

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

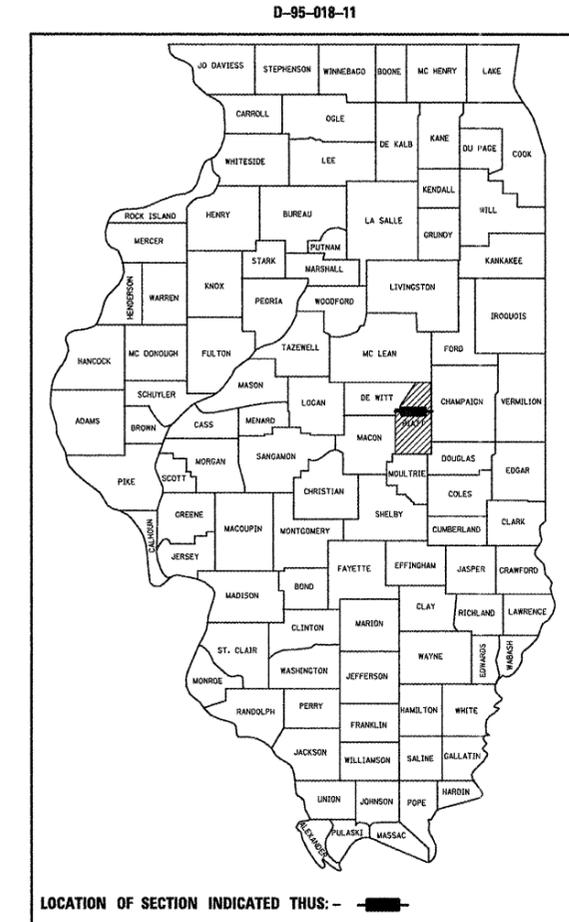
**PROPOSED
HIGHWAY PLANS**
FAU ROUTE 7533 (CISCO-MONTICELLO RD)
FAS ROUTE 1531 (CISCO-MONTICELLO RD)
SECTION (10,11)RS
MISCELLANEOUS
PIATT COUNTY
600E TO BRIDGE ST IN MONTICELLO

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10,11)RS	PIATT	18	1
		ILLINOIS	CONTRACT NO. 70921	

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

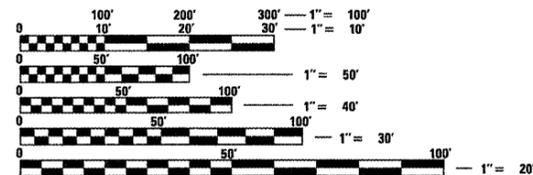
STRUCTURE INFORMATION

S.N.	SCOPE OF WORK
074-2006	HMA RESURFACING(2.5")
074-8058	HMA RESURFACING(2.5")



C-95-018-11

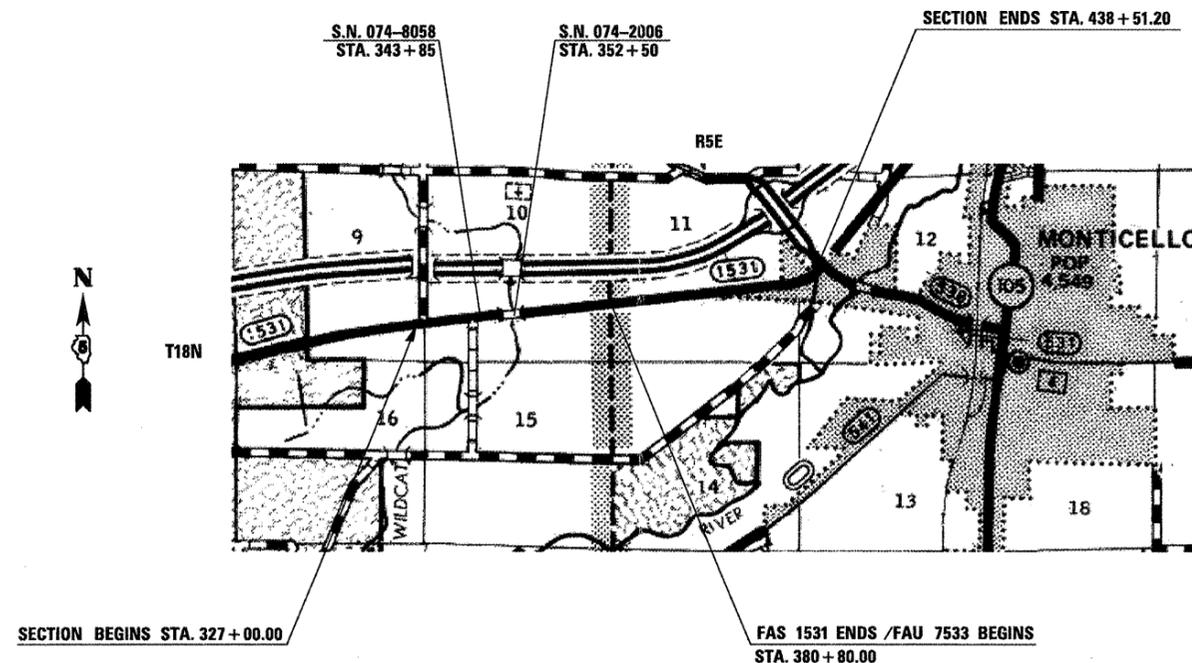
CURRENT ADT	
MAJOR COLLECTOR	
FAS 1531 (CISCO - MONTICELLO RD) = 2000 (2010)	
SU = 4.4% MU = 0.7%	



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	TOWNSHIPS
OR 811	MONTICELLO, BRANCH

PROJECT ENGINEER: NANCY FASIG
SQUAD LEADER: STEVE COOMBES
(217) 465-4181
CONTRACT NO. 70921



GROSS LENGTH = 11,151.2 FT. = 2.112 MILE
NET LENGTH = 11,151.2 FT. = 2.112 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 3/11 20 11

Scott E. Stitt
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13 20 11
Scott E. Stitt, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 13 20 11
Christopher 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 & LIST OF HIGHWAY STANDARDS
3	GENERAL NOTES
4	SUMMARY OF QUANTITIES
5 - 7	EXISTING & PROPOSED TYPICAL CROSS SECTIONS
8	SCHEDULE OF QUANTITIES
9	CENTERLINE TIE POINTS
10	BUTT JOINT DETAILS
11	DETAIL OF FEATHEREDGE RUNDOWN
12	DETAIL OF PRIVATE AND COMMERCIAL ENTRANCES
13	DETAIL OF SIDEROAD AND SIDESTREETS
14 - 17	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
18	SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

LIST OF HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
667101-01	PERMANENT SURVEY MARKERS
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 M.P.H.
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & HIGHWAY STANDARDS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\coombessf\0254836\0254836.dgn	70921-sht-gennotes.dgn	DRAWN -	REVISED -			1531	(10,11)RS	PIATT	18	2
PLOT SCALE = 40.0000' / 1" IN.	CHECKED -	REVISED -						CONTRACT NO. 70921		
PLOT DATE = 3/2/2011	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
										ILLINOIS FED. AID PROJECT

GENERAL NOTES

G.N.-100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-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(s):	FAS 1531	FAS 1531
Mixture Use(s):	SURFACE / INCIDENTAL / HMA SHLDRS	F.G. LEVEL BINDER
AC/PG:	PG 64-22	PG 64-22
RAP %: (Max)**	15%	25%
Design Air Voids:	4.0% @ NDES = 50	4.0% @ NDES = 50
Mixture Composition: (Gradation Mixture)	IL 9.5	IL 9.5 FG
Friction Aggregate:	MIX C	MIX C

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

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

COMMITMENTS:
THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\coombessf\d0254836\05	70921-shr-gennote.dgn	DRAWN -	REVISED -			1531	(10,11)RS	PIATT	18	3	
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISOR -	DATE -			CONTRACT NO. 70921					
PLOT DATE = 3/2/2011	DATE -	REVISOR -	DATE -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

SUMMARY OF QUANTITIES

LOCATION OF WORK:	PIATT CO.	PIATT CO.
	FAS 1531	FAU 7533
	MONTICELLO - CISCO RD	MONTICELLO - CISCO RD
	2 LANE	2 LANE
	RURAL	URBAN
	STA. 327+00 TO STA. 380+80	STA. 380+80 TO STA. 438+51.2
FUNDING BREAKOUT:	100 % STATE	100 % STATE
CONSTRUCTION TYPE CODE:	0005	0005

