

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4	*	56	1

* DOUGLAS & PIATT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**
F.A.P. ROUTE 323 (US 36)
SECTION (143,R,144)RS-4
DOUGLAS & PIATT COUNTIES
RESURFACING (3P)

MOULTRIE COUNTY LINE TO WASHINGTON ST. IN TUSCOLA

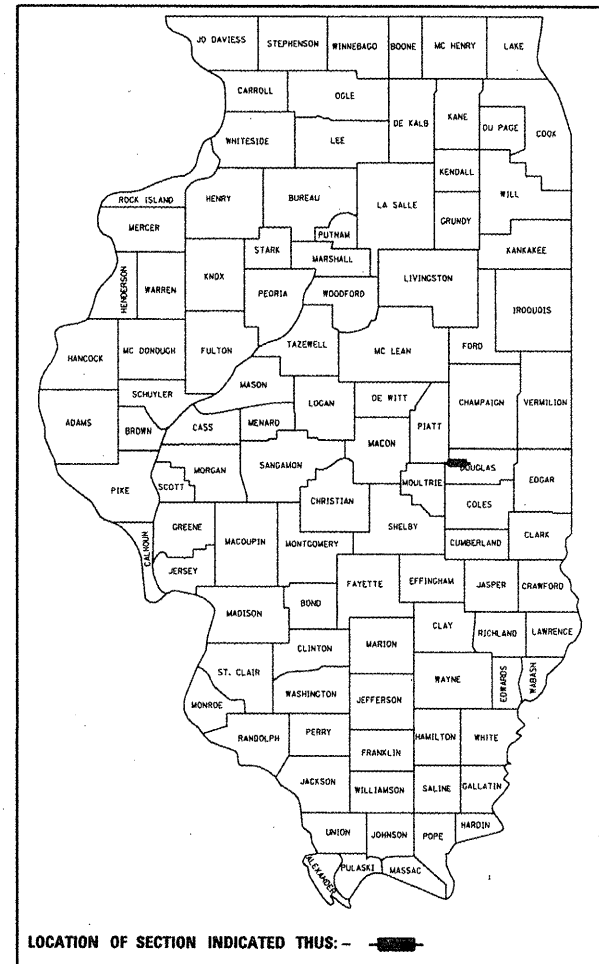
C-95-098-02

PROJECT ESP-0323(026)

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-5
FOR EXISTING STRUCTURE TYPES SEE SHEET 2

CURRENT TRAFFIC DATA				
	LEG A	LEG B	LEG C	LEG D
CURRENT ADT	4,050	4,450	5,400	5,900
20 YR. ADT	4,450	4,900	5,900	6,500
P.U. & P.C. %	85.9	85.0	87.0	88.6
S.U. %	5.0	5.8	4.6	5.0
M.U. %	9.1	9.2	8.4	6.4

D-95-050-02



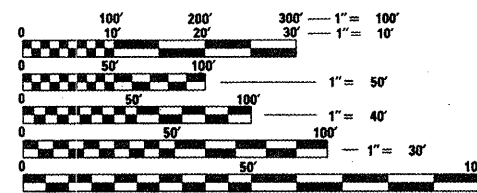
LOCATION OF SECTION INDICATED THUS: - [shaded box] -

PROJECT ENGINEER: KEVIN TRAPP (217)465-4181

SQUAD LEADER: JEFF SHERER

DESIGNER: RANDY AUSTIN

DESIGN DESIGNATION
OTHER PRINCIPAL ARTERIAL



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 *

* (UNITY, LOWE, GARRETT & TUSCOLA TOWNSHIPS)

CONTRACT NO. 70256

STATION EQUATION:
STATION 765+84.00 BK =
STATION 0+00.00 AH

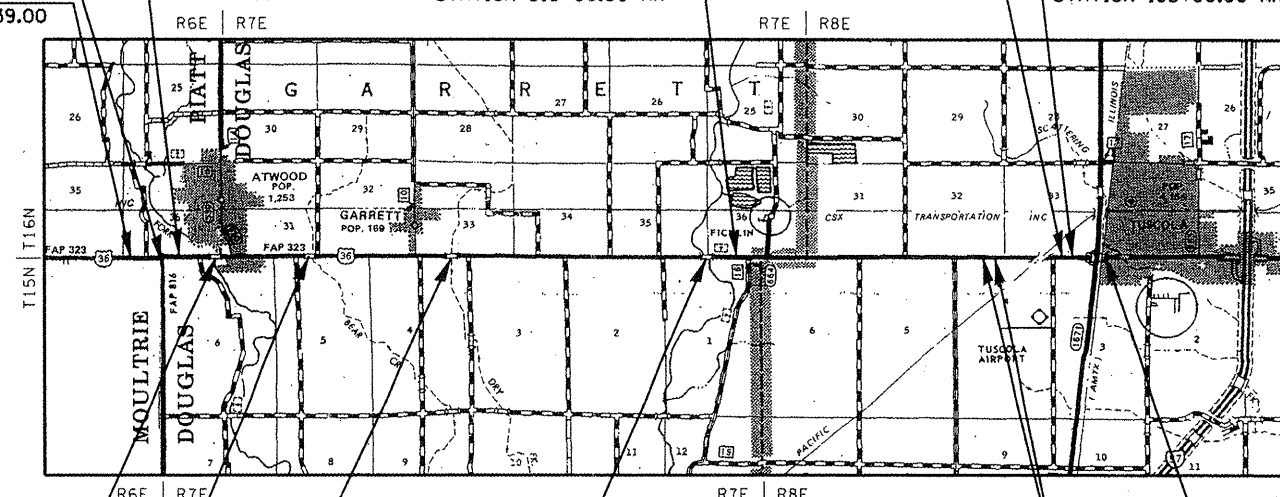
SECTION (143,R,144)RS-4
BEGINS STA 759+39.00

STATION EQUATION:
STATION 18+37.66 BK =
STATION 18+78.66 AH

STATION EQUATION:
STATION 315+83.74 BK =
STATION 316+00.00 AH

STATION EQUATION:
STATION 482+06.78 BK =
STATION 482+17.54 AH

STATION EQUATION:
STATION 492+13.60 BK =
STATION 103+00.00 AH



Ⓐ OMISSION FROM RESURFACING
STA 28+82.00 TO STA. 30+65.00
SN 021-0051

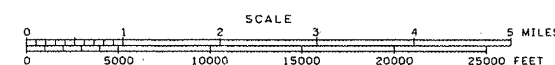
Ⓐ MILL & INLAY 1 1/2"
STA 81+95.00 TO 82+19.00
SN 021-0016

Ⓑ OMISSION FROM RESURFACING
STA 156+42.5 TO STA 157+15.00
SN 021-0017

Ⓒ OMISSION FROM RESURFACING
STA 294+41.00 TO STA 296+75.00
SN 021-0018

Ⓒ OMISSION FROM RESURFACING
STA 461+52.00 TO STA 461+71.50
SN 021-2012

SECTION (143,R,144)RS-4
ENDS STA 116+88.50



TOTAL LENGTH OF SECTION & PROJECT = 51,179.08 FEET = 9.693 MILES
NET LENGTH OF SECTION & PROJECT = 50,670.08 FEET = 9.597 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 1/23 20 09
Joseph E. Rowe
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

March 13, 20 09
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

March 13, 20 09
Christine M. Reed
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/ APPLICABLE HIGHWAY STANDARDS/STRUCTURES
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4-5	SUMMARY OF QUANTITIES
6-11	EXISTING AND PROPOSED TYPICAL CROSS-SECTIONS
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48-50	SPECIAL PAVEMENT MARKING DETAILS
51-54	TYPICAL APPLICATION OF PAVEMENT MARKINGS AND MARKERS
55	SURVEY MARKER VAULT
56	SURVEY MONUMENT COVER ASSEMBLY

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDERS ADJACENT TO FLEXIBLE PAVEMENT
701006-03	OFF ROAD OPER. 2L, 2W 15' TO PAVEMENT EDGE FOR SPEEDS \geq 45 MPH
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS \geq 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPER. DAY ONLY FOR SPEEDS \geq 45MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

STRUCTURES & CULVERTS

- | | |
|--|---|
| <p>Ⓐ S.N. 021-0016 - MILL & INLAY 1 1/2"
STA. 81+95 - STA. 82+19</p> <p>Ⓑ S.N. 021-0017 - OMISSION
STA. 156+42.5 - STA. 157+15</p> <p>Ⓒ S.N. 021-0018 - OMISSION
STA. 294+41 - STA. 296+75</p> <p>Ⓓ S.N. 021-0051 - OMISSION
STA. 28+82 - STA. 30+65</p> <p>Ⓔ S.N. 021-2012 - OMISSION
STA. 461+52 - STA. 461+71.4</p> | <p>1. S.N. 021-8011 - HMA RESURFACE
STA. - 112+03.5</p> <p>2. S.N. 021-8012 - HMA RESURFACE
STA. - 124+50</p> <p>3. S.N. 021-8013 - HMA RESURFACE
STA. 172+63.2</p> <p>4. S.N. 021-8014 - HMA RESURFACE
STA. 187+91.4</p> <p>5. S.N. 021-8015 - HMA RESURFACE
STA. 302+89.4</p> <p>6. S.N. 021-8016 - HMA RESURFACE
STA. 318+29.9</p> |
|--|---|

* DOUGLAS & PIATT

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS /HIGHWAY STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\PWIDOT\AUSTINRL\dms86981\70256details.dgn	austirnl	DRAWN -	REVISED -			323	(143,R,144)RS-4	*	56	2
		PLOT SCALE : 100.0000' / IN.	CHECKED -							
		PLOT DATE : 1/23/2009	DATE -							
						CONTRACT NO. 70256				
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
						SCALE: SHEET NO. OF SHEETS STA. TO STA.				

COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

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.-105.09A

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

G.N.-406

THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-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 HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-406.05b

ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**G.N. -406H
MIXTURE REQUIREMENTS**

The following mixture requirements are applicable for this project:

Location	US 36	US 36	US 36	US 36
Mixture Use	Level Binder	Surface, Adjacent Shld., Incid. (Leg A & B <5KADT)	Surface, Adjacent Shld. (Leg C & D >5KADT)	Class D
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (Max)	25	15	15	25
Design Air Voids	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0 5 @ Ndes=50
Mix Comp(Gradation)	IL 9.5	IL 9.5	IL 9.5	IL 19.0
Friction Aggregate	Mix C	Mix C	Mix D	N.A.

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 SETTING THESE MARKERS.

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.-1004.01

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

FILE NAME : c:\pwwork\PIWIDOT\AUSTIN\RL\dms86981\70256\details.dgn	USER NAME : oustriv1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS /GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	* DOUGLAS & PIATT CONTRACT NO. 70256
PLOT SCALE = 100.0000 / 1H.	CHECKED -	REVISED -	323			(143,R,144)RS-4	*	56	3		
PLOT DATE = 1/23/2009	DATE -	REVISED -	FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT					
SCALE:	SHEET NO.	OF	SHEETS			STA.	TO	STA.			

SUMMARY OF QUANTITIES

CODE NO.	ITEM CONSTRUCTION CODE	UNIT	TOTAL QUANTITY	FAP 323 (US 36) PIATT CO. STA. 759+39 TO STA.765+84 (BK)	FAP 323 (US 36) DOUGLAS CO. STA. 0+00 TO STA. 116+88.50	FAP 323 (US 36) DOUGLAS CO. BRIDGE S.N. 021-0016
				RURAL 100% FED I000	RURAL 100% FED I000	RURAL 100% FED X020-2A
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	18197.0	290.0	17907.0	
40600300	AGGREGATE (PRIME COAT)	TON	364.0	6.0	358.0	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	6102.0	105.0	5997.0	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2127.0	100.0	2027.0	
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	1372.0	0.0	1372.0	
40600990	TEMPORARY RAMP	SQ YD	6988.0	100.0	6888.0	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	8758.0	210.0	8538.0	10.0
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	3497.0	0.0	3497.0	
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1439.0	9.0	1430.0	
40800030	AGGREGATE (PRIME COAT)	TON	29.0	1.0	28.0	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1210.0	7.0	1203.0	
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	139042.0	2392.0	136650.0	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	4515.0	0.0	4403.0	112.0
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	13017.0	82.0	12935.0	
44201835	CLASS D PATCHES, TYPE I, 16 INCH	SQ YD	11.0	0.0	11.0	
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SQ YD	947.0	0.0	947.0	
44201843	CLASS D PATCHES, TYPE III, 16 INCH	SQ YD	224.0	0.0	224.0	
44201845	CLASS D PATCHES, TYPE IV, 16 INCH	SQ YD	129.0	0.0	129.0	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2826.0	35.0	2791.0	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	3032.0	34.0	2998.0	
48203105	HOT-MIX ASPHALT SHOULDER SPECIAL	TON	86.0	0.0	86.0	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4.0	0.0	4.0	
67100100	MOBILIZATION	L SUM	1.0	0.1	0.9	

*SPECIALTY ITEMS

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. 323	SECTION 043,R,144RS-4	COUNTY	TOTAL SHEETS 56	SHEET NO. 4
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						CONTRACT NO. 70256				
						FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

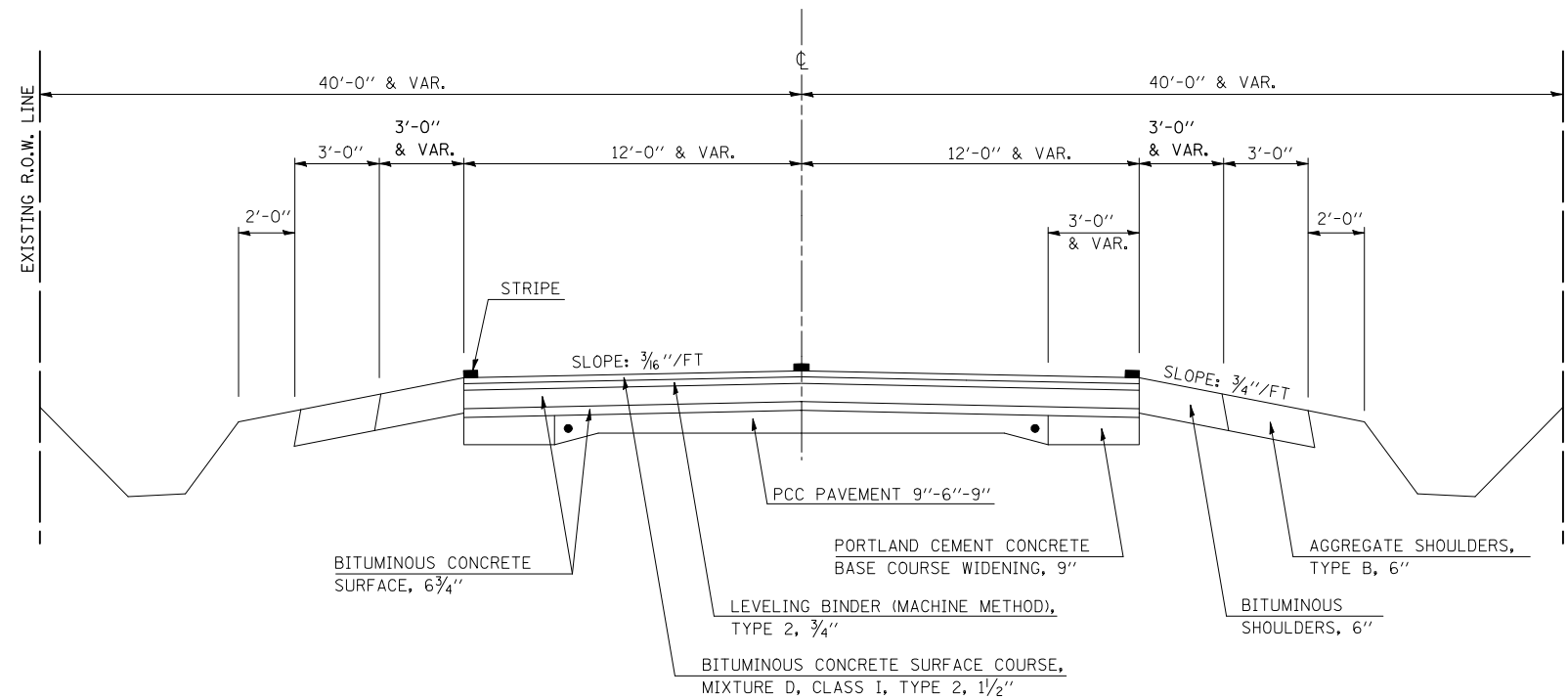
SUMMARY OF QUANTITIES

CODE NO.	ITEM CONSTRUCTION CODE	UNIT	TOTAL QUANTITY	FAP 323 (US 36) PIATT CO. STA. 759+39 TO STA. 765+84 (BK)	FAP 323 (US 36) DOUGLAS CO. STA. 0+00 TO STA. 116+88.50	FAP 323 (US 36) DOUGLAS CO. BRIDGE SN 021-0016
				RURAL 100% FED 1000	RURAL 100% FED 1000	RURAL 100% FED X020-2A
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	0.1	0.9	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	0.1	0.9	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	15426.0	256.0	15170.0	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1713.0	29.0	1684.0	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	172.0	0.0	172.0	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7404.0	490.0	6914.0	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1072.0	0.0	1072.0	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	34.0	0.0	34.0	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	125702.0	490.0	125212.0	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	728.0	6.0	722.0	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	728.0	6.0	722.0	
X0301232	SURVEY MARKER VAULT	EACH	6.0	0.0	6.0	
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	8.0	0.0	8.0	

*SPECIALTY ITEMS

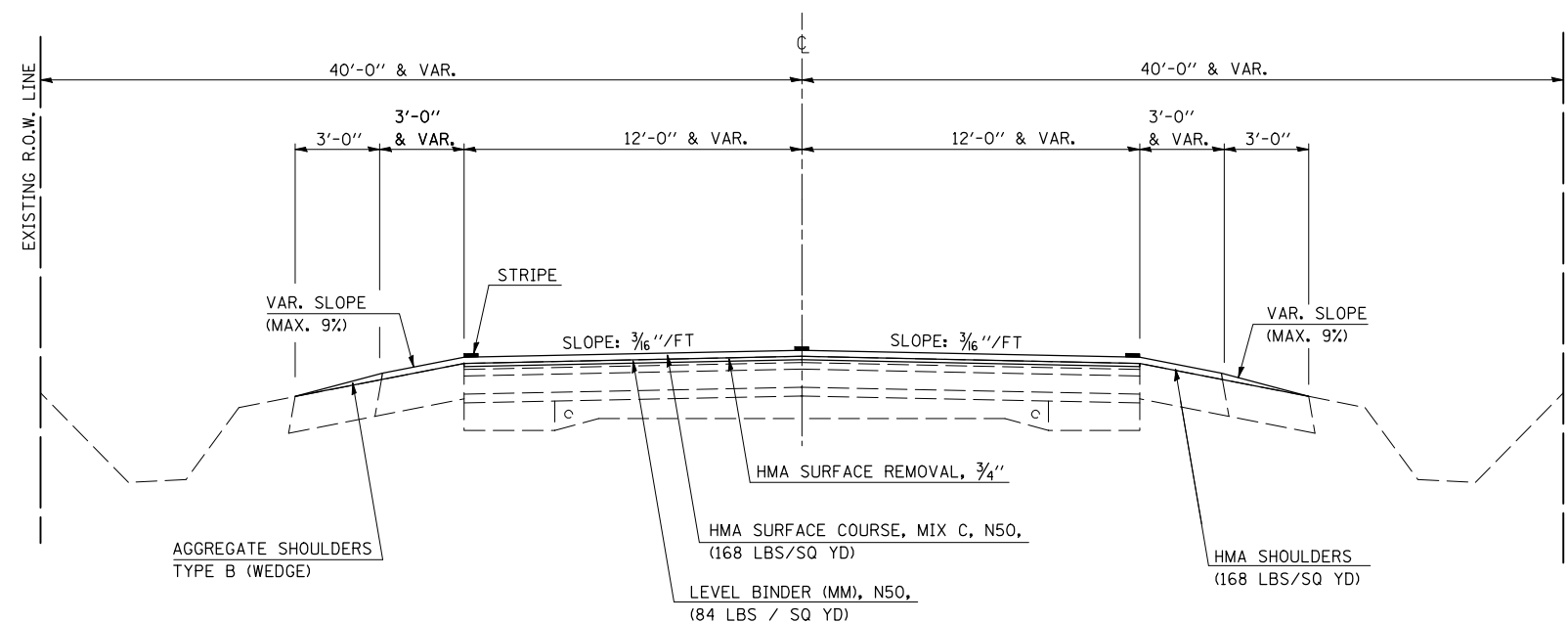
EXISTING TYPICAL CROSS SECTION

STA. 759+39.00 TO STA. 765+84.00 (BK)
(AH) STA. 0+00.00 TO STA. 11+00.00



① **PROPOSED TYPICAL CROSS SECTION**

STA. 759+39.00 TO STA. 765+84.00 (BK)
(AH) STA. 0+00.00 TO STA. 11+00.00



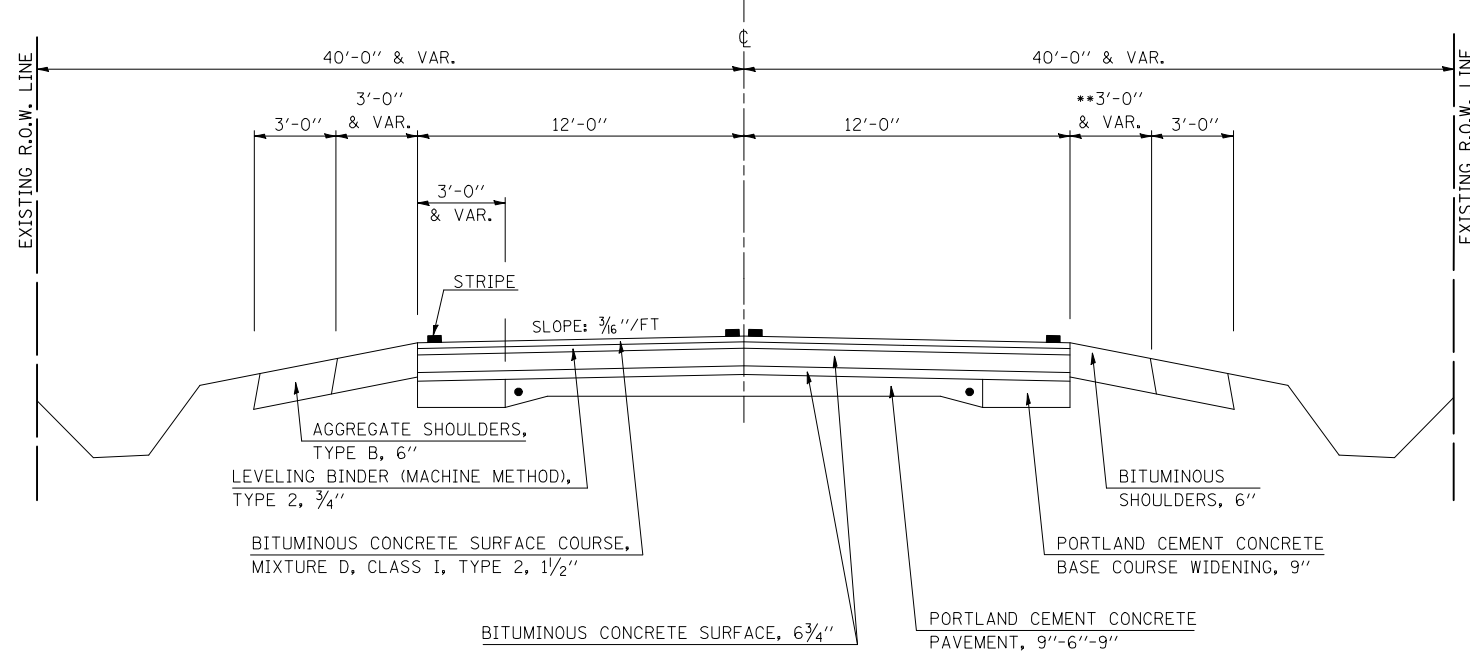
• (143,R,144)RS-4
• Douglas & Platt

FILE NAME =	USER NAME = austinr1	DESIGNED - RA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -										
PLOT DATE = 1/23/2009		DATE -	REVISED -										
												CONTRACT NO. 70256	
												FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

EXISTING TYPICAL CROSS SECTION

STATION 11+00.00 TO STATION 18+37.66 BK.
 STATION 18+78.66 AH. TO STATION 315+85.74 BK.
 STATION 316+00.00 AH. TO STATION 376+85.50
 STATION 376+85.50 TO STATION 471+49.00
 STATION 480+95.00 TO STATION 482+06.78 BK.
 STATION 482+17.54 AH. TO STATION 492+13.60 BK.
 STATION 103+00.00 AH. TO STATION 116+88.50

•• FROM STA. 9+88.90 TO STA. 35+84
 HMA SHOULDER WIDENS TO 8'-0"
 FOR BUGGY LANES.

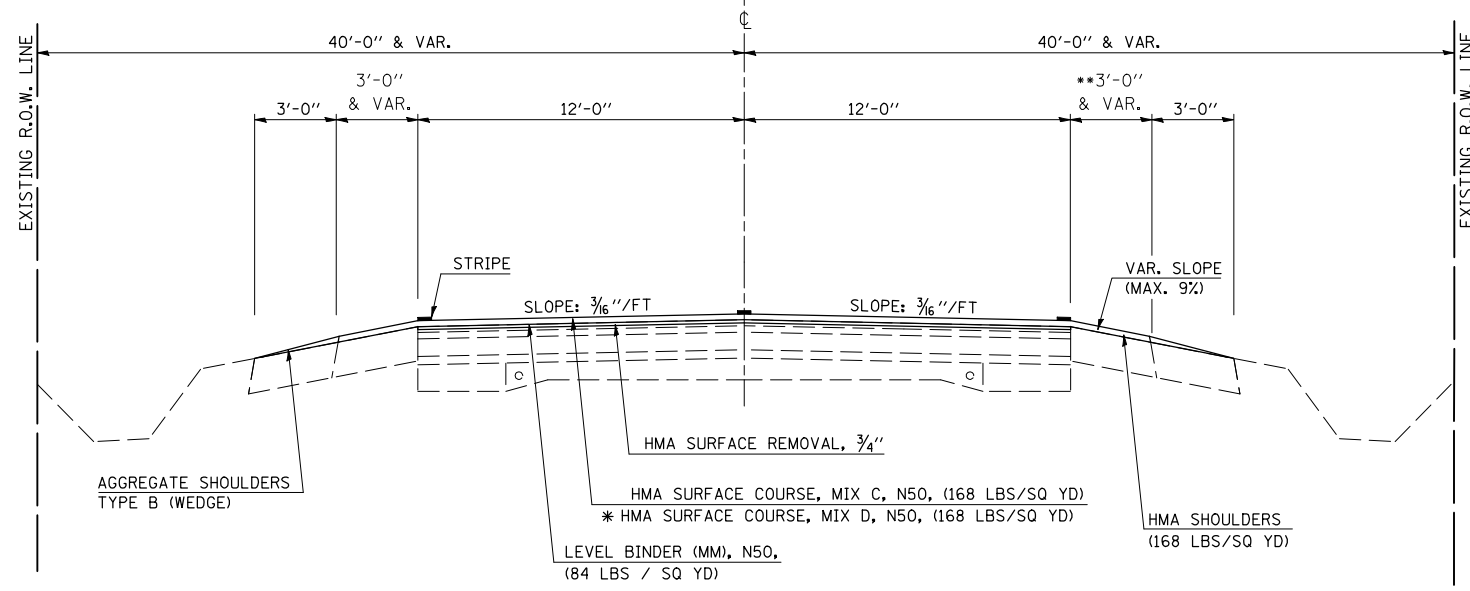


② PROPOSED TYPICAL CROSS SECTION

① STATION 11+00.00 TO STATION 18+37.66 BK.
 STATION 18+78.66 AH. TO STATION 315+85.74 BK.
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 STATION 480+95.00 TO STATION 482+06.78 BK.
 STATION 482+17.54 AH. TO STATION 492+13.60 BK.
 STATION 103+00.00 AH. TO STATION 116+88.50

* CHANGE TO MIX "D"
 STATION 376+85.50 TO 116+88.50

•• FROM STA. 9+88.90 TO STA. 35+84
 HMA SHOULDER WIDENS TO 8'-0"
 FOR BUGGY LANES.



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FILE NAME =	USER NAME = austinr1	DESIGNED - RA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		CHECKED -	REVISED -		CONTRACT NO. 70256								
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

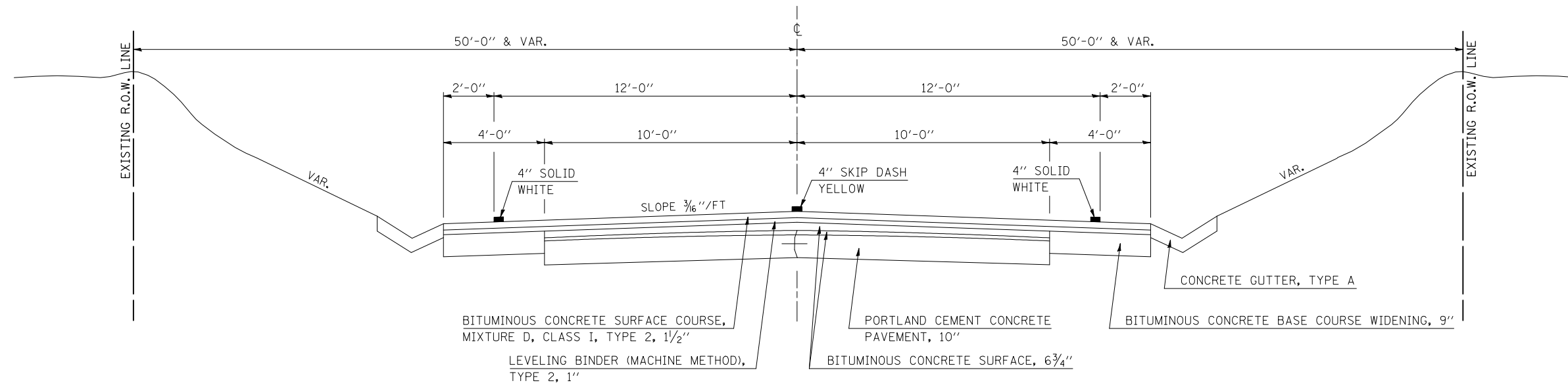
EXISTING TYPICAL CROSS SECTION

RAILROAD SUBWAY

STATION 471+49.00 TO STATION 473+72.60
STATION 477+49.50 TO STATION 481+08.30

OMISSION:

STATION 473+72.60 TO STATION 477+49.50



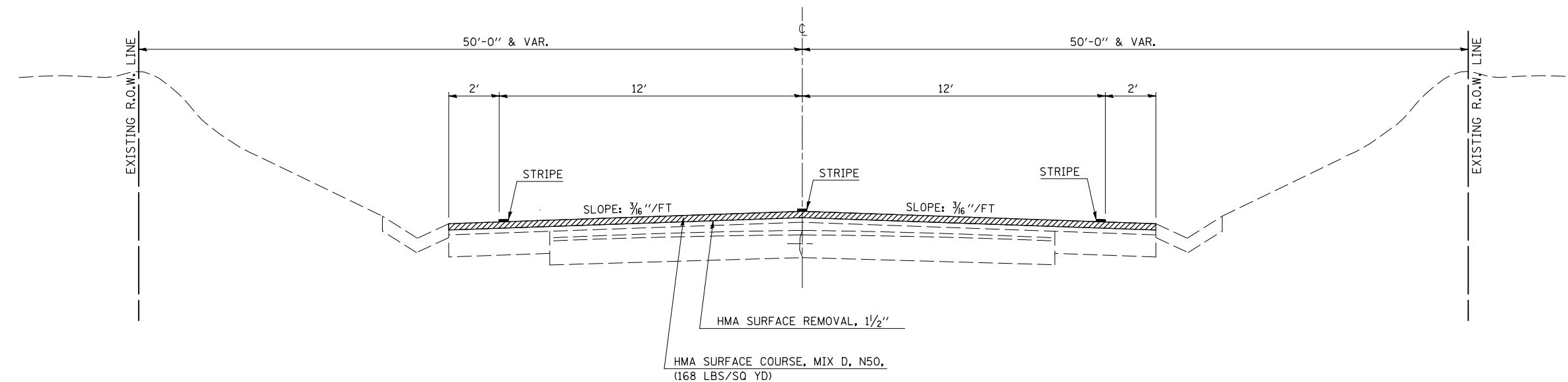
③ PROPOSED TYPICAL CROSS SECTION

RAILROAD SUBWAY

STATION 471+49.00 TO STATION 473+72.60
STATION 477+49.50 TO STATION 481+08.30

OMISSION:

STATION 473+72.60 TO STATION 477+49.50



• (143,R,144)RS-4
•• Douglas & Platt

FILE NAME =	USER NAME = austinr1	DESIGNED - RA	REVISED -
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PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 1/23/2009		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

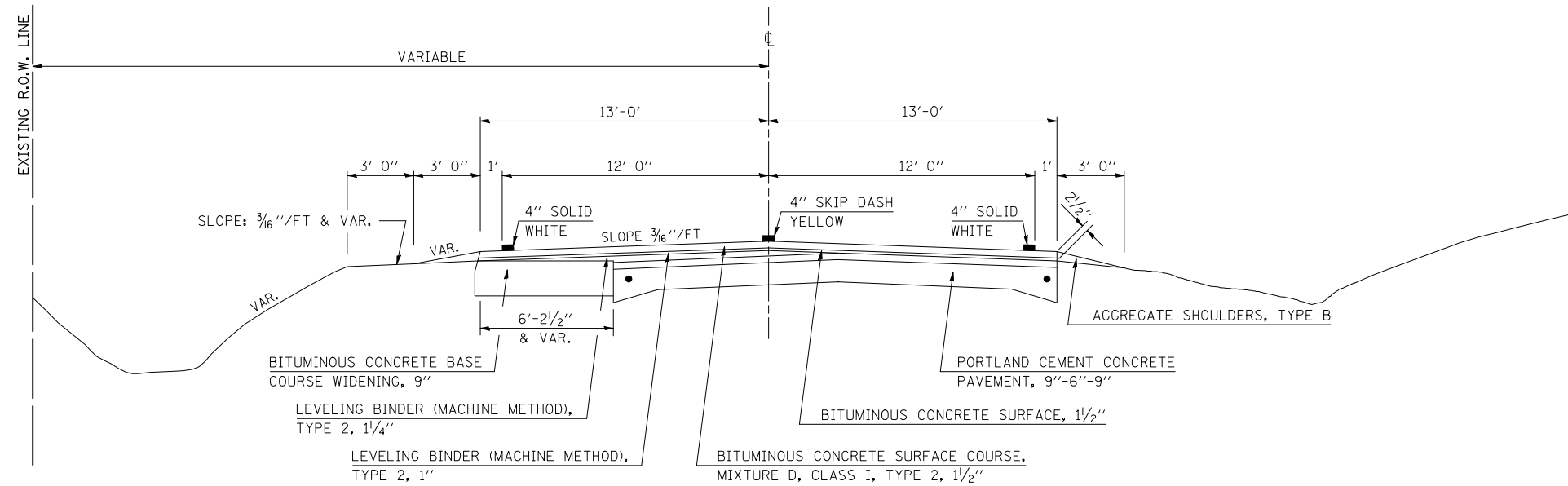
EXISTING & PROPOSED TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	56	8
CONTRACT NO. 70256				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

