

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*804 & 811	DS PATCH & RES 2014-2	CHAMPAIGN	45	1
		ILLINOIS	CONTRACT NO.	70A70

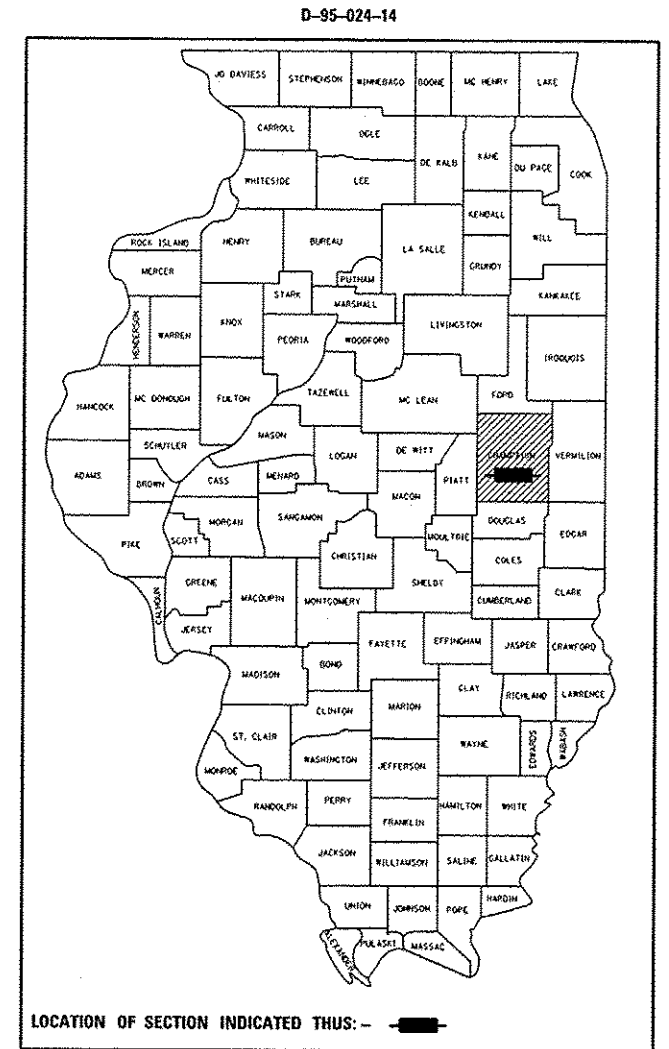
FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEETS NO. 7-9

**PROPOSED  
HIGHWAY PLANS**

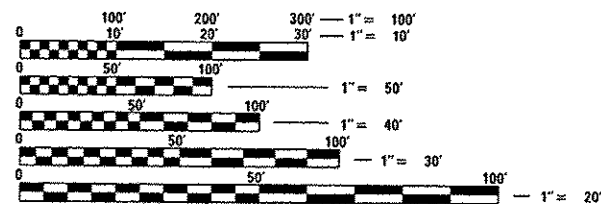
F.A.P. ROUTE 804 & 811 (US 150 / PROSPECT AVE. & MATTIS AVE.)  
SECTION D5 PATCH & RES 2014-2  
PATCHING RESURFACING INTERMITTENT  
SPRINGFIELD AVE. TO BLOOMINGTON RD. &  
BRADLEY AVE. TO BLOOMINGTON RD.

CHAMPAIGN COUNTY

C-95-024-14



SEE SHEETS NO. 5-6 FOR LOCATION MAPS



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: NANCY J. FASIG  
SQUAD LEADER: BRENT CEARLOCK  
DESIGNER: BRIGHT AVUSUGLO-AHIA  
PHONE NUMBER: (217)465-4181  
CONTRACT NO. 70A70

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 0402 2014

*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*[Signature]* May 9 2014  
John D. Baranzolo, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

*[Signature]* May 9 2014  
Omer Osman, P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
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23-30	SCHEDULE OF QUANTITIES - LOCATION #2 (MATTIS AVE.)
31-38	PLAN VIEW SHEETS - LOCATION #2 (MATTIS AVE.)
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## LIST OF STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
701427-02	URBAN LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEED 40 MPH
701602-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-03	TRAFFIC CONTROL DEVICES
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	DETECTION LOOPS, TYPICAL INSTALLATIONS

FILE NAME *	USER NAME * avuuglob	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS &amp; LIST OF STANDARDS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cr:\pvc\work\avidot\avuuglob\02385126\05	0A78-shr-gennote(Spring Conct. Fund).dgn	DRAWN -	REVISED -			811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	2
	PLOT SCALE * 48,0000 1 / in.	CHECKED -	REVISED -			CONTRACT NO. 7QA70				
	PLOT DATE * 4/3/2014	DATE -	REVISED -			SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. -	TO STA. -	ILLINOIS FED. AID PROJECT

G. N. -100

ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G. N. -100A

ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G. N. -107.12

THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

Ms. Crystal Fry  
Division Office Manager-Illinois Division  
Norfolk Southern Railway Company  
1735 East Condit Street  
Decatur, IL. 62521  
(217) 425-2078

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD CONTACT PERSON FOR FLAGGERS IS:

Mr. Matt Chaperan  
Track Supervisor  
Norfolk Southern Railway Company  
Illinois Division  
2100 West College  
Normal, IL 61761  
(217) 451-8016

SOME RAILROADS REQUIRE CONTRACTORS TO OBTAIN A RIGHT OF ENTRY PERMIT BEFORE ENTERING UPON RAILROAD RIGHT OF WAY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A RAILROAD RIGHT OF ENTRY PERMIT FROM THE RAILROAD IF REQUIRED BY THE RAILROAD(S).

G. N. 406H MIXTURE REQUIREMENTS

LOCATION	PROSPECT AVE. & MATTIS AVE.	MATTIS AVE.
MIXTURE USE	POLYMER SURFACE	CLASS D PATCH
AC/PG	SBS PG 70-22	PG 64-22
RAP % (MAX)	10	10
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMP( GRADATION)	IL 9.5	IL 19.0
FRICITION AGGREGATE	MIX D	N. A.

G.N. 406K

THERE ARE VARIOUS PAY ITEMS IN THIS CONTRACT THAT INCLUDE THE USE OF HOT-MIX ASPHALT. UNLESS OTHERWISE LISTED BELOW THE HOT-MIX ASPHALT USED IN THE PAY ITEMS SHALL BE CONTROLLED AND ACCEPTED IN ACCORDANCE WITH ARTICLE 1030.05 "QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)" OF THE STANDARD SPECIFICATIONS.

PAY CODE	ITEM DESCRIPTION	CONTROL AND ACCEPTANCE METHOD
40603545	POLYMERIZED HMA SURFACE COURSE, MIX "D" N90	QCP

QCP - HOT MIX ASPHALT QUALITY CONTROL FOR PERFORMANCE

G.N.-440L (SPECIAL)

A PORTION OF THE HMA BEING MILLED FROM THIS PROJECT CONTAINS STEEL SLAG COARSE AGGREGATE. THIS RECYCLED ASPHALT PAVEMENT (RAP) MATERIAL WILL BE REQUIRED TO BE STOCKPILED SEPARATELY FROM OTHER RAP STOCKPILES. TESTING PER THE CURRENT REQUIREMENTS IN THE MANUAL OF TEST PROCEDURES FOR MATERIALS FOR DETERMINATION OF RAP AGGREGATE BULK SPECIFIC GRAVITY WILL BE REQUIRED PRIOR TO INCORPORATING THIS MATERIAL INTO ANY FUTURE HMA PROJECTS.

G.N.-442B - PATCHING SCHEDULES

THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

G.N.-667

THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR LAYOUT OF THESE MARKERS.

FILE NAME *	USER NAME : ceerlockbm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\ceerlockbm\d0385126\0	70470-shr-gannett\Spring Const.Fundel.dgn	DRAWN -	REVISED -			811	05 PATCH & RES 2014-2	CHAMPAIGN	45	3	
	PLOT SCALE * 40.0000 1/16"	CHECKED -	REVISED -			CONTRACT NO. 70A70					
	PLOT DATE * 4/7/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: N/A	SHEET NO. 1 OF 2 SHEETS		STA. -	TO STA. -		

G. N. -703A

SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G. N. -781

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

G. N. -886 (SPL)

EXISTING DETECTOR LOOPS IN THE AREAS OF PROPOSED SURFACE REMOVAL SHALL BE REPLACED PER THE EXISTING SIZE AND LOCATION EXCEPT AS NOTED IN THE PLANS. EXISTING DETECTOR LOOPS SHALL BE DISCONNECTED AT THE GULFBOX JUNCTION OR HANDHOLE PRIOR TO COLD MILLING AT THE RESPECTIVE LOCATION. NEW DETECTOR LOOPS SHALL BE CONNECTED TO THE RESPECTIVE EXISTING AMPLIFIER. IN GENERAL, ADVANCED DETECTOR LOOPS FOR DILEMMA GROUPED TOGETHER ON A COMMON AMPLIFIER AND PRESENCE LOOPS SHALL BE GROUPED BY LANE ON A COMMON AMPLIFIER UNLESS OTHERWISE NOTED IN THE PLANS.

WHERE IT IS NECESSARY TO INSTALL MORE THAN ONE LOOP HOMERUN IN A CONDUIT, HOMERUNS SHARING THE SAME CONDUIT SHALL BE ON A COMMON AMPLIFIER.

G. N. -1004.01

COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

THERE ARE NO COMMITMENTS ASSOCIATED WITH THIS PROJECT

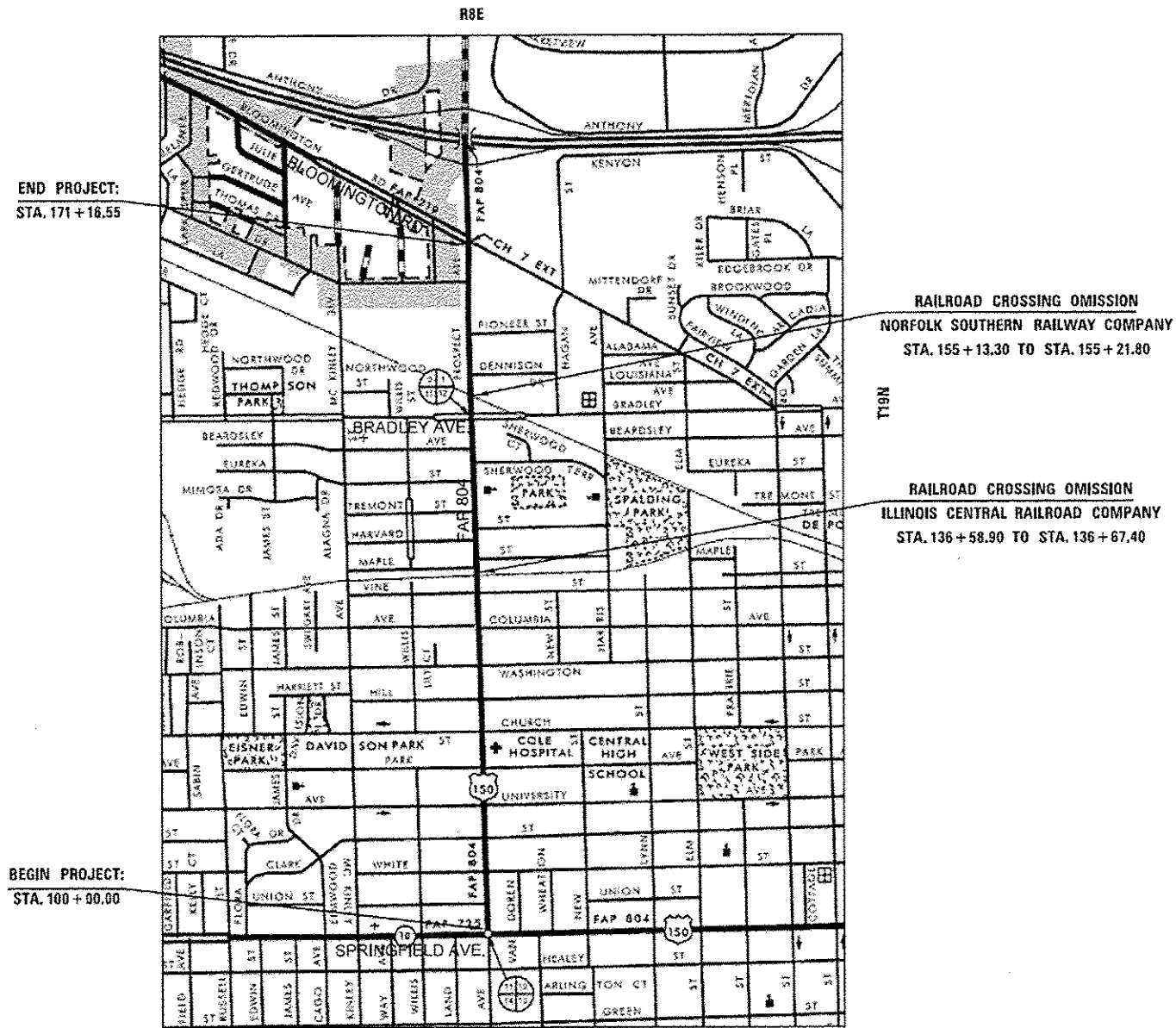
FILE NAME : c:\pwork\pwork\cearlockb\08389126\0	USER NAME : cearlockb 7DA70-INT\gannote\Spring_Const_Fund\ldgn	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE. 811	SECTION D5 PATCH & RES 2014-2	COUNTY CHAMPAIGN	TOTAL SHEETS 45	SHEET NO. 4		
	PLOT SCALE : 40,0000' / 1"	CHECKED -	REVISED -			SCALE: N/A	SHEET NO. 2 OF 2 SHEETS	STA. -	TO STA. -	CONTRACT NO. 70A70		
	PLOT DATE : 4/7/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						



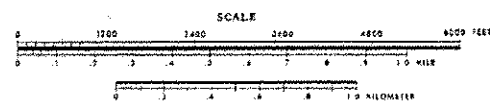
# LOCATION MAP #1 PROSPECT AVENUE CHAMPAIGN COUNTY

**CURRENT TRAFFIC DATA 2014**  
FAP 804 (PROSPECT AVE.) ADT = 21,100

**DESIGN DESIGNATION**  
N/A



SEE SCHEDULES FOR LOCATIONS OF IMPROVEMENTS



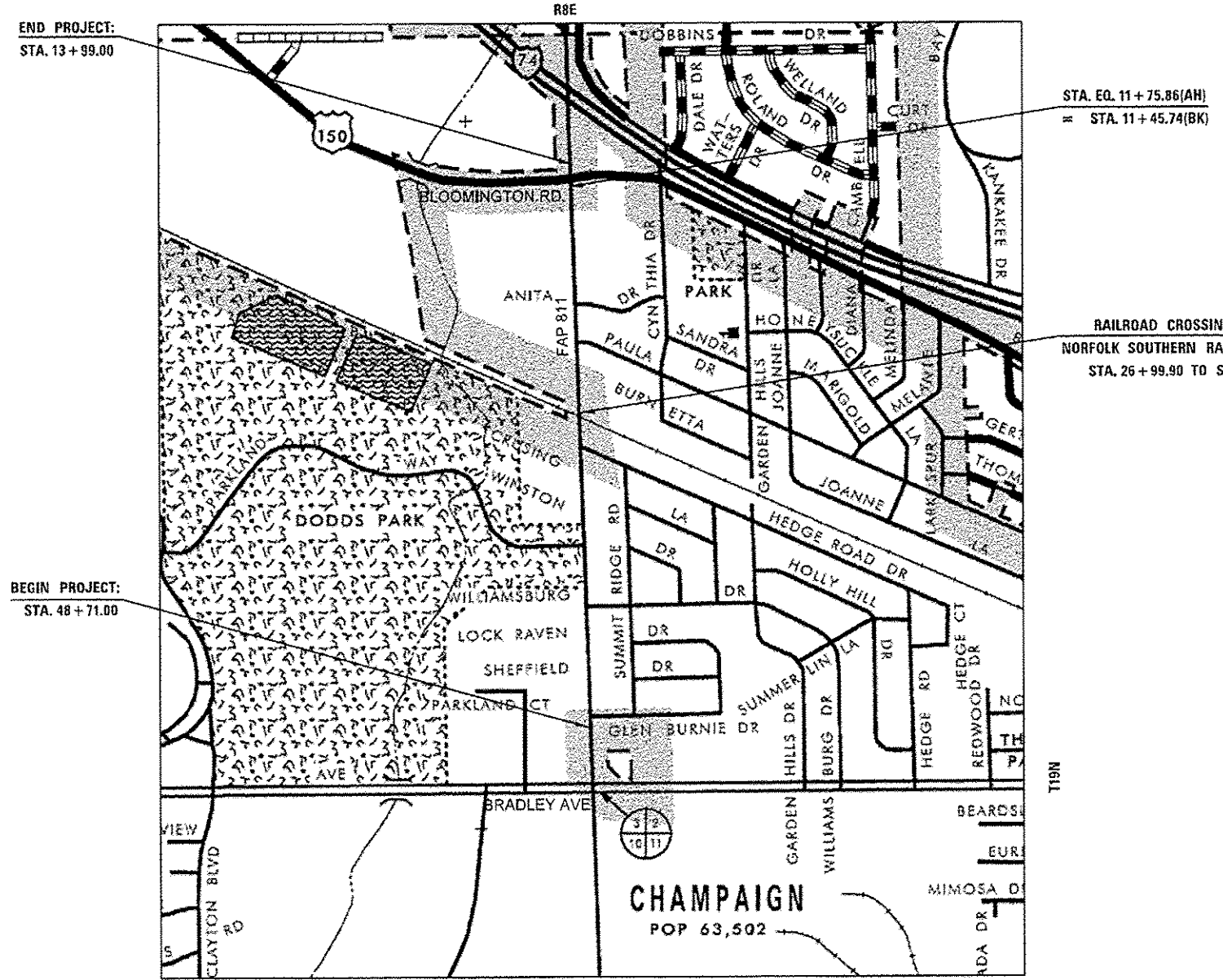
TOTAL LENGTH OF SECTION & PROJECT = 7116.55 FEET = 1.348 MILES  
NET LENGTH OF SECTION & PROJECT = 6390.00 FEET = 1.210 MILES

FILE NAME +	USER NAME + avusuglab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LOCATION MAP #1 PROSPECT AVENUE</b>			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\p\work\avusuglab\0205126\0512670-ent-coverlapping const. funda.dgn		DRAWN -	REVISED -		804	D5 PATCH & RES 2014-2	CHAMPAIGN	45	5			
		CHECKED -	REVISED -		SCALE: 1" = 4000'			SHEET 1 OF 2 SHEETS		STA. 48+71.00 TO STA. 13+99.00		
#MODELNAME#		DATE -	REVISED -		ILLINOISIFIED AID PROJECT							

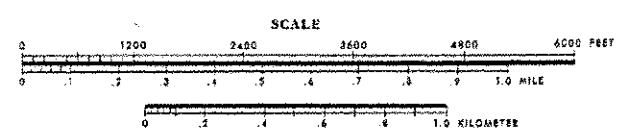
# LOCATION MAP #2 MATTIS AVENUE CHAMPAIGN COUNTY

**CURRENT TRAFFIC DATA 2013**  
FAP 811 (MATTIS AVE.) ADT = 21,400

**DESIGN DESIGNATION**  
N/A



SEE SCHEDULES FOR LOCATIONS OF IMPROVEMENTS



TOTAL LENGTH OF SECTION & PROJECT = 3948.40 FEET = 0.748 MILES  
NET LENGTH OF SECTION & PROJECT = 3937.35 FEET = 0.746 MILES

FILE NAME =	USER NAME = avuglob	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LOCATION MAP #2 MATTIS AVENUE</b>	F.A.P. RTE. 811	SECTION D5 PATCH & RES 2014-2	COUNTY CHAMPAIGN	TOTAL SHEETS 45	SHEET NO. 6
MODELNAME#	PLT DATE = 4/2/2014	CHECKED -	REVISED -		SCALE: SHEET 2 OF 2 SHEETS	STA. --- TO STA. ---		ILLINOIS FED. AID PROJECT CONTRACT NO. 70A70		

# SUMMARY OF QUANTITIES

LOCATION OF WORK:	LOCATION #1 FAP 804 (PROSPECT AVE.) CHAMPAIGN COUNTY VARIOUS URBAN	LOCATION #2 FAP 811 (MATTIS AVE.) CHAMPAIGN COUNTY (STA. 48+71.00 TO STA. 13+99.00) URBAN
FUNDING BREAKOUT:	100% STATE	100% STATE
CONSTRUCTION CODE:	0005	0005

PAY ITEM CODE	PAY ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY	QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,507.0	1,180.0	1,327.0
40600300	AGGREGATE (PRIME COAT)	TON	51.0	24.0	27.0
40600990	TEMPORARY RAMP	SQ. YD.	628.0	432.0	196.0
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	3,964.0	991.0	2,973.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ. YD.	11,794.0	11,794.0	-
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ. YD.	23,176.0	-	23,176.0
44201777	CLASS "D" PATCHES, TYPE II, 11 INCH	SQ. YD.	67.0	-	67.0
44201789	CLASS "D" PATCHES, TYPE II, 12 INCH	SQ. YD.	80.0	-	80.0
56109210	WATER VALVES TO BE ADJUSTED	EACH	1.0	-	1.0
60255500	MANHOLES TO BE ADJUSTED	EACH	12.0	-	12.0
67100100	MOBILIZATION	L SUM	1.0	0.5	0.5
70102625	TRAFFIC CONTROL AND PROTECTION 701606	L SUM	1.0	1.0	-
70102632	TRAFFIC CONTROL AND PROTECTION 701602	L SUM	1.0	0.5	0.5
70102635	TRAFFIC CONTROL AND PROTECTION 701701	L SUM	1.0	0.5	0.5

# SUMMARY OF QUANTITIES

LOCATION OF WORK:	LOCATION #1	LOCATION #2
	FAP 804 (PROSPECT AVE.)	FAP 811 (MATTIS AVE.)
	CHAMPAIGN COUNTY	CHAMPAIGN COUNTY
	VARIOUS	(STA. 48+71.00 TO STA. 13+99.00)
	URBAN	URBAN
FUNDING BREAKOUT:	100% STATE	100% STATE
CONSTRUCTION CODE:	0005	0005

PAY ITEM CODE	PAY ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY	QUANTITY
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4,677.0	1,558.0	3,119.0
70300210	TEMPORARY PAVEMENT MARKING LETTERS & SYMBOLS	SQ. FT.	1,026.0	-	1,026.0
70300220	TEMPORARY PAVEMENT MARKING LINE 4"	FOOT	14,695.0	4,173.0	10,522.0
70300240	TEMPORARY PAVEMENT MARKING LINE 6"	FOOT	656.0	119.0	537.0
70300260	TEMPORARY PAVEMENT MARKING LINE 12"	FOOT	38.0	-	38.0
70300280	TEMPORARY PAVEMENT MARKING LINE 24"	FOOT	417.0	24.0	393.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ. FT.	6,920.0	260.0	6,660.0
* 78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS & SYMBOLS	SQ. FT.	1,026.0	-	1,026.0
* 78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	2,966.0	-	2,966.0
* 78009004	MODIFIED URETHANE PAVEMENT MARKING LINE 4"	FOOT	12,981.0	4,173.0	8,808.0
* 78009006	MODIFIED URETHANE PAVEMENT MARKING LINE 6"	FOOT	656.0	119.0	537.0
* 78009012	MODIFIED URETHANE PAVEMENT MARKING LINE 12"	FOOT	38.0	-	38.0
* 78009024	MODIFIED URETHANE PAVEMENT MARKING LINE 24"	FOOT	417.0	24.0	393.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	333.0	44.0	289.0