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5,452.0	2,630.0	2,822.0
40600300	AGGREGATE (PRIME COAT)	TON	109.0	53.0	56.0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	519.0		519.0
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	517.0	328.0	189.0
40600990	TEMPORARY RAMP	SQ YD	39.0	12.5	26.5
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	2,316.0	1,117.0	1,199.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	78.0	43.0	35.0
40800030	AGGREGATE (PRIME COAT)	TON	2.0	1.0	1.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	75.0	41.0	34.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,701.0	825.0	876.0
48203007	HOT-MIX ASPHALT SHOULDERS, 2 1/2"	SQ YD	147.0		147.0
67100100	MOBILIZATION	L SUM	1.0	0.5	0.5
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	0.5	0.5
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20.0	10.0	10.0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,230.0	1,084.0	1,146.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	25,090.0	12,204.0	12,886.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	368.0	179.0	189.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	25,090.0	12,204.0	12,886.0
X4060627	LEVELING BINDER (MACHINE METHOD) IL-9.5 FG, N50	TON	1,574.0	763.0	811.0
XZ193400	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	4.0	2.0	2.0

* SPECIALTY ITEMS

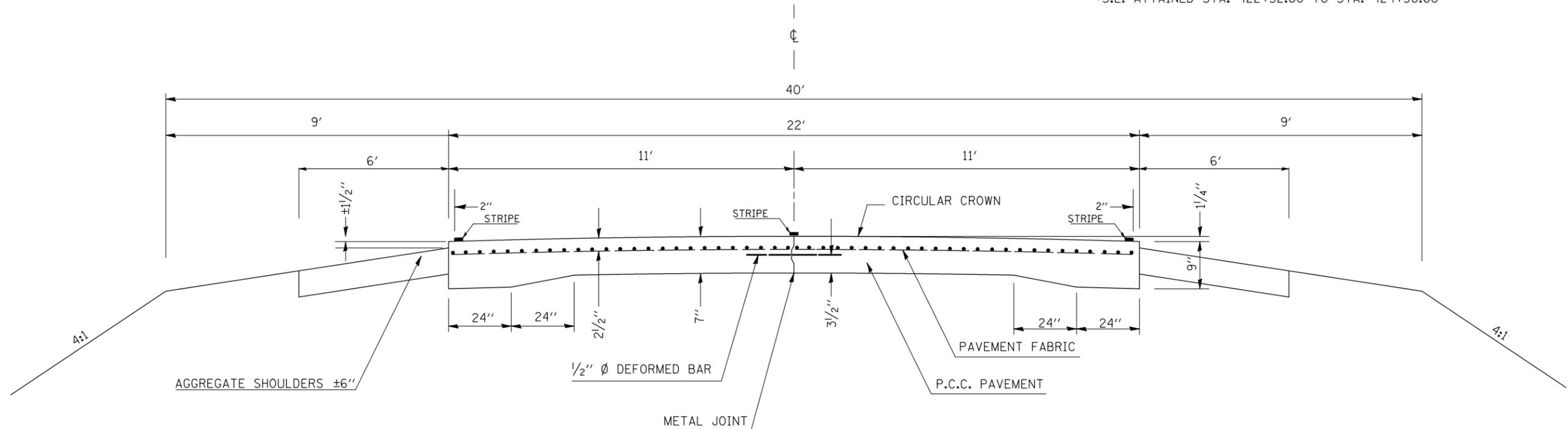
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		CHECKED -	REVISED -			CONTRACT NO. 70921					
		DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

EXISTING TYPICAL CROSS SECTION 1

FAS 1531 (OLD IL 47)

STATION 327+00.00 TO STATION 424+36.60*

*S.E. ATTAINED STA. 422+52.60 TO STA. 424+36.60

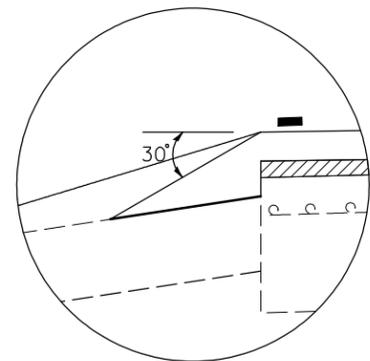


PROPOSED TYPICAL CROSS SECTION 1

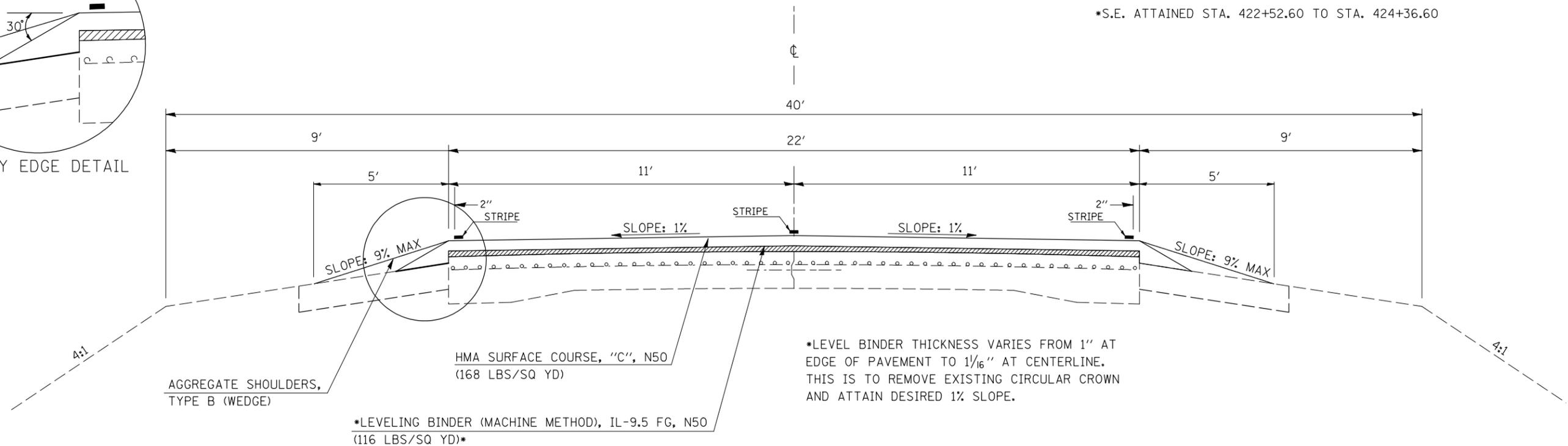
FAS 1531 (OLD IL 47)

STATION 327+00.00 TO STATION 424+36.60*

*S.E. ATTAINED STA. 422+52.60 TO STA. 424+36.60



SAFETY EDGE DETAIL



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/2/2011		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

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

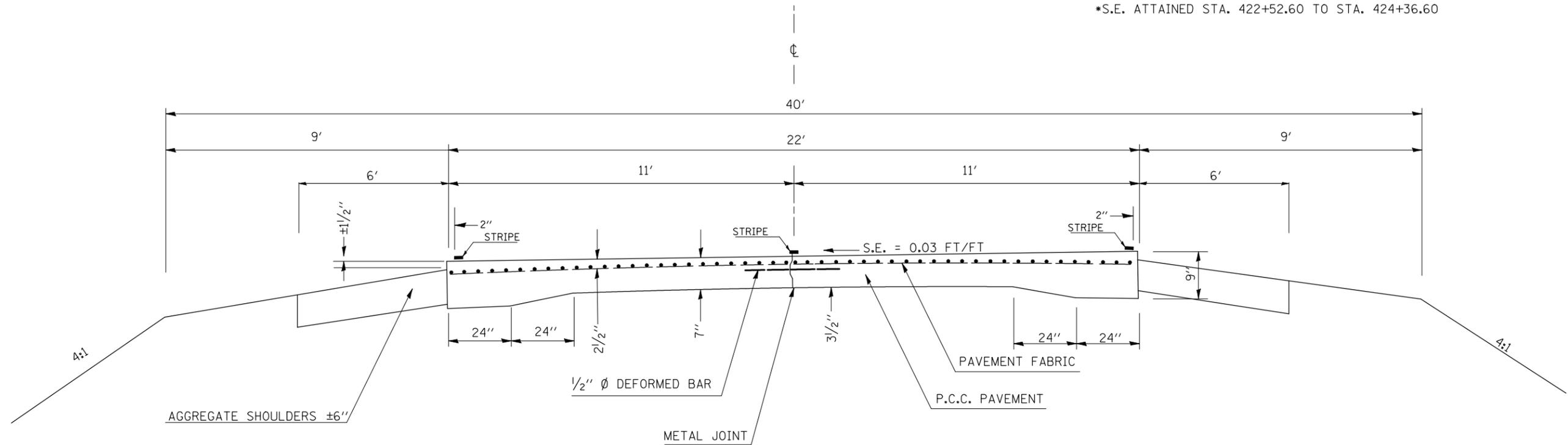
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10,11)RS	PIATT	18	5
CONTRACT NO. 70921				
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL CROSS SECTION ②

FAS 1531 (OLD IL 47)

