

06-14-13 LETTING ITEM 243

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

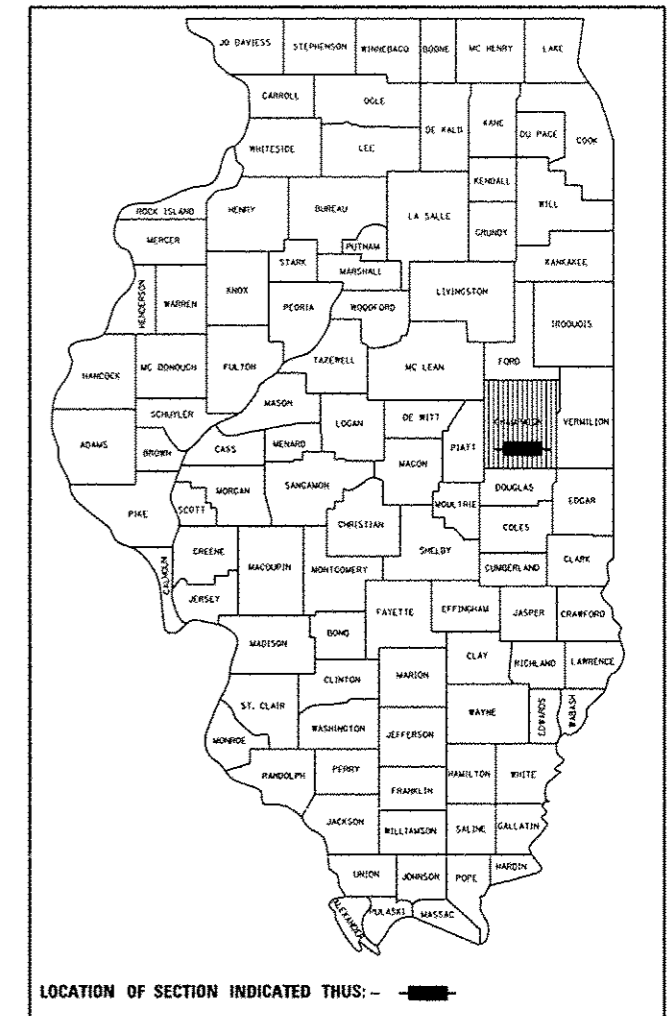
FAS ROUTE 525 (BROADLANDS RD.)
 SECTION (41,48,81)Q
 PROJECT RS-0525(205)
 RESURFACING & SEAL COAT
 CHAMPAIGN COUNTY

C-95-002-13

LONGVIEW ROAD TO ILLINOIS 49

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(41,48,81)Q	CHAMPAIGN	28	1
		ILLINOIS	CONTRACT NO. 70A15	

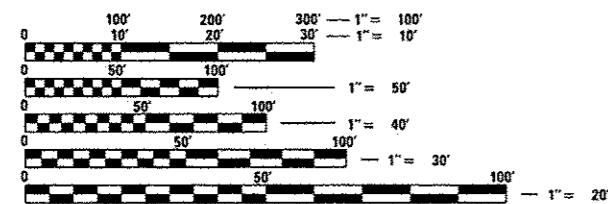
D-95-002-13



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

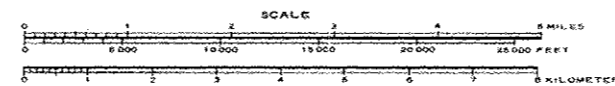
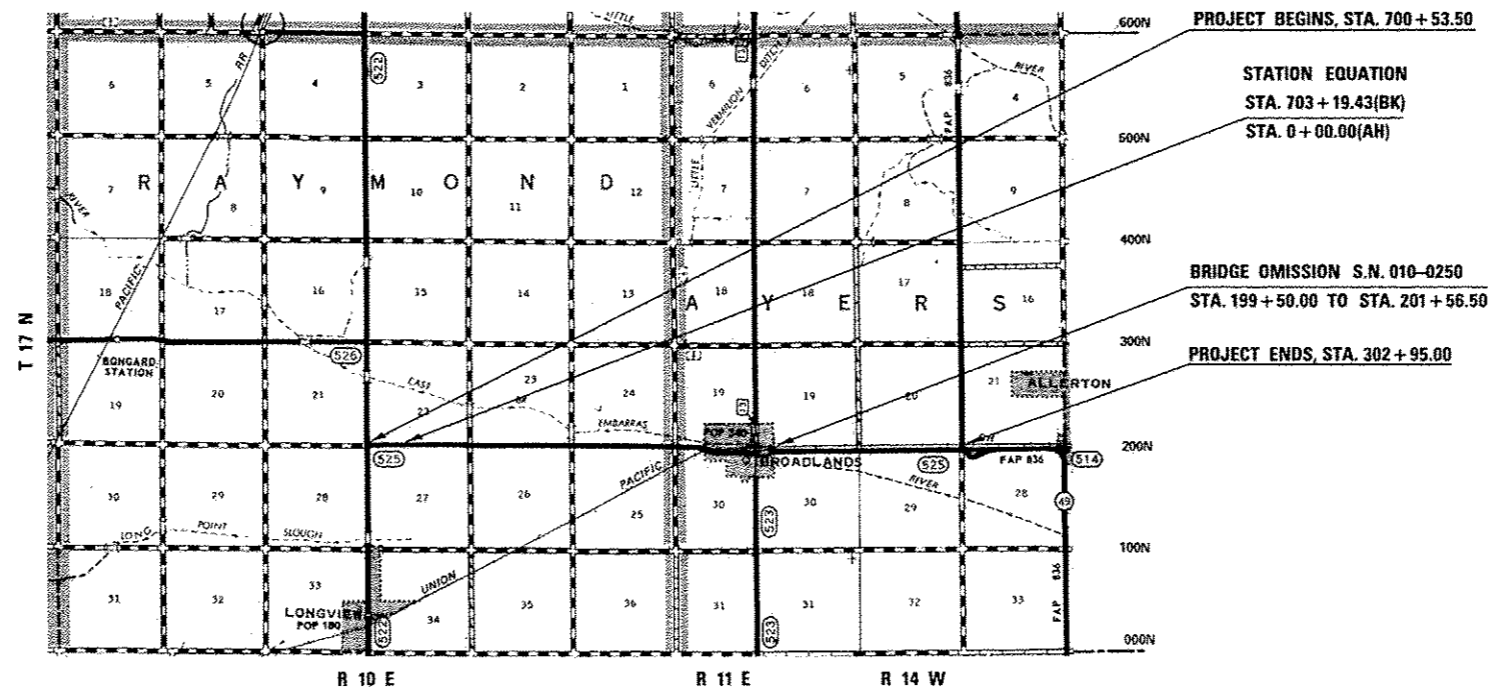
DESIGN DESIGNATION
 MAJOR COLLECTOR

CURRENT TRAFFIC DATA
 750 (2013)



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 RAYMOND & AYERS TOWNSHIP



GROSS LENGTH = 30,560.93 FT. = 5.79 MILES
 NET LENGTH = 30,354.43 FT. = 5.75 MILES

PROJECT ENGINEER: NANCY FASIG (217-465-4181)
 DESIGN SQUAD LEADER: BRENT CEARLOCK
 DESIGNER: BRIGHT AVUSUGLO
 CONTRACT NO. 70A15

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED MARCH 22, 2013
Joseph E. Crowe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER *and*

April 26, 2013
John D. Baranzelli, P.E.
 ENGINEER OF DESIGN AND ENVIRONMENT

April 26, 2013
Omer Osman, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS & HIGHWAY STANDARDS
3	GENERAL NOTES
4-5	SUMMARY OF QUANTITIES
6-7	EXISTING AND PROPOSED TYPICAL CROSS SECTIONS
8-10	SCHEDULE OF QUANTITIES
11-21	PLAN SHEETS
22	BUTT JOINT DETAILS
23	PRIVATE & COMMERCIAL ENTRANCE OR FIELD ENTRANCE (EXISTING AGGREGATE)
24-27	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
28	SURVEY MONUMENT COVER ASSEMBLY

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-02	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL PAVEMENT MARKINGS

FILE NAME : c:\p\work\p101\evusuglab\00333684\05	USER NAME : evusuglab 0015-shi.gennote.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND HIGHWAY STANDARDS	F.A.S. RTE. 525	SECTION (41,48,81,10)	COUNTY CHAMPAIGN	TOTAL SHEETS 28	SHEET NO. 02
#MODELNAME#	PLOT SCALE : 40,0000 ' / 1"	CHECKED - DATE -	REVISED - REVISED -	SCALE: N/A SHEET 1 OF 1 SHEETS STA. ---- TO STA. ----		CONTRACT NO. 70A15 ILLINOIS FED. AID PROJECT				

GENERAL NOTES

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. -105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G. N. -107.37
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED.
J. U. L. I. E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123 OR 811.

G. N. -403 (SPEC)
BITUMINOUS SURFACE TREATMENTS:
GRADATION CA-16 (MID-SPEC.) IS ASSUMED FOR SEAL COATS.

THE RESULTING TARGET APPLICATION RATES ARE AS FOLLOWS:

TYPE OF CONSTRUCTION	APPLICATION	BITUMINOUS MATERIAL	APPLICATION RATE	AGGREGATE	APPLICATION RATE
A-2	1ST	HFP OR CRSP OIL	0.5 GAL/SQ. YD	CA-16	25 LB/SQ. YD
	2ND	HFP OR CRSP OIL	0.4 GAL/SQ. YD	CA-16	25 LB/SQ. YD

NOTE: THE ENGINEER RESERVES THE RIGHT TO ADJUST THE TARGET APPLICATION RATES AND THE QUANTITIES.

*NOTE: DO NOT PUDDLE PRIME.

G. N. -667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTIONS AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONEL WILL BE RESPONSIBLE FOR LAYOUT OF THESE MARKERS.

G. N. -406 (SPEC)
THE QUANTITIES INCLUDED IN THE PLANS FOR COLD-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE COLD-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G. N. -1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

COMMITMENTS
THERE ARE NO COMMITMENTS ASSOCIATED WITH THIS PROJECT.

FILE NAME :	USER NAME : avusuglab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
or\p\work\pvd\avusuglab\0332684\05	0415-shr-gennote.dgn	DRAWN -	REVISED -					525	(41,48,81)0	CHAMPAIGN	28	03
MODEL NAME :	PLOT SCALE : 48.0000' / 1" =	CHECKED -	REVISED -		SCALE: N/A	SHEET 1	OF 1	SHEETS	STA. -----	TO STA. -----	ILLINOIS FED. AID PROJECT	
	PLOT DATE : 3/21/2013	DATE -	REVISED -		CONTRACT NO. 70A15							

LOCATION: FAS 525 (BROADLANDS ROAD)

CHAMPAIGN COUNTY

STA. 700+53.50 TO 302+95.00

RURAL - TWO LANE

FUNDING BREAKOUT: 80% FEDERAL

20% STATE

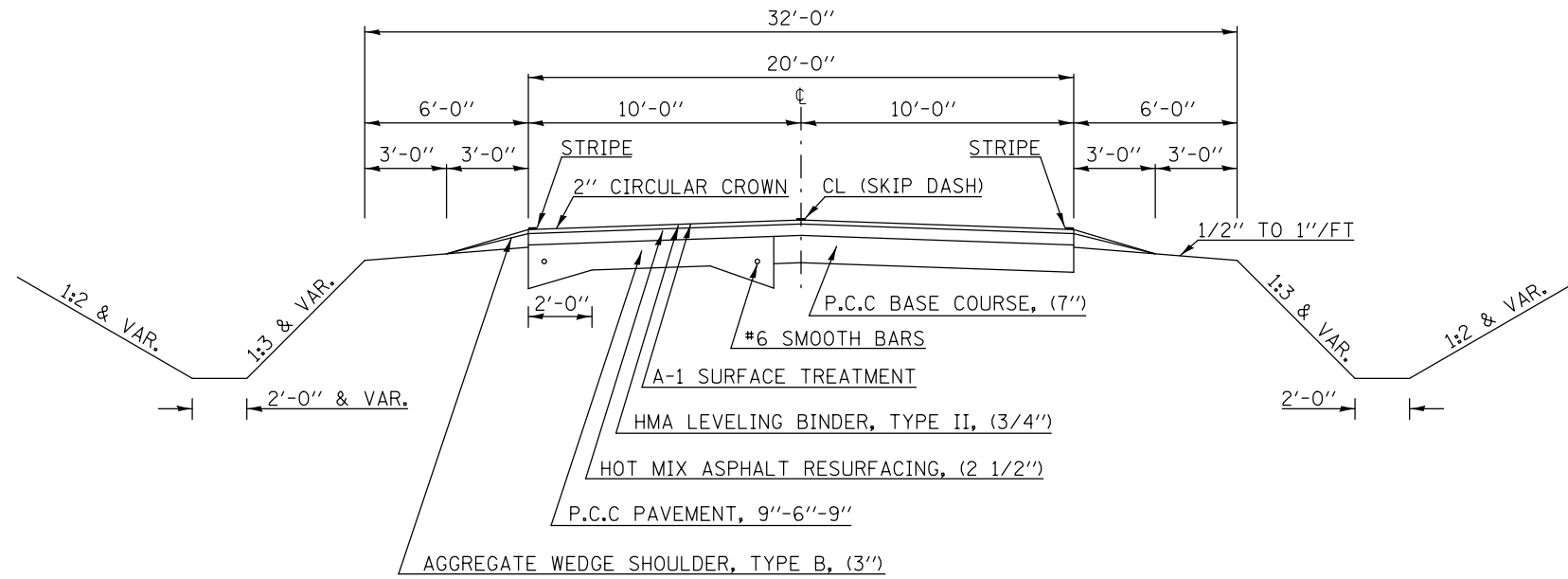
CONSTRUCTION CODE: 0005

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
35800100	PREPARATION OF BASE	SQ YD	5.0
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	82.0
40300305	POLYMERIZED BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	60710.0
40300500	COVER COAT AGGREGATE	TON	844.0
40300600	SEAL COAT AGGREGATE	TON	844.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	10119.0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT	SQ YD	400.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	124.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	130.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2545.0
67100100	MOBILIZATION	L SUMI	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUMI	1.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	63498.0
LR400300	BLOTTER AGGREGATE	TON	506.0
* DENOTES SPECIALTY ITEM			