\* SPECIALTY ITEM

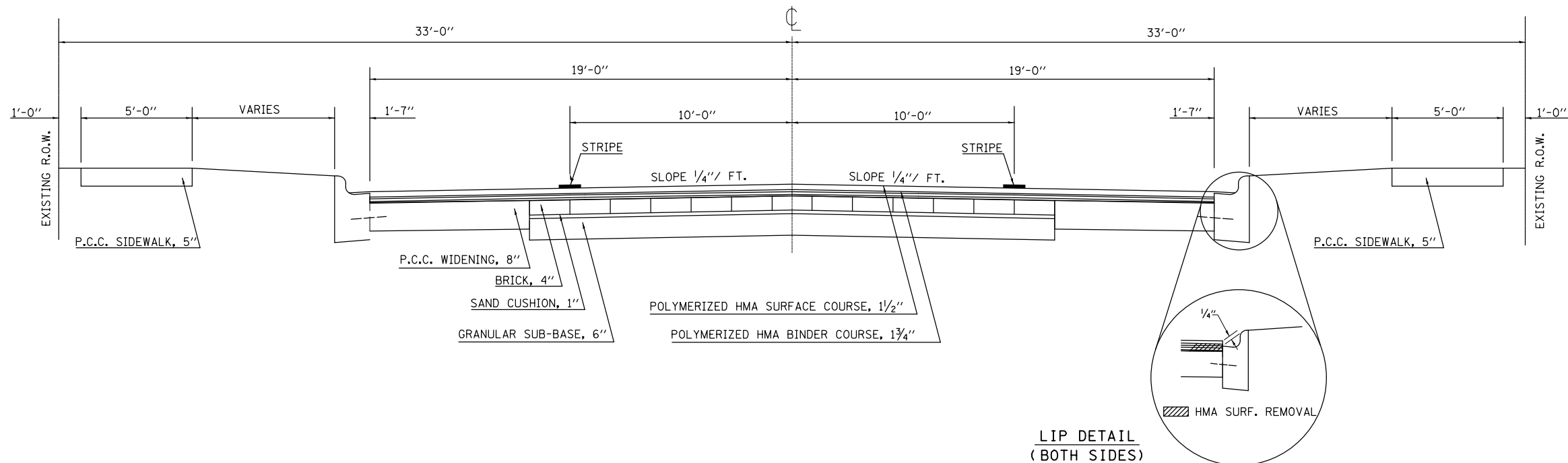
FILE NAME =	USER NAME = avuglab	DESIGNED BMC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
el\p\work\p\dot\avuglab\0209126\09	0073-ans-800\Spring Const. Fund\dgn	DRAWN BMC	REVISED -			811	05 PATCH & RES 2014-2	CHAMPAIGN	45	8	
	PLOT SCALE = 40.0000' / 1"	CHECKED -	REVISED -			SCALE: -		SHEET NO. 2 OF 3 SHEETS		STA. -	TO STA. -
	PLOT DATE = 4/3/2014	DATE 11-29-10	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
						CONTRACT NO. 70A70					





# EXISTING TYPICAL CROSS SECTION ①

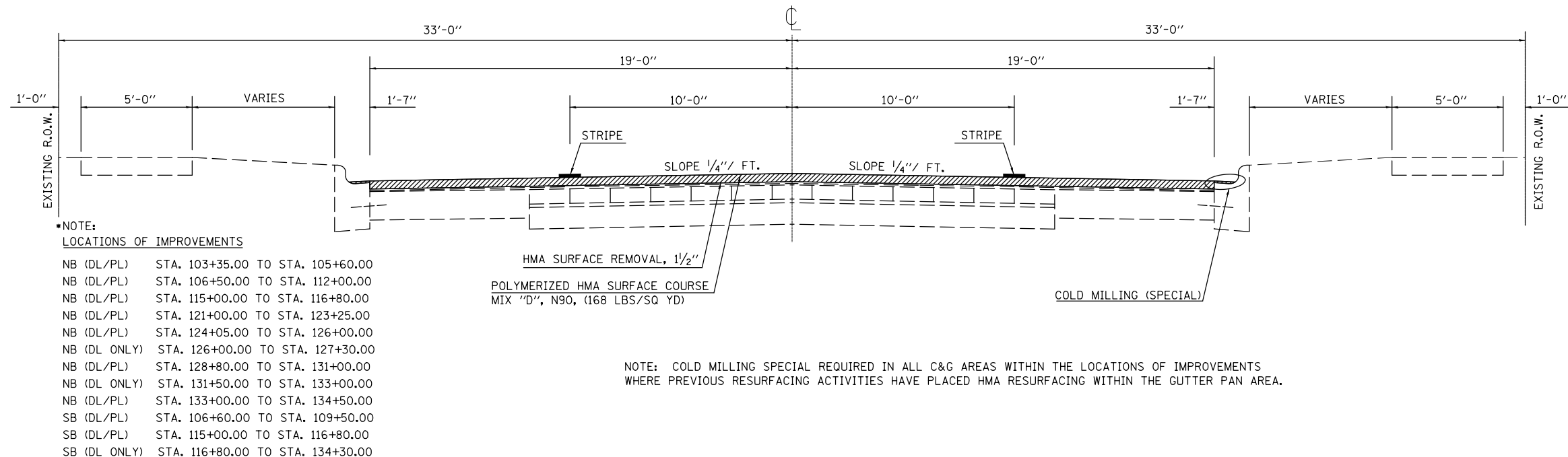
LOCATION #1 (PROSPECT AVENUE)  
 STATION TO STATION  
 102+82.00 136+70.50 ②



# PROPOSED TYPICAL CROSS SECTION ①

LOCATION #1 (PROSPECT AVENUE)  
 STATION TO STATION  
 102+82.00 136+70.50 ②

NOTE: 1. PROPOSED WORK ENDS AT STA. 134+50.00.  
 2. NO WORK IS PROPOSED WITHIN 200 PLUS OR MINUS OF THE EXISTING RAILROAD CROSSING.



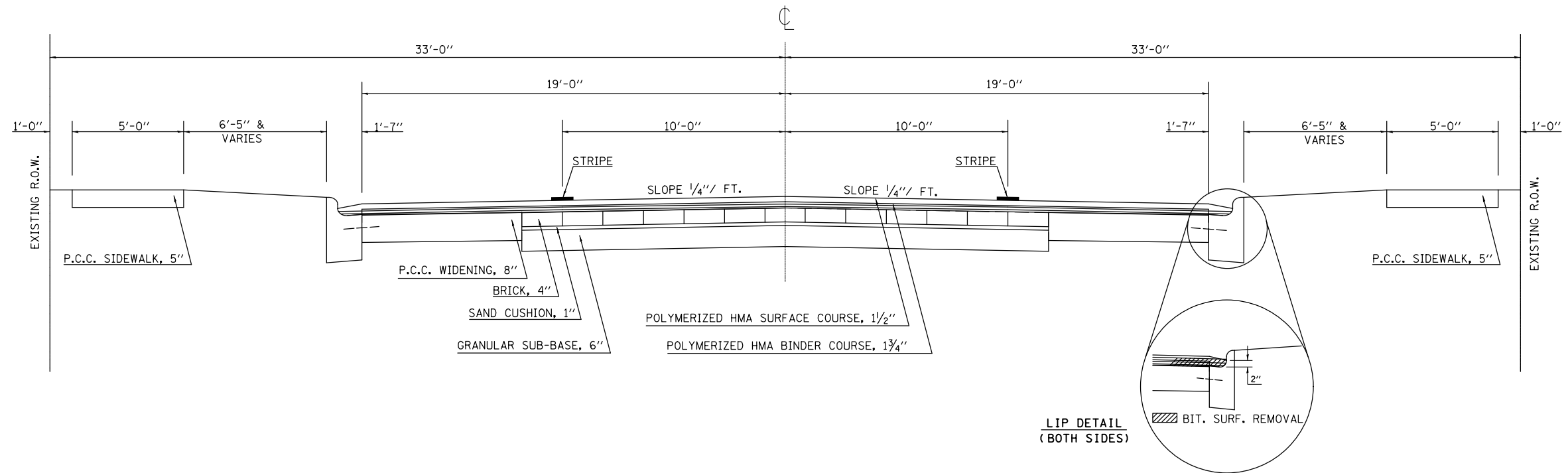
•NOTE:  
 LOCATIONS OF IMPROVEMENTS

NB (DL/PL)	STA. 103+35.00 TO STA. 105+60.00
NB (DL/PL)	STA. 106+50.00 TO STA. 112+00.00
NB (DL/PL)	STA. 115+00.00 TO STA. 116+80.00
NB (DL/PL)	STA. 121+00.00 TO STA. 123+25.00
NB (DL/PL)	STA. 124+05.00 TO STA. 126+00.00
NB (DL ONLY)	STA. 126+00.00 TO STA. 127+30.00
NB (DL/PL)	STA. 128+80.00 TO STA. 131+00.00
NB (DL ONLY)	STA. 131+50.00 TO STA. 133+00.00
NB (DL/PL)	STA. 133+00.00 TO STA. 134+50.00
SB (DL/PL)	STA. 106+60.00 TO STA. 109+50.00
SB (DL/PL)	STA. 115+00.00 TO STA. 116+80.00
SB (DL ONLY)	STA. 116+80.00 TO STA. 134+30.00

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED TYPICAL CROSS SECTIONS LOCATION #1 - PROSPECT AVE.</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\id\avusuglob\d0385126\0570470-sh-typical\Spring Const.Fund\dgn	DRAWN -	REVISED -	804			D5 PATCH & RES 2014-2	CHAMPAIGN	45	10	
PLLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 70A70							
*MODELNAME#	DATE -	REVISED -	SCALE: N/A			SHEET 1 OF 5 SHEETS	STA. 102+82.00 TO STA. 136+70.50	ILLINOIS FED. AID PROJECT		

## EXISTING TYPICAL CROSS SECTION ②

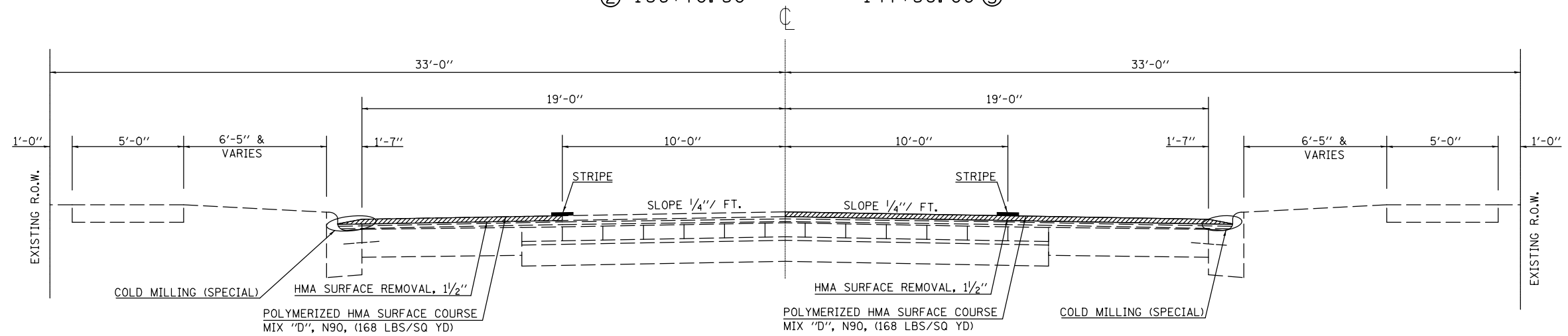
LOCATION #1 (PROSPECT AVENUE)  
 STATION TO STATION  
 ② 136+70.50 TO 147+58.00 ③



## PROPOSED TYPICAL CROSS SECTION ②

LOCATION #1 (PROSPECT AVENUE)  
 STATION TO STATION  
 ② 136+70.50 TO 147+58.00 ③

NOTE: PROPOSED WORK BEGINS AT STA. 138+70.00.



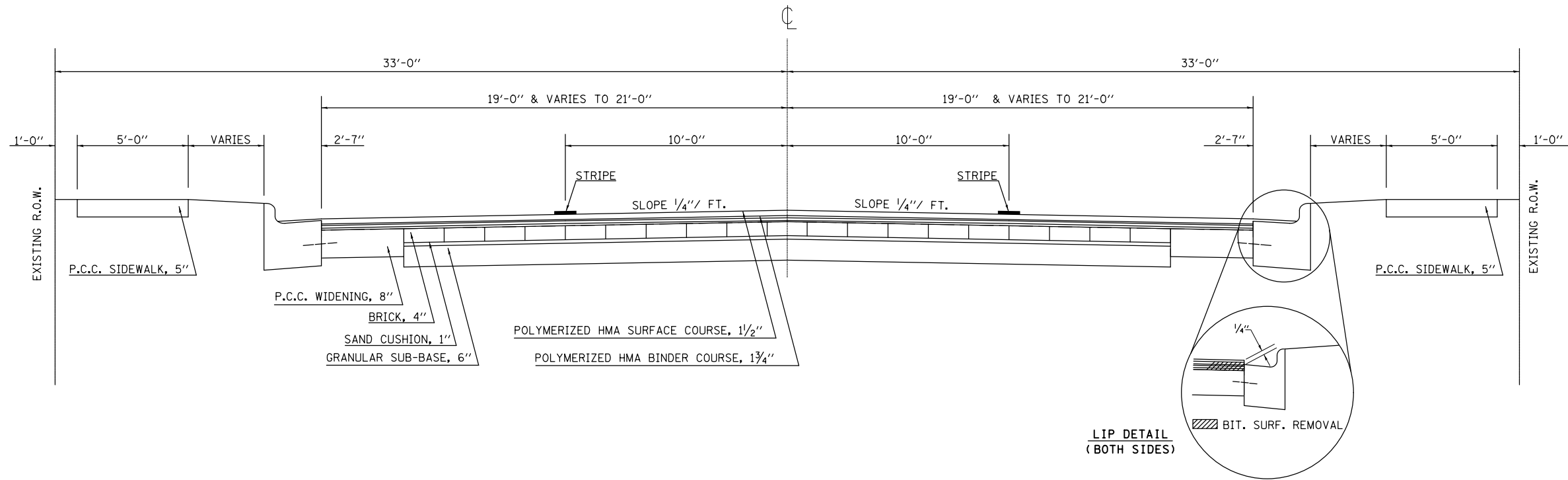
•NOTE:  
 LOCATIONS OF IMPROVEMENTS  
 NB (DL/PL) STA. 138+70.00 TO STA. 141+00.00  
 SB (DL ONLY) STA. 140+50.00 TO STA. 143+70.00

NOTE: COLD MILLING SPECIAL REQUIRED IN ALL C&G AREAS WITHIN THE LOCATIONS OF IMPROVEMENTS WHERE PREVIOUS RESURFACING ACTIVITIES HAVE PLACED HMA RESURFACING WITHIN THE GUTTER PAN AREA.

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED TYPICAL CROSS SECTIONS LOCATION #1 - PROSPECT AVE.</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\avusuglob\d0385126\0570470-sh-typical\Spring_Const.Fund\dgn		DRAWN -	REVISED -			804	D5 PATCH & RES 2014-2	CHAMPAIGN	45	11
#MODELNAME#	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE: N/A	SHEET 2 OF 5 SHEETS		STA. 136+70.50 TO STA. 147+58.00	ILLINOIS FED. AID PROJECT	
	PLOT DATE = 4/3/2014	DATE -	REVISED -					CONTRACT NO. 70A70		

### EXISTING TYPICAL CROSS SECTION ③

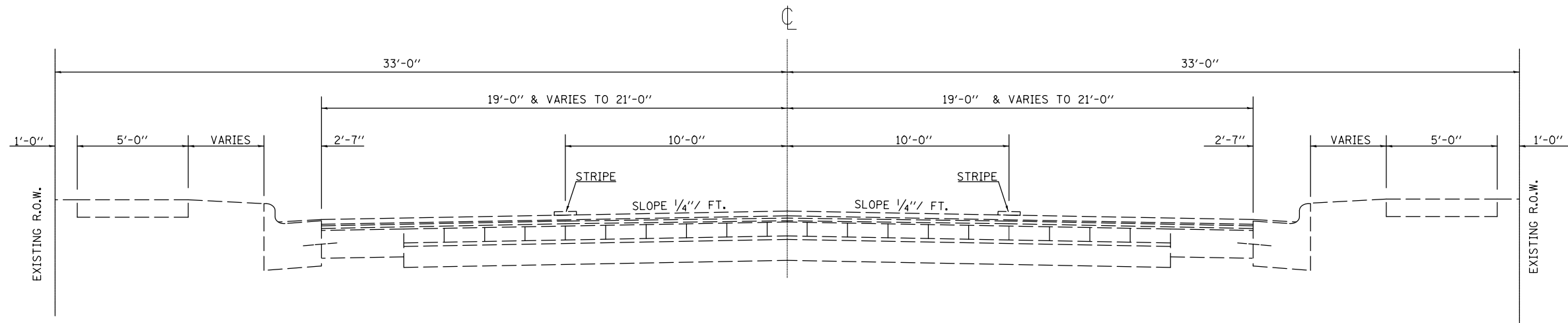
LOCATION #1 (PROSPECT AVENUE)  
 STATION TO STATION  
 ② 147+58.00 TO 148+13.50 ④



### PROPOSED TYPICAL CROSS SECTION ③

LOCATION #1 (PROSPECT AVENUE)  
 STATION TO STATION  
 ② 147+58.00 TO 148+13.50 ④

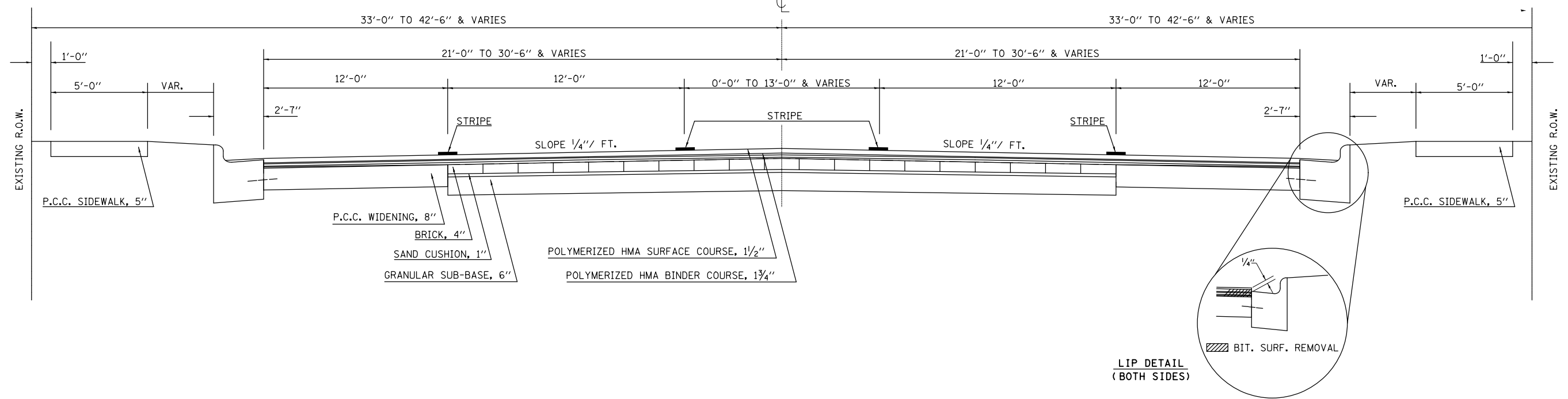
NOTE: NO PROPOSED WORK IS WITHIN THIS STATION RANGE.



FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED TYPICAL CROSS SECTIONS LOCATION #1 - PROSPECT AVE.</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw\work\p\dot\avusuglob\0385126\0570470-sh-t-typicals\Spring Const. Fund\dgn		DRAWN -	REVISED -			804	D5 PATCH & RES 2014-2	CHAMPAIGN	45	12	
		CHECKED -	REVISED -			CONTRACT NO. 70A70					
*MODELNAME#	PLOT DATE = 4/3/2014	DATE -	REVISED -			SCALE: N/A	SHEET 3 OF 5 SHEETS	STA. 147+58.00 TO STA. 148+13.50	ILLINOIS FED. AID PROJECT		

## EXISTING TYPICAL CROSS SECTION ④

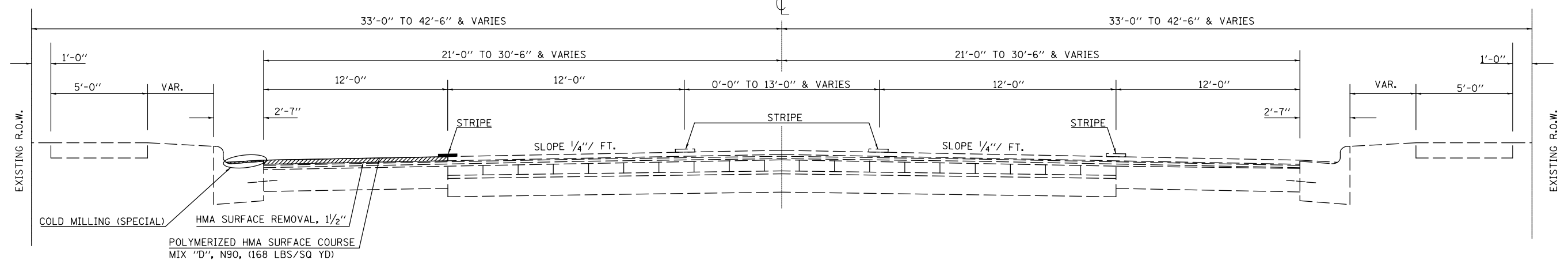
LOCATION #1 (PROSPECT AVENUE)  
 STATION TO STATION  
 ⑤ 148+13.50 TO 155+13.30 (RAILROAD OMISSION)  
 (RAILROAD OMISSION) 155+21.80 TO 157+66.50 ⑤



## PROPOSED TYPICAL CROSS SECTION ④

LOCATION #1 (PROSPECT AVENUE)  
 STATION TO STATION  
 ⑤ 148+13.50 TO 155+13.30 (RAILROAD OMISSION)  
 (RAILROAD OMISSION) 155+21.80 TO 157+66.50 ⑤

NOTE: 1. PROPOSED WORK BEGINS AT STA. 157+55.00.  
 2. NO WORK IS PROPOSED WITHIN 200 PLUS OR MINUS OF THE EXISTING RAILROAD CROSSING.



