH	SQ YD	525	496	29
44200186	PAVEMENT PATCHING, TYPE IV, 15 INCH	SQ YD	75	71	4
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	101,748	96,202	5,546
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1,700	1,672	28
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	11.0	10.4	0.6
67100100	MOBILIZATION	L SUM	1.0	0.9	0.1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	0.9	0.1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1.0	0.9	0.1

FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
o:\p\work\p\p\dot\l\af\c\hd\1\00402000\78438\shs-dwr.ssq.index.dgn		DRAWN -	REVISED -			782	114RS-3,115RS-4	HARDIN	17	5	
PLOT SCALE = 100.0000' / 1"		CHECKED -	REVISED -			SCALE:		SHEET 1 OF 2 SHEETS		STA. TO STA.	
PLOT DATE = 5/27/2014		DATE -	REVISED -			CONTRACT NO. 78438 ILLINOIS FED. AID PROJECT					

# SUMMARY OF QUANTITIES - CONT

COUNTY:	Hardin (069)
ROUTE:	FAP 782, IL 1
FUNDING:	100% STATE

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	LOCATION:	
				RURAL ROADWAY 0005	RURAL ROADWAY 0005
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1.0	0.9	0.1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	15,657	14,825	832
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	90	62	28
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	205,871	195,611	10,260
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	24	24	0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	73,980	70,255	3,725
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	90	62	28
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	205,870	195,610	10,260
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	24	24	0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	793	754	39
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	793	754	39
Z0034105	MATERIAL TRANSFER DEVICE	TON	13,059	12,044	1,015

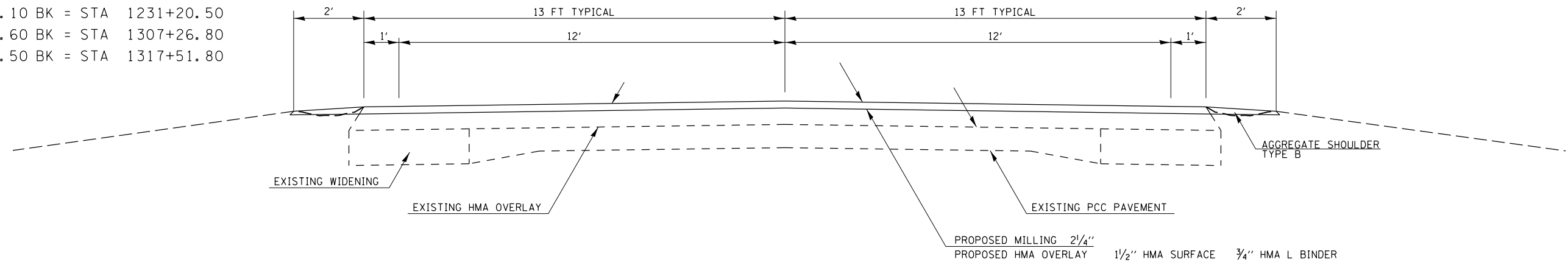
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\* SPECIALTY ITEMS

TYPICAL SECTION #1

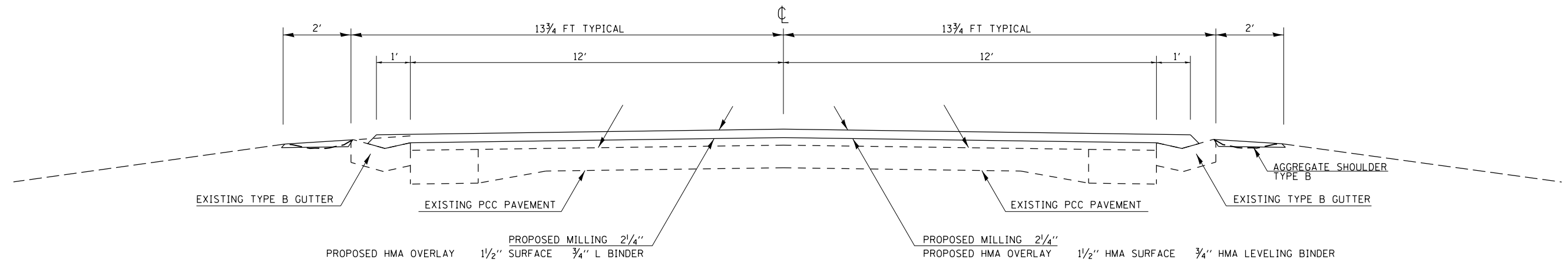
STATION EQUATIONS

824+25.50 BK = STA 826+27.30  
 967+57.30 BK = STA 965+96.30  
 996+31.40 BK = STA 996+36.70  
 1231+16.10 BK = STA 1231+20.50  
 1307+26.60 BK = STA 1307+26.80  
 1317+51.50 BK = STA 1317+51.80



STATION 823+44 TO STATION 1319+17  
 APPLIES TO ALL LOCATION WITHIN THESE STATION LIMITS  
 EXCEPT AS NOTED ON TYPICALS #2, #3 AND #4.