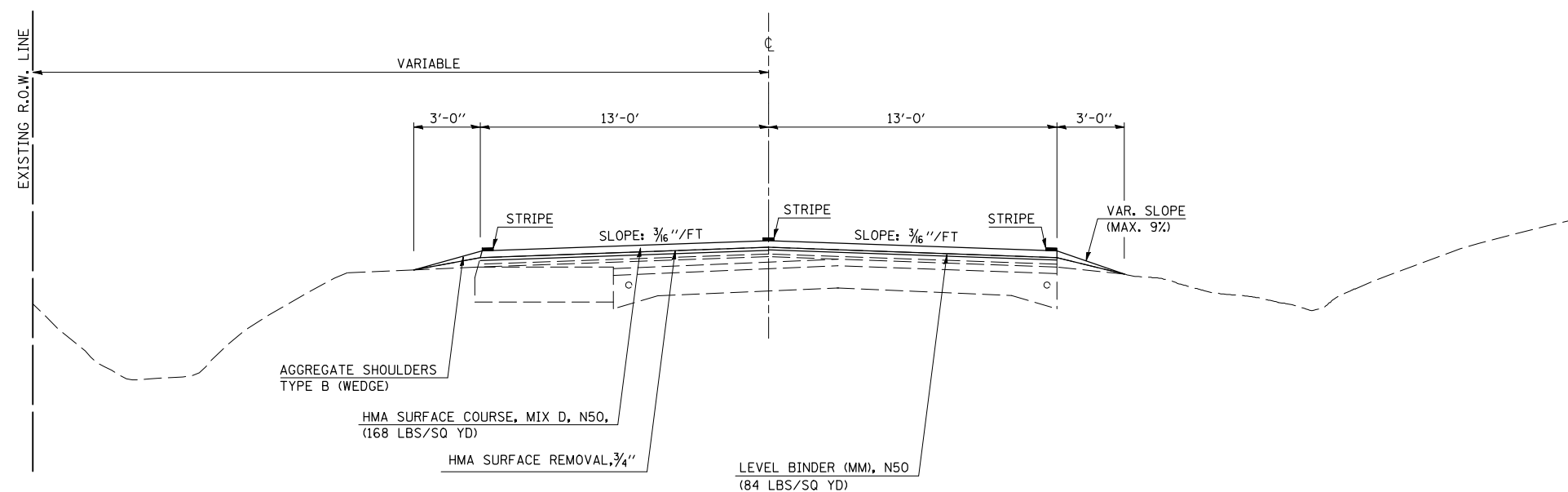
EXISTING TYPICAL CROSS SECTION

U.S. 36 & U.S. 45 INTERCHANGE
NORTH RAMP
STATION 1000+31 TO STATION 1005+00



④ PROPOSED TYPICAL CROSS SECTION

U.S. 36 & U.S. 45 INTERCHANGE
NORTH RAMP
STATION 1000+31 TO STATION 1005+00

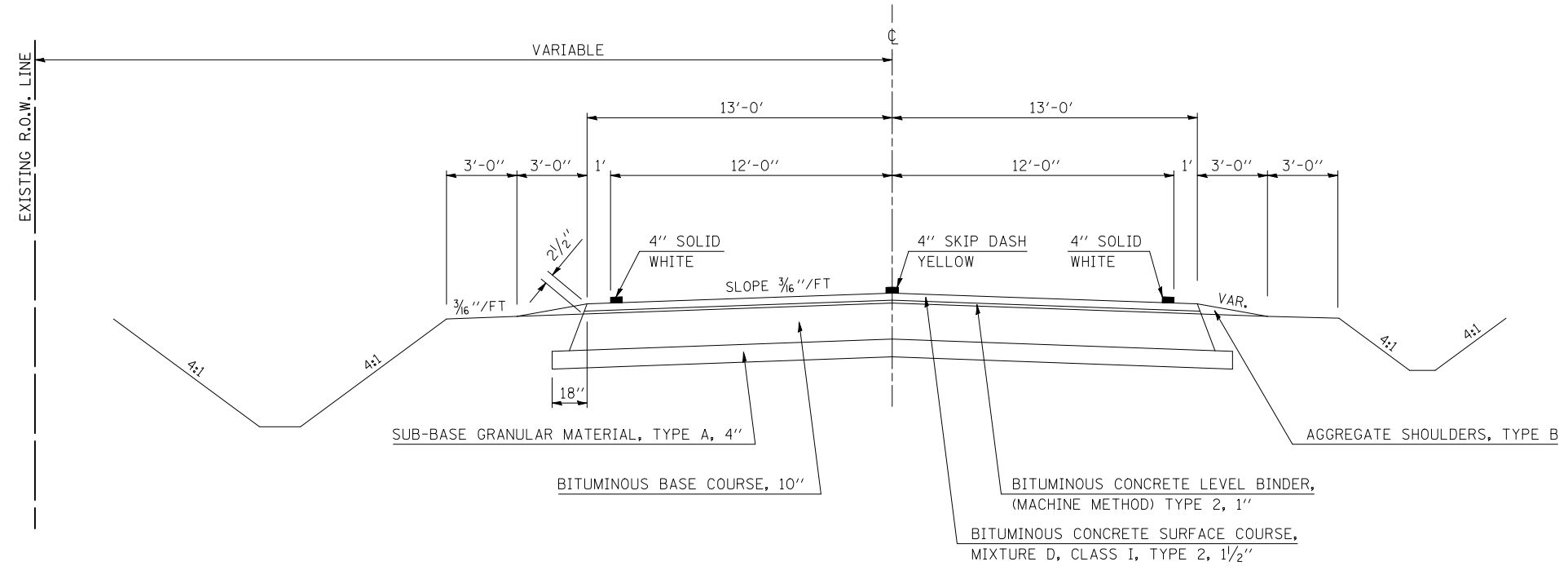


• (143,R,144)RS-4
•• Douglas & Platt

FILE NAME =	USER NAME = austinr1	DESIGNED - RA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PIWIDOT\AUSTINRL\dms06981\70256typicals.dgn		DRAWN - RA	REVISED -		*	*	56	9				
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 70256							
PLOT DATE = 1/23/2009		DATE -	REVISED -		SCALE: NA	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

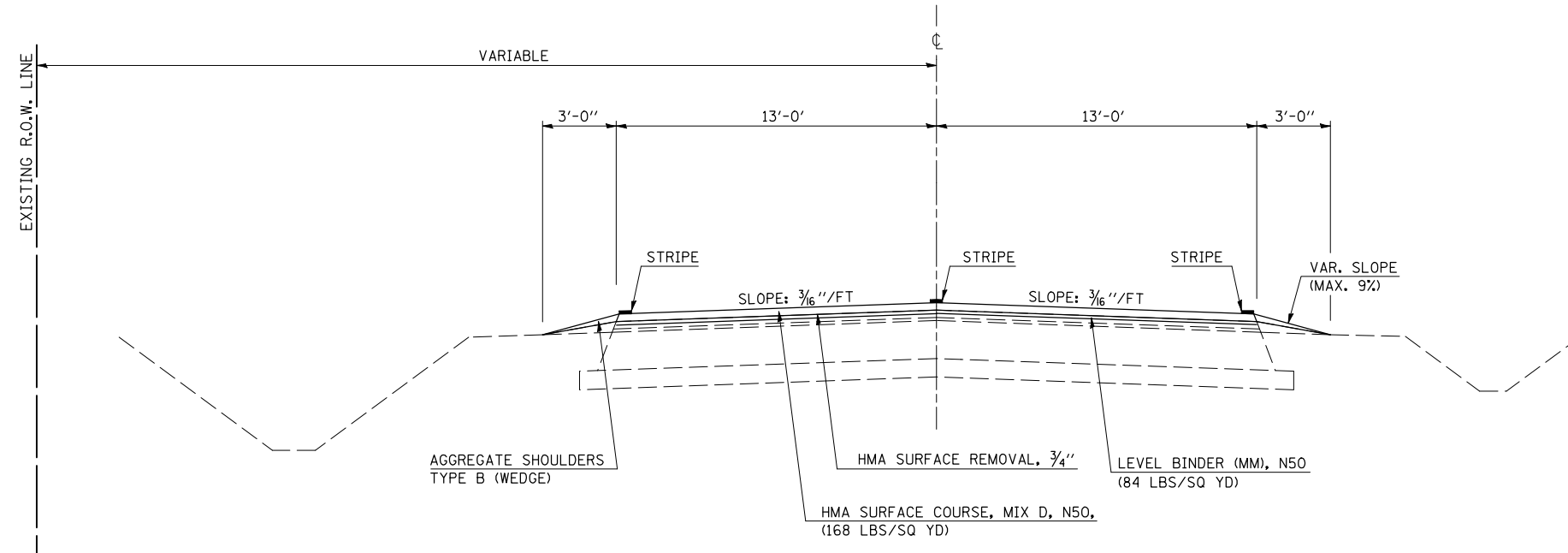
EXISTING TYPICAL CROSS SECTION

U.S. 36 & U.S. 45 INTERCHANGE
NORTH RAMP
STATION 1005+00 TO STATION 1007+19.5



⑤ PROPOSED TYPICAL CROSS SECTION

U.S. 36 & U.S. 45 INTERCHANGE
NORTH RAMP
STATION 1005+00 TO STATION 1007+19.5



• (143,R,144)RS-4
•• Douglas & Platt

FILE NAME =	USER NAME = austinr1	DESIGNED - RA	REVISED -
ct:\pw\work\PWIDOT\AUSTINRL\dms86981\70256\typical.dgn		DRAWN - RA	REVISED -
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 1/23/2009		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

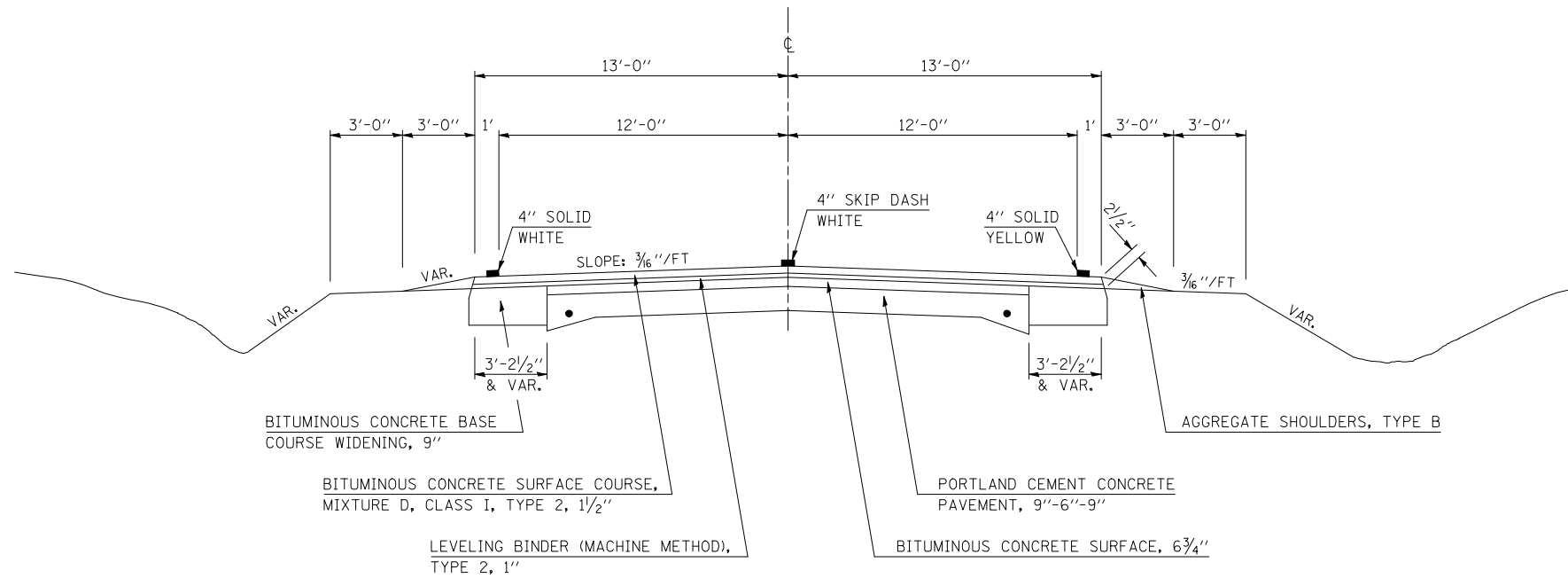
EXISTING & PROPOSED TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	56	10
CONTRACT NO. 70256				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

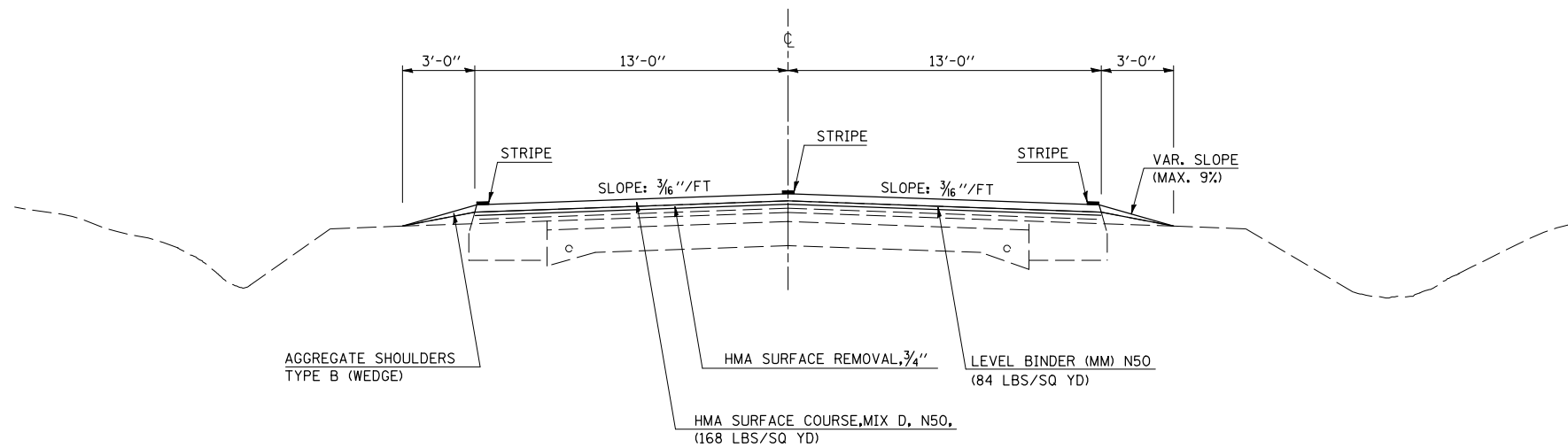
EXISTING TYPICAL CROSS SECTION

U.S. 36 & U.S. 45 INTERCHANGE
SOUTH RAMP
STATION 2000+00 TO STATION 2009+04.00



⑥ PROPOSED TYPICAL CROSS SECTION

U.S. 36 & U.S. 45 INTERCHANGE
SOUTH RAMP
STATION 2000+00 TO STATION 2009+04.00



• (143,R,144)RS-4
•• Douglas & Platt

FILE NAME =	USER NAME = austinr1	DESIGNED - RA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PIWIDOT\AUSTINRL\dms06981\70256\typicals.dgn	DRAWN - RA	REVISED -						*	*	56	11	
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 70256							
PLOT DATE = 1/23/2009	DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT						

HOT MIX ASPHALT CALCULATIONS																
							40600982	44000155	44000152			40603310	40603335	40600625	40600100-BIT.	40600300-
				LENGTH	WIDTH	AREA	HMA SURF.	HMA SURF.	HMA SURF.	BCSC	LEV BIND	HMA SC	HMA SC	LEVEL	MATLS. (PRIME	AGG. (PRIME
				(FOOT)	(FOOT)	(SQ YD)	REM. (BUTT	REM., 1 1/2"	REM., 3/4"	THICKNESS	THICKNESS	MIX "C"	MIX "D"	BIND. (MM)	COAT	COAT)
							JOINT)	(SQ YD)	(SQ YD)	(INCHES)	(INCHES)	N50	N50	N50		
				759+39.00		100.0		0.0	0.0	1.5	0.75	8.4	0.0	4.2	10.0	0.2
				759+69.00	BK 615.0	2392.0		0.0	2392.0	1.5	0.75	200.9	0.0	100.5	239.2	4.8
				00+00.00	AH 10+00.00	1000.0		0.0	3888.9	1.5	0.75	326.7	0.0	163.3	388.9	7.8
				10+00.00	BK 18+37.66	2233.8		0.0	2233.8	1.5	0.75	187.6	0.0	93.8	223.4	4.5
				18+78.66	AH 28+82.00	973.3		0.0	2595.6	1.5	0.75	218.0	0.0	109.0	259.6	5.2
				28+52.00		30.0		0.0	0.0	1.5	0.75	10.4	0.0	5.2	12.3	0.2
				OMISSION 28+82.00		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				30+85.00		30.0		0.0	123.3	1.5	0.75	10.4	0.0	5.2	12.3	0.2
				30+95.00		5025.0		0.0	13400.0	1.5	0.75	1125.6	0.0	562.8	1340.0	26.8
				81+20.00		174.0		0.0	599.3	1.5	0.75	50.3	0.0	25.2	59.9	1.2
				82+94.00		7318.5		0.0	19516.0	1.5	0.75	1639.3	0.0	819.7	1951.6	39.0
				156+12.50		30.0		0.0	123.3	1.5	0.75	10.4	0.0	5.2	12.3	0.2
				OMISSION 156+42.50		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				157+15.00		30.0		0.0	123.3	1.5	0.75	10.4	0.0	5.2	12.3	0.2
				157+45.00		13866.5		0.0	36444.0	1.5	0.75	3061.3	0.0	1530.6	3644.4	72.9
				294+11.50		29.5		0.0	118.0	1.5	0.75	9.9	0.0	5.0	11.8	0.2
				OMISSION 294+41.00		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				296+75.00		30.0		0.0	116.7	1.5	0.75	9.8	0.0	4.9	11.7	0.2
				297+05.00	BK 315+83.74	5010.0		0.0	5009.9	1.5	0.75	420.8	0.0	210.4	501.0	10.0
				316+00.00	AH 375+85.50	5985.5		0.0	15961.3	1.5	0.75	1340.8	0.0	670.4	1596.1	31.9
				376+85.50		8436.5		0.0	22497.3	1.5	0.75	0.0	1889.8	944.9	2249.7	45.0
				461+22.00		30.0		0.0	123.3	1.5	0.75	10.4	0.0	5.2	12.3	0.2
				OMISSION 461+52.00		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				461+71.40		30.0		0.0	123.3	1.5	0.75	10.4	0.0	5.2	12.3	0.2
				462+01.40		933.6		0.0	2489.6	1.5	0.75	0.0	209.1	104.6	249.0	5.0
				471+35.00		241.0		0.0	830.1	1.5	0.75	0.0	69.7	34.9	83.0	1.7
				OMISSION 473+76.00		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				477+41.00		379.0		0.0	1305.4	1.5	0.75	0.0	109.7	54.8	130.5	2.6
				481+20.00	BK 482+06.78	231.4		0.0	231.5	1.5	0.75	0.0	19.4	9.7	23.1	0.5
				482+17.54	AH 492+13.82	2656.7		0.0	2656.8	1.5	0.75	0.0	223.2	111.6	265.7	5.3
				103+00.00	AH 116+58.50	1358.5		0.0	3622.7	1.5	0.75	0.0	304.3	152.2	362.3	7.2
				116+58.50		30.0		0.0	73.3	1.5	0.75	0.0	6.2	3.1	7.3	0.1
				TURN LANE 113+12.00		346.5		0.0	462.0	1.5	0.75	0.0	38.8	19.4	46.2	0.9
				NORTH RAMP 1000+19.00		670.5		0.0	1937.0	1.5	0.75	0.0	162.7	81.4	193.7	3.9
				1006+89.50		30.0		0.0	146.7	1.5	0.75	0.0	12.3	6.2	14.7	0.3
				SOUTH RAMP 2000+00.00		874.0		0.0	2524.9	1.5	0.75	0.0	212.1	106.0	252.5	5.0
				2008+74.00		30.0		0.0	216.7	1.5	0.75	0.0	18.2	9.1	21.7	0.4
				SIDEROAD 050 E **36+07 LT		442.10		65.96	442.12	1.5	0.75	51.8	0.0	18.6	61.7	1.2
				SIDEROAD 610 E **328+36.6 LT		546.92		115.30	546.92	1.5	0.75	64.6	0.0	23.0	76.9	1.5
				SIDEROAD ***348+38 LT		3226.49		0.0	0.0	1.5	0.75	0.0	30.1	15.1	35.8	0.7
				***349+00 LT				0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				SIDEROAD **487+05.1 LT		7113.75		105.36	790.42	1.5	0.75	0.0	84.6	33.2	100.8	2.0
				**487+55.4 LT				111.80	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				TURN 329+53 - 331+36 LT		218.0		0.0	218.0	1.5	0.75	0.0	18.3	9.2	21.8	0.4
				LANES 349+53 - 353+62 LT		439.3		0.0	439.3	1.5	0.75	0.0	36.9	18.5	43.9	0.9
				488+31 - 491+73 LT		357.9		0.0	357.9	1.5	0.75	0.0	30.1	15.0	35.8	0.7
				TOTAL				2126.4	4514.3			8757.4	3496.2	6101.2	14587.6	291.6
				USE				2127.0	4515.0			8758.0	3497.0	6102.0	14588.0	292.0

** The butt joint is separated out from side road areas due to the median dividing the butt joints. Inlay of 1 1/2" due to curb & gutter and medians.
 *** Entrance and turn lane should be milled 3/4". No butt joint taper back length specified.
 SIDEROADS AND TURN LANES WERE MEASURED ON CADD.
 HMA Surface Removal 3/4" is for 24' wide pavement.

Butt Joint & Surf. Rem.
 Same as area in sq yd.

Level Binder
 (Area * 0.75" * 112) / 2000

Surface Course
 (Area * 1.5" * 112) / 2000

Bit. Prime
 Area * 0.1
 Agg. Prime
 (Area * 4) / 2000

* DOUGLAS & PIATT

FILE NAME =	USER NAME = austin1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PIWIDD\AUSTINRL\dms86981\70256\deta1.s.dgn		DRAWN -	REVISED -						323	(143,R,144)RS-4	*	56	12
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 70256				
PLOT DATE = 1/23/2009		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

INCIDENTAL SCHEDULE

Table with columns: LOCATION, AREA (CADD), Private Entrance, Field Entrance, Commercial Entrance, Mailbox Turnouts, Side Roads, 44000196 - HMA Surf. Rem., Spl., 40600985 - PCC Surf. Rem., Bt. Jt., 40800010 - Bit. Mtis. (Prime Coat), 40800030 - Agg. (Prime Coat). Includes data for various stationing points and summary rows.

40800050 - Incidental HMA Surface

Table with columns: LOCATION, AREA (CADD), Private Entrance, Field Entrance, Commercial Entrance, Mailbox Turnouts, Side Roads, 44000196 - HMA Surf. Rem., Spl., 40600985 - PCC Surf. Rem., Bt. Jt., 40800010 - Bit. Mtis. (Prime Coat), 40800030 - Agg. (Prime Coat). Includes data for various stationing points and summary rows.

Metadata table with columns: FILE NAME, USER NAME, DESIGNED, REVISED, DRAWN, CHECKED, DATE.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES table with columns: SCALE, SHEET NO., OF, SHEETS, STA., TO STA.

Summary table with columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. Includes values like 323, (143,R,144)RS-4, *, 56, 13, 70256.

* DOUGLAS & PIATT

LOCATION	AREA (CADD)	40800050 - Incidental HMA Surface					44000196 - HMA Surf. Rem., Spl.	40600985 - PCC Surf. Rem., Bl. Jt.	40800010 - Bit. MUs. (Prime Coat)	40800030 - Agg. (Prime Coat)
		Private Entrance	Field Entrance	Commercial Entrance	Mailbox Turnouts	Side Roads				
		TON	TON	TON	TON	TON				
	SQ FT	TON	TON	TON	TON	TON	SQ YD	SQ YD	GAL	TON
RT STA. 328+45.5	246.81		2.3				27.4		2.7	0.05
RT STA. 336+62	282.95		2.6				31.4		3.1	0.06
LT STA. 343+28	333.72			3.1			37.1		3.7	0.07
LT STA. 344+60	262.92			2.5			29.2		2.9	0.06
LT STA. 346+97	259.14			2.4			28.8		2.9	0.06
RT STA. 356+85	258.79		2.4				28.8		2.9	0.06
RT STA. 357+30.8	398.51			3.7				44.3	4.4	0.09
RT STA. 359+21.3	369.60			3.4				41.1	4.1	0.08
RT STA. 360+76.7	395.01			3.7				43.9	4.4	0.09
LT STA. 362+66.3	404.51			3.8			44.9		4.5	0.09
LT STA. 366+36	290.87		2.7				32.3		3.2	0.06
RT STA. 369+20	238.92		2.2				26.5		2.7	0.05
LT STA. 372+13.3	633.50			5.9			70.4		7.0	0.14
RT STA. 376+85.5	727.16					6.8	80.8		8.1	0.16
LT STA. 376+90	476.50			4.4				52.9	5.3	0.11
RT STA. 385+83	280.55		2.6				31.2		3.1	0.06
LT STA. 386+38.8	305.87		2.9				34.0		3.4	0.07
RT STA. 386+50	426.91			4.0			47.4		4.7	0.09
LT STA. 388+40	839.47			7.8			93.3		9.3	0.19
RT STA. 395+65	287.76	2.7					32.0		3.2	0.06
LT STA. 402+20	882.92					8.2	98.1		9.8	0.20
LT STA. 402+88	397.53				3.7		44.2		4.4	0.09
RT STA. 403+35	307.17		2.9				34.1		3.4	0.07
LT STA. 409+59.2	275.78		2.6				30.6		3.1	0.06
RT STA. 411+00	280.24			2.6			31.1		3.1	0.06
RT STA. 419+16	371.01			3.5			41.2		4.1	0.08
LT STA. 420+97	309.37		2.9				34.4		3.4	0.07
LT STA. 421+82	306.16		2.9				34.0		3.4	0.07
LT STA. 423+73.7	328.64	3.1					36.5		3.7	0.07
LT STA. 425+86.6	206.09	1.9					22.9		2.3	0.05
LT STA. 427+60	407.66			3.8				45.3	4.5	0.09
LT STA. 428+40	400.46			3.7				44.5	4.4	0.09
RT STA. 428+86.8	1367.59					12.8	152.0		15.2	0.30
LT STA. 441+78	383.08		3.6				42.6		4.3	0.09
RT STA. 447+12	306.51	2.9					34.1		3.4	0.07
RT STA. 447+80.2	192.00		1.8				21.3		2.1	0.04
RT STA. 455+16.5	271.52		2.5				30.2		3.0	0.06
LT STA. 455+16			4.1				49.2		4.9	0.10
LT STA. 455+60	443.01									
LT STA. 471+18	432.23				4.0		48.0		4.8	0.10
RT STA. 471+24	457.03			4.3			50.8		5.1	0.10
RT STA. 481+29	230.53	2.2					25.6		2.6	0.05
RT STA. 482+28.3	945.25					8.8	105.0		10.5	0.21
LT STA. 482+30	332.75		3.1				37.0		3.7	0.07
RT STA. 106+93.6	310.18		2.9				34.5		3.4	0.07
RT STA. 109+04.6	340.31	3.2					37.8		3.8	0.08
LT STA. 109+19.5	347.92		3.2				38.7		3.9	0.08
SOUTH RAMP										
LT STA. 2007+66	527.20			4.9			58.6		5.9	0.1
RT STA. 2007+72	393.26			3.7			43.7		4.4	0.1
PAGE TOTAL		115.5	204.8	219.9	75.7	198.2	8860.4	821.6	968.2	19.4
SUB-TOTAL		179.4	296.3	323.1	106.5	304.9	13017.0	1371.3	1438.8	28.8
USE				1210.0			13017.0	1372.0	1439.0	29.0

Incidental HMA
sq yds x depth x 1 1/2" / 2000

depth = 2 1/4" - 3/4" = 1 1/2"

HMA Surf. Rem., Spl & PCC
sq ft. / 9

Bit. Prime
sq. yds. x 0.1

Agg. Prime
sq. yds x 4 / 2000

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ce:\pw\work\PIWIDOT\AUSTINRL\dms86981\70256\detailed.dgn		DRAWN -	REVISED -			323	(143,R,144)RS-4	*	56	14	
		CHECKED -	REVISED -			CONTRACT NO. 70256					
		DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
										FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

* DOUGLAS & PIATT

48101200 AGGREGATE SHOULDERS, TYPE B

	STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	SHOULDER THICKNESS (INCHES)	TON
	759+39.00		759+69.00	30.0	3.0	10.0	1.5	1.6
	759+69.00		765+84.00	BK 615.0	3.0	205.0	1.5	33.3
	00+00.00	AH	10+00.00	1000.0	3.0	333.3	1.5	54.2
	10+00.00		18+37.66	BK 837.7	3.0	279.2	1.5	45.4
	18+78.66	AH	28+52.00	973.3	3.0	324.4	1.5	52.7
	28+52.00		28+82.00	30.0	3.0	10.0	1.5	1.6
OMISSION	28+82.00		30+65.00	0.0	0.0	0.0	0.0	0.0
	30+65.00		30+95.00	30.0	3.0	10.0	1.5	1.6
	30+95.00		81+20.00	5025.0	3.0	1675.0	1.5	272.2
	81+20.00		82+94.00	174.0	3.0	58.0	1.5	9.4
	82+94.00		156+12.50	7318.5	3.0	2439.5	1.5	396.4
	156+12.50		156+42.50	30.0	3.0	10.0	1.5	1.6
OMISSION	156+42.50		157+15.00	0.0	0.0	0.0	0.0	0.0
	157+15.00		157+45.00	30.0	3.0	10.0	1.5	1.6
	157+45.00		294+11.50	13666.5	3.0	4555.5	1.5	740.3
	294+11.50		294+41.00	29.5	3.0	9.8	1.5	1.6
OMISSION	294+41.00		296+75.00	234.0	3.0	78.0	1.5	12.7
	296+75.00		297+05.00	30.0	3.0	10.0	1.5	1.6
	297+05.00		315+83.74	BK 1878.7	3.0	626.2	1.5	101.8
	316+00.00	AH	375+85.50	5985.5	3.0	1995.2	1.5	324.2
	375+85.50		461+22.00	8536.5	3.0	2845.5	1.5	462.4
	461+22.00		461+52.00	30.0	3.0	10.0	1.5	1.6
OMISSION	461+52.00		461+71.40	0.0	0.0	0.0	0.0	0.0
	461+71.40		462+01.40	30.0	3.0	10.0	1.5	1.6
	462+01.40		471+35.00	933.6	3.0	311.2	1.5	50.6
	471+35.00		473+76.00	241.0	3.0	80.3	1.5	13.1
OMISSION	473+76.00		477+41.00	0.0	0.0	0.0	0.0	0.0
	477+41.00		481+20.00	379.0	3.0	126.3	1.5	20.5
	481+20.00		482+06.78	BK 86.8	3.0	28.9	1.5	4.7
	482+17.54	AH	492+13.82	BK 996.3	3.0	332.1	1.5	54.0
	103+00.00	AH	116+58.50	1358.5	3.0	452.8	1.5	73.6
	116+58.50		116+88.50	30.0	3.0	10.0	1.5	1.6
N. RAMP	1000+19.00		1007+19.50	700.5	3.0	233.5	1.5	37.9
S. RAMP	1999+85.00		2009+04.00	919.0	3.0	306.3	1.5	49.8
							TOTAL =	2825.3
							USE =	2826.0

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\AUSTINRL\dms86981\70256\deta11.s.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4		56	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70256	