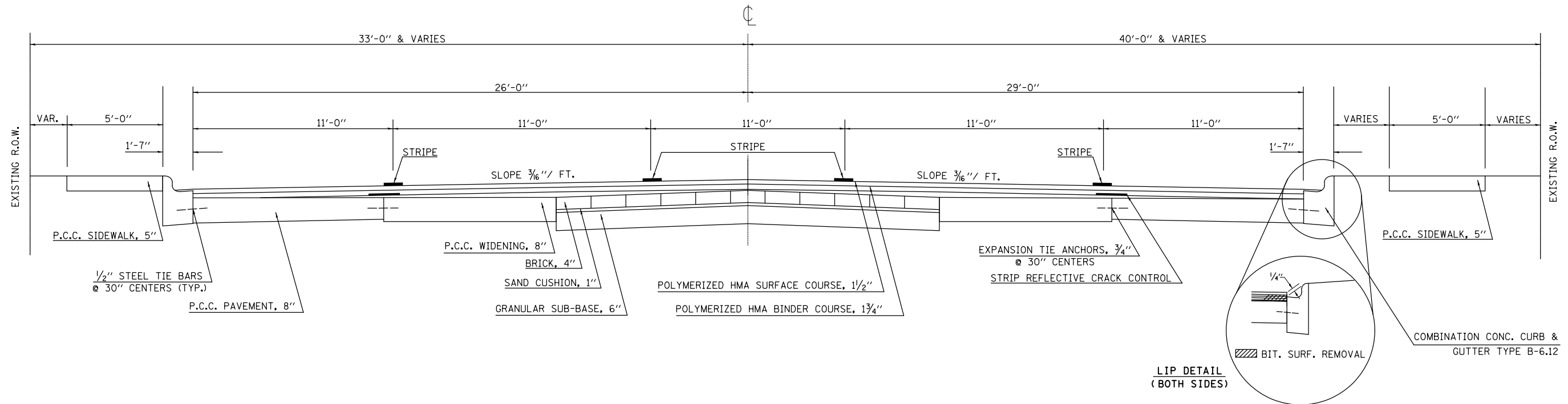
•NOTE:  
 LOCATIONS OF IMPROVEMENTS  
 SB (DL ONLY) STA. 157+55.00 TO STA. 166+45.00

NOTE: COLD MILLING SPECIAL REQUIRED IN ALL C&G AREAS WITHIN THE LOCATIONS OF IMPROVEMENTS WHERE PREVIOUS RESURFACING ACTIVITIES HAVE PLACED HMA RESURFACING WITHIN THE GUTTER PAN AREA.

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED TYPICAL CROSS SECTIONS LOCATION #1 - PROSPECT AVE.</b>	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	et:\pwork\pwork\avusuglob\d0385126\0570A70-sh-typical\Spring Const.Fund\dgn	DRAWN -	REVISED -			804	D5 PATCH & RES 2014-2	CHAMPAIGN	45	13	
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 70A70					
#MODELNAME#	PLOT DATE = 4/3/2014	DATE -	REVISED -			SCALE: N/A	SHEET 4 OF 5 SHEETS	STA.148+13.50 TO STA.157+66.50	ILLINOIS FED. AID PROJECT		

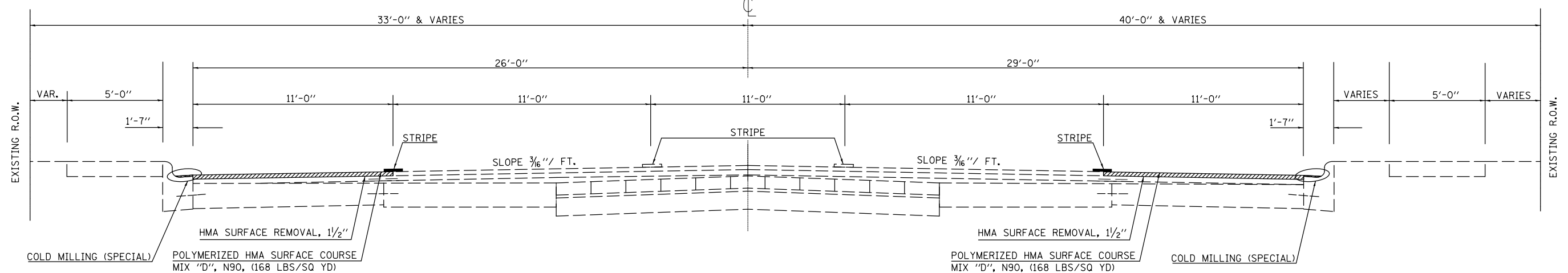
## EXISTING TYPICAL CROSS SECTION ⑤

LOCATION #1 (PROSPECT AVENUE)  
 STATION TO STATION  
 ④ 157+66.50 TO 166+56.59



## PROPOSED TYPICAL CROSS SECTION ⑤

LOCATION #1 (PROSPECT AVENUE)  
 STATION TO STATION  
 ④ 157+66.50 TO 166+56.59



•NOTE:  
 LOCATIONS OF IMPROVEMENTS  
 NB (DL ONLY) STA. 157+70.00 TO STA. 161+30.00  
 NB (DL ONLY) STA. 163+10.00 TO STA. 166+45.00  
 SB (DL ONLY) STA. 157+55.00 TO STA. 166+45.00

NOTE: COLD MILLING SPECIAL REQUIRED IN ALL C&G AREAS WITHIN THE LOCATIONS OF IMPROVEMENTS  
 WHERE PREVIOUS RESURFACING ACTIVITIES HAVE PLACED HMA RESURFACING WITHIN THE GUTTER PAN AREA.

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING AND PROPOSED TYPICAL CROSS SECTIONS LOCATION #1 - PROSPECT AVE.</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw\work\p\dot\avusuglob\d0385126\0570A70-sh-t-typicals\Spring Const.Fund\dgn	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -			804	D5 PATCH & RES 2014-2	CHAMPAIGN	45	14	
*MODELNAME*	PLOT DATE = 4/3/2014	CHECKED -	REVISED -			CONTRACT NO. 70A70					
						SCALE: N/A	SHEET 5 OF 5 SHEETS	STA. 157+66.50 TO STA. 166+56.59		ILLINOIS FED. AID PROJECT	

# SCHEDULE OF QUANTITIES

LOCATION #1  
(PROSPECT AVE.)

40600100 BITUMINOUS MATERIALS (PRIME COAT)										
DIRECTION	STATION	TO	STATION	DRIVING LANE	PASSING LANE	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	RATE 0.1 GAL PER SQ YD	(GALLON)
NB	103+35.00		105+60.00	12	12	225.0	24.0	600.0	0.1	60.0
NB	106+50.00		112+00.00	12	12	550.0	24.0	1,466.7	0.1	146.7
SB	106+50.00		109+50.00	12	12	300.0	24.0	800.0	0.1	80.0
NB	115+00.00		116+80.00	12	12	180.0	24.0	480.0	0.1	48.0
SB	115+00.00		116+80.00	12	12	180.0	24.0	480.0	0.1	48.0
SB	116+80.00		134+30.00	12		1,750.0	12.0	2,333.3	0.1	233.3
NB	121+00.00		123+25.00	12	12	225.0	24.0	600.0	0.1	60.0
NB	124+05.00		126+00.00	12	12	195.0	24.0	520.0	0.1	52.0
NB	126+00.00		127+30.00	12		130.0	12.0	173.3	0.1	17.3
NB	128+80.00		131+00.00	12	12	220.0	24.0	586.7	0.1	58.7
NB	131+50.00		133+00.00	12		150.0	12.0	200.0	0.1	20.0
NB	133+00.00		134+50.00	12	12	150.0	24.0	400.0	0.1	40.0
NB	138+70.00		141+00.00	12	12	230.0	24.0	613.3	0.1	61.3
SB	140+50.00		143+70.00	12		320.0	12.0	426.7	0.1	42.7
SB	157+55.00		166+45.00	12		890.0	12.0	1,186.7	0.1	118.7
NB	157+70.00		161+30.00	12		360.0	12.0	480.0	0.1	48.0
NB	163+10.00		166+45.00	12		335.0	12.0	446.7	0.1	44.7
TOTAL =										1,179.3
USE =										1,180.0

40600300 AGGREGATE (PRIME COAT)									
DIRECTION	STATION	TO	STATION	DRIVING LANE	PASSING LANE	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	(TON)
NB	103+35.00		105+60.00	12	12	225.0	24.0	600.0	1.2
NB	106+50.00		112+00.00	12	12	550.0	24.0	1,466.7	2.9
SB	106+50.00		109+50.00	12	12	300.0	24.0	800.0	1.6
NB	115+00.00		116+80.00	12	12	180.0	24.0	480.0	1.0
SB	115+00.00		116+80.00	12	12	180.0	24.0	480.0	1.0
SB	116+80.00		134+30.00	12		1,750.0	12.0	2,333.3	4.7
NB	121+00.00		123+25.00	12	12	225.0	24.0	600.0	1.2
NB	124+05.00		126+00.00	12	12	195.0	24.0	520.0	1.0
NB	126+00.00		127+30.00	12		130.0	12.0	173.3	0.3
NB	128+80.00		131+00.00	12	12	220.0	24.0	586.7	1.2
NB	131+50.00		133+00.00	12		150.0	12.0	200.0	0.4
NB	133+00.00		134+50.00	12	12	150.0	24.0	400.0	0.8
NB	138+70.00		141+00.00	12	12	230.0	24.0	613.3	1.2
SB	140+50.00		143+70.00	12		320.0	12.0	426.7	0.9
SB	157+55.00		166+45.00	12		890.0	12.0	1,186.7	2.4
NB	157+70.00		161+30.00	12		360.0	12.0	480.0	1.0
NB	163+10.00		166+45.00	12		335.0	12.0	446.7	0.9
23.6									
24.0									

# SCHEDULE OF QUANTITIES

40600990 TEMPORARY RAMP								
LOCATION	STATION	TO	STATION	DRIVING LANE	PASSING LANE	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
NB	103+35.00		105+60.00	12	12	12.00	24.0	32.0
NB	106+50.00		112+00.00	12	12	12.00	24.0	32.0
SB	106+50.00		109+50.00	12	12	12.00	24.0	32.0
NB	115+00.00		116+80.00	12	12	12.00	24.0	32.0
SB	115+00.00		116+80.00	12	12	12.00	24.0	32.0
SB	116+80.00		134+30.00	12		12.00	12.0	16.0
NB	121+00.00		123+25.00	12	12	12.00	24.0	32.0
NB	124+05.00		126+00.00	12	12	12.00	24.0	32.0
NB	126+00.00		127+30.00	12		12.00	12.0	16.0
NB	128+80.00		131+00.00	12	12	12.00	24.0	32.0
NB	131+50.00		133+00.00	12		12.00	12.0	16.0
NB	133+00.00		134+50.00	12	12	12.00	24.0	32.0
NB	138+70.00		141+00.00	12	12	12.00	24.0	32.0
SB	140+50.00		143+70.00	12		12.00	12.0	16.0
SB	157+55.00		166+45.00	12		12.00	12.0	16.0
NB	157+70.00		161+30.00	12		12.00	12.0	16.0
NB	163+10.00		166+45.00	12		12.00	12.0	16.0
TOTAL =								432.0
USE =								432.0

40603545 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N90									
LOCATION	STATION	TO	STATION	DRIVING LANE	PASSING LANE	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	(TON)
NB	103+35.00		105+60.00	12	12	225.0	24.0	600.0	50.4
NB	106+50.00		112+00.00	12	12	550.0	24.0	1,466.7	123.2
SB	106+50.00		109+50.00	12	12	300.0	24.0	800.0	67.2
NB	115+00.00		116+80.00	12	12	180.0	24.0	480.0	40.3
SB	115+00.00		116+80.00	12	12	180.0	24.0	480.0	40.3
SB	116+80.00		134+30.00	12		1,750.0	12.0	2,333.3	196.0
NB	121+00.00		123+25.00	12	12	225.0	24.0	600.0	50.4
NB	124+05.00		126+00.00	12	12	195.0	24.0	520.0	43.7
NB	126+00.00		127+30.00	12		130.0	12.0	173.3	14.6
NB	128+80.00		131+00.00	12	12	220.0	24.0	586.7	49.3
NB	131+50.00		133+00.00	12		150.0	12.0	200.0	16.8
NB	133+00.00		134+50.00	12	12	150.0	24.0	400.0	33.6
NB	138+70.00		141+00.00	12	12	230.0	24.0	613.3	51.5
SB	140+50.00		143+70.00	12		320.0	12.0	426.7	35.8
SB	157+55.00		166+45.00	12		890.0	12.0	1,186.7	99.7
NB	157+70.00		161+30.00	12		360.0	12.0	480.0	40.3
NB	163+10.00		166+45.00	12		335.0	12.0	446.7	37.5
TOTAL =								990.6	
USE =								991.0	



# SCHEDULE OF QUANTITIES

44000155 HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"								
LOCATION	STATION	TO	STATION	DRIVING LANE	PASSING LANE	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)
NB	103+35.00		105+60.00	12	12	225.0	24.0	600.0
NB	106+50.00		112+00.00	12	12	550.0	24.0	1,466.7
SB	106+50.00		109+50.00	12	12	300.0	24.0	800.0
NB	115+00.00		116+80.00	12	12	180.0	24.0	480.0
SB	115+00.00		116+80.00	12	12	180.0	24.0	480.0
SB	116+80.00		134+30.00	12		1,750.0	12.0	2,333.3
NB	121+00.00		123+25.00	12	12	225.0	24.0	600.0
NB	124+05.00		126+00.00	12	12	195.0	24.0	520.0
NB	126+00.00		127+30.00	12		130.0	12.0	173.3
NB	128+80.00		131+00.00	12	12	220.0	24.0	586.7
NB	131+50.00		133+00.00	12		150.0	12.0	200.0
NB	133+00.00		134+50.00	12	12	150.0	24.0	400.0
NB	138+70.00		141+00.00	12	12	230.0	24.0	613.3
SB	140+50.00		143+70.00	12		320.0	12.0	426.7
SB	157+55.00		166+45.00	12		890.0	12.0	1,186.7
NB	157+70.00		161+30.00	12		360.0	12.0	480.0
NB	163+10.00		166+45.00	12		335.0	12.0	446.7
TOTAL =								11,793.3
USE =								11,794.0

70300100 SHORT TERM PAVEMENT MARKING								
LOCATION	STATION	TO	STATION	DRIVING LANE	PASSING LANE	LENGTH (FOOT)	NO. OF APPLICATION (MILLING/SURFACE)	LENGTH (FOOT)
NB	103+35.00		105+60.00	12	12	225.0	2	53.0
NB	106+50.00		112+00.00	12	12	550.0	2	118.0
SB	106+50.00		109+50.00	12	12	300.0	2	68.0
NB	115+00.00		116+80.00	12	12	180.0	2	44.0
SB	115+00.00		116+80.00	12	12	180.0	2	44.0
SB	116+80.00		134+30.00	12		1,750.0	2	358.0
NB	121+00.00		123+25.00	12	12	225.0	2	53.0
NB	124+05.00		126+00.00	12	12	195.0	2	47.0
NB	126+00.00		127+30.00	12		130.0	2	34.0
NB	128+80.00		131+00.00	12	12	220.0	2	52.0
NB	131+50.00		133+00.00	12		150.0	2	38.0
NB	133+00.00		134+50.00	12	12	150.0	2	38.0
NB	138+70.00		141+00.00	12	12	230.0	2	54.0
SB	140+50.00		143+70.00	12		320.0	2	72.0
SB	157+55.00		166+45.00	12		890.0	2	186.0
NB	157+70.00		161+30.00	12		360.0	2	80.0
NB	163+10.00		166+45.00	12		335.0	2	75.0
STOP BARS AT CHURCH ST.				=	24	(= 3 STRIPS OF 4")	2	144.0
TOTAL =								1,558.0
USE =								1,558.0

# SCHEDULE OF QUANTITIES

70301000 WORK ZONE PAVEMENT MARKING REMOVAL							
LOCATION	STATION	TO	STATION	LENGTH (FOOT)	NO. OF APPLICATION (SURFACE ONLY)	(FOOT)	AREA (SQ FT)
NB	103+35.00		105+60.00	225.0	1	26.5	8.8
NB	106+50.00		112+00.00	550.0	1	59.0	19.6
SB	106+50.00		109+50.00	300.0	1	34.0	11.3
NB	115+00.00		116+80.00	180.0	1	22.0	7.3
SB	115+00.00		116+80.00	180.0	1	22.0	7.3
SB	116+80.00		134+30.00	1,750.0	1	179.0	59.6
NB	121+00.00		123+25.00	225.0	1	26.5	8.8
NB	124+05.00		126+00.00	195.0	1	23.5	7.8
NB	126+00.00		127+30.00	130.0	1	17.0	5.7
NB	128+80.00		131+00.00	220.0	1	26.0	8.7
NB	131+50.00		133+00.00	150.0	1	19.0	6.3
NB	133+00.00		134+50.00	150.0	1	19.0	6.3
NB	138+70.00		141+00.00	230.0	1	27.0	9.0
SB	140+50.00		143+70.00	320.0	1	36.0	12.0
SB	157+55.00		166+45.00	890.0	1	93.0	31.0
NB	157+70.00		161+30.00	360.0	1	40.0	13.3
NB	163+10.00		166+45.00	335.0	1	37.5	12.5
STOP BARS AT CHURCH ST.				24.0	1	72.0	24.0
TOTAL =							259.4
USE =							260.0

78009004 MODIFIED URETHANE PAVEMENT MARKING LINE 4"								78100100	78300200
LOCATION	STATION	TO	STATION	LENGTH (FOOT)	NO. OF APPLICATION	YELLOW (SKIP-DASH) (FOOT)	YELLOW SOLID (NO PASSING) (FOOT)	RRPM AMBER (EACH)	RRPM REMOVAL (EACH)
NB	103+35.00		105+60.00	225.0	1.0	56.3	225.0	4.0	4.0
NB	106+50.00		112+00.00	550.0	1.0	137.5	550.0	8.0	8.0
SB	106+50.00		109+50.00	300.0	2.0	150.0	300.0	5.0	5.0
NB	115+00.00		116+80.00	180.0	1.0	45.0	180.0	4.0	4.0
SB	115+00.00		116+80.00	180.0	2.0	90.0	180.0	4.0	4.0
SB	116+80.00		134+30.00	1,750.0	1.0	437.5			
NB	121+00.00		123+25.00	225.0	1.0	56.3	225.0	4.0	4.0
NB	124+05.00		126+00.00	195.0	1.0	48.8	195.0	4.0	4.0
NB	126+00.00		127+30.00	130.0	1.0	32.5			
NB	128+80.00		131+00.00	220.0	1.0	55.0	220.0	4.0	4.0
NB	131+50.00		133+00.00	150.0	1.0	37.5			
NB	133+00.00		134+50.00	150.0	1.0	37.5	150.0	3.0	3.0
NB	138+70.00		141+00.00	230.0	1.0	57.5	230.0	4.0	4.0
SB	140+50.00		143+70.00	320.0	1.0	80.0			
SB	157+55.00		166+45.00	890.0	1.0	222.5			
NB	157+70.00		161+30.00	360.0	1.0	90.0			
NB	163+10.00		166+45.00	335.0	1.0	83.8			
SUB-TOTAL =						1,717.5	2,455.0	44.0	44.0
USE =						1,718.0	2,455.0	44.0	44.0
TOTAL YELLOW =						4173.00			
							TOTAL RRPM =	44.0	

NOTE: ITEM 70300220 - TEMPORARY PAVEMENT MARKING, LINE 4" QUANTITIES ARE EQUAL TO ITEM 78009004 QUANTITY.

# SCHEDULE OF QUANTITIES

78009006 MODIFIED URETHANE PAVEMENT MARKING LINE 6"			
STATION	TO	STATION	LENGTH (FOOT)
CROSS WALK AT CHURCH ST. FROM AS BUILTS			119.0
TOTAL =			119.0
USE =			119.0

NOTE: ITEM 70300240 - TEMPORARY PAVEMENT MARKING, LINE 6"  
QUANTITIES ARE EQUAL TO ITEM 78009006 QUANTITY.

Z0010900 COLD MILLING (SPECIAL)				
LOCATION	STATION	TO	STATION	LENGTH (FOOT)
NB	103+35.00		105+60.00	225.0
NB	106+50.00		112+00.00	550.0
SB	106+50.00		109+50.00	300.0
NB	115+00.00		116+80.00	180.0
SB	115+00.00		116+80.00	180.0
SB	116+80.00		134+30.00	1,750.0
NB	121+00.00		123+25.00	225.0
NB	124+05.00		126+00.00	195.0
NB	126+00.00		127+30.00	130.0
NB	128+80.00		131+00.00	220.0
NB	131+50.00		133+00.00	150.0
NB	133+00.00		134+50.00	150.0
NB	138+70.00		141+00.00	230.0
SB	140+50.00		143+70.00	320.0
SB	157+55.00		166+45.00	890.0
NB	157+70.00		161+30.00	360.0
TOTAL =				6,055.0
USE =				6,055.0

78009024 MODIFIED URETHANE PAVEMENT MARKING LINE 24"			
STATION	TO	STATION	LENGTH (FOOT)
STOP BARS			
CHURCH ST. FROM AS ABUILT PLANS			24.0
TOTAL =			24.0
USE =			24.0

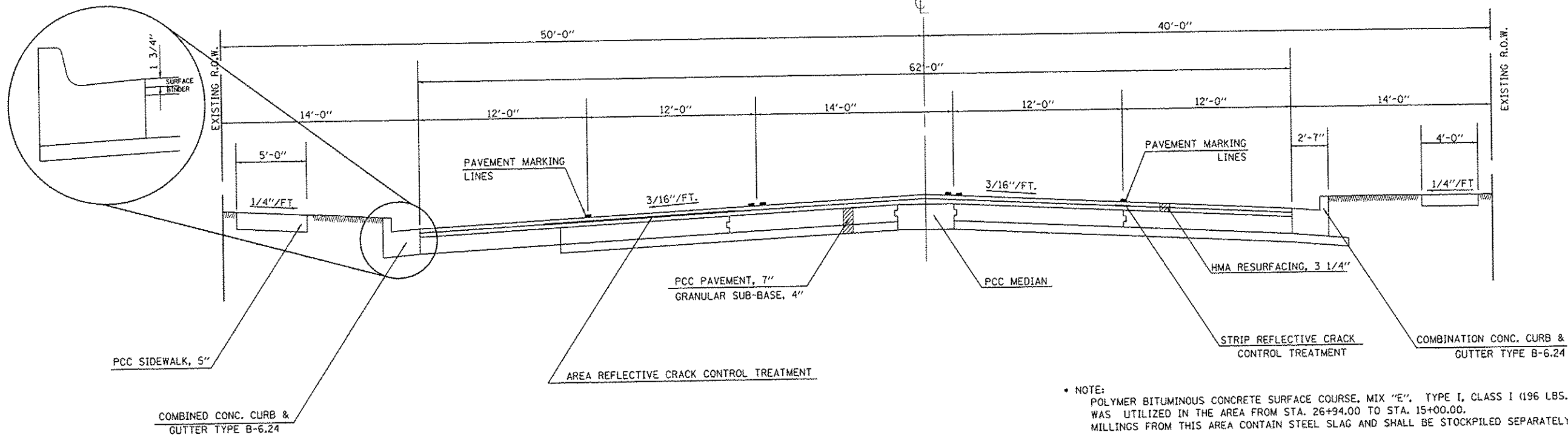
NOTE: ITEM 70300280 - TEMPORARY PAVEMENT MARKING, LINE 24"  
QUANTITIES ARE EQUAL TO ITEM 78009024 QUANTITY.



