

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	34(RS-5),35(RS-3),36(RS-4)	JOHNSON	16	1
		ILLINOIS	CONTRACT NO. 78348	

FOR INDEX OF SHEETS, SEE SHEET NO. 3

STATION EQUATIONS

1120+61.6 BK = 1120+70.0 AH
1150+10.7 BK = 1150+15.0 AH
1184+79.0 BK = 1184+81.9 AH
1249+72.6 BK = 1249+70.9 AH
1368+53.7 BK = 1377+35.9 AH
1385+67.4 BK = 1385+67.6 AH
1423+42.06 BK = 1423+38.88 AH
1476+96.2 BK = 1476+90.0 AH
1509+67.45 BK = 1509+73.12 AH
1537+94.9 BK = 1537+93.4 AH
1578+24.3 BK = 1586+92.7 AH

OMISSION STATION  
1555+54.29 TO 1557+50.98

# PROPOSED HIGHWAY PLANS

FAP ROUTE 881 (US 45)  
SECTION 34(RS-5),35(RS-3),36(RS-4)

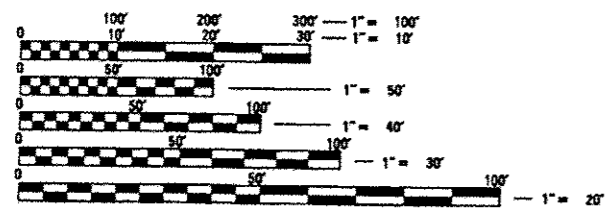
RESURFACING 3P  
JOHNSON COUNTY



US 45 (FAP 881)  
TRAFFIC DATA

	(2014)	(2034)
PV =	1,905	2,575
SU =	150	205
MU =	175	230
ADT =	2,230	3,010

**TOWNSHIPS**  
BLOOMFIELD, TUNNEL HILL, BURNSIDE  
T.12S-R.3E, T.11S-R.3E, T.11S-R.4E

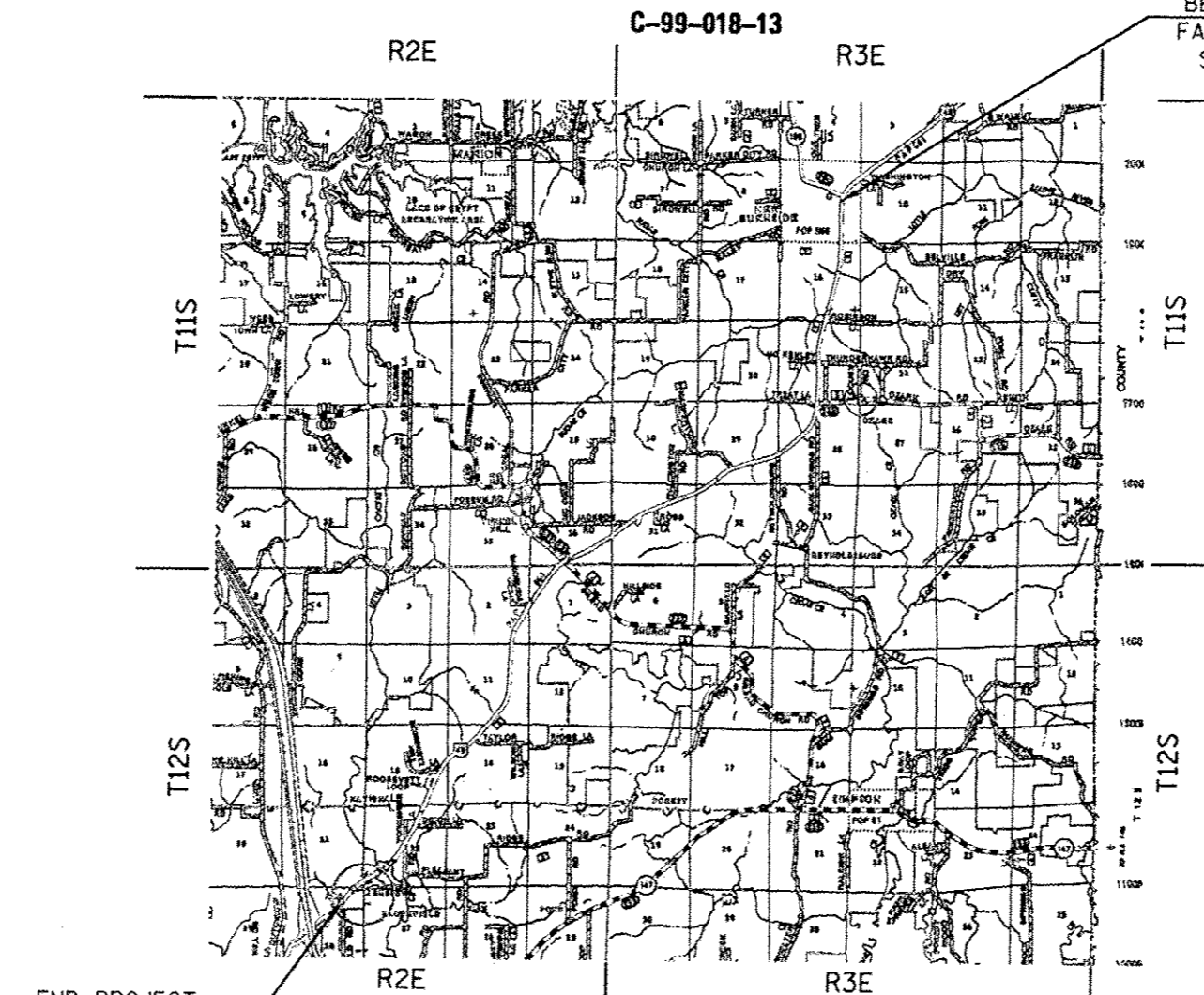


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JOHN A. BRANDON  
PROJECT MANAGER: CHARLES STEIN

CONTRACT NO. 78348



END PROJECT  
FAP 881 (US 45)  
STA. 1589+17

GROSS LENGTH = 61,458 FT. = 11.64 MILE  
OMISSIONS = 197 FT. = 0.04 MILE  
NET LENGTH = 61,261 FT. = 11.60 MILE

BEGIN PROJECT  
FAP 881 (US 45)  
STA. 957+00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED June 13 20 14  
Jeffrey L. Kern  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

July 18 20 14  
John D. Baranzelli, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

July 18 20 14  
Omer 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	SIGNATURE SHEET
3	INDEX OF SHEETS, HIGHWAY STANDARDS, & MIXTURE REQUIREMENTS
4	GENERAL NOTES AND MTD CROSSING RESTRICTIONS TABLE
5-6	SUMMARY OF QUANTITIES
7-8	TYPICAL SECTIONS
9-11	RESURFACING SCHEDULE
12-13	PAVEMENT MARKING SCHEDULE
14	STANDARD DETAIL: TEMPORARY HOT-MIX ASPHALT TRANSITIONS
15	STANDARD DETAIL: UNEVEN LANES SIGN
16	STANDARD DETAIL: ROUGH GROOVED SURFACE SIGN

## HIGHWAY 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' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24' (600 mm) 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
701901-03	TRAFFIC CONTROL DEVICES
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

