

08-01-14 LETTING ITEM 115

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

ROUTE FAS 960 (US 45)
SECTION 38RS-5

RESURFACING 3P
JOHNSON COUNTY
C-99-058-11

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	38RS-5	JOHNSON	26	1
		ILLINOIS	CONTRACT NO. 78270	

D-99-047-11



LOCATION OF SECTION INDICATED THUS: - [black rectangle]

FOR INDEX OF SHEETS, SEE SHEET NO. 3

US 45 (FAS 960)
TRAFFIC DATA

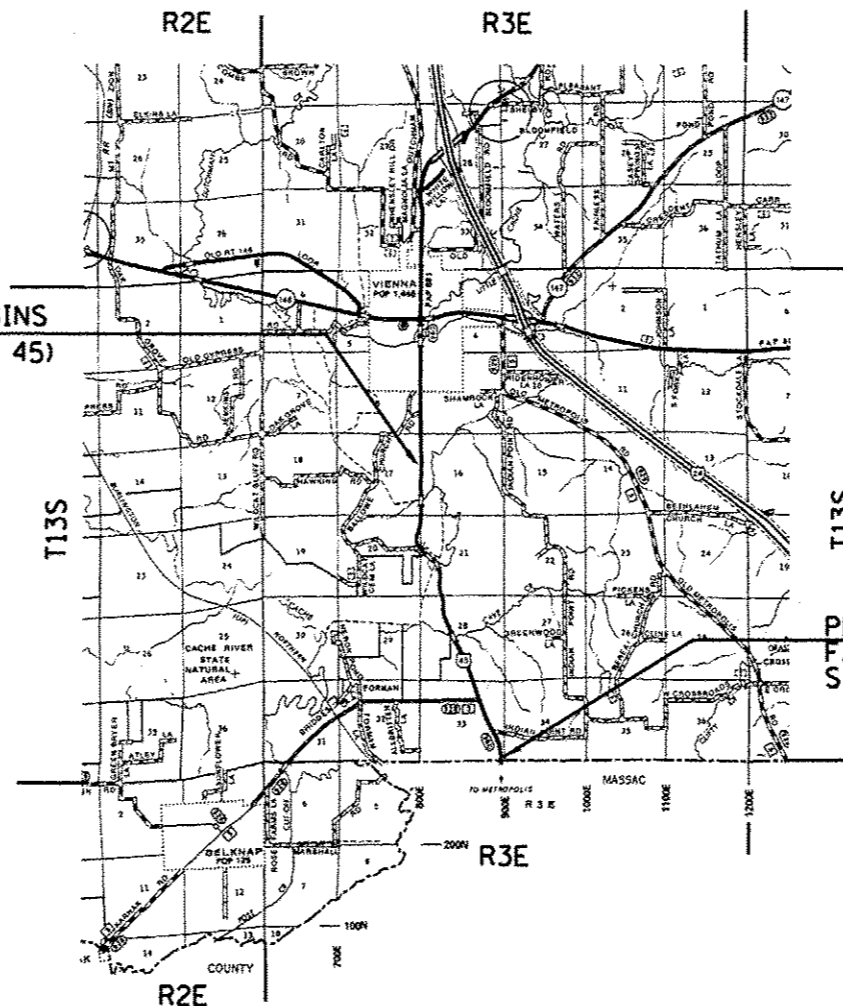
	(2014)	(2034)
PV =	2,040	2,750
MU =	70	95
SU =	70	95
ADT =	2,180	2,940

EQUATION STATION:
EQ. STA. 192+13.0 (BK) = STA. 191+07.6 (AH)
EQ. STA. 198+02.0 (BK) = STA. 197+99.8 (AH)

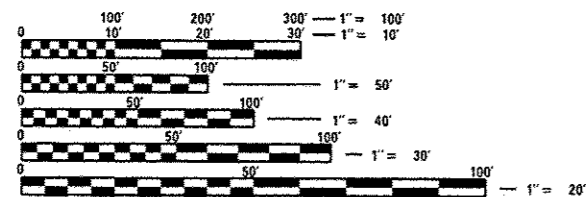
OMISSION STATIONS:
STA. 114+74 TO 117+46 (OMISSION)
STA. 163+11.41 TO 165+57.40 (OMISSION)
STA. 213+36 TO 213+94 (OMISSION)

TOWNSHIP
VIENNA
T.13S-R.3E

PROJECT BEGINS
FAS 960 (US 45)
STA. 91+86



PROJECT ENDS
FAS 960 (US 45)
STA. 302+33



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: CHARLES STEIN 618-351-5210
PROJECT MANAGER: JOHN BRANDON 618-351-5291

CONTRACT NO. 78270

GROSS LENGTH = 21,155 FT. = 4.00 MILE
OMISSIONS = 576 FT = 0.11 MILE
NET LENGTH = 20,520 FT. = 3.89 MILE (See gen. notes for station discrepancy)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED June 4 20 14

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 27 20 14
[Signature]
acting ENGINEER OF DESIGN AND ENVIRONMENT

June 27 20 14
[Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

Prepared By: Joe Zblaniewicz
DISTRICT STUDIES & PLANS ENGINEER

Examined By: James Eric Egan
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carrie Nelson
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Keel W. [Signature]
DISTRICT OPERATIONS ENGINEER

Examined By: [Signature]
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Doug Helfrich
DISTRICT CONSTRUCTION ENGINEER

Examined By: [Signature]
DISTRICT MATERIALS ENGINEER

FILE NAME *	USER NAME * sluser*	DESIGNED -	REVISED -
af\p...work\pando\brandan.ja\0827025\d	78270-sh-tp-lan.dgn	DRAWN -	REVISED -
	PLOT SCALE * 1/8"=1'-0" / 1/4"	CHECKED -	REVISED -
	PLOT DATE = 2/26/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						980	38RS-5	JOHNSON	26	2
									CONTRACT NO. 78270	
ILLINOIS FED. AID PROJECT										

MIXTURE REQUIREMENTS SHALL
BE PREPARED AS DIRECTED BELOW:

LOCATIONS	HOT-MIX ASPHALT SURFACE COURSE, INCIDENTAL HMA SURFACING, AND HMA SHOULDERS
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
FRICTION AGGREGATE:	C SURFACE
QUALITY MANAGEMENT PROGRAM:	QCP (HMA SURFACE COURSE ONLY)

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
FRICTION AGGREGATE:	NONE
QUALITY MANAGEMENT PROGRAM:	QCP

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
FRICTION AGGREGATE:	NONE
QUALITY MANAGEMENT PROGRAM:	QC/OA

MTD CROSSING RESTRICTIONS TABLE

SN & CENTERLINE STATION ROUTE (960)	EXISTING FILL HEIGHT OVER BOX CULVERT	THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT	MTD CROSSING RESTRICTIONS
	FOOT	FOOT	
SN 044-2001 (STA. 155+40)	6.0	1.3	PENDING
SN 044-2012 (STA. 149+68)	10.0	1.3	LOADED
SN 044-7041 (STA. 135+33)	2.8	1.3	LOADED
SN 044-7043 (STA. 267+19)	2.0	1.3	LOADED
SN 044-7044 (STA. 295+92)	1.8	1.3	LOADED
SN 044-0010 (STA. 213+15)			LOADED
SN 044-0057 (STA. 116+10)			LOADED
SN 044-0058 (STA. 164+32)			LOADED

SUMMARY OF QUANTITIES

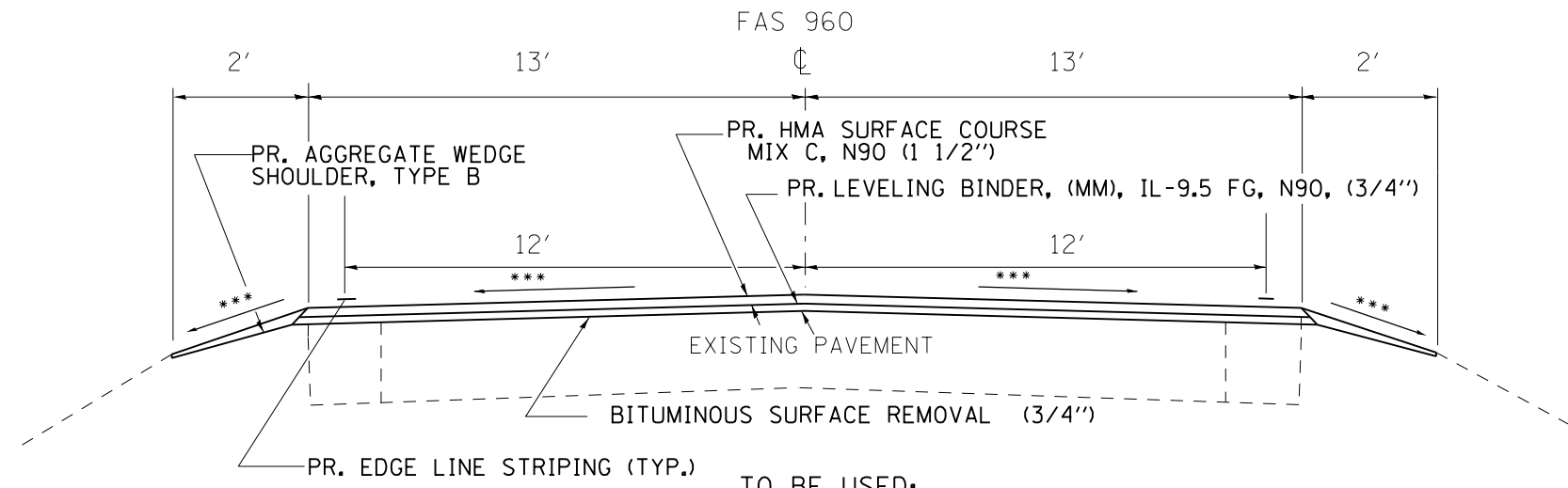
CODE NUMBER	PAY ITEM	CONSTRUCTION TYPE CODE		0005
		UNIT	TOTAL QUANTITY	ROADWAY 100% STATE
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	6	6
Z0034105	MATERIAL TRANSFER DEVICE	TON	7483	7483
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	42656	42656
40600647	LEVELING BINDER (MACHINE METHOD) IL-9.5FC, N90	TON	2501	2501
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	225	225
40600990	TEMPORARY RAMP	SQ YD	166	166
40603320	HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N90	TON	4982	4982
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	79	79
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	53474	53474
44000158	HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"	SQ YD	6150	6150
44200176	PAVEMENT PATCHING, TYPE I, 15 INCH	SQ YD	2.7	2.7
44200180	PAVEMENT PATCHING, TYPE II, 15 INCH	SQ YD	533.0	533.0
44200184	PAVEMENT PATCHING, TYPE III, 15 INCH	SQ YD	16.0	16.0
48102100	AGGREGATE WEDGE SHOULDERS, TYPE B	TON	1046	1046

FILE NAME *	USER NAME * #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr:\p\work\p101dot\brandonja\0270026\0970270-1ht-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	960	38RS-5	JOHNSON	26	5
PLOT SCALE = 1/8" = 1' / in.		CHECKED -	REVISED -		CONTRACT NO. 78270								
PLOT DATE = 6/5/2014		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

SUMMARY OF QUANTITIES-CONT.

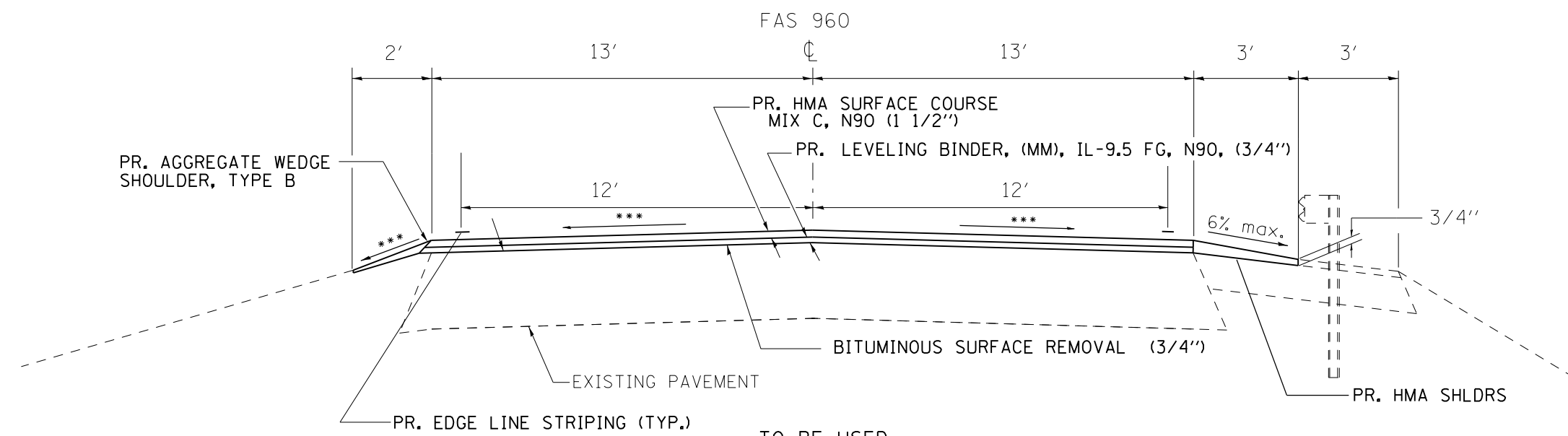
CODE NUMBER	PAY ITEM	CONSTRUCTION TYPE CODE		0005
		UNIT	TOTAL QUANTITY	ROADWAY 100% STATE
48203100	HOT-MIX ASPHALT SHOULDERS	TON	108	108
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3	3
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1
70300100	SHORT- TERM PAVEMENT MARKING	FOOT	6156	6156
70300220	TEMPORARY PAVEMENT MARKING, LINE 4"	FOOT	72475	72475
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	26210.3	26210.3
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	72475	72475
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	312	312
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	312	312

" * SPECIALTY ITEMS



- TO BE USED:
- STA. 91+86 TO STA. 111+96
 - STA. 120+24 TO STA. 139+50
 - STA. 145+40 TO STA. 149+30
 - STA. 150+25 TO STA. 159+40
 - STA. 170+00 TO STA. 192+40
 - STA. 197+50 TO STA. 211+97
 - STA. 215+27 TO STA. 268+00
 - STA. 290+00 TO STA. 302+33