TYPICAL SECTION #2



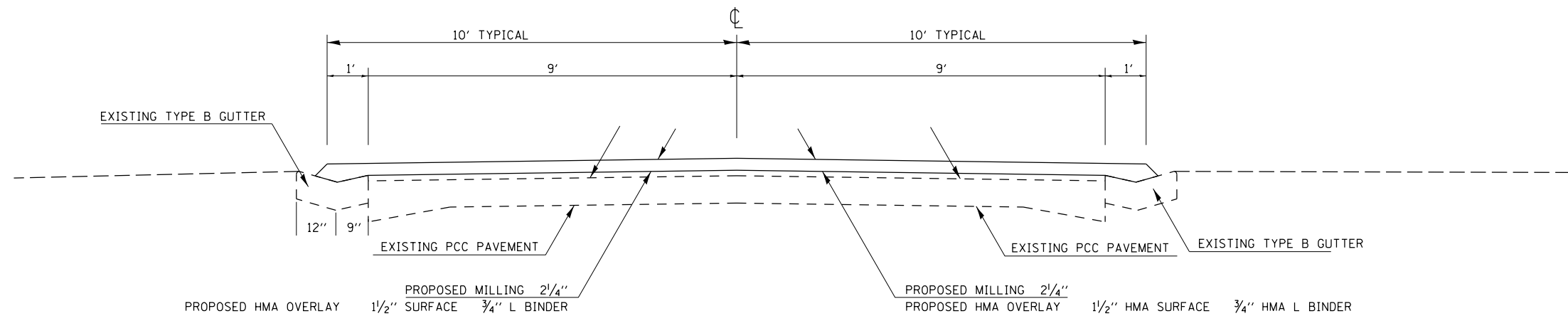
LT STA 1047+70 TO STA 1051+20 (TYPE A GUTTER 3')  
 LT STA 1051+20 TO STA 1061+25  
 LT STA 1121+00 TO STA 1134+14  
 LT STA 1215+00 TO STA 1234+24  
 OTHER SECTIONS NOT LISTED

RT STA 903+38 TO STA 911+20  
 RT STA 1047+32 TO STA 1161+25  
 RT STA 1121+00 TO STA 1134+14  
 RT STA 1215+00 TO STA 1225+30  
 RT STA 1230+50 TO STA 1234+24  
 OTHER SECTIONS NOT LISTED

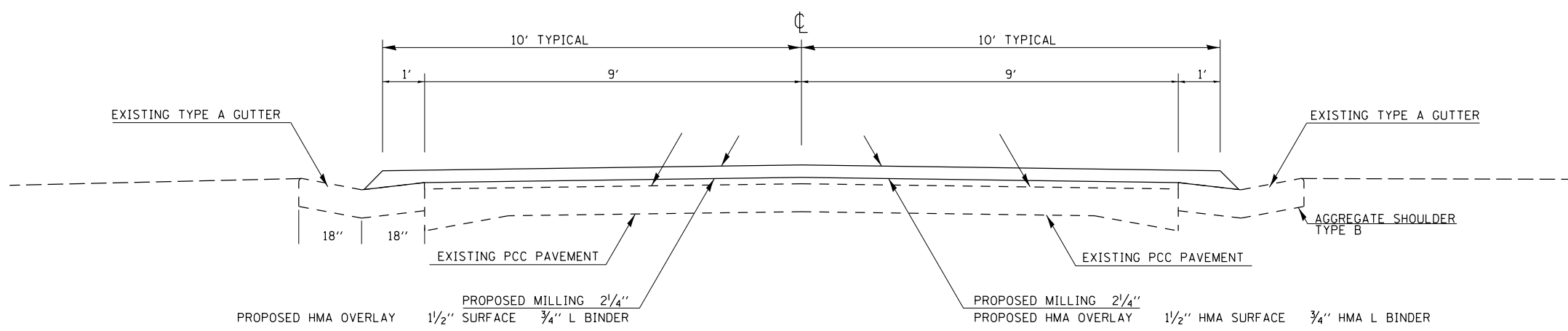
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwork\pwork\left\lft\chd\ld0402008\78438-sha-cvr-soq-index.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					782	114RS-3,115RS-4	HARDIN	17	7
\$MODELNAME\$	PLOT DATE = 6/27/2014	CHECKED -	REVISED -		SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.			CONTRACT NO. 78438				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							







STATION 1319+17 TO STATION 1339+56



STATION 1339+56 TO STATION 1345+87

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
c:\pwork\pwork\left\lftwchd\ld0402008\78438-sha-cvr-soq-index.dgn		DRAWN -	REVISED -		SCALE:	SHEET 3	OF 3	SHEETS	STA.	TO STA.	782	114RS-3,115RS-4	HARDIN	17	9
\$MODELNAME\$		CHECKED -	REVISED -								CONTRACT NO. 78438				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