## MIXTURE REQUIREMENTS SHALL BE PREPARED AS DIRECTED BELOW:

LOCATIONS	HOT-MIX ASPHALT SURFACE COURSE
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N90
AC/PG:	PG64-22
ABR % (MAX):	SEE SPECIAL PROVISION
DESIGN AIR VOIDS:	4.0%, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 MM
FRICITION AGGREGATE:	C SURFACE
QUALITY MANAGEMENT PROGRAM:	OCP

LOCATIONS	HOT-MIX ASPHALT LEVELING BINDER COURSE
MIXTURE USE(S):	HOT-MIX ASPHALT LEVELING BINDER, N90, IL-9.5MM FINE GRADE
AC/PG:	PG64-22
ABR % (MAX):	SEE SPECIAL PROVISION
DESIGN AIR VOIDS:	4.0%, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5MM FINE GRADE
FRICITION AGGREGATE:	NONE
QUALITY MANAGEMENT PROGRAM:	OCP

LOCATIONS	PAVEMENT PATCHING
MIXTURE USE(S):	HOT-MIX ASPHALT BINDER COURSE, N90, IL-19.0MM FINE GRADE
AC/PG:	PG64-22
ABR % (MAX):	SEE SPECIAL PROVISION
DESIGN AIR VOIDS:	4.0%, 90 GYRATION DESIGN
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0MM FINE GRADE
FRICITION AGGREGATE:	NONE
QUALITY MANAGEMENT PROGRAM:	OC/OA

FILE NAME *	USER NAME * #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, HIGHWAY STANDARDS, &amp; MIXTURE REQUIREMENTS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\p1dot\brandonja\033567417	040-sh1a-cvr_seq_index.dgn	DRAWN -	REVISED -			881	*	JOHNSON	16	3	
PLOT SCALE * 100.0000 1/1 in.	CHECKED -	REVISED -				CONTRACT NO. 78348					
MODELNAME#	PLOT DATE * 6/13/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

**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.

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 ROUTE (FAP 881)	EXISTING FILL HEIGHT OVER BOX CULVERT	THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT	MTD CROSSING RESTRICTIONS
	FOOT	FOOT	
SN 044-2007 (STA. 1038+20)	2.7		PENDING
SN 044-7011 (STA. 1081+84)	2.0		PENDING
SN 044-7012 (STA. 1101+49)	7.8		PENDING
SN 044-7095 (STA. 1159+81)	6.5		PENDING
SN 044-2000 (STA. 1551+76)	4.0		PENDING
SN 044-0055 (STA. 1556+53)			PENDING
SN 044-2011 (STA. 1567+81)	12.0		PENDING
SN 044-7036 (STA. 1607+80)	5.7		PENDING

# SUMMARY OF QUANTITIES

COUNTY:	JOHNSON
ROUTE:	FAP 881 (US 45)
FUNDING:	100% STATE
LOCATION:	RURAL
TOTAL QUANTITY	ROADWAY 0005

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	
40600647	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90	TON	7,570	7,570
40600990	TEMPORARY RAMP	SQ YD	86	86
40603320	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N90	TON	15,103	15,103
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	178,951	178,951
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SQ YD	1,000	1,000
44200160	PAVEMENT PATCHING, TYPE III, 13 INCH	SQ YD	35	35
44200162	PAVEMENT PATCHING, TYPE IV, 13 INCH	SQ YD	178	178
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	122,522	122,522
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2,132	2,132
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	10	10
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	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\dat\brandonja\0335679\701336-1\shtr-cvr-a0q.indd.dgn		DRAWN -	REVISED -		881	*	JOHNSON	16	5			
		CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	
#MODELNAME#		DATE -	REVISED -								CONTRACT NO. 78348	

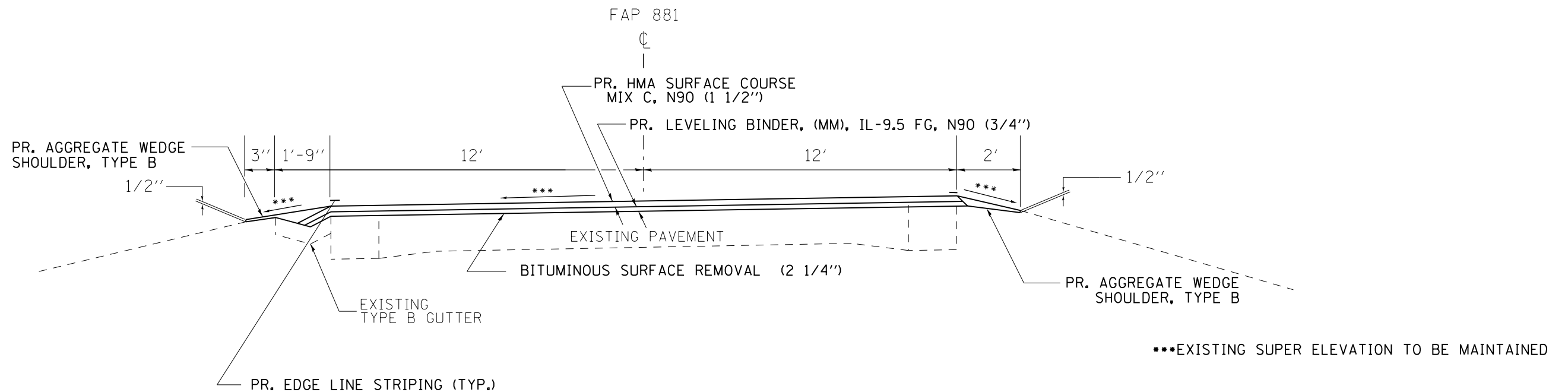
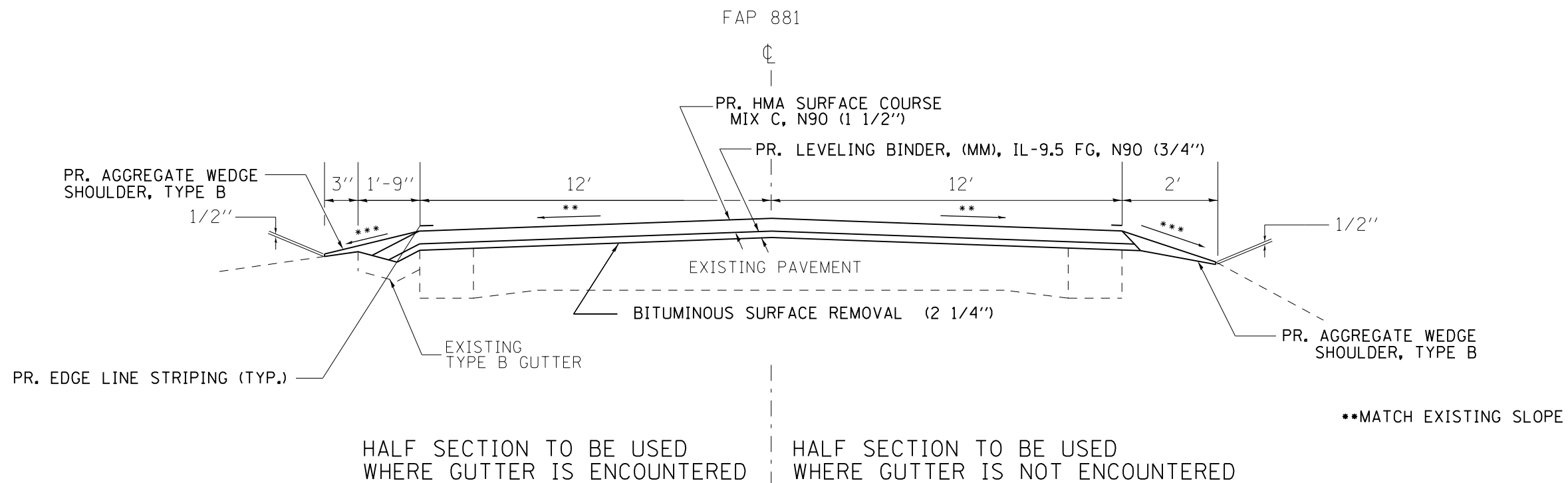
\*34(RS-5),35(RS-3),36(RS-4)