***MATCH EXISTING SLOPE



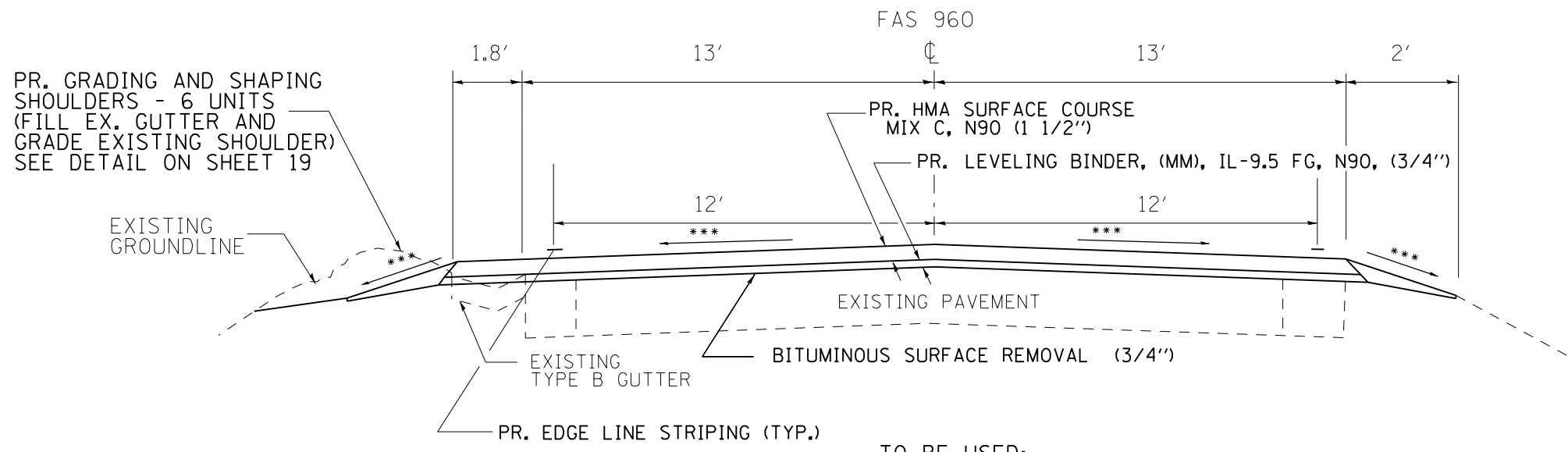
- TO BE USED:
- STA. 111+96 TO STA. 114+74
 - STA. 117+46 TO STA. 120+24
- (SN 044-0057)

***MATCH EXISTING SLOPE

SECTION OUTSIDE GUARDRAIL LIMITS

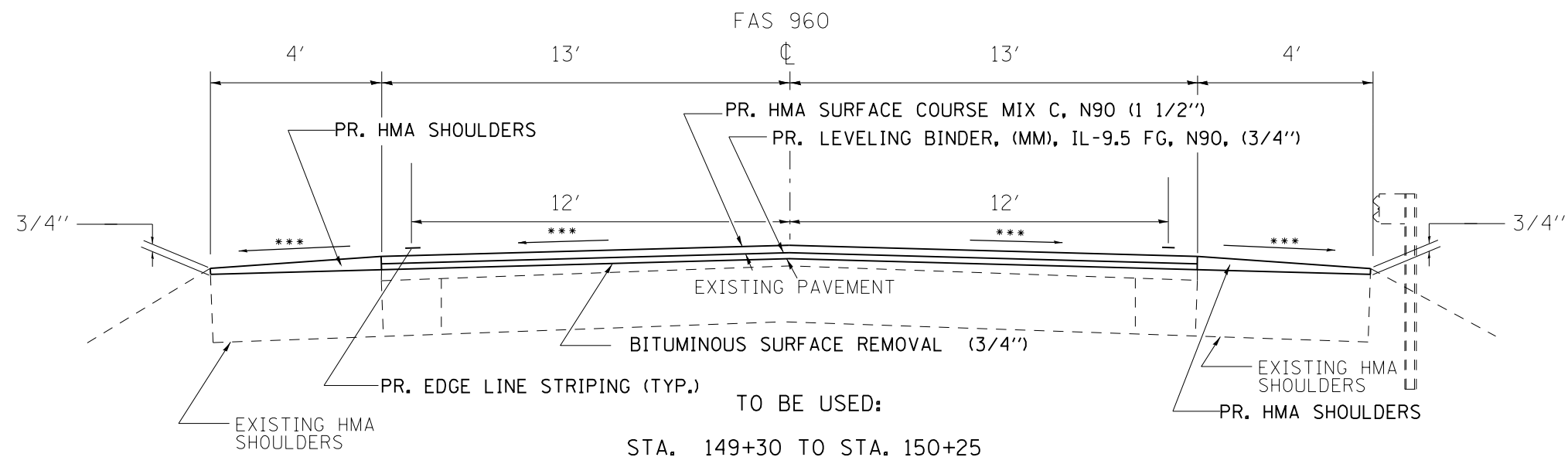
SECTION WITHIN GUARDRAIL LIMITS

FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\brandonja\d0270826\d978270-sht-plen.dgn		DRAWN -	REVISED -		960	38RS-5	JOHNSON	26	7			
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 78270				
	PLOT DATE = 6/5/2014	DATE -	REVISED -		SCALE:	SHEET NO. 1 OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



TO BE USED:
STA. 139+50 TO STA. 145+40

***MATCH EXISTING SLOPE



TO BE USED:
STA. 149+30 TO STA. 150+25

***MATCH EXISTING SLOPE

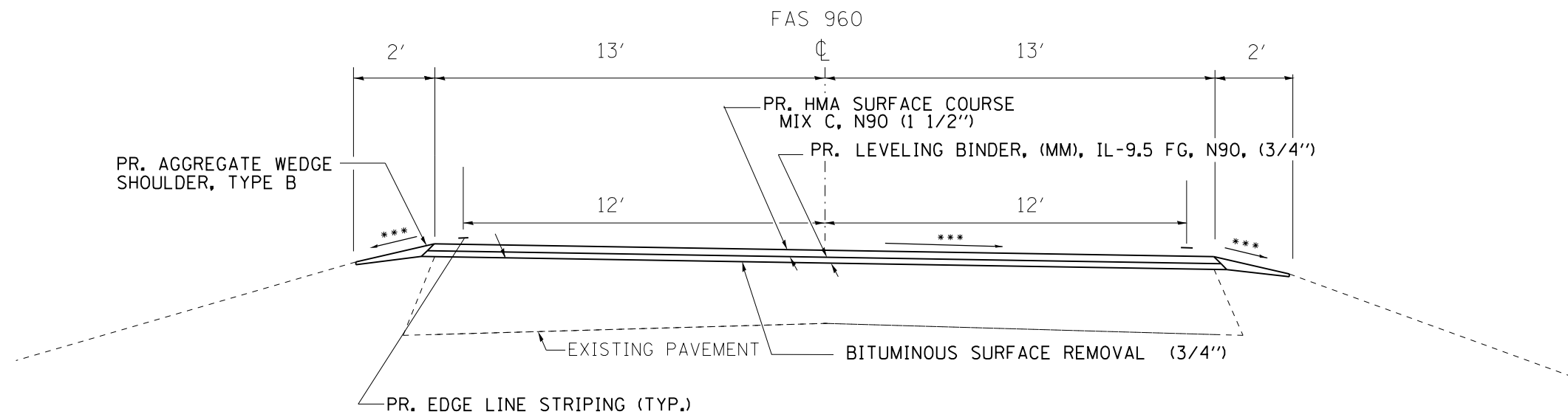
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	PLOT DATE = 6/5/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

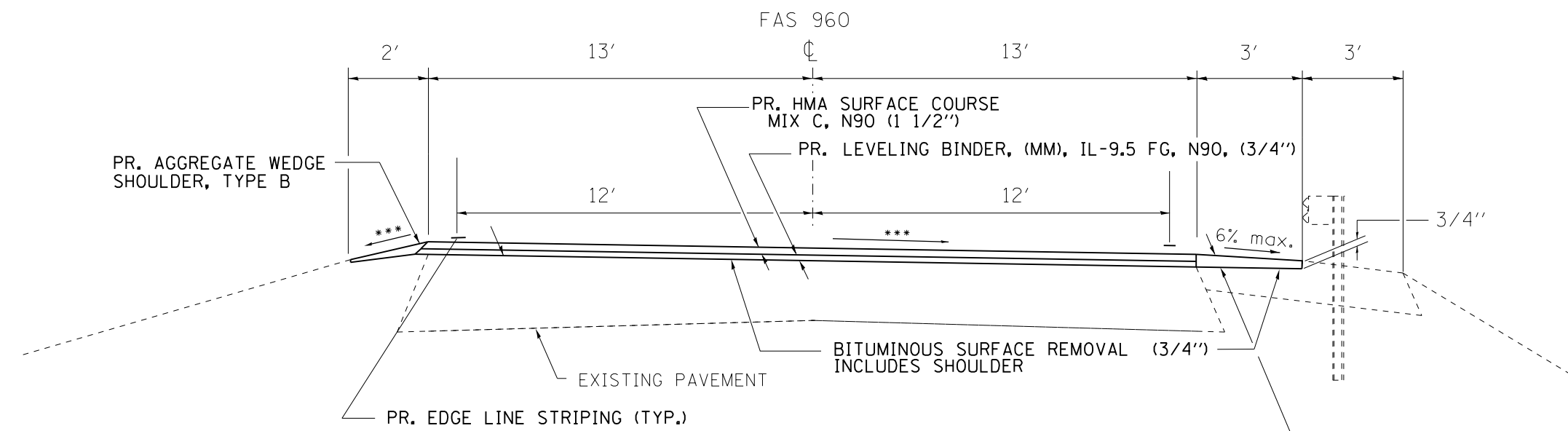
SCALE: SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	38RS-5	JOHNSON	26	8
CONTRACT NO. 78270			ILLINOIS FED. AID PROJECT	



TO BE USED:
 STA. 159+40 TO STA. 161+20
 STA. 169+65 TO STA. 170+00
 (SN 044-0058)

***MATCH EXISTING SLOPE



TO BE USED:
 STA. 161+20 TO STA. 163+11.41
 STA. 165+57.41 TO STA. 169+65
 (SN 044-0058)

***MATCH EXISTING SLOPE

SECTION OUTSIDE
 GUARDRAIL LIMITS

SECTION WITHIN
 GUARDRAIL LIMITS

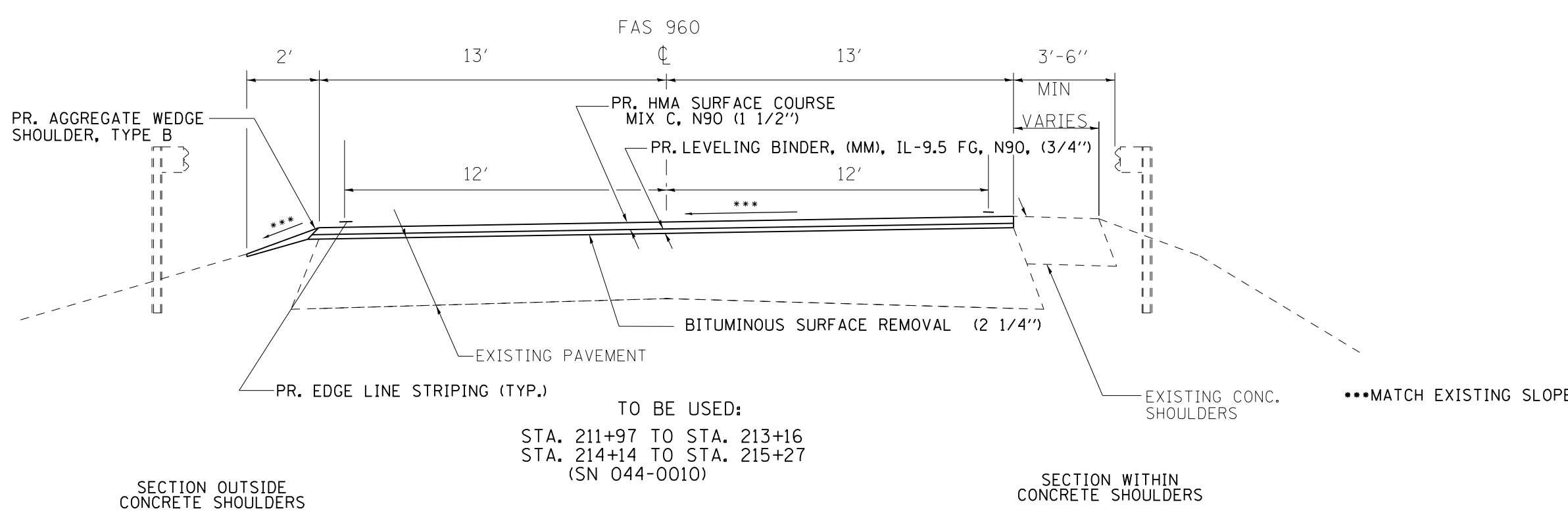
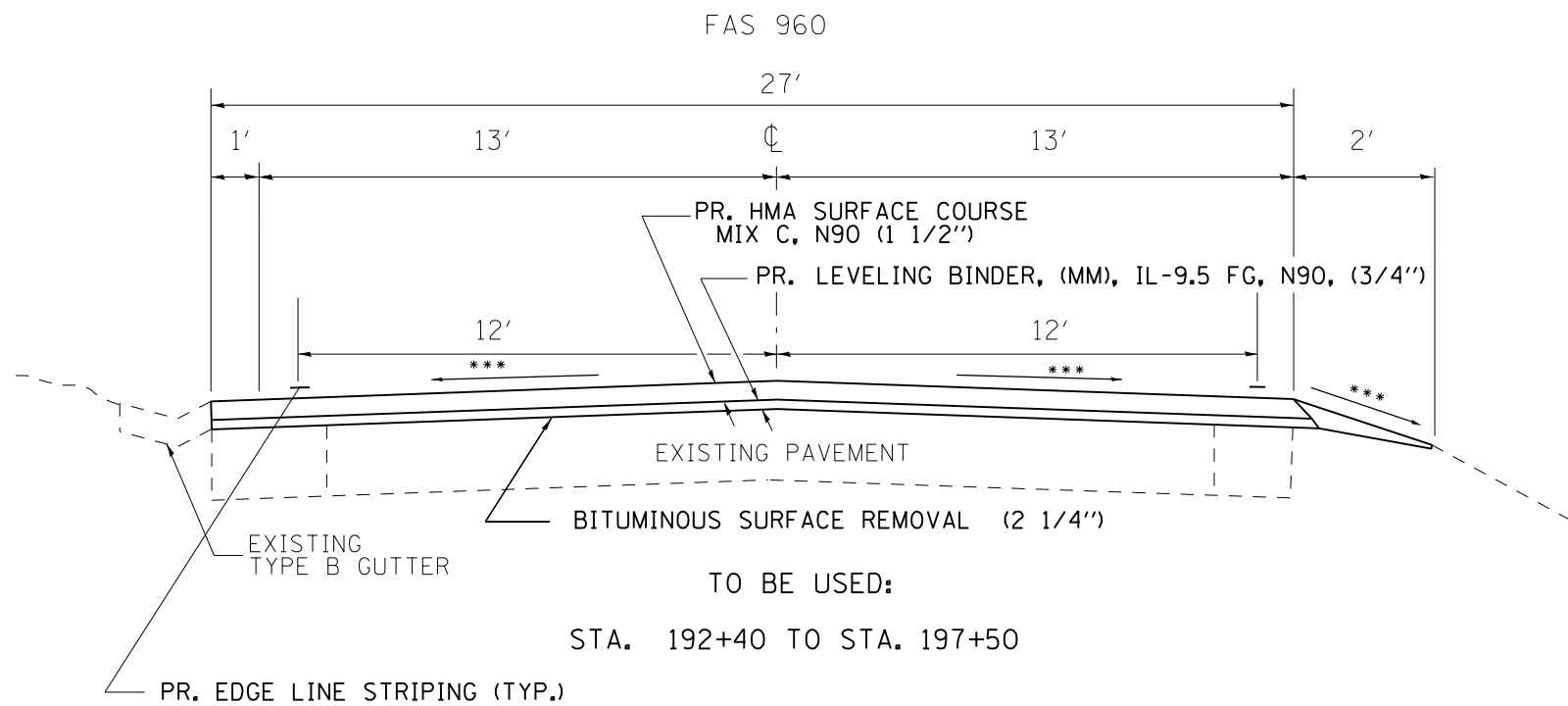
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