# PAVEMENT RESURFACING SCHEDULE

IL 1 HARDIN COUNTY LOCATION STATION TO STATION			PROJECT LENGTH (INFO ONLY)	HMA LB IL-9.5mm N90	HMA SC "C" N90	HMA SURF REM 2 1/4	STRIP REF CR CON TR	BIT MATLS PR CT	TEMPORARY RAMP	AGG WEDGE SHLD	MATERIAL TRANSFER DEVICE
STA	TO	STA	FEET	TON	TON	SQ YD	FOOT	LB	TON	TON	TON
<b>IL 1 RURAL SECTION</b>											
STA 823+44.00	TO STA 824+25.50		81.50	10.0	19.9	235.4	163.0	158.9	2	2.8	29.8
EQN STA 824+25.50 BK	= STA 826+27.30 AH					0.0					
STA 826+27.30	TO STA 926+88.67		10061.37	1229.6	2453.3	29066.2	20122.7	19619.7	2	350.1	3682.9
STA 926+88.67	TO STA 928+41.33		OMISSION								
STA 928+41.33	TO STA 967+57.30		3915.97	478.6	954.8	11312.8	7831.9	7636.1	2	136.3	1433.4
EQN STA 967+57.30 BK	= STA 965+96.30 AH					0.0					
STA 965+96.30	TO STA 994+91.00		2894.70	353.8	705.8	8362.5	5789.4	5644.7	2	100.7	1059.6
STA 994+91.00	TO STA 996+31.40		OMISSION								
EQN STA 996+31.40 BK	= STA 996+38.64 AH										
STA 996+38.64	TO STA 999+85.00		OMISSION								
STA 999+85.00	TO STA 1015+10.22		1525.22	186.4	371.9	4406.2	3050.4	2974.2	4	53.1	558.3
STA 1015+10.22	TO STA 1016+33.22		OMISSION								
STA 1016+33.22	TO STA 1032+66.00		1632.78	199.5	398.1	4716.9	3265.6	3183.9	4	56.8	597.7
STA 1032+66.00	TO STA 1038+20.00		OMISSION								
STA 1038+20.00	TO STA 1199+05.00		16085.00	1965.7	3922.1	46467.8	32170.0	31365.8	2	559.7	5887.8
STA 1199+05.00	TO STA 1200+96.00		191.00	29.6	59.1	700.3	382.0	472.7		6.6	88.6
STA 1200+96.00	TO STA 1231+16.10		3020.10	538.2	1074.7	12751.5	6040.2	8607.3		105.1	1612.9
EQN STA 1231+16.10 BK	= STA 1231+20.50 AH					0.0					
STA 1231+20.50	TO STA 1239+35.00		814.50	145.2	289.8	3439.0	1629.0	2321.3		28.3	435.0
STA 1239+35.00	TO STA 1240+73.00		138.00	29.1	58.1	690.0	276.0	465.8		4.8	87.2
STA 1240+73.00	TO STA 1242+00.00		127.00	29.7	59.4	705.6	254.0	476.3		4.4	89.2
STA 1242+00.00	TO STA 1242+60.00		60.00	15.7	31.4	373.3	120.0	252.0	1	2.1	47.2
STA 1242+60.00	TO STA 1243+15.00		55.00	12.9	25.7	305.6	110.0	206.3		1.0	38.6
STA 1243+15.00	TO STA 1244+16.00		101.00	21.3	42.5	505.0	202.0	340.9	2	1.8	63.8
STA 1244+16.00	TO STA 1252+92.00		876.00	156.1	311.7	3698.7	1752.0	2496.6		30.5	467.8
STA 1252+92.00	TO STA 1255+04.00		212.00	32.8	65.5	777.3	424.0	524.7		7.4	98.4
STA 1255+04.00	TO STA 1307+26.60		5222.60	638.2	1273.4	15087.5	10445.2	10184.1		181.7	1911.7
EQN STA 1307+26.60 BK	= STA 1307+26.80 AH					0.0					
STA 1307+26.80	TO STA 1317+51.50		1024.70	125.2	249.9	2960.2	2049.4	1998.2		35.7	375.1
EQN STA 1317+51.50 BK	= STA 1317+51.80 AH					0.0					
STA 1317+51.80	TO STA 1318+14.00		62.20	7.6	15.2	179.7	124.4	121.3		2.2	22.8
<b>RURAL TOTALS</b>			<b>48100.64</b>	<b>6205</b>	<b>12382</b>	<b>146742</b>	<b>96201</b>	<b>99051</b>	<b>21</b>	<b>1671</b>	<b>18588</b>
<b>IL 1 URBAN SECTION</b>											
STA 1318+14.00	TO STA 1319+17.00		103.00	12.6	25.1	297.6	206.0	200.9		3.6	37.7
STA 1319+17.00	TO STA 1321+30.00		213.00	26.0	51.9	615.3	426.0	415.4		7.4	78.0
STA 1321+30.00	TO STA 1345+87.00		2457.00	300.3	599.1	7098.0	4914.0	4791.2	2	17.4	899.4
<b>URBAN TOTALS</b>			<b>2773.00</b>	<b>339</b>	<b>676</b>	<b>8011</b>	<b>5546</b>	<b>5407</b>	<b>2</b>	<b>28</b>	<b>1015</b>
<b>PROJECT TOTALS</b>			<b>50873.64</b>	<b>6545</b>	<b>13059</b>	<b>154753</b>	<b>101748</b>	<b>104458</b>	<b>23</b>	<b>1700</b>	<b>19603</b>