48203100 HOT MIX ASPHALT SHOULDERS												
					LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	SHOULDER THICKNESS (INCHES)	48203100 HMA SHLD (TON)	40600100 BIT MATLS PR CT (GAL)	40600300 AGG PR CT (TON)	
	STATION	TO	STATION									
	LT.	759+39.00		765+84.00	BK	645.0	3.0	215.0	1.5	18.1	21.5	0.4
	RT.	759+39.00		764+94.00		555.0	3.0	185.0	1.5	15.5	18.5	0.4
		01+17.58		10+38.50		920.9	3.0	307.0	1.5	25.8	30.7	0.6
	LT.	00+00.00	AH	09+88.90		988.9	3.0	329.6	1.5	27.7	33.0	0.7
	RT.	10+38.50		18+37.66	BK	799.2	8.0	710.4	1.5	59.7	71.0	1.4
	RT.	18+78.66	AH	28+60.00		981.3	8.0	872.3	1.5	73.3	87.2	1.7
	LT.	09+88.60		18+37.66	BK	849.1	8.0	754.7	1.5	63.4	75.5	1.5
	RT.	31+63.00		34+50.00		287.0	8.0	255.1	1.5	21.4	25.5	0.5
	LT.	18+78.66		28+60.00		981.3	8.0	872.3	1.5	73.3	87.2	1.7
	RT.	34+50.00		39+10.00		460.0	8.0	408.9	1.5	34.3	40.9	0.8
	LT.	32+03.00		35+84.00		381.0	8.0	338.7	1.5	28.4	33.9	0.7
	LT.	36+86.48		37+15.85		29.4	3.0	9.8	1.5	0.8	1.0	0.0
	LT.	37+74.87		38+08.13		33.3	3.0	11.1	1.5	0.9	1.1	0.0
	RT.	39+10.00		46+30.91		720.9	3.0	240.3	1.5	20.2	24.0	0.5
	RT.	47+26.62		48+58.81		132.2	3.0	44.1	1.5	3.7	4.4	0.1
	LT.	38+79.01		43+68.35		489.3	3.0	163.1	1.5	13.7	16.3	0.3
	LT.	44+32.45		45+23.61		91.2	3.0	30.4	1.5	2.6	3.0	0.1
	LT.	45+87.55		83+32.79		3745.2	3.0	1248.4	1.5	104.9	124.8	2.5
	RT.	49+51.11		50+72.93		121.8	3.0	40.6	1.5	3.4	4.1	0.1
	RT.	51+67.67		138+54.66		8687.0	3.0	2895.7	1.5	243.2	289.6	5.8
	RT.	139+27.13		155+20.50		1593.4	3.0	531.1	1.5	44.6	53.1	1.1
	LT.	83+71.68		136+12.06		5240.4	3.0	1746.8	1.5	146.7	174.7	3.5
	LT.	137+14.41		155+20.50		1806.1	3.0	602.0	1.5	50.6	60.2	1.2
	LT.	155+20.50		156+42.50		122.0	6.0	81.3	1.5	6.8	8.1	0.2
	RT.	155+20.50		156+42.50		122.0	6.0	81.3	1.5	6.8	8.1	0.2
	RT.	157+15.00		159+94.16		279.2	6.0	186.1	1.5	15.6	18.6	0.4
	LT.	157+15.00		159+94.16		279.2	6.0	186.1	1.5	15.6	18.6	0.4
	LT.	160+33.99		202+69.20		4235.2	3.0	1411.7	1.5	118.6	141.2	2.8
	RT.	159+94.16		164+98.05		503.9	3.0	168.0	1.5	14.1	16.8	0.3
	RT.	165+56.63		217+76.92		5220.3	3.0	1740.1	1.5	146.2	174.0	3.5
	RT.	218+15.84		270+50.11		5234.3	3.0	1744.8	1.5	146.6	174.5	3.5
	LT.	203+23.51		242+56.32		3932.8	3.0	1310.9	1.5	110.1	131.1	2.6
	LT.	243+02.96		269+06.16		2603.2	3.0	867.7	1.5	72.9	86.8	1.7
	RT.	270+89.61		273+77.07		287.5	3.0	95.8	1.5	8.0	9.6	0.2
	RT.	274+82.12		276+40.68		158.6	3.0	52.9	1.5	4.4	5.3	0.1
	RT.	277+07.64		279+69.09		261.5	3.0	87.2	1.5	7.3	8.7	0.2
	RT.	280+80.20		281+47.20		67.0	3.0	22.3	1.5	1.9	2.2	0.0
	RT.	282+20.78		286+60.70		439.9	3.0	146.6	1.5	12.3	14.7	0.3
	LT.	269+52.91		292+15.00		2262.1	3.0	754.0	1.5	63.3	75.4	1.5
	RT.	287+42.00		292+15.00		473.0	3.0	157.7	1.5	13.2	15.8	0.3
	RT.	292+15.00		294+66.50		251.5	6.0	167.7	1.5	14.1	16.8	0.3
	LT.	292+15.00		294+41.00		226.0	6.0	150.7	1.5	12.7	15.1	0.3
	LT.	296+77.90		296+80.00		2.1	6.0	1.4	1.5	0.1	0.1	0.0
	RT.	296+75.00		298+79.90		204.9	6.0	136.6	1.5	11.5	13.7	0.3
	LT.	297+68.00		298+79.90		111.9	6.0	74.6	1.5	6.3	7.5	0.1
	RT.	298+79.90		315+83.74	BK	1703.8	3.0	567.9	1.5	47.7	56.8	1.1
	RT.	316+00.00	AH	317+60.00		160.0	3.0	53.3	1.5	4.5	5.3	0.1
	LT.	298+79.90		315+83.74	BK	1703.8	3.0	567.9	1.5	47.7	56.8	1.1
	LT.	316+00.00	AH	327+06.19		1106.2	3.0	368.7	1.5	31.0	36.9	0.7
	RT.	318+44.26		376+62.32		5818.1	3.0	1939.4	1.5	162.9	193.9	3.9
	LT.	329+53.16		348+06.58		1853.4	3.0	617.8	1.5	51.9	61.8	1.2
	LT.	349+48.94		458+86.70		10937.8	3.0	3645.9	1.5	306.3	364.6	7.3
	RT.	377+10.21		428+45.06		5134.9	3.0	1711.6	1.5	143.8	171.2	3.4
	RT.	429+24.98		458+86.70		2961.7	3.0	987.2	1.5	82.9	98.7	2.0
	RT.	458+86.70		461+52.00		265.3	6.0	176.9	1.5	14.9	17.7	0.4
	LT.	458+86.70		461+52.00		265.3	6.0	176.9	1.5	14.9	17.7	0.4
	LT.	461+71.40		464+12.00		240.6	6.0	160.4	1.5	13.5	16.0	0.3
	RT.	461+71.40		464+12.00		240.6	6.0	160.4	1.5	13.5	16.0	0.3
	RT.	464+12.00		471+64.00		752.0	3.0	250.7	1.5	21.1	25.1	0.5
	LT.	464+12.00		471+64.00		752.0	3.0	250.7	1.5	21.1	25.1	0.5
	LT.	480+95.00		482+06.78	BK	111.8	3.0	37.3	1.5	3.1	3.7	0.1
	RT.	480+95.00		482+06.78	BK	111.8	3.0	37.3	1.5	3.1	3.7	0.1
	LT.	482+17.54	AH	486+07.24		389.7	3.0	129.9	1.5	10.9	13.0	0.3
	LT.	488+31.27		492+13.82	BK	382.6	3.0	127.5	1.5	10.7	12.8	0.3
	LT.	103+00.00	AH	112+16.57		916.6	3.0	305.5	1.5	25.7	30.6	0.6
	RT.	482+17.54	AH	492+13.82	BK	996.3	3.0	332.1	1.5	27.9	33.2	0.7
	RT.	103+00.00	AH	108+78.00		578.0	3.0	192.7	1.5	16.2	19.3	0.4
	RT.	1999+58.00		2009+04.00		946.0	3.0	315.3	1.5	26.5	31.5	0.6
	LT.	2003+79.41		2009+04.00		524.6	3.0	174.9	1.5	14.7	17.5	0.3
	LT.	1000+59.47		1007+19.50		660.0	3.0	220.0	1.5	18.5	22.0	0.4
	RT.	1002+94.51		1007+19.50		425.0	3.0	141.7	1.5	11.9	14.2	0.3
								TOTALS	3031.4	3608.8	72.2	
								USE	3032.0	3609.0	72.0	

HMA SHOULDERS
 STA. 759+39.00 TO STA. 376+85.50
 USE "C" MIX = 2,306.9 TONS

STA. 376+85.50 TO STA. 116+88.50
 USE "D" MIX = 724.5 TONS

THE HMA SHOULDER IS TO BE PLACED
 WITH THE MAINLINE OPERATION.

X0301232 - SURVEY MARKER VAULT	
LOCATION	EACH
MAINLINE - US 36	
4.3' RT. STA. 0+00.00	1.0
6.2' RT. STA. 165+25.3	1.0
7.4' LT. STA. 217+89.7	1.0
3.2' LT. STA. 242+77.8	1.0
3.2' RT. STA. 269+30	1.0
3.2' RT. STA. 323+04.6	1.0
TOTAL	6.0

Z0070100 - SURVEY MONUMENT COVER ASSEMBLY	
LOCATION	EACH
SB RAMP	
PC STA. 2000+00.00	1.0
PT STA. 2003+63.14	1.0
PC STA. 2007+36.70	1.0
PT STA. 2008+64.80	1.0
NB RAMP	
PC STA. 1001+18.82	1.0
PT STA. 1002+77.87	1.0
PC STA. 1005+87.67	1.0
PT STA. 1007+12.70	1.0
TOTAL	8.0

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
ca:\pwk\work\PIWIDOT\AUSTINRL\dms86981\70256\detailed.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 1/23/2009		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4		56	16
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 70256				

PAVEMENT MARKING SCHEDULE												
LOCATION	78001110 - PAINT PAVEMENT MARKING, 4"			78000200 - THERMO. PAVEMENT MARKING, 4"	78000600 - THERMO. PAVEMENT MARKING, 12"	78000650 - THERMO. PAVEMENT MARKING, 24"	78000100 - THERMO. PAV'T MRKG LTRS & SYMBS.	78100100 - RAISED REFLECTIVE PAVEMENT MARKERS			78300200 - RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
	EOP	CENTER	DASH	SOLID	SOLID	SOLID	TURN ARROWS	ONE-WAY AMBER	ONE-WAY CRYSTAL	TWO-WAY AMBER		
	FEET	FEET	FEET	FEET	FEET	FEET	SQ FT	EACH	EACH	EACH	EACH	
STA. 759+39 - 761+84	490.0			490.0						6.0	6.0	
EQ. STA. 765+84BK = 0+00 AH												
STA. 8+96 - 10+38	284.0	284.0								3.0	3.0	
STA. 10+38 - 14+50	824.0	412.0	103.0							10.0	10.0	
STA. 14+50 - 18+37.66 AH	775.3		96.9							226.0	226.0	
18+78.66 AH - 194+70	35182.7		4397.8									
STA. 194+70 - 204+00	1860.0	930.0	232.5							12.0	12.0	
STA. 204+00 - 213+55	1910.0	955.0	238.8							12.0	12.0	
STA. 213+55 - 315+83.74	20457.5		2557.2							128.0	128.0	
EQ. STA. 315+83.74BK = 316+00 AH												
STA. 316+00 - 461+27	29054.0		3631.8							182.0	182.0	
STA. 461+27 - 471+65	2076.0	1038.0	259.5							13.0	13.0	
STA. 471+65 - 480+90	1850.0	1850.0								12.0	12.0	
STA. 480+90 - 482+06.78	233.6	116.8	29.2							2.0	2.0	
EQ. STA. 482+06.78 BK= 482+17.54 AH												
STA. 482+17.54 - 492+13.60	1992.1	996.1	249.0							13.0	13.0	
EQ. STA. 492+13.60 BK = 103+00 AH												
STA. 103+00 - 116+88.5	2777.0	2777.0								18.0	18.0	
MEDIANS												
STA. 761+84 - 765+60				1517.2	217.5			20.0			20.0	
STA. 3+16 - 8+96				2321.0	325.7			30.0			30.0	
NORTH RAMP												
STA. 111+87 - 1007+19.5	798.5											
STA. 1001+11.3 - 1006+28.74		1034.9										
STA. 1002+94 - 1007+19.5	430.9											
36 MEDIAN				324.4	96.3							
45 MEDIAN				303.7	55.5							
STOP BAR							18.0					
SOUTH RAMP												
RT STA. 107+50 - 2009+04	1184.2											
STA. 2003+79.59 - 2008+01.0		842.8										
LT STA. 2003+87 - 2009+04	509.9											
36 MEDIAN				769.0	330.8							
45 MEDIAN				249.5	45.3							
STOP BAR							16.0					
TURN LANES												
STA. 0+44.5 - 3+16				814.5			46.8	8.0	16.0		24.0	
STA. 329+00 - 330+76				176.0			31.2	5.0			5.0	
STA. 349+49 - 352+00				251.0			31.2	6.0			6.0	
STA. 488+31 - 489+34				103.0			31.2	3.0			3.0	
STA. 113+92 - 114+76				84.0			31.2	3.0			3.0	
	102669.7	11236.5	11795.6					50.0	25.0	653.0		
TOTAL		125701.8		7403.3	1071.1	34.0	171.6		728.0		728.0	
USE		125702.0		7404.0	1072.0	34.0	172.0		728.0		728.0	

70300100 - SHORT-TERM PAVEMENT MARKING		
LOCATION	CENTER	SHOULDER
	FOOT	FOOT
SKIP-DASH (YELLOW)		
STA. 759+39 - 761+84	73.5	
STA. 761+84 - 765+60 (WHITE)		182.1
EQ. STA. 765+84 (BK) = 0+00 (AH)		
STA. 3+16 - 8+96 (WHITE)		278.5
STA. 8+96 - 18+37.66 (BK)	282.5	
STA. 18+78.66 (AH) - 315+83.74 (BK)	8911.5	
EQ. STA. 315+83.74 (BK) = 316+00 (AH)		
STA. 316+00 (AH) - 482+06.78 (BK)	4982.0	
EQ. STA. 482+06.78 (BK) = 482+17.54 (AH)		
STA. 482+17.54 (AH) - 492+13.60	298.8	
EQ. STA. 492+13.60 (BK) = 103+00 (AH)		
STA. 103+00 (AH) - 116+88.5	416.6	
SUB-TOTAL	14964.9	460.6
TOTAL		15425.5
USE		15426.0

70301000 - WORK ZONE PAVEMENT MARKING REMOVAL		
LOCATION	CENTER	SHOULDER
	SQ FT	SQ FT
SKIP-DASH (YELLOW)		
STA. 759+39 - 761+84	8.2	
STA. 761+84 - 765+60 (WHITE)		20.2
EQ. STA. 765+84 (BK) = 0+00 (AH)		
STA. 3+16 - 8+96 (WHITE)		30.9
STA. 8+96 - 18+37.66 (BK)	31.4	
STA. 18+78.66 - 315+83.74 (BK)	989.2	
EQ. STA. 315+83.74 (BK) = 316+00 (AH)		
STA. 316+00 (AH) - 482+06.78 (BK)	553.0	
EQ. STA. 482+06.78 (BK) = 482+17.54 (AH)		
STA. 482+17.54 (AH) - 492+13.60	33.2	
EQ. STA. 492+13.60 (BK) = 103+00 (AH)		
STA. 103+00 (AH) - 116+88.5	46.2	
SUB-TOTAL	1661.1	51.1
TOTAL		1712.2
USE		1713.0

PAVEMENT PATCHING, CLASS D

STATION	DIRECTION	LANE	LENGTH	WIDTH	DEPTH	PATCH AREA			
						TYPE I	TYPE II	TYPE III	TYPE IV
			(ft)	(ft)	(in)	(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)
3+82	EB	DRIVING	12	15	16	0.0	0.0	20.0	0.0
4+04	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
6+77	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
8+10	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
13+56	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
18+90	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
18+90	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
19+30	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
19+30	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
44+12	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
44+12	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
48+54	EB	DRIVING	4	12	16	0.0	5.3	0.0	0.0
48+54	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
51+58	WB	DRIVING	10	15	16	0.0	0.0	16.7	0.0
55+24	WB	DRIVING	8	15	16	0.0	13.3	0.0	0.0
68+15	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
68+15	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
88+80	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
88+80	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
89+86	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
91+69	EB	DRIVING	10	15	16	0.0	0.0	16.7	0.0
101+89	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
101+89	EB	DRIVING	8	15	16	0.0	13.3	0.0	0.0
104+70	EB	DRIVING	8	15	16	0.0	13.3	0.0	0.0
108+58	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
109+53	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
117+01	EB	DRIVING	10	15	16	0.0	0.0	16.7	0.0
117+01	WB	DRIVING	10	15	16	0.0	0.0	16.7	0.0
117+84	EB	DRIVING	10	15	16	0.0	0.0	16.7	0.0
122+02	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
122+70	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
122+70	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
124+07	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
125+87	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
125+87	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
131+31	EB	DRIVING	4	6	16	2.7	0.0	0.0	0.0
134+28	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
134+28	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
139+57	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
142+05	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
142+05	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
150+20	EB	DRIVING	12	6	16	0.0	8.0	0.0	0.0
152+10	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
152+10	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
155+45	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
155+45	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
165+08	EB	DRIVING	8	15	16	0.0	13.3	0.0	0.0
181+09	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0

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FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\PIWIDOT\AUSTINRL\dms86981\70256details.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	323	(143,R,144)RS-4	56	18
		CHECKED -	REVISED -						CONTRACT NO. 70256					
		DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

PAVEMENT PATCHING, CLASS D

STATION	DIRECTION	LANE	LENGTH	WIDTH	DEPTH	PATCH AREA			
						TYPE I	TYPE II	TYPE III	TYPE IV
			(ft)	(ft)	(in)	(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)
185+91	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
187+96	EB	DRIVING	20	6	16	0.0	13.3	0.0	0.0
192+77	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
197+53	EB	DRIVING	10	15	16	0.0	0.0	16.7	0.0
197+53	WB	DRIVING	10	15	16	0.0	0.0	16.7	0.0
202+63	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
202+63	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
212+23	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
212+23	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
215+70	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
220+96	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
220+96	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
223+69	EB	DRIVING	8	15	16	0.0	13.3	0.0	0.0
223+69	WB	DRIVING	8	15	16	0.0	13.3	0.0	0.0
227+29	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
227+29	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
236+04	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
236+24	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
240+94	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
240+94	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
244+49	EB	DRIVING	8	15	16	0.0	13.3	0.0	0.0
244+49	WB	DRIVING	8	15	16	0.0	13.3	0.0	0.0
250+99	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
250+99	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
258+76	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
259+21	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
263+24	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
263+24	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
271+56	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
288+24	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
303+45	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
303+45	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
305+78	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
305+78	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
310+70	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
317+92	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
317+92	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
319+54	WB	DRIVING	8	15	16	0.0	13.3	0.0	0.0
319+99	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
325+76	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
325+76	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
327+03	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
328+63	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
329+05	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
329+71	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
329+71	WB	DRIVING	4	26	16	0.0	11.6	0.0	0.0
334+03	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
334+03	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
337+90	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
338+45	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
338+45	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
348+04	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
348+04	WB	DRIVING	8	15	16	0.0	13.3	0.0	0.0
350+83	TURN LANE	DRIVING	4	14	16	0.0	6.2	0.0	0.0
351+91	TURN LANE	DRIVING	4	14	16	0.0	6.2	0.0	0.0
352+85	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
352+90	TURN LANE	DRIVING	4	6	16	2.7	0.0	0.0	0.0
353+31	EB & T.L.	DRIVING	4	18	16	0.0	8.0	0.0	0.0

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FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 70256				
PLOT DATE = 1/23/2009		DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

PAVEMENT PATCHING, CLASS D

STATION	DIRECTION	LANE	LENGTH	WIDTH	DEPTH	PATCH AREA			
						TYPE I	TYPE II	TYPE III	TYPE IV
			(ft)	(ft)	(in)	(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)
364+03	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
364+03	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
371+24	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
372+95	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
387+36	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
387+36	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
394+87	WB	DRIVING	10	15	16	0.0	0.0	16.7	0.0
397+44	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
400+64	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
400+64	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
405+60	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
410+65	EB	DRIVING	20	15	16	0.0	0.0	0.0	33.3
410+65	WB	DRIVING	20	15	16	0.0	0.0	0.0	33.3
418+51	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
418+51	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
421+61	EB	DRIVING	4	6	16	2.7	0.0	0.0	0.0
430+86	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
456+63	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
458+71	WB	DRIVING	22	15	16	0.0	0.0	0.0	36.7
458+71	EB	DRIVING	10	15	16	0.0	0.0	16.7	0.0
463+72	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
463+76	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
473+84	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
473+84	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
483+77	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
487+36	WB	DRIVING	10	15	16	0.0	0.0	16.7	0.0
106+53	WB	DRIVING	12	15	16	0.0	0.0	20.0	0.0
106+53	EB	DRIVING	4	6	16	2.7	0.0	0.0	0.0
107+04	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
107+04	EB	DRIVING	8	6	16	0.0	5.3	0.0	0.0
108+00	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
108+00	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
111+02	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
111+02	WB	DRIVING	8	15	16	0.0	13.3	0.0	0.0
112+09	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
112+09	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
112+59	EB	DRIVING	10	15	16	0.0	0.0	16.7	0.0
112+59	WB	DRIVING	15	15	16	0.0	0.0	0.0	25.0
113+08	EB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
113+08	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
113+98	WB	DRIVING	4	15	16	0.0	6.7	0.0	0.0
113+98	TURN LANE	DRIVING	4	15	16	0.0	6.7	0.0	0.0
115+95	EB	DRIVING	8	15	16	0.0	13.3	0.0	0.0
			FINAL TOTALS			10.8 (sq. yd)	947.1 (sq. yd)	223.7 (sq. yd)	128.3 (sq. yd)

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	PLOT DATE = 1/23/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4	*	56	20
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70256	

* DOUGLAS & PIATT

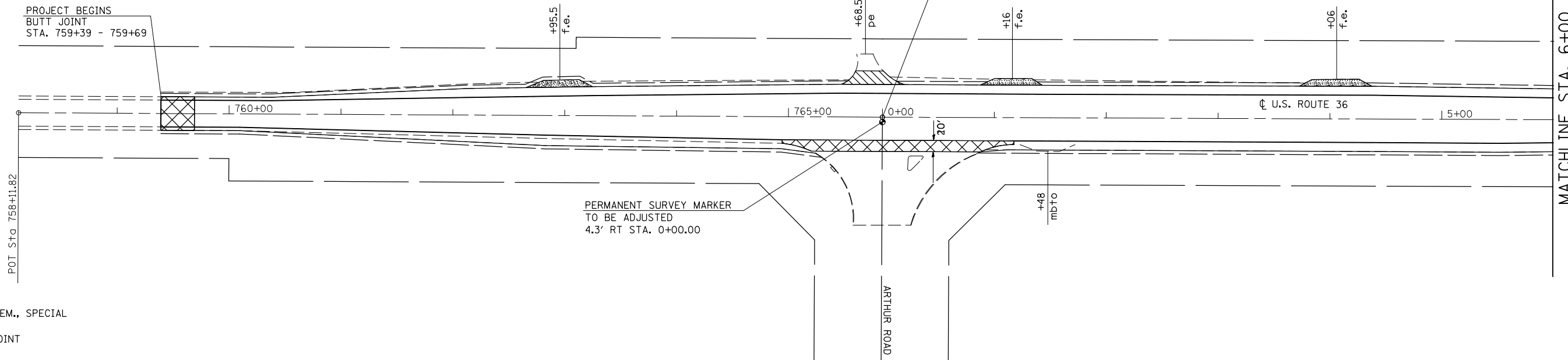


SEE DETAIL FOR HMA SURFACE REMOVAL- BUTT JOINT
SHEET 40 OF 56

STATION EQUATION
STA. 765+84.00 BK =
STA. 0+00.00 AH =
STA. 350+15.3 (ARTHUR RD.)

SEE PAVEMENT MARKING DETAIL
SHEET 48 OF 56

PROJECT BEGINS
BUTT JOINT
STA. 759+39 - 759+69



PERMANENT SURVEY MARKER
TO BE ADJUSTED
4.3' RT STA. 0+00.00

- PCC SURF. REM., SPECIAL
- HMA BUTT JOINT
- INCIDENTAL BIT SURF.
- HMA SURF. REM., SPECIAL

SEC. 1, T. 15 N., R. 6 E., 3RD P.M.
MOULTRIE COUNTY

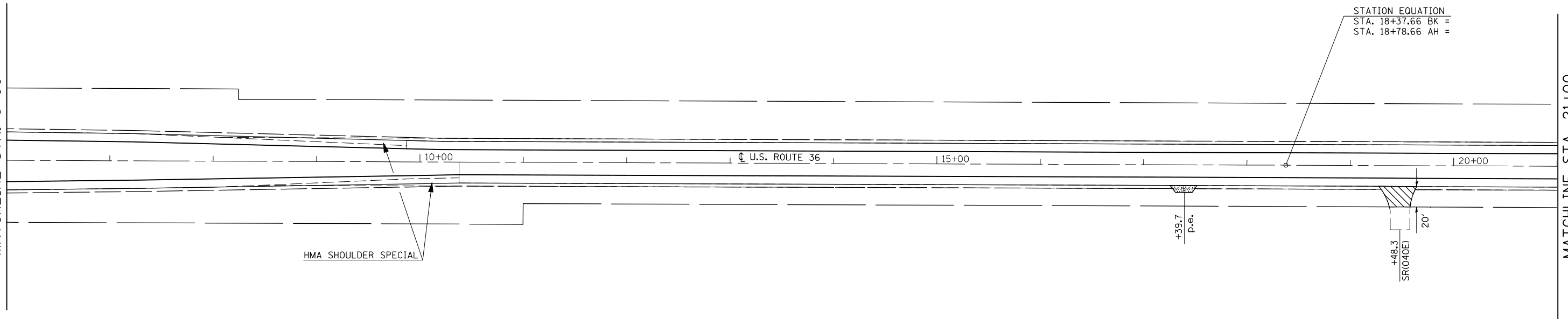
SEC. 6, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



STATION EQUATION
STA. 18+37.66 BK =
STA. 18+78.66 AH =

MATCHLINE STA. 6+00

MATCHLINE STA. 21+00



HMA SHOULDER SPECIAL

SEC. 6, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

• (143-R,144)RS-4 ** DOUGLAS & PIATT

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	PLOT DATE = 1/23/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 759+39 TO STA. 21+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	*	**	56	21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70256	

SEC. 36, T. 16 N., R. 6 E., 3RD P.M.
PIATT COUNTY

SEC. 31, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

SEE DETAIL FOR HMA SURFACE REMOVAL- BUTT JOINT
SHEET 40 OF 56

SEE DETAIL FOR HMA SURFACE REMOVAL- BUTT JOINT
SHEET 40 OF 56

BUTT JOINT
STA. 28+52 - STA. 28+82





OMISSION
S.N. 021-0051
STA. 28+82 - STA. 30+65

BUTT JOINT
67' - 37' LT of EOP

BUTT JOINT
STA. 30+65 - STA. 30+95

MATCHLINE STA. 21+00

MATCHLINE STA. 36+00

-  PCC SURF. REM., SPECIAL
-  HMA BUTT JOINT
-  INCIDENTAL BIT SURF.
-  HMA SURF. REM., SPECIAL

SEC. 6, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

SEE DETAIL FOR HMA SURFACE REMOVAL- BUTT JOINT
SHEET 40 OF 56

MATCHLINE STA. 36+00

MATCHLINE STA. 51+00

BUTT JOINT
67' - 37' LT of EOP

+45
ce
pcc

+42
ce
pcc

+72
ce
POT Sta 40+00.31

+56.5
ce

+10.5
ce

+76
pe

+01
pcc

+94
fe

+56
pcc

+17
pe

+42
pe/mbto

+21
ce

+13
ce

+30
ce

+19
ce

+07
ce

+80
pcc

+07
pcc

HMA SHOULDER SPECIAL

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 21+00 TO STA. 51+00

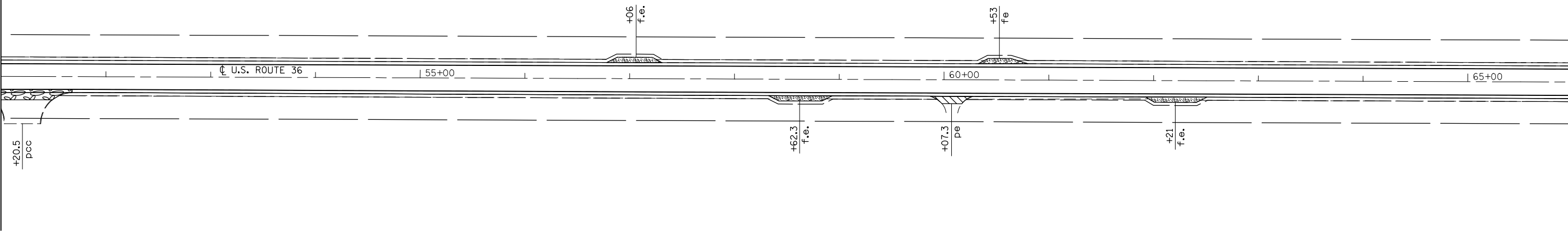
• (143-R,144)RS-4		** DOUGLAS & PIATT	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
323	*	**	56
			SHEET NO. 22
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
		CONTRACT NO. 70256	

SEC. 31, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 51+00

MATCHLINE STA. 66+00

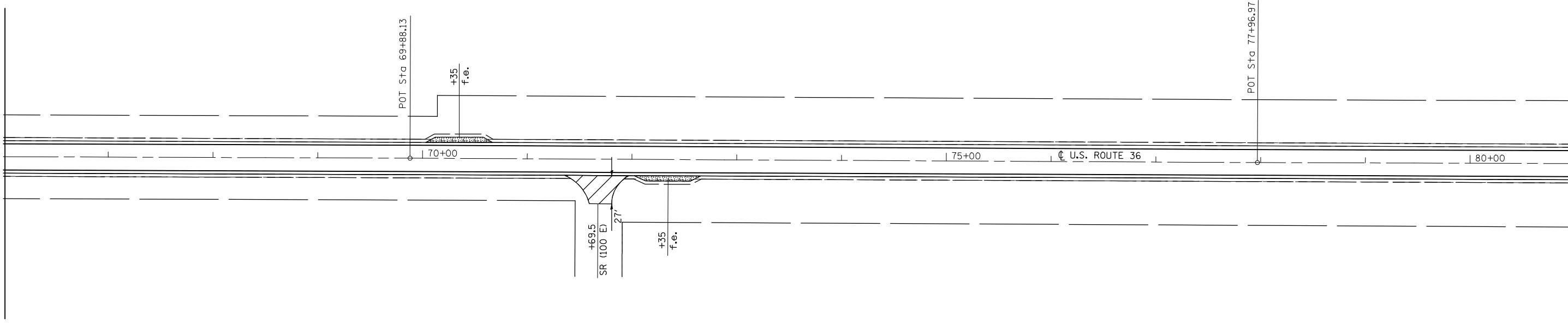


SEC. 5, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 66+00

MATCHLINE STA. 81+00



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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 51+00 TO STA. 81+00

• (143-R,144)RS-4		** DOUGLAS & PIATT	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
323	*	**	56
CONTRACT NO. 70256			SHEET NO. 23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

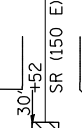


SEE DETAIL FOR MILLING TRANSITION FROM 3 / 4" TO 1 1 / 2"
SHEET 40 OF 56

MATCHLINE STA. 81+00

MATCHLINE STA. 96+00

MILL & INLAY
S.N. 021-0016
STA. 81+95 - 82+19



45' TRANSITION
3/4" - 1 1/2"
STA. 82+49 - 82+94

45' TRANSITION
3/4" - 1 1/2"
STA. 81+20 - 81+65

- PCC SURF. REM., SPECIAL
- MILL AND INLAY 1 1/2"
- HMA BUTT JOINT
- INCIDENTAL BIT SURF.
- HMA SURF. REM., SPECIAL

85+00 U.S. ROUTE 36 90+00 95+00

+30.5 pe
+28.4 pe

SEC. 32, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 96+00

MATCHLINE STA. 111+00

POT Sta 99+02.77

+60 pe

100+00 U.S. ROUTE 36 105+00 110+00

+21.4 f.e.