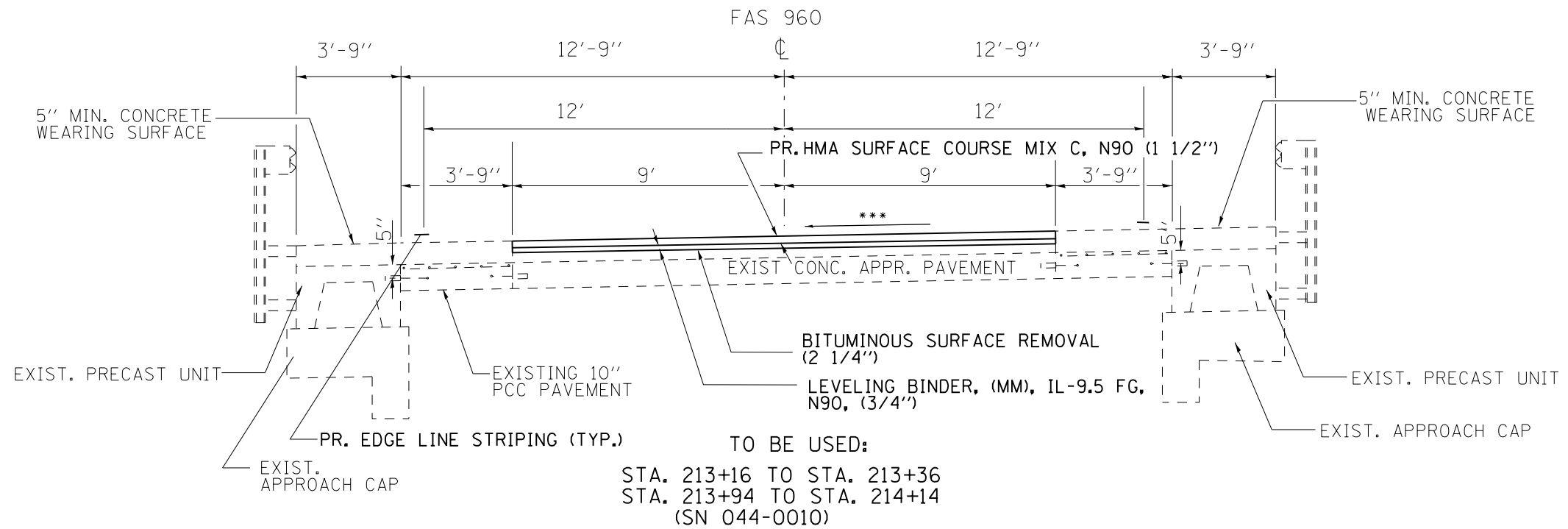
TYPICAL SECTION

SCALE: SHEET NO. 3 OF 6 SHEETS STA. TO STA.

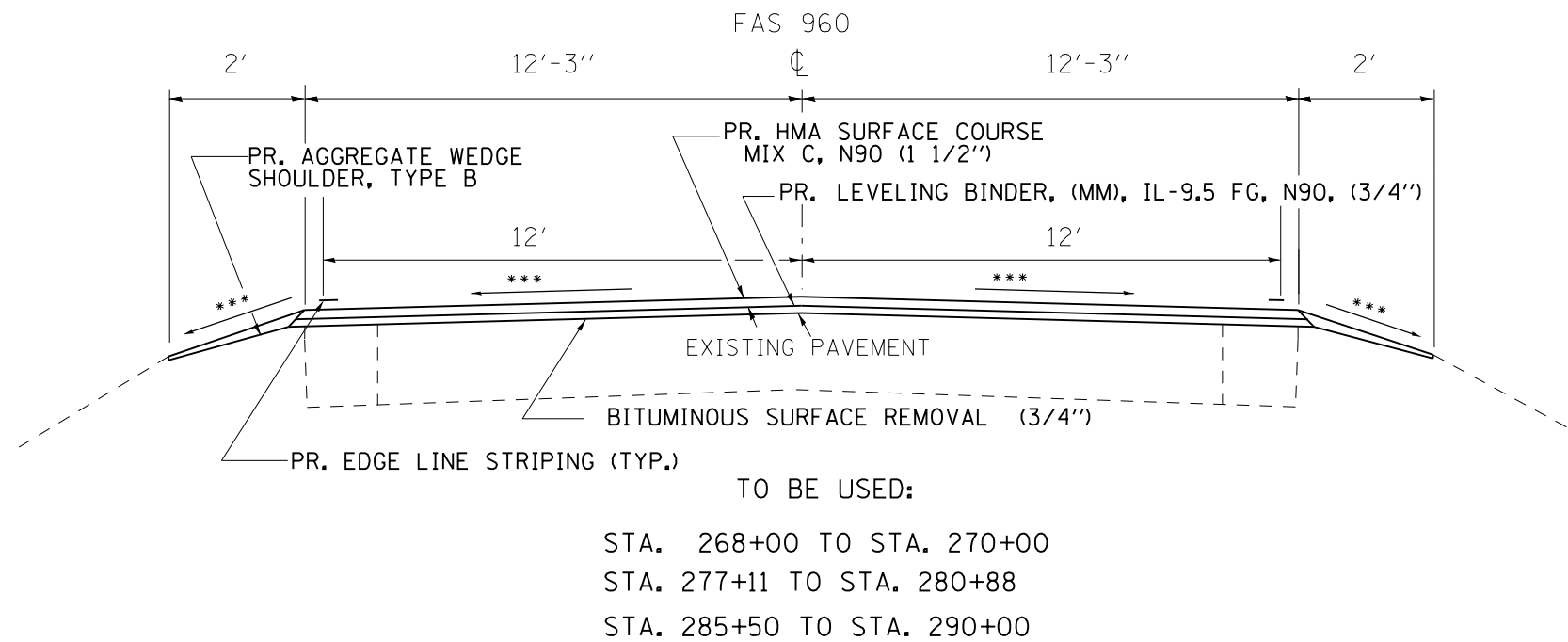
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	38RS-5	JOHNSON	26	9
			CONTRACT NO. 78270	
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\brandonja\0270826\02708270-sht-plen.dgn		DRAWN -	REVISED -		960	38RS-5	JOHNSON	26	10			
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78270			ILLINOIS FED. AID PROJECT				
PLOT DATE = 6/5/2014		DATE -	REVISED -		SCALE:	SHEET NO. 4 OF 6 SHEETS	STA.	TO STA.				

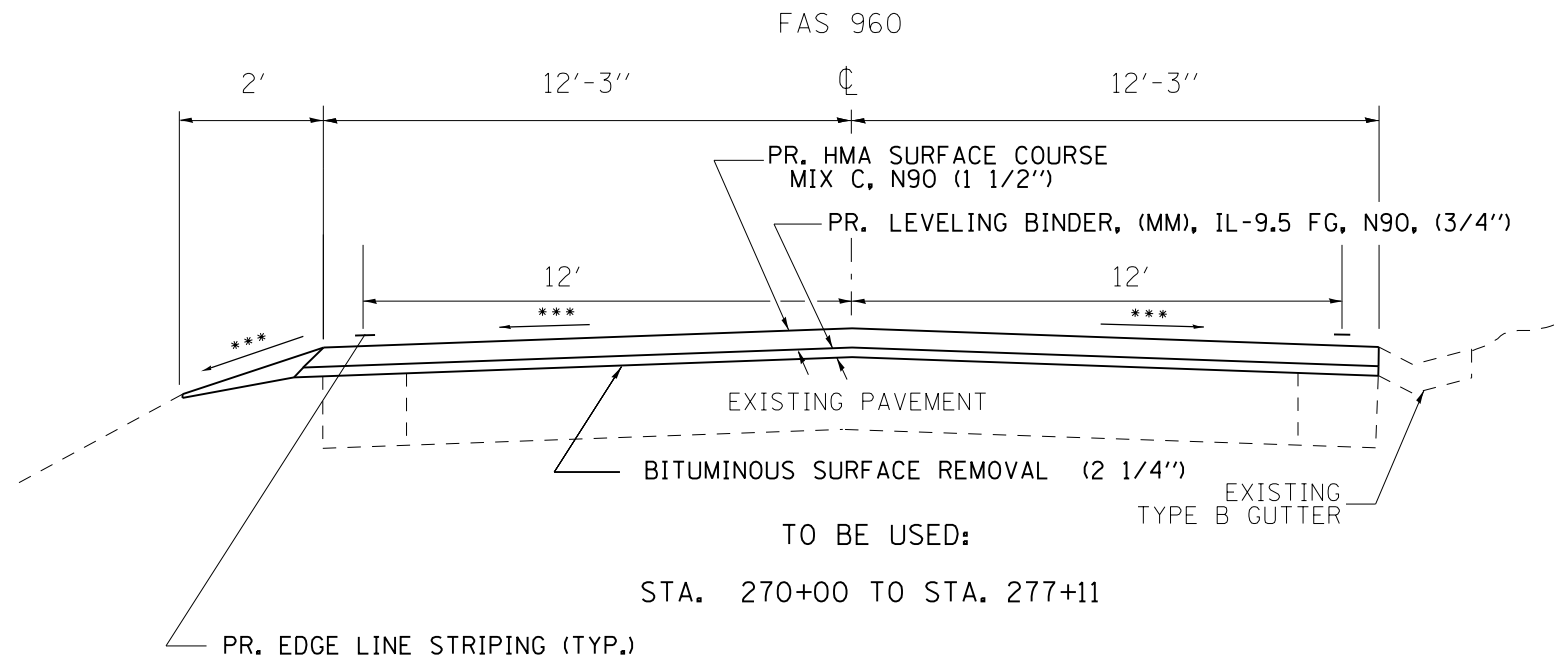


***MATCH EXISTING SLOPE

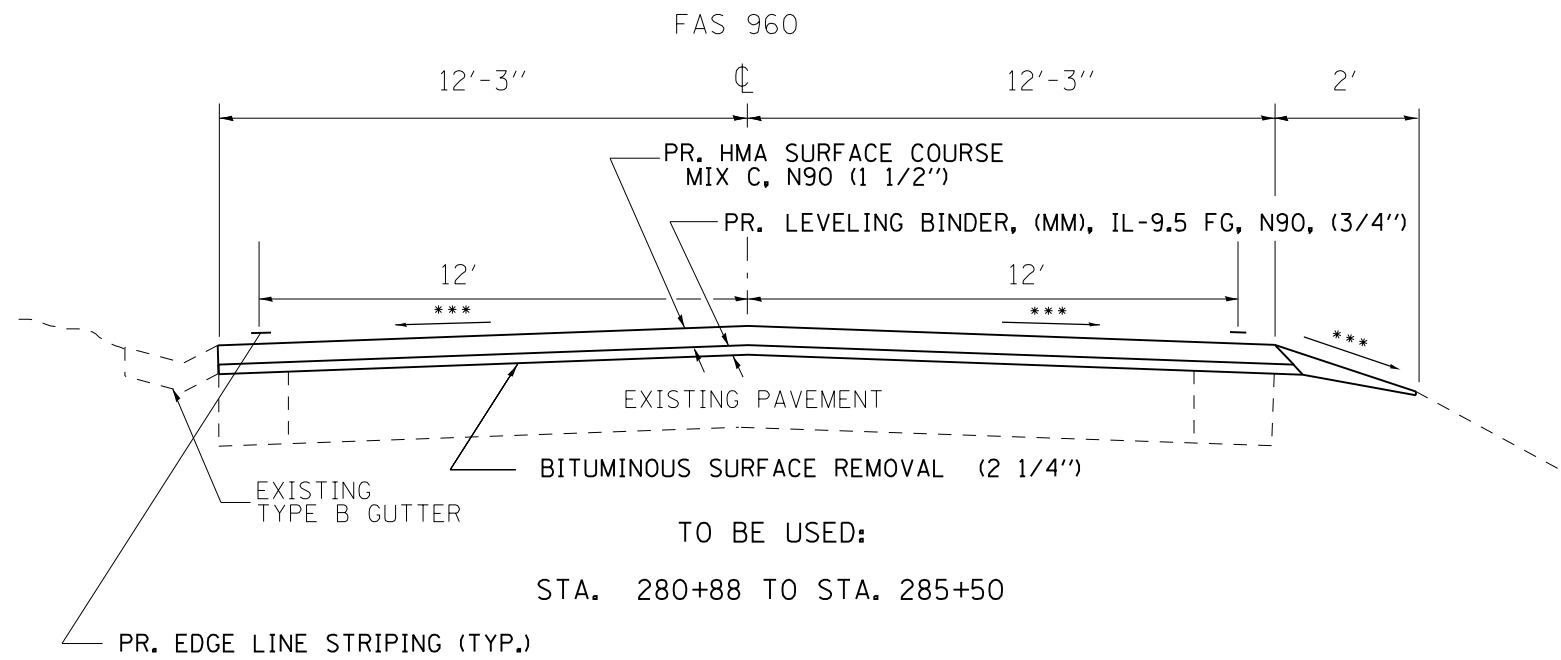


***MATCH EXISTING SLOPE

FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION	F.A.S. RTE. 960	SECTION 38RS-5	COUNTY JOHNSON	TOTAL SHEETS 26	SHEET NO. 11
		DRAWN -	REVISED -							
		CHECKED -	REVISED -							
		DATE -	REVISED -							
						SCALE:	SHEET NO. 5 OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT
CONTRACT NO. 78270										