## EXISTING TYPICAL CROSS SECTION ②

LOCATION #2 (MATTIS AVENUE)  
① STA. 26+94.00 TO STA. 15+00.00 ③

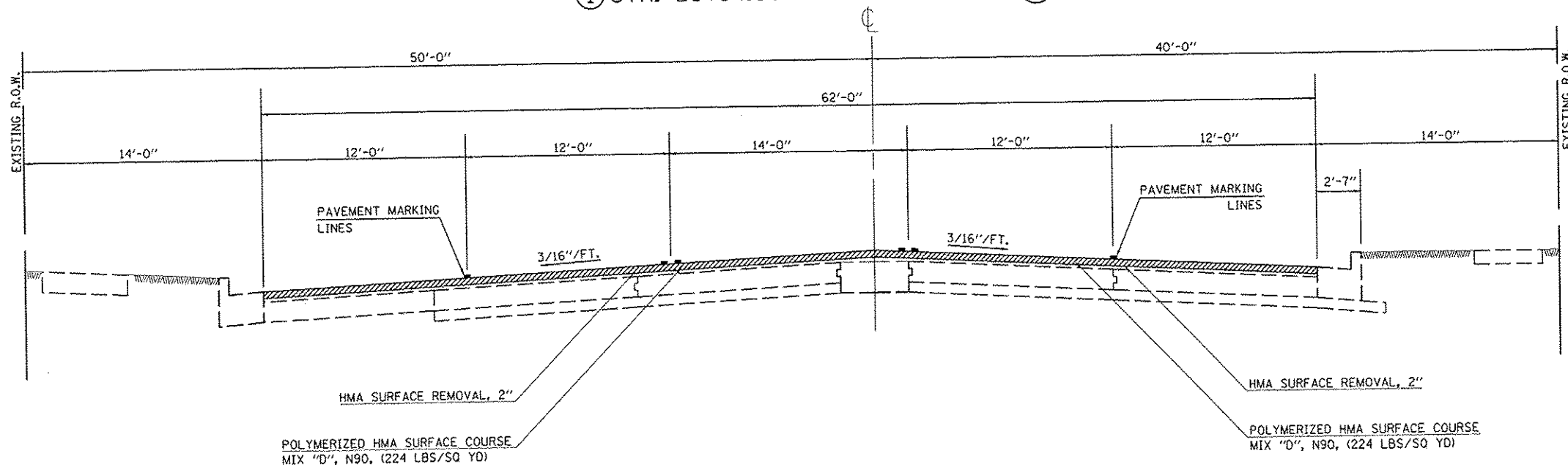
RAILROAD OMISSION  
STA. 26+99.90 TO STA. 26+88.85



## PROPOSED TYPICAL CROSS SECTION ②

LOCATION #2 (MATTIS AVENUE)  
① STA. 26+94.00 TO STA. 15+00.00 ③

RAILROAD OMISSION  
STA. 26+99.90 TO STA. 26+88.85



FILE NAME :	USER NAME : ceerlockbm	DESIGNED - BMC	REVISED -
c:\pwworksp\puidat\ceerlockbm\d038512610	70470-shr-typicals1Spring Const Fund.dgn	DRAWN - BMC	REVISED -
	PLT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLT DATE = 4/7/2014	DATE - 10/19/2010	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL CROSS SECTIONS**

SCALE: N/A SHEET NO. 2 OF 3 SHEETS STA. 26+94.00 TO STA. 15+00.00

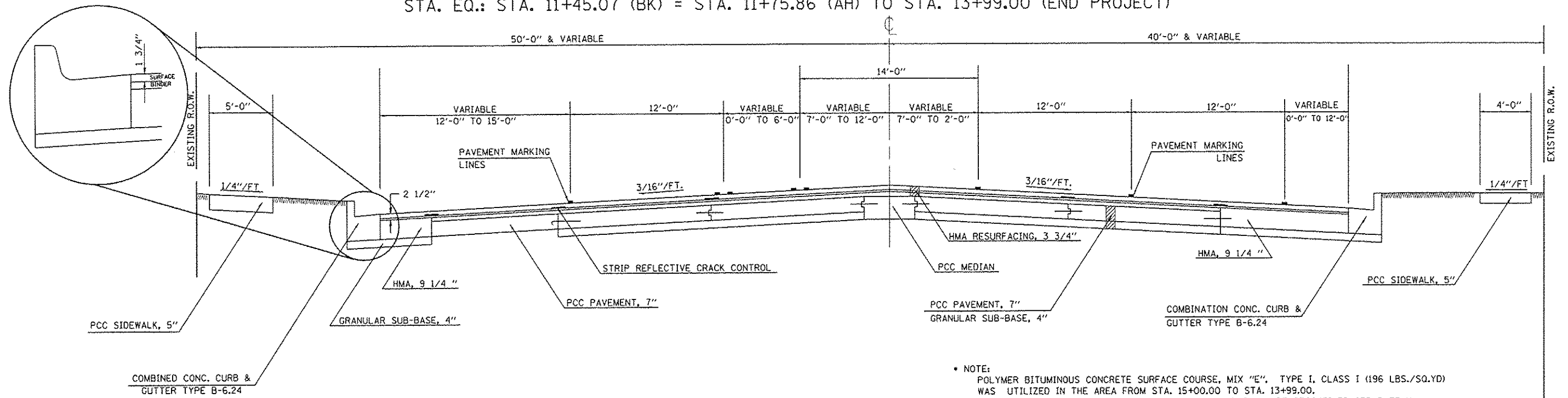
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	21
CONTRACT NO. 70A70				
ILLINOIS FED. AID PROJECT				

### EXISTING TYPICAL CROSS SECTION ③

LOCATION #2 (MATTIS AVENUE)

② STA. 15+00.00 TO STA. 11+45.07 (BK)

STA. EQ.: STA. 11+45.07 (BK) = STA. 11+75.86 (AH) TO STA. 13+99.00 (END PROJECT)



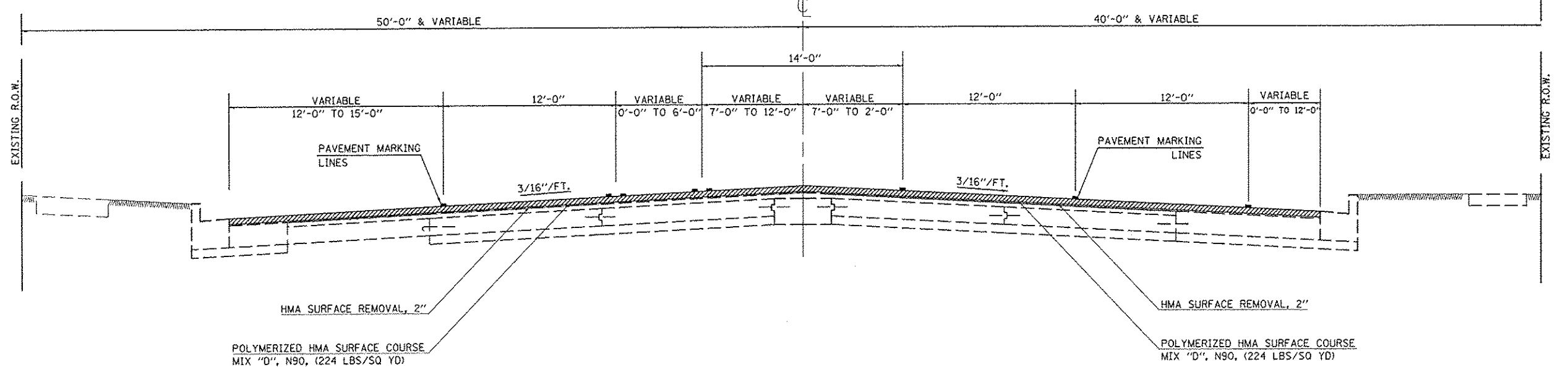
• NOTE:  
POLYMER BITUMINOUS CONCRETE SURFACE COURSE, MIX "E", TYPE I, CLASS I (196 LBS./SQ.YD)  
WAS UTILIZED IN THE AREA FROM STA. 15+00.00 TO STA. 13+99.00.  
MILLINGS FROM THIS AREA CONTAIN STEEL SLAG AND SHALL BE STOCKPILED SEPARATELY.

### PROPOSED TYPICAL CROSS SECTION ③

LOCATION #2 (MATTIS AVENUE)

② STA. 15+00.00 TO STA. 11+45.07 (BK)

STA. EQ.: STA. 11+45.07 (BK) = STA. 11+75.86 (AH) TO STA. 13+99.00 (END PROJECT)



FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwworkspace\cearlock\10389126\10389126.dgn	cearlock	BMC	-			811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	22	
PLOT SCALE	DATE	CHECKED	REVIS			CONTRACT NO. 70A70			(ILLINOIS) FED. AID PROJECT		
1/4" = 40.0000' / in.	10/19/2010	-	-			SCALE: N/A	SHEET NO. 3 OF 3 SHEETS	STA. 15+00.00 TO STA. 13+99.00			

# SCHEDULE OF QUANTITIES

LOCATION #2  
(MATTIS AVE.)

### HMA (MAINLINE)

ROUTE	STATION	TO	STATION	TOTAL AREA (SQ YD)	HMA SC THICKNESS (INCHES)	40600100	40600300	40603545
						BIT MATLS PR CT (GALLON)	AGG. PR CT (TONS)	P HMA SC "D" N90 (TONS)
FAP 811	48+71.00		26+94.00 (END COLD MILL SPL AREA)	13556.6	2.0	677.8	13.6	1518.3
FAP 811	26+94.00 (END COLD MILL SPL AREA)		EQ. 11+45.74(BK) = 11+75.86(AH)	11118.3	2.0	555.9	11.1	1245.2
FAP 811	EQ. 11+45.74(BK) = 11+75.86(AH)		13+99.00	1862.2	2.0	93.1	1.9	208.6
FAP 811 TOTAL =						1326.9	26.5	2972.2

PROJECT TOTAL =	1326.9	26.5	2972.2
USE =	1327.0	27.0	2973.0

### 44201777 - CLASS D PATCHING, 11"

ROUTE	STATION	DIR.	LANE	LENGTH (FOOT)	WIDTH (FOOT)	TYPE II 11" (SQ YD)
FAP 811	25+12.00	NB	TL	10.0	12.0	13.3
FAP 811	25+12.00	NB	PL	10.0	12.0	13.3
FAP 811	25+12.00	NB	DL	10.0	12.0	13.3
FAP 811	25+12.00	SB	PL	10.0	12.0	13.3
FAP 811	25+12.00	SB	DL	10.0	12.0	13.3
FAP 811 TOTAL =						66.7
FAP 811 USE =						67.0

### 44201789 - CLASS D PATCHING, 12"

ROUTE	STATION	DIR.	LANE	LENGTH (FOOT)	WIDTH (FOOT)	PATCH AREA TYPE II 12" (SQ YD)
FAP 811	43+03.00	NB	TL	6.0	12.0	8.0
FAP 811	43+03.00	NB	PL	6.0	12.0	8.0
FAP 811	43+03.00	NB	DL	6.0	12.0	8.0
FAP 811	43+03.00	SB	PL	6.0	12.0	8.0
FAP 811	43+03.00	SB	DL	6.0	12.0	8.0
FAP 811	40+01.00	NB	TL	6.0	12.0	8.0
FAP 811	40+01.00	NB	PL	6.0	12.0	8.0
FAP 811	40+01.00	NB	DL	6.0	12.0	8.0
FAP 811	40+01.00	SB	PL	6.0	12.0	8.0
FAP 811	40+01.00	SB	DL	6.0	12.0	8.0
FAP 811 TOTAL =						80.0

### 40600990 - TEMPORARY RAMP

ROUTE	STATION	DESCRIPTION	HMA MILLING THICKNESS (FOOT)	LENGTH (FOOT)	WIDTH (FOOT)	(SQ YD)
FAP 811	48+71.00	MATTIS AVE. SOUTH END BUTT JOINT	0.1667	6.67	56.2	41.6
FAP 811	26+99.90	RR. OMISSION	0.1667	6.67	69.6	51.6
FAP 811	26+88.85	RR. OMISSION	0.1667	6.67	71.1	52.7
FAP 811	13+99.00	MATTIS AVE. NORTH END BUTT JOINT	0.1667	6.67	67.2	49.8

FAP 811 TOTAL = 195.7

FAP 811 USE = 196.0

NOTE: 1:40 TAPE RATE WAS USED TO CALCULATE TEMPORARY RAMP LENGTHS.

### 56109210 - WATER VALVES TO BE ADJUSTED

ROUTE	STR. #	STATION	EACH
FAP 811	17	RT. 19+48	1.0
TOTAL =			1.0

### 44000157 - HMA SURFACE REMOVAL 2"

ROUTE	STA.	TO	STA.	AREA (SQ YD)
FAP 811	48+71.00		13+99.00	23175.8
FAP 811 TOTAL =				23175.8
FAP 811 USE =				23176.0

### 60255500 - MANHOLES TO BE ADJUSTED

ROUTE	STR. #	STATION	EACH
FAP 811	125	LT. 48+42	1.0
FAP 811	126	LT. 45+99	1.0
FAP 811	127	LT. 43+05	1.0
FAP 811	128	LT. 40+05	1.0
FAP 811	129	LT. 37+61	1.0
FAP 811	130	LT. 26+05	1.0
FAP 811	132	LT. 22+05	1.0
FAP 811	133	LT. 19+87	1.0
FAP 811	134	LT. 18+87	1.0
FAP 811	135	LT. 17+75	1.0
FAP 811	136	LT. 16+51	1.0
FAP 811	137	LT. 14+78	1.0
TOTAL =			12.0

# SCHEDULE OF QUANTITIES

## 70300100 - SHORT TERM PAVEMENT MARKING - LINE 4" (MAINLINE)

### C/L - SKIP-DASH

ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)	SQ. FT.
FAP 811	47+80	-	36+18	S.B.	1	290.5	96.7
FAP 811	47+80	-	40+98	N.B.	1	170.5	56.8
FAP 811	40+08	-	36+18	N.B.	1	97.5	32.5
FAP 811	35+40	-	22+23	S.B.	1	329.3	109.6
FAP 811	35+40	-	29+74	N.B.	1	141.5	47.1
FAP 811	28+83	-	22+23	N.B.	1	165.0	54.9
FAP 811	21+00	-	19+52	N.B.	1	37.0	12.3
FAP 811	20+84	-	18+63	S.B.	1	55.3	18.4
FAP 811	18+63	-	11+45.74	N.B. & S.B.	2	358.6	119.4
FAP 811	11+75.86	-	12+34	N.B. & S.B.	2	29.1	9.7
FAP 811	13+54	-	13+99	N.B.	1	11.3	3.7
FAP 811 SUB-TOTAL =						1685.5	561.3

70301000  
WORK ZONE  
PVMNT MRK REM

## 70300100 - SHORT TERM PAVEMENT MARKING - LINE 4" (MAINLINE)

### SINGLE TURN LANE (EXIST. DOUBLE LINES)

ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)	SQ. FT.
FAP 811	37+16	-	36+18	N.B. & S.B.	1	9.8	3.3
FAP 811	24+24	-	22+23	N.B. & S.B.	1	20.1	6.7
FAP 811	20+84	-	19+52	N.B. & S.B.	1	13.2	4.4
FAP 811	12+89	-	11+45.74	N.B. & S.B.	2	28.7	9.5
FAP 811	11+75.86	-	12+34	N.B. & S.B.	2	11.6	3.9
FAP 811	13+54	-	13+99	N.B. & S.B.	1	4.5	1.5
FAP 811 SUB-TOTAL =						87.9	29.3
FAP 811 TOTAL =						3118.8	*
FAP 811 USE =						3119.0	*

70301000  
WORK ZONE  
PVMNT MRK REM

## 70300100 - SHORT TERM PAVEMENT MARKING - LINE 4" (MAINLINE)

### TWO WAY LEFT TURN LANE

ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)	SQ. FT.
FAP 811	47+80	-	40+98	N.B. & S.B.	2	341.0	113.6
FAP 811	40+08	-	37+16	N.B. & S.B.	2	146.0	48.6
FAP 811	35+40	-	29+74	N.B. & S.B.	2	283.0	94.2
FAP 811	28+83	-	26+98.38	N.B. & S.B.	2	92.3	30.7
FAP 811	26+90.38	-	24+24	N.B. & S.B.	2	133.2	44.4
FAP 811	18+63	-	13+00	N.B. & S.B.	2	281.5	93.7
FAP 811	13+00	-	12+89	S.B.	1	2.8	0.9
FAP 811 SUB-TOTAL =						1279.8	426.2

70301000  
WORK ZONE  
PVMNT MRK REM

## 70300210 TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS (MAINLINE)

ROUTE	STATION	EACH	SQ. FT.	TYPE	(SQ FT)
FAP 811	47+33	2	31.2	LEFT ARROW	31.2
FAP 811	45+40	2	31.2	LEFT ARROW	31.2
FAP 811	43+40	2	31.2	LEFT ARROW	31.2
FAP 811	41+40	2	31.2	LEFT ARROW	31.2
FAP 811	39+66	2	31.2	LEFT ARROW	31.2
FAP 811	37+58	2	31.2	LEFT ARROW	31.2
FAP 811	36+96	1	15.6	LEFT ARROW	15.6
FAP 811	36+38	1	15.6	LEFT ARROW	15.6
FAP 811	35+98	2	31.2	LEFT ARROW	31.2
FAP 811	33+37	2	31.2	LEFT ARROW	31.2
FAP 811	31+77	2	31.2	LEFT ARROW	31.2
FAP 811	30+16	2	31.2	LEFT ARROW	31.2
FAP 811	28+47	4	25.2	R.R.	25.2
FAP 811	28+47	2	108.0	R.R. "X"	108.0
FAP 811	28+41	2	31.2	LEFT ARROW	31.2
FAP 811	26+54	2	31.2	LEFT ARROW	31.2
FAP 811	25+81	4	25.2	R.R.	25.2
FAP 811	25+81	2	108.0	R.R. "X"	108.0
FAP 811	24+66	2	31.2	LEFT ARROW	31.2
FAP 811	23+29	1	15.6	LEFT ARROW	15.6
FAP 811	22+86	1	15.6	LEFT ARROW	15.6
FAP 811	22+43	1	15.6	LEFT ARROW	15.6
FAP 811	20+64	1	15.6	LEFT ARROW	15.6
FAP 811	20+08	1	15.6	LEFT ARROW	15.6
FAP 811	19+52	1	15.6	LEFT ARROW	15.6
FAP 811	18+21	2	31.2	LEFT ARROW	31.2
FAP 811	15+81	2	31.2	LEFT ARROW	31.2
FAP 811	13+42	2	31.2	LEFT ARROW	31.2
FAP 811	12+13	2	31.2	LEFT & RIGHT ARROW	31.2
FAP 811	11+61	2	31.2	LEFT & RIGHT ARROW	31.2
FAP 811	12+14	2	31.2	LEFT & RIGHT ARROW	31.2
FAP 811	13+74	2	41.6	LEFT & COMBO ARROW	41.6
FAP 811 SUBTOTAL			1025.6		1025.6
FAP 811 TOTAL =			1025.6		*
FAP 811 USE =			1026.0		*

70301000  
WORK ZONE  
PVMNT MRK REM

## 70300100 - SHORT TERM PAVEMENT MARKING - LINE 4" (MAINLINE)

### SINGLE TURN LANE

ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)	SQ. FT.
FAP 811	36+96	-	36+18	N.B.	1	7.8	2.6
FAP 811	23+29	-	22+23	N.B.	1	10.6	3.5
FAP 811	20+84	-	19+52	N.B.	1	13.2	4.4
FAP 811	12+13	-	11+45.74	N.B.	2	13.5	4.5
FAP 811	11+75.86	-	12+34	N.B.	2	11.6	3.9
FAP 811	13+54	-	13+99	S.B.	2	9.0	3.0
FAP 811 SUB-TOTAL =						65.7	21.9

70301000  
WORK ZONE  
PVMNT MRK REM

\* TOTAL WORK ZONE PAVEMENT MARKING REMOVAL COMES FROM ADDITIONAL PAY ITEMS.



# SCHEDULE OF QUANTITIES

## 70300220 - TEMPORARY PAVEMENT MARKING - LINE 4" (MAINLINE)

### C/L - SKIP-DASH (WHITE)

ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)	70301000 WORK ZONE PVMNT MRK REM (SQ FT)
FAP 811	48+71	-	36+18	S.B.	1	313.3	104.3
FAP 811	47+80	-	40+98	N.B.	1	170.5	56.8
FAP 811	40+08	-	36+18	N.B.	1	97.5	32.5
FAP 811	35+40	-	22+23	S.B.	1	329.3	109.6
FAP 811	35+40	-	29+74	N.B.	1	141.5	47.1
FAP 811	28+83	-	22+23	N.B.	1	165.0	54.9
FAP 811	21+00	-	19+52	N.B.	1	37.0	12.3
FAP 811	20+84	-	18+63	S.B.	1	55.3	18.4
FAP 811	18+63	-	11+45.74	N.B. & S.B.	2	358.6	119.4
FAP 811	11+75.86	-	12+34	N.B. & S.B.	2	29.1	9.7
FAP 811	13+54	-	13+99	N.B.	1	11.3	3.7
FAP 811 SUB-TOTAL =						1708.2	568.8

## 70300220 - TEMPORARY PAVEMENT MARKING - LINE 4" (MAINLINE)

### TWO WAY LEFT TURN LANE - SOLID (YELLOW)

ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)	70301000 WORK ZONE PVMNT MRK REM (SQ FT)
FAP 811	47+80	-	40+98	N.B. & S.B.	2	1364.0	454.2
FAP 811	40+08	-	37+16	N.B. & S.B.	2	584.0	194.5
FAP 811	35+40	-	29+74	N.B. & S.B.	2	1132.0	377.0
FAP 811	28+83	-	26+98.35	N.B. & S.B.	2	369.3	123.0
FAP 811	26+90.35	-	24+24	N.B. & S.B.	2	532.7	177.4
FAP 811	18+63	-	13+00	N.B. & S.B.	2	1126.0	375.0
FAP 811	13+00	-	12+89	S.B.	1	11.0	3.7
FAP 811 SUB-TOTAL =						5119.0	1704.6

### TWO WAY LEFT TURN LANE - SKIP-DASH (YELLOW)

ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)	70301000 WORK ZONE PVMNT MRK REM (SQ FT)
FAP 811	47+80	-	40+98	N.B. & S.B.	2	341.0	113.6
FAP 811	40+08	-	37+16	N.B. & S.B.	2	146.0	48.6
FAP 811	35+40	-	29+74	N.B. & S.B.	2	283.0	94.2
FAP 811	28+83	-	26+98.35	N.B. & S.B.	2	92.3	30.7
FAP 811	26+90.35	-	24+24	N.B. & S.B.	2	133.2	44.3
FAP 811	18+63	-	13+00	N.B. & S.B.	2	281.5	93.7
FAP 811	13+00	-	12+89	S.B.	1	2.8	0.9
FAP 811 SUB-TOTAL =						1279.8	426.2

## 70300220 - TEMPORARY PAVEMENT MARKING - LINE 4" (MAINLINE)

### SINGLE TURN LANE - SOLID (WHITE)

ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)	70301000 WORK ZONE PVMNT MRK REM (SQ FT)
FAP 811	36+96	-	36+18	N.B.	1	78.0	26.0
FAP 811	23+29	-	22+23	N.B.	1	106.0	35.3
FAP 811	20+84	-	19+52	N.B.	1	132.0	44.0
FAP 811	12+13	-	11+45.74	N.B.	2	134.5	44.8
FAP 811	11+75.86	-	12+34	N.B.	2	116.3	38.7
FAP 811	13+54	-	13+99	S.B.	2	90.0	30.0
FAP 811 SUB-TOTAL =						656.8	218.7

### SINGLE TURN LANE - DOUBLE SOLID (YELLOW)

ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)	70301000 WORK ZONE PVMNT MRK REM (SQ FT)
FAP 811	37+16	-	36+18	N.B. & S.B.	1	196.0	65.3
FAP 811	24+24	-	22+23	N.B. & S.B.	1	402.0	133.9
FAP 811	20+84	-	19+52	N.B. & S.B.	1	264.0	87.9
FAP 811	12+89	-	11+45.74	N.B. & S.B.	2	573.0	190.8
FAP 811	11+75.86	-	12+34	N.B. & S.B.	2	232.6	77.4
FAP 811	13+54	-	13+99	N.B. & S.B.	1	90.0	30.0
FAP 811 SUB-TOTAL =						1757.6	585.3

FAP 811 TOTAL (4") = 10521.4  
 FAP 811 USE (4") = 10522.0

\* TOTAL WORK ZONE PAVEMENT MARKING REMOVAL COMES FROM ADDITIONAL PAY ITEMS.