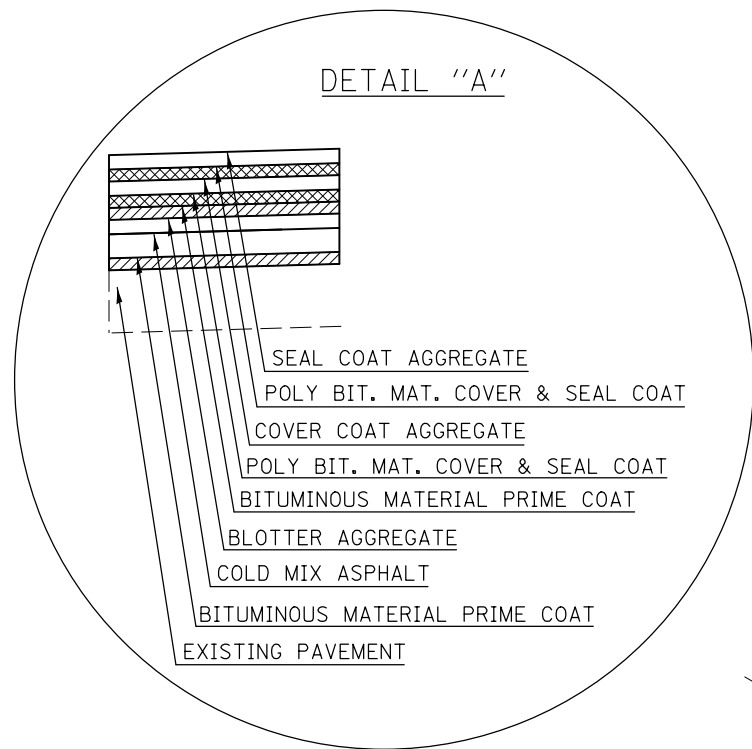
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MODELNAME	PLOT SCALE : 48.0000 ' / in.	CHECKED :	REVISED :		SCALE: N/A SHEET 1 OF 02 SHEETS STA. ---- TO STA. ----				CONTRACT NO. 70A15				
	PLOT DATE : 3/21/2013	DATE :	REVISED :		ILLINOIS FED. AID PROJECT								

EXISTING TYPICAL CROSS SECTION ①

STATION	TO	STATION
700+53.50		703+19.43 (BK)
0+00.00 (AH)		172+07.00
201+03.00		302+95.00

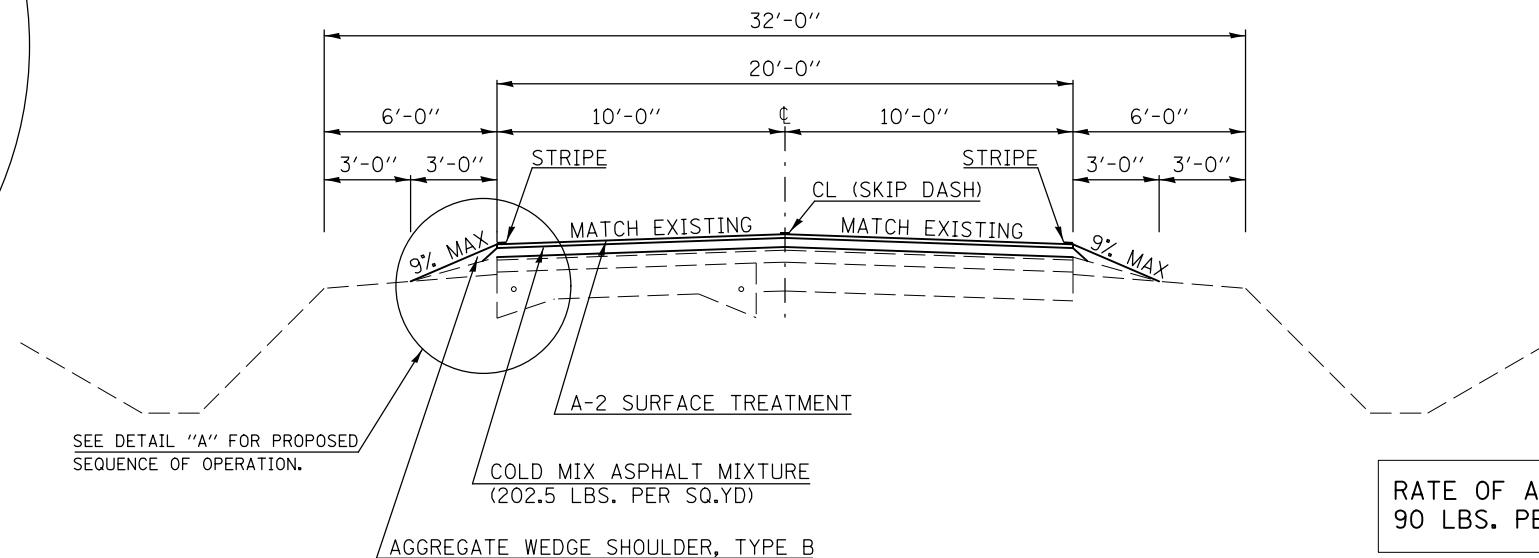


DETAIL "A"



PROPOSED TYPICAL CROSS SECTION ①

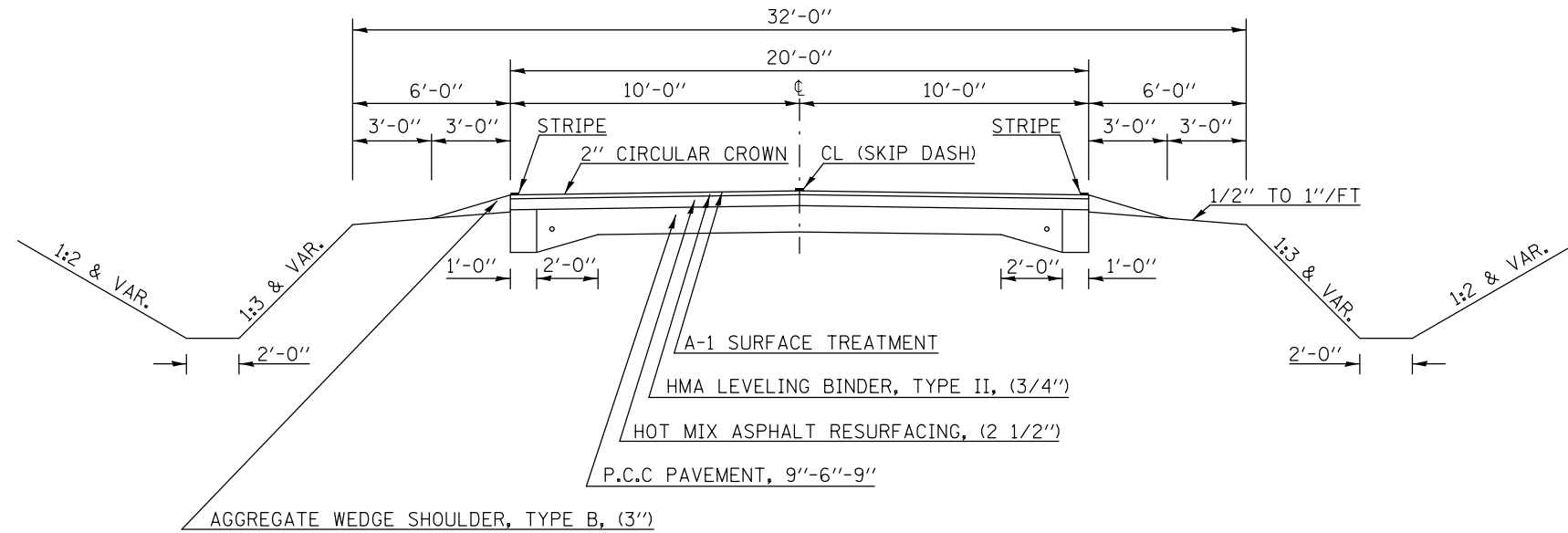
STATION	TO	STATION
700+53.50		703+19.43 (BK)
0+00.00 (AH)		172+07.00 ②
② 201+03.00		302+95.00



RATE OF APPLICATION FOR COLD MIX ASPHALT MIXTURE:
90 LBS. PER SQ. YD. PER INCH

EXISTING TYPICAL CROSS SECTION ②

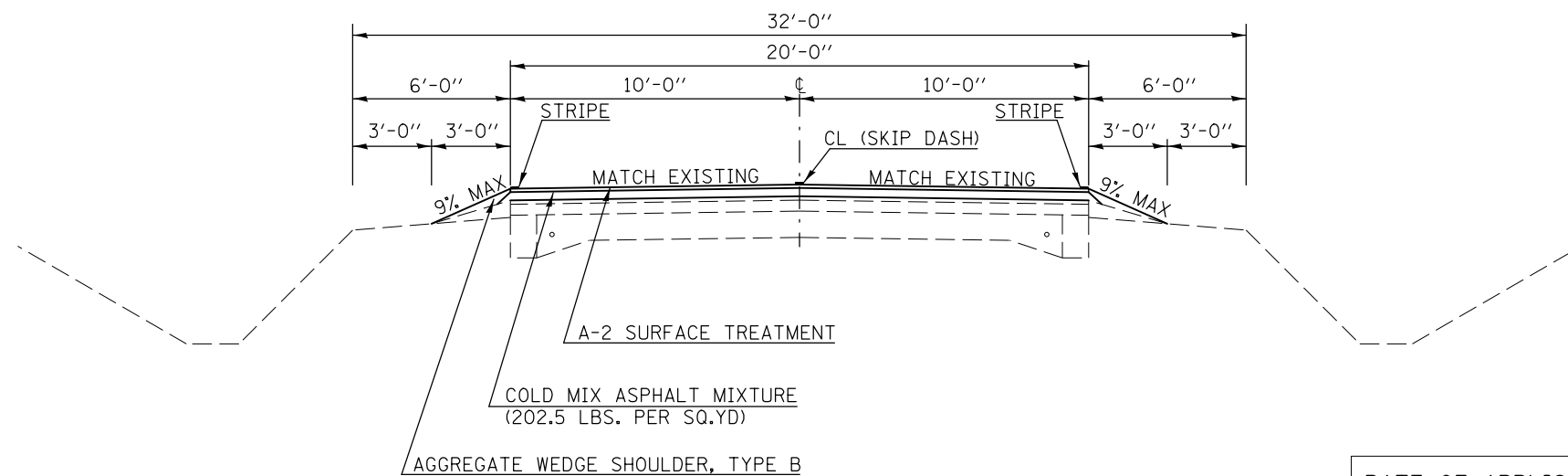
STATION TO STATION
172+07.00 201+03.00



PROPOSED TYPICAL CROSS SECTION ②

STATION TO STATION
① 172+07.00 201+03.00 ①

NOTE: BRIDGE OMMISION (SN 010-0250):
STA. 199+50.00 TO STA. 201+56.50



RATE OF APPLICATION FOR COLD MIX ASPHALT MIXTURE:
90 LBS. PER SQ. YD. PER INCH

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL CROSS SECTIONS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			525	(41,48,81)Q	CHAMPAIGN	28	07	
		CHECKED -	REVISED -			CONTRACT NO. 70A15					
#MODELNAME#	PLOT DATE = 3/21/2013	DATE -	REVISED -			SCALE: N/A	SHEET 2 OF 2 SHEETS	STA. -----	TO STA. -----	ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES

RESURFACING QUANTITIES																
LOCATION	STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	COLD MIX AVG. THICKNESS (INCHES)	35800100 PREPARATION OF BASE (SQ YD)	40600100 BITUMINOUS MATERIALS PRIME COAT (GAL)	X4060205 COLD MIX ASPHALT MIXTURE (TON)	LR400300 BLOTTER AGGREGATE (TON)	40600100 BITUMINOUS MATERIALS PRIME COAT (GAL)	40300305 POLY.BIT.MAT. COVER & SEAL COAT (GAL)	40300500 COVER COAT AGGREGATE (TON)	40300305 POLY.BIT.MAT. COVER & SEAL COAT (GAL)	40300600 SEAL COAT AGGREGATE (TON)
PREPARATION OF BASE																
FILL AREAS	VARIOUS SPOT LOCATIONS (40)			1	1	4.4		4.4								
MAINLINE QUANTITIES																
	700+53.50	TO	703+19.43	265.9	20.0	591.0	2.25		59.1	59.8	4.4	29.5	295.5	7.4	236.4	7.4
	0+00.00	TO	199+50.00	19,950.0	20.0	44,333.3	2.25		4,433.3	4,488.8	332.5	2,216.7	22,166.7	554.2	17,733.3	554.2
	201+56.50	TO	302+95.00	10,138.5	20.0	22,530.0	2.25		2,253.0	2,281.2	169.0	1,126.5	11,265.0	281.6	9,012.0	281.6
MAINLINE TOTAL =								4.4	6,745.4	6,829.8	505.9	3,372.7	33,727.1	843.2	26,981.7	843.2
USE =								5.0	6,746.0	6,830.0	506.0	3,373.0	33,728.0	844.0	26,982.0	844.0

INCIDENTAL QUANTITIES									
							HOT MIX AVG. THICKNESS (INCHES)	40800010 BITUMINOUS MATERIALS PRIME COAT (GAL)	40800050 INCIDENTAL HOT MIX ASPHALT SURFACING (TON)
SIDEROAD	49+71.80	RT			10.0	54.6	1.875	5.5	5.7
SIDEROAD	49+72.51	LT			10.0	46.7	1.875	4.7	4.9
PE	76+11.28	LT			10.0	22.5	1.875	2.3	2.4
SIDEROAD	102+59.89	RT			10.0	40.4	1.875	4.0	4.2
SIDEROAD	102+60.23	LT			10.0	51.1	1.875	5.1	5.4
SIDEROAD	155+52.53	LT			10.0	57.6	1.875	5.8	6.0
SIDEROAD	155+53.13	RT			10.0	50.6	1.875	5.1	5.3
CE	171+66.61	LT			10.0	67.2	1.875	6.7	7.1
CE	172+33.03	RT			10.0	49.9	1.875	5.0	5.2
SIDEROAD	175+29.93	RT			10.0	44.4	1.875	4.4	4.7
SIDEROAD	179+73.73	RT			10.0	52.5	1.875	5.3	5.5
SIDEROAD	184+23.40	RT			10.0	67.3	1.875	6.7	7.1
CE	186+50.02	RT			10.0	69.3	1.875	6.9	7.3
SIDEROAD	188+77.60	RT			10.0	53.2	1.875	5.3	5.6
CE	191+00.00	RT			10.0	40.4	1.875	4.0	4.2
SIDEROAD	193+29.20	RT			10.0	70.8	1.875	7.1	7.4
SIDEROAD	193+30.70	LT			10.0	65.2	1.875	6.5	6.8
CE	195+48.24	RT			10.0	40.8	1.875	4.1	4.3
SIDEROAD	197+78.00	RT			10.0	96.4	1.875	9.6	10.1
SIDEROAD	197+78.30	LT			10.0	94.3	1.875	9.4	9.9
PE	224+49.53	RT			10.0	44.4	1.875	4.4	4.7
SIDEROAD	250+88.94	LT			10.0	52.0	1.875	5.2	5.5
INCIDENTAL TOTAL =								123.1	129.3
USE =								124.0	130.0