***MATCH EXISTING SLOPE



***MATCH EXISTING SLOPE

FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\brandonja\d0270826\d978270-sht-plen.dgn		DRAWN -	REVISED -		960	38RS-5	JOHNSON	26	12			
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		SCALE: SHEET NO. 6 OF 6 SHEETS STA. TO STA.			CONTRACT NO. 78270				
PLOT DATE = 6/5/2014		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

PAVEMENT PATCHING -CONT

PATCH #	ODOMETER READING	RT/LT	WIDTH	LENGTH	TY I	TY II	TY III
60	1.1	LT	12	4		5.3	
61		LT	12	4		5.3	
62		LT	12	4		5.3	
63		LT	12	4		5.3	
64		LT	12	4		5.3	
	1.2						
	1.6						
65		LT	12	4		5.3	
	1.7						
66		LT	12	4		5.3	
67		LT	12	4		5.3	
	1.8						
68		LT	12	4		5.3	
	1.9						
	2.3						
69		LT	12	4		5.3	
70		LT	12	4		5.3	
	2.4						
71		LT	12	4		5.3	
72		LT	12	4		5.3	
73		LT	12	4		5.3	
74		LT	12	4		5.3	
75		LT	12	4		5.3	
	2.5						
76		LT	12	4		5.3	
77		LT	12	4		5.3	
	2.6						
78		LT	12	4		5.3	
79		LT	12	4		5.3	
80		LT	14	6		9.3	
81		LT	12	4		5.3	
	2.7						
82	2.8	LT	12	4		5.3	
	2.9						
83		LT	12	4		5.3	
	3.0						
	3.1						
84		LT	12	4		5.3	
	3.2						
85		LT	12	4		5.3	
86		LT	12	4		5.3	
87		LT	12	4		5.3	

ODOMETER READING = 0.0 MI @ BEGIN STA. 91+86

• INDICATES GUTTER SECTION

PAVEMENT PATCHING -CONT

PATCH #	ODOMETER READING	RT/LT	WIDTH	LENGTH	TY I	TY II	TY III
88		LT	12	4		5.3	
89	3.3	LT	12	4		5.3	
90		LT	12	4		5.3	
91		LT	12	4		5.3	
92		LT	12	4		5.3	
93		LT	12	4		5.3	•
	3.4						
94		LT	12	4		5.3	•
	3.5						
95		LT	12	4		5.3	
	3.6						
	3.7						
96		LT	12	4		5.3	
97		LT	12	8		10.7	
98		LT	12	4		5.3	
PROJECT TOTALS					2.7	533.0	16.0

ODOMETER READING = 0.0 MI @ BEGIN STA. 91+86

• INDICATES GUTTER SECTION

-FOR INFORMATION ONLY. FINAL PATCH LOCATIONS WILL BE DETERMINED BY THE ENGINEER.

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PATCHING SCHEDULE			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\p\dot\brandonja\d0270826\d978270-sht-plen.dgn		DRAWN -	REVISED -					960	38RS-5	JOHNSON	26	14
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		SCALE:			SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 78270	
	PLOT DATE = 6/5/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

RESURFACING SCHEDULE

LOCATION STATION TO STATION	LENGTH (FT)	ROADWAY WIDTH (FT)	ROADWAY AREA (SQ YD)	HMA SURFACE REMOVAL (3/4") (SQ YD)	HMA SURFACE REMOVAL (2 1/4") (SQ YD)	TEMP RAMP (SQ YD)	HMA SURFACE REMOVAL - BUTT JT. (SQ YD)	HMA SURF. CSE., MIX C, N90 (1 1/2") (TON)	LEVELING BINDER, (MM), IL-9, 5FG, N90, (3/4") (TON)	BIT. MAT. (PRIME COAT) (POUND)	AGGREGATE SHLDRS., TY. B (TON)	HMA SHOULDERS TON												
													FOR INFORMATIONAL PURPOSE ONLY											
FAS 907 (US 45) - STA. 91+86 TO STA. 302+33																								
91+86 TO 111+96	2010.0	26.0	5806.7	5807		14	14	491	245	3920	114													
111+96 TO 114+74	278.0	26.0	803.1	947		18	18	68	31	639	3	24												
(OMISSION) SN 044-0057																								
117+46 TO 120+24	278.0	26.0	803.1	947		18	18	68	31	639	3	24												
meas. 1915' 120+24 TO 139+50	1915.0	26.0	5532.2	5532				467	236	3734	110													
139+50 TO 145+40	590.0	27.0	1770.0	1822				149	78	1230	34													
145+40 TO 149+30	390.0	26.0	1126.7	1127				95	48	761	22													
149+30 TO 150+25	95.0	26.0	274.4	274				23	12	185		14												
150+25 TO 159+40	915.0	26.0	2643.3	2643				223	113	1784	52													
159+40 TO 161+20	180.0	26.0	520.0	520				44	22	351	9	1												
161+20 TO 163+11.41	192.0	26.0	554.7	686		18	18	47	21	463		20												
(OMISSION) SN 044-0058																								
165+57.41 TO 169+65	408.0	26.0	1178.7	1329		18	18	100	47	897	10	25												
169+65 TO 170+00	35.0	26.0	101.1	101				9	4	68	2													
meas. 2323' 170+00 TO 192+40	2323.0	26.0	6710.9	6711				567	286	4530	128													
192+40 TO 197+50	510.0	27.0	1530		1530			125	65	1033	30													
197+50 TO 211+97	1447.0	26.0	4180.2	4180				353	178	2822	82													
211+97 TO 213+16	119	26.0	343.8		344			29	15	232	2													
213+16 TO 213+36	20.0	18.0	40.0		40	33		3	2	27														
(OMISSION) SN 044-0010																								
213+94 TO 214+14	20.0	18.0	40.0		40	33		3	2	27														
214+14 TO 215+27	113.0	26.0	326.4		326			28	14	220	2													
meas. 5250' 215+27 TO 268+00	5250.0	26.0	15166.7	15167				1281	647	10238	284													
268+00 TO 270+00	200.0	24.5	544.4	544				46	23	368	12													
270+00 TO 277+11	711.0	24.5	1935.5		1936			164	82	1307	20													
277+11 TO 280+88	377.0	24.5	1026.3	1026				87	44	693	18													
280+88 TO 285+50	462.0	24.5	1257.7		1258			106	54	849	13													
285+50 TO 290+00	450.0	24.5	1225.0	1225				104	52	827	26													
290+00 TO 302+33	1233.0	26.0	3562.0	3562		14	14	301	149	2404	70													
** VARIABLE DEPTH HMA SURFACE REMOVAL PAID AS HMA SURFACE REMOVAL 2 1/4"				-676	676																			
PROJECT TOTALS				53474	6150	166	100	4982	2501	40246	1046	108												

* DENOTES SHOULDER INCLUDED IN HMA SURFACE REMOVAL
SEE PAVEMENT TRANSITION DETAILS FOR LOCATION AND
LIMITS OF USE

SIDE ROAD SCHEDULE

LOCATION FAS 907 (US 45)			EXIST. SURFACE	EOP WIDTH	WIDTH AT 15' OFFSET	ROADWAY AREA	HMA SURFACE REMOVAL - BUTT JT.	INCIDENTAL HMA SURFACING	BIT. MAT. (PRIME COAT)	
										FOR INFORMATIONAL PURPOSE ONLY
				(FT)	(FT)	(SQ YD)	(SQ YD)	(TON)	(POUND)	
SIDE ROADS										
Rt.	Ballowe Church Rd.	147+61	Oil & Chip	85.0	43.0	106.7		19	24	
Rt.	Belknap Rd.	259+04	Bituminous	90.0	60.0	125.0	125	11	28	
Lt.	Indian Point Rd.	280+40	Oil & Chip	72.0	32.0	86.7		15	20	
PROJECT TOTALS								125	45	72

ENTRANCE SCHEDULE

LOCATION FAS 907 (US 45)	ENTRANCE TYPE	EXIST. SURFACE	EOP WIDTH	WIDTH AT 4' OFFSET	ROADWAY AREA	INCIDENTAL HMA SURFACING	BIT. MAT. (PRIME COAT)			
								FOR INFORMATIONAL PURPOSE ONLY		
								TYPE	(FT)	(FT)
ENTRANCES										
99+28 Rt.	Private Ent.	Agg.	33.0	27.0	13.3	1	22			
132+62 Rt.	Private Ent.	Agg.	32.0	27.0	13.1	1	22			
133+49 Lt.	Private Ent.	Agg.	50.0	40.0	20.0	2	50			
137+73 Rt.	Private Ent.	Agg.	30.0	28.0	12.9	1	21			
143+82 Rt.	Private Ent.	Agg.	64.0	48.0	24.9	2	77			
145+54 Rt.	Private Ent.	Agg.	65.0	50.0	65.0	2	81			
148+33 Rt.	Private Ent.	Agg.	50.0	40.0	20.0	2	50			
170+90 Rt.	Private Ent.	Agg.	70.0	56.0	28.0	2	98			
169+23 Lt.	Private Ent.	Agg.	37.0	32.0	15.3	1	30			
176+88 Lt.	Private Ent.	Agg.	62.0	53.0	25.6	2	82			
187+66 Lt.	Private Ent.	Agg.	31.0	27.0	12.9	1	21			
215+25 Lt.	Private Ent.	Agg.	38.0	28.0	14.7	1	27			
228+85 Lt.	Private Ent.	Agg.	29.0	22.0	11.3	1	16			
247+33 Rt.	Private Ent.	Agg.	36.0	32.0	15.1	1	29			
250+41 Rt.	Private Ent.	Agg.	40.0	33.0	16.2	1	33			
254+23 Rt.	Private Ent.	Agg.	31.0	22.0	11.8	1	17			
255+94 Rt.	Private Ent.	Bit.	251.0	245.0	110.2	6	1537			
258+96 Lt.	Private Ent.	Bit.	32.0	29.0	13.6	1	23.2			
259+13 Lt.	Private Ent.	Agg.	26.0	20.0	10.2	1	13			
260+57 Lt.	Private Ent.	Agg.	35.0	29.0	14.2	1	25			
262+26 Lt.	Private Ent.	Agg.	32.0	24.0	12.4	1	19			
264+00 Lt.	Private Ent.	Agg.	48.0	37.0	18.9	2	44			
276+12 Rt.	Private Ent.	Pcc.	33.0	26.0	13.1	*	*			
276+12 Lt.	Private Ent.	Agg.	33.0	26.0	13.1	*	*			
SUBTOTALS						34	2338			

* HAS NO QUANTITY. LOCATED IN INLAY SECTION

PAINT PAVEMENT MARKING - LINE 4''

LOCATION			LINE 4 INCH			
			SOLID WHITE	SOLID YELLOW	SOLID YELLOW	YELLOW SKIP DASH
STA	TO	STA	(FOOT)	LT NPZ (FOOT)	RT NPZ (FOOT)	(FOOT)
91+86	TO	114+74	4576			572
117+46	TO	120+37	582			73
120+37	TO	131+69	2264		1132	283
131+69	TO	163+12	6286	3143	3143	
165+58	TO	213+36	9724	4862	4862	
213+94	TO	228+21	2854	1427	1427	
228+21	TO	239+93	2344	1172		293
239+93	TO	248+32	1678			210
248+32	TO	258+85	2106		1053	264
258+85	TO	266+11	1452	726	726	
266+11	TO	275+32	1842		921	231
275+32	TO	294+90	3916	1958	1958	
294+90	TO	302+33	1486	743		186
SUB TOTAL:			41110	14031	15222	2112
TOTAL:			72475			