STATION TO STATION
① 424+36.60* TO 437+16.20 ②

*S.E. ATTAINED STA. 422+52.60 TO STA. 424+36.60

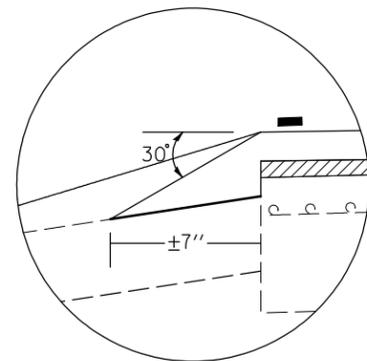


PROPOSED TYPICAL CROSS SECTION ②

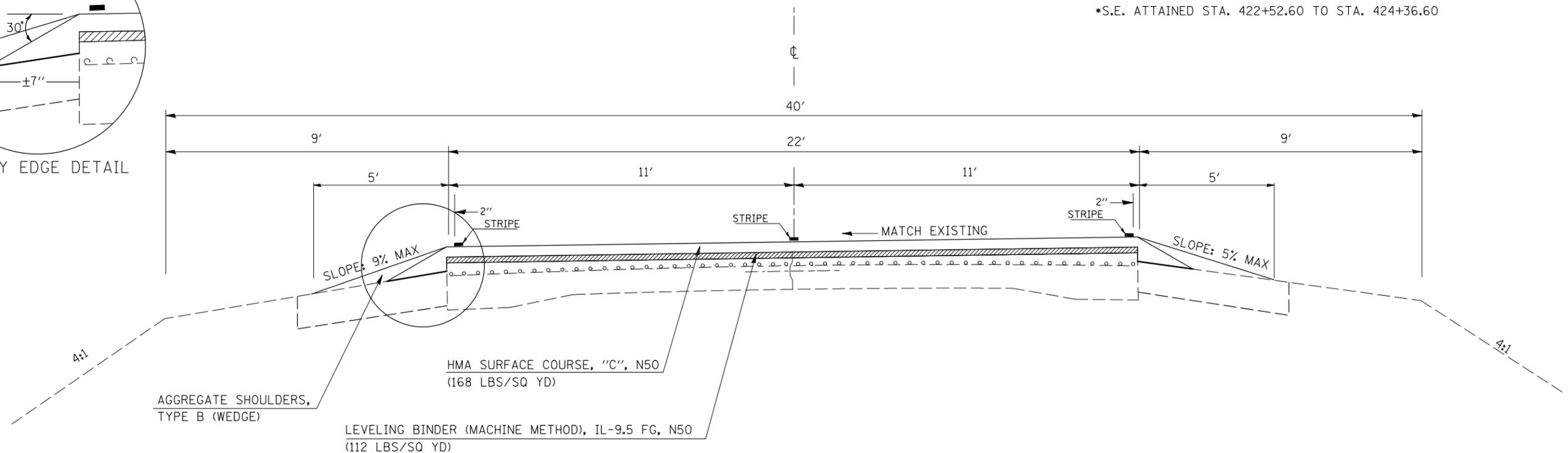
FAS 1531 (OLD IL 47)

STATION TO STATION
① 424+36.60* TO 437+16.20 ②

*S.E. ATTAINED STA. 422+52.60 TO STA. 424+36.60



SAFETY EDGE DETAIL



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	PLOT DATE = 3/2/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL CROSS SECTIONS

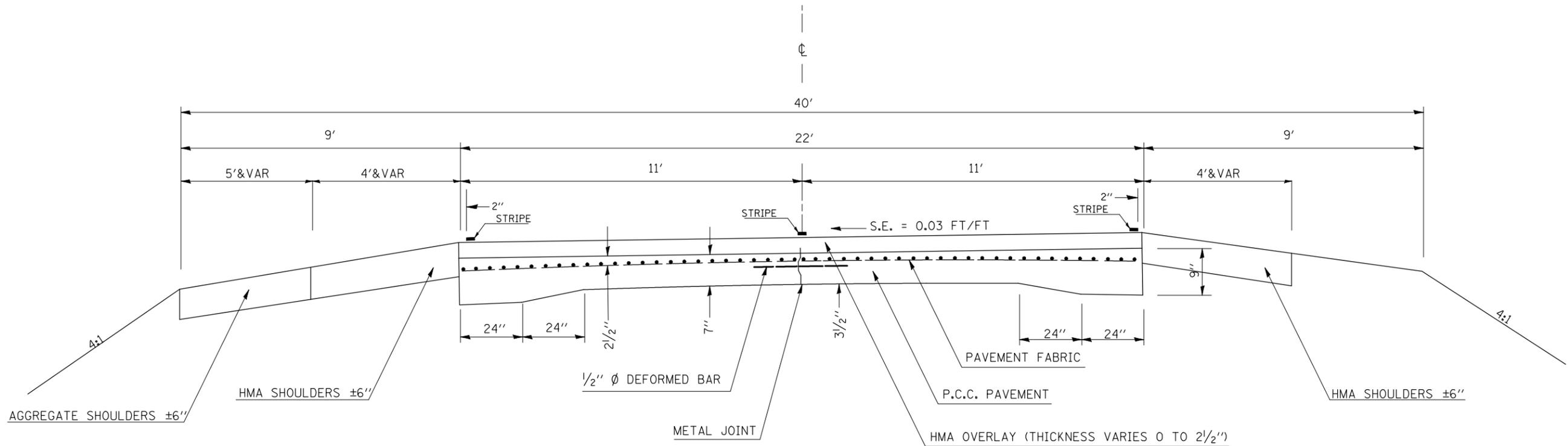
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10,11)RS	PIATT	18	6
CONTRACT NO. 70921			ILLINOIS FED. AID PROJECT	

EXISTING TYPICAL CROSS SECTION 3

FAS 1531 (OLD IL 47)

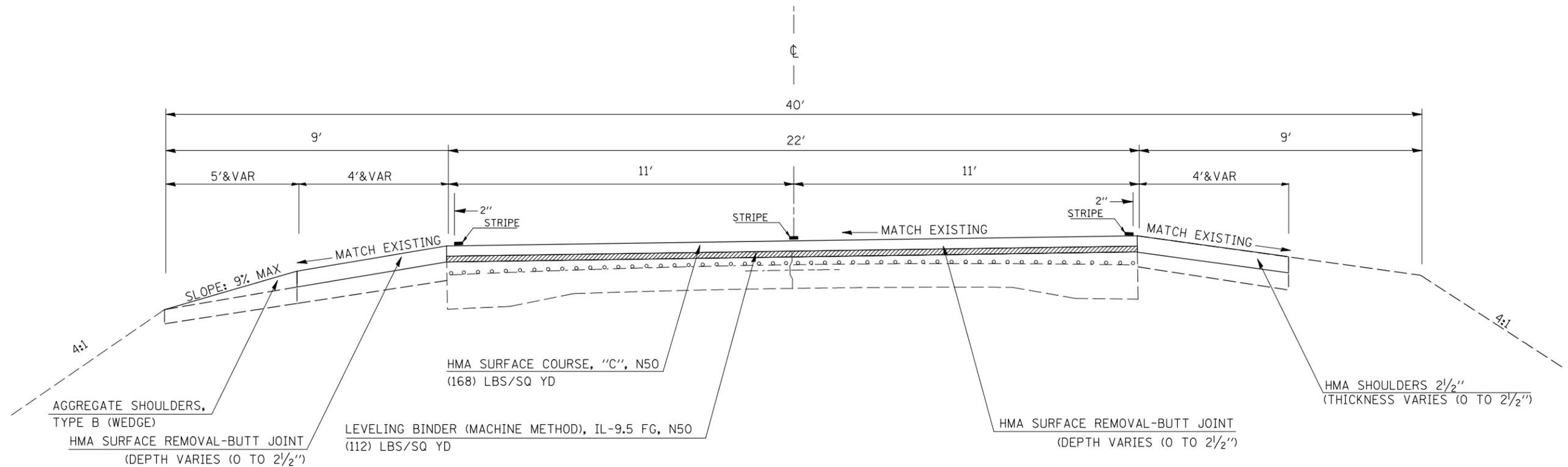
STATION ② 437+16.20 TO STATION 438+51.20



PROPOSED TYPICAL CROSS SECTION 3

FAS 1531 (OLD IL 47)

STATION ② 437+16.20 TO STATION 438+51.20



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	PLOT DATE = 3/4/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL CROSS SECTIONS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10,11)RS	PIATT	18	7
CONTRACT NO. 70921				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

SCHEDULE OF MAINLINE RESURFACING QUANTITIES											
LOCATION				WIDTH	LENGTH	AREA	40600100	40600300	X4060627	40603310	
							BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MM) IL-9.5 FG, N50 1.0 IN	HMA SURFACE COURSE 1.5 IN	
STA.	327+00.00	TO	STA.	438+51.20	FT	FT	SQ YD	GAL	TON	TON	
					22.0	11,151.2	27,258.5	5,451.7	109.0	1,574.0	2,315.6
TOTAL =							5,451.7	109.0	1,574.0	2,316.0	
USE =							5,452.0	109.0	1,574.0	2,316.0	

40600982 HMA SURFACE REMOVAL-BUTT JOINT					
STATION	TO	STATION	LENGTH (FOOT)	AVE. WIDTH (FOOT)	AREA (SQ YD)
437+16.18	TO	438+51.20	135.0	32.9	493.6
TOTAL =					493.6
USE =					494.0