SCHEDULE OF QUANTITIES

78001110 PAINT PAVEMENT MARKING - LINE 4"					
WHITE -SOLID EDGE LINES					
STATION	TO	STATION	LOCATION		FEET
700+53.50		703+19.43	10.0' LT		265.9
700+53.50		703+19.43	10.0' RT		265.9
0+00.00		49+48.07	10.0' LT		4948.1
0+00.00		49+48.58	10.0' RT		4948.6
50+20.58		102+28.27	10.0' LT		5207.7
50+06.82		102+29.86	10.0' RT		5223.0
102+91.80		155+21.12	10.0' LT		5229.3
102+91.06		155+27.12	10.0' RT		5236.1
155+89.63		175+01.61	10.0' RT		1912.0
175+59.16		179+39.06	10.0' RT		379.9
180+05.72		183+75.98	10.0' RT		370.3
184+50.13		188+40.57	10.0' RT		390.4
189+07.86		192+86.05	10.0' RT		378.2
155+93.76		192+90.57	10.0' LT		3696.8
193+77.73		197+10.50	10.0' RT		332.8
193+70.44		197+16.38	10.0' LT		345.9
198+29.95		250+54.39	10.0' LT		5224.4
198+26.17		302+95.00	10.0' RT		10468.8
251+16.59		302+95.00	10.0' LT		5178.4
SUB-TOTAL =					54,824.2

YELLOW -SKIP DASH

STATION	TO	STATION	LOCATION		FEET
700+53.50		703+19.43	CL		66.5
0+00.00		163+37.47	CL		4,084.4
177+15.00		302+95.00	CL		3,145.0
SUB-TOTAL =					7,295.9

YELLOW -SOLID (NO PASSING ZONES)

STATION	TO	STATION	DIRECTION		FEET
163+37.47		172+16.00	EB		878.5
172+16.00		177+15.00	WB		499.0
SUB-TOTAL =					1,377.5
PROJECT TOTAL =					63,497.6
USE =					63,498.0

X0326219 BUMP REMOVAL

STATION	TO	STATION	DIRECTION	EACH
700+53.50		703+19.43	EB	6.0
0+00.00		302+95.00	EB	12.0
700+53.50		703+19.43	WB	3.0
0+00.00		302+95.00	WB	8.0
TOTAL =				29.0
USE =				29.0

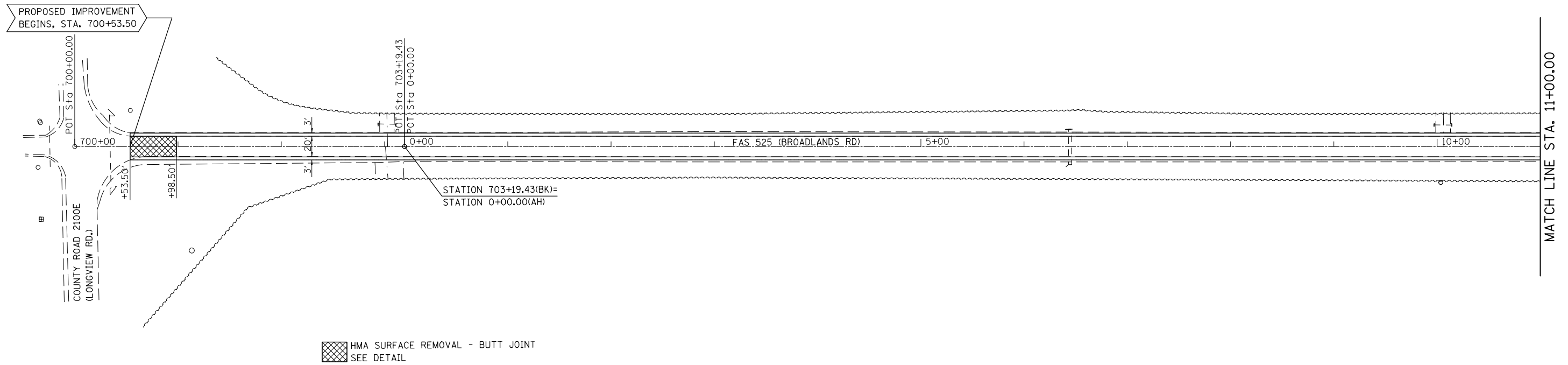
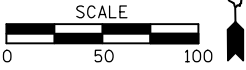
NOTE:

* BUMP REMOVAL QUANTITIES MAY BE REVISED BY THE ENGINEER DURING CONSTRUCTION

Z0070100 SURVEY MONUMENT COVER ASSEMBLY

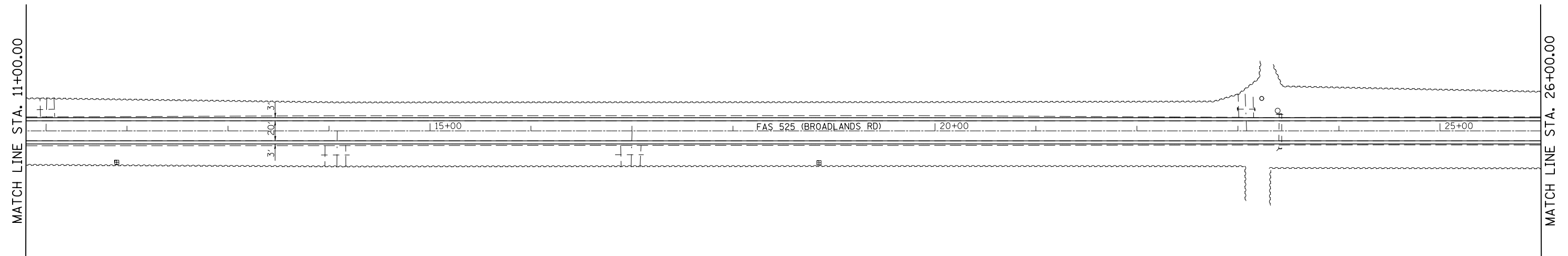
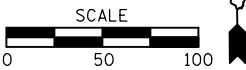
STATION		EACH
155+52.53	CL	1.0
TOTAL =		1.0
USE =		1.0

SEC. 22 - T 17 N - R 10 E - 3RD PM



SEC. 27 - T 17 N - R 10 E - 3RD PM

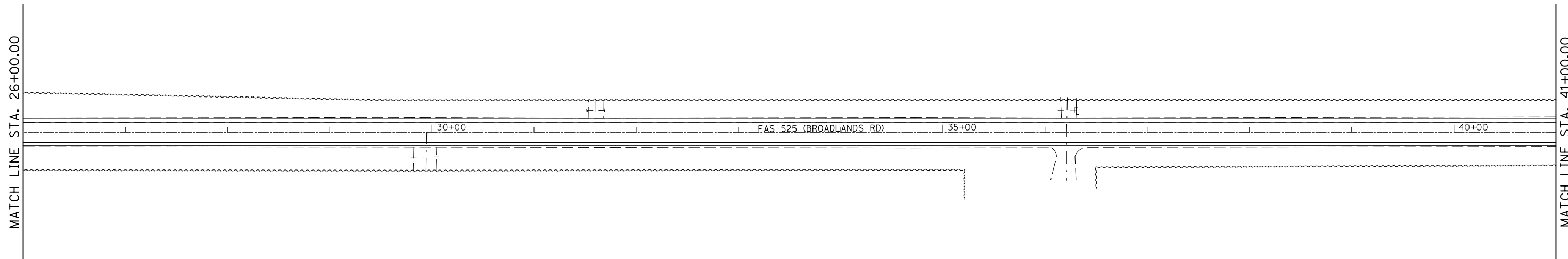
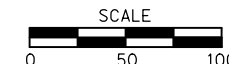
SEC. 22 - T 17 N - R 10 E - 3RD PM



SEC. 27 - T 17 N - R 10 E - 3RD PM

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\pw\work\p\dot\avusuglob\d0333684\0570A15-shr Db1Pln_50.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					525	(41,48,81)Q	CHAMPAIGN	28	11
#MODELNAME#	PLOT DATE = 3/21/2013	CHECKED -	REVISED -		SCALE: 1"=50' SHEET 1 OF 11 SHEETS STA. ----- TO STA. -----			CONTRACT NO. 70A15				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

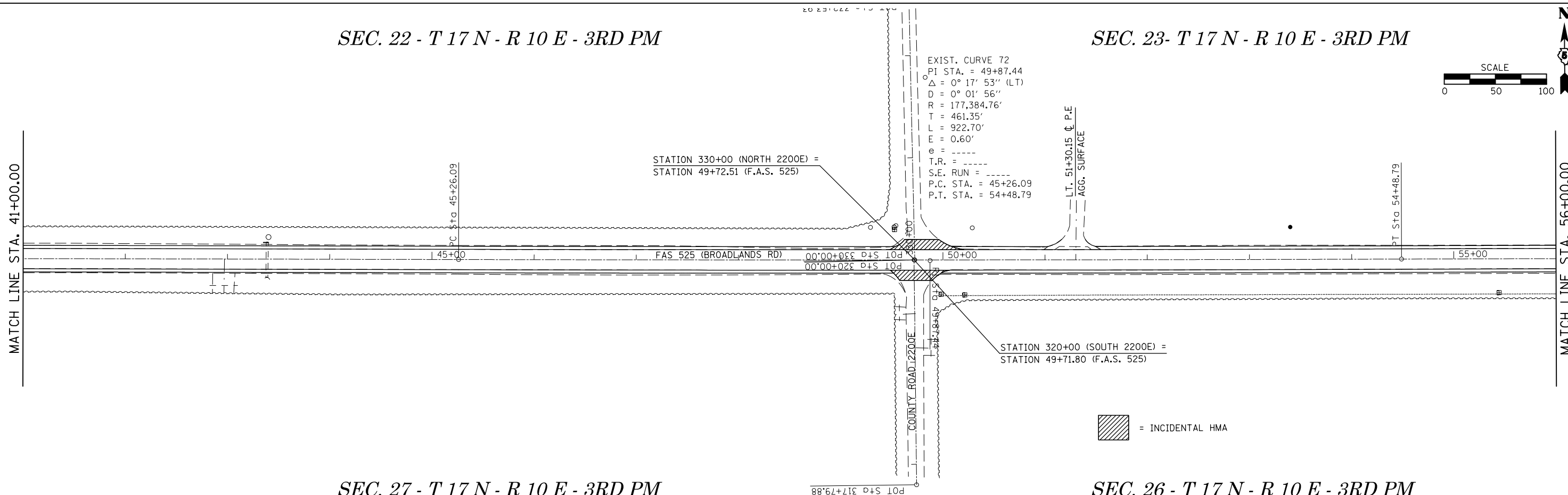
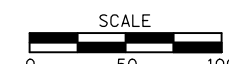
SEC. 22 - T 17 N - R 10 E - 3RD PM



SEC. 27 - T 17 N - R 10 E - 3RD PM

SEC. 22 - T 17 N - R 10 E - 3RD PM

SEC. 23 - T 17 N - R 10 E - 3RD PM

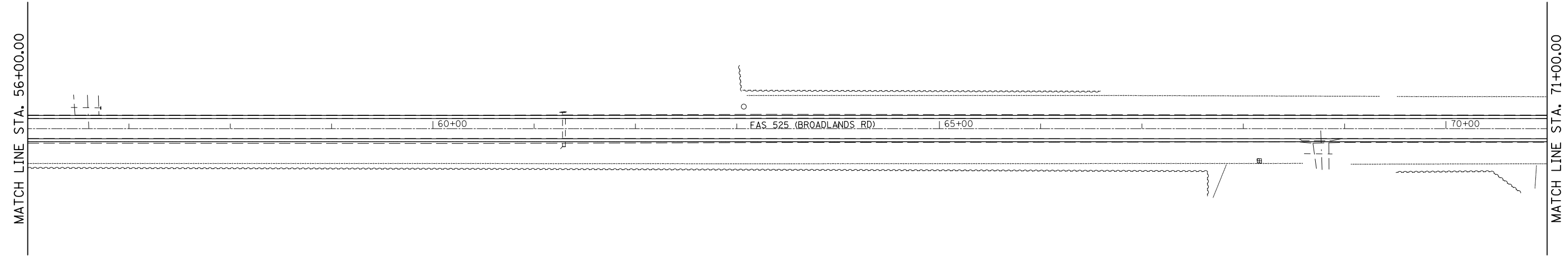
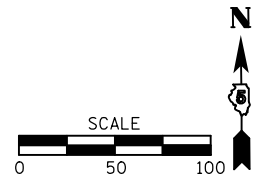


SEC. 27 - T 17 N - R 10 E - 3RD PM

SEC. 26 - T 17 N - R 10 E - 3RD PM

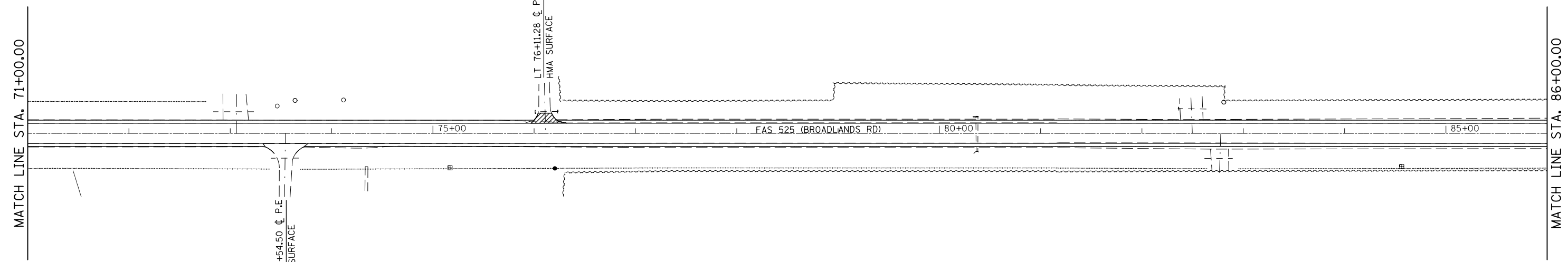
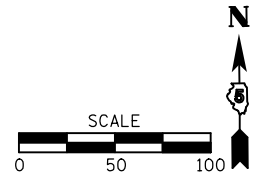
FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\pwork\pwork\avusuglob\d0333684\0570A15-shr Db1Pin_50.dgn		DRAWN -	REVISED -		525	(41,48,81)Q	CHAMPAIGN	28	12			
*MODELNAME#	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 70A15							
	PLOT DATE = 3/21/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