# SUMMARY OF QUANTITIES - CONT

COUNTY:	JOHNSON
ROUTE:	FAP 881 (US 45)
FUNDING:	100% STATE
LOCATION:	RURAL
TOTAL QUANTITY	ROADWAY 0005

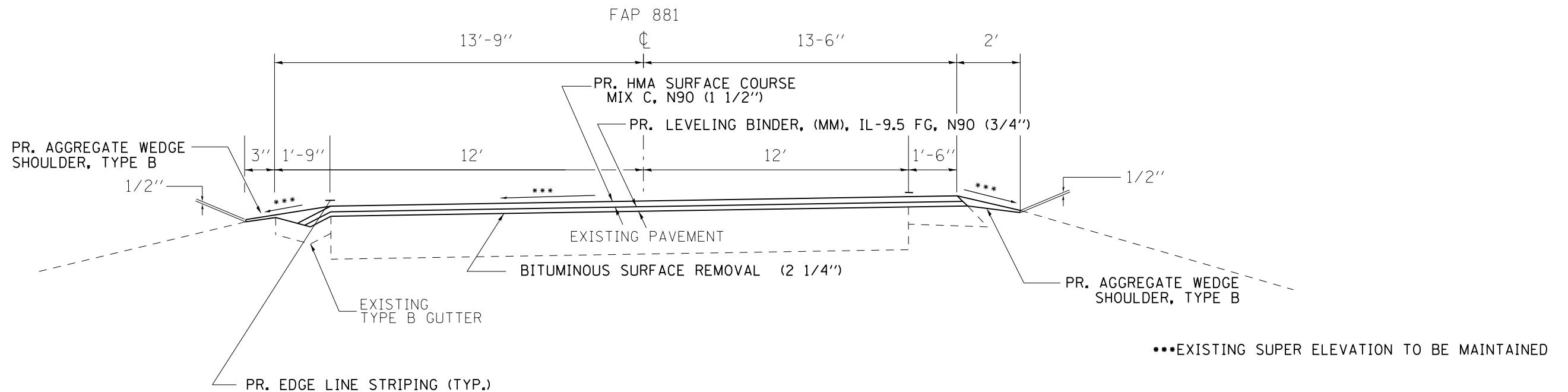
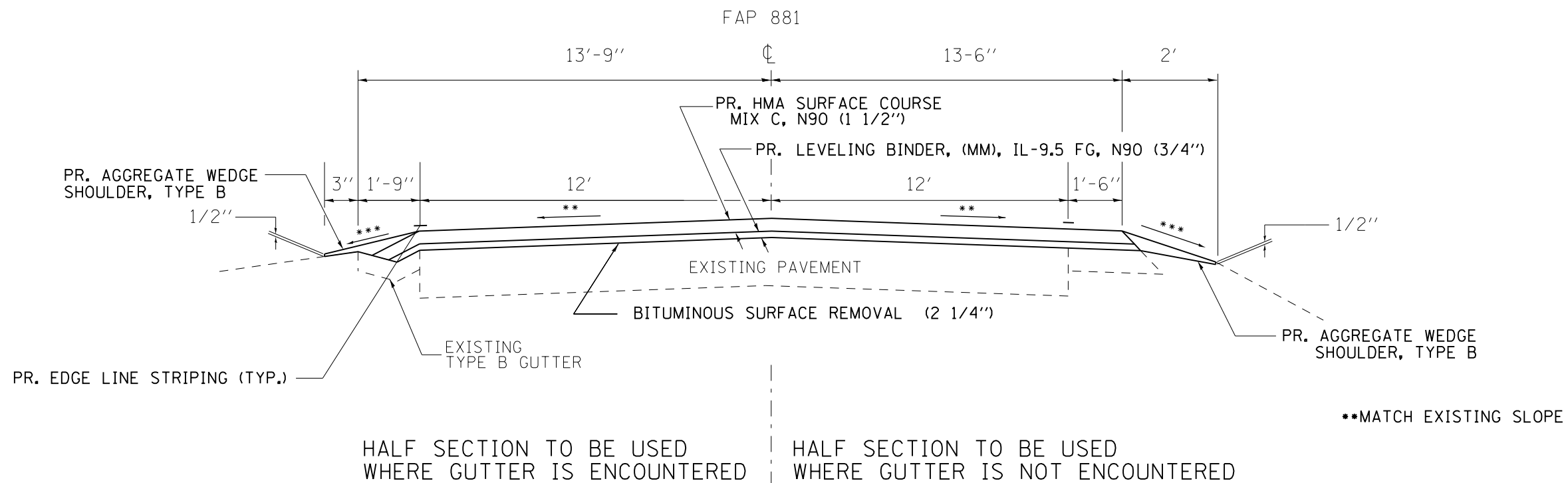
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY
70300100	SHORT TERM PAVEMENT MARKING	FOOT	18,437	18,437
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	205,091	205,091
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	74,509	74,509
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	205,091	205,091
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	801	801
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	801	801
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	120,792	120,792
Z0034105	MATERIAL TRANSFER DEVICE	TON	22,673	22,673

\* SPECIALTY ITEMS



TO BE USED:  
 STA. 957+00 TO STA. 1173+40  
 STA. 1368+20 TO STA. 1555+54.29  
 STA. 1557+50.98 TO STA. 1589+17

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\brandonja\d0335679\78348-shta-cvr-soq-index.dgn		DRAWN -	REVISED -		881	.	JOHNSON	16	7			
\$MODELNAME\$	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 78348				
	PLOT DATE = 6/13/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



TO BE USED:  
STA. 1173+40 TO STA. 1368+20

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\brandonja\0335679\78348-shta-cvr-soq-index.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					881	.	JOHNSON	16	8
\$MODELNAME\$	PLOT DATE = 6/13/2014	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 78348		ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -		*34(RS-5),35(RS-3),36(RS-4)							