SCHEDULE OF INCIDENTAL RESURFACING AT SIDE ROADS									
SIDE ROAD	STATION	AVERAGE WIDTH (FT)	DEPTH (FT)	AREA (SQ FT)	AREA (SQ YD)	40800050	40600985	40800010	40800030
						INCIDENTAL HMA SURFACE (TON)	PCC SURF. REM. BUTT JOINT (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (GAL)	AGGREGATE (PRIME COAT) (TON)
600E	327+43.00	78.3	10.0	783.0	87.0	6.1		8.7	0.2
625E	340+82.50	79.5	10.0	794.7	88.3	6.2		8.8	0.2
GREEN APPLE LN	405+84.60	98.1	6.0	588.6	65.4	7.3	65.4	6.5	0.1
WESTWOOD DR	430+76.20	57.5	10.0	575.1	63.9	4.5		6.4	0.1
WESTWOOD DR	434+74.00	65.7	10.0	657.0	73.0	5.1		7.3	0.2
TOTAL =						29.2	65.4	37.7	0.8
USE =						30.0	66.0	38.0	1.0

40600990 TEMPORARY RAMP			
STATION	WIDTH (FOOT)	LENGTH (FOOT)	AREA (SQ YD)
327+00.00	22.0	5.0	12.2
438+51.20	28.3	8.3	26.2
TOTAL =			38.4
USE =			39.0

STATION	XZ193400 SURVEY MARKER TY 2, (SPECIAL) (EACH)	
339+92.85	1.0	
364+99.09	1.0	
385+02.28	1.0	
423+44.66	1.0	
TOTAL =		4.0

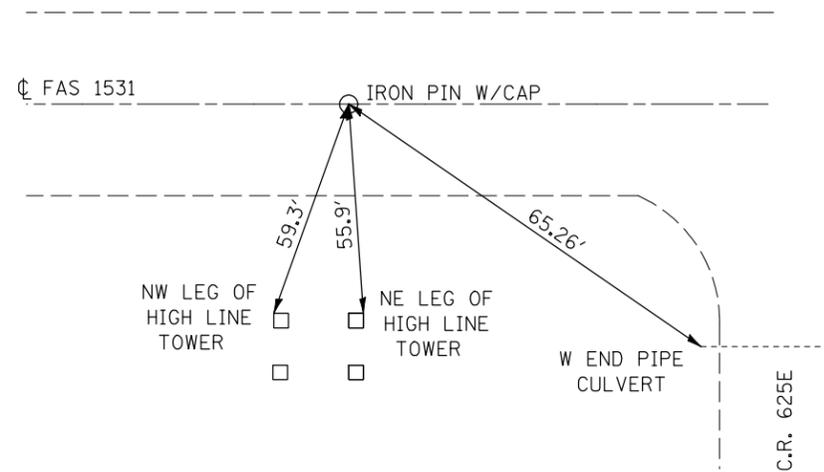
SCHEDULE OF INCIDENTAL RESURFACING AT ENTRANCES										
SIDE	STATION	TYPE	AVERAGE WIDTH (FT)	DEPTH (FT)	AREA TO RESURF. (SQ YD)	40800050	40600982	40600985	40800010	40800030
						INCIDENTAL HMA SURFACE (TON)	HMA SURF. REM. BUTT JT. (SQ YD)	PCC SURF. REM. BUTT JT. (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (GAL)	AGGREGATE (PRIME COAT) (TON)
LT	370+18.10	CE	43.0	10.0	47.7	5.4		47.7	4.8	0.1
LT	372+33.10	CE	107.7	10.0	119.7	13.4		119.7	12.0	0.24
LT	373+84.10	CE	78.4	10.0	87.1	9.8		87.1	8.7	0.17
LT	406+64.20	CE	22.1	10.0	24.5	2.8	24.5		2.5	0.05
RT	422+58.80	CE	58.9	7.0	45.8	5.1		45.8	4.6	0.09
RT	426+55.40	PE	29.8	14.5	48.0	5.4		48.0	4.8	0.1
RT	428+63.10	PE	22.6	11.7	29.4	3.3		29.4	2.9	0.06
TOTAL =						45.2	24.5	377.7	40.2	0.8
USE =						45.0	25.0	378.0	40.0	1.0

48102100 AGGREGATE WEDGE SHOULDER, TYPE B					
SIDE	STATION	TO	STATION	LENGTH (FOOT)	SHLDRS (TON)
LT	327+00.00	TO	438+61.00	11,161.0	855.7
RT	327+00.00	TO	437+16.00	11,016.0	844.6
TOTAL =					1,700.2
USE =					1,701.0

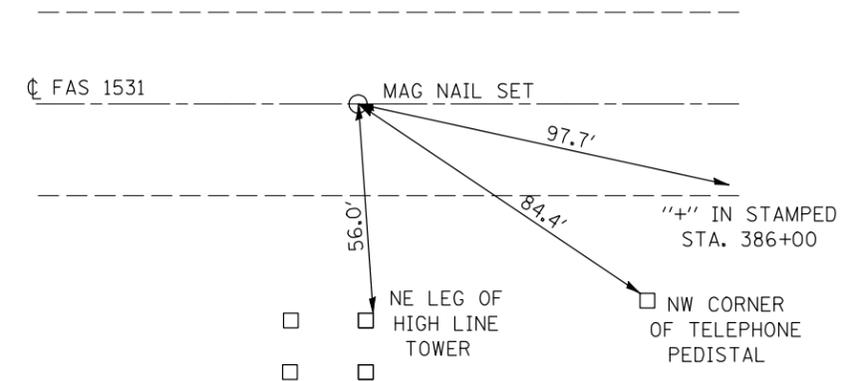
48203007 HOT-MIX ASPHALT SHOULDERS, 2 1/2"					
SIDE	STATION	TO	STATION	LENGTH (FOOT)	SHLDRS (SQ YD)
LT	437+16.18	TO	438+51.20	135.0	79.6
RT	437+16.18	TO	438+51.20	135.0	67.1
TOTAL =					146.7
USE =					147.0

PAVEMENT MARKING SCHEDULE																							
78001110						70300220						70300100				70301000							
PAINT PAVEMENT MARKING - LINE 4"						TEMPORARY PAVEMENT MARKING - LINE 4"						SHORT TERM PAVEMENT MARKING				WORK ZONE PAVEMENT MARKING REMOVAL							
SIDE	STATION	TO	STATION	(FEET)	(WHITE) (FOOT)	(YELLOW) (FOOT)	SIDE	STATION	TO	STATION	(FEET)	(WHITE) (FOOT)	(YELLOW) (FOOT)	STATION	TO	STATION	APPS	LENGTH (FOOT)	STATION	TO	STATION	(FOOT)	AREA (SQ FT)
RT	327+00.00	TO	438+51.20	11,151.2	11,151.2		RT	327+00.00	TO	438+51.20	11,151.2	11,151.2											
TOTAL =					22302.4	2787.8	TOTAL =					22302.4	2787.8	TOTAL =				2230.2	3679.9				
USE =					22302.0	2788.0	USE =					22302.0	2788.0	USE =				2230.0	368.0				
TOTAL LENGTH =					25090.0					TOTAL LENGTH =					25090.0								

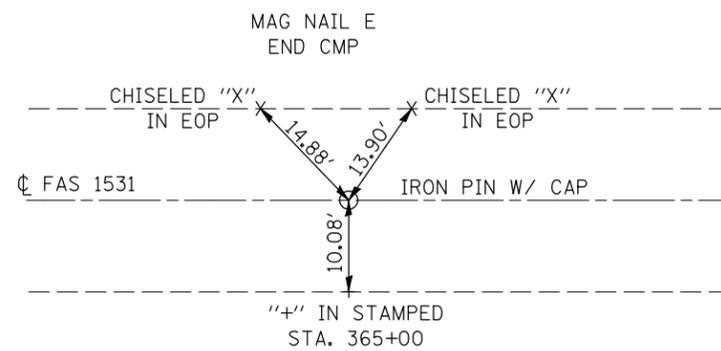
P.O.T. #1
STA. 339 + 92.85



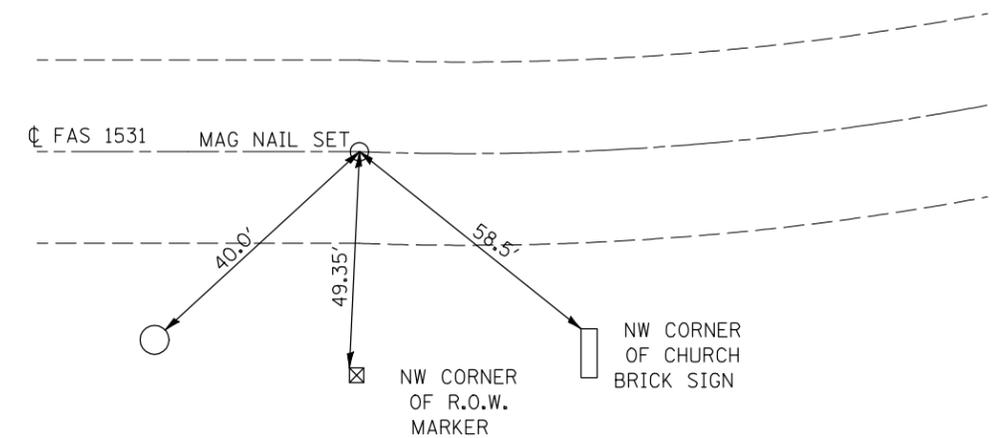
P.I. KINK #1146
STA. 385 + 02.28



P.I. KINK #2
STA. 364 + 99.09



P.C. CURVE #3
STA. 423 + 44.66



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
ct:\pw\work\p\dot\coombessf\d0254836\0570921-sht-ATB.dgn	70921-sht-ATB.dgn	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 3/2/2011	DATE -	REVISED -	REVISED -