SEC. 23 - T 17 N - R 10 E - 3RD PM



SEC. 26 - T 17 N - R 10 E - 3RD PM

SEC. 23 - T 17 N - R 10 E - 3RD PM

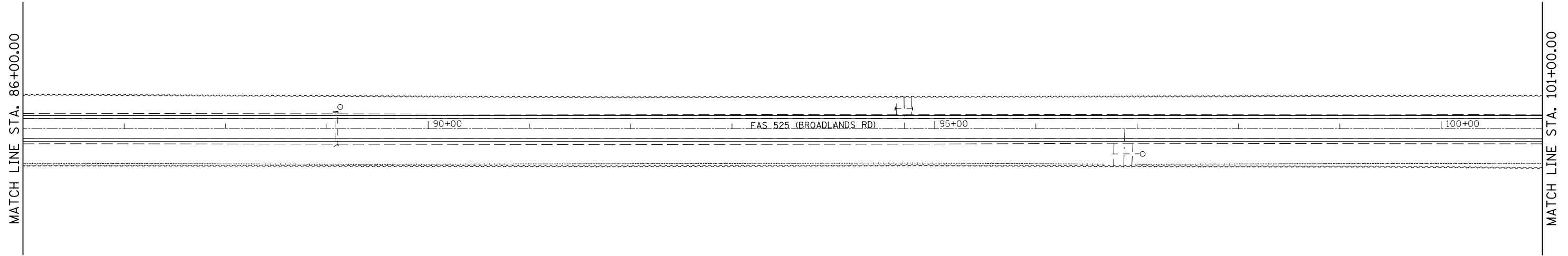
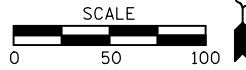


= INCIDENTAL HMA

SEC. 26 - T 17 N - R 10 E - 3RD PM

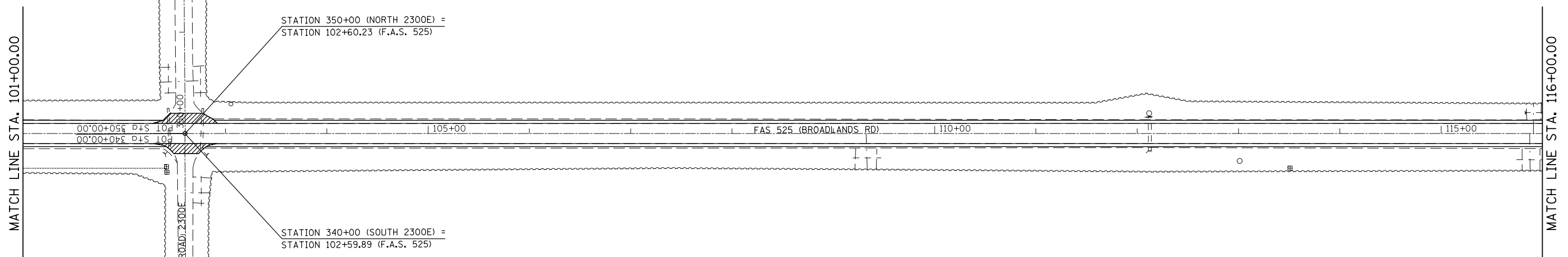
FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\pw_work\p\dot\avusuglob\d0333684\0570A15-sh1 Db1PIn_50.dgn		DRAWN -	REVISED -		525	(41,48,81)Q	CHAMPAIGN	28	13			
#MODELNAME#	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1"=50' SHEET 3 OF 11 SHEETS STA. ----- TO STA. -----			CONTRACT NO. 70A15				
	PLOT DATE = 3/21/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							


SEC. 23 - T 17 N - R 10 E - 3RD PM



SEC. 26 - T 17 N - R 10 E - 3RD PM

SEC. 24 - T 17 N - R 10 E - 3RD PM



 = INCIDENTAL HMA

SEC. 25 - T 17 N - R 10 E - 3RD PM

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 3/21/2013	DATE -	REVISED -

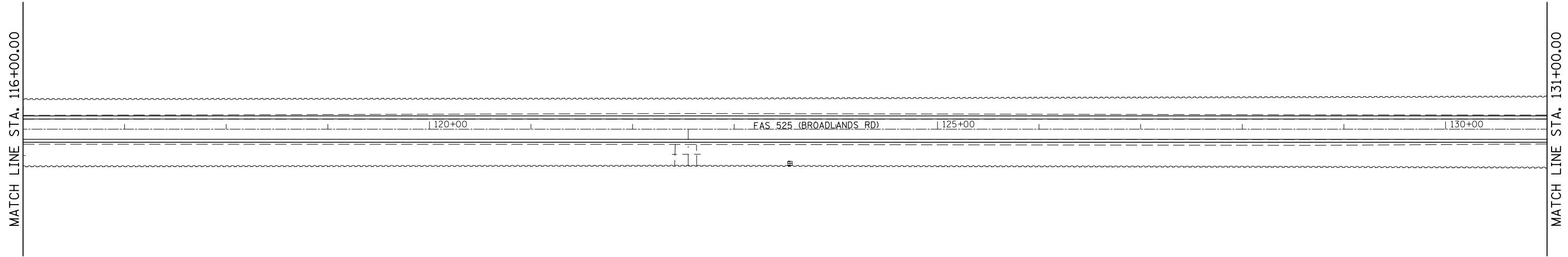
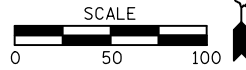
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: 1"=50' SHEET 4 OF 11 SHEETS STA. ----- TO STA. -----

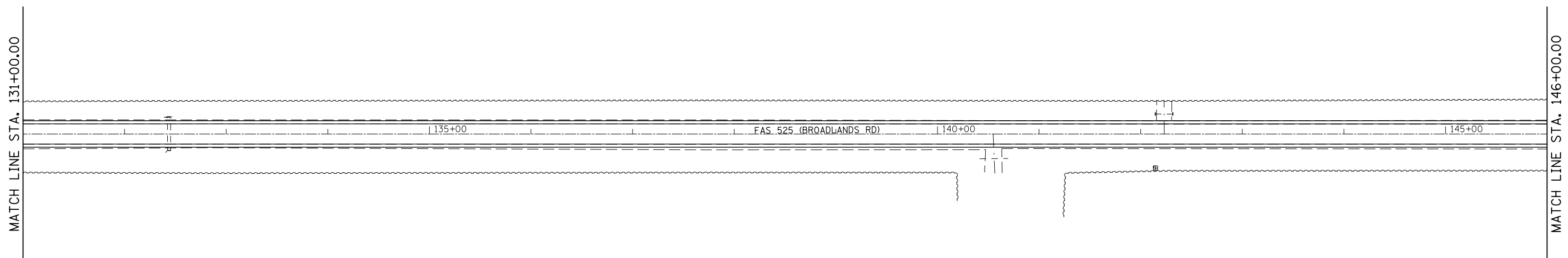
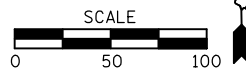
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(41,48,81)Q	CHAMPAIGN	28	14
CONTRACT NO. 70A15			ILLINOIS FED. AID PROJECT	


SEC. 24 - T 17 N - R 10 E - 3RD PM



SEC. 25 - T 17 N - R 10 E - 3RD PM

SEC. 24 - T 17 N - R 10 E - 3RD PM



 = INCIDENTAL HMA

SEC. 25 - T 17 N - R 10 E - 3RD PM

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 3/21/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

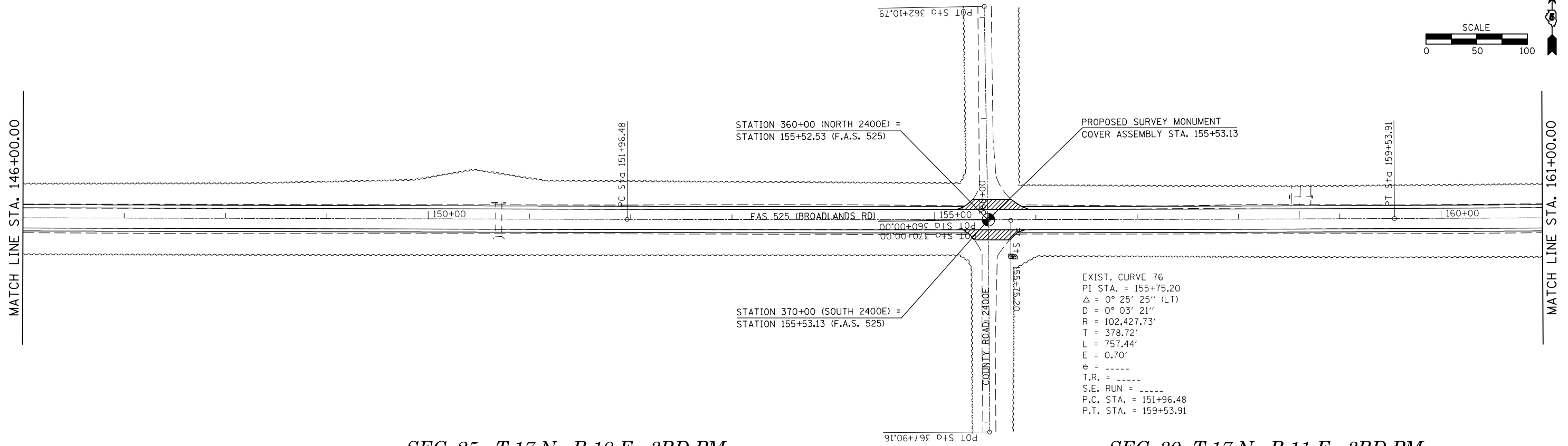
PLAN SHEET

SCALE: 1"=50' SHEET 5 OF 11 SHEETS STA. ----- TO STA. -----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(41,48,81)Q	CHAMPAIGN	28	15
CONTRACT NO. 70A15			ILLINOIS FED. AID PROJECT	

SEC. 24 - T 17 N - R 10 E - 3RD PM

SEC. 19- T 17 N - R 11 E - 3RD PM

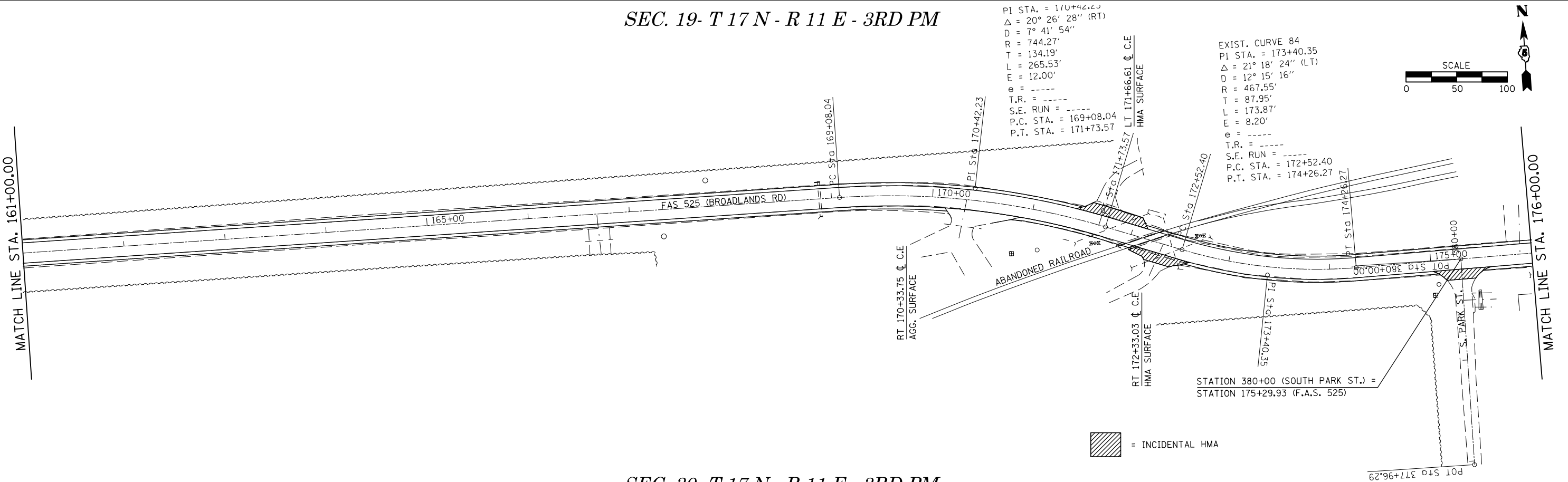


EXIST. CURVE 76
 PI STA. = 155+75.20
 $\Delta = 0^\circ 25' 25''$ (LT)
 D = $0^\circ 03' 21''$
 R = 102,427.73'
 T = 378.72'
 L = 757.44'
 E = 0.70'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 151+96.48
 P.T. STA. = 159+53.91

SEC. 25 - T 17 N - R 10 E - 3RD PM

SEC. 30- T 17 N - R 11 E - 3RD PM

SEC. 19- T 17 N - R 11 E - 3RD PM

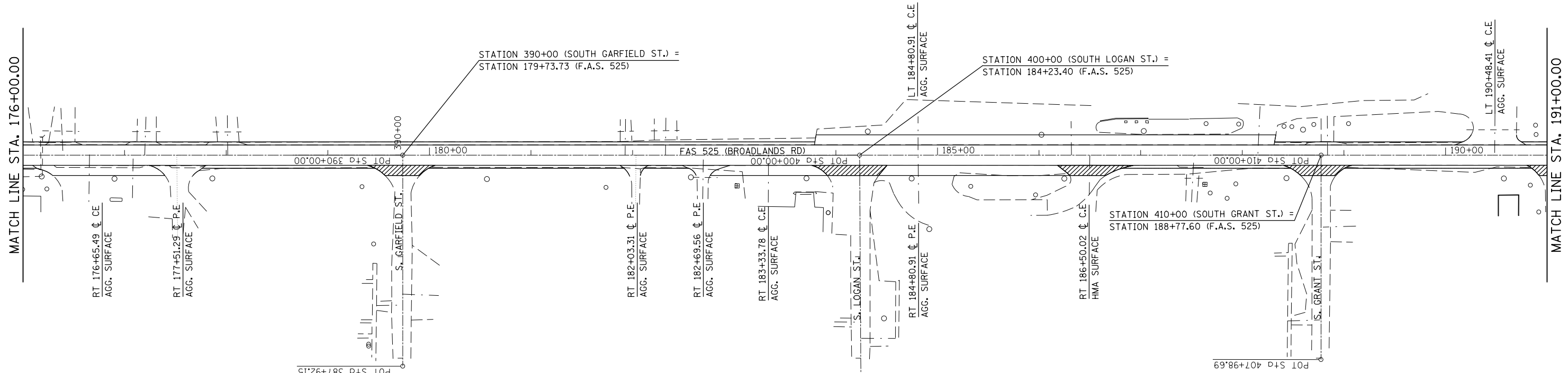
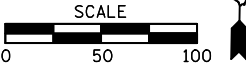