## 70300240 - TEMPORARY PAVEMENT MARKING - LINE 6"

### 6" SOLID (WHITE)

ROUTE	LOCATION	DESCRIPTION	LENGTH (FOOT)	70301000 WORK ZONE PVMNT MRK REM (SQ FT)
FAP 811	PARKLAND WAY	CROSSWALK	106.0	53.0
FAP 811	PAULA DR.	CROSSWALK	273.0	136.5
FAP 811	BLOOMINGTON RD.	CROSSWALK	158.0	79.0
			537.0	268.5

FAP 811 TOTAL (6") = 537.0

\* TOTAL WORK ZONE PAVEMENT MARKING REMOVAL COMES FROM ADDITIONAL PAY ITEMS.

## 70300260 TEMPORARY PAVEMENT MARKING - LINE 12" (MAINLINE)

### 12" DIAGONAL (YELLOW)

ROUTE	STATION	TO	STATION	LENGTH (FOOT)	70301000 WORK ZONE PVMNT MRK REM (SQ FT)
FAP 811	12+89	-	12+34	37.4	37.4
				37.4	37.4

FAP 811 TOTAL (12") = 37.4  
 FAP 811 USE (12") = 38.0

\* TOTAL WORK ZONE PAVEMENT MARKING REMOVAL COMES FROM ADDITIONAL PAY ITEMS.

# SCHEDULE OF QUANTITIES

## 70300280 - TEMPORARY PAVEMENT MARKING - LINE 24" (MAINLINE)

ROUTE	STATION	DESCRIPTION	LENGTH (FOOT)	70301000 WORK ZONE PVMNT MRK REM (SQ FT)
FAP 811	36+18	STOP BAR	33.3	66.6
FAP 811	35+40	STOP BAR	26.0	52.0
FAP 811	28+73	R.R. BAR	23.2	46.4
FAP 811	28+21	R.R. BAR	24.2	48.4
FAP 811	27+33	R.R. BAR	26.0	52.0
FAP 811	26+54	R.R. BAR	25.4	50.8
FAP 811	26+07	R.R. BAR	24.1	48.2
FAP 811	25+55	R.R. BAR	25.2	50.4
FAP 811	22+23	STOP BAR	48.2	96.4
FAP 811	20+84	STOP BAR	37.9	75.8
FAP 811	12+34	STOP BAR	48.8	97.6
FAP 811	13+54	STOP BAR	50.7	101.4
			393.0	786.0
FAP 811 TOTAL (24") =			393.0	*
FAP 811 PROJECT TOTAL = 6659.7				
FAP 811 PROJECT USE = 6660.0				

\* TOTAL WORK ZONE PAVEMENT MARKING REMOVAL COMES FROM ADDITIONAL PAY ITEMS.

## 78003100 PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS & SYMBOLS (MAINLINE)

ROUTE	STATION	EACH	SQ. FT.	TYPE	X7830068 GRV RCSD PVT LT N SYM (SQ FT)
FAP 811	47+33	2	31.2	LEFT ARROW	98.3
FAP 811	45+40	2	31.2	LEFT ARROW	98.3
FAP 811	43+40	2	31.2	LEFT ARROW	98.3
FAP 811	41+40	2	31.2	LEFT ARROW	98.3
FAP 811	39+66	2	31.2	LEFT ARROW	98.3
FAP 811	37+58	2	31.2	LEFT ARROW	98.3
FAP 811	36+96	1	15.6	LEFT ARROW	49.2
FAP 811	36+38	1	15.6	LEFT ARROW	49.2
FAP 811	35+98	2	31.2	LEFT ARROW	98.3
FAP 811	33+37	2	31.2	LEFT ARROW	98.3
FAP 811	31+77	2	31.2	LEFT ARROW	98.3
FAP 811	30+16	2	31.2	LEFT ARROW	98.3
FAP 811	28+47	4	25.2	R.R.	-
FAP 811	28+47	2	108.0	R.R. "X"	324.7
FAP 811	28+41	2	31.2	LEFT ARROW	98.3
FAP 811	26+54	2	31.2	LEFT ARROW	98.3
FAP 811	25+81	4	25.2	R.R.	-
FAP 811	25+81	2	108.0	R.R. "X"	324.7
FAP 811	24+66	2	31.2	LEFT ARROW	98.3
FAP 811	23+29	1	15.6	LEFT ARROW	49.2
FAP 811	22+86	1	15.6	LEFT ARROW	49.2
FAP 811	22+43	1	15.6	LEFT ARROW	49.2
FAP 811	20+64	1	15.6	LEFT ARROW	49.2
FAP 811	20+08	1	15.6	LEFT ARROW	49.2
FAP 811	19+52	1	15.6	LEFT ARROW	49.2
FAP 811	18+21	2	31.2	LEFT ARROW	98.3
FAP 811	15+81	2	31.2	LEFT ARROW	98.3
FAP 811	13+42	2	31.2	LEFT ARROW	98.3
FAP 811	12+13	2	31.2	LEFT & RIGHT ARROW	98.3
FAP 811	11+61	2	31.2	LEFT & RIGHT ARROW	98.3
FAP 811	12+14	2	31.2	LEFT & RIGHT ARROW	98.3
FAP 811	13+74	2	41.6	LEFT & COMBO ARROW	140.9
FAP 811 SUB-TOTAL =			1025.6		3052.0
FAP 811 TOTAL =			1025.6		3052.0
FAP 811 USE =			1026.0		3052.0

## 78004210 PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"

						C/L - SKIP-DASH (WHITE)				
ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)				
FAP 811	47+80	-	36+18	S.B.	1	290.5				
FAP 811	47+80	-	40+98	N.B.	1	170.5				
FAP 811	40+08	-	36+18	N.B.	1	97.5				
FAP 811	35+40	-	22+23	S.B.	1	329.3				
FAP 811	35+40	-	29+74	N.B.	1	141.5				
FAP 811	28+83	-	22+23	N.B.	1	165.0				
FAP 811	21+00	-	19+52	N.B.	1	37.0				
FAP 811	20+84	-	18+63	S.B.	1	55.3				
FAP 811	18+63	-	11+45.74	N.B. & S.B.	2	358.6				
FAP 811	11+75.86	-	12+34	N.B. & S.B.	2	29.1				
FAP 811	13+54	-	13+99	N.B.	1	11.3				
						1685.5	FAP 811 SUB-TOTAL =			

## TWO WAY LEFT TURN LANE- SKIP-DASH (YELLOW)

ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)		
FAP 811	47+80	-	40+98	N.B. & S.B.	2	341.0		
FAP 811	40+08	-	37+16	N.B. & S.B.	2	146.0		
FAP 811	35+40	-	29+74	N.B. & S.B.	2	283.0		
FAP 811	28+83	-	26+98.38	N.B. & S.B.	2	92.3		
FAP 811	26+90.38	-	24+24	N.B. & S.B.	2	133.2		
FAP 811	18+63	-	13+00	N.B. & S.B.	2	281.5		
FAP 811	13+00	-	12+89	S.B.	1	2.8		
						1279.8	FAP 811 SUB-TOTAL =	
						2965.2	FAP 811 TOTAL (4") =	
						2966.0	FAP 811 USE (4") =	

## 78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (MAINLINE)

						TWO WAY LEFT TURN LANE- SOLID (YELLOW)					X7830070 GRV RCSD PVT MRKG 5" (FOOT)
ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)					
FAP 811	47+80	-	40+98	N.B. & S.B.	2	1364.0					1364.0
FAP 811	40+08	-	37+16	N.B. & S.B.	2	584.0					584.0
FAP 811	35+40	-	29+74	N.B. & S.B.	2	1132.0					1132.0
FAP 811	28+83	-	26+99.90	N.B. & S.B.	2	366.2					366.2
FAP 811	26+88.85	-	24+24	N.B. & S.B.	2	529.7					529.7
FAP 811	18+63	-	13+00	N.B. & S.B.	2	1126.0					1126.0
FAP 811	13+00	-	12+89	S.B.	1	11.0					11.0
						5112.9	FAP 811 SUB-TOTAL =				5112.9
						5112.9					
						1279.8	FAP 811 SUB-TOTAL =				1279.8

## TWO WAY LEFT TURN LANE- SKIP-DASH (YELLOW)

						TWO WAY LEFT TURN LANE- SKIP-DASH (YELLOW)					X7830070 GRV RCSD PVT MRKG 5" (FOOT)
ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)					
FAP 811	47+80	-	40+98	N.B. & S.B.	2	341.0					341.0
FAP 811	40+08	-	37+16	N.B. & S.B.	2	146.0					146.0
FAP 811	35+40	-	29+74	N.B. & S.B.	2	283.0					283.0
FAP 811	28+83	-	26+98.38	N.B. & S.B.	2	92.3					92.3
FAP 811	26+90.38	-	24+24	N.B. & S.B.	2	133.2					133.2
FAP 811	18+63	-	13+00	N.B. & S.B.	2	281.5					281.5
FAP 811	13+00	-	12+89	S.B.	1	2.8					2.8
						1279.8	FAP 811 SUB-TOTAL =				1279.8

# SCHEDULE OF QUANTITIES

## 78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (MAINLINE)

### SINGLE TURN LANE - SOLID (WHITE)

ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH (FOOT)	X7830070 GRV RCSD PVT MRKG 5" (FOOT)
FAP 811	36+96	-	36+18	N.B.	1	78.0	78.0
FAP 811	23+29	-	22+23	N.B.	1	106.0	106.0
FAP 811	20+84	-	19+52	N.B.	1	132.0	132.0
FAP 811	12+13	-	11+45.74	N.B.	2	134.5	134.5
FAP 811	11+75.86	-	12+34	N.B.	2	116.3	116.3
FAP 811	13+54	-	13+99	S.B.	2	90.0	90.0
FAP 811 SUB-TOTAL =						656.8	656.8

### SINGLE TURN LANE - DOUBLE SOLID (YELLOW)

ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	LENGTH	X7830070 GRV RCSD PVT MRKG 5" (FOOT)
FAP 811	37+16	-	36+18	N.B. & S.B.	1	196.0	196.0
FAP 811	24+24	-	22+23	N.B. & S.B.	1	402.0	402.0
FAP 811	20+84	-	19+52	N.B. & S.B.	1	264.0	264.0
FAP 811	12+89	-	11+45.74	N.B. & S.B.	2	573.0	573.0
FAP 811	11+75.86	-	12+34	N.B. & S.B.	2	232.6	232.6
FAP 811	13+54	-	13+99	N.B. & S.B.	1	90.0	90.0
FAP 811 SUB-TOTAL =						1757.6	1757.6
FAP 811 TOTAL (4") =						8807.1	8807.1
FAP 811 USE (4") =						8808.0	8808.0

## 78009006 - MODIFIED URETHAN PAVEMENT MARKING - LINE 6"

### 6" SOLID (WHITE)

ROUTE	LOCATION	DESCRIPTION	LENGTH (FOOT)	X7830074 GRV RCSD PVT MRKG 7" (FOOT)
FAP 811	PARKLAND WAY	CROSSWALK	106.0	106.0
FAP 811	PAULA DR.	CROSSWALK	273.0	273.0
FAP 811	BLOOMINGTON RD.	CROSSWALK	158.0	158.0
FAP 811 TOTAL (6") =			537.0	537.0

## 78009012 - MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (MAINLINE)

### 12" DIAGONAL (YELLOW)

ROUTE	STATION	TO	STATION	LENGTH (FOOT)	X7830078 GRV RCSD PVT MRKG 13" (FOOT)
FAP 811	12+89	-	12+34	37.4	37.4
FAP 811 SUB-TOTAL				37.4	37.4
FAP 811 TOTAL (12") =				37.4	37.4
FAP 811 USE (12") =				38.0	38.0

## 78009024 - MODIFIED URETHANE PAVEMENT MARKING - LINE 24" (MAINLINE)

ROUTE	STATION	DESCRIPTION	LENGTH (FOOT)	X7830090 GRV RCSD PVT MRKG 25" (FOOT)
FAP 811	36+18	STOP BAR	33.3	33.3
FAP 811	35+40	STOP BAR	26.0	26.0
FAP 811	28+73	R.R. BAR	23.2	23.2
FAP 811	28+21	R.R. BAR	24.2	24.2
FAP 811	27+33	R.R. BAR	26.0	26.0
FAP 811	26+54	R.R. BAR	25.4	25.4
FAP 811	26+07	R.R. BAR	24.1	24.1
FAP 811	25+55	R.R. BAR	25.2	25.2
FAP 811	22+23	STOP BAR	48.2	48.2
FAP 811	20+84	STOP BAR	37.9	37.9
FAP 811	12+34	STOP BAR	48.8	48.8
FAP 811	13+54	STOP BAR	50.7	50.7
FAP 811 TOTAL (24") =			393.0	393.0

# SCHEDULE OF QUANTITIES

78100100 RRPM (MAINLINE)										78300200 RRPM REMOVAL (MAINLINE)				88600100 - DETECTOR LOOP, TYPE 1		
C/L - SKIP-DASH (WHITE)																
ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	ONE-WAY CRYSTAL RRPM (EACH)	ONE-WAY AMBER RRPM (EACH)	TWO-WAY AMBER RRPM (EACH)	RRPM REMOVAL (EACH)	ROUTE	LOCATION	LENGTH (FOOT)				
FAP 811	48+71	-	36+18	S.B.	1	16.0	-	-	16.0	FAP 811	PARKLAND WAY	475.0				
FAP 811	47+80	-	40+98	N.B.	1	9.0	-	-	9.0	FAP 811	PAULA DR.	490.0				
FAP 811	40+08	-	36+18	N.B.	1	5.0	-	-	5.0	FAP 811	BLOOMINGTON RD.	525.0				
FAP 811	35+40	-	22+23	S.B.	1	17.0	-	-	17.0	FAP 811 TOTAL =						
FAP 811	35+40	-	29+74	N.B.	1	8.0	-	-	8.0	<span style="border: 1px solid black; padding: 2px;">1490.0</span>						
FAP 811	28+83	-	22+23	N.B.	1	9.0	-	-	9.0							
FAP 811	21+00	-	19+52	N.B.	1	2.0	-	-	2.0							
FAP 811	20+84	-	18+63	S.B.	1	3.0	-	-	3.0							
FAP 811	18+63	-	11+45.74	N.B. & S.B.	2	18.0	-	-	18.0							
FAP 811	11+75.86	-	12+34	N.B. & S.B.	2	2.0	-	-	2.0							
FAP 811	13+54	-	13+99	N.B.	1	1.0	-	-	1.0							
FAP 811 SUB-TOTAL						90.0	-	-	90.0							

TWO WAY LEFT TURN LANE - SOLID AND SKIP-DASH (YELLOW)									
ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	ONE-WAY CRYSTAL RRPM (EACH)	ONE-WAY AMBER RRPM (EACH)	TWO-WAY AMBER RRPM (EACH)	RRPM REMOVAL (EACH)
FAP 811	47+80	-	40+98	N.B. & S.B.	2	-	-	35.0	35.0
FAP 811	40+08	-	37+16	N.B. & S.B.	2	-	-	15.0	15.0
FAP 811	35+40	-	29+74	N.B. & S.B.	2	-	-	29.0	29.0
FAP 811	28+83	-	26+98.38	N.B. & S.B.	2	-	-	10.0	10.0
FAP 811	26+90.38	-	24+24	N.B. & S.B.	2	-	-	14.0	14.0
FAP 811	18+63	-	13+00	N.B. & S.B.	2	-	-	29.0	29.0
FAP 811	13+00	-	12+89	S.B.	1	-	-	1.0	1.0
FAP 811 SUB-TOTAL						-	-	133.0	133.0

78100100 RRPM (MAINLINE)										78300200 RRPM REMOVAL (MAINLINE)			
SINGLE TURN LANE - SOLID (WHITE)													
ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	ONE-WAY CRYSTAL RRPM (EACH)	ONE-WAY AMBER RRPM (EACH)	TWO-WAY AMBER RRPM (EACH)	RRPM REMOVAL (EACH)				
FAP 811	36+96	-	36+18	N.B.	1	2.0	-	-	2.0				
FAP 811	23+29	-	22+23	N.B.	1	3.0	-	-	3.0				
FAP 811	20+84	-	19+52	N.B.	1	4.0	-	-	4.0				
FAP 811	12+13	-	11+45.74	N.B.	2	4.0	-	-	4.0				
FAP 811	11+75.86	-	12+34	N.B.	2	3.0	-	-	3.0				
FAP 811	13+54	-	13+99	S.B.	2	3.0	-	-	3.0				
FAP 811 SUB-TOTAL						19.0	-	-	19.0				

78100100 RRPM (MAINLINE)										78300200 RRPM REMOVAL (MAINLINE)			
SINGLE TURN LANE - DOUBLE SOLID (YELLOW)													
ROUTE	STATION	TO	STATION	TRAVEL DIRECTION	# OF LINES	ONE-WAY CRYSTAL RRPM (EACH)	ONE-WAY AMBER RRPM (EACH)	TWO-WAY AMBER RRPM (EACH)	RRPM REMOVAL (EACH)				
FAP 811	37+16	-	36+18	N.B. & S.B.	1	-	-	5.0	5.0				
FAP 811	24+24	-	22+23	N.B. & S.B.	1	-	-	11.0	11.0				
FAP 811	20+84	-	19+52	N.B. & S.B.	1	-	-	7.0	7.0				
FAP 811	12+89	-	11+45.74	N.B. & S.B.	2	-	15.0	-	15.0				
FAP 811	11+75.86	-	12+34	N.B. & S.B.	2	-	6.0	-	6.0				
FAP 811	13+54	-	13+99	N.B. & S.B.	1	-	-	3.0	3.0				
FAP 811 SUB-TOTAL						-	21.0	26.0	47.0				

FAP 811 TOTAL = 109.0 21.0 159.0 289.0

# SCHEDULE OF QUANTITIES

## PARTIAL DEPTH PATCHING, 7"

ROUTE	STATION	DIR.	LANE	LENGTH (FOOT)	WIDTH (FOOT)	EX. HMA OVERLAY THICKNESS 4 3/4" OR LESS (INCH)	X4406270 PARTIAL DEPTH REMOVAL TYPE II, 7" (SQ YD)	X4406670 PARTIAL DEPTH REMOVAL TYPE IV, 7" (SQ YD)	X4421000 PARTIAL DEPTH PATCHING (TON)
FAP 811	24+02.00	NB	TL	6.0	12.0	3.25	8.0	-	2.8
FAP 811	24+02.00	NB	TL	6.0	12.0	3.25	8.0	-	2.8
FAP 811	24+02.00	NB	TL	6.0	12.0	3.25	8.0	-	2.8
FAP 811	24+02.00	SB	PL	6.0	12.0	3.25	8.0	-	2.8
FAP 811	20+68.00	NB	DL	25.0	12.0	3.25	-	33.3	11.7
FAP 811	20+60.00	NB	PL	6.0	12.0	3.25	8.0	-	2.8
FAP 811	19+91.00	NB	DL	25.0	12.0	3.25	-	33.3	11.7
FAP 811	19+79.00	NB	TL	6.0	12.0	3.25	8.0	-	2.8
FAP 811	19+79.00	NB	PL	6.0	12.0	3.25	8.0	-	2.8
FAP 811	19+79.00	NB	DL	6.0	12.0	3.25	8.0	-	2.8
FAP 811	19+79.00	SB	PL	6.0	12.0	3.25	8.0	-	2.8
FAP 811	16+09.00	NB	TL	6.0	12.0	3.25	8.0	-	2.8
FAP 811	16+09.00	NB	PL	6.0	8.0	3.25	5.3	-	1.9
FAP 811	16+09.00	SB	PL	6.0	12.0	3.25	8.0	-	2.8
FAP 811	16+09.00	SB	DL	6.0	12.0	3.25	8.0	-	2.8
FAP 811	12+77.00	NB	TL	6.0	12.0	3.75	8.0	-	3.0
FAP 811	12+77.00	NB	PL	6.0	12.0	3.75	8.0	-	3.0
FAP 811	12+77.00	NB	DL	6.0	12.0	3.75	8.0	-	3.0
FAP 811	12+77.00	SB	PL	6.0	12.0	3.75	8.0	-	3.0
FAP 811	12+77.00	SB	DL	6.0	12.0	3.75	8.0	-	3.0
FAP 811 SUB-TOTAL =							141.3	66.7	73.9

FAP 811 TOTAL = 141.3      66.7      \*

USE = 142.0      67.0      \*

\* TOTAL PARTIAL DEPTH PATCHING COMES FROM ADDITIONAL PAY ITEMS.