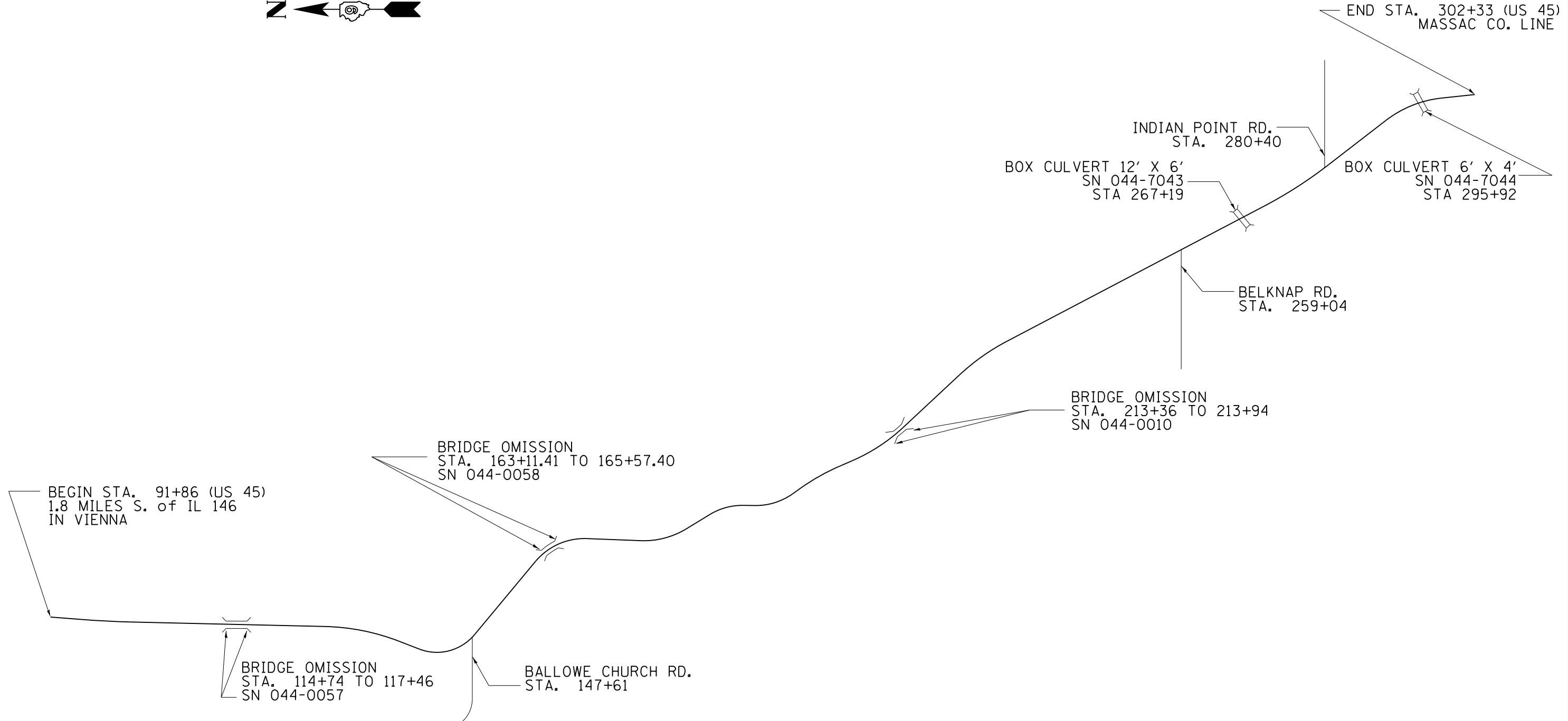
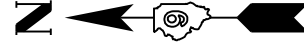
NPZ = NO PASSING ZONE

TEMPORARY PAVEMENT MARKING EQUALS THE PAINT PAVEMENT MARKING

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

RAISED PAVEMENT MARKERS

LOCATION			RAISED REFLECTOR PAVEMENT MARKERS TWO WAY AMBER	RAISED REFLECTOR PAVEMENT MARKERS REMOVAL
			(EACH)	(EACH)
STA	TO	STA		
91+86	TO	114+74	30	30
117+46	TO	163+12	70	70
165+58	TO	213+36	89	89
213+94	TO	302+33	123	123
SUBTOTAL:			312	312



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
c:\pwork\pwork\brandonja\0270826\d978270-sht-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

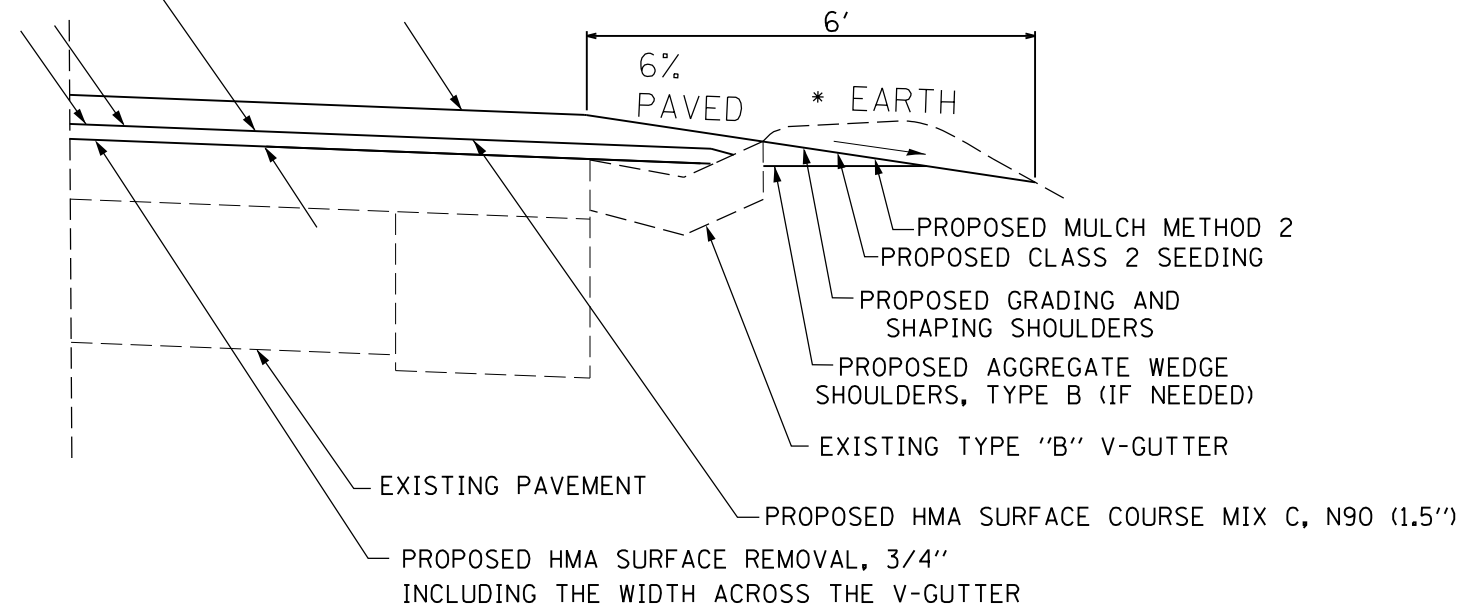
PLAN VIEW			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	38RS-5	JOHNSON	26	18
CONTRACT NO. 78270			ILLINOIS FED. AID PROJECT	

GRADING AND SHAPING SHOULDERS DETAIL

NOT TO SCALE

PROPOSED LEVELING BINDER, (MM), IL-9.5FG, N90 (3/4")



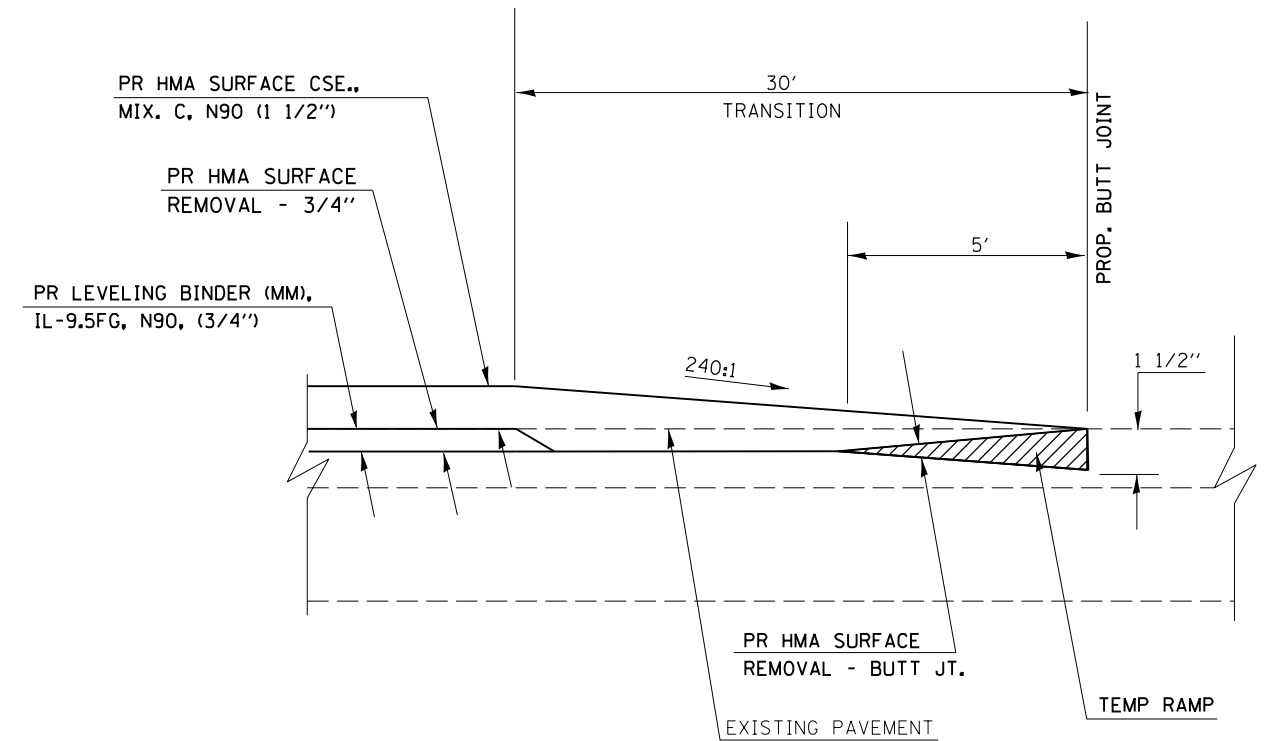
To Be Used
LEFT STA. 139+50 TO STA. 145+40

NOTES: * 6% OR TO THE SATISFACTION OF THE ENGINEER

1. THE EXISTING EARTH SHOULDER SHALL BE REGRADED AND COMPACTED IN PLACE TO THE SATISFACTION OF THE ENGINEER. THE DISTURBED AREAS SHALL BE SEEDED WITH CLASS 2 SEEDING AND COVERED WITH MULCH, METHOD 2, IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS. CLASS 2 SEEDING AND MULCH, METHOD 2, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT PRICE PER UNIT FOR GRADING AND SHAPING SHOULDERS.
2. GRADING AND SHAPING SHOULDERS WILL BE MEASURED IN UNITS OF LENGTH, WHERE 1 UNIT = 100 FEET.
3. THE WORK REQUIRED TO GRADE AND RESHAPE THE EXISTING SHOULDERS WILL BE PAID FOR AT THE CONTRACT PRICE PER UNIT FOR GRADING AND SHAPING SHOULDERS, WHICH PRICE SHALL INCLUDE ALL MATERIAL, EQUIPMENT, AND LABOR TO COMPLETE THE WORK AS SPECIFIED.
4. THE EXISTING AGGREGATE SHOULDER SHALL BE REGRADED AND COMPACTED IN PLACE. ADDITIONAL AGGREGATE REQUIRED TO BRING THE TOP OF THE SHOULDER TO GRADE SHALL BE PLACED AND COMPACTED AS DIRECTED BY THE ENGINEER.
5. ADDITIONAL AGGREGATE MATERIAL REQUIRED TO RE-SHAPE THE SHOULDERS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR AGGREGATE WEDGE SHOULDERS, TYPE B.

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL GRADING AND SHAPING SHOULDERS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\p\dot\brandonja\d0270826\d978270-sht-plen.dgn		DRAWN -	REVISED -			960	38RS-5	JOHNSON	26	19	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 78270					
	PLOT DATE = 6/5/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

DETAIL HMA SURFACE REMOVAL - BUTT JOINT



TO BE USED:
 STA. 91+86 TO STA. 91+91
 STA. 114+74 TO STA. 114+69
 STA. 117+46 TO STA. 117+51
 STA. 163+11.41 TO STA 163+05.41
 STA. 165+57.41 TO STA. 165+62.41
 STA. 302+33 TO STA. 302+28

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
ci:\pwork\pwork\brandonja\0270826\d978270-sht-plen.dgn		DRAWN -	REVISED -
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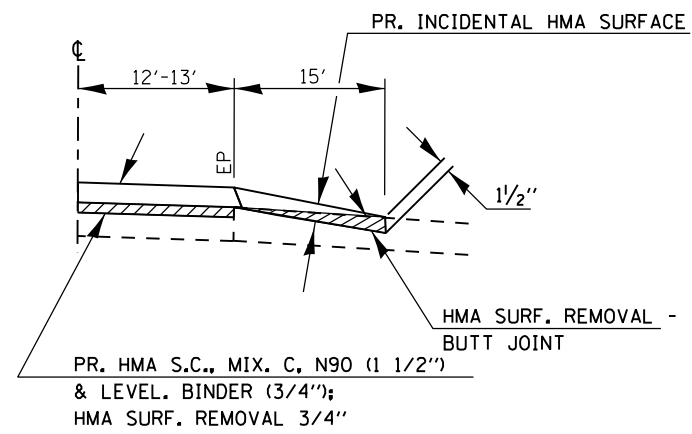
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL HMA SURFACE REMOVAL - BUTT JOINT

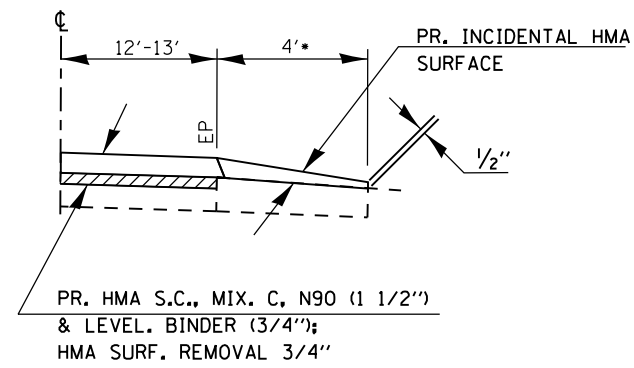
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	38RS-5	JOHNSON	26	20
CONTRACT NO. 78270			ILLINOIS FED. AID PROJECT	