EXIST. CURVE 84
 PI STA. = 173+40.35
 $\Delta = 21^\circ 18' 24''$ (LT)
 D = $12^\circ 15' 16''$
 R = 467.55'
 T = 87.95'
 L = 173.87'
 E = 8.20'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 172+52.40
 P.T. STA. = 174+26.27

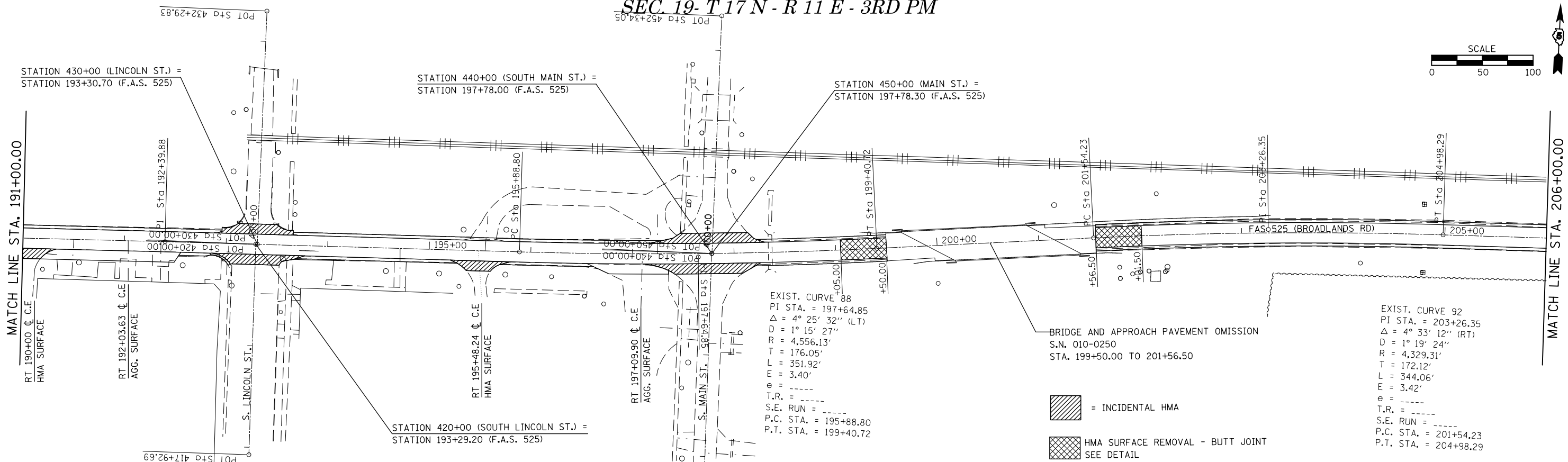
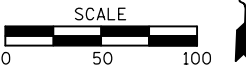
SEC. 30- T 17 N - R 11 E - 3RD PM

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.S. RTE. = 525	SECTION = (41,48,81)0	COUNTY = CHAMPAIGN	TOTAL SHEETS = 28	SHEET NO. = 16
ei:\pwork\pwork\avusuglob\d0333684\050A15-shr Db1Pin_50.dgn		DRAWN -	REVISED -		SCALE: 1"=50'	SHEET 6	OF 11 SHEETS	STA. -----	TO STA. -----	CONTRACT NO. 70A15		
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
#MODELNAME#	PLOT DATE = 3/21/2013	DATE -	REVISED -									

SEC. 19 - T 17 N - R 11 E - 3RD PM

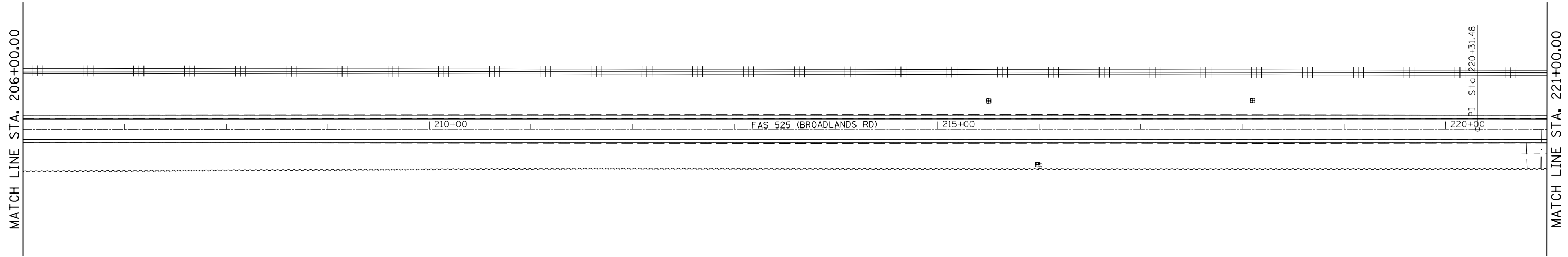
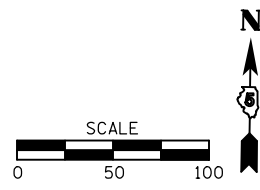


SEC. 19 - T 17 N - R 11 E - 3RD PM



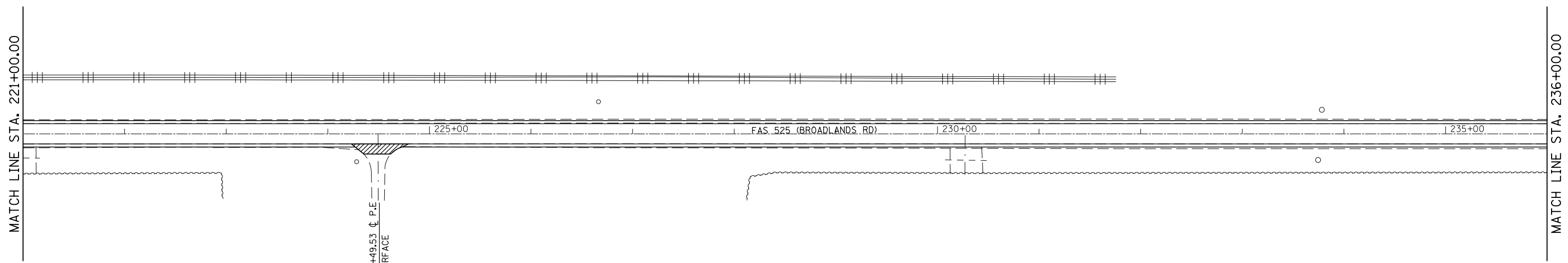
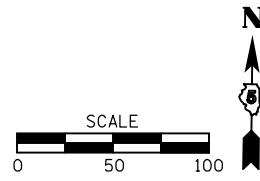
FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.S. RTE. = 525	SECTION = (41,48,81)Q	COUNTY = CHAMPAIGN	TOTAL SHEETS = 28	SHEET NO. = 17
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#MODELNAME#	PLOT DATE = 3/21/2013	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

SEC. 19 - T 17 N - R 14 W - 3RD PM



SEC. 30 - T 17 N - R 14 W - 3RD PM

SEC. 19 - T 17 N - R 14 W - 3RD PM

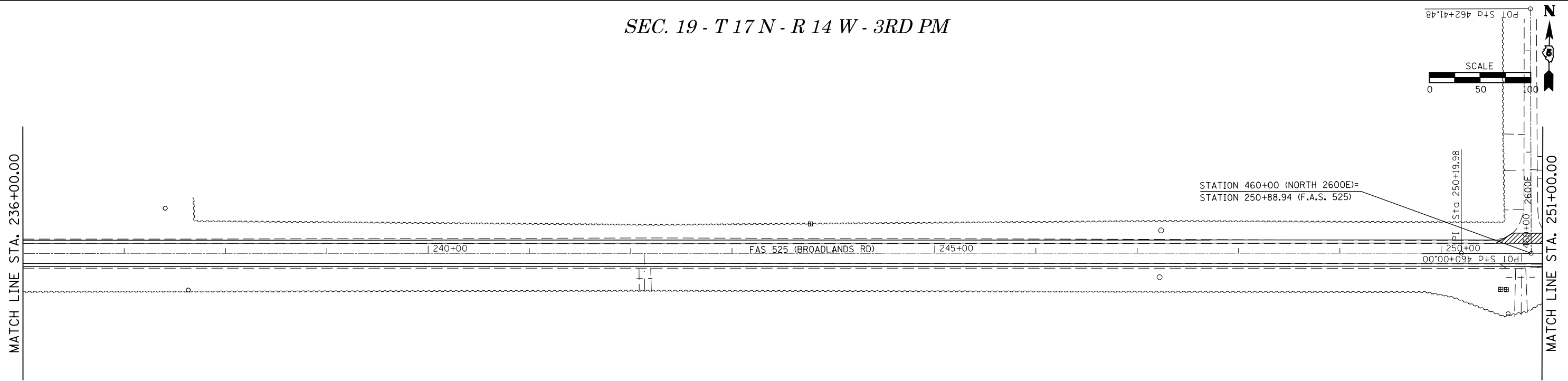


= INCIDENTAL HMA

SEC. 30 - T 17 N - R 14 W - 3RD PM

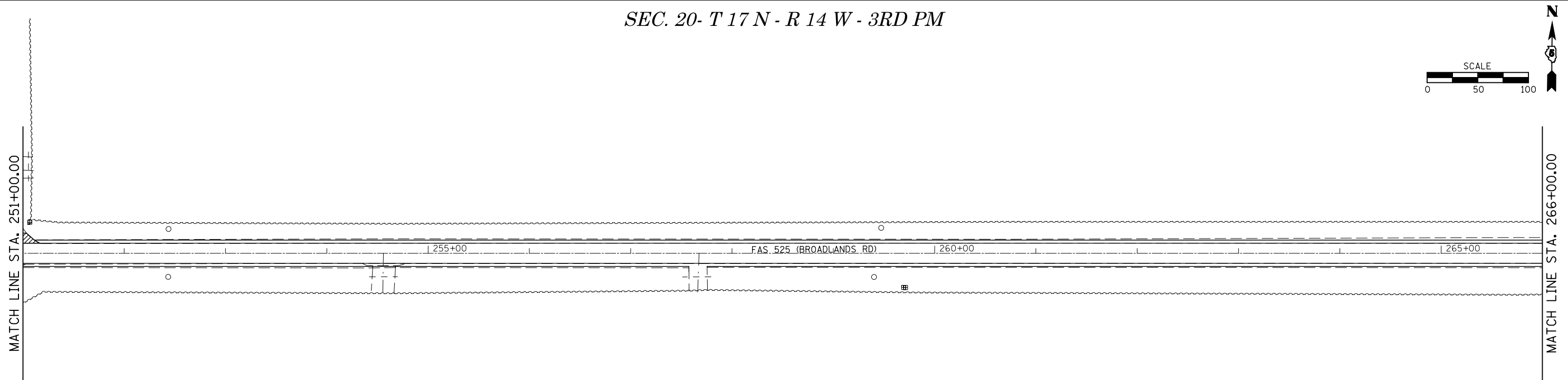
FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwork\pwork\avusuglob\d0333684\0570A15-shr Db1Pin_50.dgn		DRAWN -	REVISED -		525	(41,48,81)Q	CHAMPAIGN	28	18				
#MODELNAME#	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1"=50' SHEET 8 OF 11 SHEETS STA. ----- TO STA. -----				CONTRACT NO. 70A15				
	PLOT DATE = 3/21/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								


SEC. 19 - T 17 N - R 14 W - 3RD PM



SEC. 30 - T 17 N - R 14 W - 3RD PM

SEC. 20 - T 17 N - R 14 W - 3RD PM

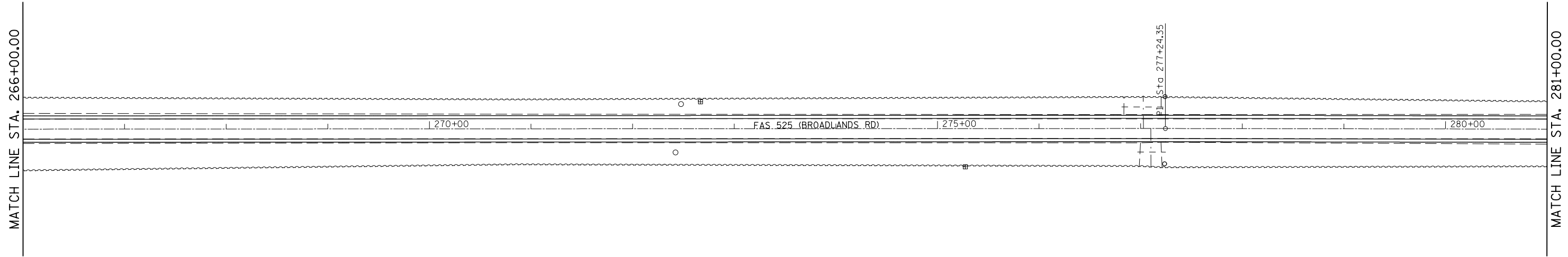
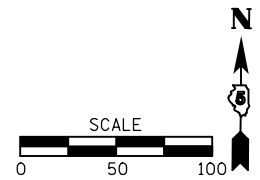


 = INCIDENTAL HMA

SEC. 29 - T 17 N - R 14 W - 3RD PM

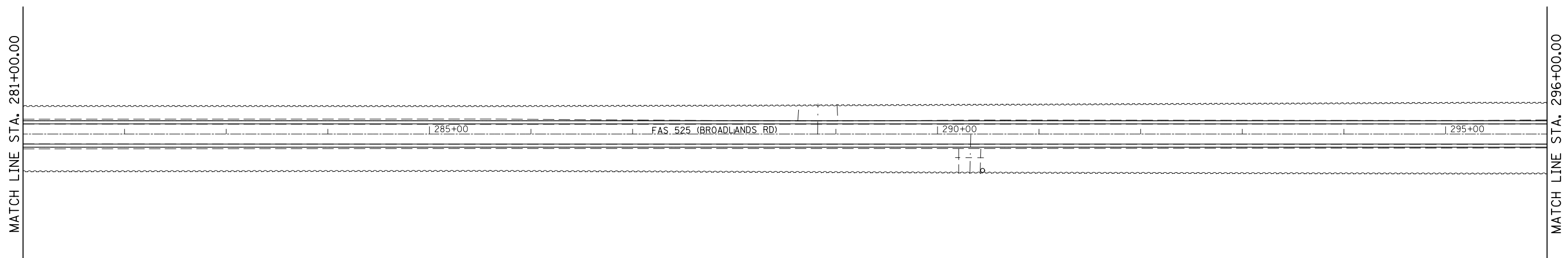
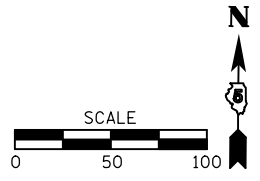
FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\pw\work\p\dot\avusuglob\d0333684\0570A15-shr Db1PIn_50.dgn		DRAWN -	REVISED -		525	(41,48,81)Q	CHAMPAIGN	28	19			
#MODELNAME#	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 70A15							
	PLOT DATE = 3/21/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							