## PARTIAL DEPTH PATCHING, 8"

ROUTE	STATION	DIR.	LANE	LENGTH (FOOT)	WIDTH (FOOT)	EX. HMA OVERLAY THICKNESS 4 3/4" OR LESS (INCH)	X4406280 PARTIAL DEPTH REMOVAL TYPE II, 8" (SQ YD)	X4421000 PARTIAL DEPTH PATCHING (TON)
FAP 811	47+14.00	NB	TL	6.0	12.0	4.75	8.0	3.5
FAP 811	47+14.00	NB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	47+14.00	NB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	47+14.00	SB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	47+14.00	SB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	43+96.00	NB	TL	6.0	12.0	4.75	8.0	3.5
FAP 811	43+96.00	NB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	43+96.00	NB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	43+72.00	NB	TL	6.0	12.0	4.75	8.0	3.5
FAP 811	43+72.00	NB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	43+72.00	NB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	43+72.00	SB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	43+72.00	SB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	41+32.00	NB	TL	6.0	12.0	4.75	8.0	3.5
FAP 811	41+32.00	NB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	41+32.00	NB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	41+32.00	SB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	41+32.00	SB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	40+01.00	NB	TL	6.0	12.0	4.75	8.0	3.5
FAP 811	40+01.00	NB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	40+01.00	NB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	40+01.00	SB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	40+01.00	SB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	36+88.00	NB	TL	6.0	12.0	4.75	8.0	3.5
FAP 811	36+88.00	NB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	36+88.00	NB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811 SUB-TOTAL =							208.0	90.3

# SCHEDULE OF QUANTITIES

PARTIAL DEPTH PATCHING, 8"

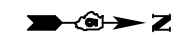
Z0070100 SURVEY MONUMENT COVER ASSEMBLY

ROUTE	STATION	DIR.	LANE	LENGTH (FOOT)	WIDTH (FOOT)	EX. HMA OVERLAY THICKNESS 4 3/4" OR LESS (INCH)	X4406280 PARTIAL DEPTH REMOVAL TYPE II, 8" (SQ YD)	X4421000 PARTIAL DEPTH PATCHING (TON)
FAP 811	36+88.00	SB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	36+88.00	SB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	36+10.00	NB	TL	6.0	12.0	4.75	8.0	3.5
FAP 811	36+10.00	NB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	36+10.00	NB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	36+10.00	SB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	36+10.00	SB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	33+69.00	NB	TL	6.0	12.0	4.75	8.0	3.5
FAP 811	33+69.00	NB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	33+69.00	NB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	33+69.00	SB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	33+69.00	SB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	32+16.00	NB	TL	6.0	12.0	4.75	8.0	3.5
FAP 811	32+16.00	NB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	32+16.00	NB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	32+16.00	SB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	32+16.00	SB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	31+47.00	SB	PL	10.0	12.0	4.75	13.3	5.8
FAP 811	31+47.00	SB	DL	10.0	12.0	4.75	13.3	5.8
FAP 811	31+36.00	NB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	31+36.00	NB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	29+55.00	NB	TL	6.0	12.0	4.75	8.0	3.5
FAP 811	29+55.00	NB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	29+55.00	NB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	29+55.00	SB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	29+55.00	SB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	28+37.00	NB	TL	6.0	12.0	4.75	8.0	3.5
FAP 811	28+37.00	NB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	28+37.00	NB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811	28+37.00	SB	PL	6.0	12.0	4.75	8.0	3.5
FAP 811	28+37.00	SB	DL	6.0	12.0	4.75	8.0	3.5
FAP 811 SUB-TOTAL =							258.7	112.3
FAP 811 TOTAL =							466.7	276.5
FAP 811 USE =							467.0	277.0

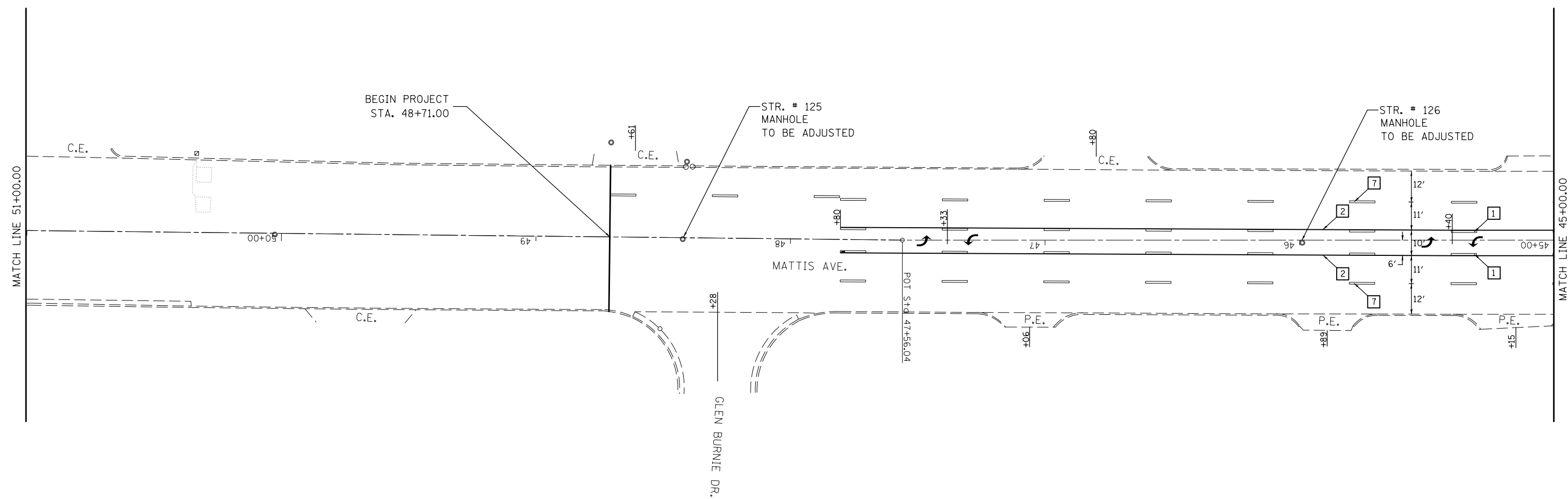
ROUTE	P.O.T. STATION	EACH
FAP 811	12+95.33 (MATTIS AVE.) 19+41.81 (BLOOMINGTON RD.)	1.0
FAP 811 TOTAL =		1.0

Z0010900 COLD MILLING (SPECIAL)

ROUTE	DEPTH	(FOOT)
FAP 811	2"	4354.0
FAP 811 TOTAL =		4354.0



NOTES: 1. SEE DISTRICT 5 DETAIL NO. 7800AAAA FOR PAVEMENT MARKING LEGENED.  
 2. NO INCIDENTAL WORK IS INCLUDED IN THIS CONTRACT.



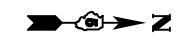
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c:\pwork\pwork\avusuglob\d0385126\0570A70-shit-plan\Spring Const. Fundl.dgn		DRAWN BMC	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/3/2014	DATE 11-29-2010	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**RESURFACING &  
 PAVEMENT MARKING DETAILS - LOCATION #2**

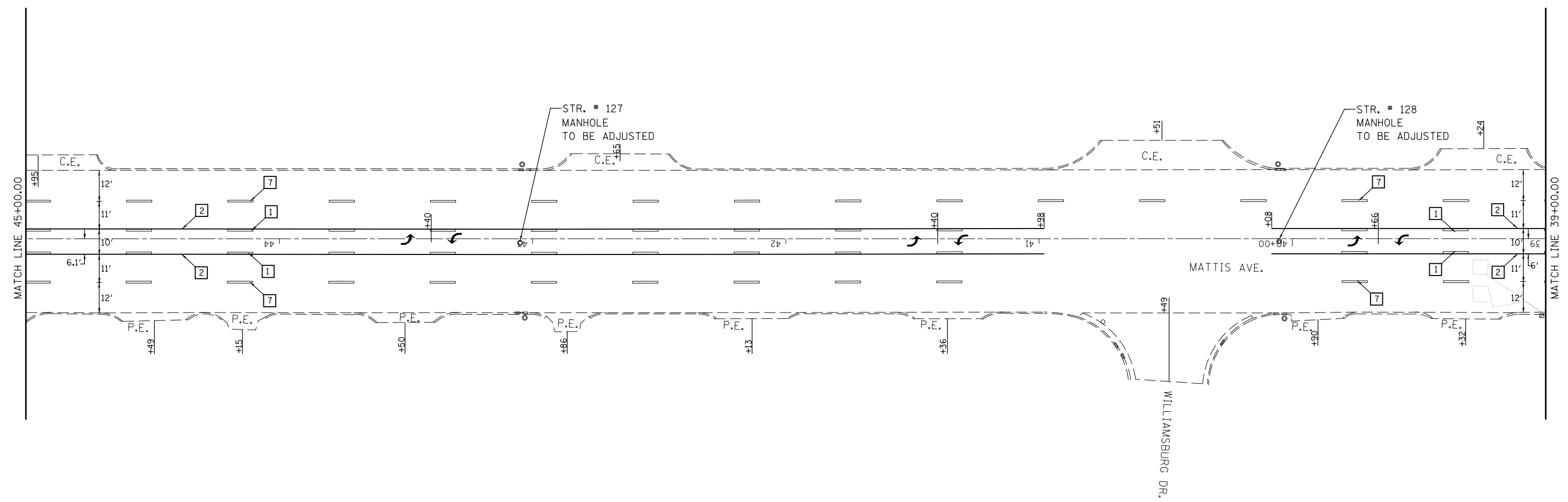
SCALE: N/A      SHEET NO. 1 OF 8 SHEETS      STA. 51+00.00 TO STA. 45+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	31
ILLINOIS FED. AID PROJECT			<b>CONTRACT NO. 70A70</b>	



NOTES: 1. SEE DISTRICT 5 DETAIL NO. 7800AAAA FOR PAVEMENT MARKING LEGENED.

2. NO INCIDENTAL WORK IS INCLUDED IN THIS CONTRACT.



FILE NAME =	USER NAME = avusuglob	DESIGNED BMC	REVISED -
et:\pw\work\p\dot\avusuglob\d0385126\0570A70-shit-plan\Spring Const.Fundl.dgn		DRAWN BMC	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/3/2014	DATE 11-29-2010	REVISED -

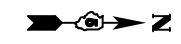
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RESURFACING &  
PAVEMENT MARKING DETAILS - LOCATION #2**

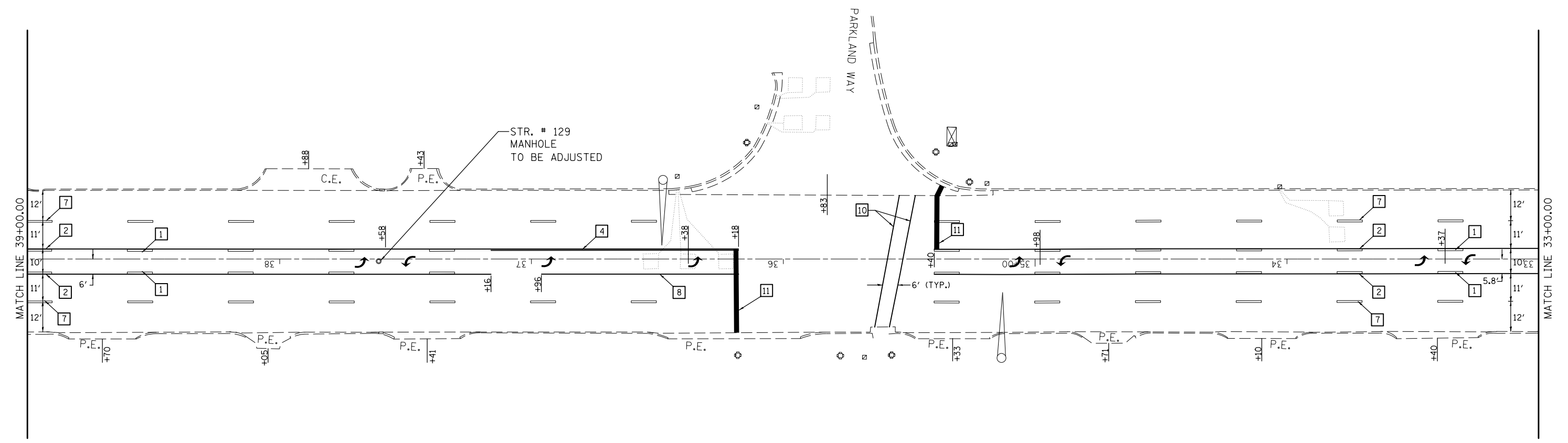
SCALE: N/A      SHEET NO. 2 OF 8 SHEETS      STA. 45+00.00 TO STA. 39+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	32
CONTRACT NO. 70A70				
ILLINOIS FED. AID PROJECT				





NOTES: 1. SEE DISTRICT 5 DETAIL NO. 7800AAAA FOR PAVEMENT MARKING LEGENED.  
 2. NO INCIDENTAL WORK IS INCLUDED IN THIS CONTRACT.



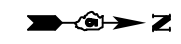
FILE NAME =	USER NAME = avusuglob	DESIGNED BMC	REVISED -
c:\pwork\pwork\avusuglob\d0385126\0570470-shit-plan\Spring Const. Fundl.dgn		DRAWN BMC	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/3/2014	DATE 11-29-2010	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

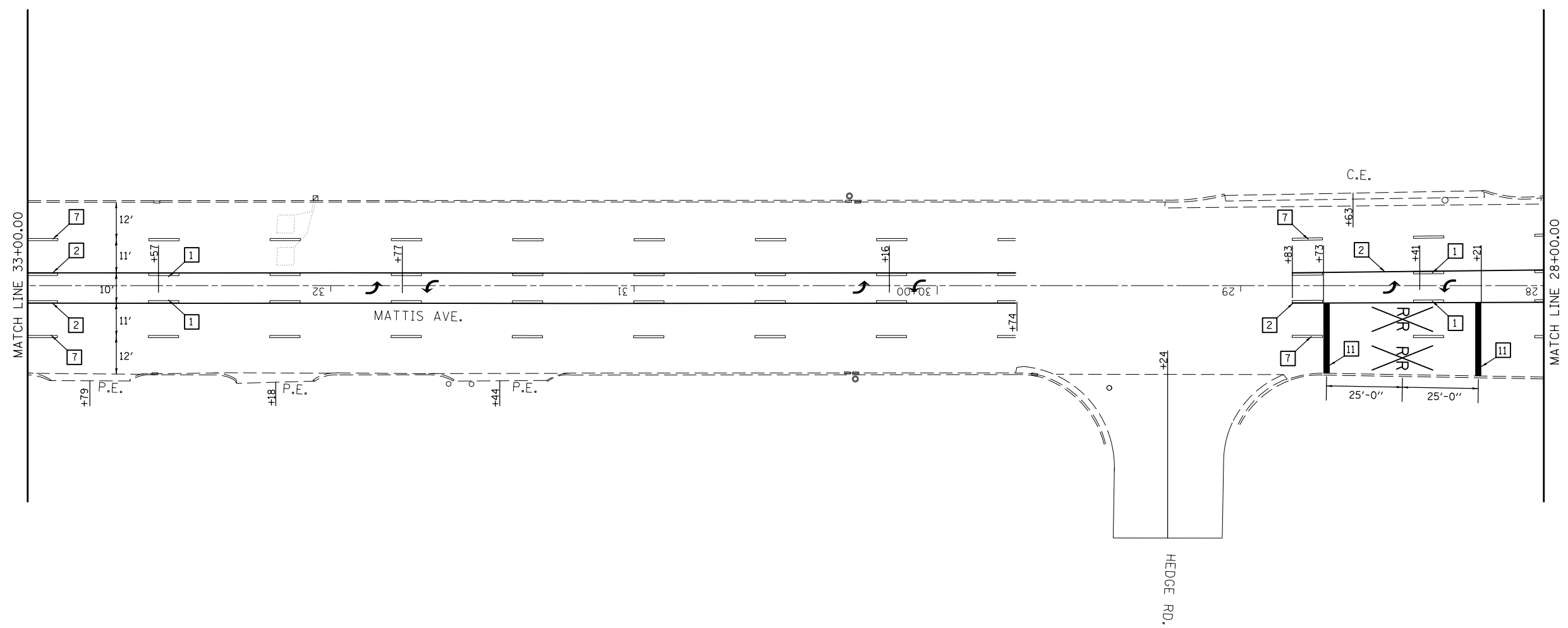
**RESURFACING &  
 PAVEMENT MARKING DETAILS - LOCATION #2**

SCALE: N/A      SHEET NO. 3 OF 8 SHEETS      STA. 39+00.00 TO STA. 33+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	33
CONTRACT NO. 70A70			ILLINOIS FED. AID PROJECT	



NOTES: 1. SEE DISTRICT 5 DETAIL NO. 7800AAAA FOR PAVEMENT MARKING LEGENED.  
 2. NO INCIDENTAL WORK IS INCLUDED IN THIS CONTRACT.



FILE NAME =	USER NAME = avusuglob	DESIGNED BMC	REVISED -
et:\pw\work\p\dot\avusuglob\d0385126\0570A70-shit-plan\Spring Const.Fund\dgn		DRAWN BMC	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/3/2014	DATE 11-29-2010	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**RESURFACING &  
 PAVEMENT MARKING DETAILS - LOCATION #2**

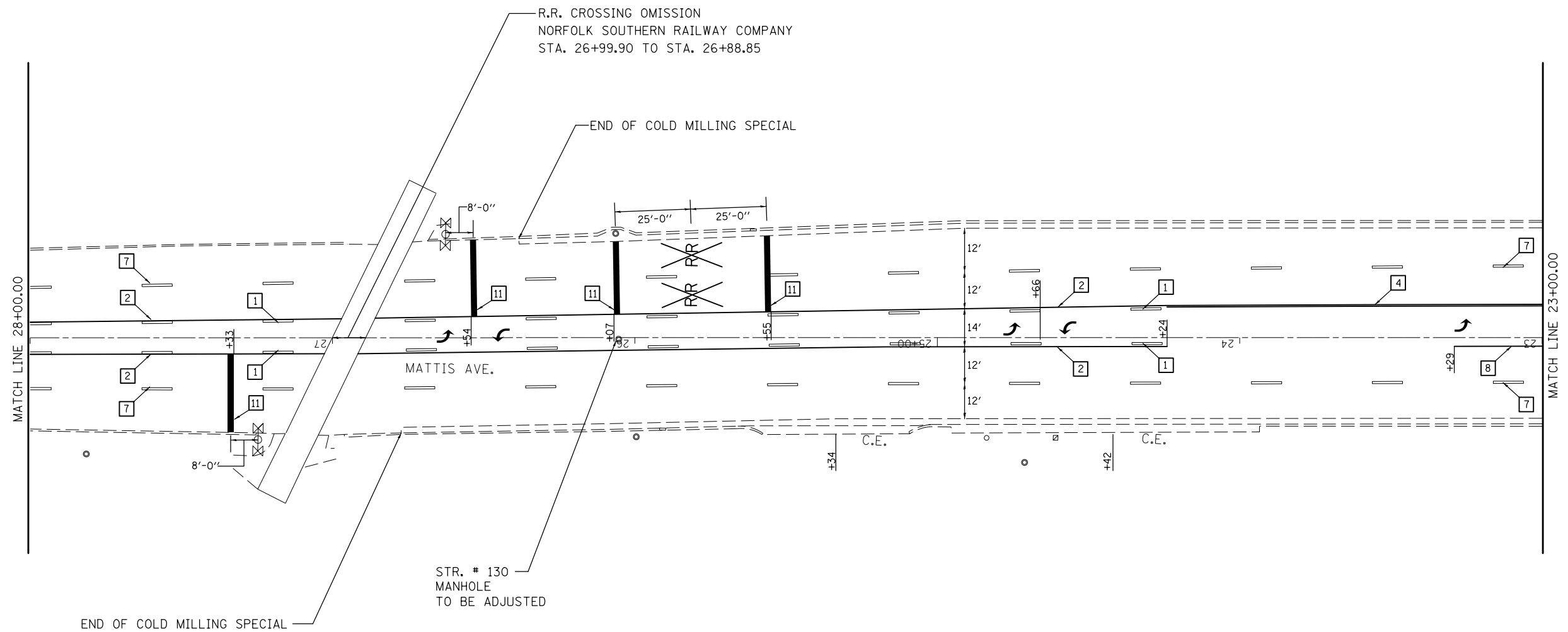
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A70	



NOTES: 1. SEE DISTRICT 5 DETAIL NO. 7800AAAA FOR PAVEMENT MARKING LEGENED.

2. NO INCIDENTAL WORK IS INCLUDED IN THIS CONTRACT.



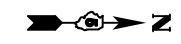
FILE NAME =	USER NAME = avusuglob	DESIGNED BMC	REVISED -
c:\pwork\pwork\avusuglob\d0385126\0570A70-shit-plan\Spring Const. Fundl.dgn		DRAWN BMC	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/3/2014	DATE 11-29-2010	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

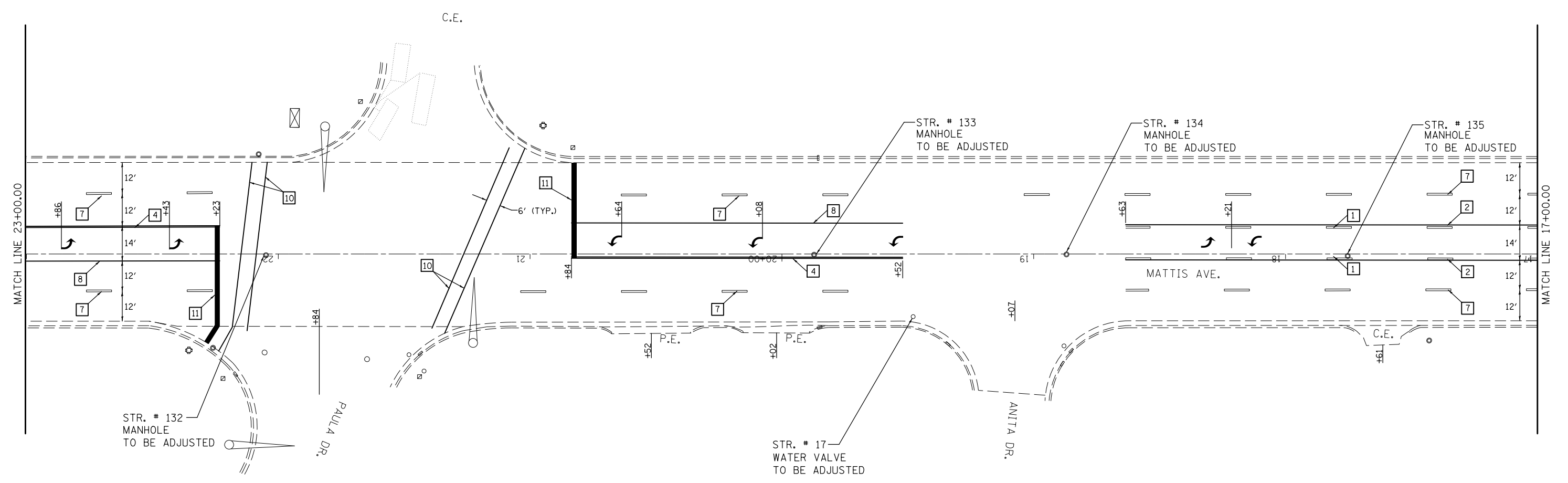
**RESURFACING &  
PAVEMENT MARKING DETAILS - LOCATION #2**

SCALE: N/A      SHEET NO. 5 OF 8 SHEETS      STA. 28+00.00 TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	35
CONTRACT NO. 70A70			ILLINOIS FED. AID PROJECT	



NOTES: 1. SEE DISTRICT 5 DETAIL NO. 7800AAAA FOR PAVEMENT MARKING LEGENED.  
 2. NO INCIDENTAL WORK IS INCLUDED IN THIS CONTRACT.



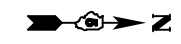
FILE NAME =	USER NAME = avusuglob	DESIGNED BMC	REVISED -
c:\pwork\pwork\avusuglob\d0385126\0570A70-shit-plan\Spring Const. Fundl.dgn		DRAWN BMC	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/3/2014	DATE 11-29-2010	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

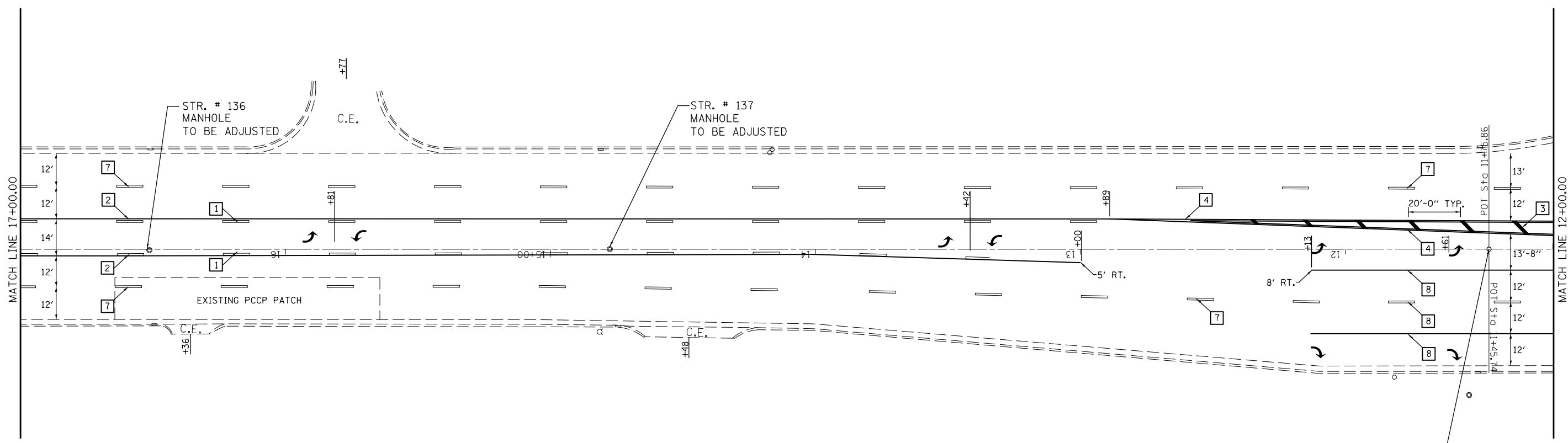
**RESURFACING &  
 PAVEMENT MARKING DETAILS - LOCATION #2**

SCALE: N/A      SHEET NO. 6 OF 8 SHEETS      STA. 23+00.00 TO STA. 17+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	36
CONTRACT NO. 70A70			ILLINOIS FED. AID PROJECT	

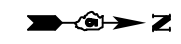


NOTES: 1. SEE DISTRICT 5 DETAIL NO. 7800AAAA FOR PAVEMENT MARKING LEGENED.  
 2. NO INCIDENTAL WORK IS INCLUDED IN THIS CONTRACT.