# RESURFACING SCHEDULE

LOCATION				LENGTH	WIDTH	AREA	HMA SURFACE REMOVAL 2 1/4"	HMA SURF CSE MIX "C", N90	HMA LEVELING BINDER, N90, IL-9.5MM FG	BIT MAT PRIME COAT	AGG SHLDRS TYPE B	STRIP REFLECTIVE CRACK CONTROL	TEMPORARY RAMP
				FOOT	FOOT	SQ FT	SQ YD	TON	TON	POUND	TON	FOOT	SQ YD
<b>US 45</b>													
957+00.		TO	977+65.	2065.00	27.5	56787.5	6309.7	532.4	266.8	4259.1	71.9	4130.0	22.9
977+65.		TO	981+59.	394.00	24	9456	1050.7	88.7	44.5	709.2	13.7	788.0	
981+59.		TO	982+40.	81.00	25.75	2085.75	231.8	19.6	9.8	156.4	2.8	162.0	
982+40.		TO	989+04.	664.00	27.5	18260	2028.9	171.2	85.8	1369.5	23.1	1328.0	
989+04.		TO	992+20.	316.00	24	7584	842.7	71.2	35.7	568.8	11.0	632.0	
992+20.		TO	1000+05.	785.00	27.5	21587.5	2398.6	202.4	101.4	1619.1	27.3	1570.0	
1000+05.		TO	1006+93.	688.00	25.75	17716	1968.4	166.2	83.3	1328.7	23.9	1376.0	
1006+93.		TO	1026+45.	1952.00	24	46848	5205.3	439.5	220.3	3513.6	67.9	3904.0	
1026+45.		TO	1036+30.	985.00	27.5	27087.5	3009.7	254.0	127.3	2031.6	34.3	1970.0	
1036+30.		TO	1038+81.	251.00	24	6024	669.3	56.5	28.3	451.8	8.7	502.0	
1038+81.		TO	1047+72.	891.00	27.5	24502.5	2722.5	229.7	115.1	1837.7	31.0	1782.0	
1047+72.		TO	1053+23.	551.00	25.75	14188.25	1576.5	133.1	66.7	1064.1	19.2	1102.0	
1053+23.		TO	1056+18.	295.00	24	7080	786.7	66.4	33.3	531.0	10.3	590.0	
1056+18.		TO	1066+30.	1012.00	25.75	26059	2895.4	244.4	122.5	1954.4	35.2	2024.0	
1066+30.		TO	1081+95.	1565.00	24	37560	4173.3	352.4	176.6	2817.0	54.5	3130.0	
1081+95.		TO	1082+45.	50.00	25.75	1287.5	143.1	12.1	6.1	96.6	1.7	100.0	
1082+45.		TO	1093+80.	1135.00	27.5	31212.5	3468.1	292.6	146.7	2340.9	39.5	2270.0	
1093+80.		TO	1094+89.	109.00	25.75	2806.75	311.9	26.3	13.2	210.5	3.8	218.0	
1094+89.		TO	1095+55.	66.00	24	1584	176.0	14.9	7.4	118.8	2.3	132.0	
1095+55.		TO	1098+10.	255.00	25.75	6566.25	729.6	61.6	30.9	492.5	8.9	510.0	
1098+10.		TO	1101+74.	364.00	24	8736	970.7	82.0	41.1	655.2	12.7	728.0	
1101+74.		TO	1101+76.	2.00	25.75	51.5	5.7	0.5	0.2	3.9	0.1	4.0	
1101+76.		TO	1112+33.	1057.00	27.5	29067.5	3229.7	272.5	136.6	2180.1	36.8	2114.0	
1112+33.		TO	1115+58.	325.00	25.75	8368.75	929.9	78.5	39.3	627.7	11.3	650.0	
1115+58.		TO	1120+61.6	503.60	24	12086.4	1342.9	113.4	56.8	906.5	17.5	1007.2	
1120+61.6	BK=	TO	1120+70.	AH									
1120+70.		TO	1125+49.	479.00	24	11496	1277.3	107.9	54.1	862.2	16.7	958.0	
1125+49.		TO	1131+48.	599.00	27.5	16472.5	1830.3	154.4	77.4	1235.4	20.8	1198.0	
1131+48.		TO	1141+49.	1001.00	24	24024	2669.3	225.4	113.0	1801.8	34.8	2002.0	
1141+49.		TO	1143+94.	245.00	25.75	6308.75	701.0	59.2	29.7	473.2	8.5	490.0	
1143+94.		TO	1150+10.7	616.70	27.5	16959.25	1884.4	159.0	79.7	1271.9	21.5	1233.4	
1150+10.7	BK=	TO	1150+15.	AH	0	0.0				0.0			
1150+15.		TO	1173+80.	2365.00	27.5	65037.5	7226.4	609.8	305.6	4877.8	82.3	4730.0	
1173+80.		TO	1184+79.	1099.00	27.25	29947.75	3327.5	280.8	140.7	2246.1	38.2	2198.0	
1184+79.	BK=	TO	1184+81.9	AH									
1184+81.9		TO	1209+50.	2468.10	27	66638.7	7404.3	624.8	313.1	4997.9	85.9	4936.2	
1209+50.		TO	1214+50.	500.00	27.25	13625	1513.9	127.8	64.0	1021.9	17.4	1000.0	
1214+50.		TO	1215+50.	100.00	27.5	2750	305.6	25.8	12.9	206.3	3.5	200.0	
1215+50.		TO	1218+00.	250.00	27.25	6812.5	756.9	63.9	32.0	510.9	8.7	500.0	
1218+00.		TO	1236+00.	1800.00	27	48600	5400.0	455.7	228.4	3645.0	62.6	3600.0	
1236+00.		TO	1240+50.	450.00	27.25	12262.5	1362.5	115.0	57.6	919.7	15.7	900.0	
1240+50.		TO	1241+50.	100.00	27	2700	300.0	25.3	12.7	202.5	3.5	200.0	
1241+50.		TO	1248+75.	725.00	27.25	19756.25	2195.1	185.2	92.8	1481.7	25.2	1450.0	