SEC. 5, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

• (143-R,144)RS-4 ** DOUGLAS & PIATT

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 1/23/2009		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 81+00 TO STA. 111+00

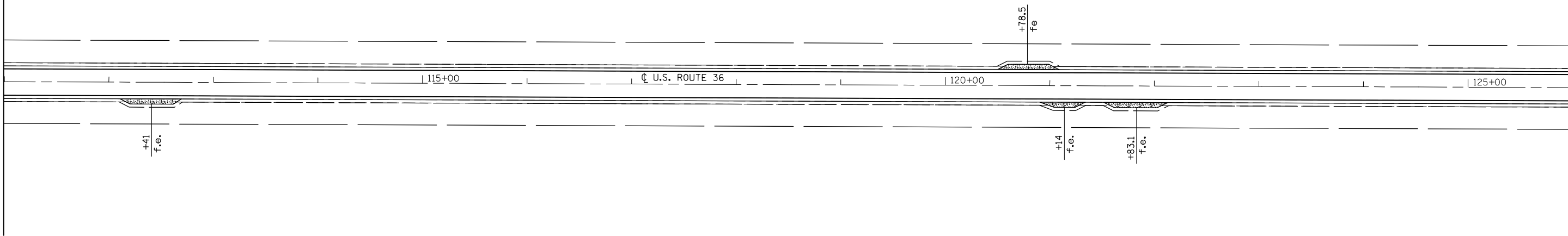
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	*	**	56	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70256	

SEC. 32, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 111+00

MATCHLINE STA. 126+00



- PCC SURF. REM., SPECIAL
- HMA BUTT JOINT
- INCIDENTAL BIT SURF.
- HMA SURF. REM., SPECIAL

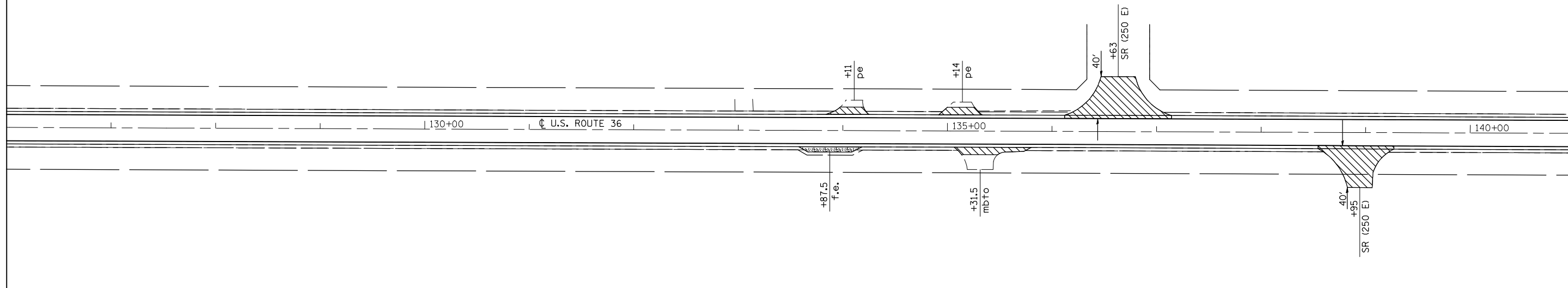
SEC. 4, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

SEC. 32, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 126+00

MATCHLINE STA. 141+00



SEC. 4, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 111+00 TO STA. 141+00

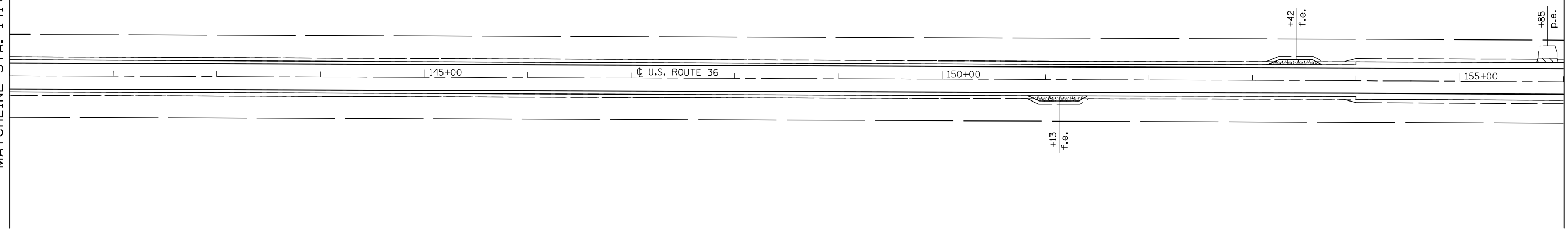
* (143-R,144)RS-4		** DOUGLAS & PIATT	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
323	*	**	56
		SHEET NO. 25	
		CONTRACT NO. 70256	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

SEC. 33, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 141+00

MATCHLINE STA. 156+00



- PCC SURF. REM., SPECIAL
- HMA BUTT JOINT
- INCIDENTAL BIT SURF.
- HMA SURF. REM., SPECIAL

SEC. 4, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

SEC. 33, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

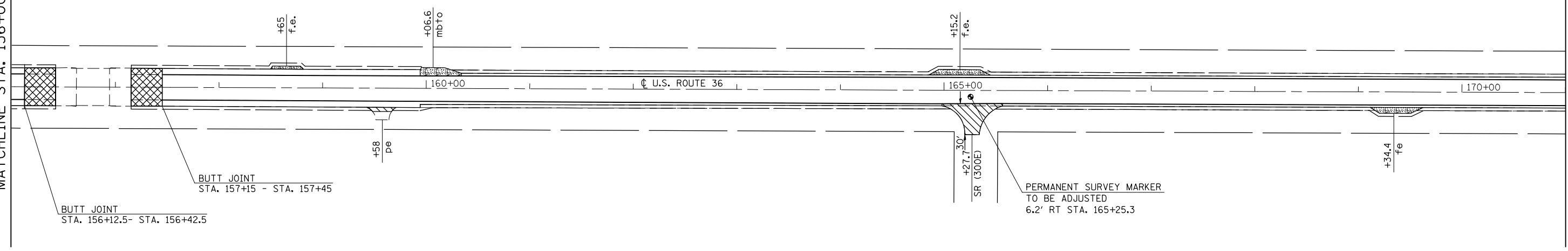


SEE DETAIL FOR HMA SURFACE REMOVAL- BUTT JOINT
SHEET 40 OF 56

OMISSION
S.N. 021-0017
STA. 156+42.5 - 157+15

MATCHLINE STA. 156+00

MATCHLINE STA. 171+00



FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 141+00 TO STA. 171+00

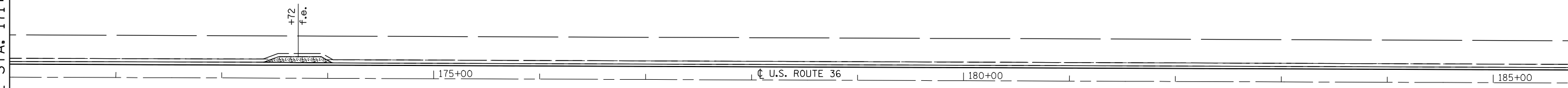
* (143-R,144)RS-4		** DOUGLAS & PIATT	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
323	*	**	56
		SHEET NO. 26	
		CONTRACT NO. 70256	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

SEC. 33, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 171+00

MATCHLINE STA. 186+00



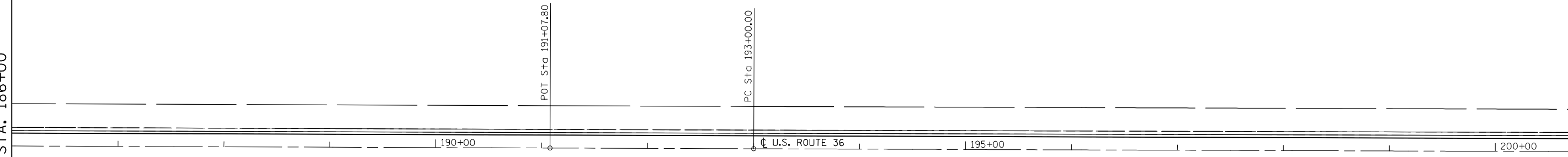
- PCC SURF. REM., SPECIAL
- HMA BUTT JOINT
- INCIDENTAL BIT SURF.
- HMA SURF. REM., SPECIAL

SEC. 3, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 186+00

MATCHLINE STA. 201+00



SEC. 3, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. 36 PLAN SHEETS			
SCALE: 50	SHEET NO.	OF SHEETS	STA. 171+00 TO STA. 201+00

* (143-R,144)RS-4		** DOUGLAS & PIATT	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
323	*	**	56
		CONTRACT NO.	70256
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

EXIST. CURVE 31
 PI STA. = 203+00.00
 $\Delta = 0^\circ 01' 54''$ (LT)
 $D = 0^\circ 00' 06''$
 $R = 3,611,546.88'$
 $T = 1,000.00'$
 $L = 2,000.00'$
 $E = 0.14'$
 P.C. STA. = 193+00.00
 P.T. STA. = 213+00.00

SEC. 34, T. 16 N., R. 7 E., 3RD P.M.
 DOUGLAS COUNTY

MATCHLINE STA. 201+00

MATCHLINE STA. 216+00



- PCC SURF. REM., SPECIAL
- HMA BUTT JOINT
- INCIDENTAL BIT SURF.
- HMA SURF. REM., SPECIAL

SEC. 3, T. 15 N., R. 7 E., 3RD P.M.
 DOUGLAS COUNTY

SEC. 34, T. 16 N., R. 7 E., 3RD P.M.
 DOUGLAS COUNTY

MATCHLINE STA. 216+00

MATCHLINE STA. 231+00



PERMANENT SURVEY MARKER
 TO BE ADJUSTED
 7.4' LT STA. 217+89.7

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2009	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

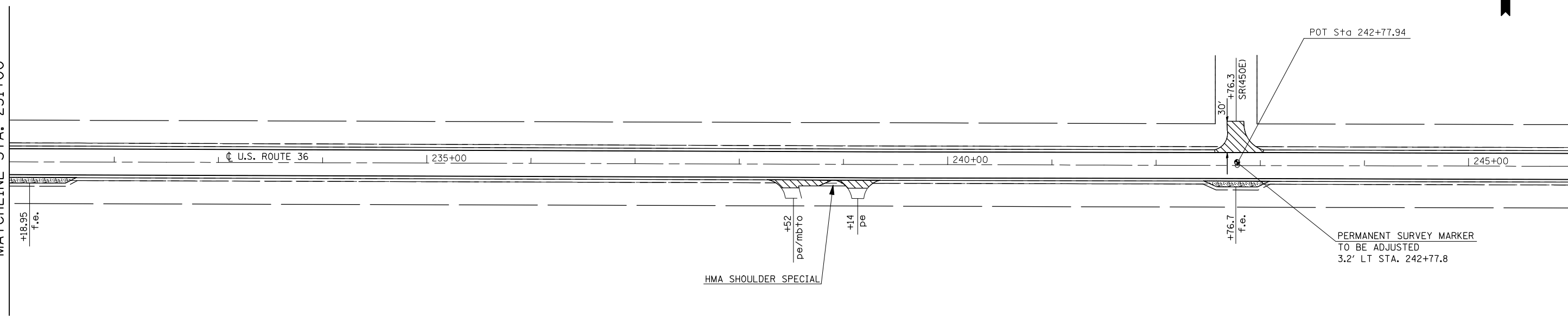
U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 201+00 TO STA. 231+00

* (143-R,144)RS-4		** DOUGLAS & PIATT	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
323	*	**	56
CONTRACT NO. 70256			SHEET NO. 28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

MATCHLINE STA. 231+00

MATCHLINE STA. 246+00



- PCC SURF. REM., SPECIAL
- HMA BUTT JOINT
- INCIDENTAL BIT SURF.
- HMA SURF. REM., SPECIAL

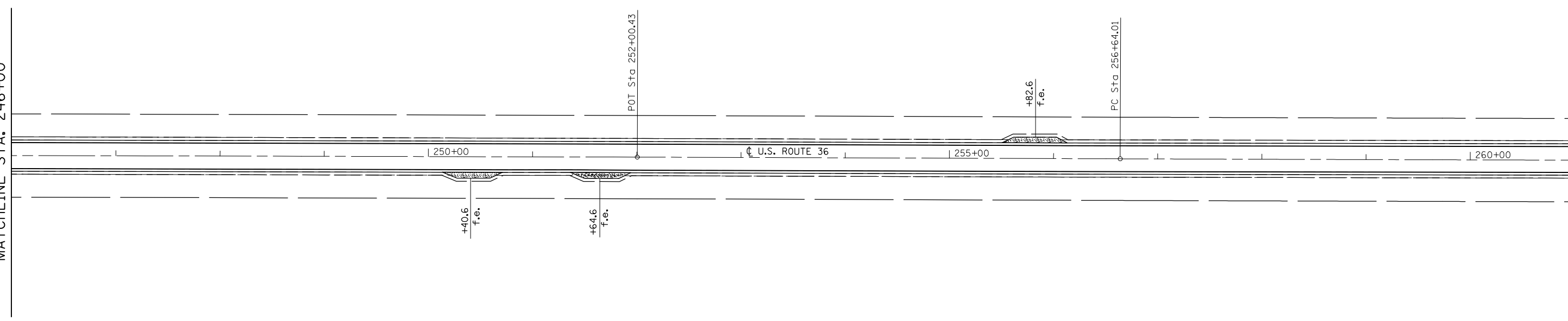
SEC. 2, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

SEC. 35, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 246+00

MATCHLINE STA. 261+00



SEC. 2, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

* (143-R,144)RS-4 ** DOUGLAS & PIATT

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
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	PLOT DATE = 1/23/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 231+00 TO STA. 261+00

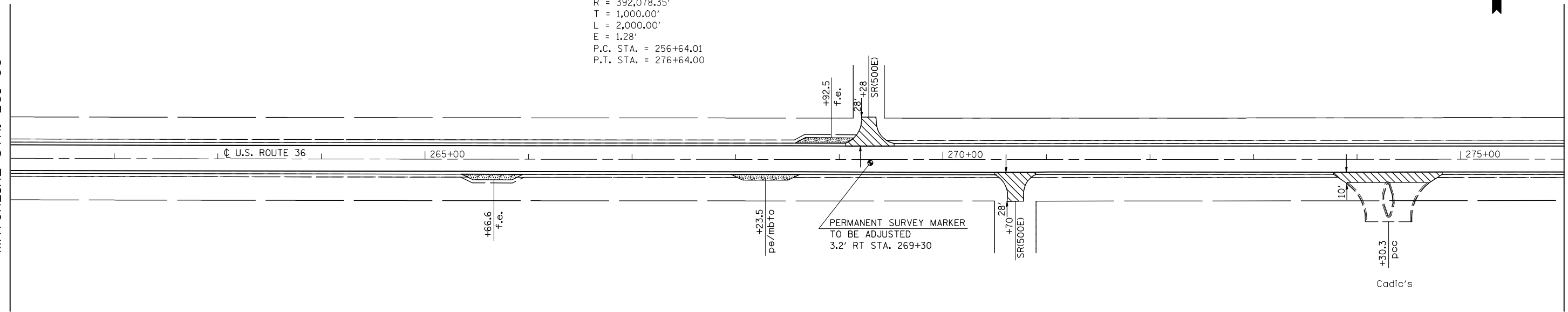
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	*	**	56	29
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70256	

SEC. 35, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



EXIST. CURVE 32
PI STA. = 266+64.01
 $\Delta = 0^\circ 17' 32''$ (LT)
D = $0^\circ 00' 53''$
R = 392,078.35'
T = 1,000.00'
L = 2,000.00'
E = 1.28'
P.C. STA. = 256+64.01
P.T. STA. = 276+64.00

MATCHLINE STA. 261+00



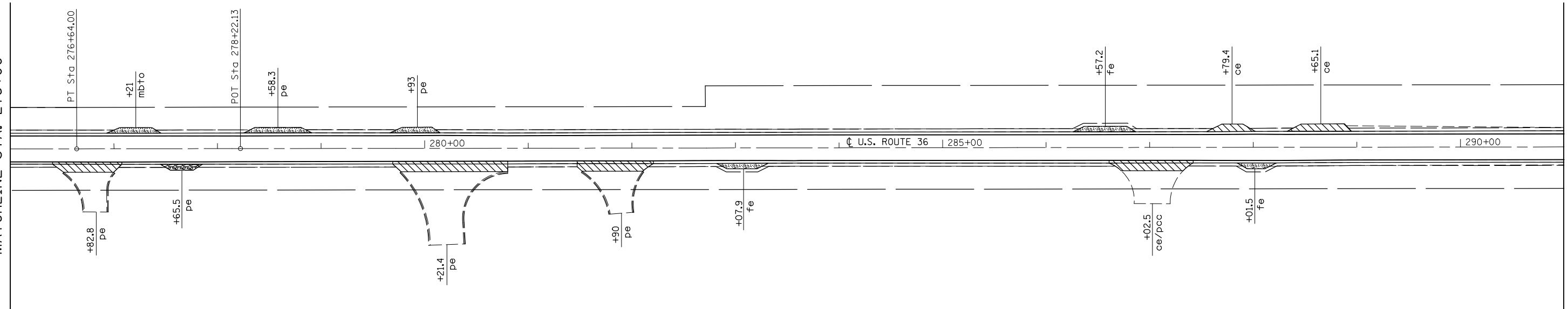
MATCHLINE STA. 276+00

- PCC SURF. REM., SPECIAL
- HMA BUTT JOINT
- INCIDENTAL BIT SURF.
- HMA SURF. REM., SPECIAL

SEC. 35, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 276+00



MATCHLINE STA. 291+00

SEC. 1, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

• (143-R,144)RS-4 ** DOUGLAS & PIATT

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		DRAWN -	REVISED -
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	PLOT DATE = 1/23/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 261+00 TO STA. 291+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	*	**	56	30
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70256	

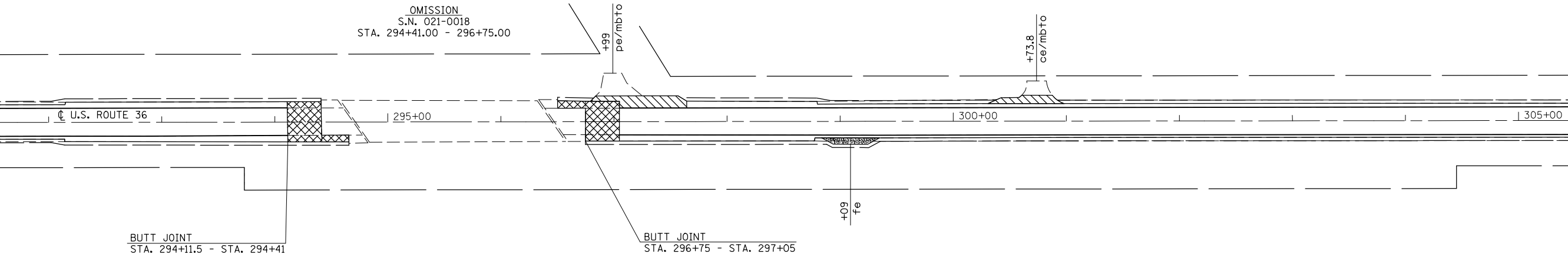
SEC. 36, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY







SEE DETAIL FOR HMA SURFACE REMOVAL- BUTT JOINT
SHEET 40 OF 56

MATCHLINE STA. 291+00

MATCHLINE STA. 306+00



-  PCC SURF. REM., SPECIAL
-  HMA BUTT JOINT
-  INCIDENTAL BIT SURF.
-  HMA SURF. REM., SPECIAL

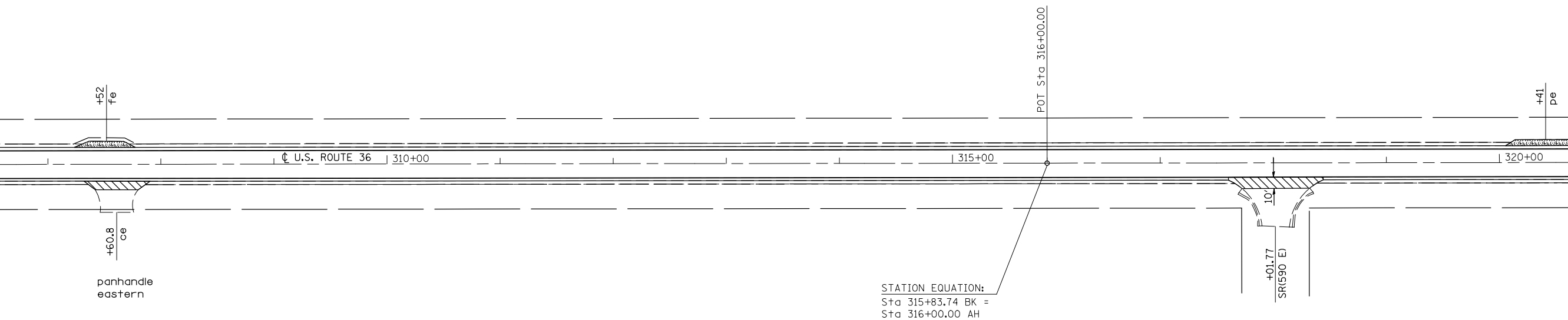
SEC. 1, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

SEC. 36, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 306+00

MATCHLINE STA. 321+00



STATION EQUATION:
Sta 315+83.74 BK =
Sta 316+00.00 AH

SEC. 1, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

• (143-R,144)RS-4 •• DOUGLAS & PIATT

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 291+00 TO STA. 321+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	*	**	56	31
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70256	

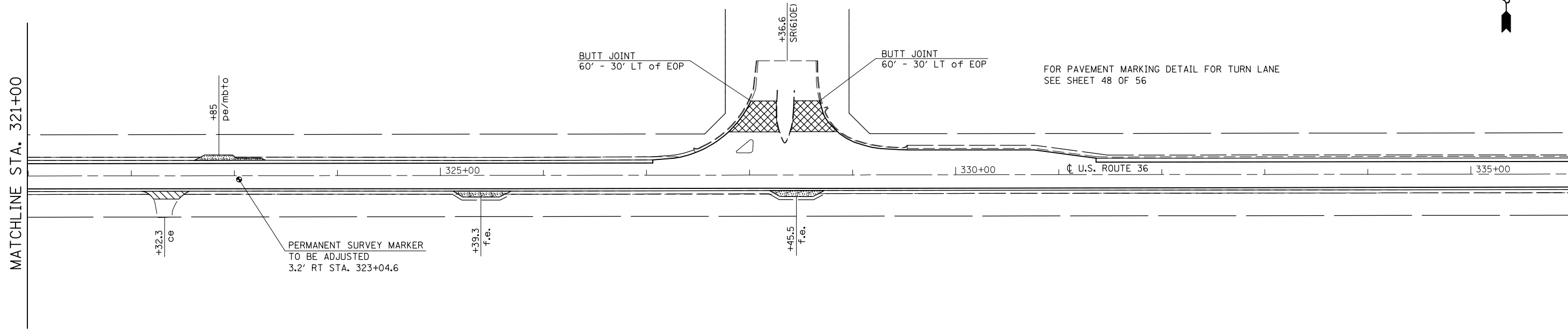
SEC. 36, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

SEE DETAIL FOR HMA SURFACE REMOVAL- BUTT JOINT
SHEET 40 OF 56



MATCHLINE STA. 321+00

MATCHLINE STA. 336+00



FOR PAVEMENT MARKING DETAIL FOR TURN LANE
SEE SHEET 48 OF 56

- PCC SURF. REM., SPECIAL
- HMA BUTT JOINT
- INCIDENTAL BIT SURF.
- HMA SURF. REM., SPECIAL

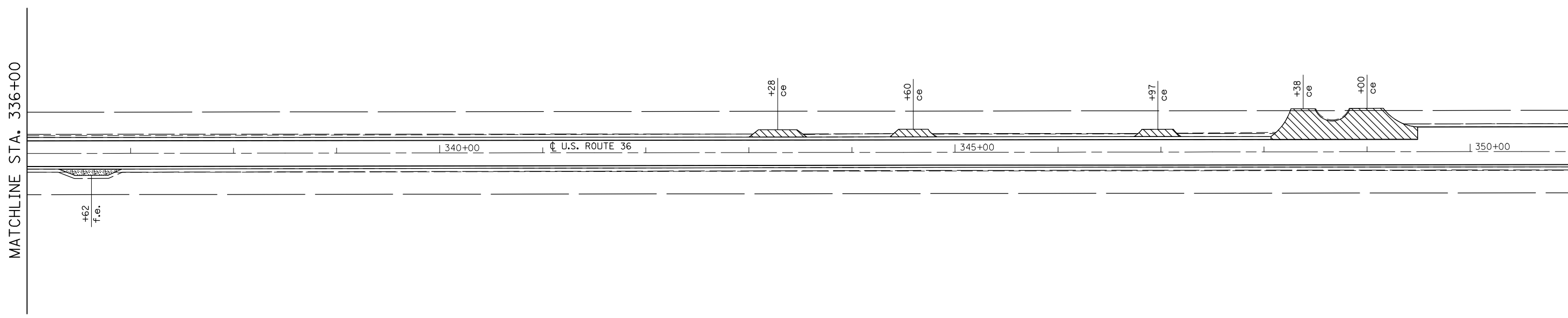
SEC. 6, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

SEC. 31, T. 16 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 336+00

MATCHLINE STA. 351+00



SEC. 6, T. 15 N., R. 7 E., 3RD P.M.
DOUGLAS COUNTY

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2009	DATE -	REVISED -

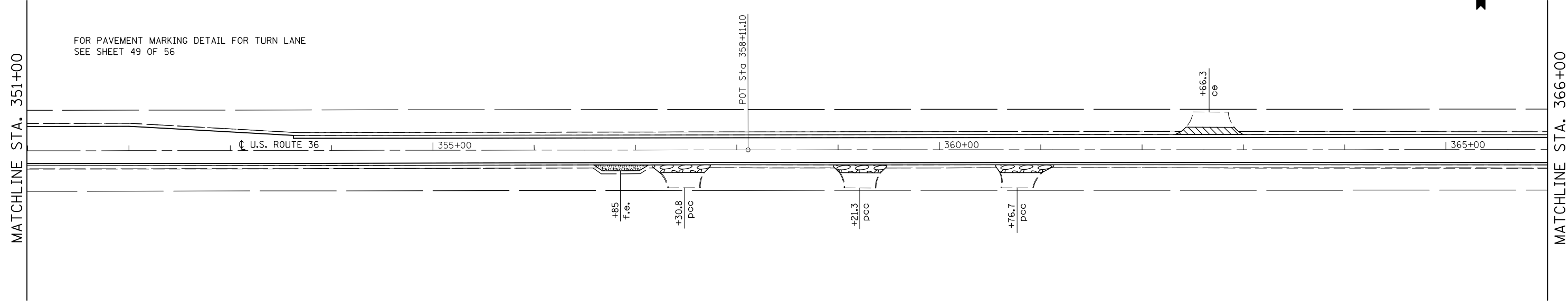
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**





U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 321+00 TO STA. 351+00

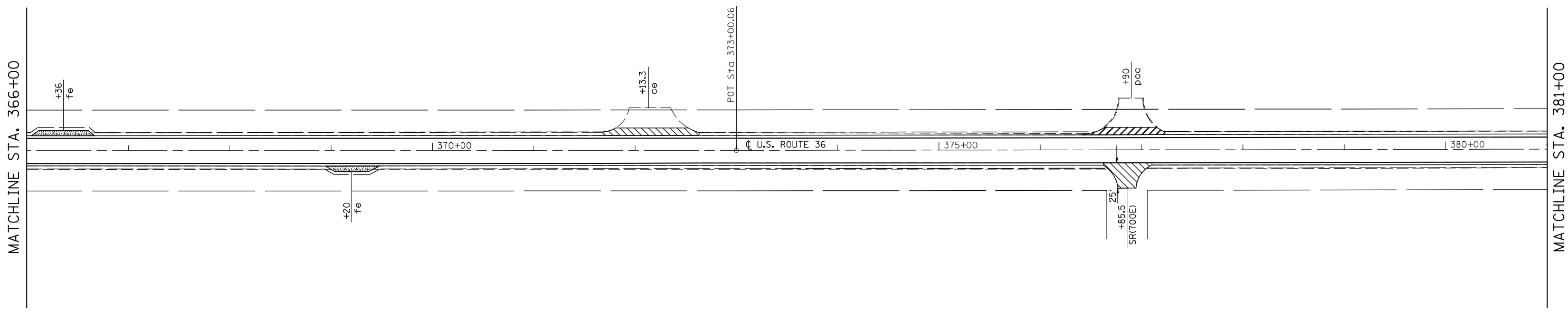
* (143-R,144)RS-4		** DOUGLAS & PIATT	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
323	*	**	56
CONTRACT NO. 70256			SHEET NO. 32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

SEC. 31, T. 16 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY



-  PCC SURF. REM., SPECIAL
-  HMA BUTT JOINT
-  INCIDENTAL BIT SURF.
-  HMA SURF. REM., SPECIAL

SEC. 31, T. 16 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY



SEC. 5, T. 15 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY

* (143-R,144)RS-4 ** DOUGLAS & PIATT

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
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	PLOT DATE = 1/23/2009	DATE -	REVISED -

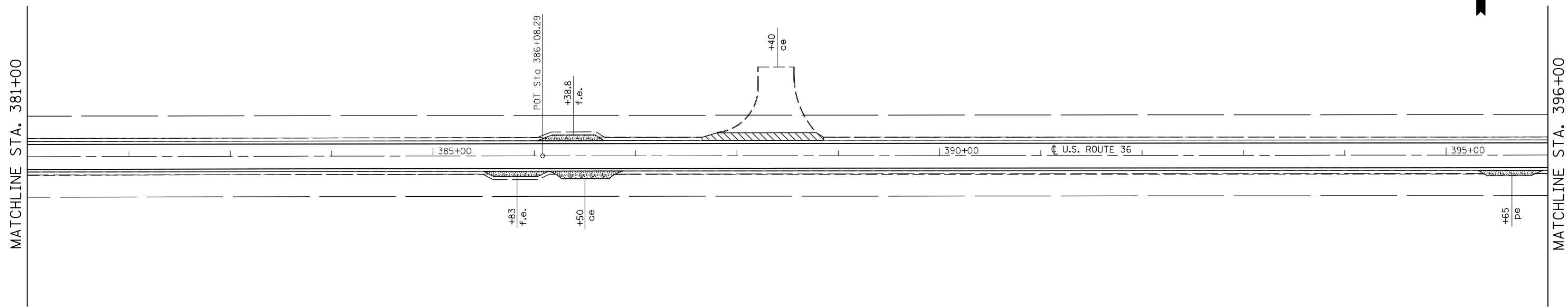
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**





U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 351+00 TO STA. 381+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	*	**	56	33
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70256	

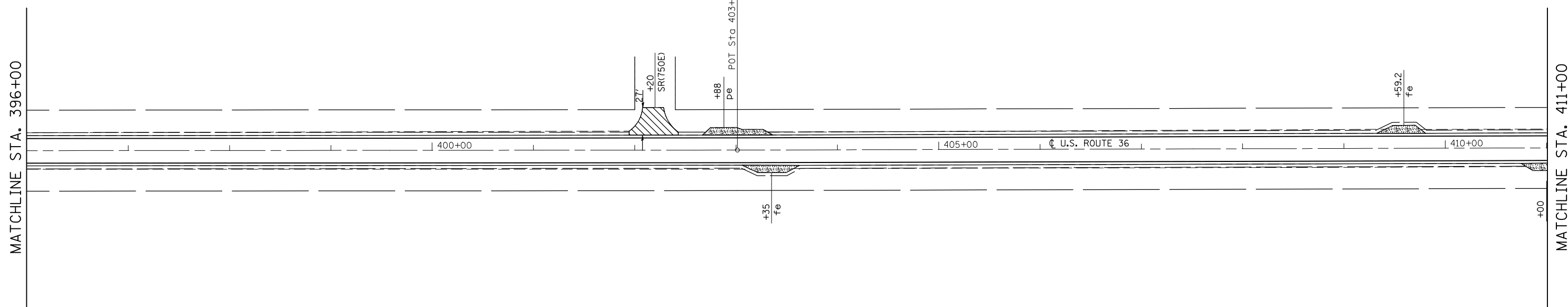
SEC. 31, T. 16 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY



-  PCC SURF. REM., SPECIAL
-  HMA BUTT JOINT
-  INCIDENTAL BIT SURF.
-  HMA SURF. REM., SPECIAL

SEC. 5, T. 15 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY

SEC. 31, T. 16 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY



SEC. 5, T. 15 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 381+00 TO STA. 411+00

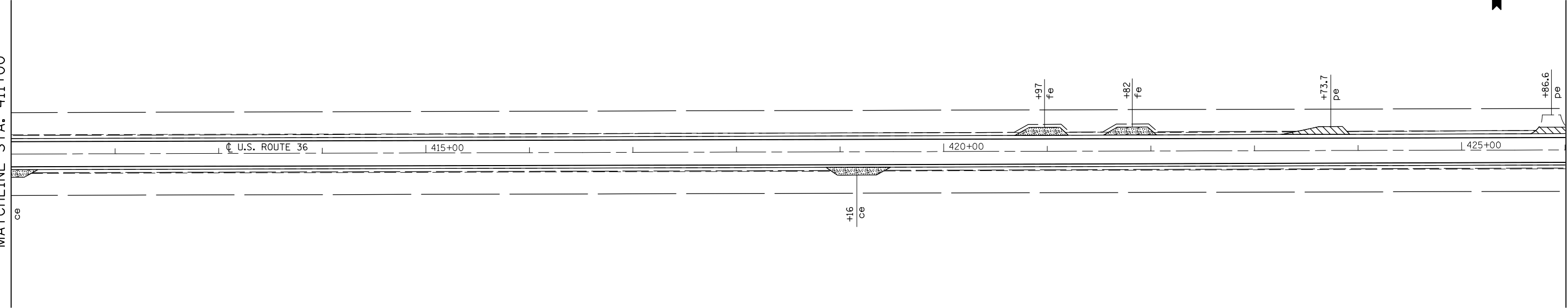
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	*	**	56	34
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70256	

(143-R,144)RS-4 ** DOUGLAS & PIATT

SEC. 32, T. 16 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 411+00



MATCHLINE STA. 426+00

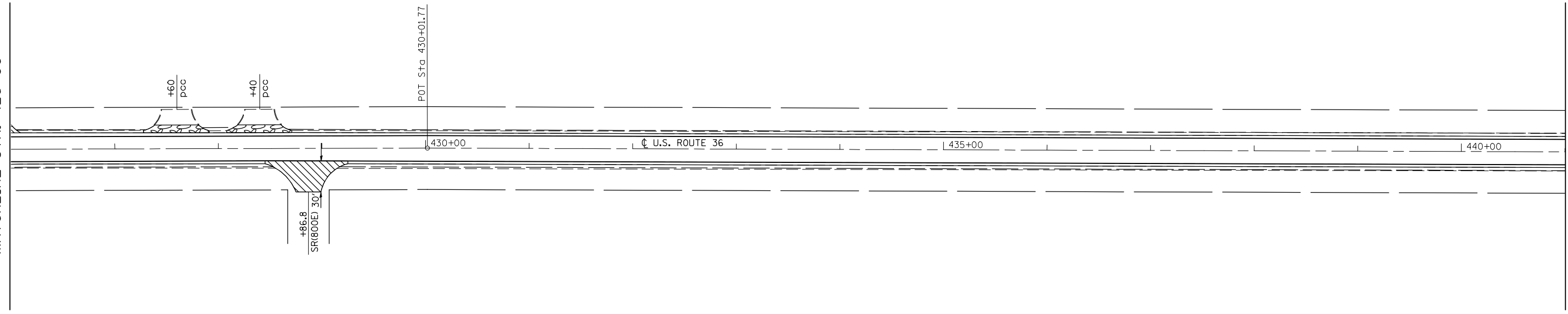
- PCC SURF. REM., SPECIAL
- HMA BUTT JOINT
- INCIDENTAL BIT SURF.
- HMA SURF. REM., SPECIAL

SEC. 5, T. 15 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY

SEC. 32, T. 16 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY



MATCHLINE STA. 426+00



MATCHLINE STA. 441+00

SEC. 4, T. 15 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY

• (143-R,144)RS-4 ** DOUGLAS & PIATT

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
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	PLOT DATE = 1/23/2009	DATE -	REVISED -

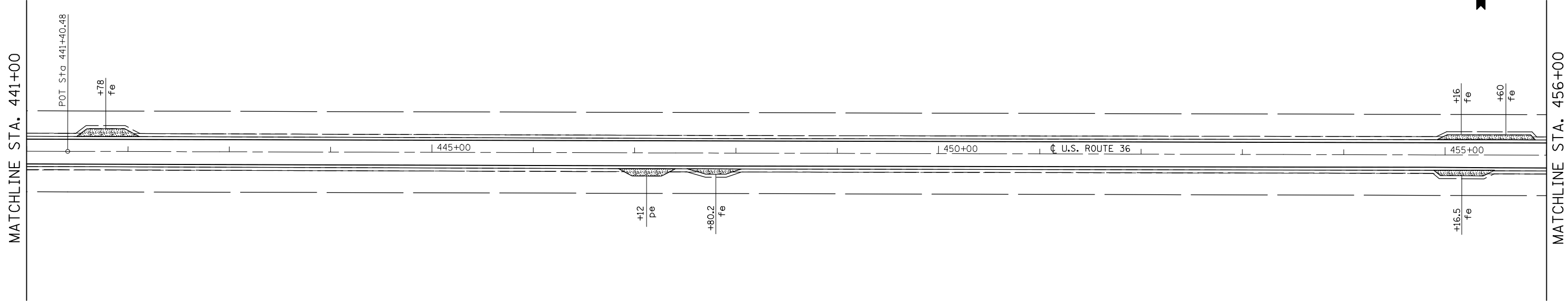
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 411+00 TO STA. 441+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	*	**	56	35
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70256	