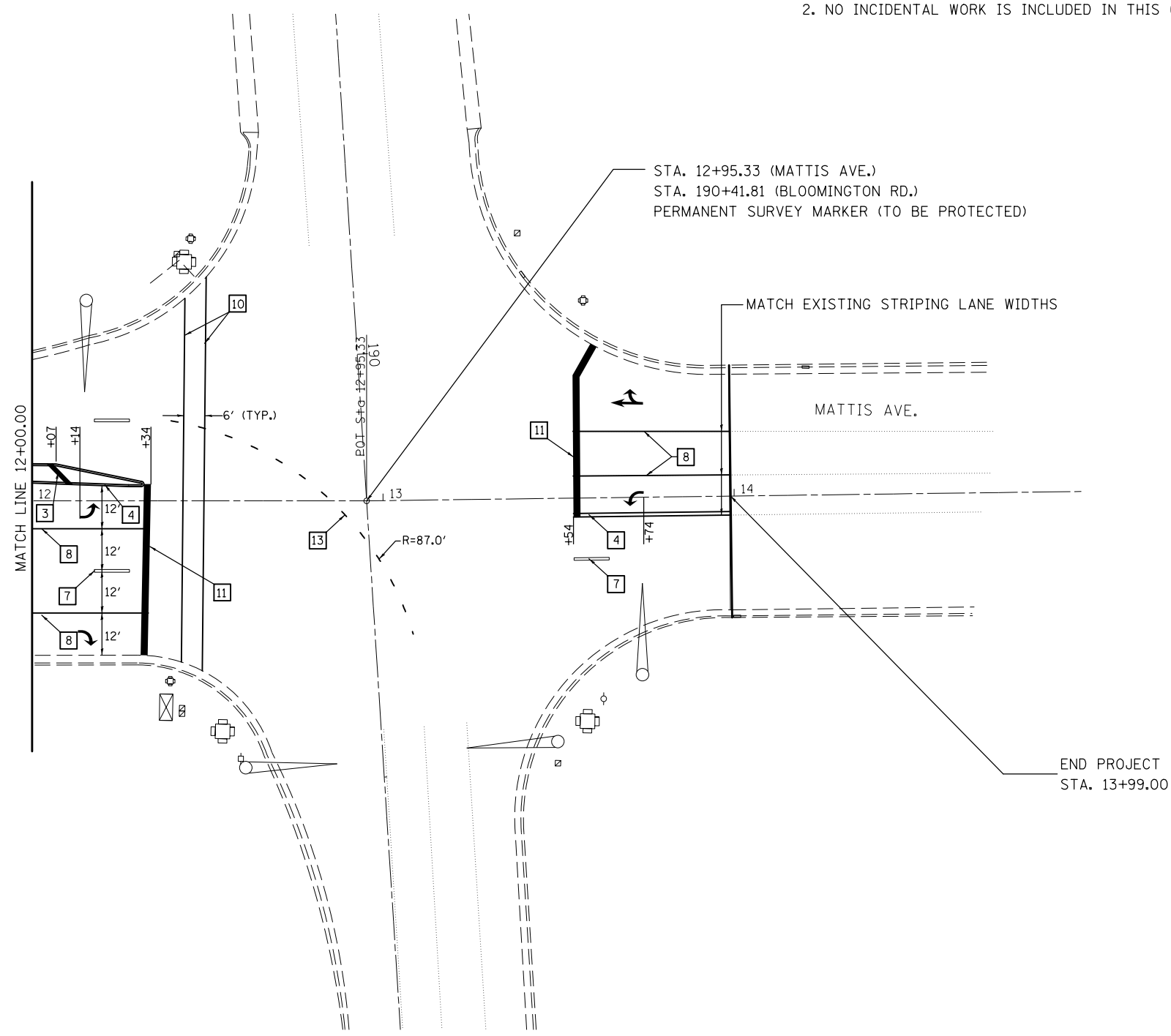
STATION EQUATION: 11+45.74 (BK) = 11+75.86 (AH)

FILE NAME = e:\pwork\pwork\dot\avusuglob\d0385126\0570A70-shit-plan\Spring Const. Fundl.dgn	USER NAME = avusuglob	DESIGNED BMC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RESURFACING &amp; PAVEMENT MARKING DETAILS - LOCATION #2</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -					811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	37
PLOT DATE = 4/3/2014	DATE 11-29-2010	REVISED -	REVISED -		SCALE: N/A	SHEET NO. 7 OF 8 SHEETS	STA. 17+00.00 TO STA. 12+00.00	CONTRACT NO. 70A70				
							ILLINOIS FED. AID PROJECT					



NOTES: 1. SEE DISTRICT 5 DETAIL NO. 7800AAAA FOR PAVEMENT MARKING LEGENED.

2. NO INCIDENTAL WORK IS INCLUDED IN THIS CONTRACT.



FILE NAME =	USER NAME = avusuglob	DESIGNED BMC	REVISED -
c:\pwork\pwork\avusuglob\0385126\0570A70-shit-plan\Spring Const.Fundl.dgn		DRAWN BMC	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/3/2014	DATE 11-29-2010	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

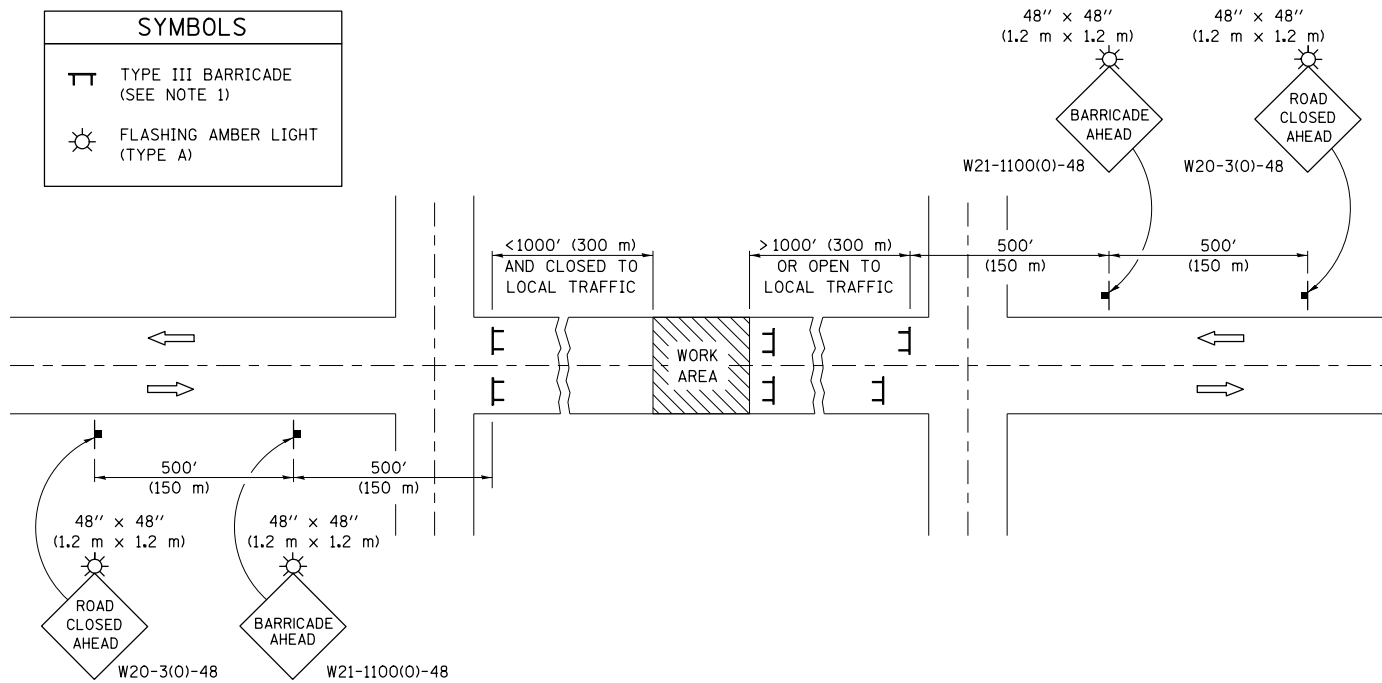
<b>RESURFACING &amp; PAVEMENT MARKING DETAILS - LOCATION #2</b>		
SCALE: N/A	SHEET NO. 8 OF 8 SHEETS	STA. 12+00.00 TO STA. 13+99.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	38
CONTRACT NO. 70A70			ILLINOIS FED. AID PROJECT	

# ROAD CLOSURE

# SIDEROAD / STREET CLOSURE

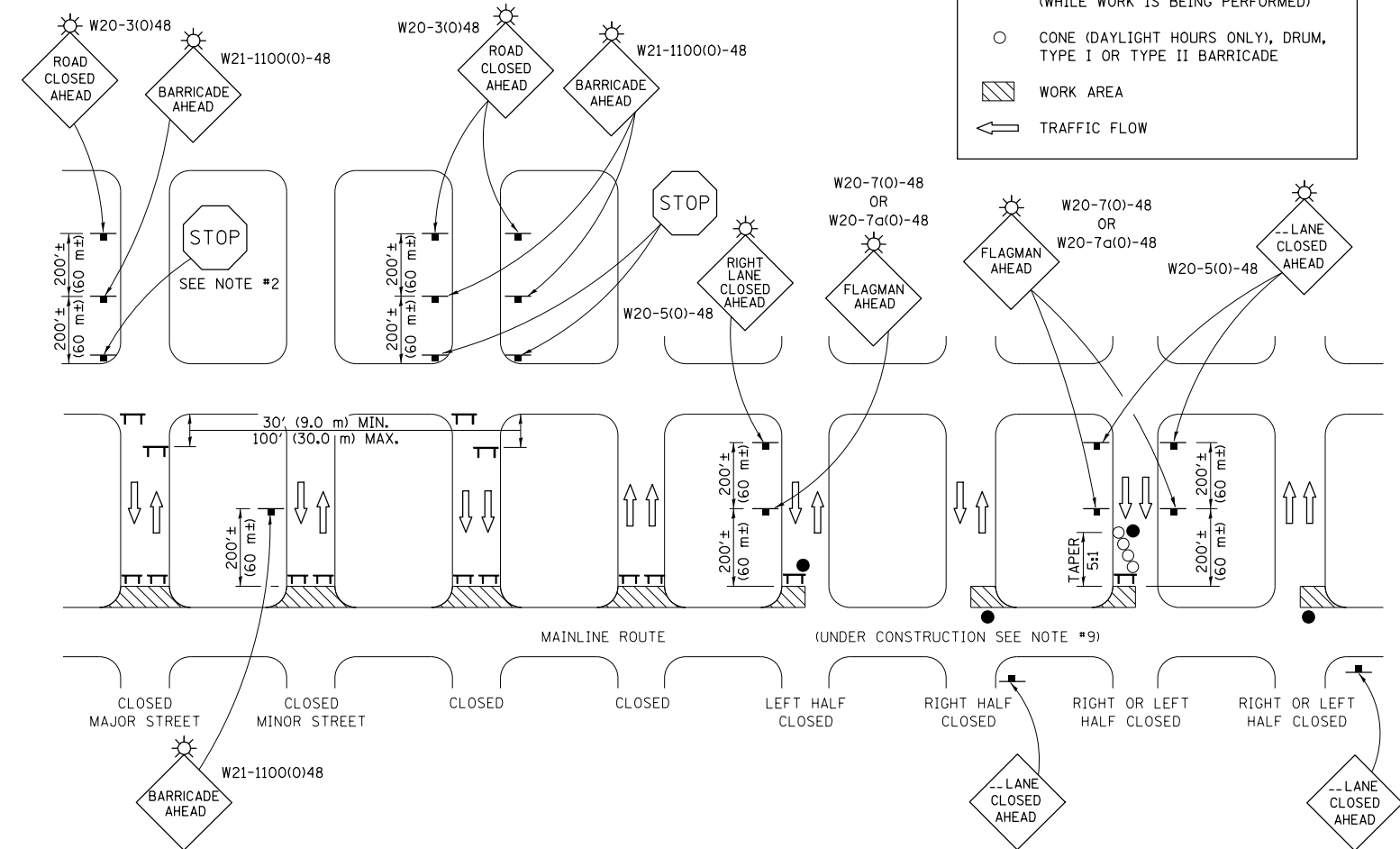
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



## GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SYMBOLS	
	TYPE III BARRICADE (SEE NOTE)
	FLASHING LIGHT
	FLAGGER WITH TRAFFIC CONTROL SIGN (WHILE WORK IS BEING PERFORMED)
	CONES (DAYLIGHT HOURS ONLY), DRUM, TYPE I OR TYPE II BARRICADE
	WORK AREA
	TRAFFIC FLOW



## GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED - 11/06
ei:\pw\work\p\dot\avusuglob\d0385126\0570A70-shit-details\Spring Const. Funds\dgn		DRAWN -	REVISED - 12/07
		CHECKED -	REVISED - 09/09 - KJT
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION DEVICES  
(ROAD & SIDEROAD/STREET CLOSURES)

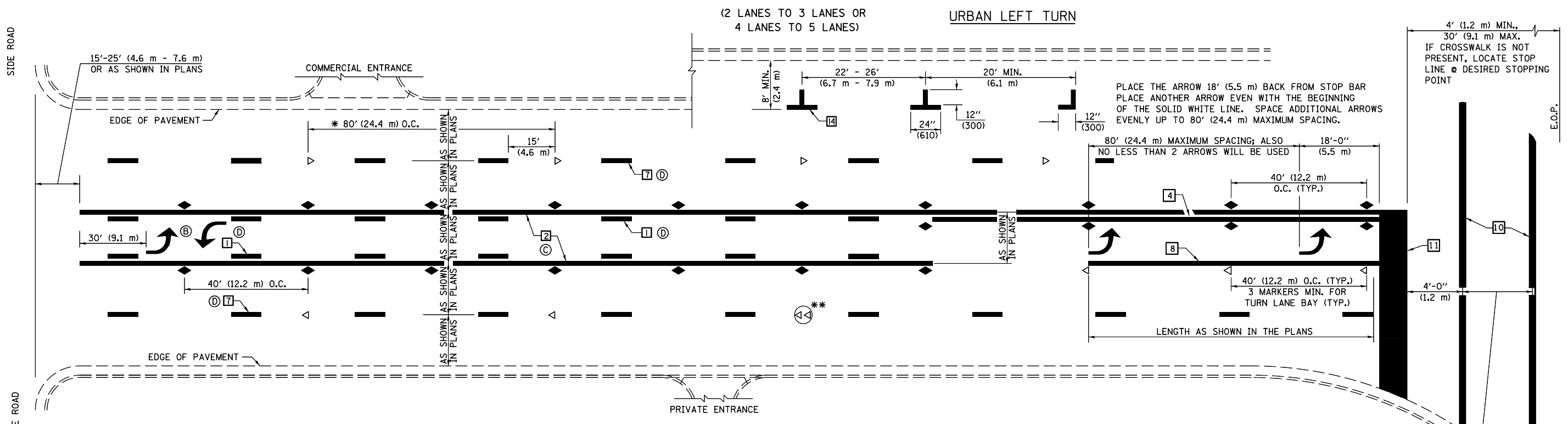
SCALE: -- SHEET NO. 1 OF 1 SHEETS STA. ---- TO STA. ----

DISTRICT 5 DETAIL NO. 7020000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 804 & 811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	39
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 70A70



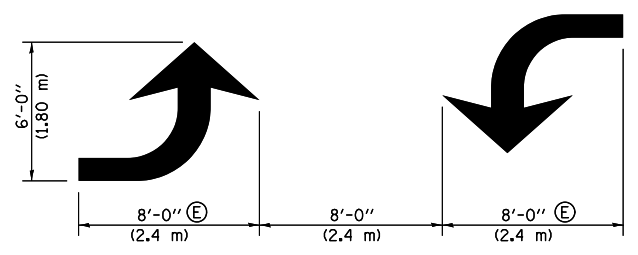
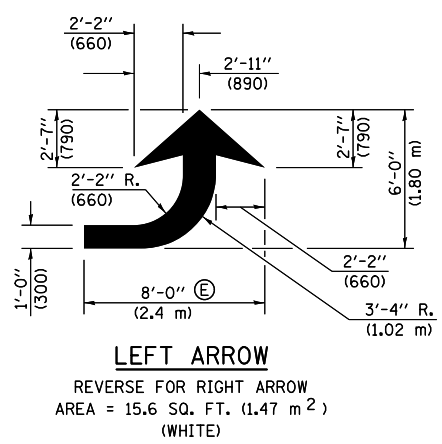




\* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

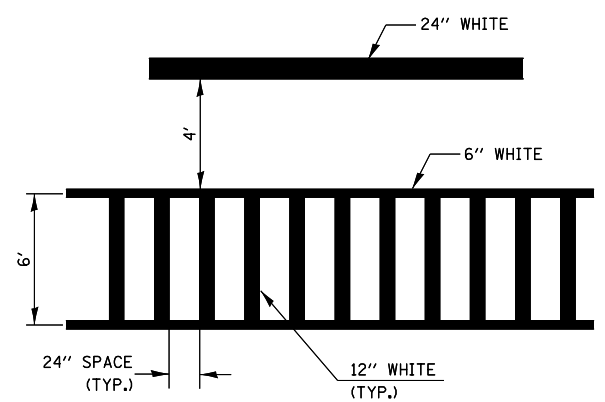
\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

- GENERAL NOTES:**
- ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
  - ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
  - ⓓ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
  - ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)

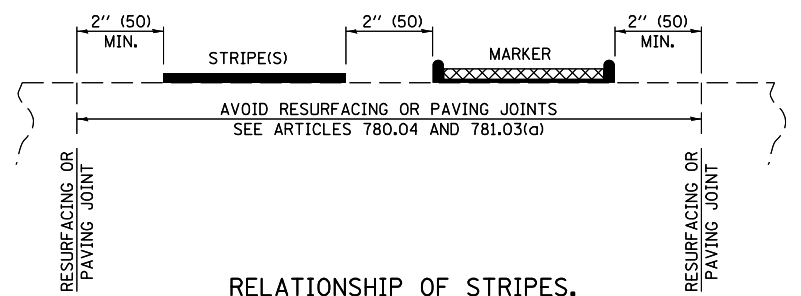


TYPICAL DOUBLE TURN ARROWS (WHITE)

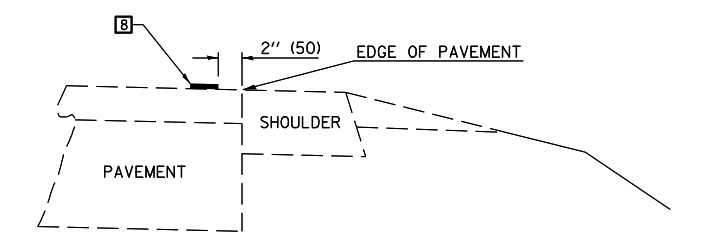
**BLOOMINGTON-NORMAL CITY LIMITS ONLY**



TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

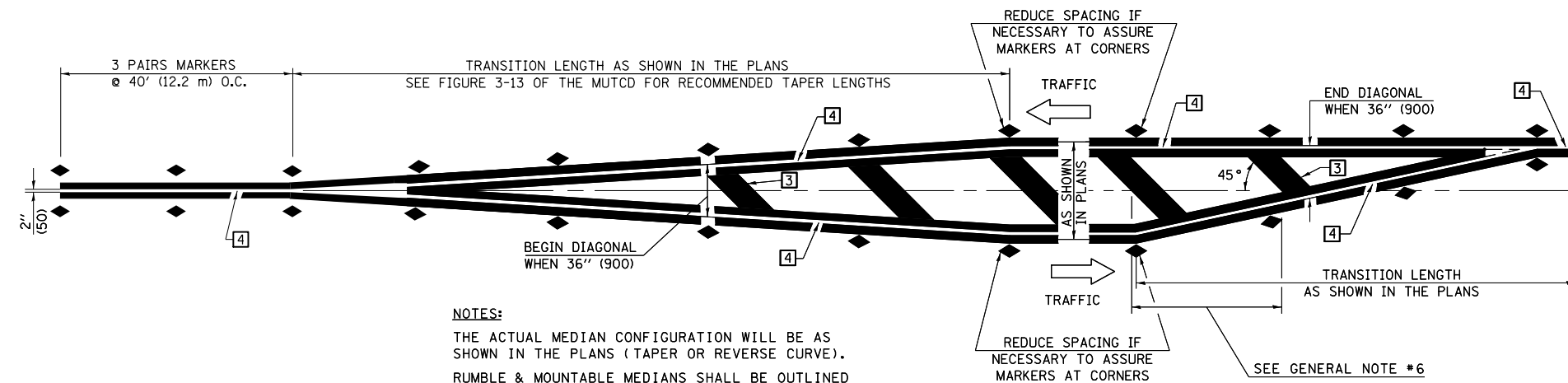


RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT (SAFETY SHOULDER OR PAVED SURFACE) SEE ARTICLE 780.04

CROSSWALK WIDTH 6'-0" (1.8 m) OR AS SHOWN IN THE PLANS

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED - 11/06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\avusuglob\d0385126\0570A70-shit-details\Spring Const. Funds\dgn		DRAWN -	REVISED - 09/2009 - KJT			* D5 PATCH & RES 2014-2	CHAMPAIGN	45	41	
		CHECKED -	REVISED -			*804 & 811	CONTRACT NO. 70A70			
		DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

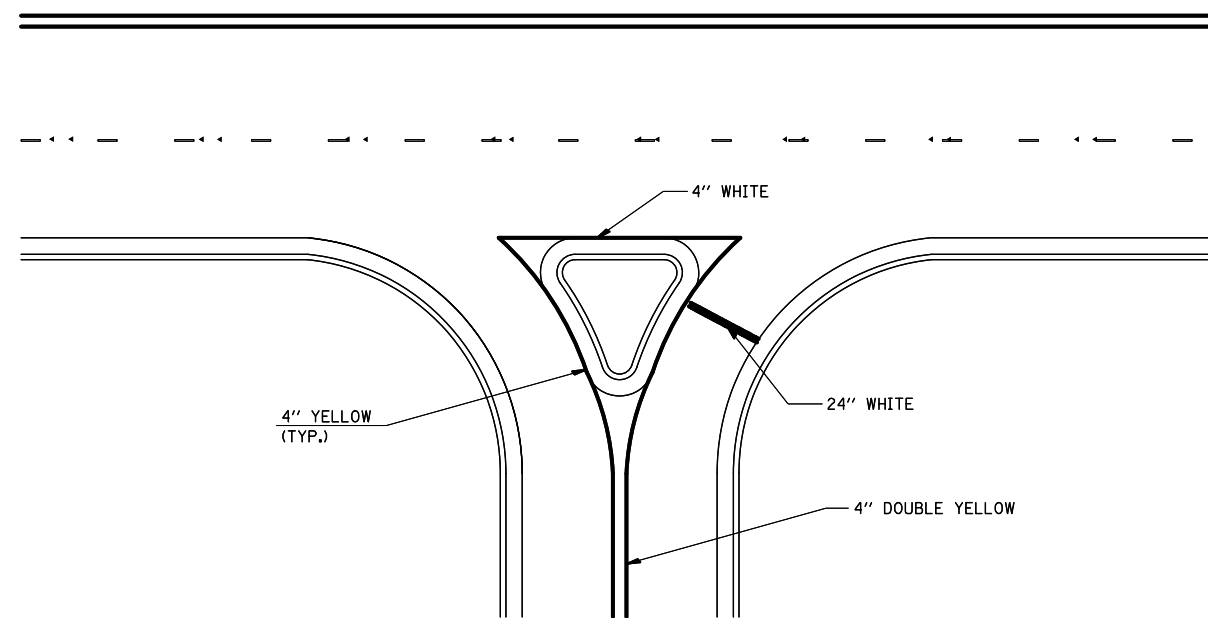


**NOTES:**  
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).  
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