# PAVEMENT MARKING SCHEDULE

IL 1 HARDIN COUNTY LOCATION STATION TO STATION			THERMOPLASTIC PAVEMENT MARKING						TEMP PVMT MRK 4"	TEMP PVMT MRK 24"	TEMP LETTERS AND SYMBOLS SQ FT	SHORT TERM PVMT MRK FT	WORK ZONE PVMT MRK REMOVAL SQ FT	
			SOLID WHITE 4"		LINE - YELLOW 4"			SOLID WHITE 24"						LETTERS AND SYMBOLS SQ FT
			EDGE LINE FT	LANE LINE	LEFT SOLID FT	CENTER DASHED FT	RIGHT SOLID FT							
STA	TO	STA												
<b>IL 1 RURAL SECTION</b>														
STA	823+44.00	TO STA	824+25.50											
EQN	STA	824+25.50	BK = STA	826+27.30										
STA	826+27.30	TO STA	837+00.00											
STA	837+00.00	TO STA	848+00.00											
STA	848+00.00	TO STA	848+25.00											
STA	848+25.00	TO STA	858+75.00											
STA	858+75.00	TO STA	882+00.00											
STA	882+00.00	TO STA	891+00.00											
STA	891+00.00	TO STA	892+00.00											
STA	892+00.00	TO STA	904+00.00											
STA	904+00.00	TO STA	908+50.00											
STA	908+50.00	TO STA	919+25.00											
STA	919+25.00	TO STA	946+00.00											
STA	946+00.00	TO STA	957+00.00											
STA	957+00.00	TO STA	967+57.30											
EQN	STA	967+57.30	BK = STA	965+96.30										
STA	965+96.30	TO STA	967+25.00											
STA	967+25.00	TO STA	969+50.00											
STA	969+50.00	TO STA	973+00.00											
STA	973+00.00	TO STA	985+00.00											
STA	985+00.00	TO STA	987+50.00											
STA	987+50.00	TO STA	996+31.40											
EQN	STA	996+31.40	BK = STA	996+38.64										
STA	996+38.64	TO STA	999+00.00											
STA	999+00.00	TO STA	1000+00.00											
STA	1000+00.00	TO STA	1007+25.00											
STA	1007+25.00	TO STA	1011+50.00											
STA	1011+50.00	TO STA	1014+20.00											
STA	1014+20.00	TO STA	1018+00.00											
STA	1018+00.00	TO STA	1022+75.00											
STA	1022+75.00	TO STA	1026+00.00											
STA	1026+00.00	TO STA	1033+00.00											
STA	1033+00.00	TO STA	1045+25.00											
STA	1045+25.00	TO STA	1052+75.00											
STA	1052+75.00	TO STA	1064+00.00											
STA	1064+00.00	TO STA	1076+00.00											
STA	1076+00.00	TO STA	1093+00.00											
STA	1093+00.00	TO STA	1103+00.00											
STA	1103+00.00	TO STA	1115+00.00											

# PAVEMENT MARKING SCHEDULE - CONT

IL 1 HARDIN COUNTY LOCATION STATION TO STATION			THERMOPLASTIC PAVEMENT MARKING						TEMP PVMT MRK 4"	TEMP PVMT MRK 24"	TEMP LETTERS AND SYMBOLS SQ FT	SHORT TERM PVMT MRK FT	WORK ZONE PVMT MRK REMOVAL SQ FT	
			SOLID WHITE 4"		LINE - YELLOW 4"			SOLID WHITE 24"						LETTERS AND SYMBOLS
			EDGE LINE FT	LANE LINE	LEFT SOLID FT	CENTER DASHED FT	RIGHT SOLID FT							
STA 1115+00.00	TO STA 1117+50.00	500.0		250.0		250.0			1000.0		75.0	358.3		
STA 1117+50.00	TO STA 1128+50.00	2200.0		1100.0	1100.0				4400.0		330.0	1576.7		
STA 1128+50.00	TO STA 1143+00.00	2900.0			1450.0				4350.0		435.0	1595.0		
STA 1143+00.00	TO STA 1153+50.00	2100.0			1050.0	1050.0			4200.0		315.0	1505.0		
STA 1153+50.00	TO STA 1154+00.00	100.0			50.0				150.0		15.0	55.0		
STA 1154+00.00	TO STA 1164+25.00	2050.0		1025.0	1025.0				4100.0		307.5	1469.2		
STA 1164+25.00	TO STA 1166+00.00	350.0			175.0				525.0		52.5	192.5		
STA 1166+00.00	TO STA 1175+00.00	1800.0			900.0	900.0			3600.0		270.0	1290.0		
STA 1175+00.00	TO STA 1176+50.00	300.0			150.0				450.0		45.0	165.0		
STA 1176+50.00	TO STA 1186+00.00	1900.0		950.0	950.0				3800.0		285.0	1361.7		
STA 1186+00.00	TO STA 1194+25.00	1650.0			825.0				2475.0		247.5	907.5		
STA 1194+25.00	TO STA 1199+05.00	960.0			480.0	480.0			1920.0		144.0	688.0		
STA 1199+05.00	TO STA 1200+96.00	382.0			191.0	191.0			764.0		57.3	273.8		
STA 1200+96.00	TO STA 1204+25.00	658.0	329.0		329.0	329.0			1645.0		98.7	581.2		
STA 1204+25.00	TO STA 1215+75.00	2300.0	1150.0		1150.0				4600.0		345.0	1648.3		
STA 1215+75.00	TO STA 1231+16.10	3082.2	1541.1		1541.1	1541.1			7705.5		462.3	2722.6		
EQN STA 1231+16.10 BK = STA 1231+20.50 AH														
STA 1231+20.50	TO STA 1239+50.00	1659.0	829.5		829.5	829.5			4147.5		248.9	1465.5		
STA 1239+50.00	TO STA 1240+80.00	260.0	130.0		130.0	130.0	36.4		650.0	36.4	39.0	266.1		
STA 1240+80.00	TO STA 1242+00.00	240.0	240.0		120.0	120.0			720.0		36.0	252.0		
STA 1242+00.00	TO STA 1242+60.00	120.0	180.0		60.0	60.0			420.0		18.0	146.0		
STA 1242+60.00	TO STA 1243+15.00	110.0	165.0		55.0	55.0			385.0		16.5	133.8		
STA 1243+15.00	TO STA 1244+16.00	202.0	101.0		101.0	101.0	24.0		505.0	24.0	30.3	226.4		
STA 1244+16.00	TO STA 1246+00.00	368.0	184.0		184.0	184.0		26.0	920.0	26.0	55.2	351.1		
STA 1246+00.00	TO STA 1252+92.00	1384.0	692.0		692.0				2768.0		207.6	991.9		
STA 1252+92.00	TO STA 1255+04.00	424.0			212.0				636.0		63.6	233.2		
STA 1255+04.00	TO STA 1268+75.00	2742.0			1371.0				4113.0		411.3	1508.1		
STA 1268+75.00	TO STA 1275+00.00	1250.0			625.0	625.0			2500.0		187.5	895.8		
STA 1275+00.00	TO STA 1278+00.00	600.0			300.0				900.0		90.0	330.0		
STA 1278+00.00	TO STA 1282+00.00	800.0		400.0	400.0				1600.0		120.0	573.3		
STA 1282+00.00	TO STA 1283+50.00	300.0		150.0		150.0			600.0		45.0	215.0		
STA 1283+50.00	TO STA 1293+00.00	1900.0			950.0	950.0			3800.0		285.0	1361.7		
STA 1293+00.00	TO STA 1295+00.00	400.0		200.0		200.0			800.0		60.0	286.7		
STA 1295+00.00	TO STA 1304+00.00	1800.0		900.0	900.0				3600.0		270.0	1290.0		
STA 1304+00.00	TO STA 1306+00.00	400.0		200.0		200.0			800.0		60.0	286.7		
STA 1306+00.00	TO STA 1307+26.60	253.2			126.6	126.6			506.4		38.0	181.5		
EQN STA 1307+26.60 BK = STA 1307+26.80 AH														
STA 1307+26.80	TO STA 1312+75.00	1096.4			548.2	548.2			2192.8		164.5	785.8		
STA 1312+75.00	TO STA 1317+51.50	953.0		476.5		476.5			1906.0		143.0	683.0		
EQN STA 1317+51.50 BK = STA 1317+51.80 AH														
STA 1317+51.80	TO STA 1318+14.00	124.4		62.2		62.2			248.8		18.7	89.2		
<b>RURAL TOTALS</b>														
			<b>98834</b>	<b>5542</b>	<b>22647</b>	<b>38683</b>	<b>29904</b>	<b>24</b>	<b>62.4</b>	<b>195611</b>	<b>24</b>	<b>62.4</b>	<b>14825</b>	<b>70255</b>