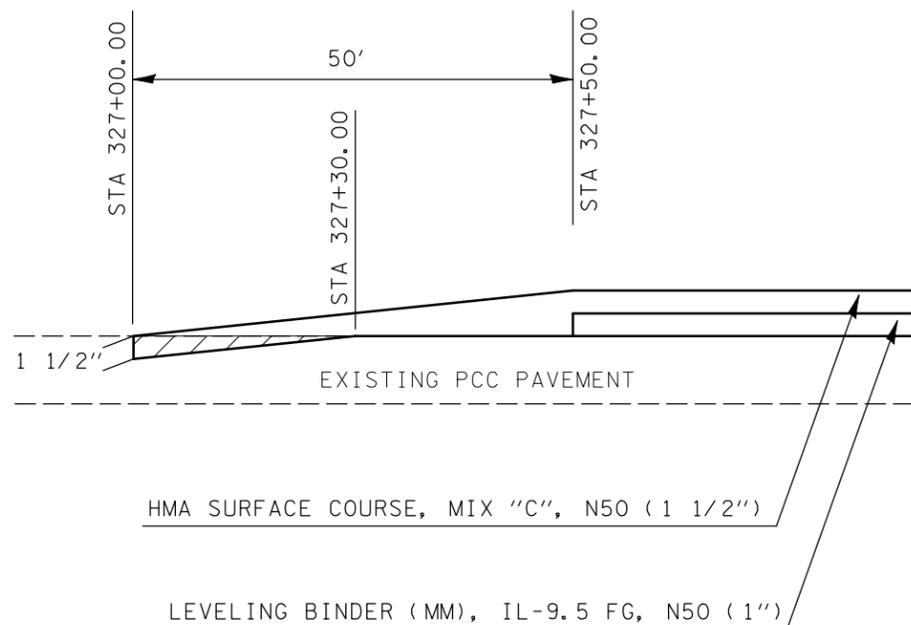
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CENTERLINE TIE POINTS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10,11)RS	PIATT	18	9
CONTRACT NO. 70921			ILLINOIS FED. AID PROJECT	

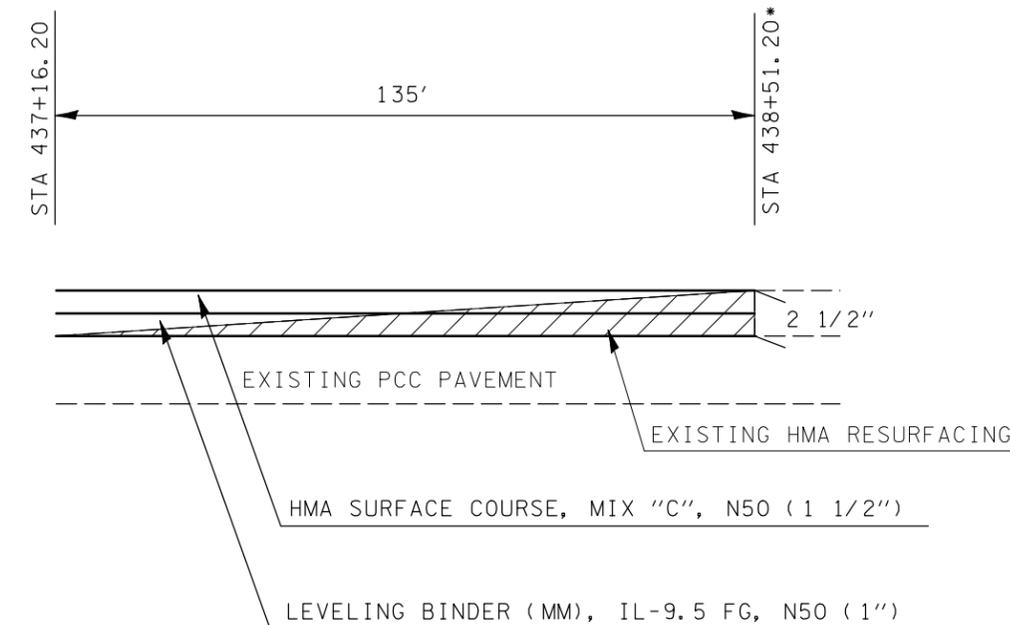
BUTT JOINT DETAILS

BUTT JOINT AT BEGINNING OF PROJECT



PCC SURFACE REMOVAL, BUTT JOINT

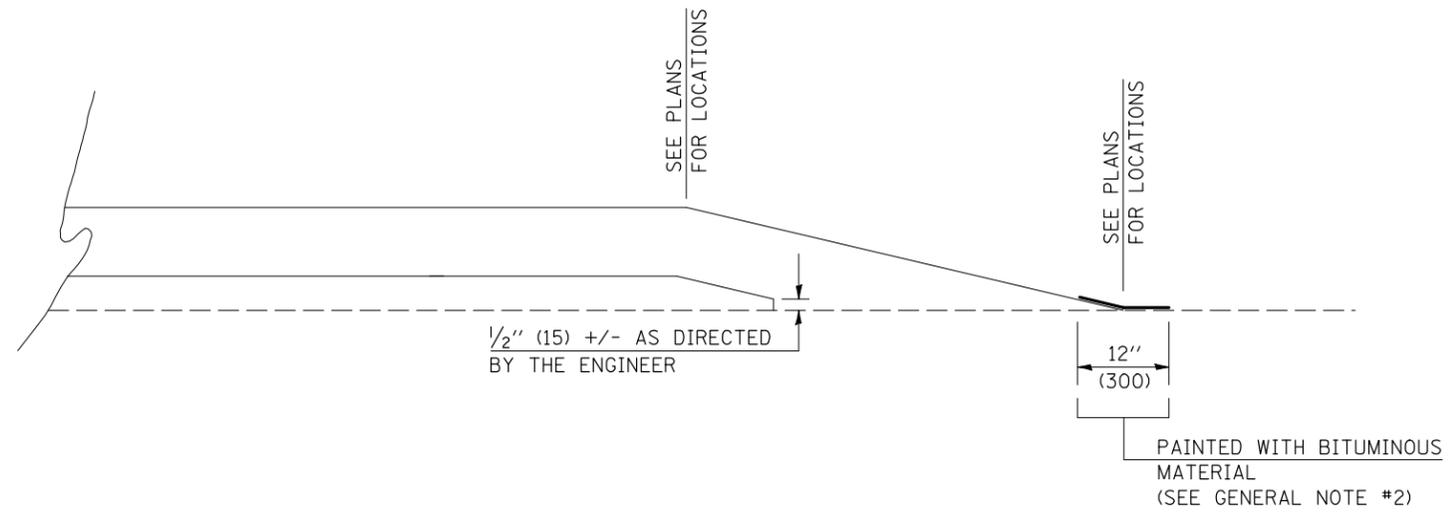
BUTT JOINT AT END OF PROJECT



HMA SURFACE REMOVAL - BUTT JOINT
(VARIES FROM 0" TO 2 1/2 ")

* BASED ON EXISTING AS BUILT PLANS, STATION 438+51.20 SHOULD BE THE APPROXIMATE LOCATION WHERE THE EXISTING HMA RESURFACING REACHES A THICKNESS OF 2 1/2". THIS LOCATION MAY CHANGE ONCE THE EXISTING RESURFACING HAS BEEN REMOVED. IT IS THE INTENT TO END THIS PROJECT AT THE POINT WHERE THE 2 1/2" REMOVAL IS ATTAINED OR AS DIRECTED BY THE ENGINEER

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT DETAILS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\coombessf\d0254836\0570921-sht-details.dgn		DRAWN -	REVISED -		1531	(10,11)RS	PIATT	18	10			
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 70921			ILLINOIS FED. AID PROJECT				
PLOT DATE = 3/4/2011		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			