-CONT. RESURFACING SCHEDULE

LOCATION				LENGTH	WIDTH	AREA	HMA SURFACE REMOVAL	HMA SURF CSE MIX "C", N90	HMA LEVELING BINDER, N90, IL-9.5MM FG	BIT MAT PRIME COAT	AGG SHLDRS TYPE B	STRIP REFLECTIVE CRACK CONTROL	TEMPORARY RAMP
							2 1/4"						
				FOOT	FOOT	SQ FT	SQ YD	TON	TON	POUND	TON	FOOT	SQ YD
1248+75.		TO	1249+72.6	97.60	27	2635.2	292.8	24.7	12.4	197.6	3.4	195.2	
1249+72.6	BK =	TO	1249+70.9										
1249+70.9		TO	1252+50.	279.10	27	7535.7	837.3	70.7	35.4	565.2	9.7	558.2	
1252+50.		TO	1256+50.	400.00	27.5	11000	1222.2	103.1	51.7	825.0	13.9	800.0	
1256+50.		TO	1257+35.	85.00	27.25	2316.25	257.4	21.7	10.9	173.7	3.0	170.0	
1257+35.		TO	1269+50.	1215.00	27	32805	3645.0	307.6	154.2	2460.4	42.3	2430.0	
1269+50.		TO	1276+70.	720.00	27.25	19620	2180.0	184.0	92.2	1471.5	25.1	1440.0	
1276+70.		TO	1280+75.	405.00	27	10935	1215.0	102.5	51.4	820.1	14.1	810.0	
1280+75.		TO	1287+00.	625.00	27.25	17031.25	1892.4	159.7	80.0	1277.3	21.7	1250.0	
1287+00.		TO	1309+95.	2295.00	27	61965	6885.0	581.0	291.2	4647.4	79.9	4590.0	
1309+95.		TO	1311+50.	155.00	27.25	4223.75	469.3	39.6	19.8	316.8	5.4	310.0	
1311+50.		TO	1315+50.	400.00	27.5	11000	1222.2	103.1	51.7	825.0	13.9	800.0	
1315+50.		TO	1331+00.	1550.00	27	41850	4650.0	392.4	196.7	3138.8	53.9	3100.0	
1331+00.		TO	1339+25.	825.00	27.25	22481.25	2497.9	210.8	105.6	1686.1	28.7	1650.0	
1339+25.		TO	1356+74.	1749.00	27.5	48097.5	5344.2	451.0	226.0	3607.3	60.9	3498.0	
1356+74.		TO	1367+25.	1051.00	27.25	28639.75	3182.2	268.5	134.6	2148.0	36.6	2102.0	
1367+25.		TO	1368+53.7	128.70	27	3474.9	386.1	32.6	16.3	260.6	4.5	257.4	
1368+53.7	BK =	TO	1377+35.9										
1377+35.9		TO	1377+76.	40.10	24	962.4	106.9	9.0	4.5	72.2	1.4	80.2	
1377+76.		TO	1381+00.	324.00	25.75	8343	927.0	78.2	39.2	625.7	11.3	648.0	
1381+00.		TO	1385+67.4	467.40	24	11217.6	1246.4	105.2	52.8	841.3	16.3	934.8	
1385+67.4	BK =	TO	1385+67.6										
1385+67.6		TO	1389+00.	332.40	24	7977.6	886.4	74.8	37.5	598.3	11.6	664.8	
1389+00.		TO	1397+00.	800.00	27.5	22000	2444.4	206.3	103.4	1650.0	27.8	1600.0	
1397+00.		TO	1406+36.	936.00	24	22464	2496.0	210.8	105.7	1684.8	32.6	1872.0	
1406+36.		TO	1421+24.	1488.00	25.75	38316	4257.3	359.4	180.1	2873.7	51.8	2976.0	
1421+24.		TO	1423+42.06	218.06	24	5233.44	581.5	49.1	24.6	392.5	7.6	436.1	
1423+42.06	BK =	TO	1423+38.88								0.0	0.0	
1423+38.88		TO	1434+30.	1091.12	24	26186.88	2909.7	245.7	123.2	1964.0	38.0	2182.2	
1434+30.		TO	1434+54.	24.00	25.75	618	68.7	5.8	2.9	46.4	0.8	48.0	
1434+54.		TO	1451+40.	1686.00	24	40464	4496.0	379.6	190.3	3034.8	58.7	3372.0	
1451+40.		TO	1459+24.	784.00	25.75	20188	2243.1	189.3	94.9	1514.1	27.3	1568.0	
1459+24.		TO	1463+12.	388.00	24	9312	1034.7	87.4	43.8	698.4	13.5	776.0	
1463+12.		TO	1467+50.	438.00	25.75	11278.5	1253.2	105.8	53.0	845.9	15.2	876.0	
1467+50.		TO	1476+96.2	946.20	27.5	26020.5	2891.2	244.0	122.3	1951.5	32.9	1892.4	
1476+96.2	BK =	TO	1476+90.										
1476+90.		TO	1509+67.45	3277.45	27.5	90129.875	10014.4	845.0	423.5	6759.7	114.1	6554.9	
1509+67.45	BK =	TO	1509+73.12										
1509+73.12		TO	1519+45.	971.88	27.5	26726.7	2969.6	250.6	125.6	2004.5	33.8	1943.8	
1519+45.		TO	1535+00.	1555.00	25.75	40041.25	4449.0	375.5	188.2	3003.1	54.1	3110.0	
1535+00.		TO	1537+94.9	294.90	24	7077.6	786.4	66.4	33.3	530.8	10.3	589.8	
1537+94.9	BK =	TO	1537+93.4										

-CONT. RESURFACING SCHEDULE

LOCATION				LENGTH	WIDTH	AREA	HMA SURFACE REMOVAL 2 1/4"	HMA SURF CSE MIX "C", N90	HMA LEVELING BINDER, N90, IL-9.5MM FG	BIT MAT PRIME COAT	AGG SHLDRS TYPE B	STRIP REFLECTIVE CRACK CONTROL	TEMPORARY RAMP
				FOOT	FOOT	SQ FT	SQ YD	TON	TON	POUND	TON	FOOT	SQ YD
1537+93.4		TO	1545+00.	706.60	24	16958.4	1884.3	159.1	79.8	1271.9	24.6	1413.2	
1545+00.		TO	1548+90.	390.00	25.75	10042.5	1115.8	94.2	47.2	753.2	13.6	780.0	
1548+90.		TO	1555+54.29	664.29	24	15942.96	1771.4	149.6	75.0	1195.7	23.1	1328.6	20.0
1555+54.29		TO	1557+50.98	OMISSION - SN 044-0055									
1557+50.98		TO	1558+15.	64.02	24	1536.48	170.7	14.4	7.2	115.2	2.2	128.0	20.0
1558+15.		TO	1561+40.	325.00	25.75	8368.75	929.9	78.5	39.3	627.7	11.3	650.0	
1561+40.		TO	1565+98.14	458.14	27.5	12598.85	1399.9	118.1	59.2	944.9	15.9	916.3	
1565+98.14		TO	1566+01.56	3.42	25.75	88.065	9.8	0.8	0.4	6.6	0.1	6.8	
1566+01.56		TO	1569+94.	392.44	24	9418.56	1046.5	88.4	44.3	706.4	13.7	784.9	
1569+94.		TO	1578+24.3	830.30	25.75	21380.225	2375.6	200.5	100.5	1603.5	28.9	1660.6	
1578+24.3	BK =	TO	1586+92.7	57.30	25.75	1475.475	163.9	13.8	6.9	110.7	2.0	114.6	
1586+92.7		TO	1587+50.	167.00	27.5	4592.5	510.3	43.1	21.6	344.4	5.8	334.0	22.9
1587+50.		TO	1589+17.										
<b>TOTAL</b>				61261			178951	15103	7570	120792	2132	122522	86

\*34(RS-5),35(RS-3),36(RS-4)