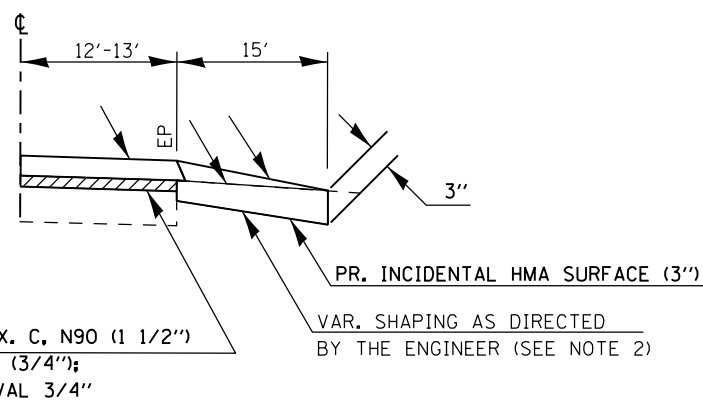
SIDEROAD AND ENTRANCE DETAILS



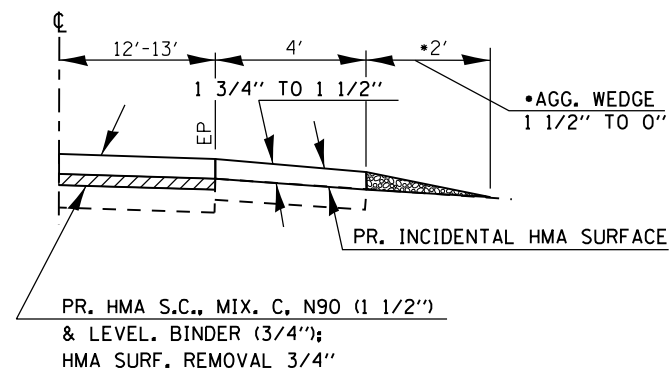
SIDE ROAD SEC. B-B
EX. BIT. OR CONC. SURFACE



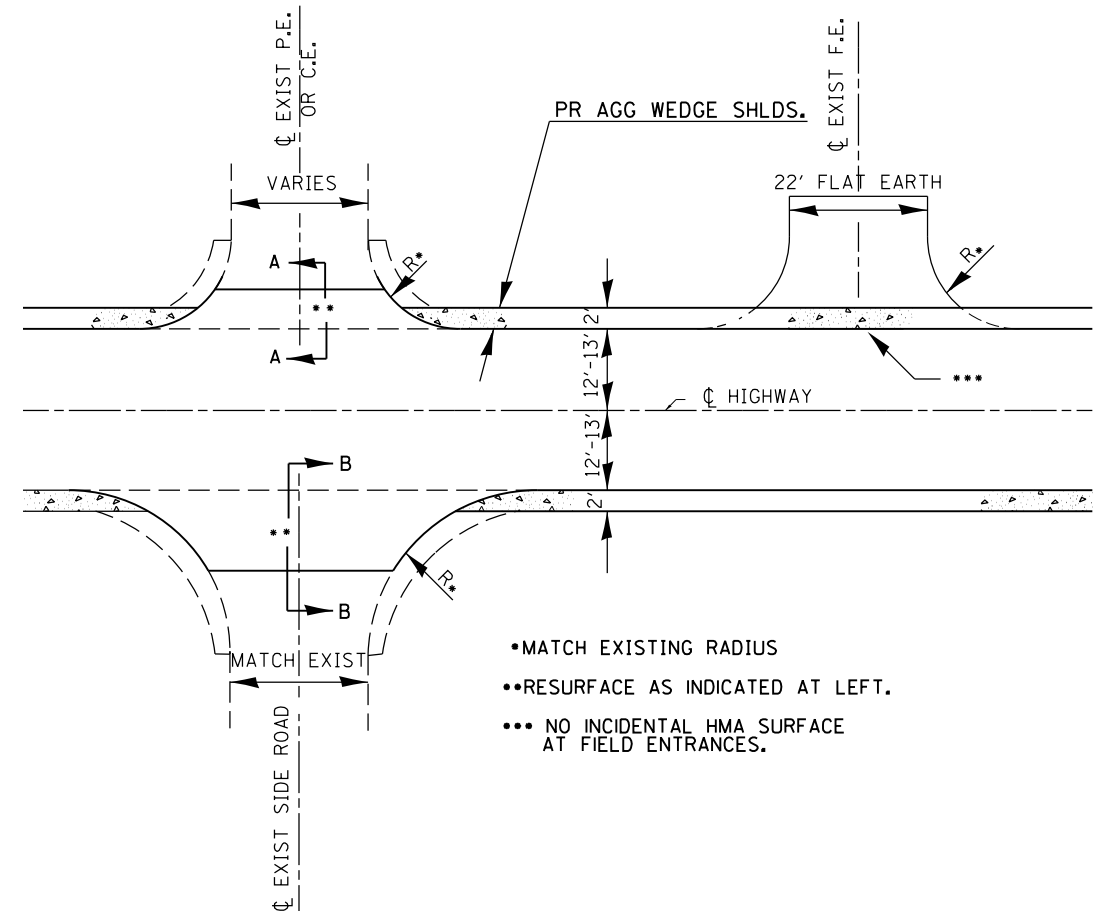
PE OR CE SEC. A-A
EX. BIT. OR CONC. SURFACE
•OR END OF BIT. APRON



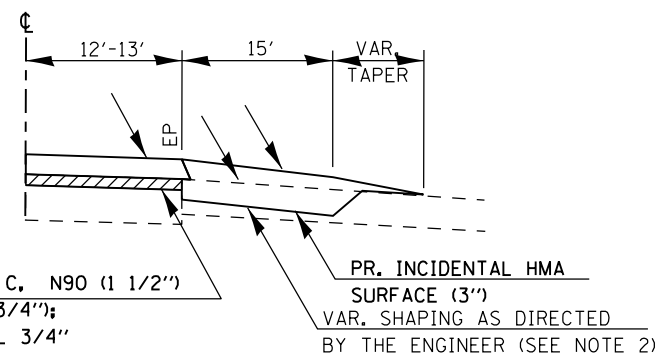
SIDE ROAD SEC. B-B
EX. AGGREGATE SURFACE
(SEE NOTE 1)



PE, CE SEC. A-A
EX. AGGREGATE SURFACE WITH BIT. APRON
•SEE ENTRANCE SCHEDULE FOR QUANTITY.



SEE ENTRANCE SCHEDULE



SIDE ROAD SEC. B-B
EX. OIL & CHIP SURFACE
(SEE NOTE 1)

NOTES

1. IF EXISTING SUBBASE IS INADEQUATE, AS DETERMINED BY THE ENGINEER, THE SIDE ROADS SHALL BE CORED OUT AND AGGREGATE SUBBASE, TYPE B SHALL BE PLACED FOR BASE. THE COST OF CORING OUT THE SIDE ROAD AND ANY AGGREGATE BASE COURSE SHALL BE PAID FOR AS SPECIFIED IN ART. 109.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. IF EXISTING SUBBASE IS DETERMINED TO BE ADEQUATE, THE PREPARATION OF THE BASE SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.09.
2. VARIABLE SHAPING IS INCLUDED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACE.

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

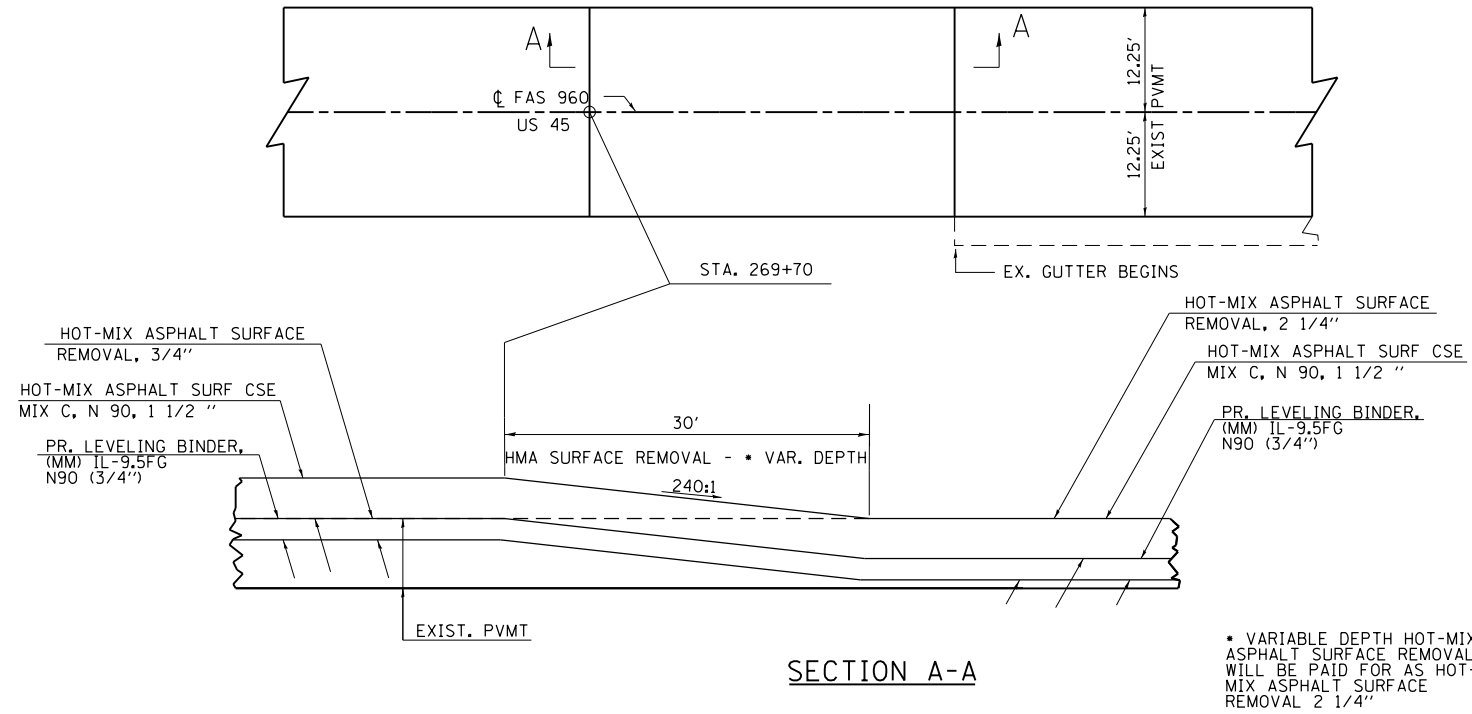
**DETAIL: SIDE ROADS
AND ENTRANCES**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	38RS-5	JOHNSON	26	21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 78270	