GENERAL NOTES

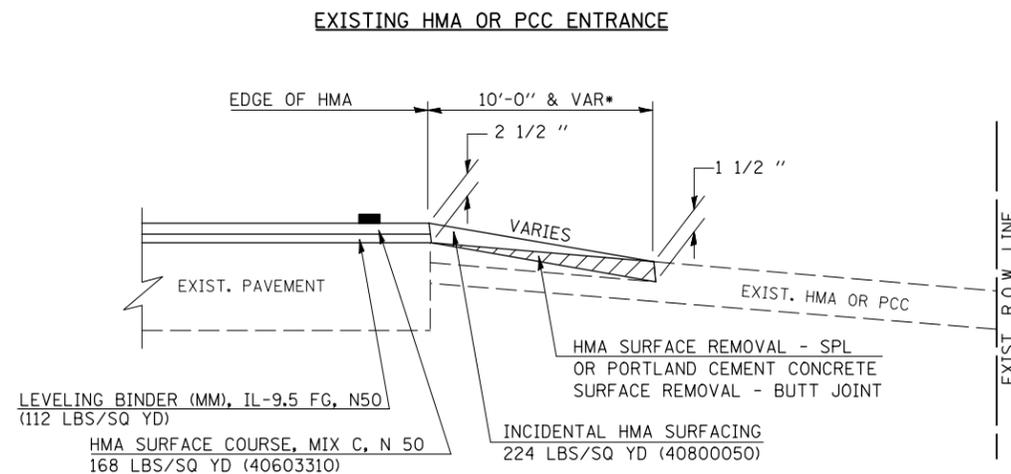
1. ALL PROPOSED RUNDOWNS SHALL BE UNIFORMLY CONSTRUCTED AS FOLLOWS:
 1: 240 (20 FEET PER INCH) OF THICKNESS FOR NON-INTERSTATE IMPROVEMENTS (SEE ARTICLE 406.09)
 1: 360 (30 FEET PER INCH) OF THICKNESS FOR INTERSTATE IMPROVEMENTS

2. ON RESURFACING RUNDOWNS THAT ARE TO REMAIN IN PLACE AFTER COMPLETION OF THE SECTION, THE END OF THE FEATHEREDGE SHALL BE PAINTED WITH A UNIFORM COATING OF AC OR HFE BITUMINOUS MATERIAL APPROVED BY THE ENGINEER AFTER THE RUNDOWN IS COMPLETED. THE BITUMINOUS MATERIAL SHALL BE PAINTED ACROSS THE END OF THE RUNDOWN APPROXIMATELY 12 INCHES (300 mm) WIDE, 6 INCHES (150 mm) ON THE RUNDOWN AND 6 INCHES (150 mm) ON THE PAVEMENT. THE PAINTED STRIP SHALL BE COVERED WITH SAND. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

DISTRICT 5 DETAIL NO. 406AAAAA

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED - 12/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FEATHEREDGE RUNDOWN			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\coombessf\d0254836\0570921-sh1-details.dgn	DRAWN -	REVISED -	1531					(10,11)RS	PIATT	18	11	
PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -	CONTRACT NO. 70921									
PLOT DATE = 3/2/2011	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



*10'-0" ON HMA ENTRANCES,
ON PCC ENTRANCES, BUTT JOINT
AT JOINT NEAREST THE DISTANCE
SHOWN ON THE SCHEDULE OF QUANTITIES

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.

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

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			14, 16, 24						14, 16, 24		
	24, 30, 35						24, 30, 35						24, 30, 35		
	24, 30, 35						24, 30, 35						24, 30, 35		
RADIUS (FT)	15	25	40	30		20	30	50	resurface existing configuration; existing hma or pcc entrances shall have "butt joints" constructed; 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)	1:10	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							

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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	PLOT DATE = 3/2/2011	DATE -	REVISED -

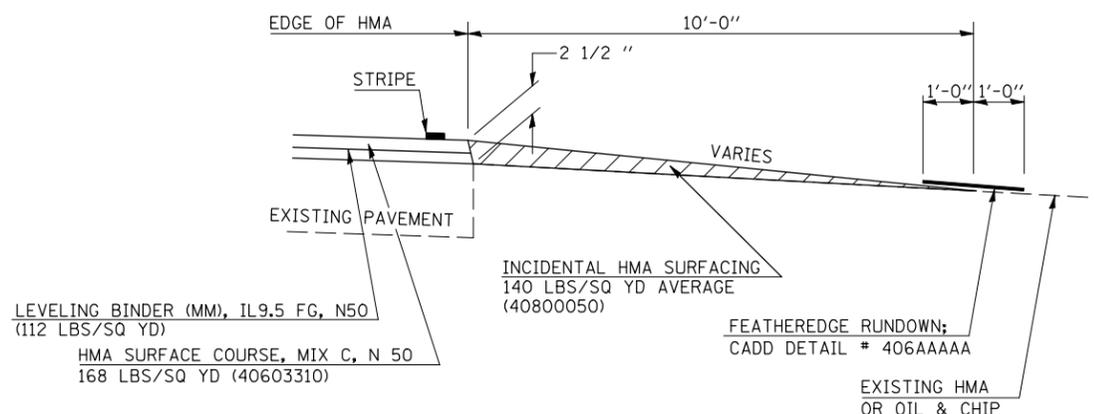
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PRIVATE AND COMMERCIAL ENTRANCES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10,11)RS	PIATT	18	12
CONTRACT NO. 70921				
ILLINOIS FED. AID PROJECT				

SIDEROAD & SIDESTREETS



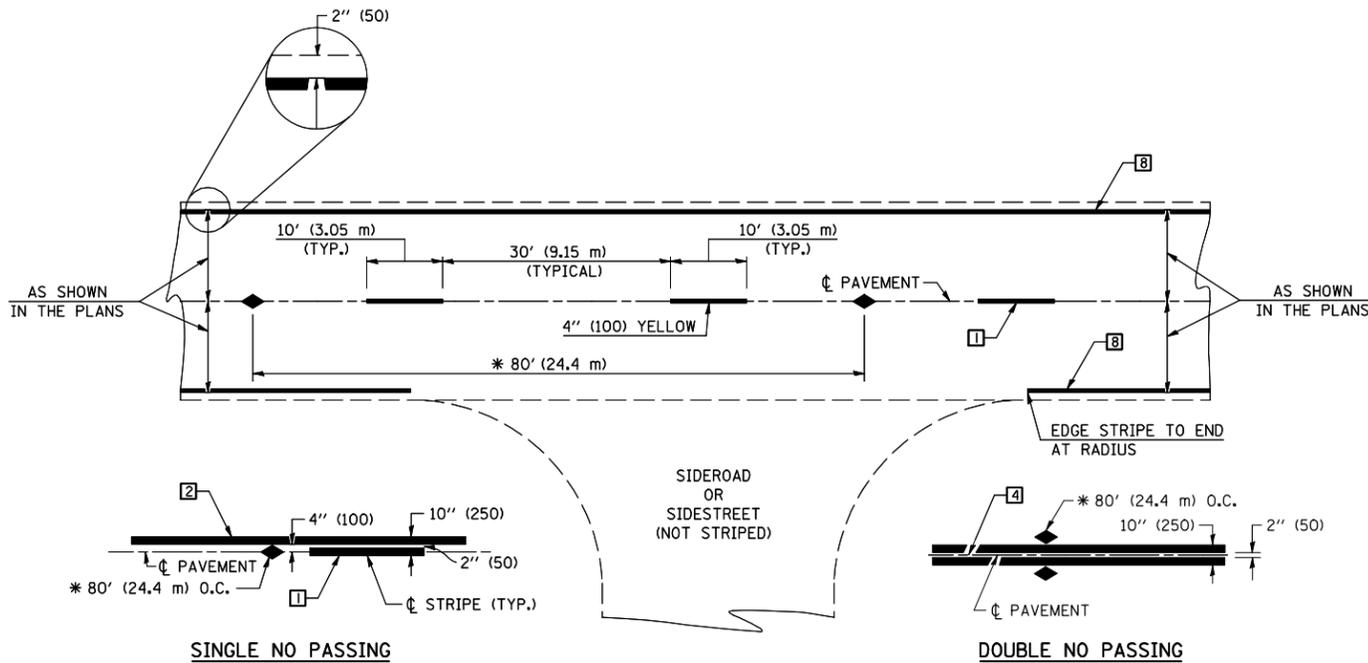
*FOR GREEN APPLE LANE, USE PCC OPTION SHOWN ON PRIVATE & COMMERCIAL ENTRANCES DETAIL SHEET.

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.