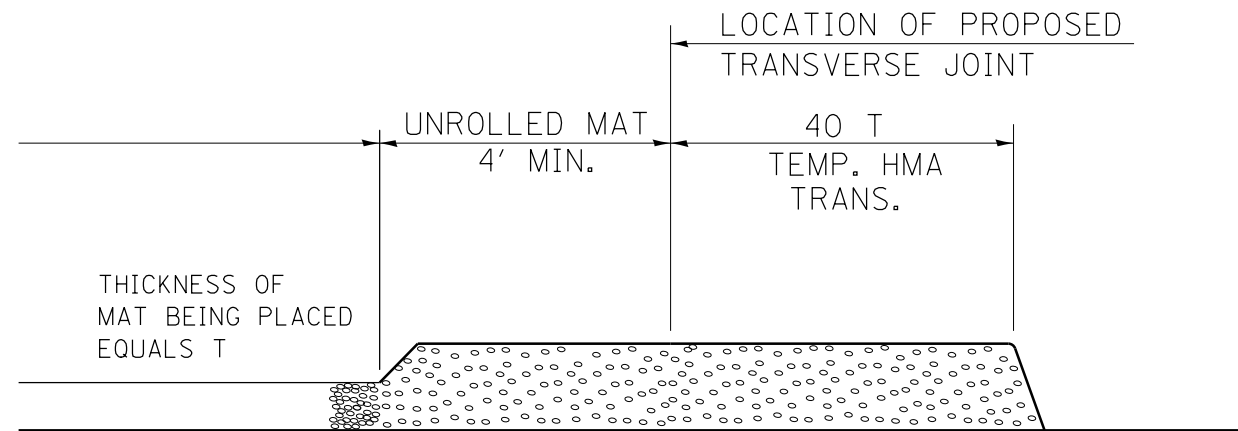
## PAVEMENT MARKING SCHEDULE - CONT

IL 1 HARDIN COUNTY LOCATION STATION TO STATION  STA            TO            STA	THERMOPLASTIC PAVEMENT MARKING							TEMP PVMT MRK 4"	TEMP PVMT MRK 24"	TEMP LETTERS AND SYMBOLS	SHORT TERM PVMT MRK	WORK ZONE PVMT MRK REMOVAL
	SOLID WHITE 4"		LINE - YELLOW 4"			SOLID WHITE 24"	LETTERS AND SYMBOLS					
	EDGE LINE FT	LANE LINE	LEFT SOLID FT	CENTER DASHED FT	RIGHT SOLID FT							
<u>IL 1 URBAN SECTION</u>												
STA 1318+14.00 TO STA 1331+80.00	2732.0		1366.0		1366.0			5464.0			409.8	1957.9
STA 1331+80.00 TO STA 1336+50.00	940.0		470.0	470.0				1880.0			141.0	673.7
STA 1336+50.00 TO STA 1345+87.00	1874.0	105.0		937.0			27.7	2916.0		27.7	281.1	1093.4
<b>URBAN TOTALS</b>	<b>5546</b>	<b>105</b>	<b>1836</b>	<b>1407</b>	<b>1366</b>		<b>27.7</b>	<b>10260</b>		<b>27.7</b>	<b>832</b>	<b>3725</b>
<b>PROJECT TOTALS</b>	<b>104380</b>	<b>5647</b>	<b>24483</b>	<b>40090</b>	<b>31270</b>	<b>24</b>	<b>90.1</b>	<b>205871</b>	<b>24</b>	<b>90.1</b>	<b>15657</b>	<b>73980</b>
			205870									