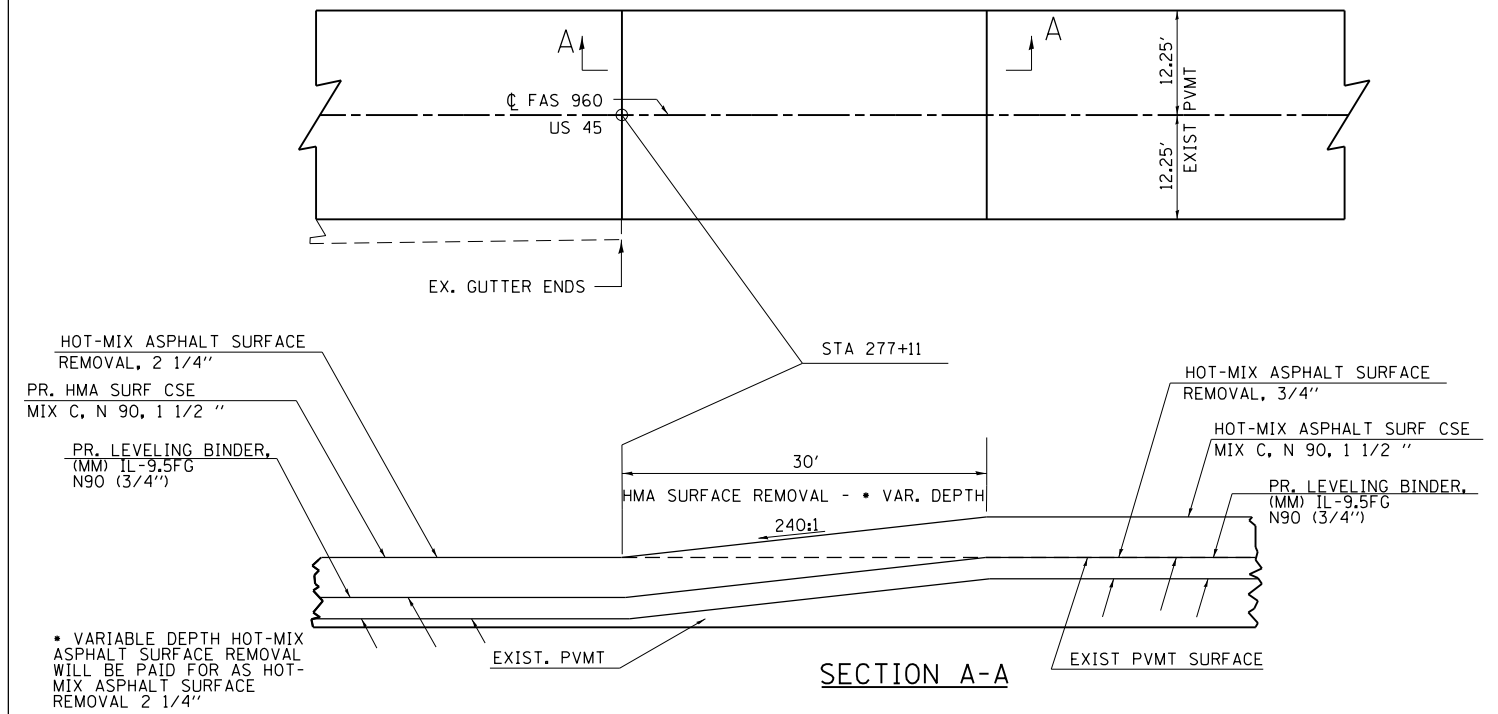
PAVEMENT TRANSITION DETAIL

STA. 269+70 TO STA. 270+00



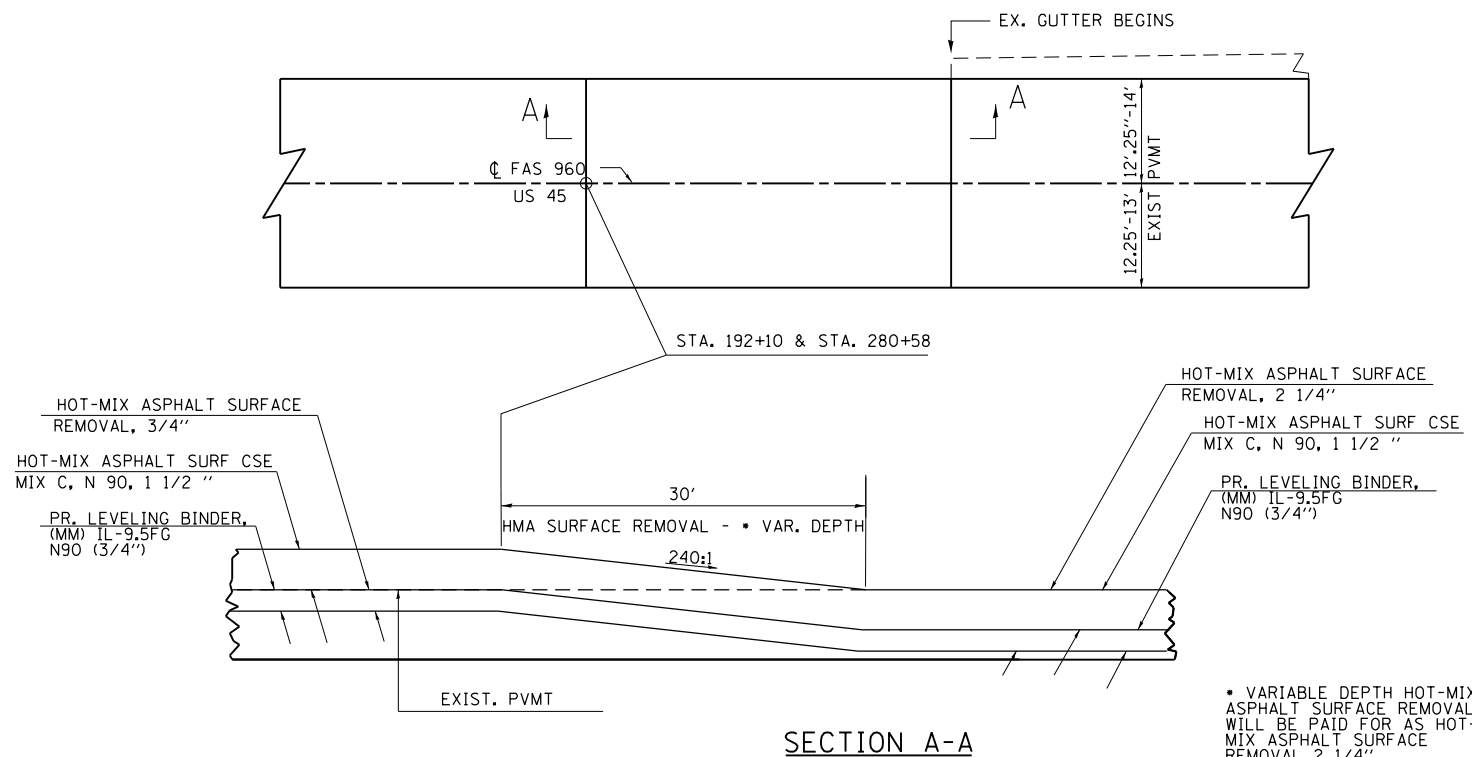
PAVEMENT TRANSITION DETAIL

STA. 277+11 TO STA. 277+41



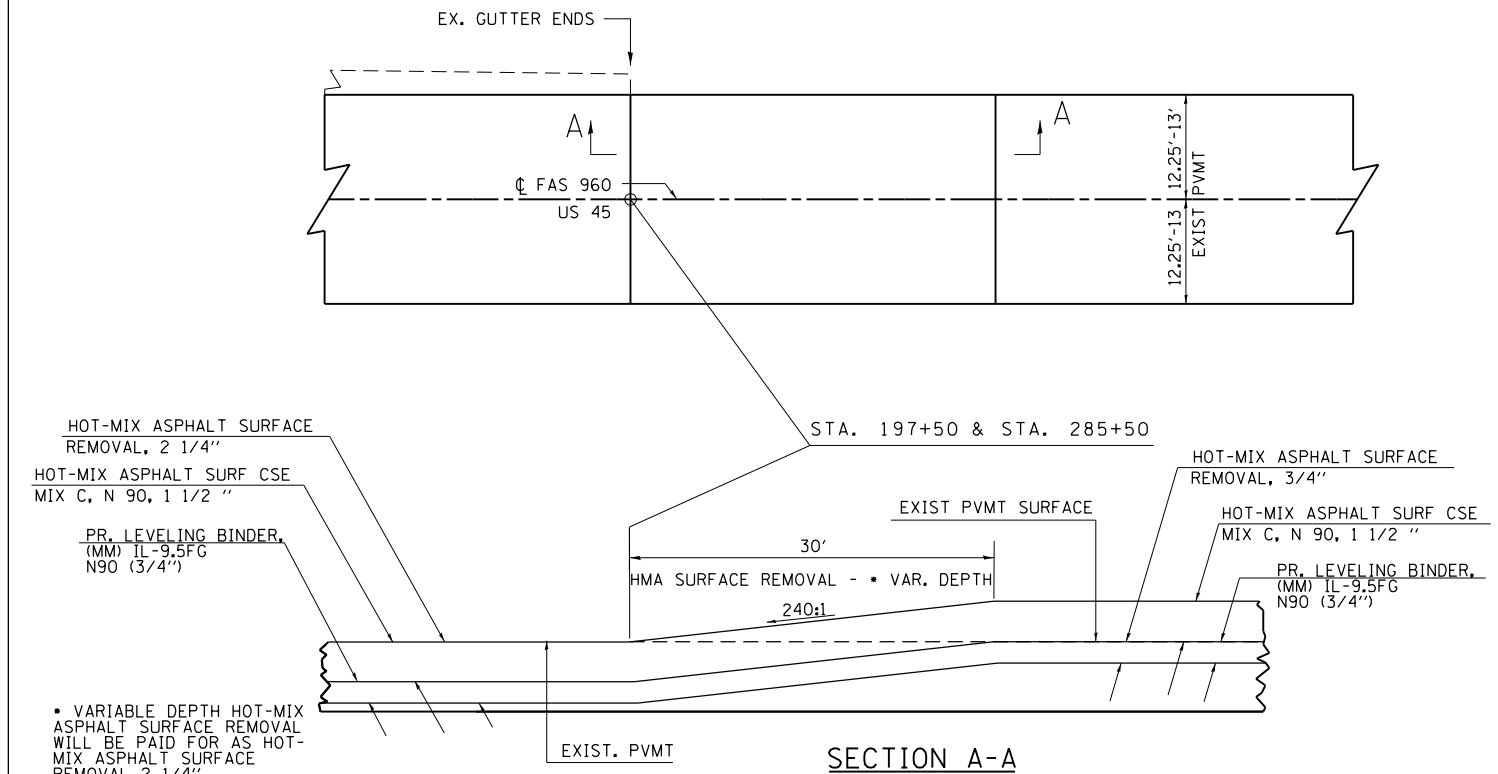
PAVEMENT TRANSITION DETAIL

STA. 192+10 TO STA. 192+40
STA. 280+58 TO STA. 280+88



PAVEMENT TRANSITION DETAIL

STA. 197+50 TO STA. 197+80
STA. 285+50 TO STA. 285+80



FILE NAME =	USER NAME = brandonja	DESIGNED -	REVISED -
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	PLOT DATE = 6/6/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

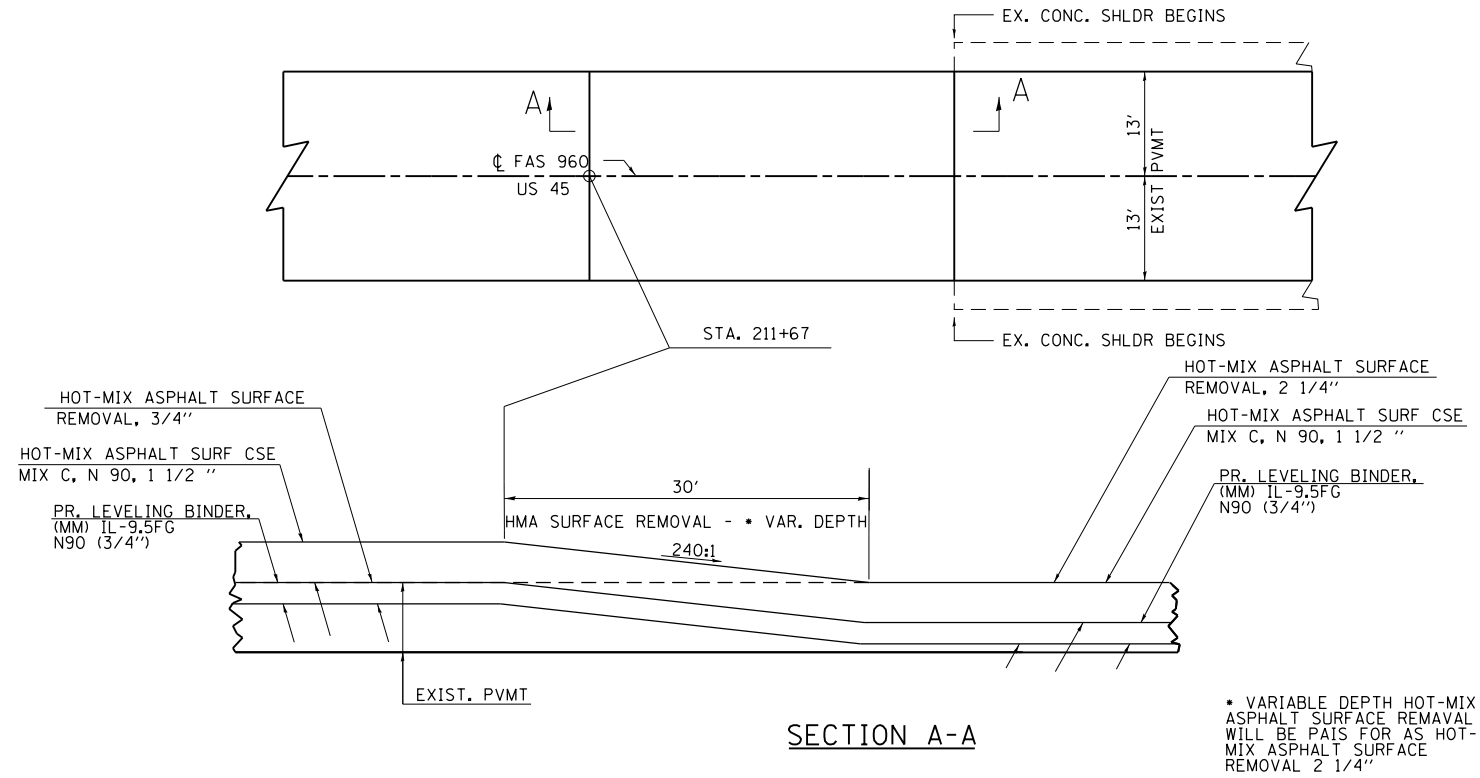
DETAIL: PAVEMENT TRANSITION

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	38RS-5	JOHNSON	26	22
CONTRACT NO. 78270			ILLINOIS FED. AID PROJECT	