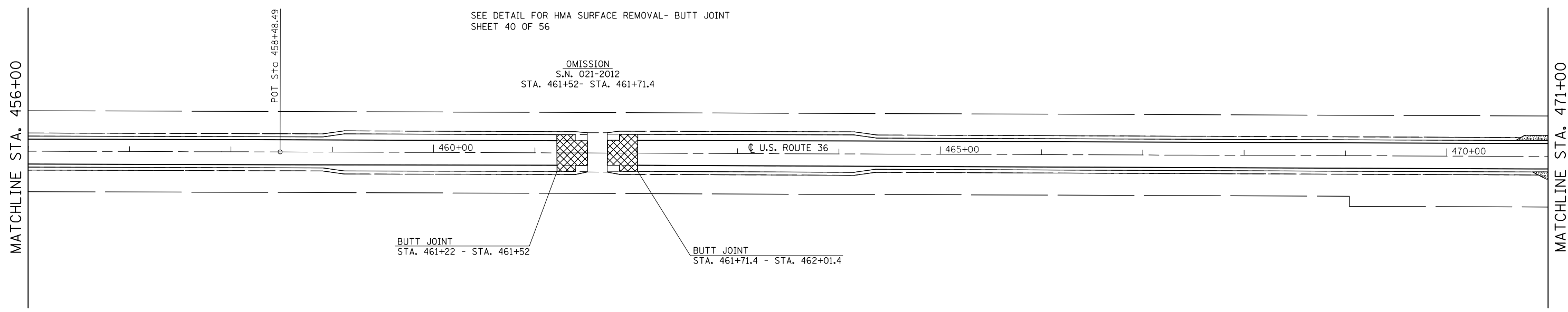
SEC. 33, T. 16 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY



- PCC SURF. REM., SPECIAL
- HMA BUTT JOINT
- INCIDENTAL BIT SURF.
- HMA SURF. REM., SPECIAL

SEC. 4, T. 15 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY

SEC. 33, T. 16 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY



BUTT JOINT
STA. 461+22 - STA. 461+52

BUTT JOINT
STA. 461+71.4 - STA. 462+01.4

SEC. 4, T. 15 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY

* (143-R,144)RS-4 ** DOUGLAS & PIATT

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

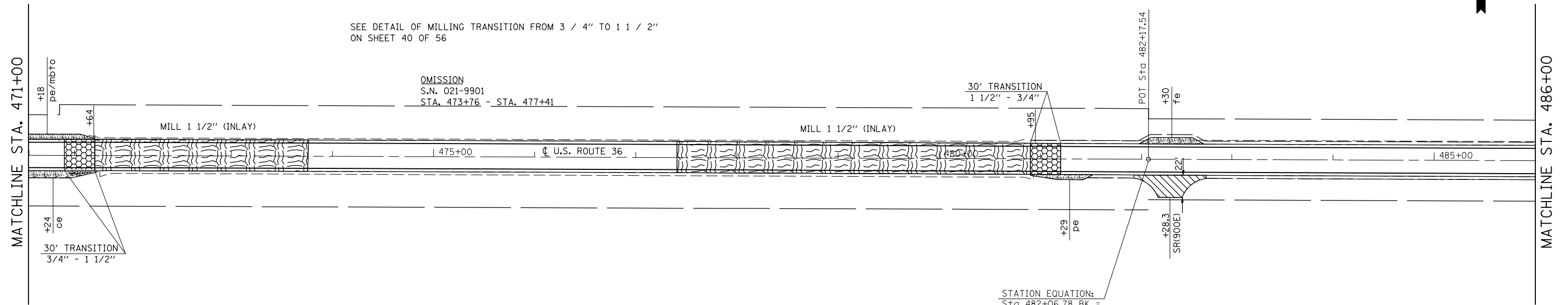
U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 441+00 TO STA. 471+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	*	**	56	36
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70256	

SEC. 33, T. 16 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY

SEE DETAIL OF MILLING TRANSITION FROM 3 / 4" TO 1 1 / 2"
ON SHEET 40 OF 56



- PCC SURF. REM., SPECIAL
- PCC SURF. REM., SPECIAL
- HMA BUTT JOINT
- INCIDENTAL BIT SURF.
- HMA SURF. REM., SPECIAL

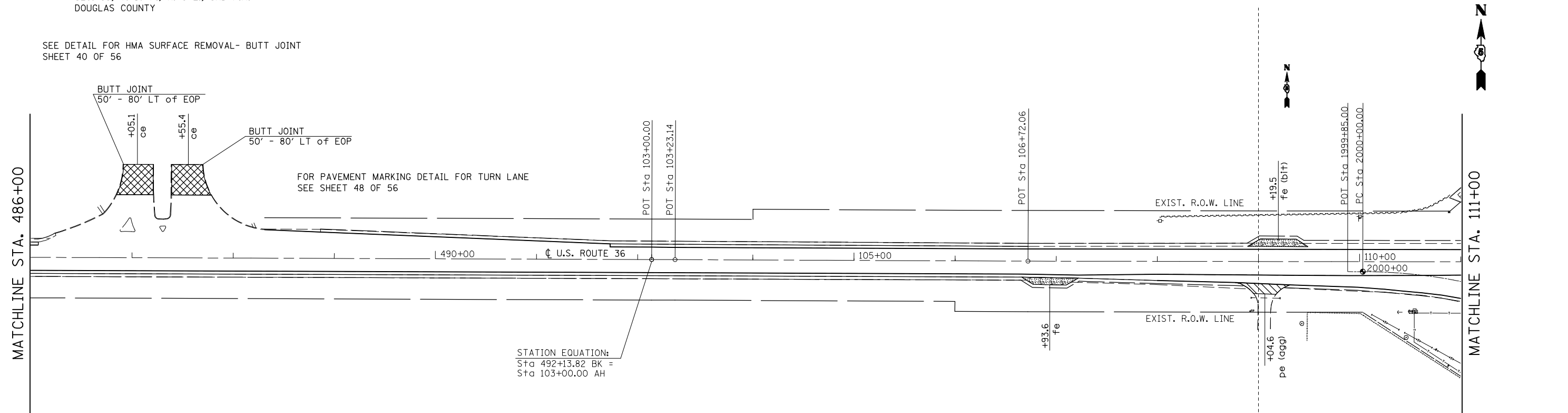
STATION EQUATION:
Sta 482+06.78 BK =
Sta 482+17.54 AH

SEC. 4, T. 15 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY

SEC. 3, T. 15 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY

SEC. 33, T. 16 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY

SEE DETAIL FOR HMA SURFACE REMOVAL- BUTT JOINT
SHEET 40 OF 56



FOR PAVEMENT MARKING DETAIL FOR TURN LANE
SEE SHEET 48 OF 56

STATION EQUATION:
Sta 492+13.82 BK =
Sta 103+00.00 AH

SEC. 3, T. 15 N., R. 8 E., 3RD P.M.
DOUGLAS COUNTY

• (143-R,144)RS-4 ** DOUGLAS & PIATT





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PLOT DATE = 1/23/2009	DATE -	REVISIED -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

U.S. 36 PLAN SHEETS

SCALE: 50 SHEET NO. OF SHEETS STA. 471+00 TO STA. 111+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	*	**	56	37
CONTRACT NO. 70256				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

-  PCC SURF. REM., SPECIAL
-  HMA BUTT JOINT
-  INCIDENTAL BIT SURF.
-  HMA SURF. REM., SPECIAL

EXISTING CURVE
 PI STA. = 2001+90.00
 $\Delta = 11^\circ 23' 06.1''$
 R = 503.26'
 T = 190.00'
 L = 363.35'
 E = 34.67'
 P.C. STA. = 2000+00.00
 P.T. STA. = 2003+63.04

EXISTING CURVE
 PI STA. = 1002+10.02
 $\Delta = 70^\circ 06' 57''$
 D = 44' 04" 25"
 R = 130.00'
 T = 91.20'
 L = 159.05'
 E = 28.80'
 P.C. STA. = 1001+18.82
 P.T. STA. = 1002+77.87

EXISTING CURVE
 PI STA. = 2008+02.63
 $\Delta = 34^\circ 57' 06''$
 D = 27' 19" 53"
 R = 209.53'
 T = 66.00'
 L = 127.88'
 E = 10.14'
 P.C. STA. = 2007+36.70
 P.T. STA. = 2008+64.80

EXISTING CURVE
 PI STA. = 1006+51.54
 $\Delta = 25^\circ 35' 01''$
 D = 20' 27" 46"
 R = 280.00'
 T = 63.57'
 L = 125.02'
 E = 7.13'
 P.C. STA. = 1005+87.67
 P.T. STA. = 1007+12.70

MATCHLINE STA. 111+00

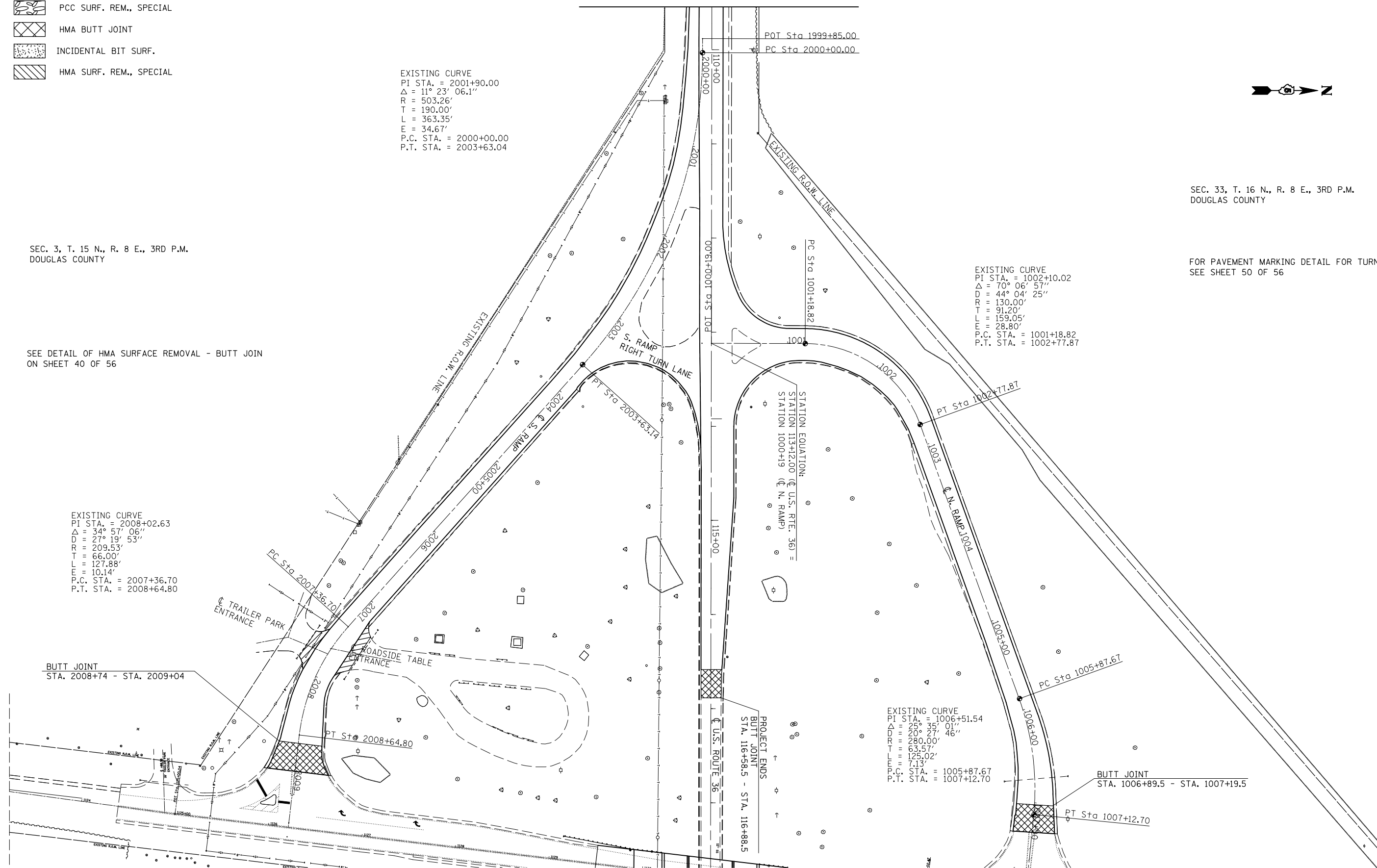


SEC. 33, T. 16 N., R. 8 E., 3RD P.M.
 DOUGLAS COUNTY

SEC. 3, T. 15 N., R. 8 E., 3RD P.M.
 DOUGLAS COUNTY

FOR PAVEMENT MARKING DETAIL FOR TURN LANE
 SEE SHEET 50 OF 56

SEE DETAIL OF HMA SURFACE REMOVAL - BUTT JOIN
 ON SHEET 40 OF 56



BUTT JOINT
 STA. 2008+74 - STA. 2009+04

PROJECT ENDS
 BUTT JOINT
 STA. 116+58.5 - STA. 116+88.5

BUTT JOINT
 STA. 1006+89.5 - STA. 1007+19.5

* (143-R,144)RS-4 ** DOUGLAS & PIATT

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		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

US 36 PLAN SHEETS & RAMPS @ US 45

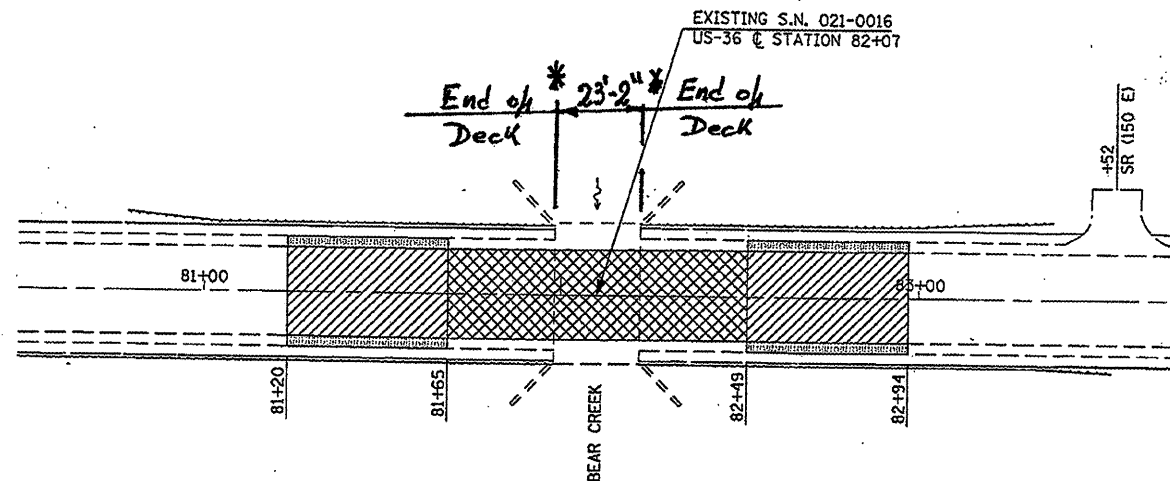
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	*	**	56	38
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 70256	

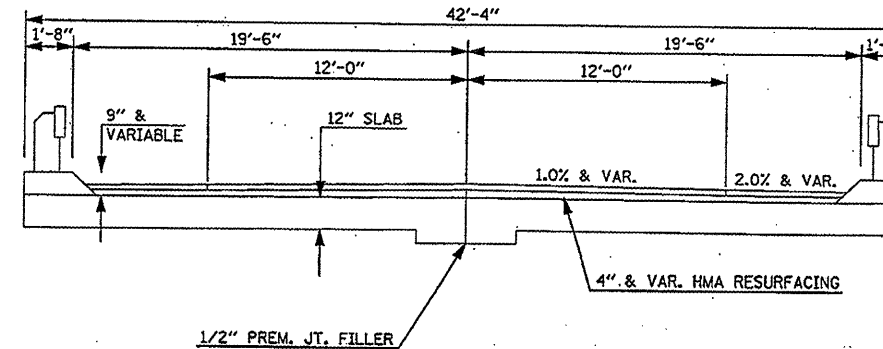
EXISTING STRUCTURE: S.N. 021-0016, STATION 82+07
 CARRYING FAP 323 (US-36) OVER BEAR CREEK, APPROXIMATELY
 0.5 MILES EAST OF ATWOOD. A SINGLE SPAN CONCRETE SLAB
 BRIDGE ON VERTICAL ABUTMENTS WITH SPREAD FOOTINGS.
 LENGTH: 24' BK. TO BK. OF ABUT. 20' APPROACH PAVEMENTS

GENERAL PLAN
S.N. 021-0016

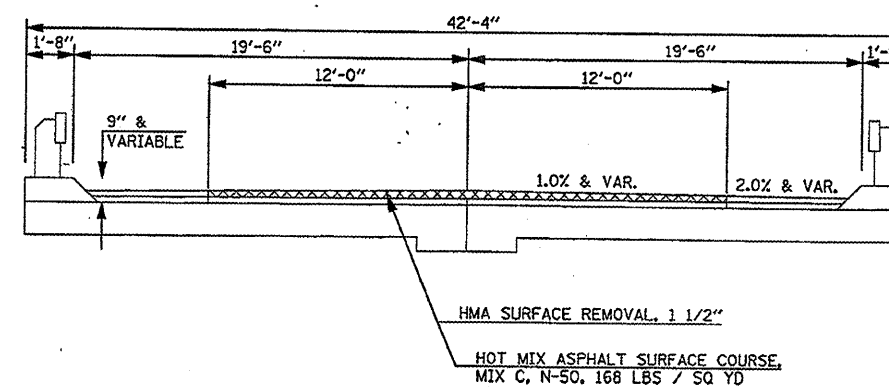
* Provide a 1/4" x 3/4" sawed joint
 filled with elastic joint sealer
 at each end of the deck surface
 (full width of new overlay).



EXISTING TYPICAL DECK CROSS SECTION



PROPOSED TYPICAL SECTION



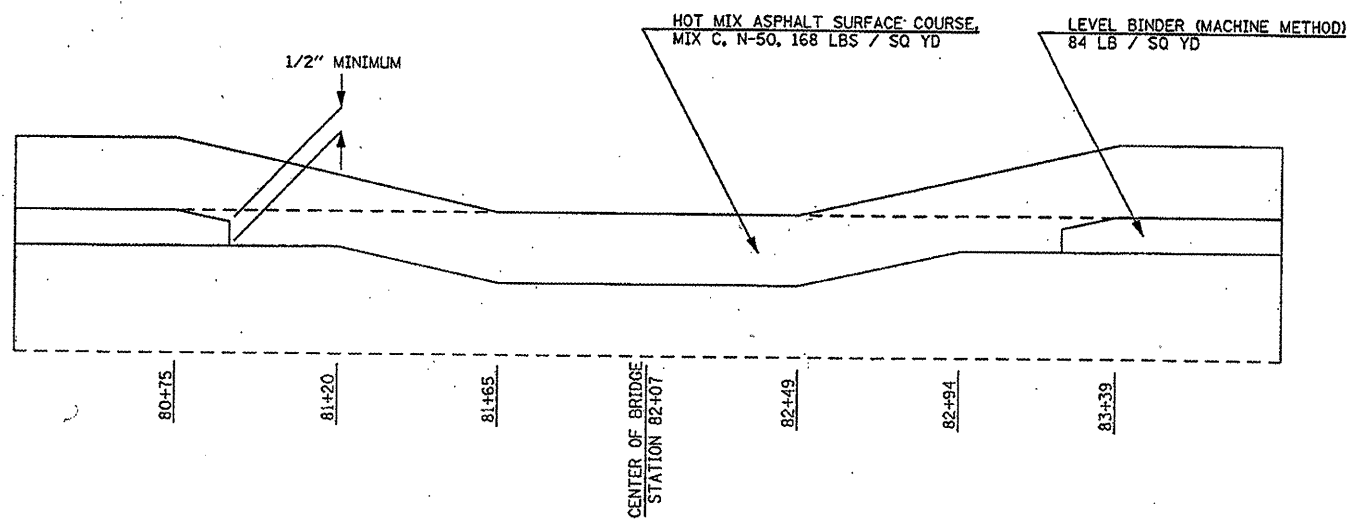
LEGEND

- H.M.A. SURFACE COURSE INLAY, 1/2"
- MAINLINE COLD MILLING TRANSITION, 3/4" - 1 1/2"
- SHOULDER COLD MILLING TRANSITION, 3/4" - 1 1/2"
(TO BE INCLUDED WITH MAINLINE MILLING QTY.)

SCOPE OF WORK

1. COLD MILLING THE SAME WIDTH AS THE ADJACENT ROADWAY ACROSS THE STRUCTURE AT DEPTH OF 1/2".
2. INLAY PROPOSED 1/2" HMA SURFACE COURSE ACROSS BRIDGE DECK AND APPROACH PAVEMENTS.

DETAIL OF PROPOSED RUNDOWNS AT STRUCTURE



BILL OF MATERIALS

ITEM	UNITS	TOTAL
HMA SURFACE REMOVAL, 1/2"	SQ YD	112.0
HMA SURFACE COURSE, MIX C, N-50, 1/2"	TON	9.4

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE THE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION OR A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE CONTRACT UNIT PRICE FOR THE WORK.

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PLOT DATE = 1/23/2009		DATE -	REVISED -

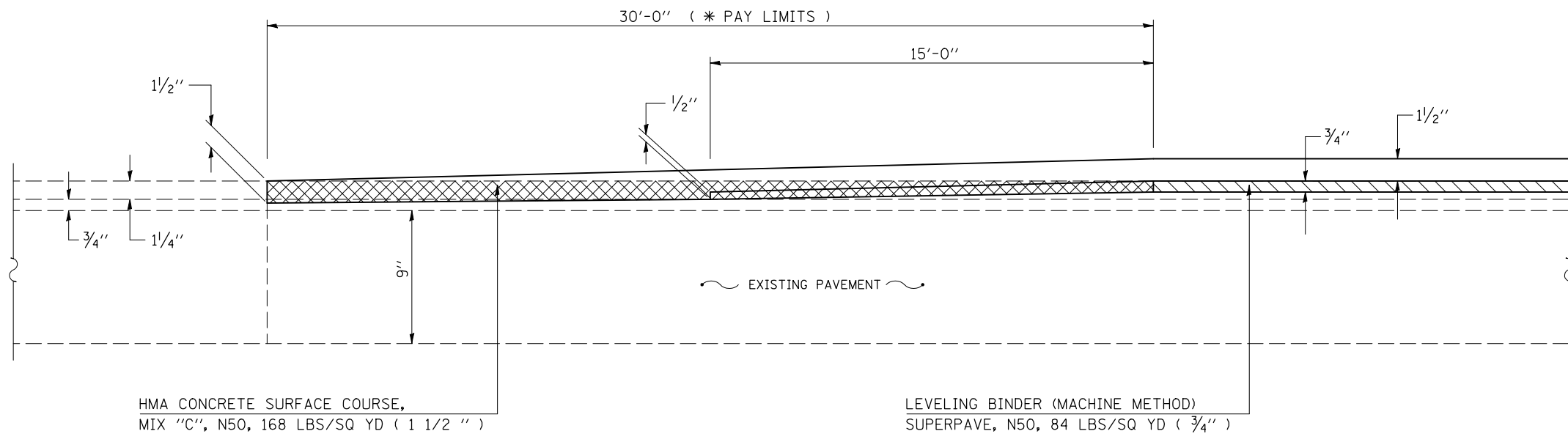
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & STRUCTURE DETAIL			
EXISTING S.N. 021-0016			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

PIATT / DOUGLAS			
F.A.P. RTE. 323	SECTION 043.R144RS-3	COUNTY *	TOTAL SHEETS NO. 56 39
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		CONTRACT NO. 70256	

DETAIL OF HOT-MIX ASPHALT SURFACE REMOVAL – BUTT JOINT

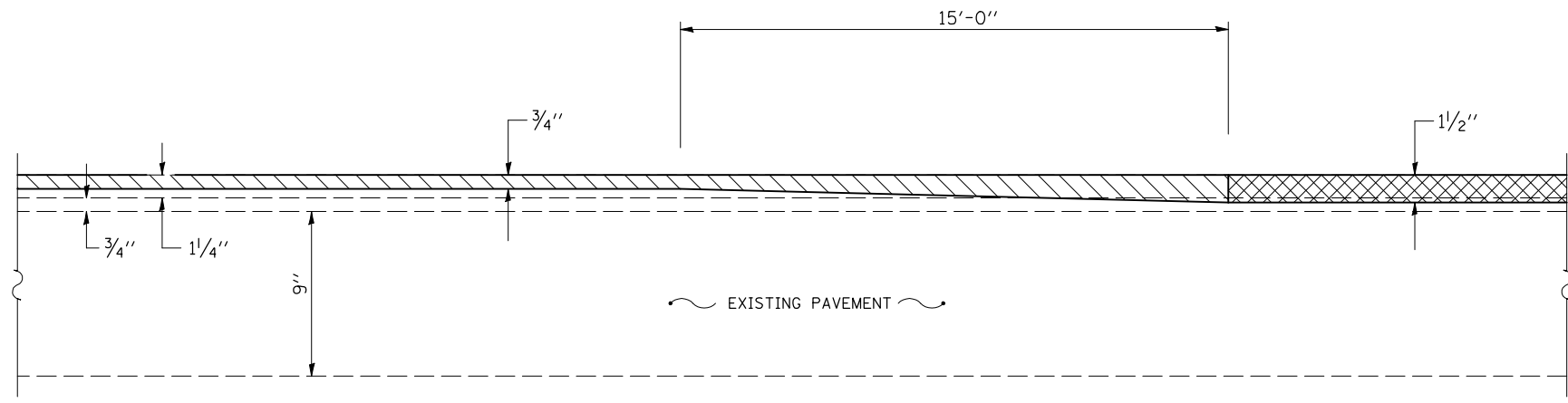
STATION	TO	STATION
759+39.00		759+69.00
28+52.00		28+82.00
30+65.00		30+95.00
156+12.50		156+42.50
157+15.00		157+45.00
294+11.50		294+41.00
296+75.00		297+05.00
461+22.00		461+52.00
461+71.40		462.01.40
116+58.50		116+88.50
1006+89.5		1007+19.50
2008+74.00		2009+04.00



- HMA SURFACE REMOVAL - BUTT JOINT
- HMA SURFACE REMOVAL, 3/4 "

DETAIL OF MILLING TRANSITION FROM 3/4" TO 1 1/2"

STATION	TO	STATION
81+20.00		81+65.00
82+49.00		82+94.00
471+64.00		473+72.60
477+49.00		480+95.00

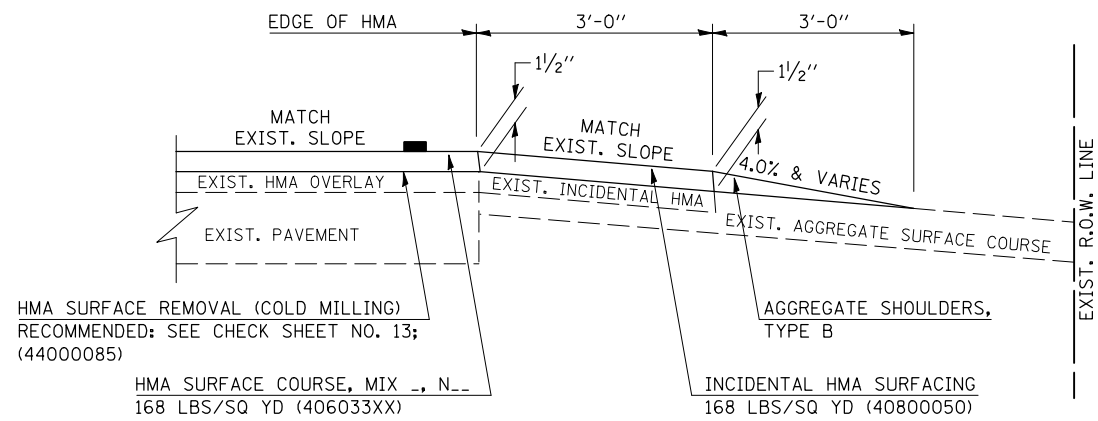


- BITUMINOUS SURFACE REMOVAL, 1/2"
- BITUMINOUS SURFACE REMOVAL, 3/4"

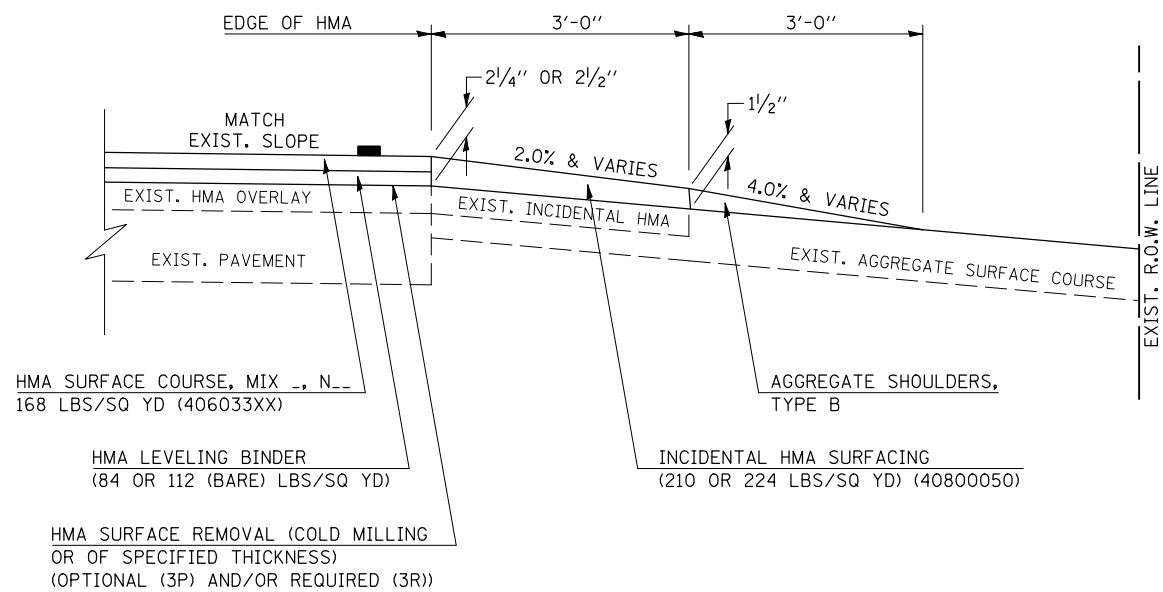
• DOUGLAS & PIATT COUNTIES

PROJECTS WITHOUT RECONSTRUCTION
 ("3R" WITHOUT RECONSTRUCTION, 3P, SMART AND CM)

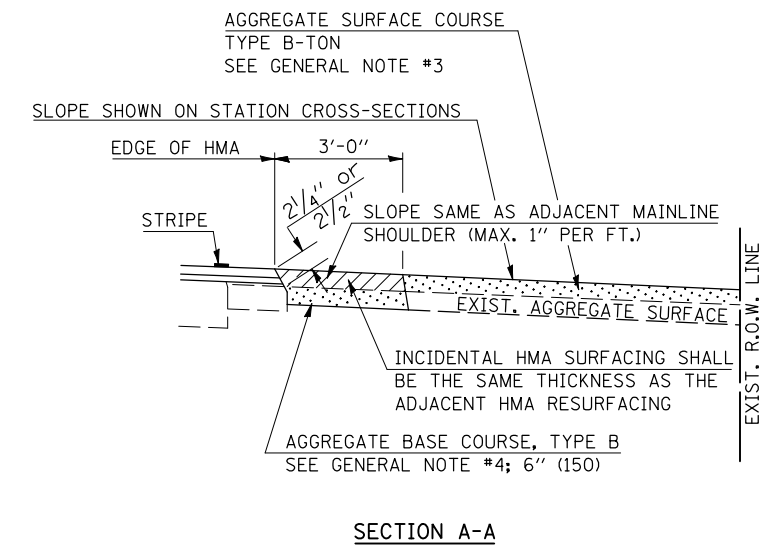
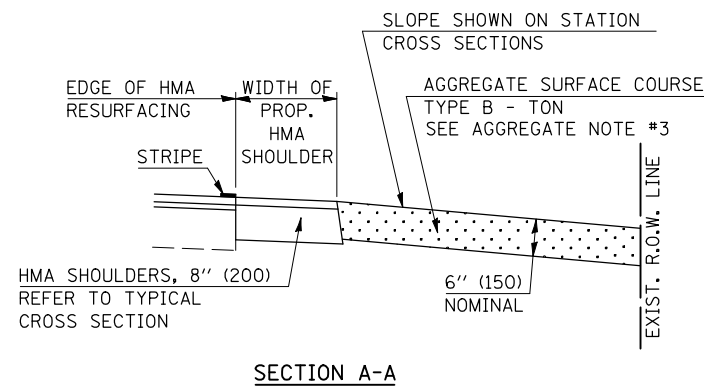
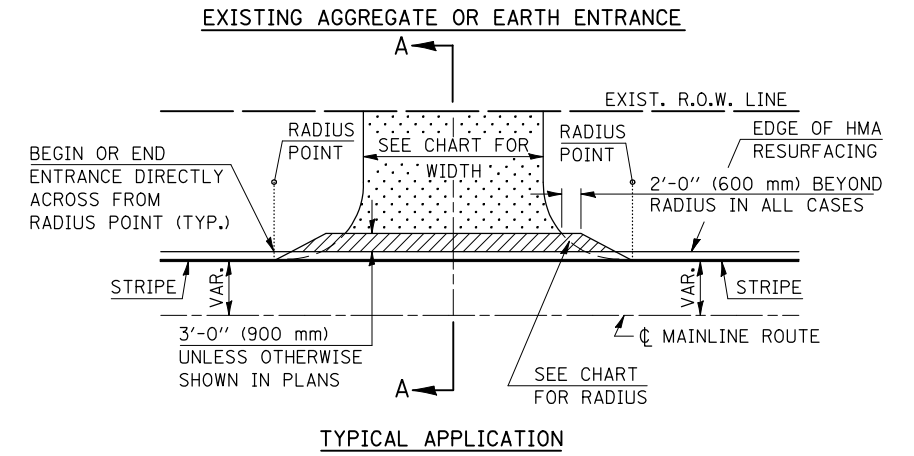
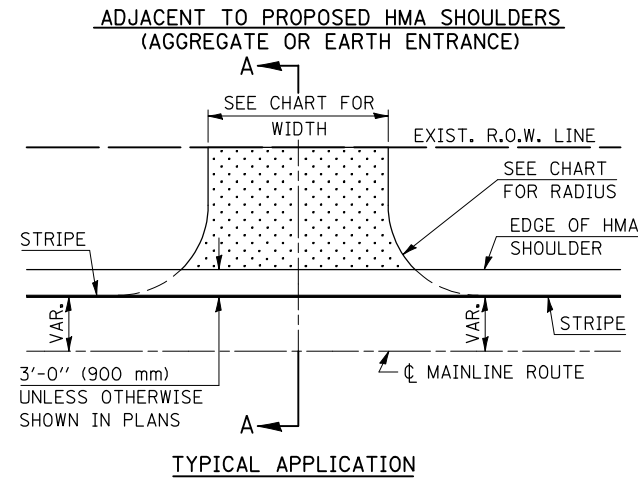
S.M.A.R.T. IMPROVEMENTS
 (POLICY RESURFACING; BDE 53-4.03; 1/2")