# RAISED REFLECTIVE PAVEMENT MARKERS

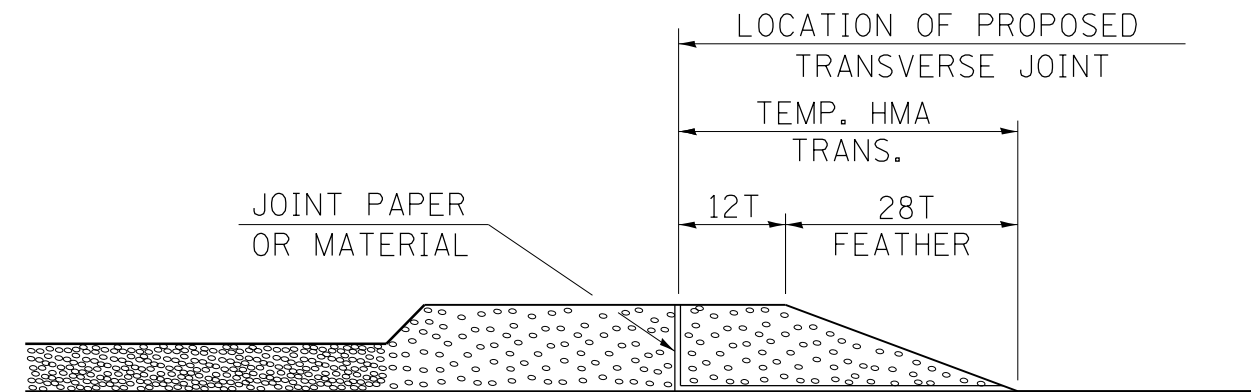
IL 1 HARDIN COUNTY LOCATION STATION TO STATION			PROJECT LENGTH ( INFO ONLY) FEET	NOTE ( INFO ONLY)	RAISED REF PVMT MRK			RAISED REF PVMT MKR REMOVAL EACH
					CNT LINE EACH	LANE LINE EACH	EDGE LINE EACH	
<b>IL 1 RURAL SECTION</b>								
STA 823+44.00	TO STA 824+25.50		81.50	2 LANE	2			2
EQN STA 824+25.50 BK = STA 826+27.30 AH				STA EQN				
STA 826+27.30	TO STA 926+88.67		10061.37	2 LANE	126			126
STA 926+88.67	TO STA 928+41.33		OMISSION	OMISSION				
STA 928+41.33	TO STA 967+57.30		3915.97	2 LANE	49			49
EQN STA 967+57.30 BK = STA 965+96.30 AH				STA EQN				
STA 965+96.30	TO STA 994+91.00		2894.70	2 LANE	36			36
STA 994+91.00	TO STA 996+31.40		OMISSION	OMISSION				
EQN STA 996+31.40 BK = STA 996+38.64 AH				STA EQN				
STA 996+38.64	TO STA 999+85.00		OMISSION	OMISSION				
STA 999+85.00	TO STA 1015+10.22		1525.22	2 LANE	19			19
STA 1015+10.22	TO STA 1016+33.22		OMISSION	OMISSION				
STA 1016+33.22	TO STA 1032+66.00		1632.78	2 LANE	20			20
STA 1032+66.00	TO STA 1038+20.00		OMISSION	OMISSION				
STA 1038+20.00	TO STA 1199+05.00		16085.00	2 LANE	202			202
STA 1199+05.00	TO STA 1200+96.00		191.00	TRANSITION	3		10	13
STA 1200+96.00	TO STA 1231+16.10		3020.10	3 LANE	37	76	5	118
EQN STA 1231+16.10 BK = STA 1231+20.50 AH				STA EQN				
STA 1231+20.50	TO STA 1239+35.00		814.50	3 LANE	10	20		30
STA 1239+35.00	TO STA 1240+73.00		138.00	TRANSITION	2	4		6
STA 1240+73.00	TO STA 1242+00.00		127.00	4 LANE	2	8		10
STA 1242+00.00	TO STA 1242+60.00		60.00	4 LANE ++	1	1		2
STA 1242+60.00	TO STA 1243+15.00		55.00	3 LANE +++	1	1		2
STA 1243+15.00	TO STA 1244+16.00		101.00	3 LANE +++	1	2		3
STA 1244+16.00	TO STA 1252+92.00		876.00	3 LANE	11	22		33
STA 1252+92.00	TO STA 1255+04.00		212.00	TRANSITION	3			3
STA 1255+04.00	TO STA 1307+26.60		5222.60	2 LANE	66			66
EQN STA 1307+26.60 BK = STA 1307+26.80 AH				STA EQN				
STA 1307+26.80	TO STA 1317+51.50		1024.70	2 LANE	13			13
EQN STA 1317+51.50 BK = STA 1317+51.80 AH				STA EQN				
STA 1317+51.80	TO STA 1318+14.00		62.20	RURAL	1			1
<b>RURAL TOTALS</b>			<b>48100.64</b>		<b>605</b>	<b>134</b>	<b>15</b>	<b>754</b>
<b>IL 1 URBAN SECTION</b>								
STA 1318+14.00	TO STA 1319+17.00		103.00	URBAN	3			3
STA 1319+17.00	TO STA 1321+30.00		213.00	2 LANE	4			4
STA 1321+30.00	TO STA 1345+87.00		2457.00	2 LANE	32			32
<b>URBAN TOTALS</b>			<b>2773.00</b>		<b>39</b>	<b>0</b>	<b>0</b>	<b>39</b>
<b>PROJECT TOTALS</b>			<b>50873.64</b>		<b>644</b>	<b>134</b>	<b>15</b>	<b>793</b>
					<b>793</b>			