# PAVEMENT MARKING SCHEDULE

LOCATION				THERMOPLASTIC PAVEMENT MARKING				TEMPORARY PAVEMENT MARKING		SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
				LINE - 4" YELLOW		LINE - 4" WHITE		YELLOW LINE 4"	WHITE LINE 4"				
				LEFT SOLID	RIGHT SOLID	SKIP DASH	SOLID						
US 45				FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	EACH	EACH
957+00.		TO	980+15.		2,315	2,315		4,630	4,630	695	3318.2	29	29
980+15.		TO	995+50.		1,535		384	3,070	1,919	461	1816.4	20	20
995+50.		TO	997+05.				39	310	39	47	131.8	2	2
997+05.		TO	1002+00.			495	124	990	619	149	585.8	7	7
1002+00.		TO	1005+50.				88	700	88	105	297.5	5	5
1005+50.		TO	1011+93.		643		161	1,286	804	193	760.9	9	9
1011+93.		TO	1036+92.				625	4,998	625	750	2124.2	32	32
1036+92.		TO	1045+81.			889	222	1,778	1,111	267	1052.0	12	12
1045+81.		TO	1047+00.				30	238	30	36	101.2	2	2
1047+00.		TO	1055+63.		863		216	1,726	1,079	259	1021.2	11	11
1055+63.		TO	1082+89.				682	5,452	682	818	2317.1	35	35
1082+89.		TO	1094+18.			1,129	282	2,258	1,411	339	1336.0	15	15
1094+18.		TO	1120+61.6	BK=	2,644	2,644		5,287	5,287	793	3789.2	34	34
1120+70.	AH	TO	1145+59.		2,489	2,489		4,978	4,978	747	3567.6	32	32
1145+59.		TO	1150+10.7	BK=	452		113	903	565	136	534.5	6	6
1150+15.	AH	TO	1156+55.		640		160	1,280	800	192	757.3	8	8
1156+55.		TO	1161+86.				133	1,062	133	159	451.4	7	7
1161+86.		TO	1171+97.			1,011	253	2,022	1,264	303	1196.4	13	13
1171+97.		TO	1179+30.		733	733		1,466	1,466	220	1050.6	10	10
1179+30.		TO	1184+79.	BK=	549		137	1,098	686	165	649.7	7	7
1184+81.9	AH	TO	1186+55.		173		43	346	216	52	204.8	3	3
1186+55.		TO	1190+60.		405	405		810	810	122	580.5	6	6
1190+60.		TO	1197+81.			721	180	1,442	901	216	853.2	10	10
1197+81.		TO	1217+22.		1,941	1,941		3,882	3,882	582	2782.1	25	25
1217+22.		TO	1228+32.		1,110		278	2,220	1,388	333	1313.5	14	14
1228+32.		TO	1230+37.				51	410	51	62	174.3	3	3
1230+37.		TO	1238+40.			803	201	1,606	1,004	241	950.2	11	11
1238+40.		TO	1249+72.6	BK=	1,133	1,133		2,265	2,265	340	1623.4	15	15
1249+70.9	AH	TO	1254+65.		494	494		988	988	148	708.2	7	7
1254+65.		TO	1265+26.		1,061		265	2,122	1,326	318	1255.5	14	14
1265+26.		TO	1279+18.				348	2,784	348	418	1183.2	18	18
1279+18.		TO	1290+00.			1,082	271	2,164	1,353	325	1280.4	14	14
1290+00.		TO	1312+00.		2,200	2,200		4,400	4,400	660	3153.3	28	28
1312+00.		TO	1323+11.		1,111		278	2,222	1,389	333	1314.7	14	14
1323+11.		TO	1326+96.				96	770	96	116	327.3	5	5
1326+96.		TO	1338+20.			1,124	281	2,248	1,405	337	1330.1	15	15
1338+20.		TO	1340+15.		195	195		390	390	59	279.5	3	3
1340+15.		TO	1341+70.		155		39	310	194	47	183.4	2	2

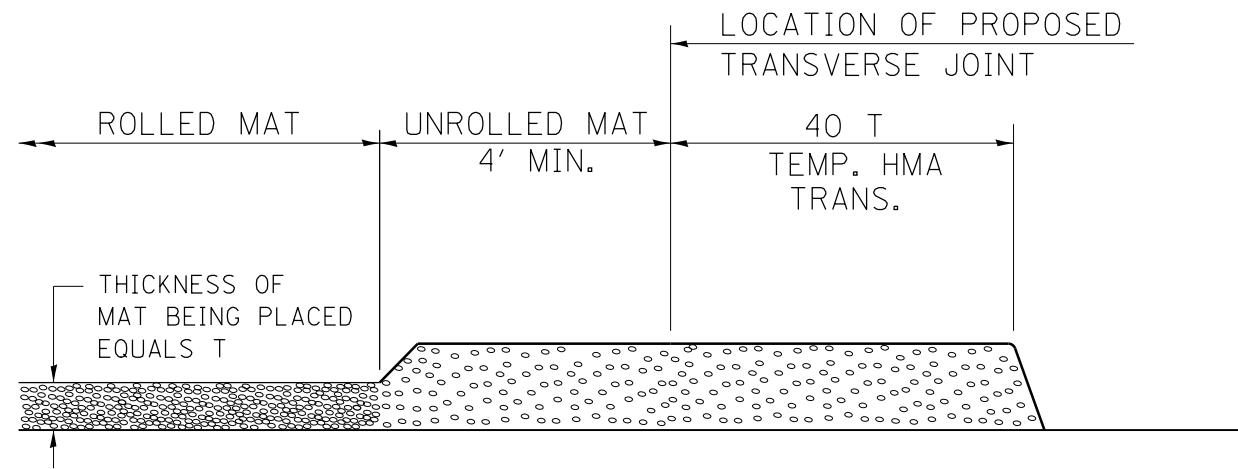
# PAVEMENT MARKING SCHEDULE

LOCATION					THERMOPLASTIC PAVEMENT MARKING				TEMPORARY PAVEMENT MARKING		SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
					LINE - 4" YELLOW		LINE - 4" WHITE		YELLOW LINE 4"	WHITE LINE 4"				
US 45					LEFT SOLID	RIGHT SOLID	SKIP DASH	SOLID	FOOT	FOOT	FOOT	SQ FT	EACH	EACH
1341+70.		TO	1344+52.				71	564	71	564	85	239.7	4	4
1344+52.		TO	1353+59.			907	227	1,814	1,134	1,814	272	1073.3	12	12
1353+59.		TO	1368+53.7	BK =	1,495	1,495		2,989	2,989	2,989	448	2142.4	19	19
1377+35.9	AH	TO	1385+67.4	BK =	832	832		1,663	1,663	1,663	249	1191.8	11	11
1385+67.6	AH	TO	1391+24.		556	556		1,113	1,113	1,113	167	797.5	7	7
1391+24.		TO	1399+15.		791		198	1,582	989	1,582	237	936.0	10	10
1399+15.		TO	1403+08.			393	98	786	491	786	118	465.1	5	5
1403+08.		TO	1412+64.			956	239	1,912	1,195	1,912	287	1131.3	12	12
1412+64.		TO	1418+49.		585	585		1,170	1,170	1,170	176	838.5	8	8
1418+49.		TO	1423+42.06	BK =	493		123	986	616	986	148	583.5	7	7
1423+38.88	AH	TO	1429+25.		586		147	1,172	733	1,172	176	693.6	8	8
1429+25.		TO	1433+50.				106	850	106	850	128	361.3	6	6
1433+50.		TO	1443+75.			1,025	256	2,050	1,281	2,050	308	1212.9	13	13
1443+75.		TO	1473+00.		2,925	2,925		5,850	5,850	5,850	878	4192.5	37	37
1473+00.		TO	1476+96.2	BK =	396	396		792	792	792	119	567.9	5	5
1476+90.	AH	TO	1484+54.		764	764		1,528	1,528	1,528	229	1095.1	10	10
1484+54.		TO	1495+50.		1,096		274	2,192	1,370	2,192	329	1296.9	14	14
1495+50.		TO	1509+67.45	BK =			354	2,835	354	2,835	425	1204.8	18	18
1509+73.12	AH	TO	1537+94.9	BK =			705	5,644	705	5,644	847	2398.5	36	36
1537+93.4	AH	TO	1539+43.				37	299	37	299	45	127.2	2	2
1539+43.		TO	1550+67.			1,124	281	2,248	1,405	2,248	337	1330.1	15	15
1550+67.		TO	1556+39.		572	572		1,144	1,144	1,144	172	819.9	8	8
1556+39.		TO	1578+24.3	BK =	2,185	2,185		4,371	4,371	4,371	656	3132.3	28	28
1586+92.7	AH		1589+17.		224	224		449	449	449	67	321.5	3	3
<b>TOTAL</b>					36,341	36,742	9,094	122,915	82,176	122,915	18,437	74,509	801	801
					205,091				205,091					