"3P" OR "3R" IMPROVEMENTS
 (POLICY RESURFACING; BDE 53-4.02; 2/4" OR 2/2" ON BARE CONCRETE)



PROJECTS WITH RECONSTRUCTION
 ("3R" IMPROVEMENTS AND SMART/3P "SPOT" LOCATIONS)



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

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED - 12/01/06 TJB
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		CHECKED -	REVISED - 04/30/08 KJT
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIELD ENTRANCES (NONCOMMERCIAL RURAL)

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

DISTRICT 5 DETAIL NO. 40800050A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4	*	56	41
* DOUGLAS & PIATT			CONTRACT NO. 70256	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. 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".
7. 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.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)																
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM									
	NONCOMMERCIAL			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL			
	PRIVATE & FIELD			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL			
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.		
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY						1 LANE, 1 WAY				
						14	16	24				2 LANE, 2 WAY				
						2 LANE, 2 WAY						2 LANE, 2 WAY				
						24	30	35								
RADIUS (FT)	15	25	40	30		20	30	50	resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them							
SHOULDER WIDTH (FT)	2	2		2		1	3									
SHOULDER SLOPE (%)	2	4	6	4		2	4	6								
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10								
SIDE SLOPE (FT)	1:4	1:6	1:10	1:4	1:6	1:4	1:6	1:10								
SURFACE TYPE																
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder							
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02							
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8								

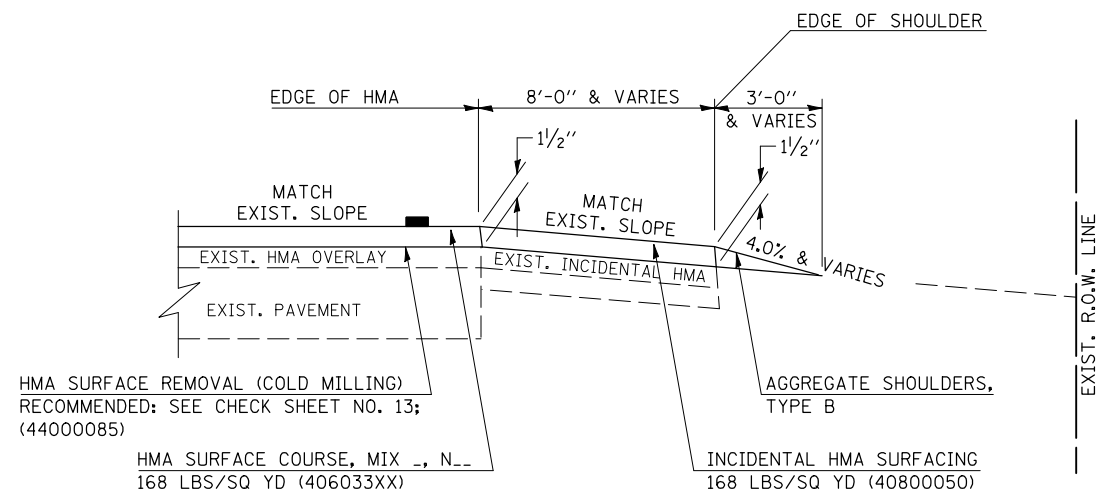
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 40800050A

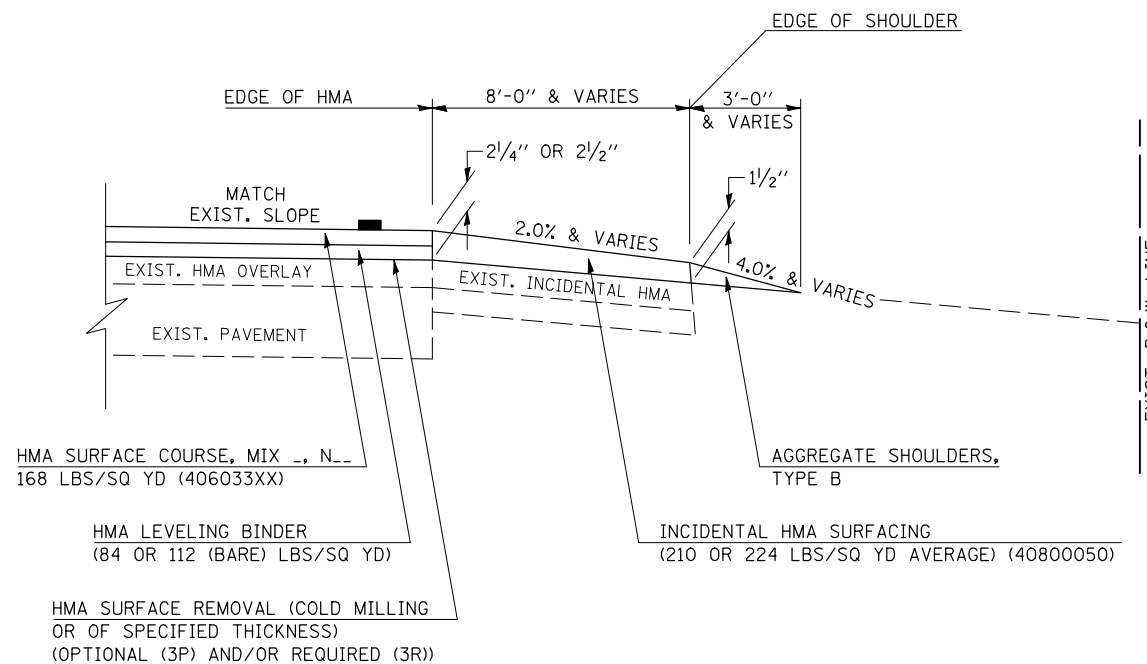
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ct:\pwwork\pwwid\AUSTINRL\dms86981\70256\DISTRICTDET.dgn	DRAWN -	REVISED - 09/21/07 KAG	323			(143,R,144)RS-4	*	56	42	
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	PLOT DATE = 1/23/2009	DATE -	REVISED -			SCALE: NA	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS
(POLICY RESURFACING; BDE 53-4.03; 1 1/2")



"3P" OR "3R" IMPROVEMENTS
(POLICY RESURFACING; BDE 53-4.02; 2 1/4" OR 2 1/2" ON BARE CONCRETE)

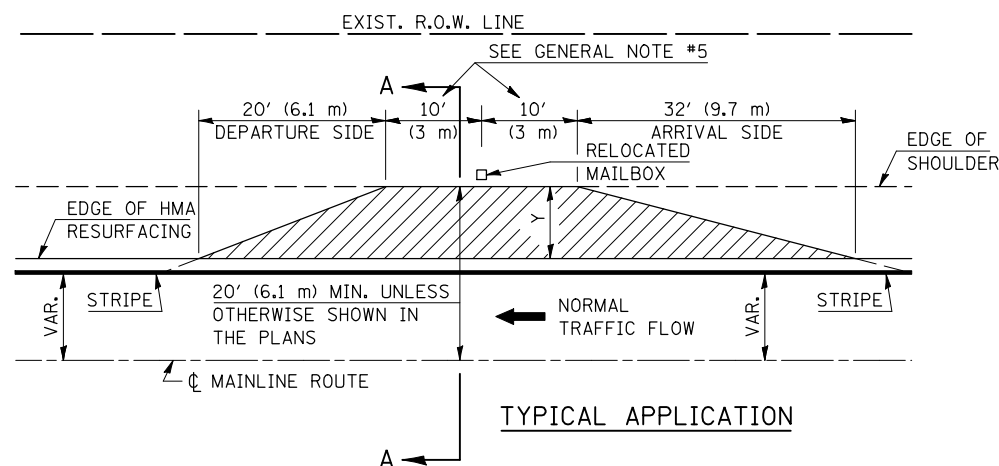


GENERAL NOTES

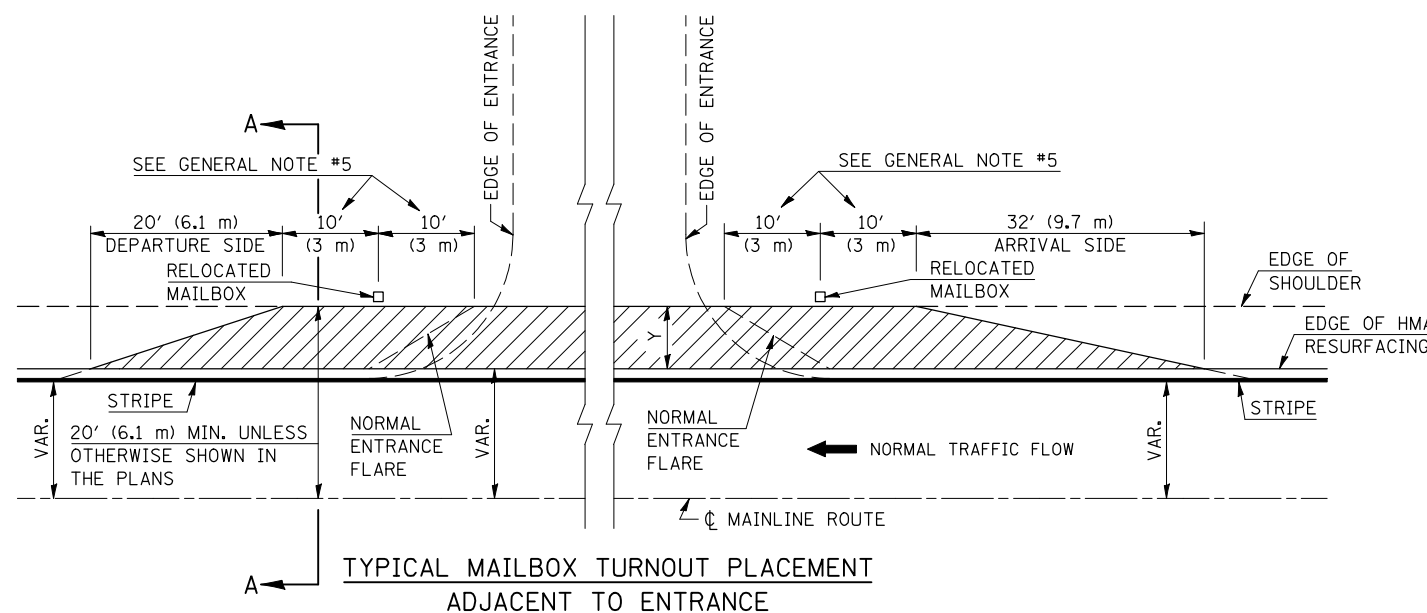
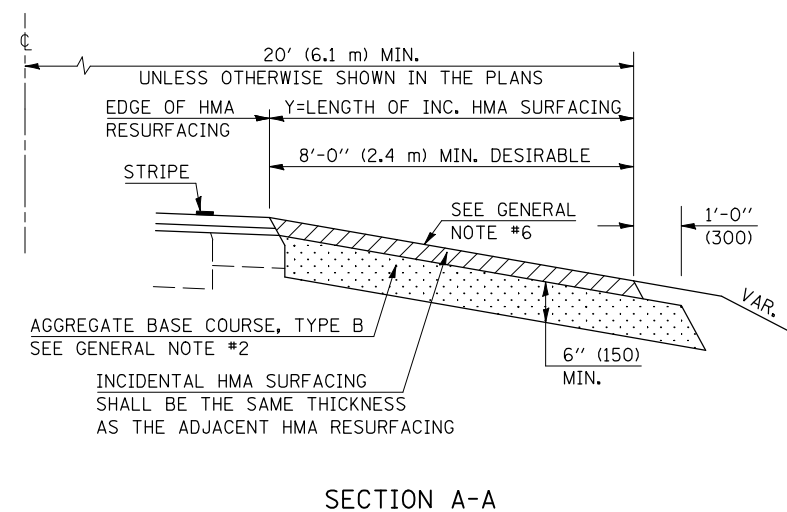
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
5. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
6. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER. MINIMUM 4% (1/2"/') DESIRABLE; MAXIMUM 8% (1"/').
7. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE INCIDENTAL HMA SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.
8. THE TOTAL SHOULDER WIDTH, 2.4 m (8') MINIMUM, SHALL BE PAVED BETWEEN SIDEROADS ENTRANCES AND/OR MAILBOX TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN RADIUS OR TAPER CONTROL POINTS IS LESS THAN 15.0 m (50').
9. MAILBOXES SHALL BE MOUNTED SUCH THAT THE FACE OF THE MAILBOX IS 6" (150 mm) TO 12" (300 mm) AND THE POST A MINIMUM OF 24" (600 mm) FROM THE EDGE OF THE TURNOUT SURFACING.

PROJECTS WITH RECONSTRUCTION

("3R" IMPROVEMENTS)



WIDTH OF SHOULDER	4'-0" - 8'-0" (1.2 m - 2.4 m)	10'-0" (3.0 m)
WIDTH OF TURNOUT "Y"	8'-0" (2.4 m)	8'-0" - 10'-0" (2.4 m - 3.0 m)



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

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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUT (RURAL)

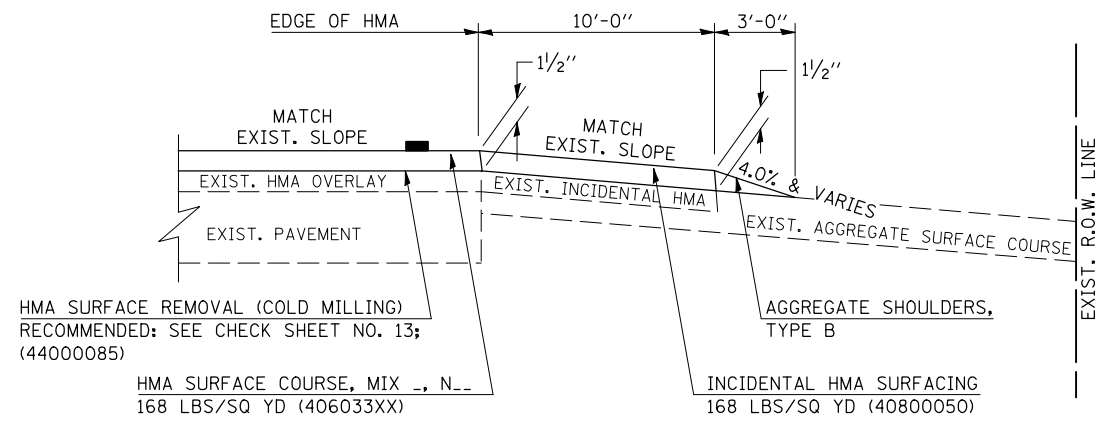
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DISTRICT 5 DETAIL NO. 40800050B

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4	*	56	43
* DOUGLAS & PIATT			CONTRACT NO. 70256	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

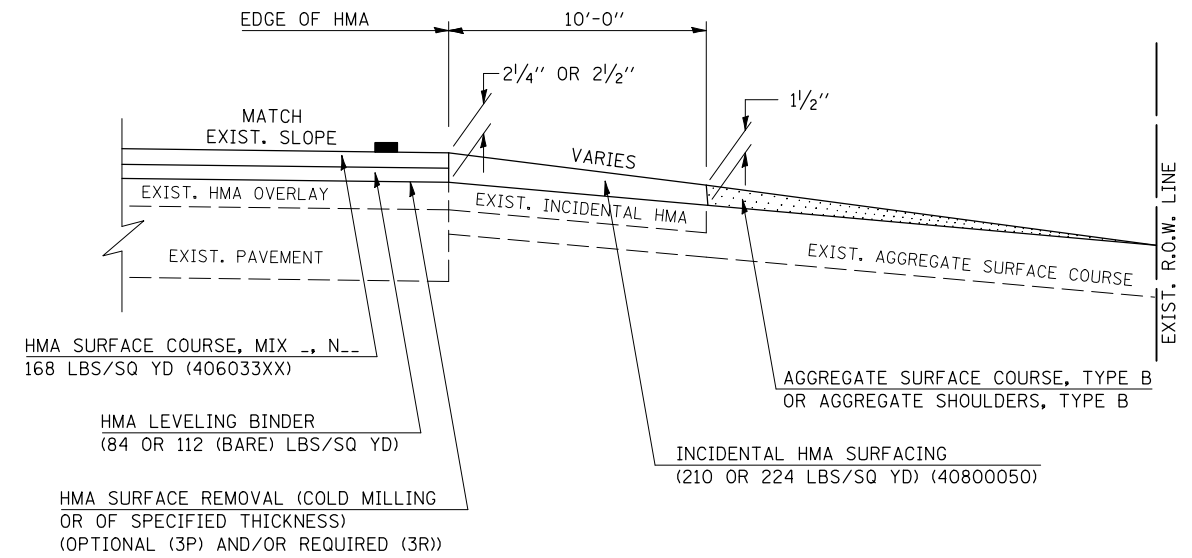
PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.03; 1/2")

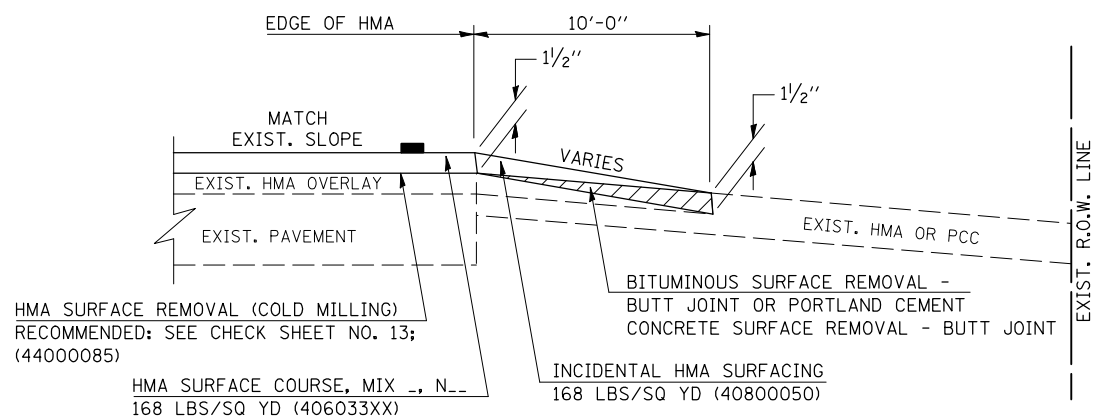


EXISTING AGGREGATE ENTRANCE

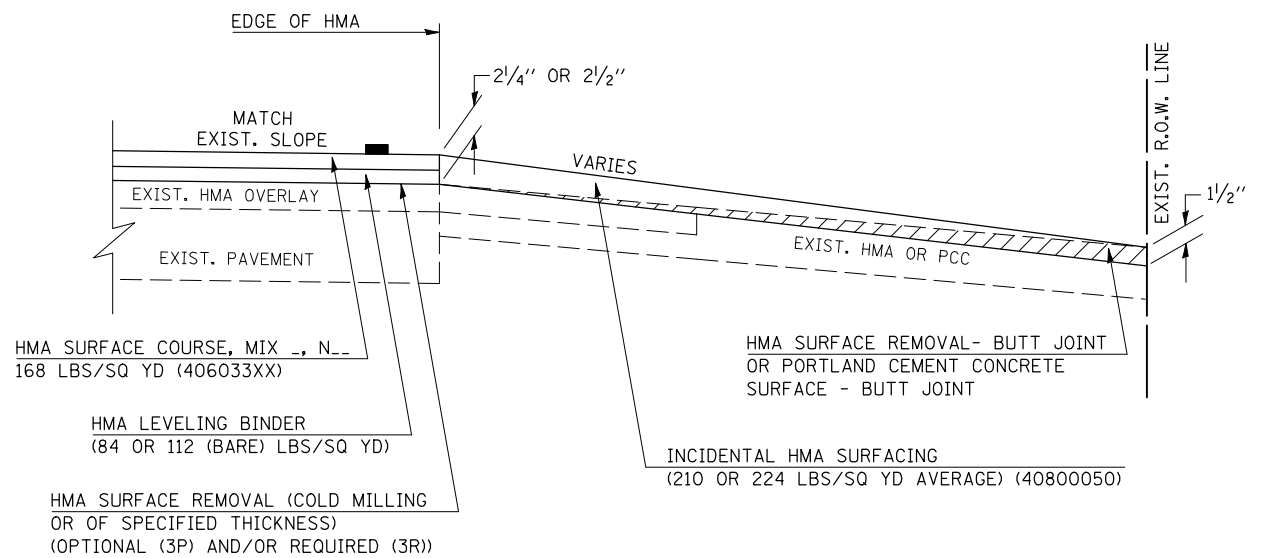
"3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2 1/4" OR 2 1/2" ON BARE CONCRETE)



EXISTING AGGREGATE ENTRANCE



EXISTING HMA OR PCC ENTRANCE



EXISTING HMA OR PCC ENTRANCE

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

DISTRICT 5 DETAIL NO. 40800050C

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED - 12/08/06 TJB
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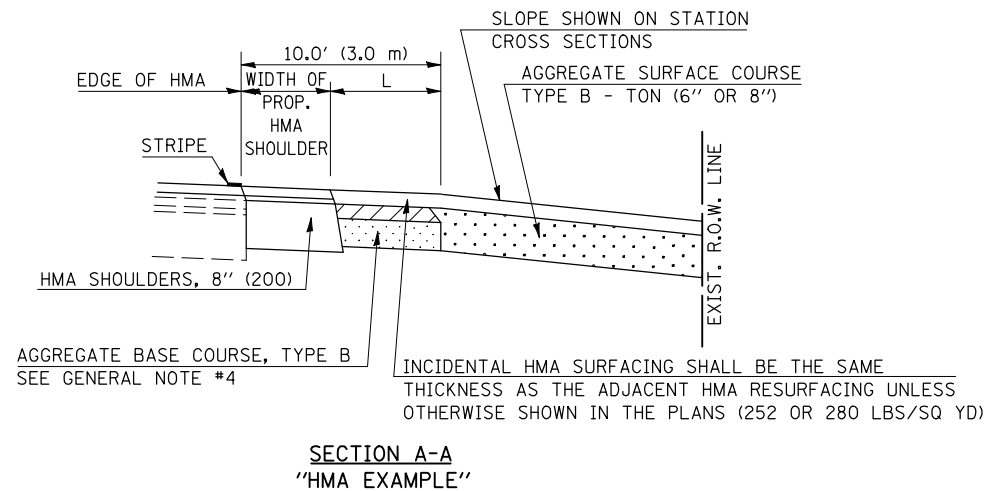
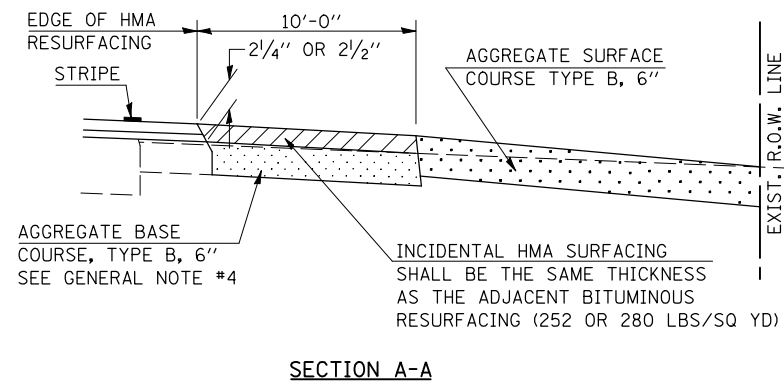
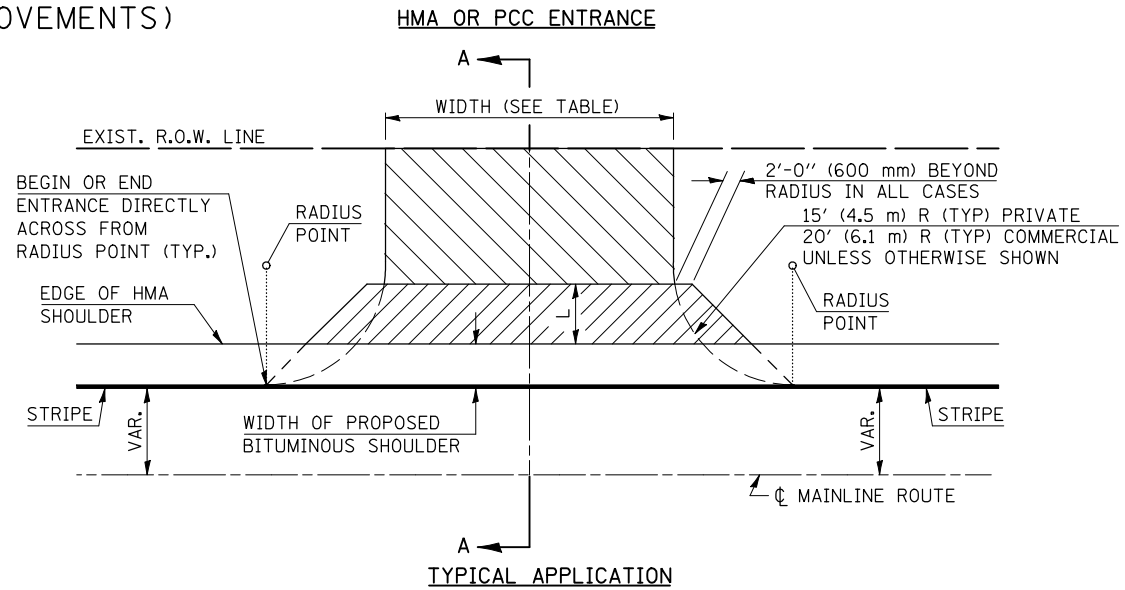
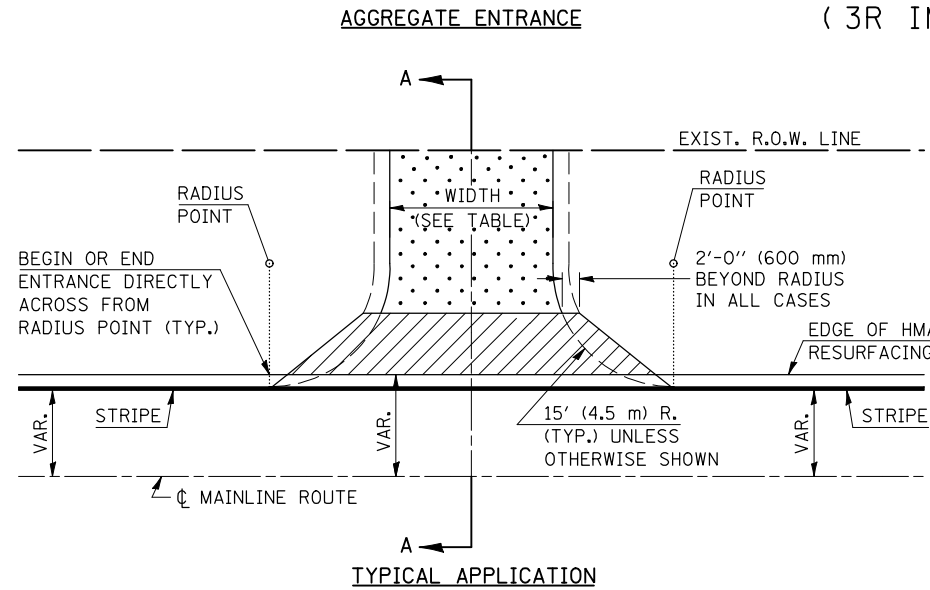
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PRIVATE AND COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)			
SCALE: NA	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4	*	56	44
* DOUGLAS & PIATT			CONTRACT NO. 70256	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PROJECTS WITH RECONSTRUCTION

(3R IMPROVEMENTS)



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. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. 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".
7. 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.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)																	
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM										
	NONCOMMERCIAL			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL				
	PRIVATE & FIELD						1 LANE, 1 WAY				1 LANE, 1 WAY		2 LANE, 2 WAY				
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.			
SURFACE WIDTH (FT)	12	16	24	24	30	14 16 24						14 16 24					
RADIUS (FT)	15	25	40	30		20 30 50											
SHOULDER WIDTH (FT)	2	2		2		1 3											
SHOULDER SLOPE (%)	2	4	6	4		2 4 6											
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0 2 to 5 8 or 10											
SIDE SLOPE (FT)	1:10	1:6	1:4	1:6	1:4	1:10 1:6 1:4											
SURFACE TYPE																	
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" for "butt joints" and to minimize aggregate shoulder								
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02								
PCC DRIVEWAY PAVEMENT (INCH)		6							6 or 8								

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

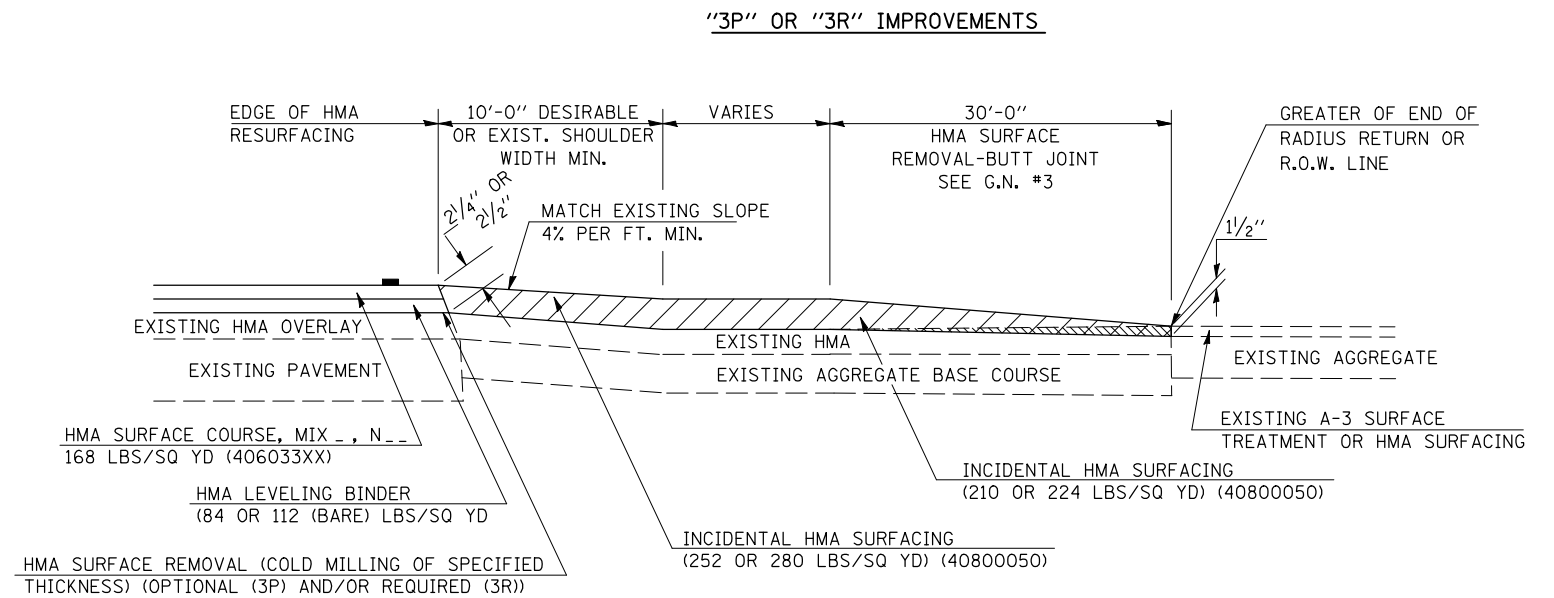
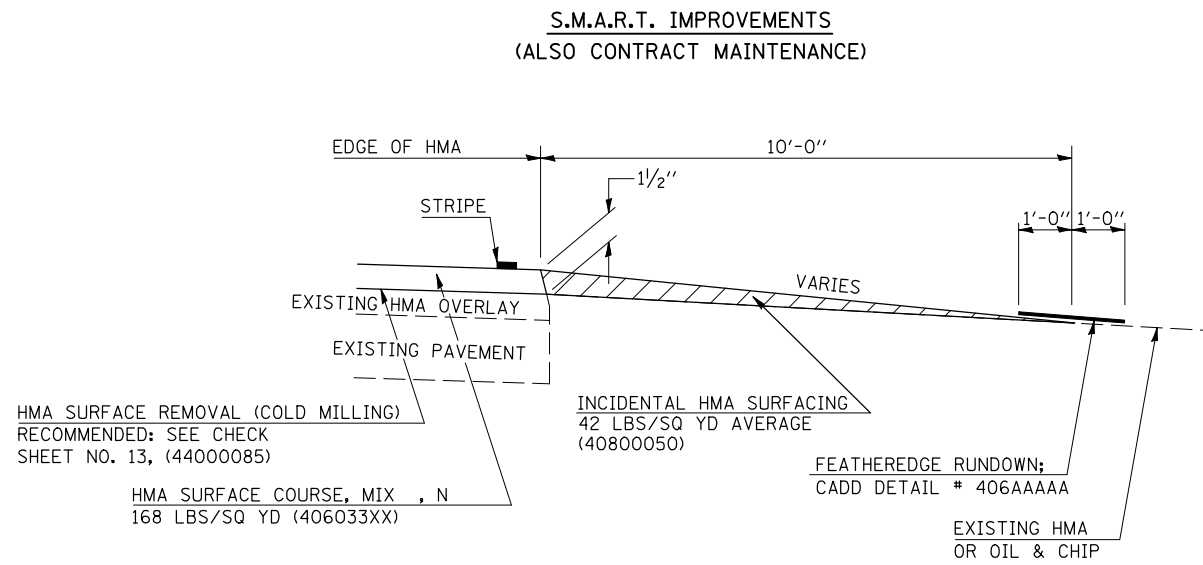
FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED - 12/08/06 TJB
ct:\pwwork\pwwid\AUSTINRL\dms86981\70256\DISTRICTDET.dgn		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED - 05/02/08 KJT
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