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						resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads 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									



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

TWO LANE/TWO WAY

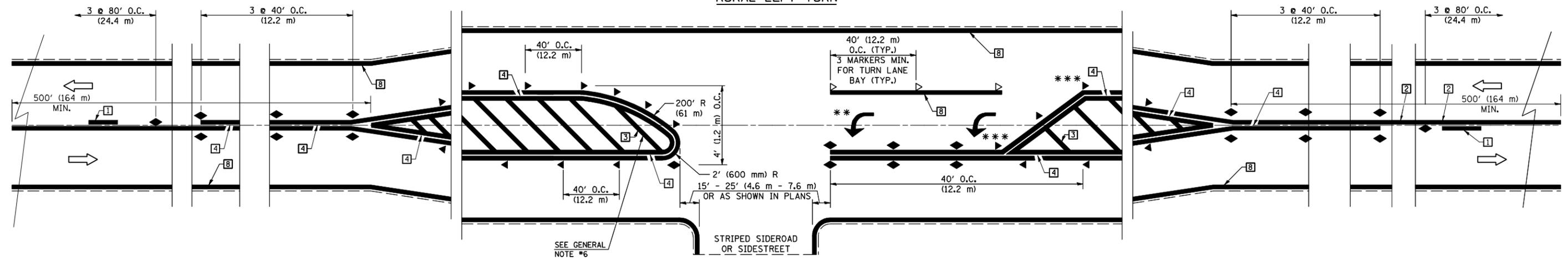
TYPICAL PAVEMENT MARKING LEGEND

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

TYPICAL PAVEMENT MARKERS LEGEND

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

RURAL LEFT TURN



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

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

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

DISTRICT 5 DETAIL NO. 7800AAA

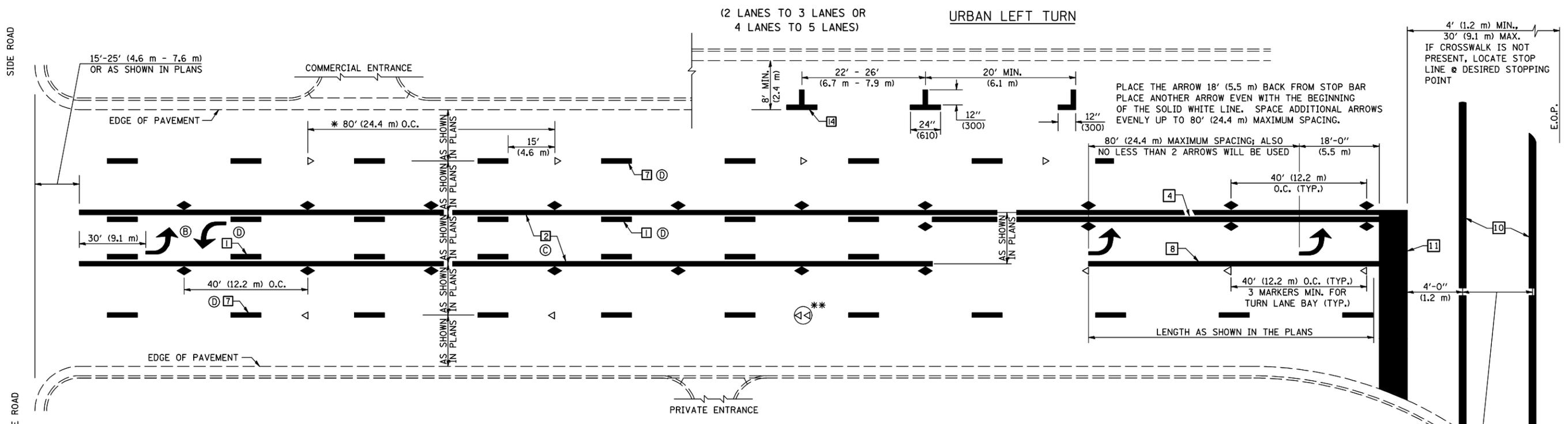
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ct:\pw\work\p\dot\coombessf\d0254836\0570921-sht-details.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/2/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10,11)RS	PIATT	18	14
CONTRACT NO. 70921				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

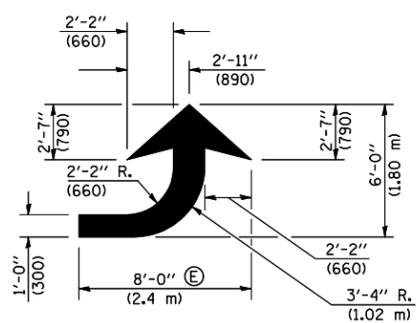


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

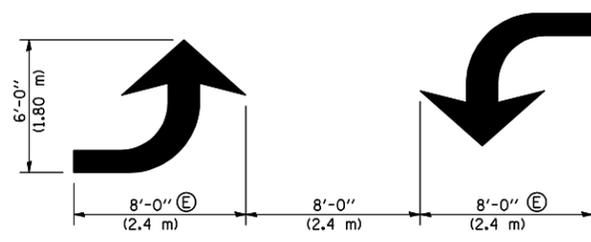
GENERAL NOTES:

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



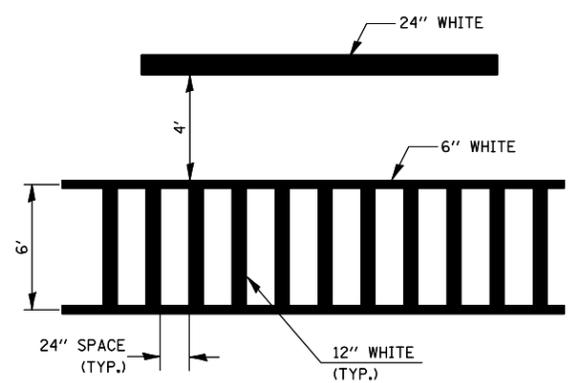
LEFT ARROW

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

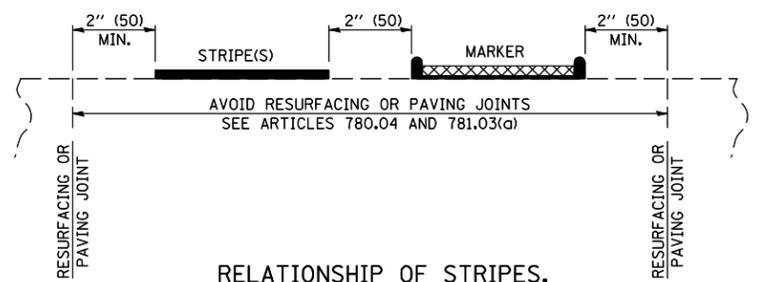


TYPICAL DOUBLE TURN ARROWS (WHITE)

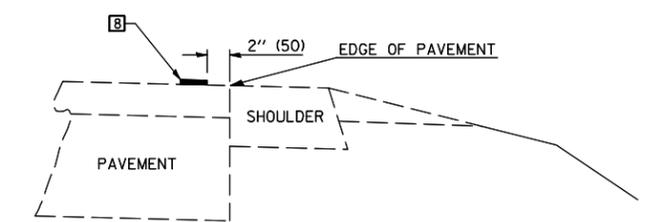
BLOOMINGTON-NORMAL CITY LIMITS ONLY



TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



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

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 = coombessf	DESIGNED -	REVISED - 11/06
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	PLOT DATE = 3/2/2011	DATE -	REVISED -

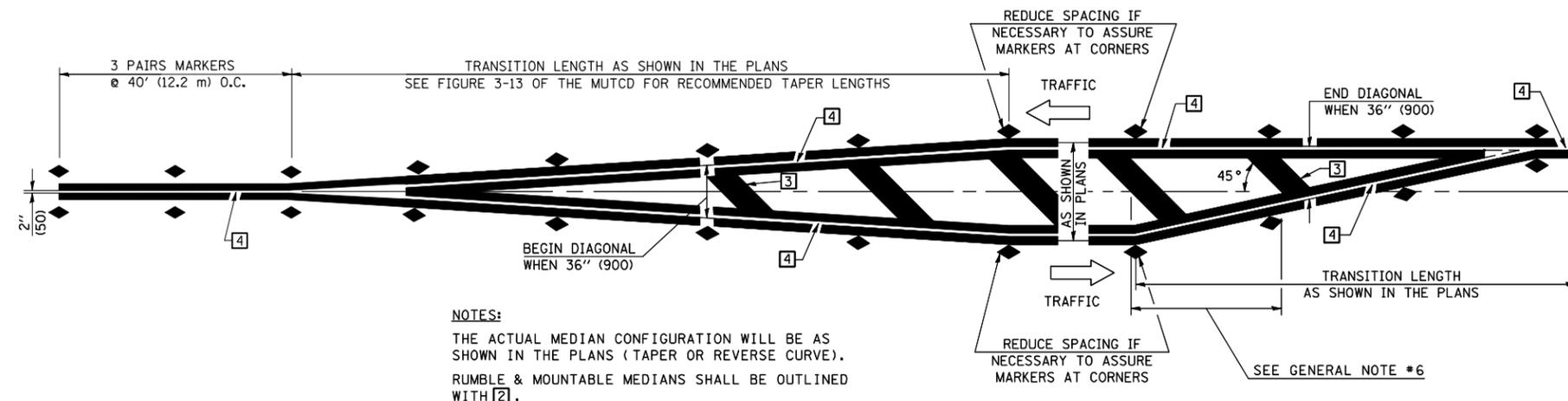
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

DISTRICT 5 DETAIL NO. 7800AAA

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10,11)RS	PIATT	18	15
CONTRACT NO. 70921				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