SEC. 20 - T 17 N - R 14 W - 3RD PM



SEC. 29 - T 17 N - R 14 W - 3RD PM

SEC. 20 - T 17 N - R 14 W - 3RD PM



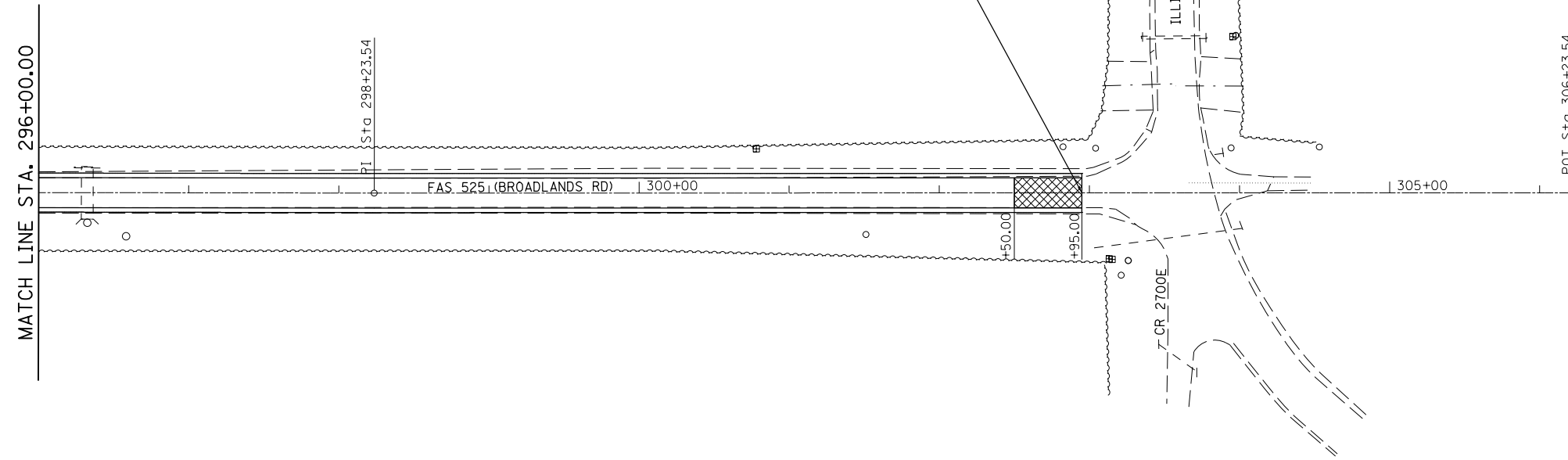
 = INCIDENTAL HMA

SEC. 29 - T 17 N - R 14 W - 3RD PM

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\pw\work\p\dot\avusuglob\d0333684\0570A15-sh1 Db1PIn_50.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					525	(41,48,81)Q	CHAMPAIGN	28	20
#MODELNAME#	PLOT DATE = 3/21/2013	CHECKED -	REVISED -		SCALE: 1"=50' SHEET 10 OF 11 SHEETS STA. ----- TO STA. -----			CONTRACT NO. 70A15				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

SEC. 20 - T 17 N - R 14 W - 3RD PM

PROPOSED IMPROVEMENT
ENDS, STA. 302+95.00



MATCH LINE STA. 306+23.54 EXT. 476.46

SEC. 29 - T 17 N - R 14 W - 3RD PM

HMA SURFACE REMOVAL - BUTT JOINT
SEE DETAIL

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -
c:\pwwork\pwwork\avusuglob\d0333684\0570A15-sh1 Db1PIn_50.dgn		DRAWN -	REVISED -
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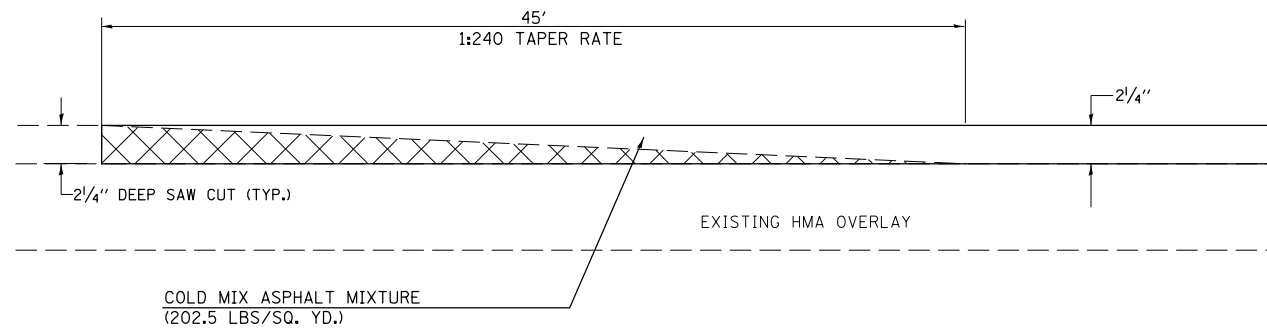
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: 1"=50' SHEET 11 OF 11 SHEETS STA. ----- TO STA. -----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(41,48,81)Q	CHAMPAIGN	28	21
CONTRACT NO. 70A15			ILLINOIS FED. AID PROJECT	

BUTT JOINT DETAIL FOR BEGINNING /END MAINLINE TIE IN LOCATIONS



HMA SURFACE REMOVAL - BUTT JOINT

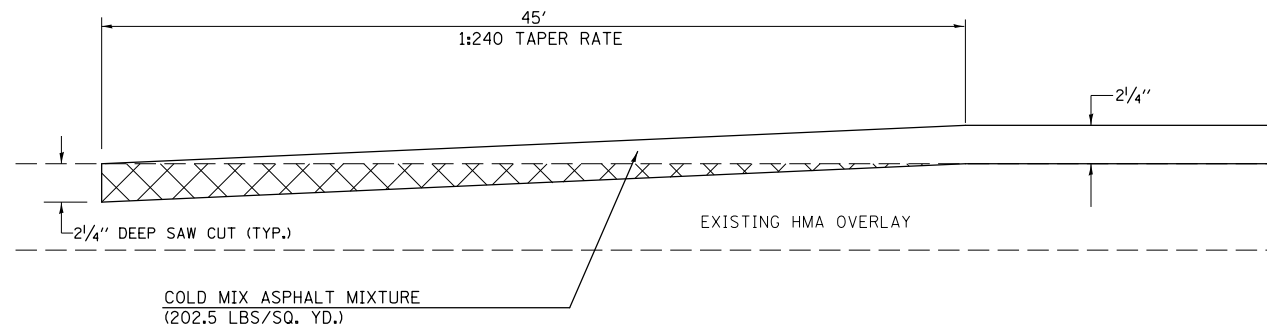
STATION	TO	STATION
700+53.50		700+98.50
302+50.00		302+95.00

☒ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

NOTE:

SAW CUT IS INCLUDED IN THE COST OF HMA SURFACE REMOVAL - BUTT JOINT

BUTT JOINT DETAIL FOR BRIDGE OMISSION (S.N. 010-0250)



HMA SURFACE REMOVAL - BUTT JOINT

STATION	TO	STATION
199+05.00		199+50.00
201+56.50		202+01.50

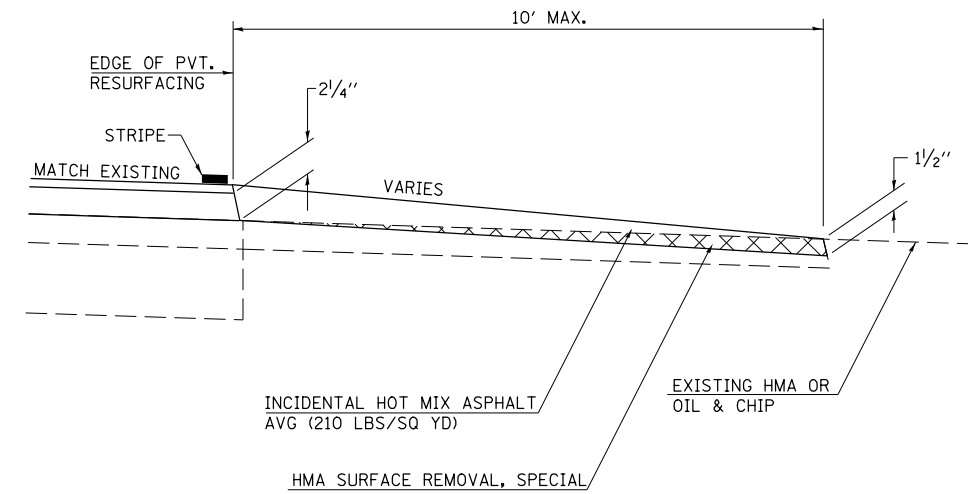
☒ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

NOTE:

SAW CUT IS INCLUDED IN THE COST OF HMA SURFACE REMOVAL - BUTT JOINT

BUTT JOINT DETAIL FOR PRIVATE & COMMERCIAL ENTRANCE OR SIDEROAD

(EXISTING HMA OR OIL & CHIP 10' OR LONGER)



NOTES: THE INTENT IS TO RESURFACE THE EXISTING CONFIGURATION OF THE ENTRANCES AND SIDEROADS TO A MAXIMUM OF 10' FROM THE EDGE OF PAVEMENT. EXISTING SIDEROADS SHOULD BE RESURFACED TO MAINTAIN THEIR CURRENT RADII.

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
4. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.
5. PROPOSED SIDEROAD GRADES SHALL BE AS DIRECTED BY THE ENGINEER.
6. AGGREGATE WEDGE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 3' ALONG MAINLINE TO 2' AT BACK OF RETURN.

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED -
et:\pw\work\p\idot\avusuglob\d0333684\0570A15-sh-t-detail.dgn		DRAWN -	REVISED -
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\$MODELNAME\$	PLOT DATE = 3/21/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

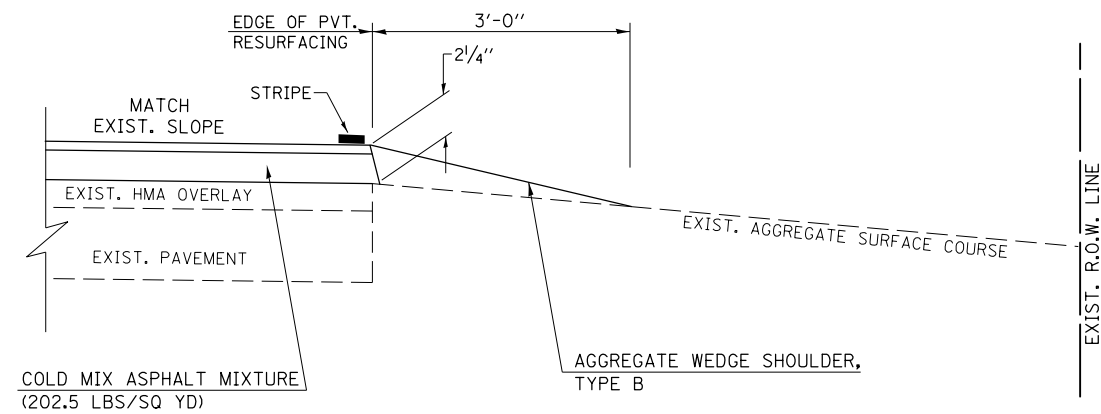
**BUTT JOINT DETAILS
(EXISTING HMA OR OIL AND CHIP)**

SCALE: ----- SHEET 1 OF 2 SHEETS STA. ----- TO STA. -----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(41,48,81)Q	CHAMPAIGN	27	22
				CONTRACT NO. 70A15
ILLINOIS FED. AID PROJECT				

FIELD ENTRANCE DETAIL

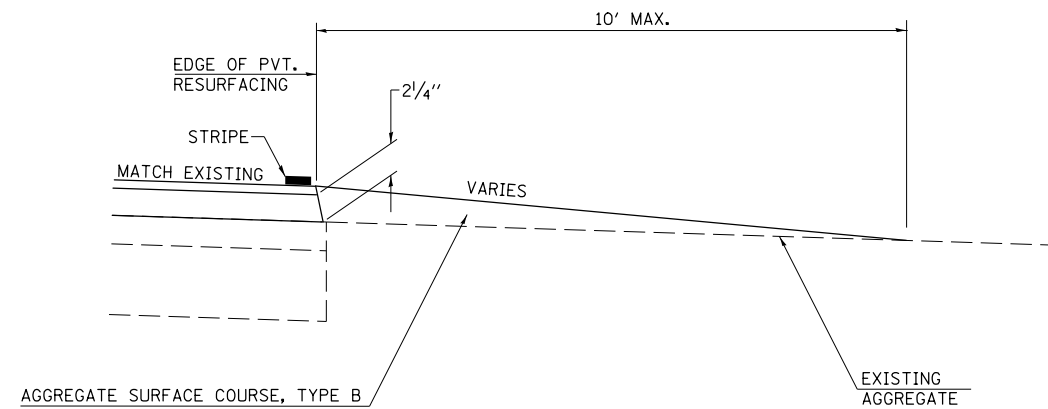
(EXISTING AGGREGATE)



NOTES: THE INTENT IS TO RESURFACE THE EXISTING CONFIGURATION OF THE ENTRANCES.

PRIVATE OR COMMERCIAL ENTRANCE

(EXISTING AGGREGATE 10' OR LONGER)



NOTES: THE INTENT IS TO RESURFACE THE EXISTING CONFIGURATION OF THE ENTRANCES AND SIDEROADS TO A MAXIMUM OF 10' FROM THE EDGE OF PAVEMENT. EXISTING SIDEROADS SHOULD BE RESURFACED TO MAINTAIN THEIR CURRENT RADII.