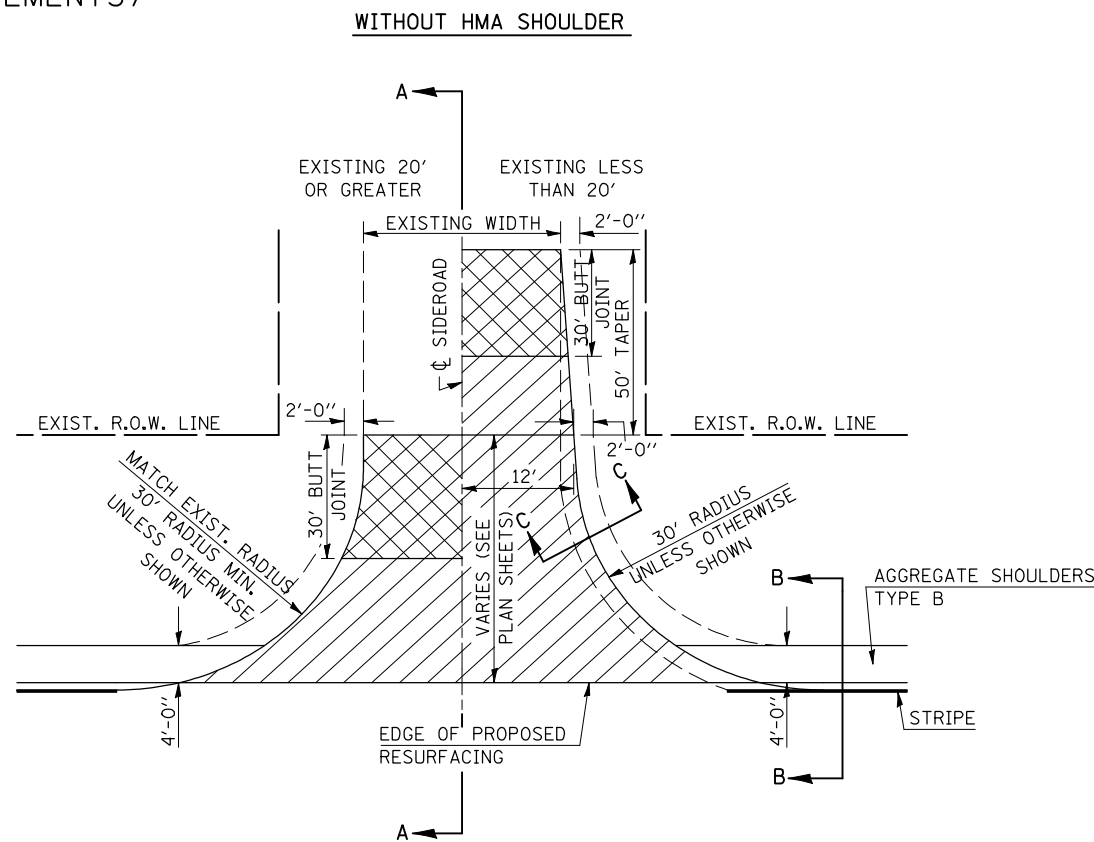
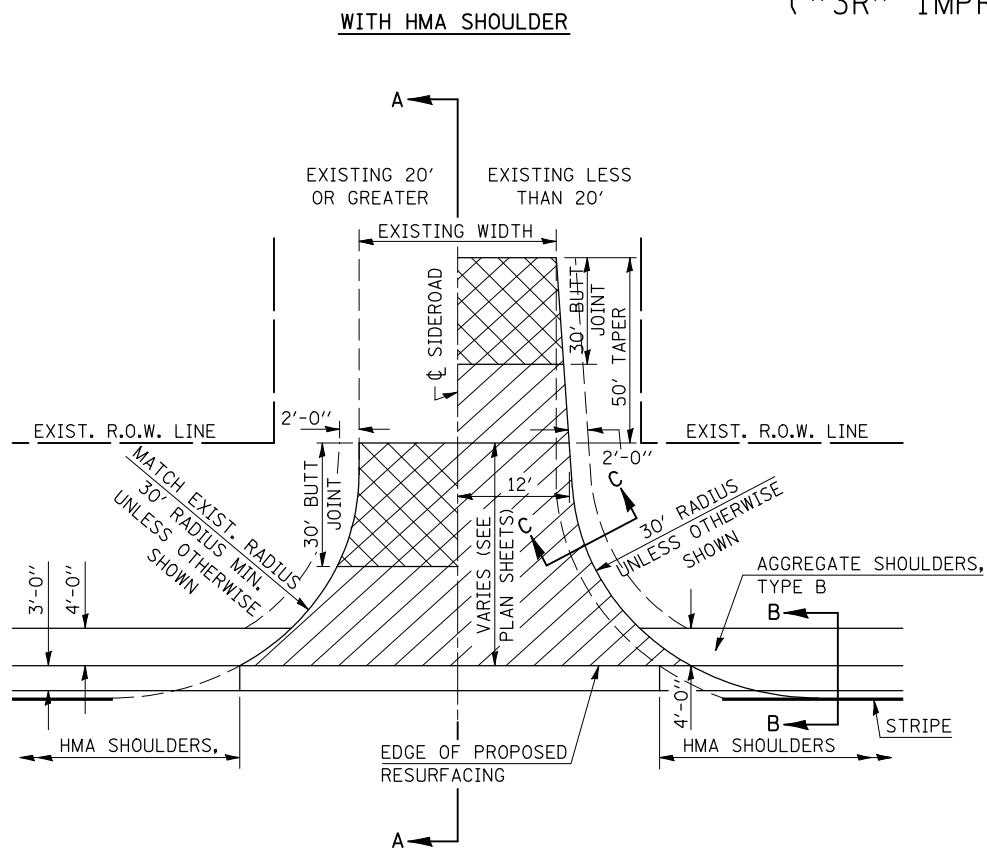
PRIVATE AND COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)			
SCALE: NA	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

DISTRICT 5 DETAIL NO. 4080050C			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
323	(143,R,144)RS-4	*	56
* DOUGLAS & PIATT		CONTRACT NO. 70256	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

PROJECTS WITHOUT RECONSTRUCTION



PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)



GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

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

DISTRICT 5 DETAIL NO. 408000AA

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED - 12/13/06 TJB
ct:\pw\work\PWIDOT\AUSTINRL\dms06981\70256\DISTRICTDET.dgn		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED -
		DATE -	REVISED -

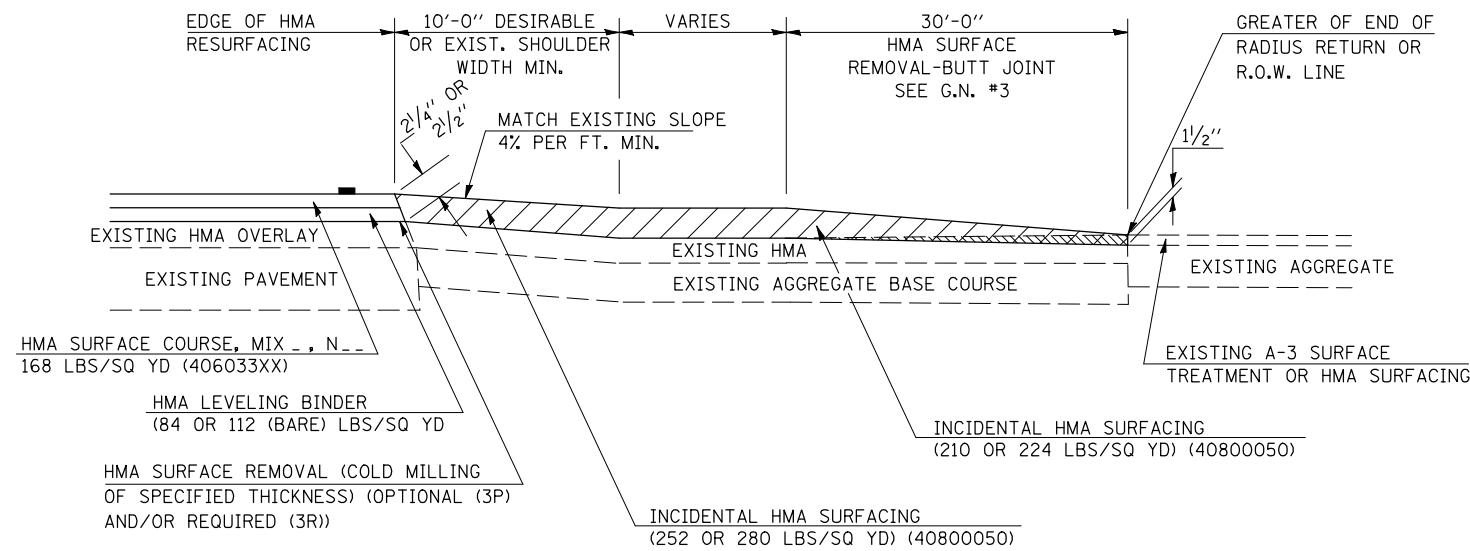
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEROADS & SIDESTREETS (RURAL)

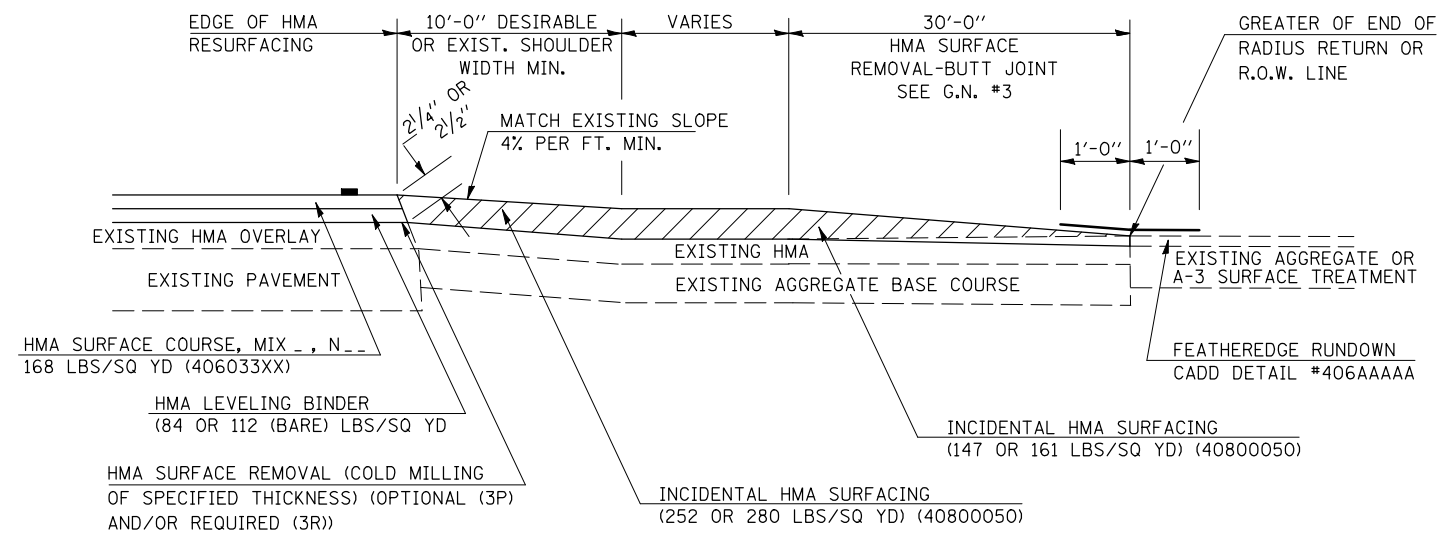
SCALE: NA SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4	*	56	46
* DOUGLAS & PIATT		CONTRACT NO. 70256		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

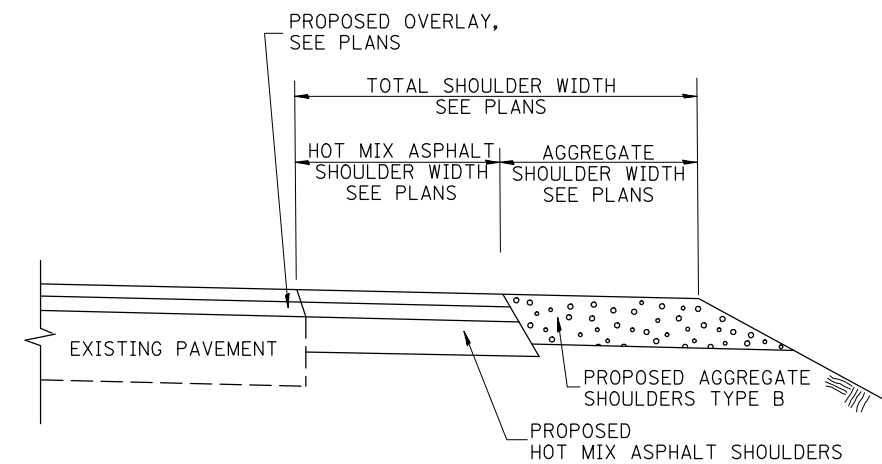
SECTION A-A
EXISTING HMA OR PCC SIDEROAD (>400 ADT)



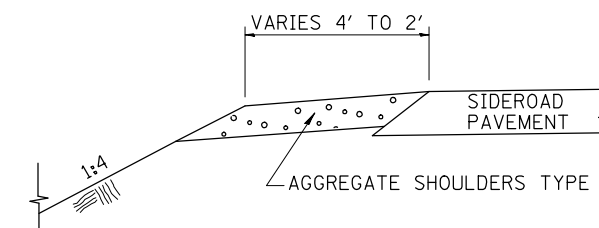
SECTION A-A
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (<400 ADT)



RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)									
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance		
	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT); (measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA					
RADIUS (FT)	30	30							
SHOULDER WIDTH (FT)	4	8	10						
SHOULDER SLOPE (%)	2	4	12						
ENTRANCE GRADE (%)	1	1 to 4	4						
BREAKOVER (%)	0	5	10						
SIDE SLOPE	1:10	1:6	1:4						
INTERSECTION ANGLE	60	75 to 90							
SURFACE TYPE									
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge		
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base					
PCC PAVEMENT (INCH)		8							



SECTION B-B
MAINLINE SHOULDER TREATMENT



SECTION C-C
SIDEROAD SHOULDER TREATMENT

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

DISTRICT 5 DETAIL NO. 40800AA

FILE NAME =	USER NAME = austin1	DESIGNED -	REVISED - 12/13/06 TJB
ct:\pw\work\PIWIDOT\AUSTINRL\dms06981\70256DISTRICTDET.dgn		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED -
		DATE -	REVISED -

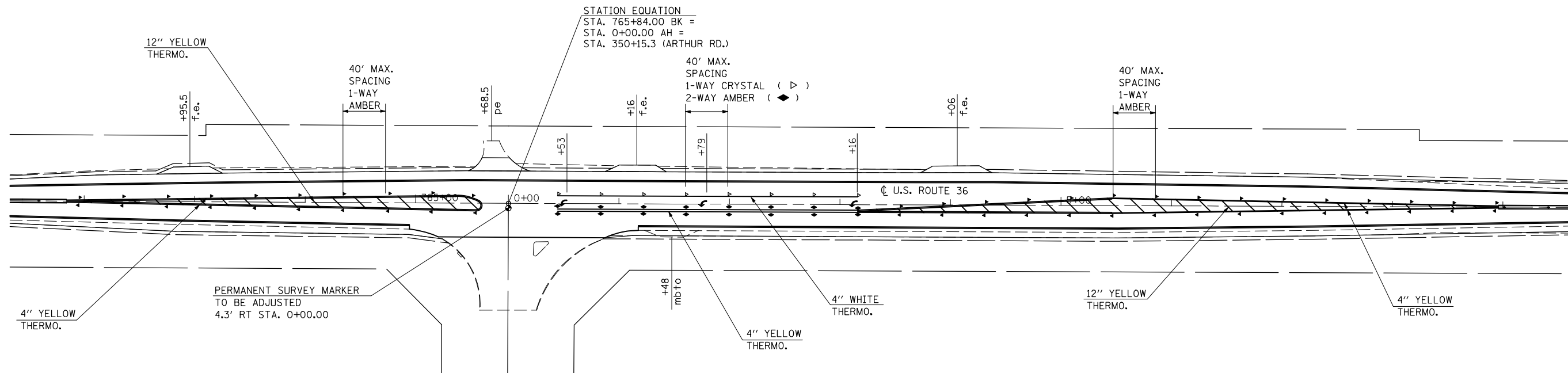
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEROADS & SIDESTREETS (RURAL)			
SCALE: NA	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4	*	56	47
* DOUGLAS & PIATT		CONTRACT NO. 70256		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKING DETAIL

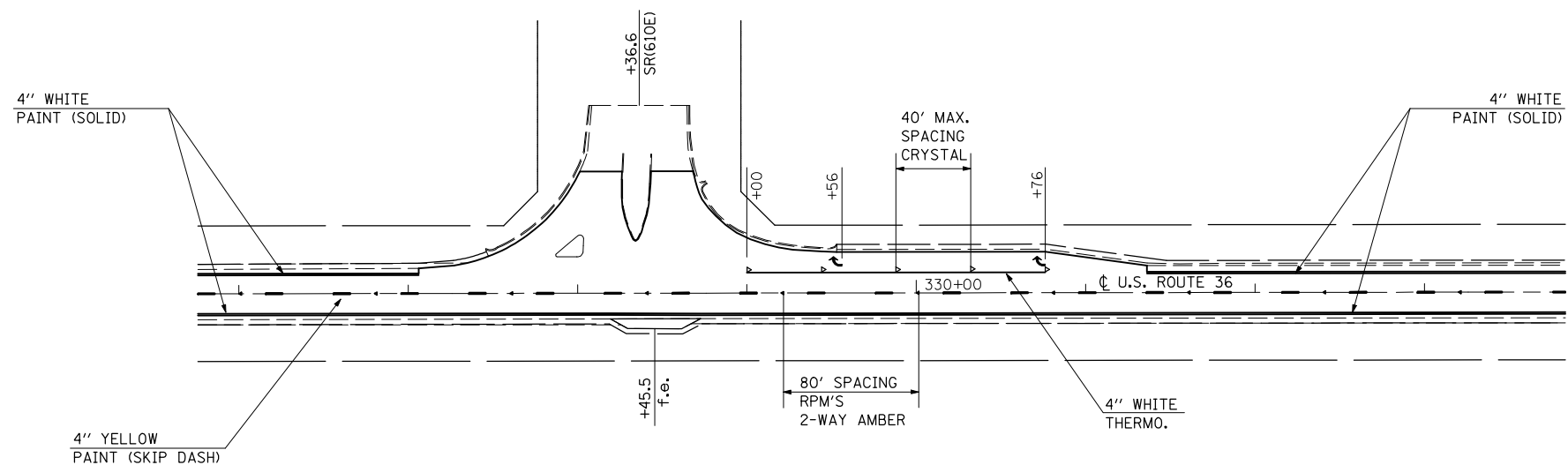
STA. 761+84 - 765+60



NOTE: ALL LETTERS & SYMBOLS SHALL BE THERMOPLASTIC PAVEMENT MARKING.

PAVEMENT MARKING DETAIL

STA. 327+03 - 331+18



NOTE: ALL LETTERS & SYMBOLS SHALL BE THERMOPLASTIC PAVEMENT MARKING.

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\AUSTINRL\dms86981\70256plansheets.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAIL SHEET

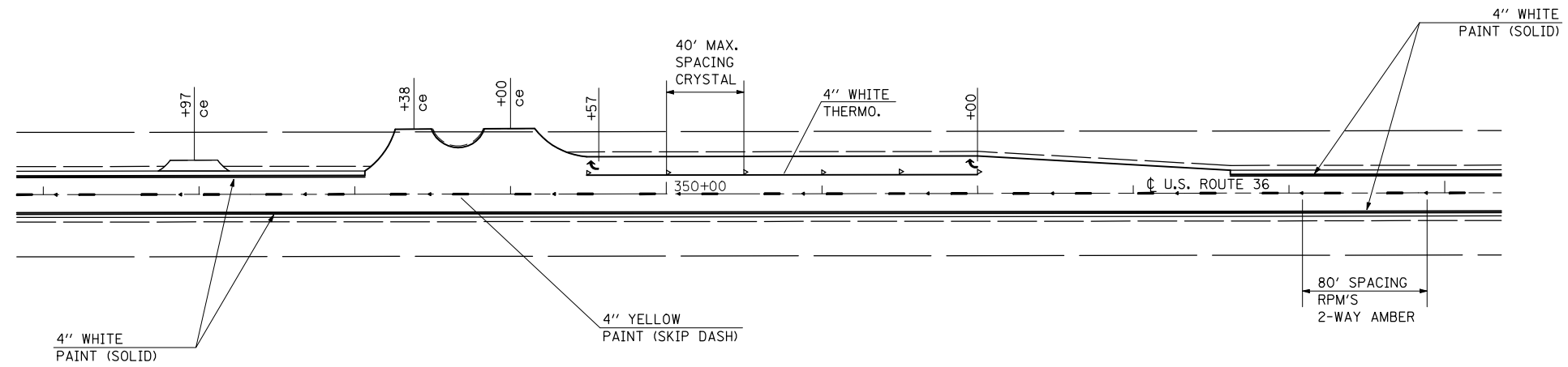
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323		(143,R,144)RS-3	*	56	48
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 70256		

• PIATT / DOUGLAS

PAVEMENT MARKING DETAIL

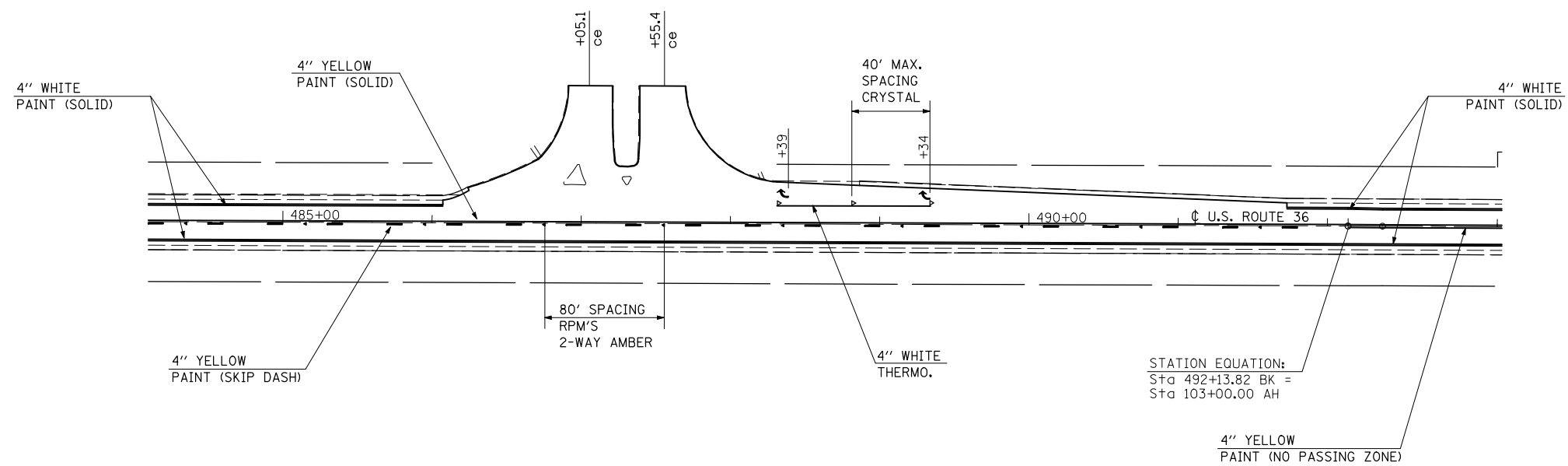
STA. 349 + 49 - 352 + 00



NOTE: ALL LETTERS & SYMBOLS SHALL BE THERMOPLASTIC PAVEMENT MARKING.

PAVEMENT MARKING DETAIL

STA. 488 + 31 - 489 + 34



NOTE: ALL LETTERS & SYMBOLS SHALL BE THERMOPLASTIC PAVEMENT MARKING.

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
ct:\pw\work\PIWIDOT\AUSTINRL\dms86981\70256plansheets.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAIL SHEET

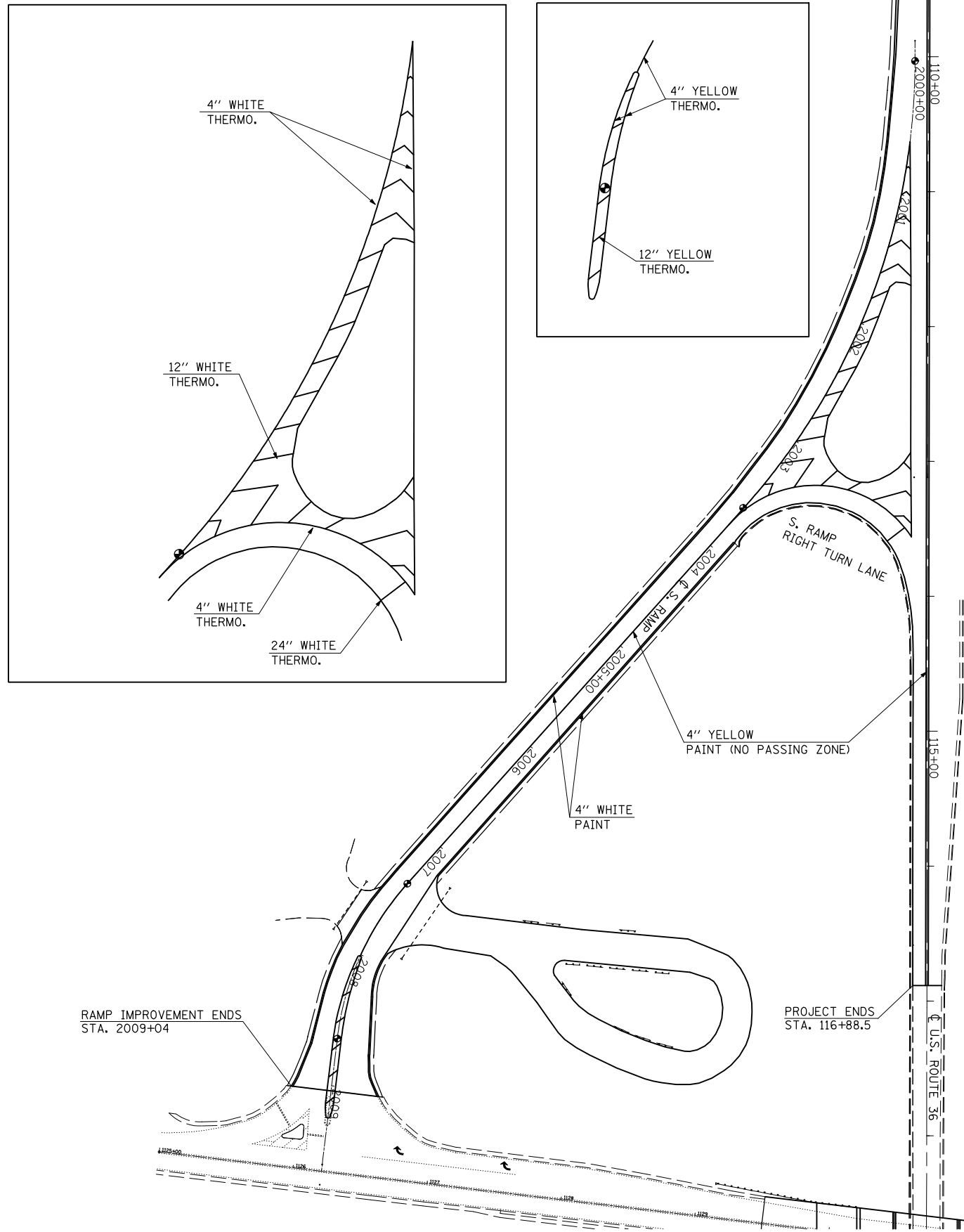
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-3	*	56	49
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70256	

• PIATT / DOUGLAS

PAVEMENT MARKING DETAIL

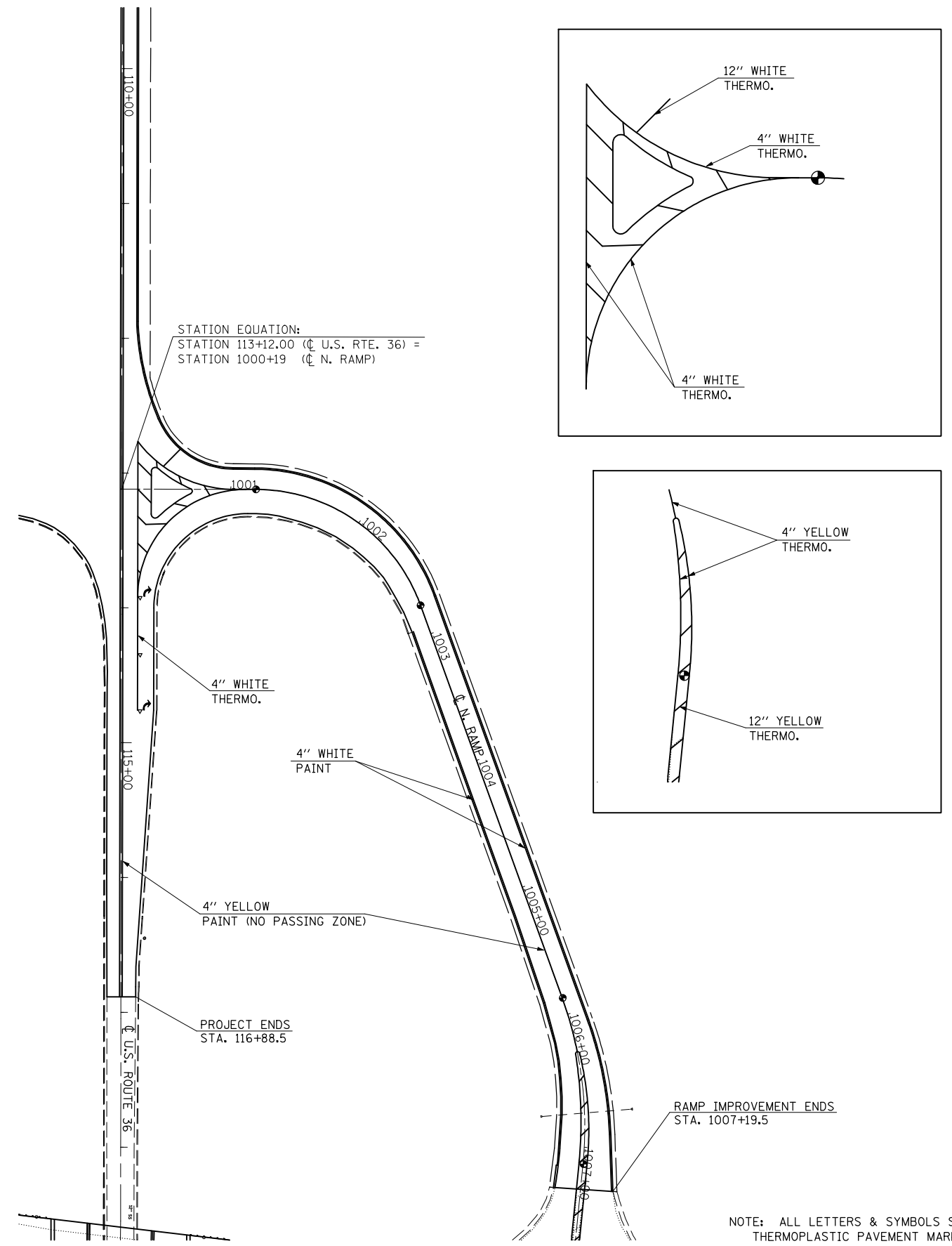
STA. 113+92 - 114+76



NOTE: ALL LETTERS & SYMBOLS SHALL BE THERMOPLASTIC PAVEMENT MARKING.

PAVEMENT MARKING DETAIL

STA. 113+92 - 114+76



STATION EQUATION:
 STATION 113+12.00 (C U.S. RTE. 36) =
 STATION 1000+19 (C N. RAMP)

NOTE: ALL LETTERS & SYMBOLS SHALL BE THERMOPLASTIC PAVEMENT MARKING.