# TEMPORARY HOT-MIX ASPHALT TRANSITIONS



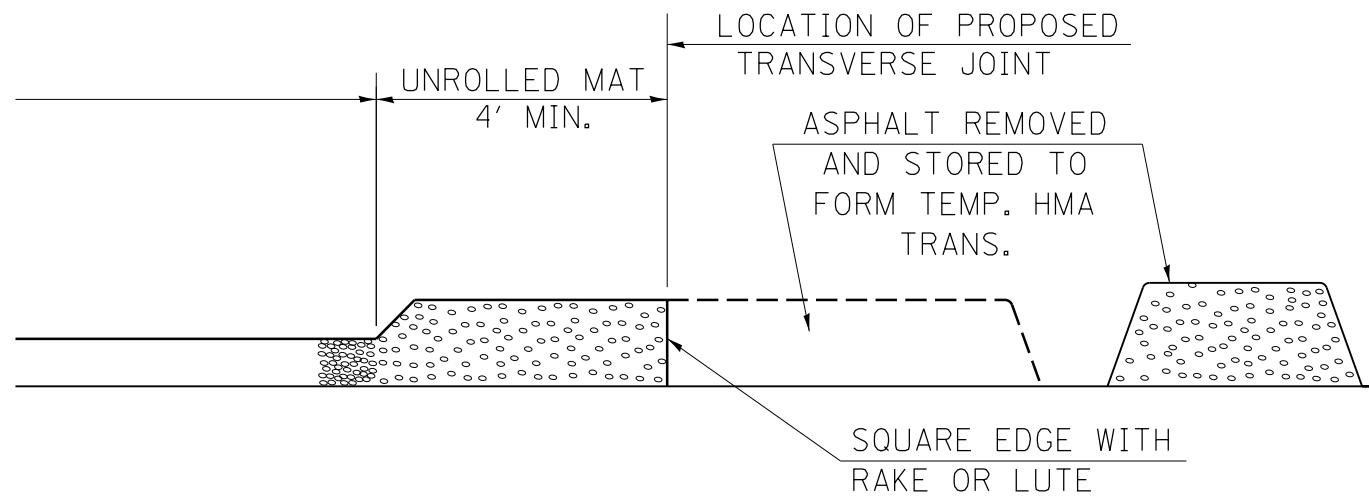
PLACE HOT-MIX ASPHALT MAT, LENGTH 40 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.

EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



## STEP III

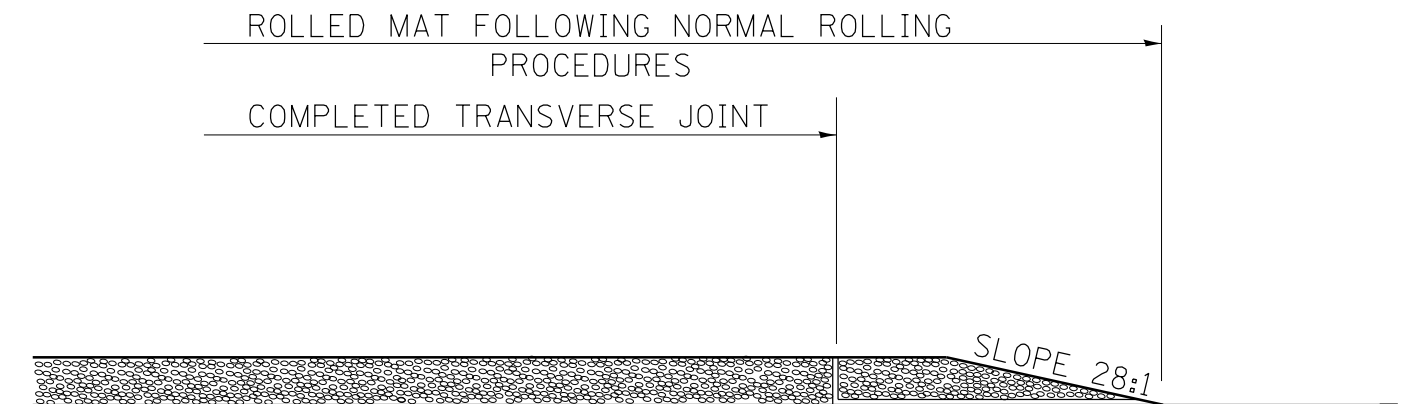
1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.

SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.

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

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
ci:\pw\work\p1dot\leftwich\ld0402008\78438-sha-cvr_sq_index.dgn		DRAWN -	REVISED -
\$MODELNAME\$	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/27/2014	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