-WORK ZONE PAVEMENT MARKING REMOVAL = REMOVAL OF TEMPORARY PAVEMENT MARKING AND SHORT TERM PAVEMENT MARKING

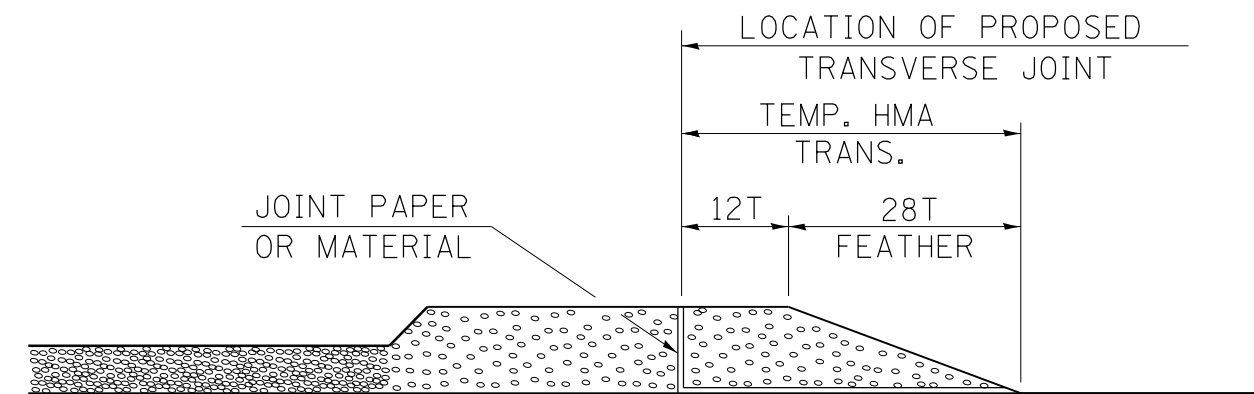
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw\work\p\dot\brandonja\d0335679\78348-sha-cvr-soq-index.dgn		DRAWN -	REVISED -			881	*			16	13
\$MODELNAME\$		CHECKED -	REVISED -			CONTRACT NO. 78348					
	PLOT DATE = 6/13/2014	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

# TEMPORARY HOT-MIX ASPHALT TRANSITIONS



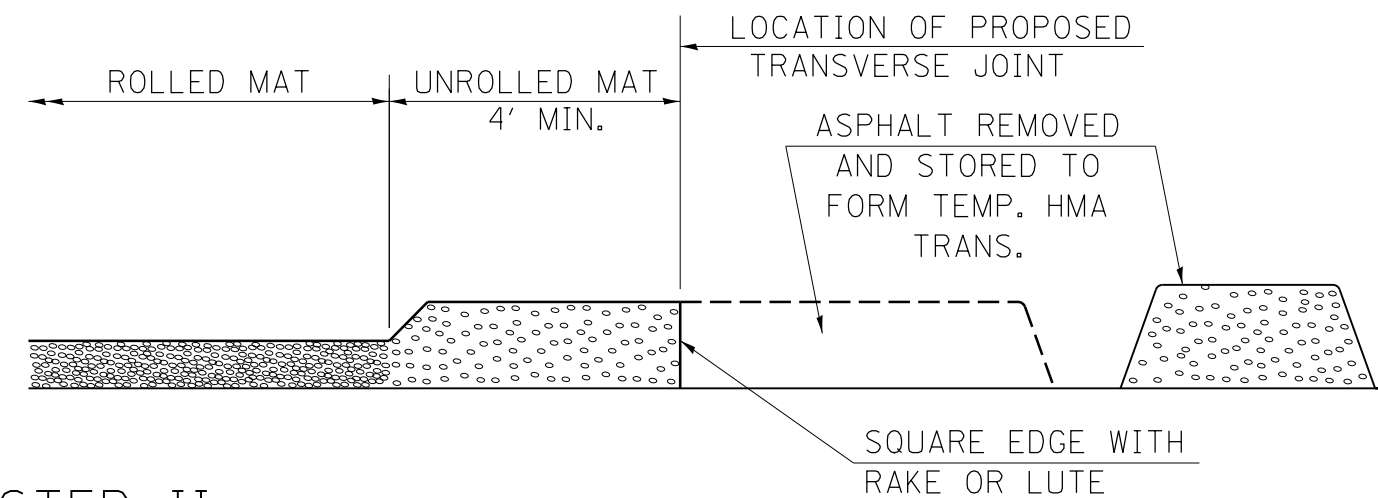
## STEP I

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.



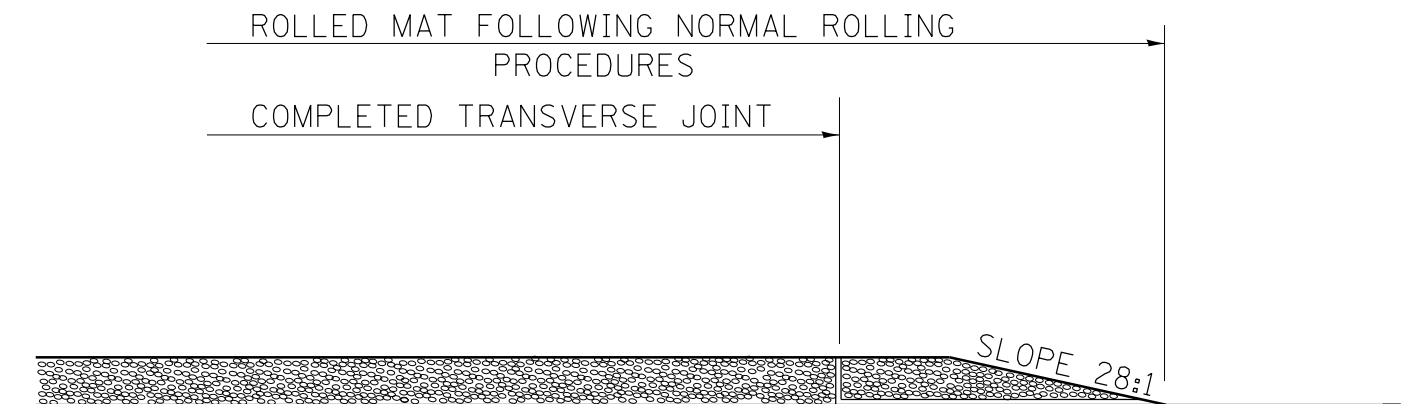
## STEP III

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 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 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
REVISED	05-16-13