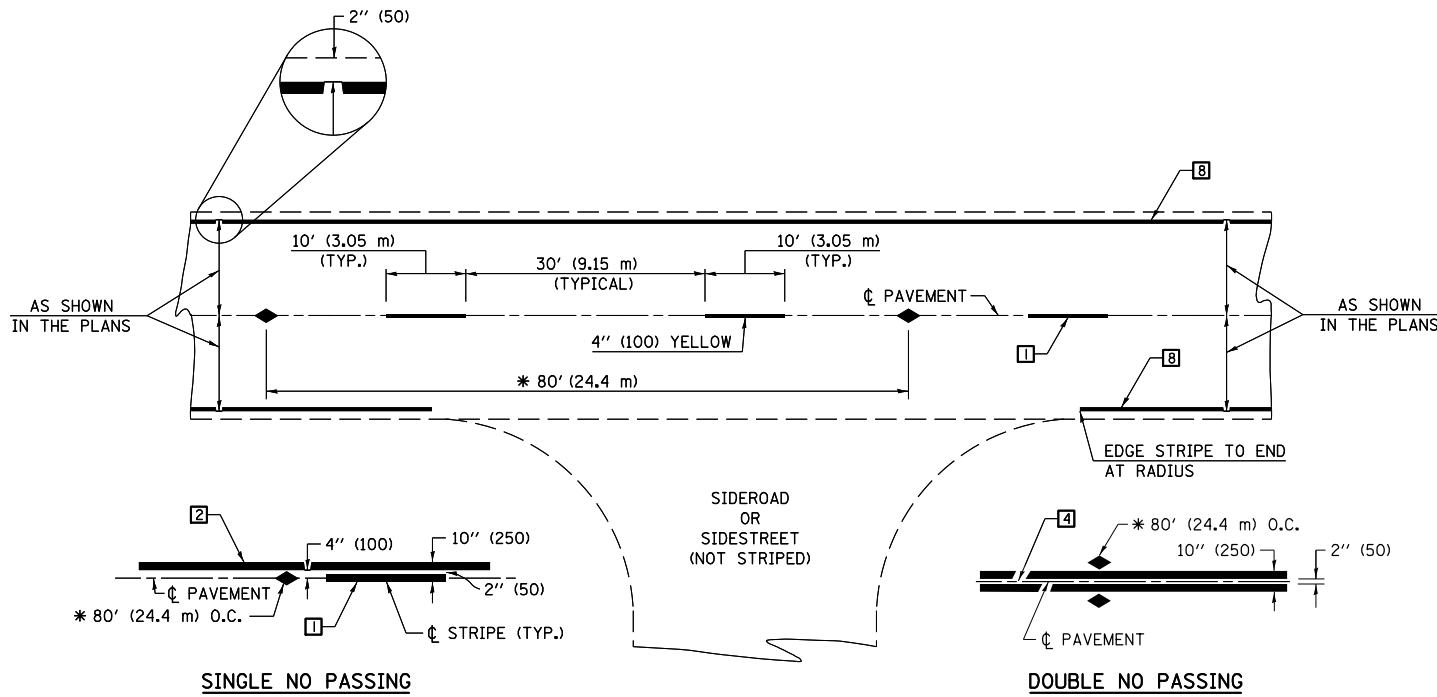
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c:\pwork\pwork\pwork\avusuglob\0333684\0570A15-sh1-detail.dgn		DRAWN -	REVISED -
\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRIVATE & COMMERCIAL ENTRANCE OR FIELD ENTRANCE
(EXISTING AGGREGATE)

SCALE: ----- SHEET 2 OF 2 SHEETS STA. ----- TO STA. -----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(41,48,81)Q	CHAMPAIGN	27	23
CONTRACT NO. 70A15			ILLINOIS FED. AID PROJECT	



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TWO LANE/TWO WAY

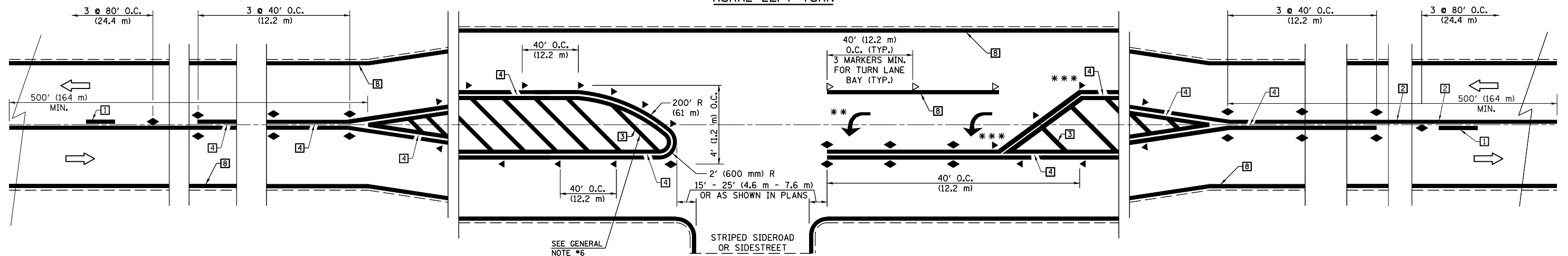
TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

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

DISTRICT 5 DETAIL NO. 7800AAAA

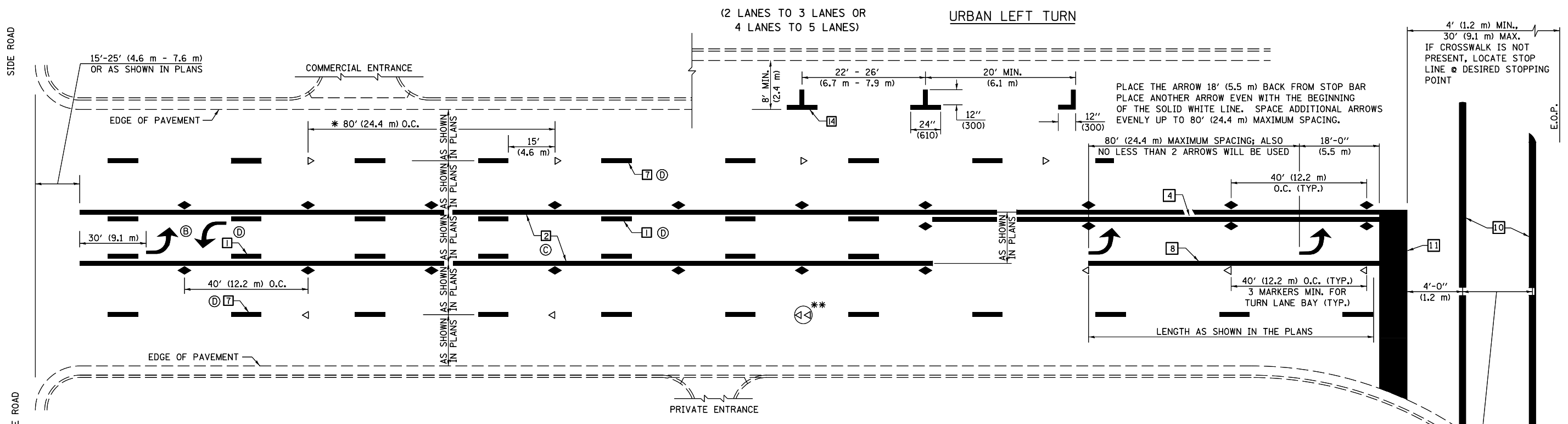
FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET NO. 1 OF 4 SHEETS STA. --- TO STA. ---

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(41,48,81)Q	CHAMPAIGN	28	24
CONTRACT NO. 70A15				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

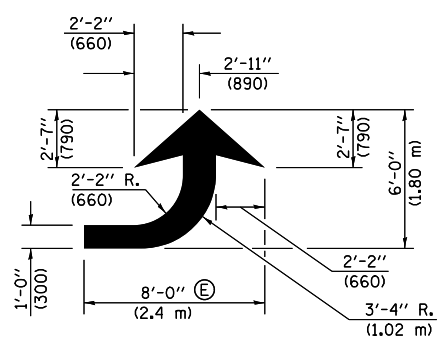


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

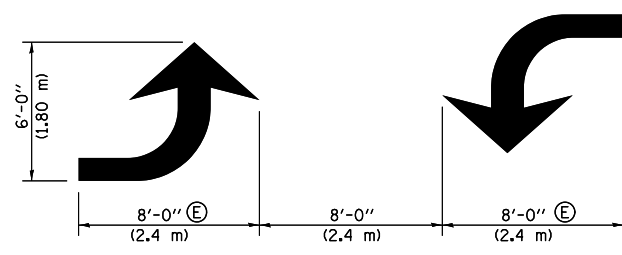
GENERAL NOTES:

- ⓑ 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)



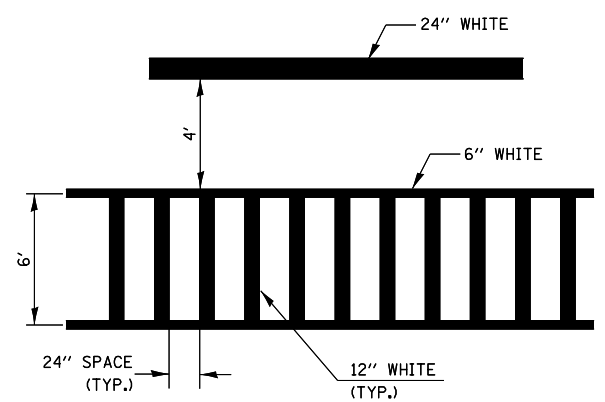
LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)

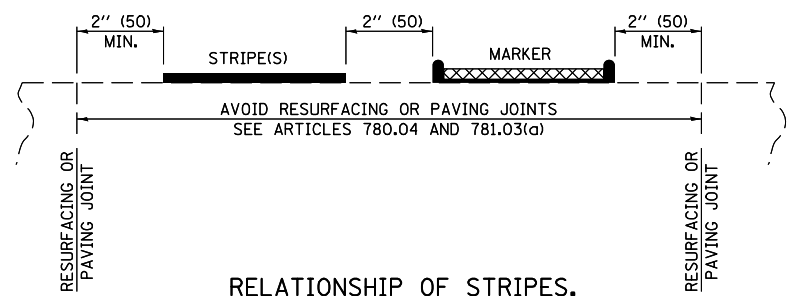


TYPICAL DOUBLE TURN ARROWS (WHITE)

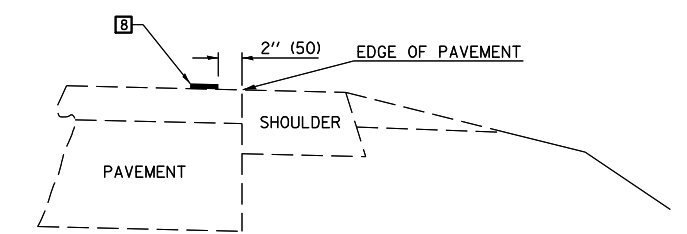
BLOOMINGTON-NORMAL CITY LIMITS ONLY



TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

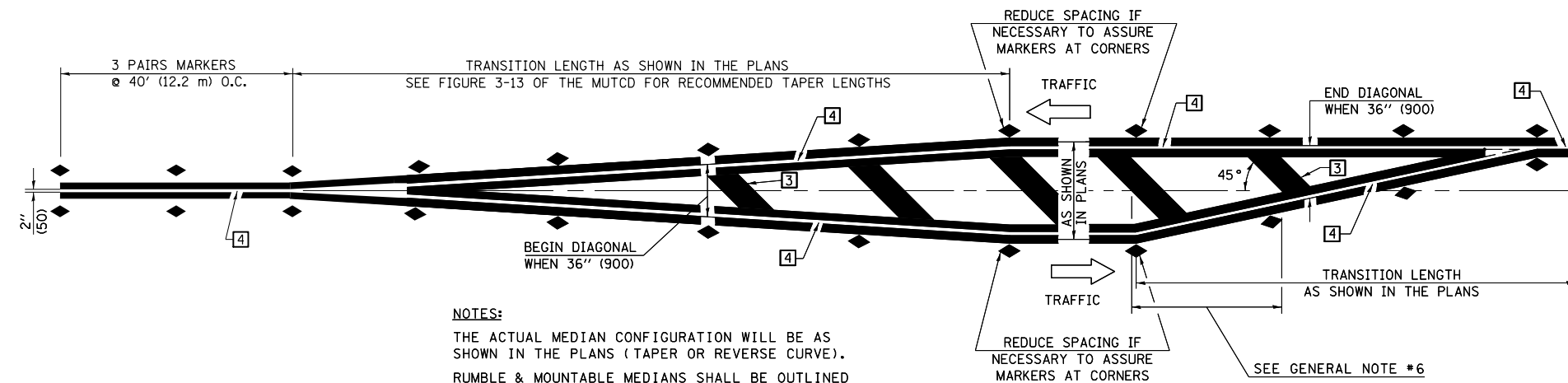


RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT (SAFETY SHOULDER OR PAVED SURFACE) SEE ARTICLE 780.04

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

DISTRICT 5 DETAIL NO. 7800AAA

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\pw\work\p\idot\avusuglob\d0333684\050A15-sh-t-detail.dgn	DRAWN -	REVISED - 09/2009 - KJT	525			(41,48,81)Q	CHAMPAIGN	28	25	
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 70700							
PLOT DATE = 3/21/2013	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