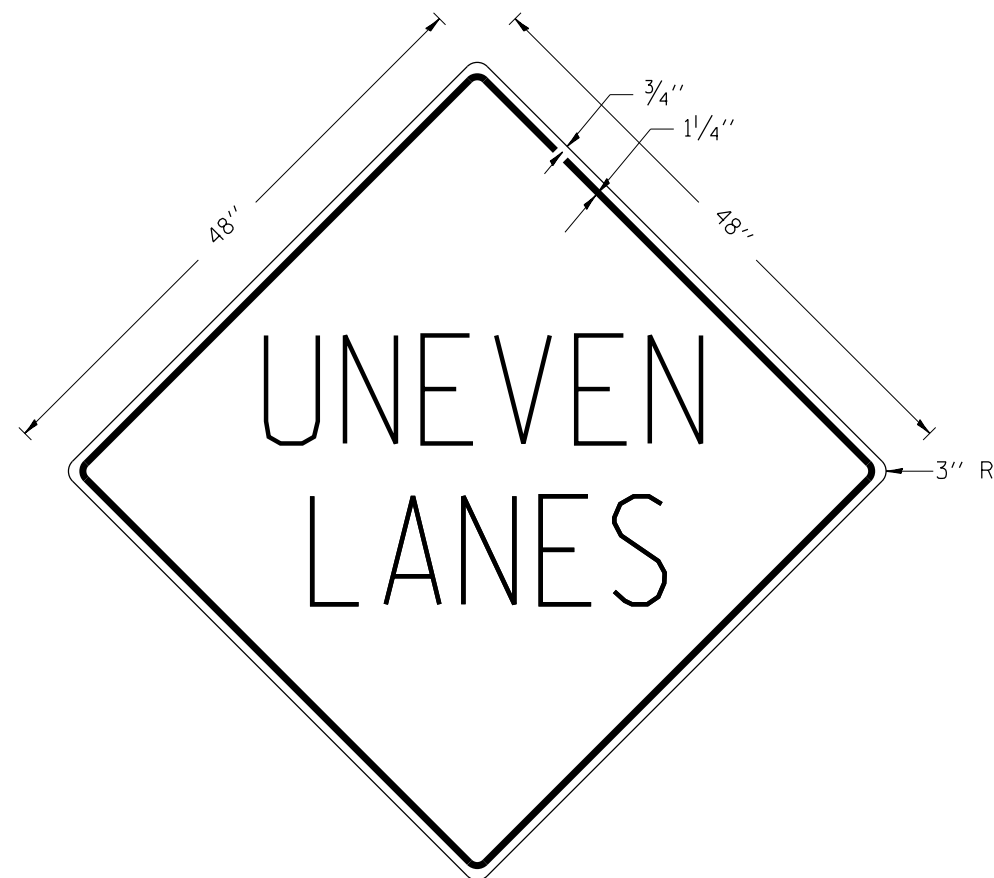
TEMPORARY HOT-MIX ASPHALT TRANSITIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	114RS-3,115RS-4	HARDIN	17	15
CONTRACT NO. 78438			ILLINOIS FED. AID PROJECT	

# 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.

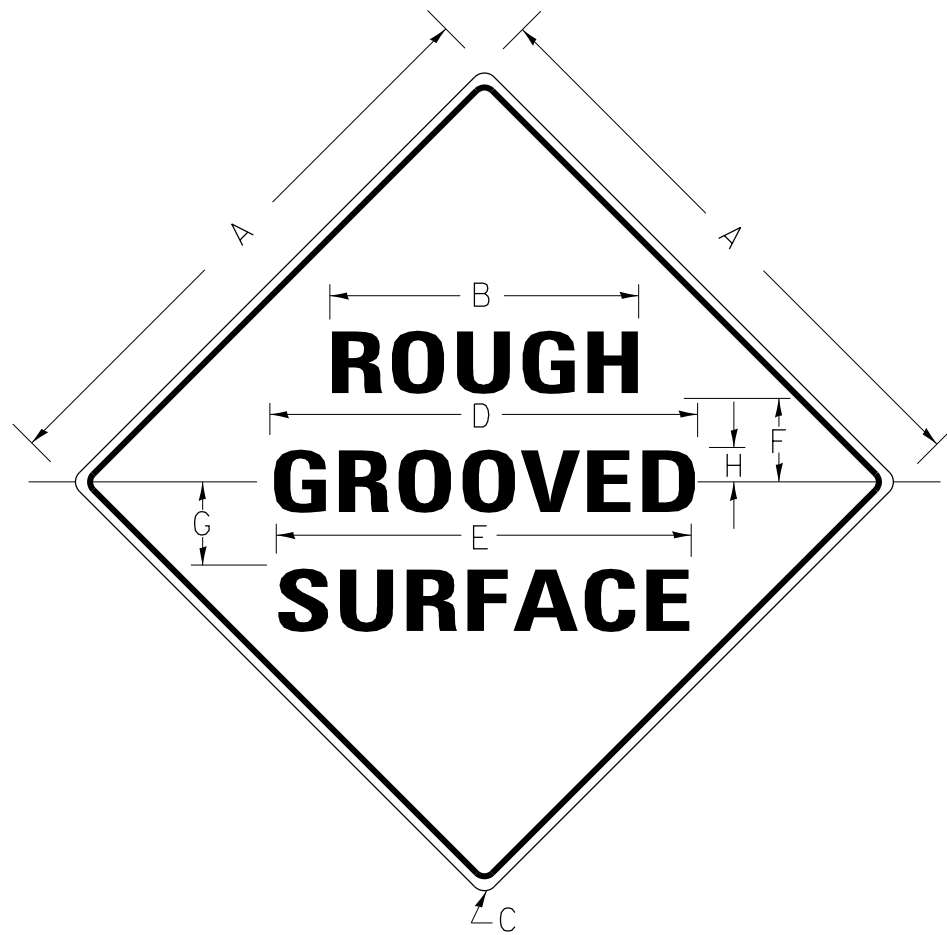
**REVISIONS**

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

STD. 9-41

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>UNEVEN LANES SIGN</b>	SCALE:	SHEET OF SHEETS	STA. TO STA.	
ci:\pw\work\p1dot\leftwich\d0402008\78438-sha-cvr-soq-index.dgn		DRAWN -	REVISED -						
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -						
\$MODELNAME\$	PLOT DATE = 6/27/2014	DATE -	REVISED -						
				SECTION		COUNTY		TOTAL SHEETS	SHEET NO.
				782		114RS-3,115RS-4		HARDIN	17
						CONTRACT NO.		78438	
				ILLINOIS FED. AID PROJECT					





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.

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