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\AUSTINRL\dms86981\70256plansheets.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 1/23/2009		DATE -	REVISED -

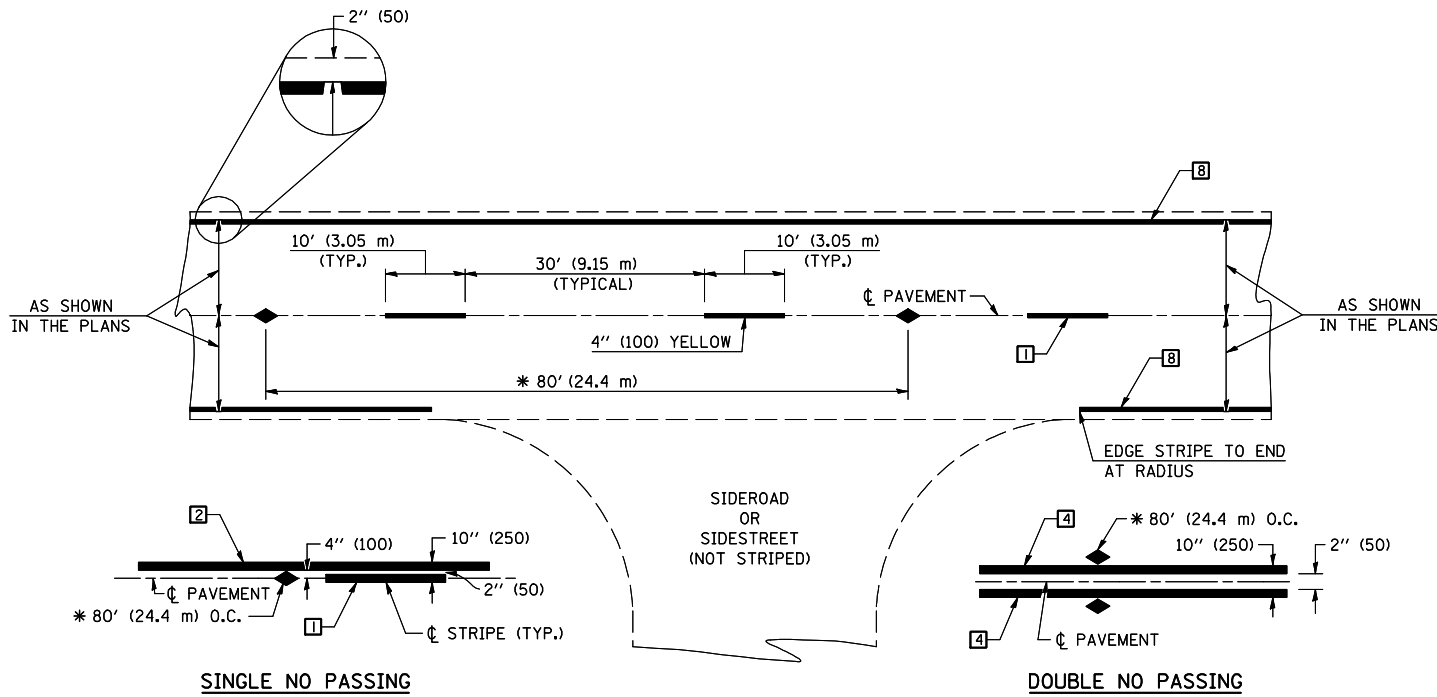
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAIL SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-3	*	56	50
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70256	

PIATT / DOUGLAS



* 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

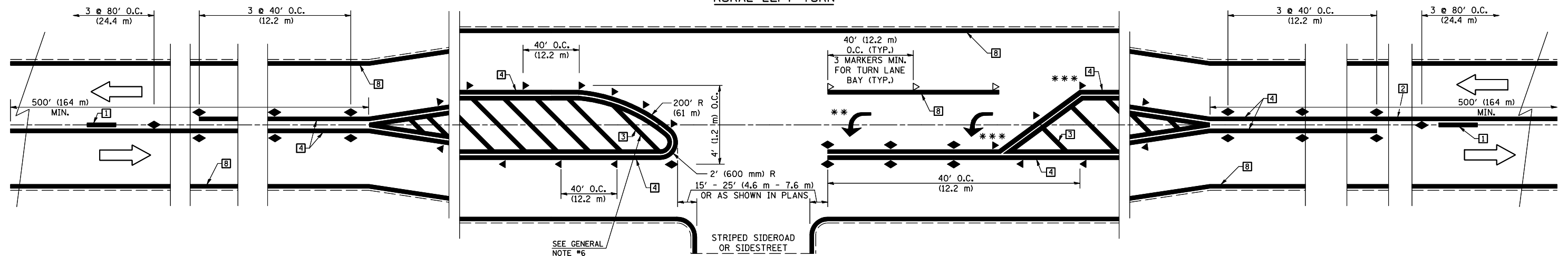
TYPICAL PAVEMENT MARKING LEGEND

- 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.

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED - 11/06
ct:\pw\work\PWIDOT\AUSTINRL\dms06981\70256DISTRICTDET.dgn	66DISTRICTDET.dgn	DRAWN -	REVISED -
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	PLOT DATE = 1/23/2009	DATE -	REVISED -

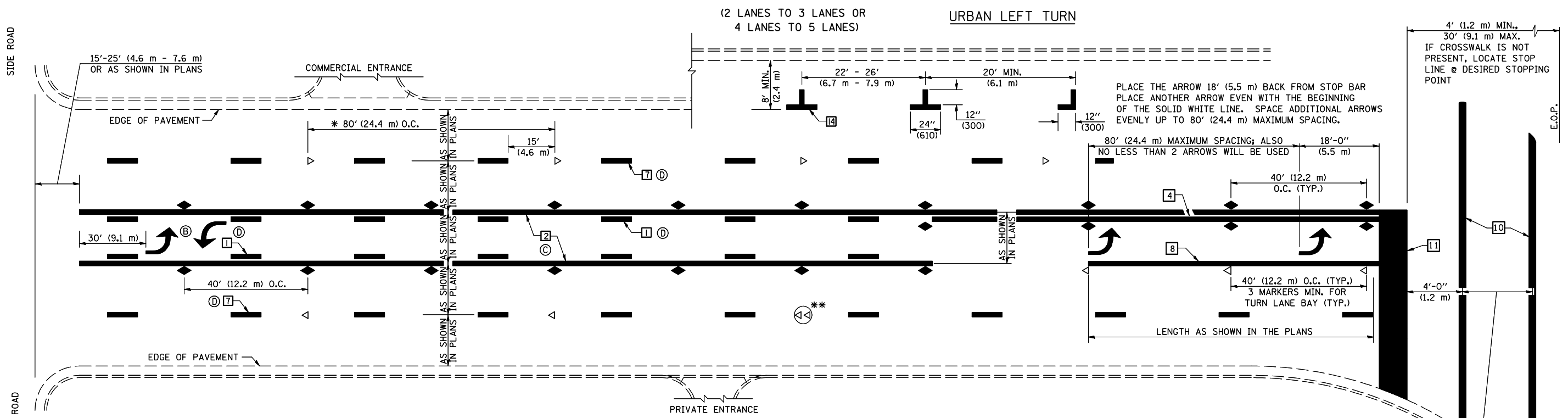
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

DISTRICT 5 DETAIL NO. 7800AAA

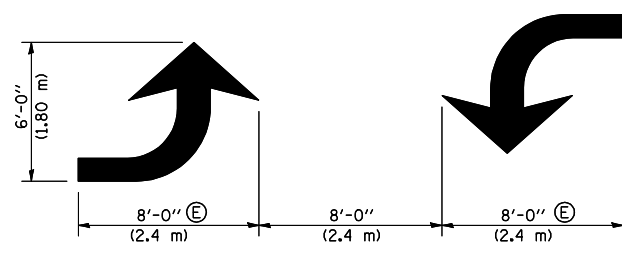
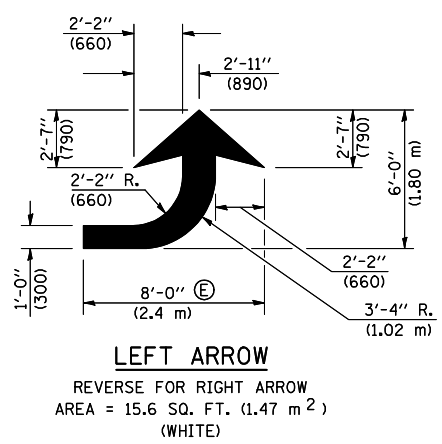
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4	*	56	51
* DOUGLAS & PIATT			CONTRACT NO. 70256	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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

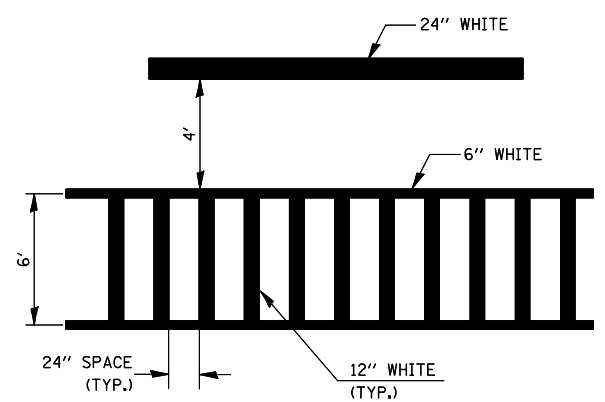
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

- 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)

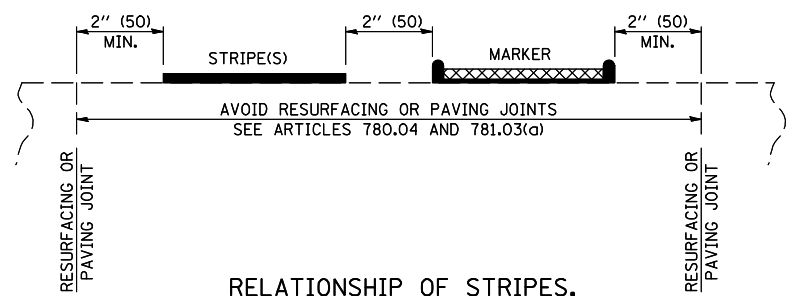


TYPICAL DOUBLE TURN ARROWS (WHITE)

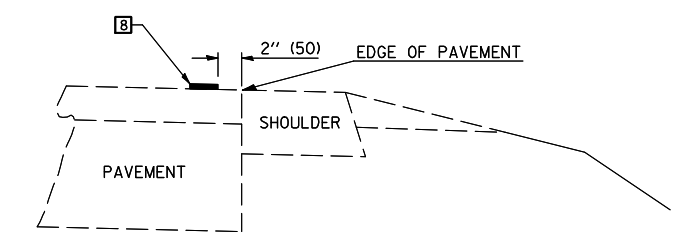
BLOOMINGTON-NORMAL CITY LIMITS ONLY



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

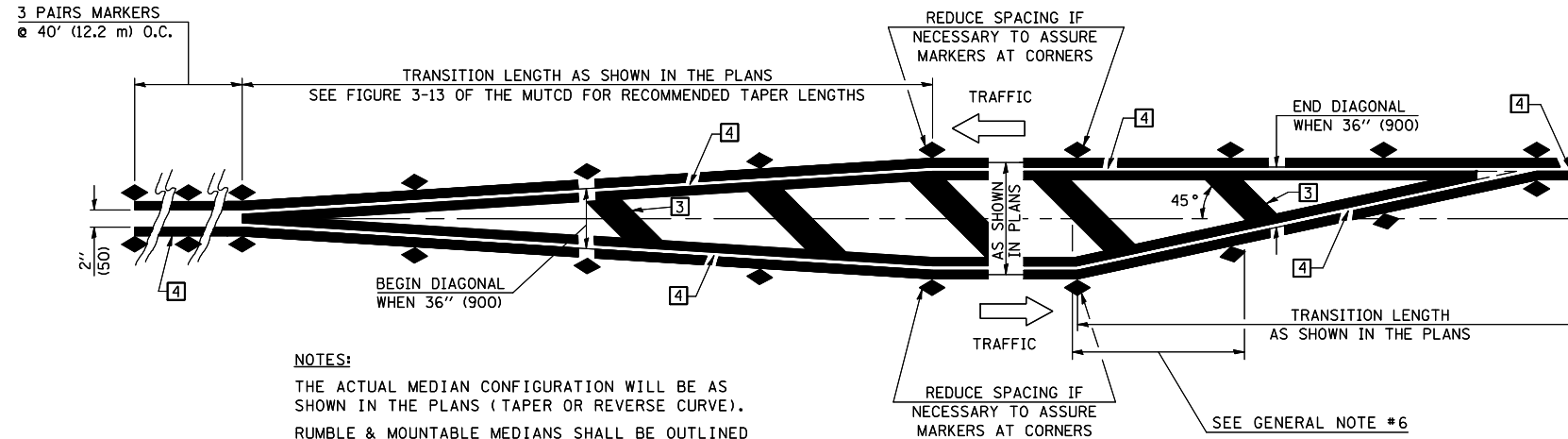
CROSSWALK WIDTH 6'-0" (1.8 m) OR AS SHOWN IN THE PLANS

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

FILE NAME =	USER NAME = austinr1	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\p\WIDOT\AUSTINRL\dms86981\70256\DISTRICTDET.dgn	PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -			323	(143,R,144)RS-4	*	56	52	
	PLOT DATE = 1/23/2009	CHECKED -	REVISED -			* DOUGLAS & PIATT CONTRACT NO. 70256					
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

DISTRICT 5 DETAIL NO. 7800AAA

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

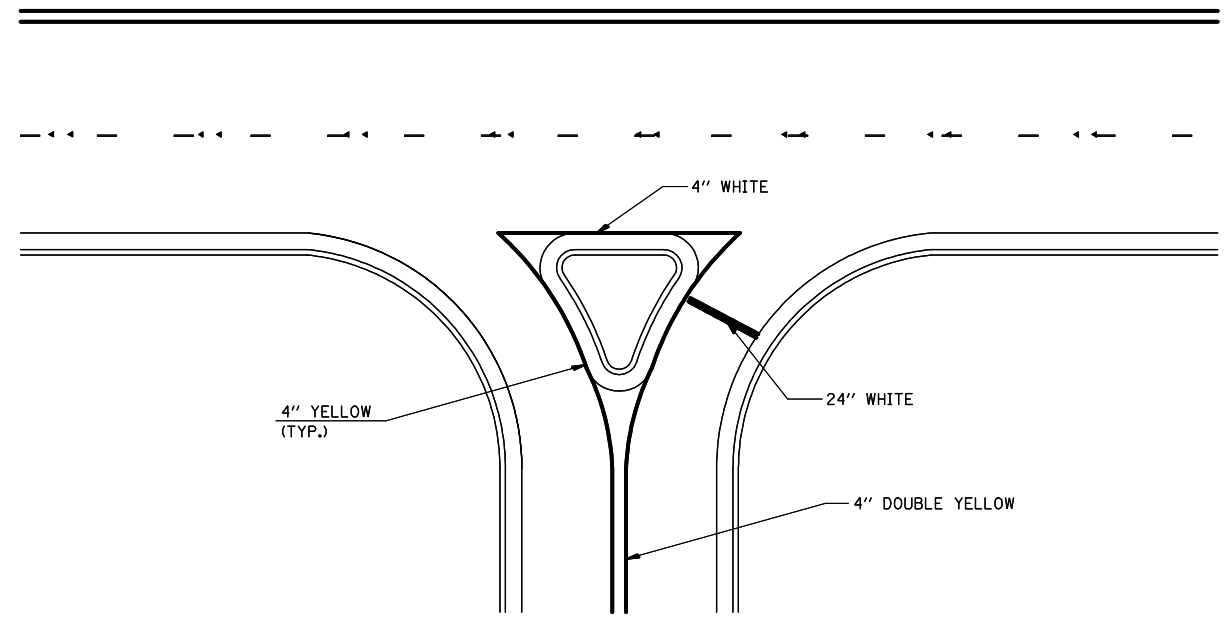


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

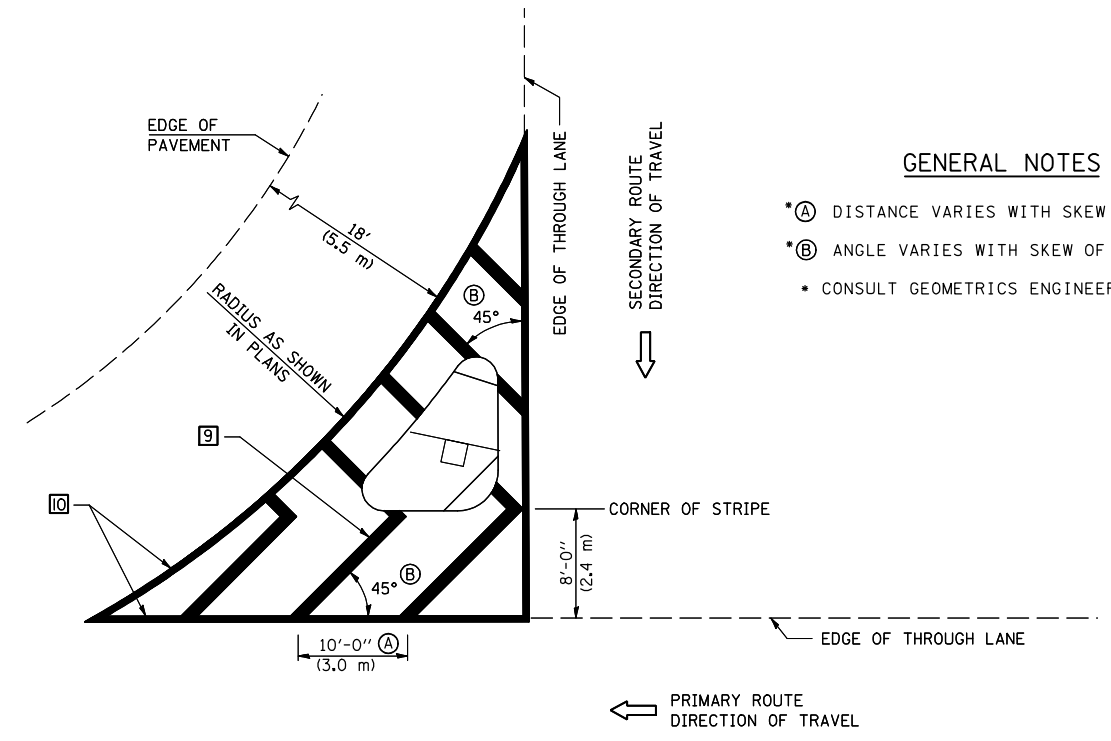
TYPICAL MEDIAN TRANSITIONS

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 = austinr1	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2009	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

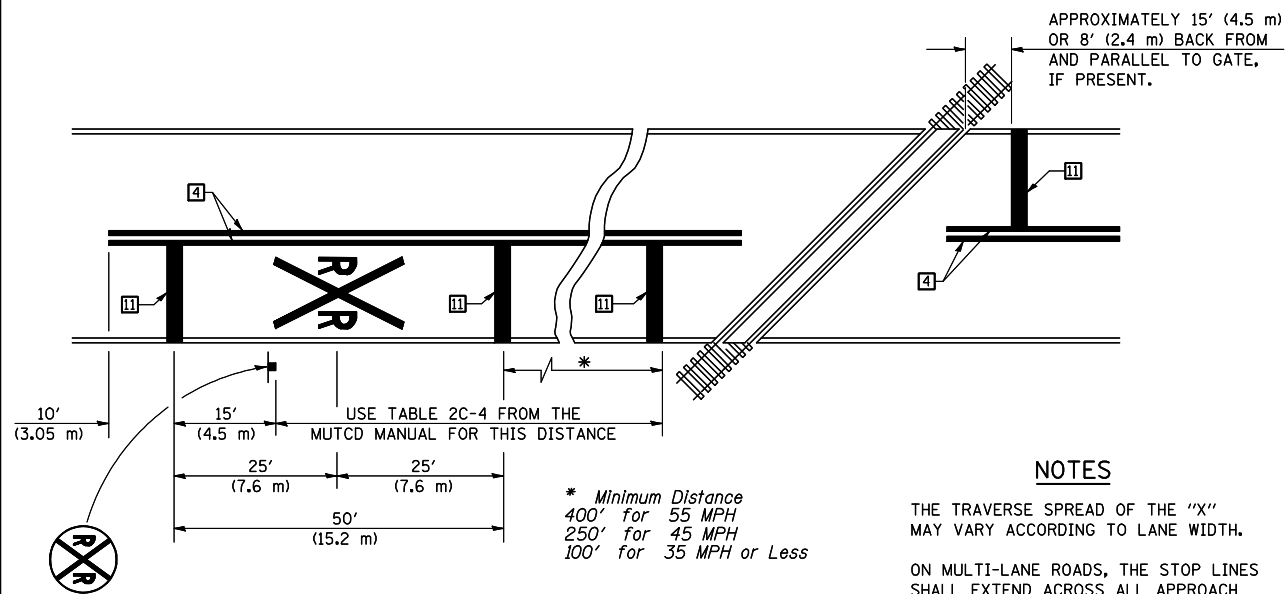
SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4	*	56	53
* DOUGLAS & PIATT		CONTRACT NO. 70256		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



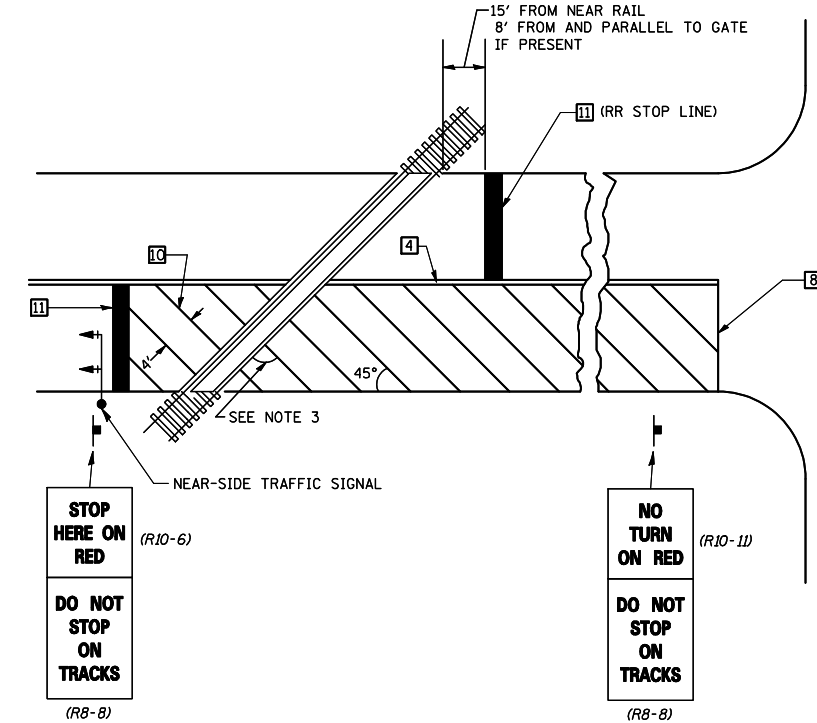
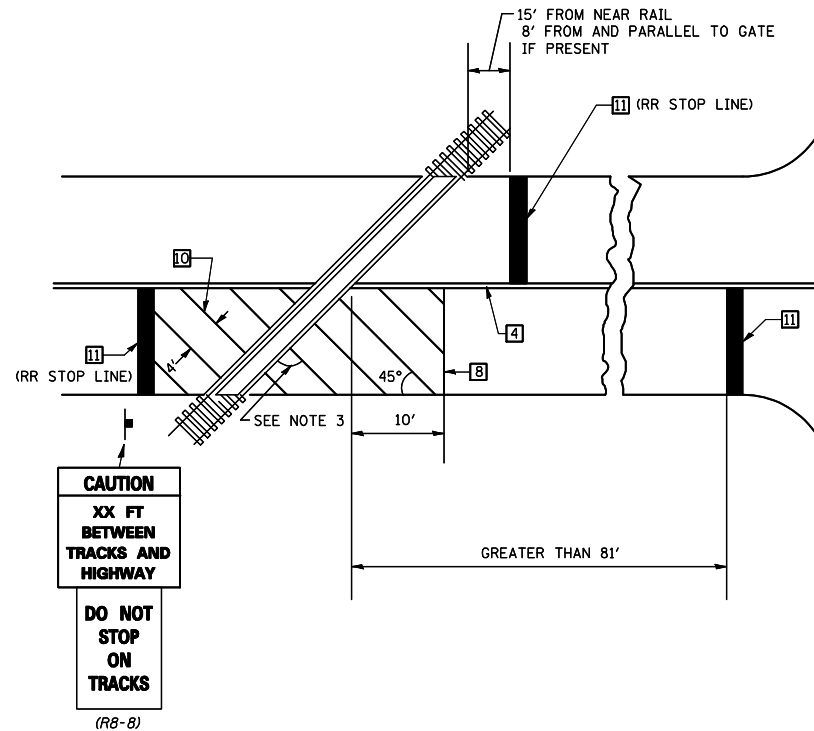
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

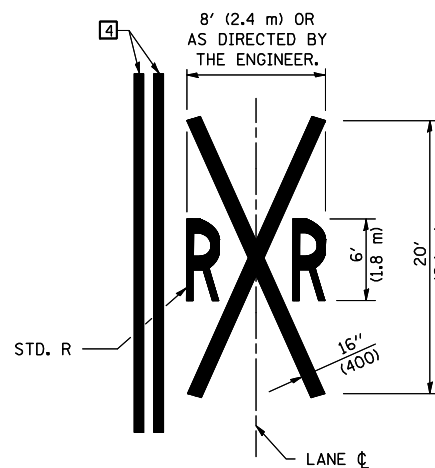
THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE R XR 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 = austinr1	DESIGNED -	REVISED - 11/06
ct:\pw\work\PWIDOT\AUSTINRL\dms86981\70256\DISTRICTDET.dgn	DESIGNED BY = austinr1	DRAWN -	REVISED -
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	PLOT DATE = 1/23/2009	DATE -	REVISED -

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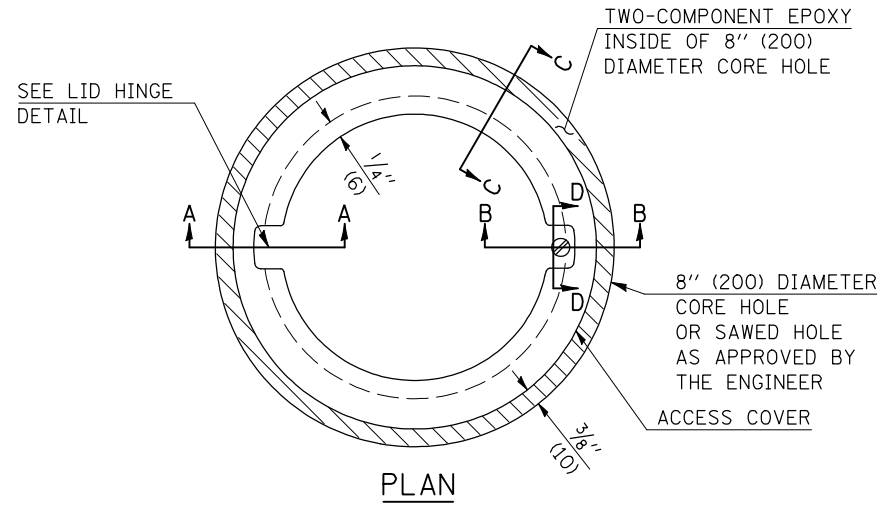
PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

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

DISTRICT 5 DETAIL NO. 7800AAAA

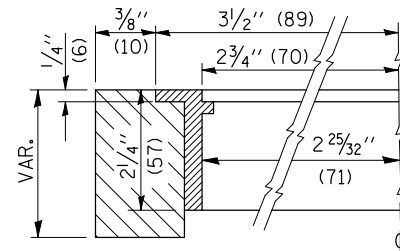
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4	*	56	54
* DOUGLAS & PIATT			CONTRACT NO. 70256	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)

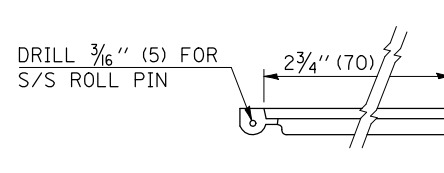


LEGEND

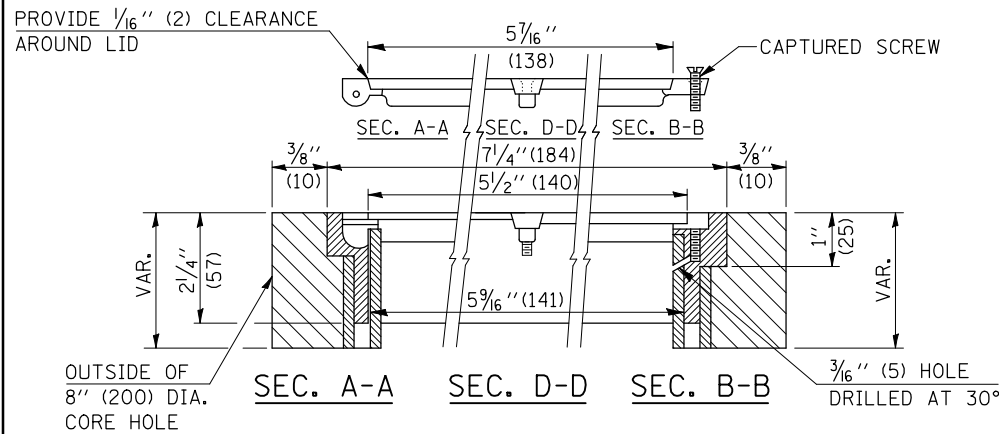
- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
- H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)



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-60IES. NO EXCEPTIONS.

RE-BAR-SURVEY MARKER, TYPE I, (SPECIAL) TO BE FURNISHED BY THE CONTRACTOR AND SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (SEE SPECIAL DETAIL SHEET FOR ALUMINUM TABLET AND RE-BAR SPECIFICATIONS).

BILL OF MATERIAL

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40, ALUMINUM TABLET, STAMPED IN ACCORDANCE WITH STANDARD 667101. 5/8" X 48" (#15 X 1.2 m) RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

GENERAL NOTES

1. ALUMINUM CASTING SHALL BE EITHER PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE.
2. BACKFILL WITH FINE AGGREGATE - FA-01/02.
3. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
4. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING, EPOXY AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. 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.
6. ALL SURVEY MARKER (VAULTS) SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
7. 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. X0301232

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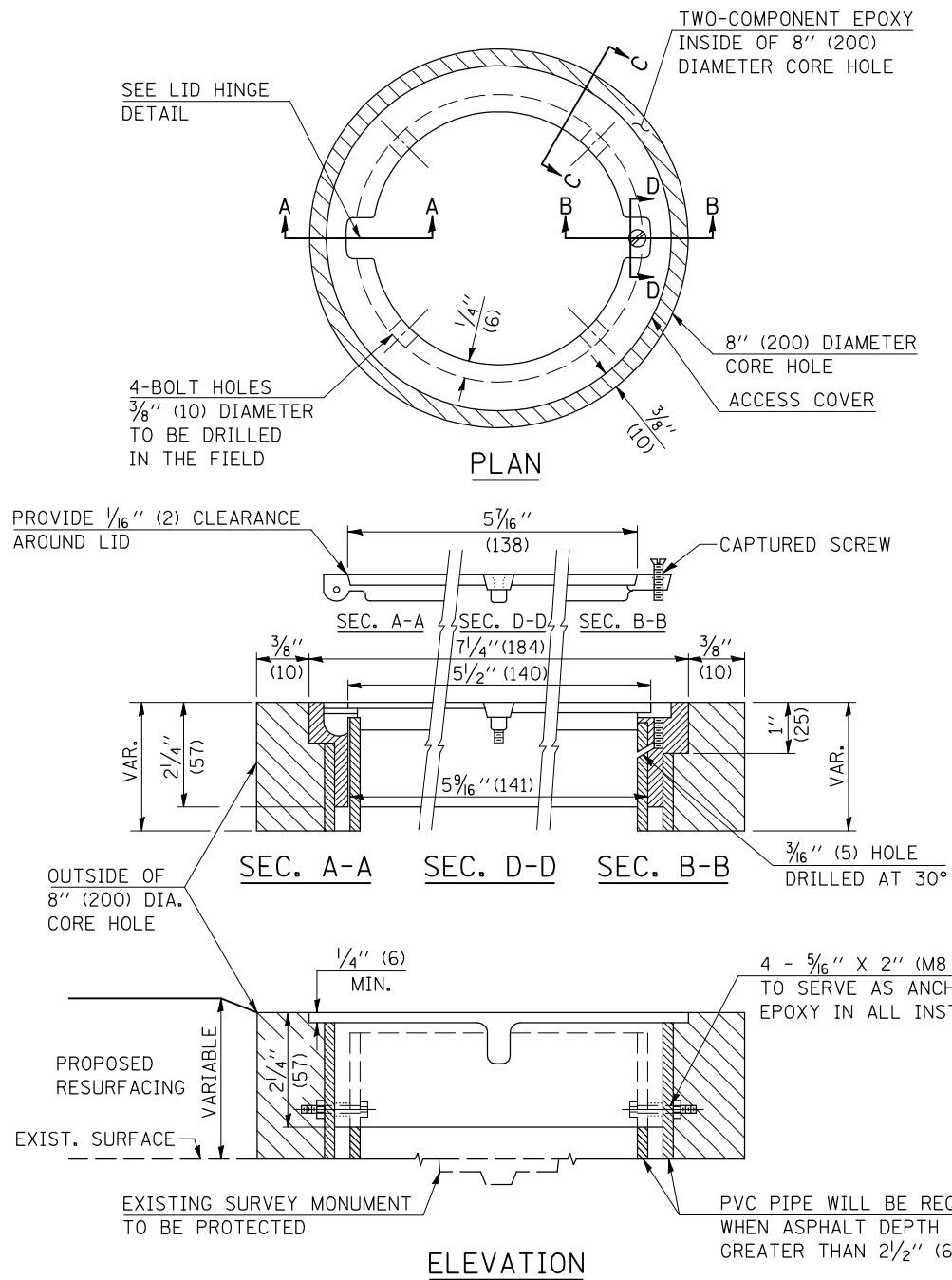
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SURVEY MARKER VAULT

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

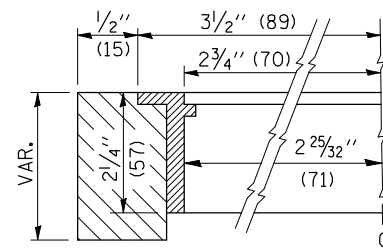
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4	*	56	55
* DOUGLAS & PIATT			CONTRACT NO. 70256	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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)

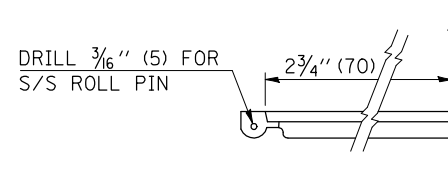


LEGEND

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



SECTION C-C



LID HINGE DETAIL

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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		DATE -	REVISED -

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DEPARTMENT OF TRANSPORTATION**

SURVEY MONUMENT COVER ASSEMBLY

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	(143,R,144)RS-4	*	56	56
* DOUGLAS & PIATT			CONTRACT NO. 70256	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				