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
ci:\pw\work\p\idot\brandonja\d0335679\78348-shta-cvr_soq_index.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/13/2014	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY HOT-MIX ASPHALT TRANSITIONS

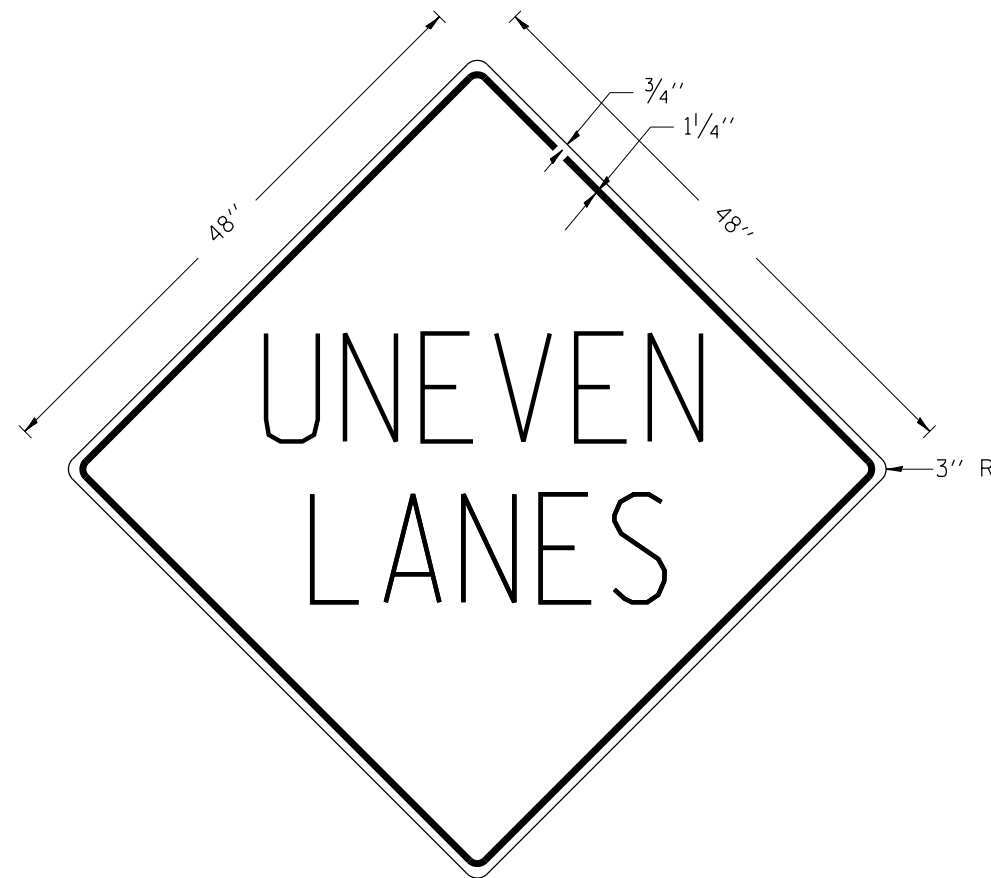
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.B. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	•	JOHNSON	16	14
			CONTRACT NO. 78348	
ILLINOIS FED. AID PROJECT				

•34(RS-5),35(RS-3),36(RS-4)

# 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.

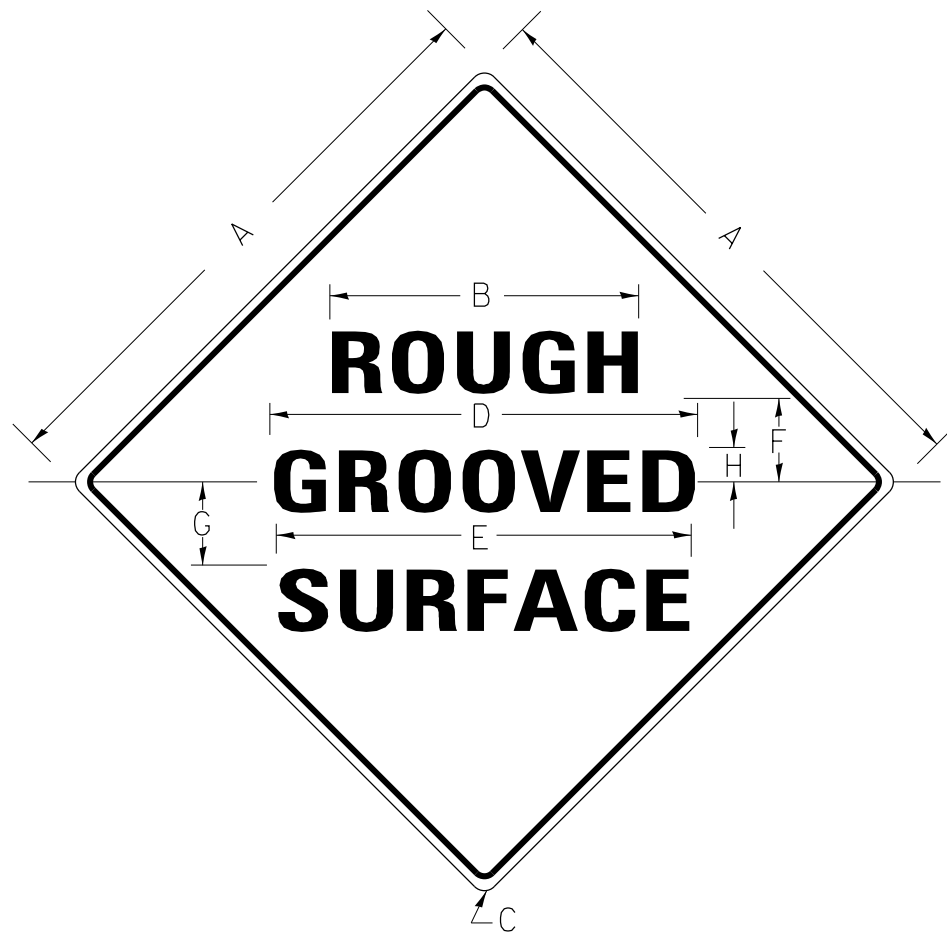
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

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>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\brandonja\d0335679\78348-shta-cvr-soq-index.dgn		DRAWN -	REVISED -					881	.	JOHNSON	16	15
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 78348				
	PLOT DATE = 6/13/2014	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	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

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROUGH GROOVED SURFACE SIGN</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\brandonja\0335679\78348-sha-cvr-soq-index.dgn		DRAWN -	REVISED -		881	•	JOHNSON	16	16				
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		SCALE:				SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT
PLOT DATE = 6/13/2014		DATE -	REVISED -						CONTRACT NO. <b>78348</b>				