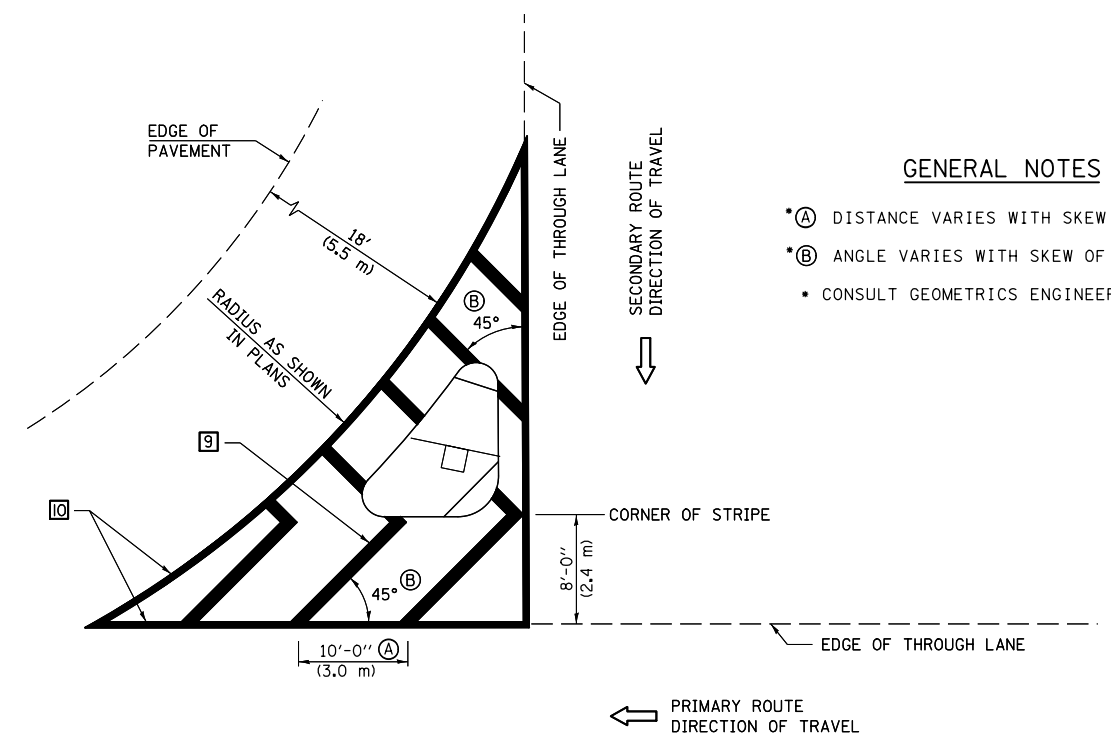
**TYPICAL MEDIAN TRANSITIONS**

**GENERAL NOTES**

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,  
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)  
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)  
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



**RIGHT IN - RIGHT OUT ACCESS**



**GENERAL NOTES**

- (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- (B) ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

**ISLAND**

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED - 11/06
c:\pwork\pwork\avusuglob\d0385126\0570A70-shd-details\Spring Const.Funds\dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/3/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

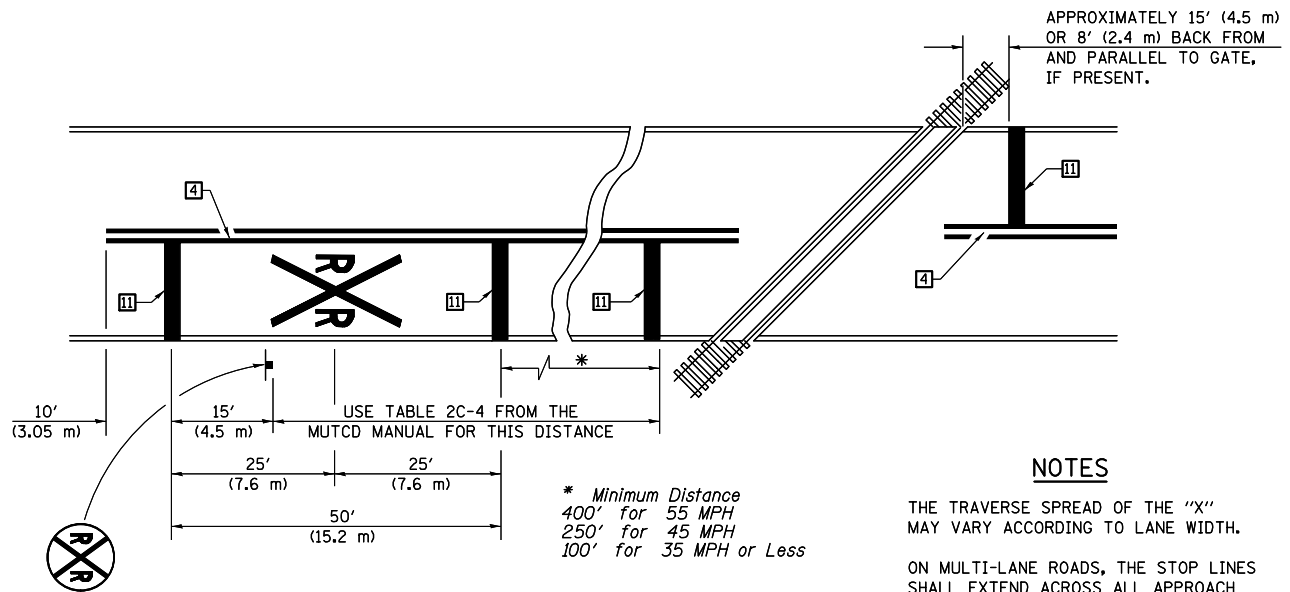
**PAVEMENT MARKING AND MARKERS  
 (RURAL & URBAN APPLICATIONS)**

SCALE: -- SHEET NO. 3 OF 4 SHEETS STA. -- TO STA. --

<b>DISTRICT 5 DETAIL NO. 7800AAA</b>			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
* D5 PATCH & RES 2014-2		CHAMPAIGN	45
* 804 & 811		CONTRACT NO.	70A70
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



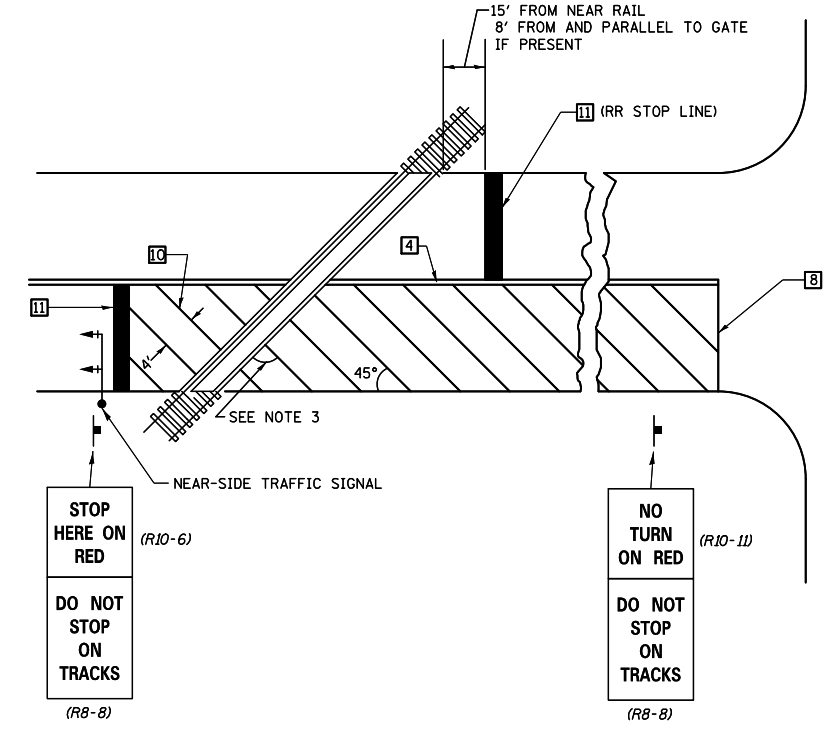
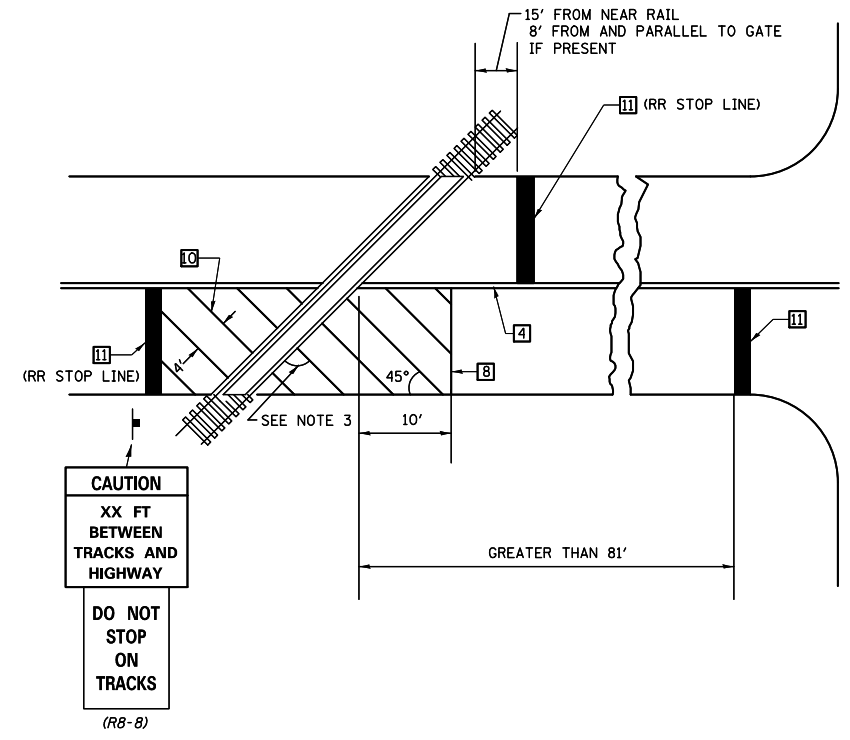
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

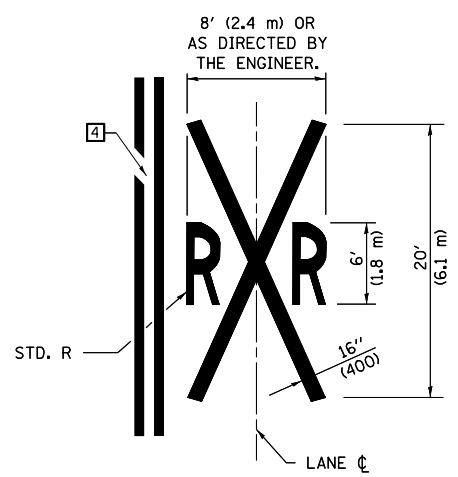
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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	PLOT DATE = 4/3/2014	DATE -	REVISED -

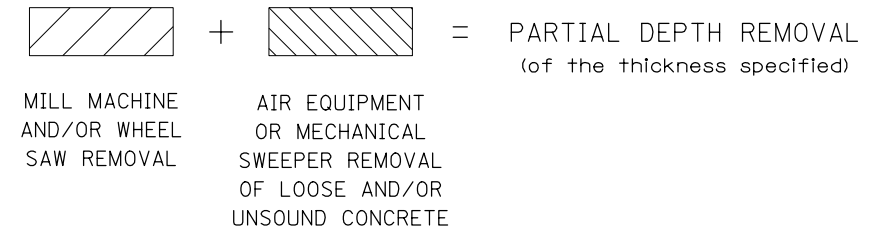
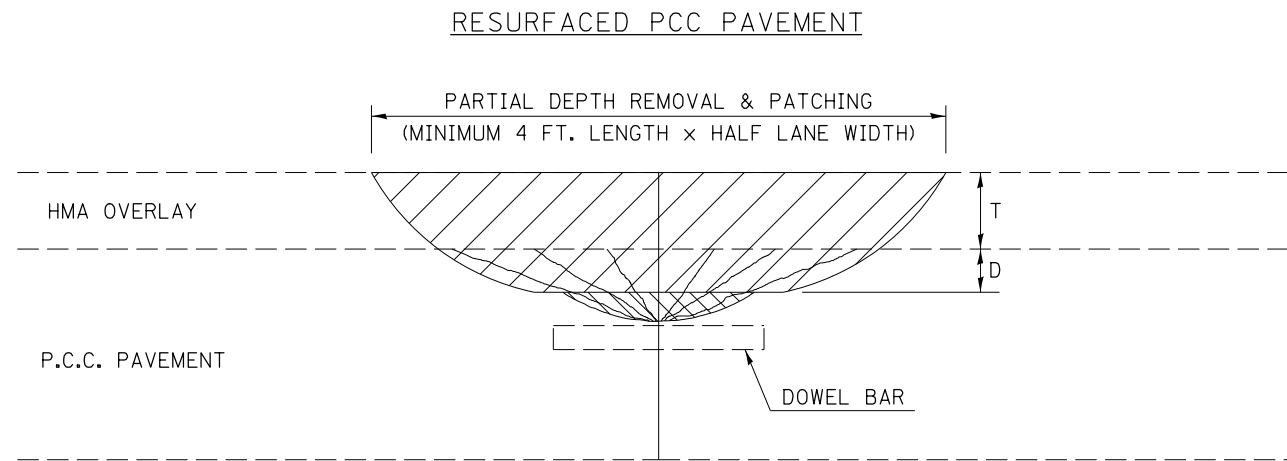
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PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)

SCALE: -- SHEET NO. 4 OF 4 SHEETS STA. -- TO STA. --

DISTRICT 5 DETAIL NO. 7800AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 804 & 811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	43
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 70A70		



**DESIGN NOTES**

PARTIAL DEPTH HMA PATCHING SHALL NOT BE USED WHEN HMA OVERLAY THICKNESS (T) ON PCC PAVEMENT EXCEEDS 4 3/4 INCHES (121 mm) OR ON CRC PAVEMENT.

**GENERAL NOTES**

ALL VOLUME OF PARTIAL DEPTH REMOVAL SHALL BE REPLACED WITH HOT-MIX ASPHALT (HMA) AND PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR PARTIAL DEPTH PATCHING.

T = THICKNESS OF HMA OVERLAY(S). SEE EXISTING TYPICAL CROSS SECTION.

GENERAL NOTE 406H SHALL INCLUDE MIXTURE REQUIREMENTS FOR PARTIAL DEPTH PATCHING.

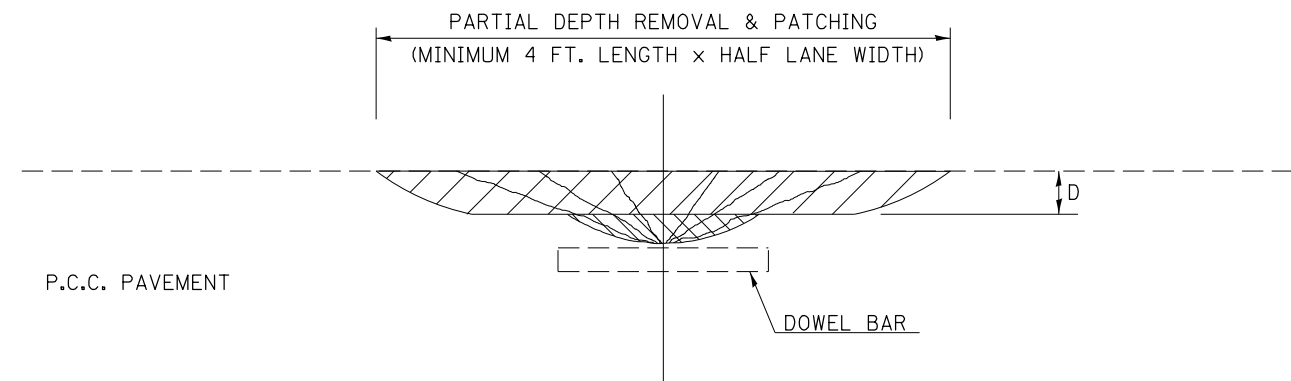
HMA REPLACEMENT IN RESURFACED PCC PAVEMENT LOCATIONS SHALL BE ACCORDING TO SECTION 406 OF THE STANDARD SPECIFICATIONS.

D = DEPTH OF PARTIAL DEPTH REMOVAL INTO EXISTING PCC PAVEMENT. (3" (75 mm) ± OR TO SOUND CONCRETE)

TRANSVERSE CONTRACTION JOINT SHOWN - OTHER LOCATIONS SIMILAR.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**BARE PCC PAVEMENT**



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	PLOT DATE = 4/3/2014	DATE -	REVISED -

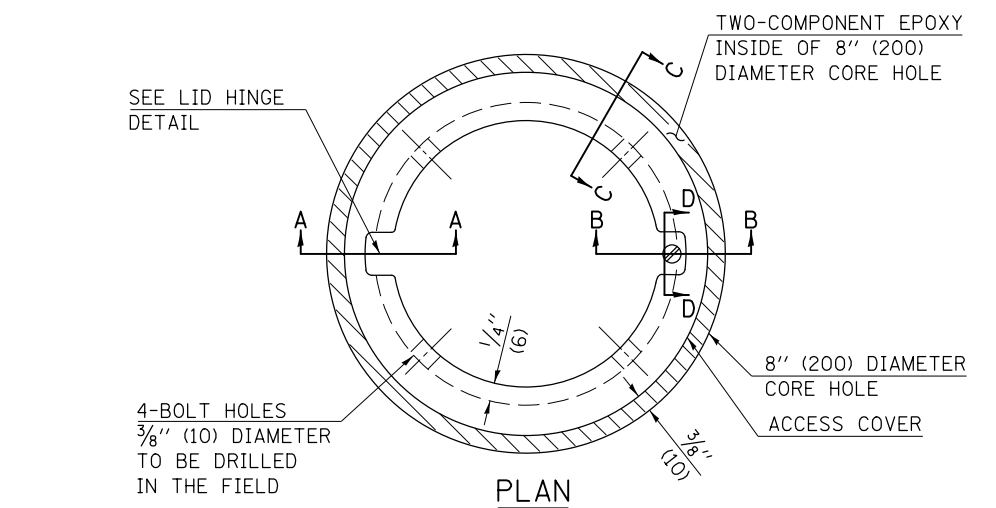
**STATE OF ILLINOIS  
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**PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING**

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

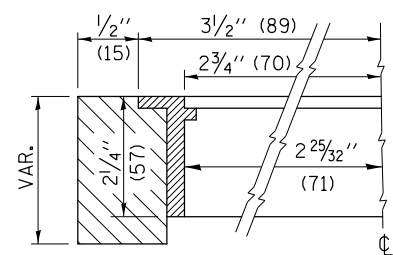
DISTRICT 5 DETAIL NO. XX442100				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 804 & 811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	44
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 70A70		

TO BE INSTALLED IN ALL PAVEMENT TYPES FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S) AND LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)

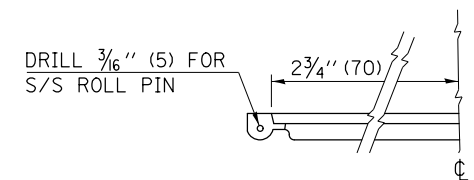
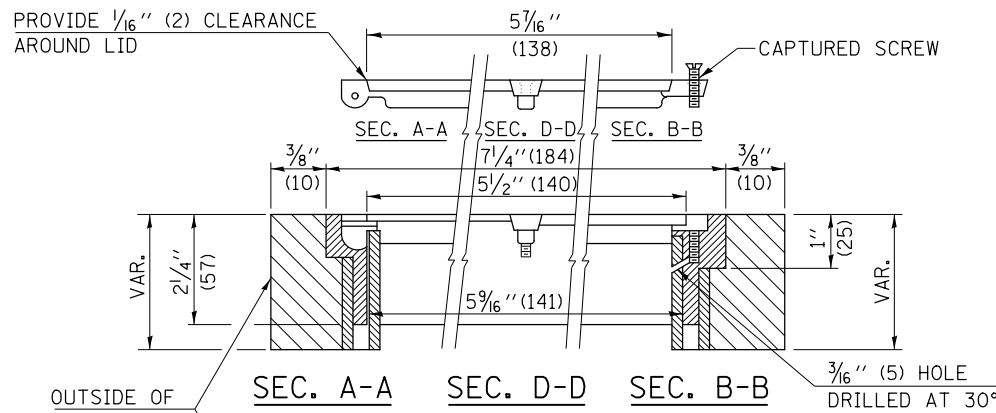


**LEGEND**

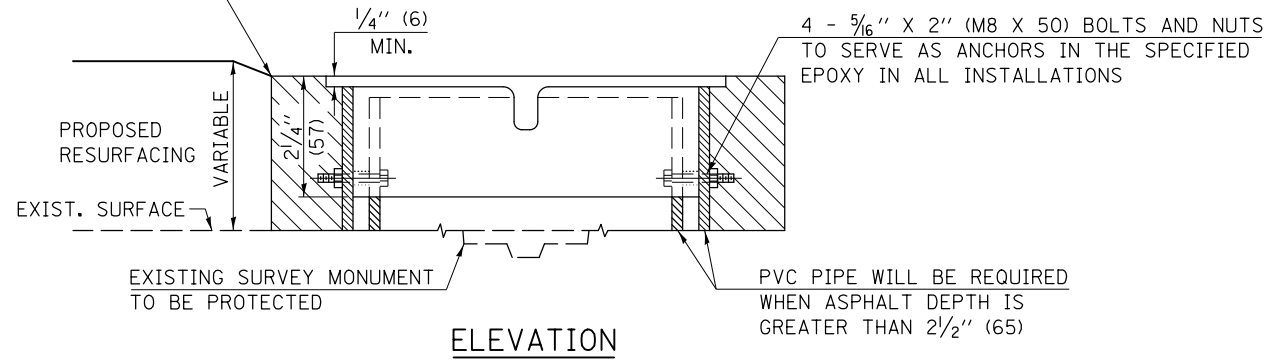
- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY



**SECTION C-C**



**LID HINGE DETAIL**



**ELEVATION**

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; Q0-A-601Es. NO EXCEPTIONS.

**BILL OF MATERIAL**

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).

**GENERAL NOTES**

1. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
2. THE SURVEY MONUMENT COVER ASSEMBLY SHALL BE CENTERED ABOVE THE SURVEY MONUMENT TO BE PROTECTED.
3. MODIFICATION OF THE ALUMINUM CASTING SHALL BE DONE BY GRINDING OR SAWING WHEN HEIGHT REDUCTION IS REQUIRED.
4. ALL SURVEY MONUMENT COVER ASSEMBLIES SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
5. ALUMINUM CASTING SHALL BE PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE WHEN AN INCREASE IN HEIGHT IS REQUIRED.
6. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
7. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MONUMENT COVER ASSEMBLY WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING THE NEW PAVEMENT SURFACE AND EPOXY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 5 DETAIL NO. Z0070100**

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**SURVEY MONUMENT COVER ASSEMBLY**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 804 & 811	D5 PATCH & RES 2014-2	CHAMPAIGN	45	45
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A70	