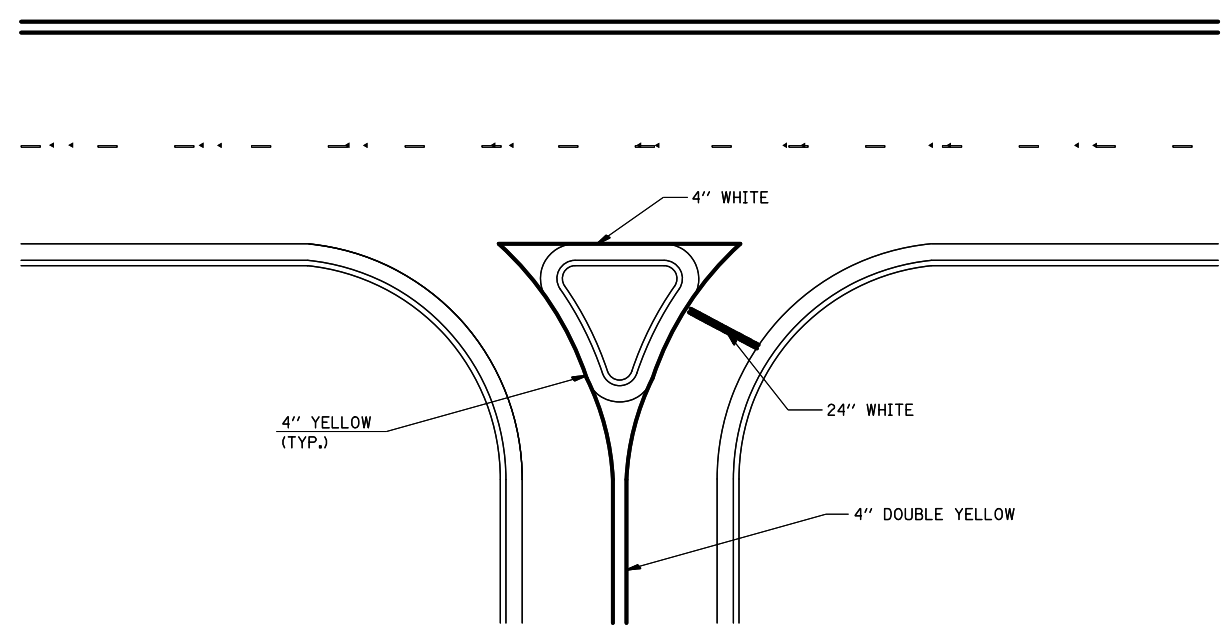


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

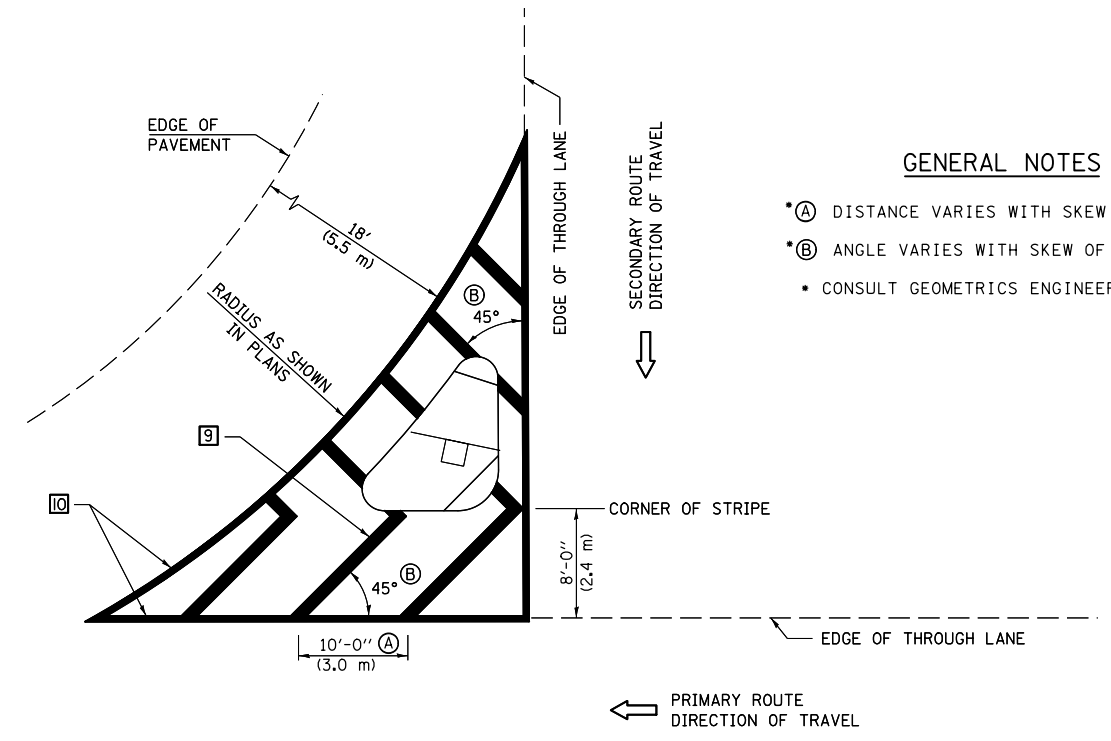
TYPICAL MEDIAN TRANSITIONS

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
ei:\pwork\pwork\avusuglob\d0333684\050A15-sh1-detail.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2013	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

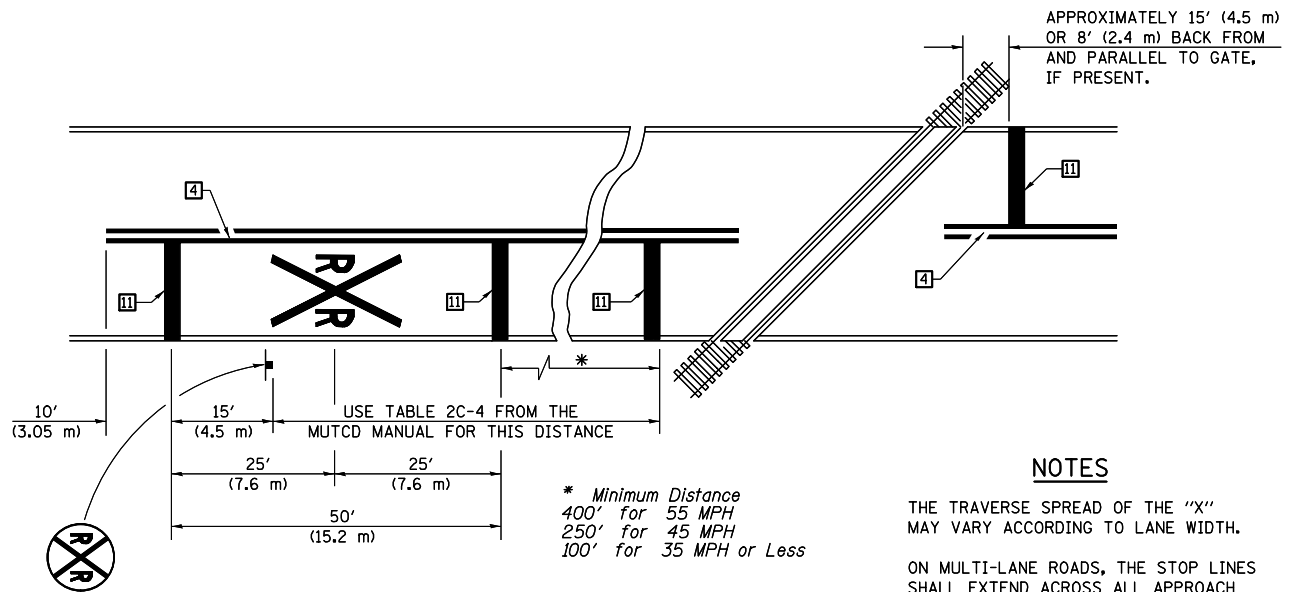
**PAVEMENT MARKING AND MARKERS
 (RURAL & URBAN APPLICATIONS)**

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

DISTRICT 5 DETAIL NO. 7800AAA			
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS
525	(41,48,81)Q	CHAMPAIGN	28
			SHEET NO. 26
CONTRACT NO. 70A15			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



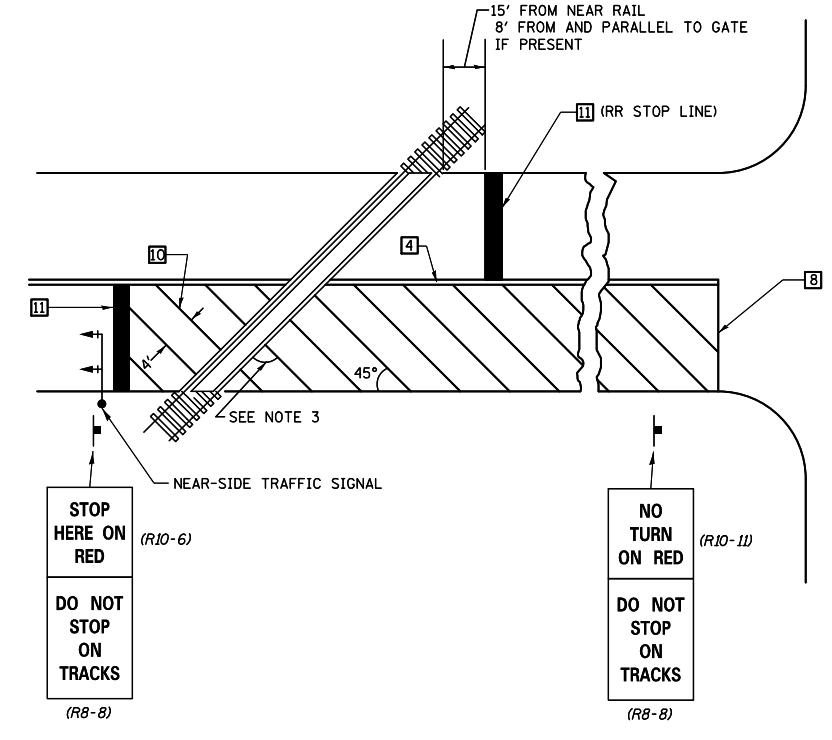
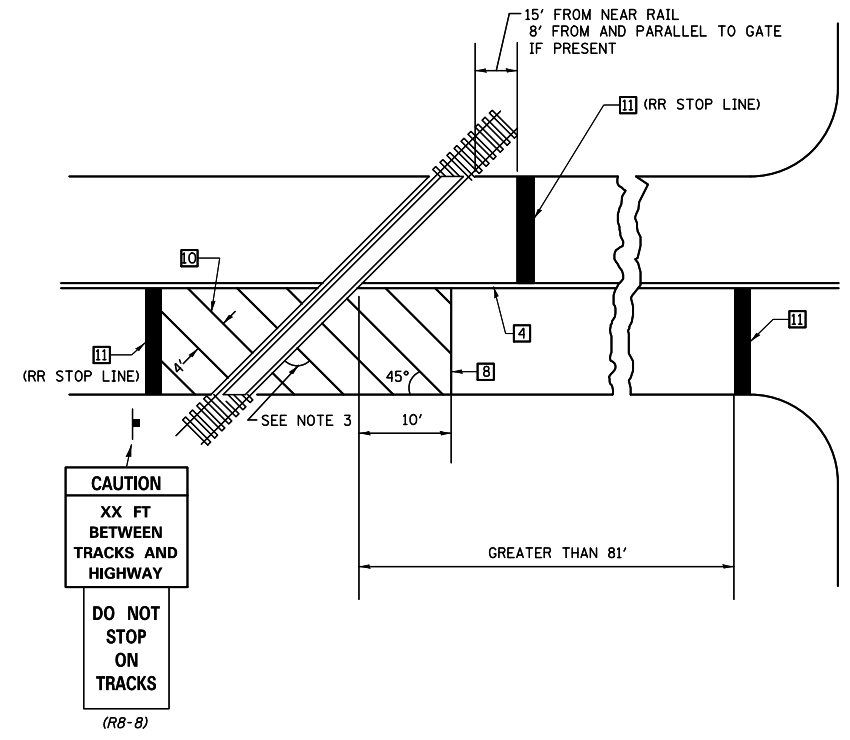
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

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.

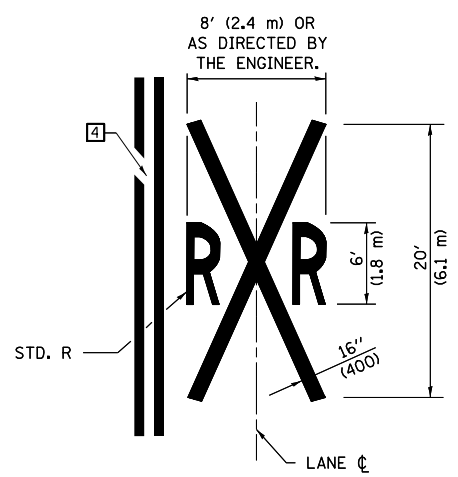
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



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.

FILE NAME =	USER NAME = avusuglob	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

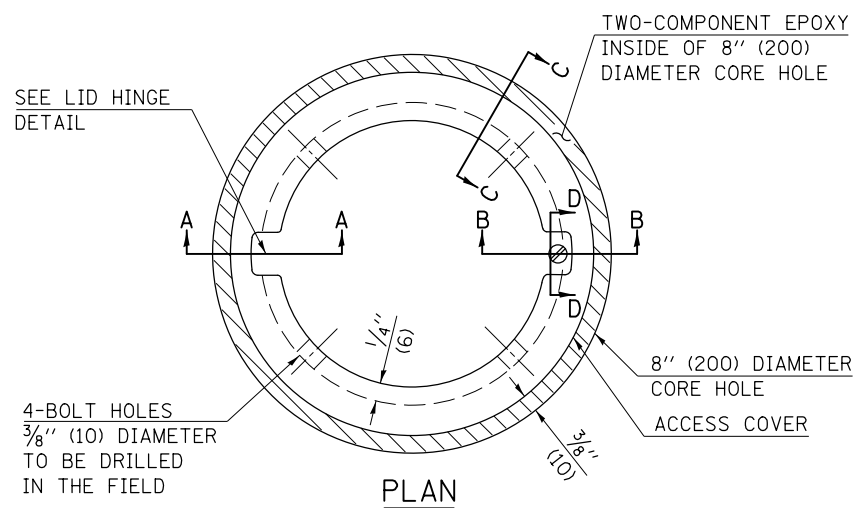
PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

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

DISTRICT 5 DETAIL NO. 7800AAAA

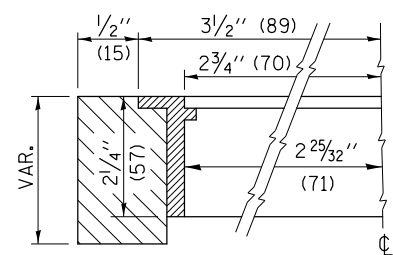
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(41,48,81)Q	CHAMPAIGN	28	27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A15	

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)



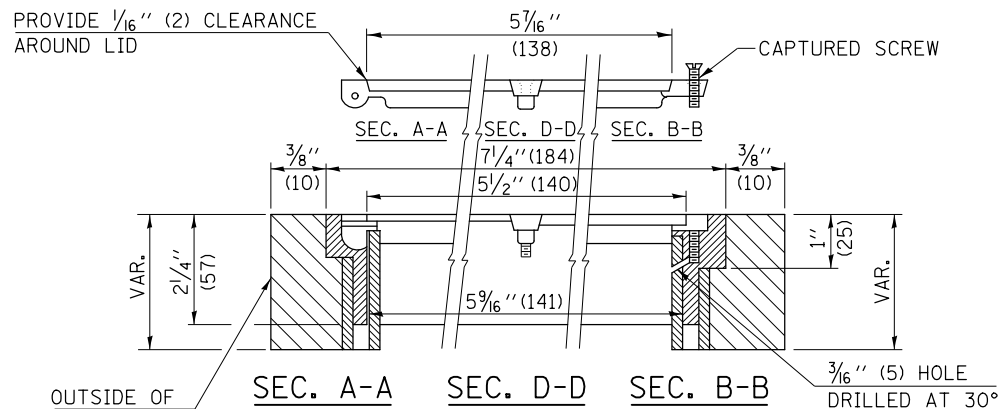
LEGEND

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

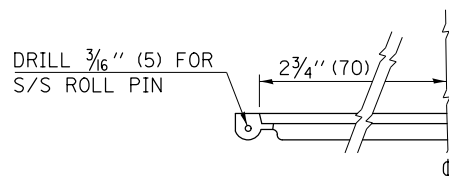


SECTION C-C

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.



ELEVATION



LID HINGE DETAIL

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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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/21/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SURVEY MONUMENT COVER ASSEMBLY

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. ----- TO STA. -----

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(41,48,81)Q	CHAMPAIGN	28	28
CONTRACT NO. 70A15				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				