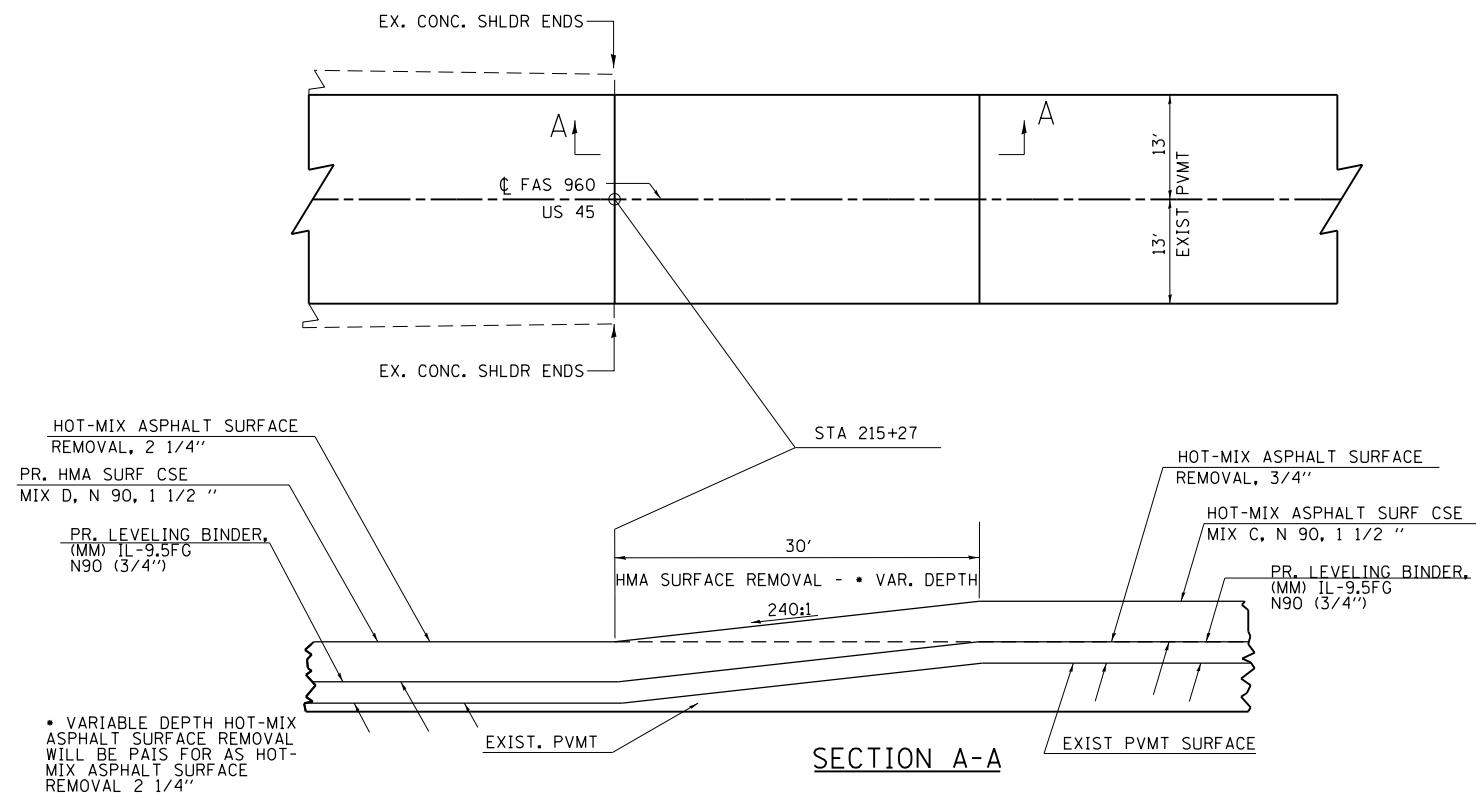
PAVEMENT TRANSITION DETAIL

STA. 211+67 TO STA. 211+97



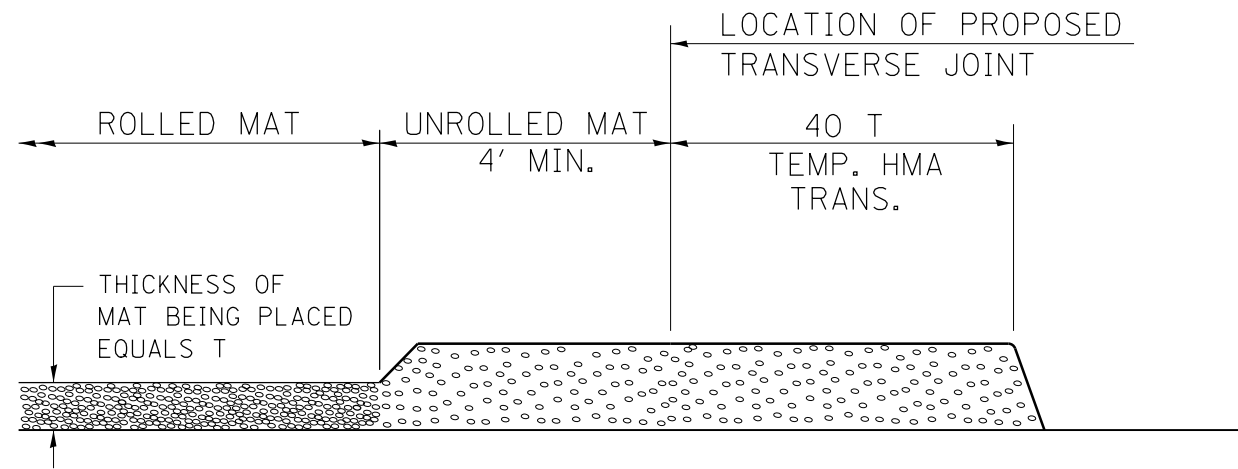
PAVEMENT TRANSITION DETAIL

STA. 215+27 TO STA. 215+57



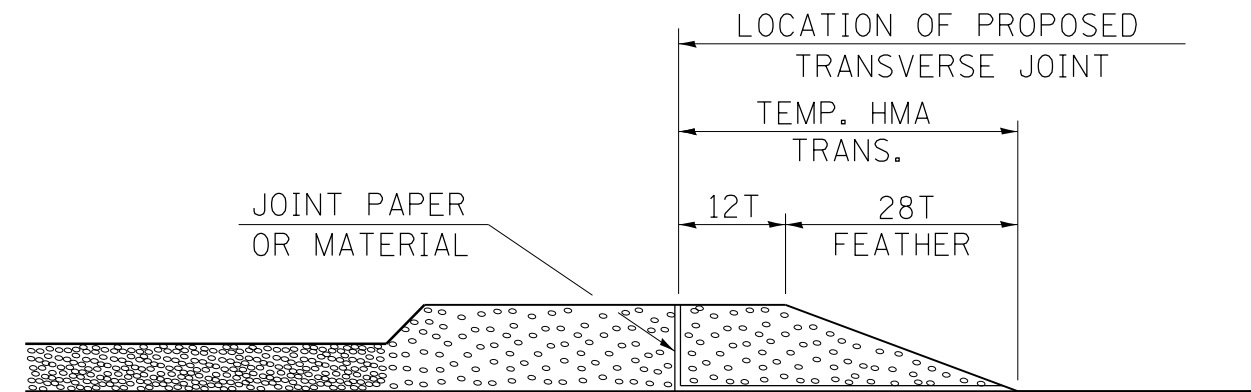
FILE NAME =	USER NAME = brandon.ja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL: PAVEMENT TRANSITION			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -								CONTRACT NO. 78270		
	PLOT DATE = 6/6/2014	DATE -	REVISED -								ILLINOIS FED. AID PROJECT		

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



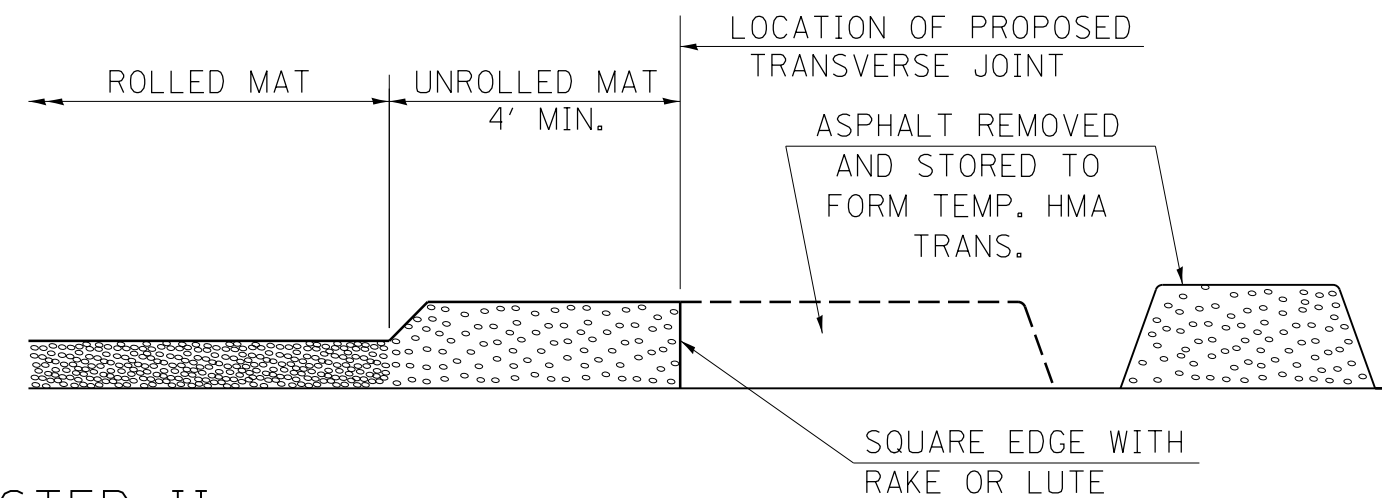
STEP I

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.



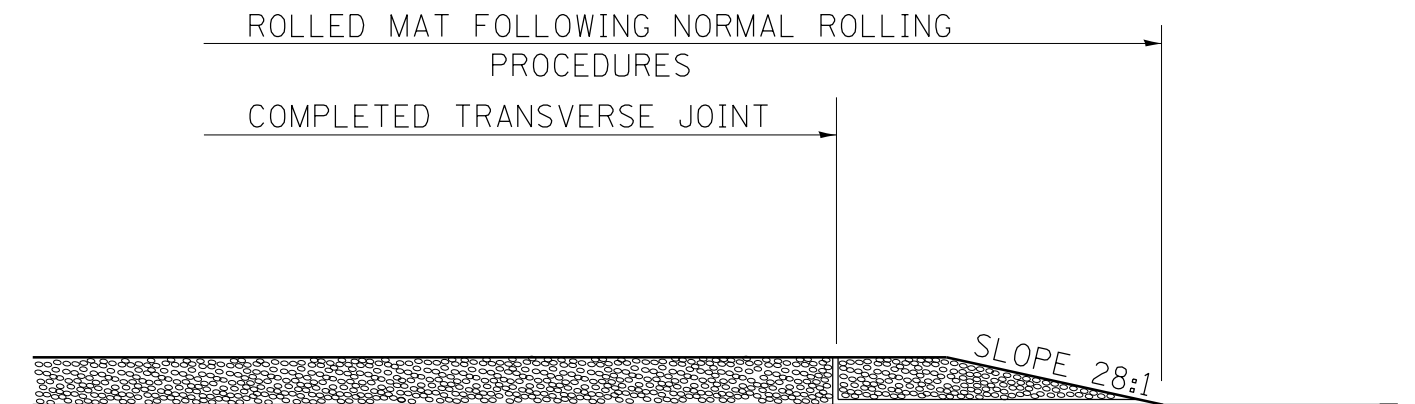
STEP III

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 -
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

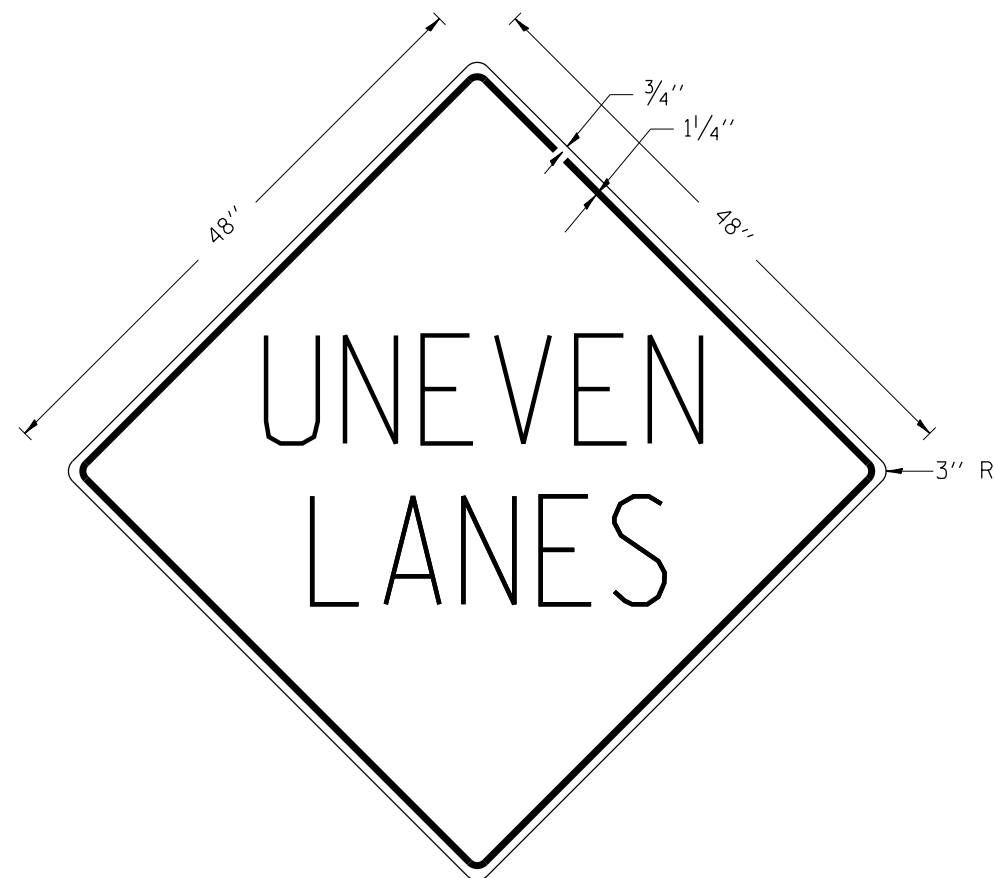
TEMPORARY HOT-MIX ASPHALT TRANSITIONS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
960	38RS-5	JOHNSON	26	24
CONTRACT NO. 78270				
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.

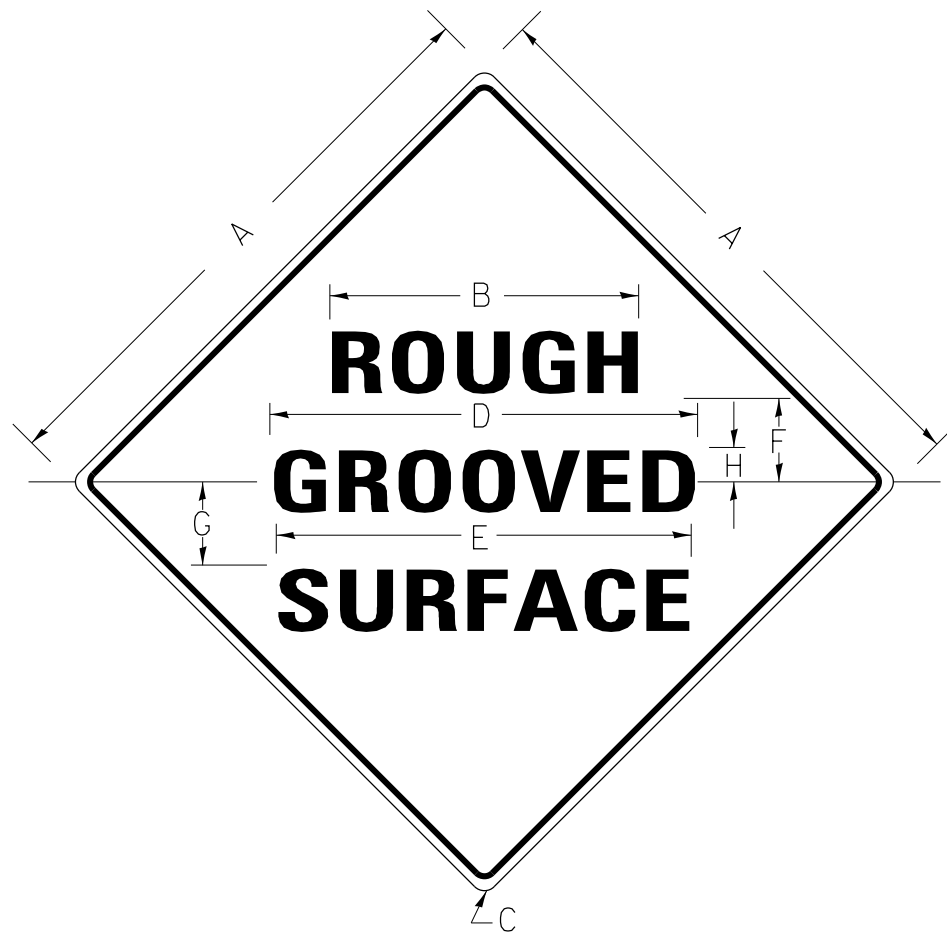
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

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 -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	UNEVEN LANES SIGN			F.A.S. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pwork\pwork\brandonja\0270826\02708270-sht-plen.dgn		DRAWN -	REVISED -					960	38RS-5	JOHNSON	26	25	
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		SCALE:			SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	
	PLOT DATE = 6/5/2014	DATE -	REVISED -		CONTRACT NO. 78270								



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