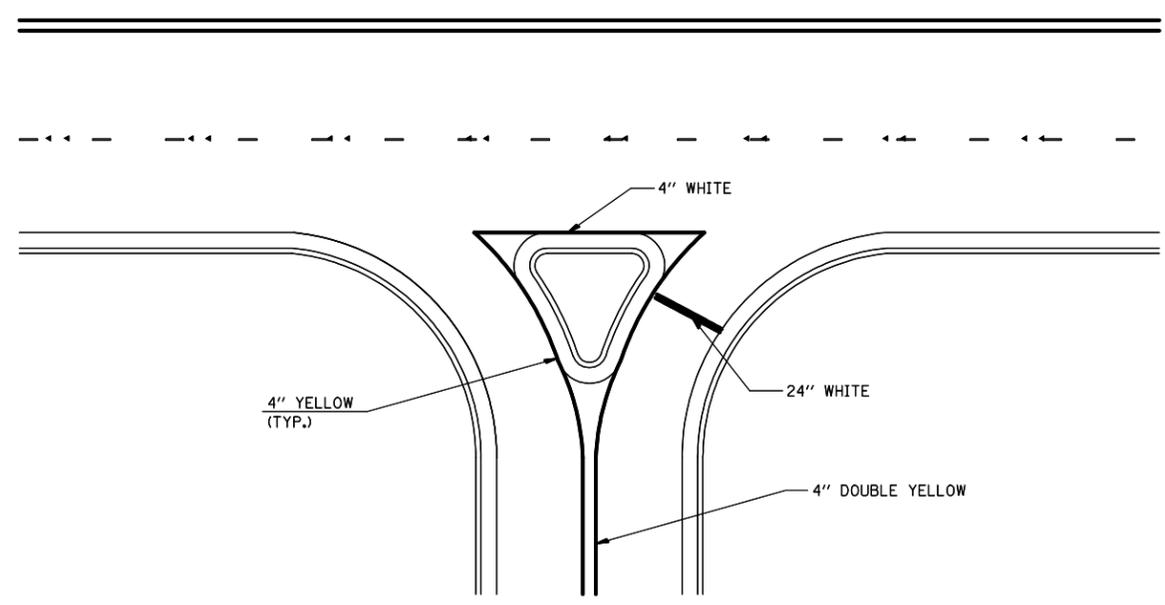


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

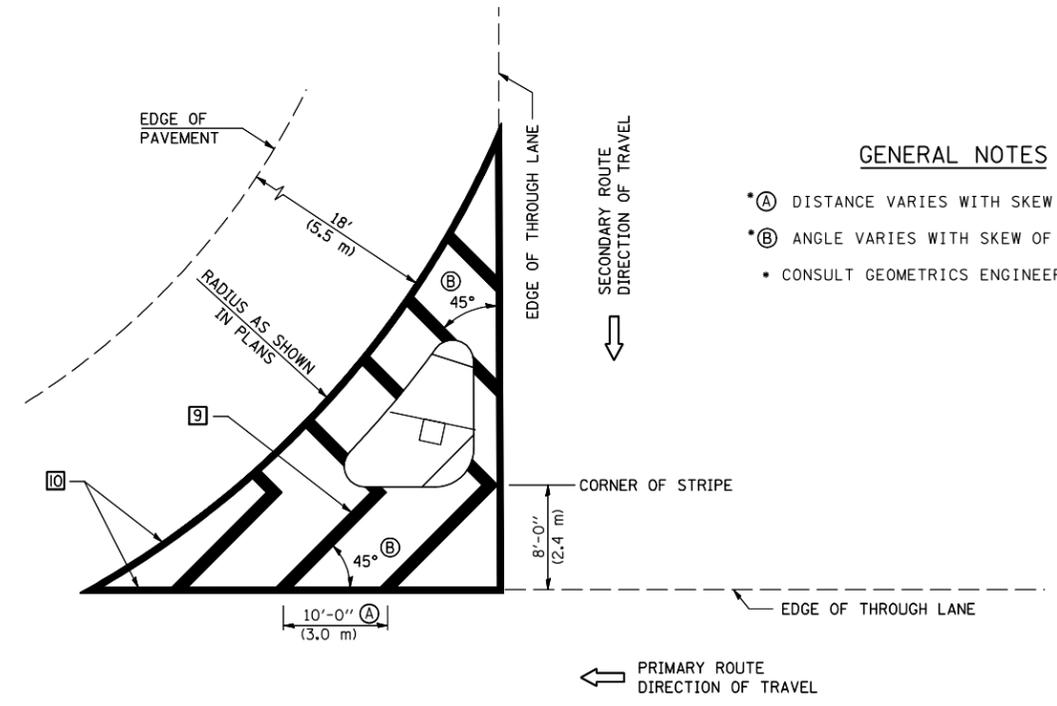
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

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



RIGHT IN - RIGHT OUT ACCESS



GENERAL NOTES

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

ISLAND

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

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED - 11/06
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/2/2011	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

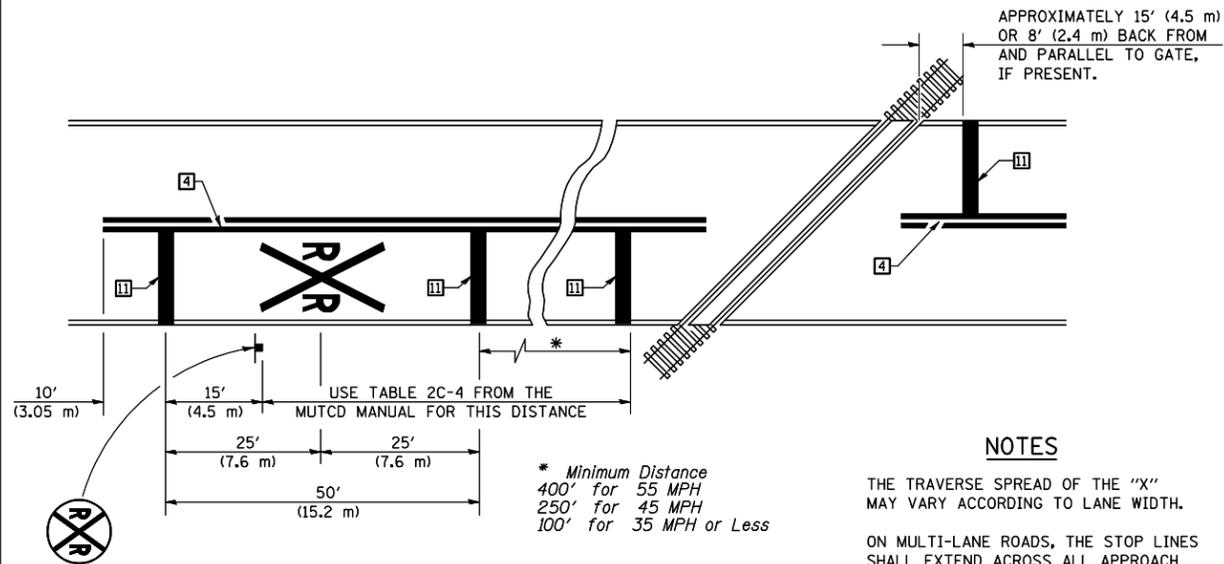
SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10,11)RS	PIATT	18	16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70921	

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

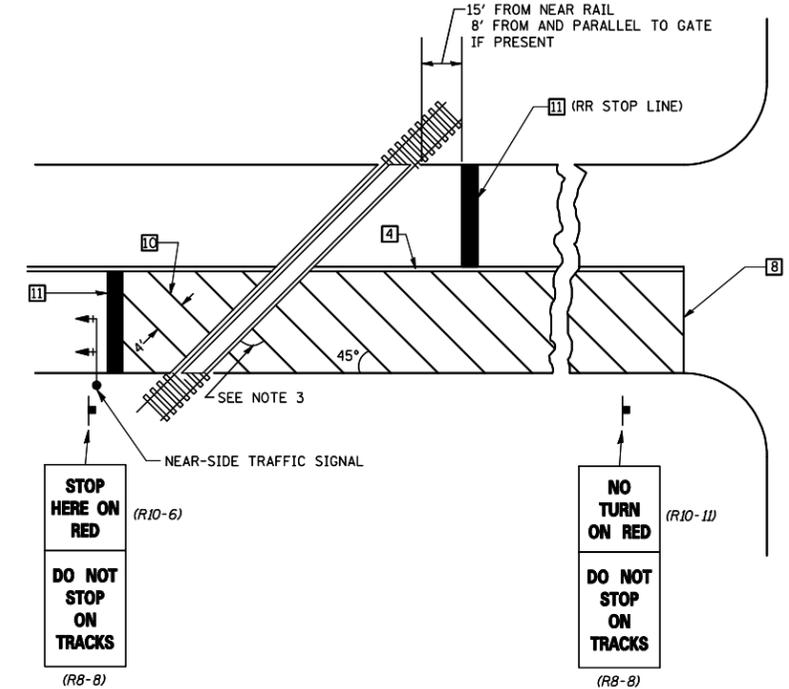
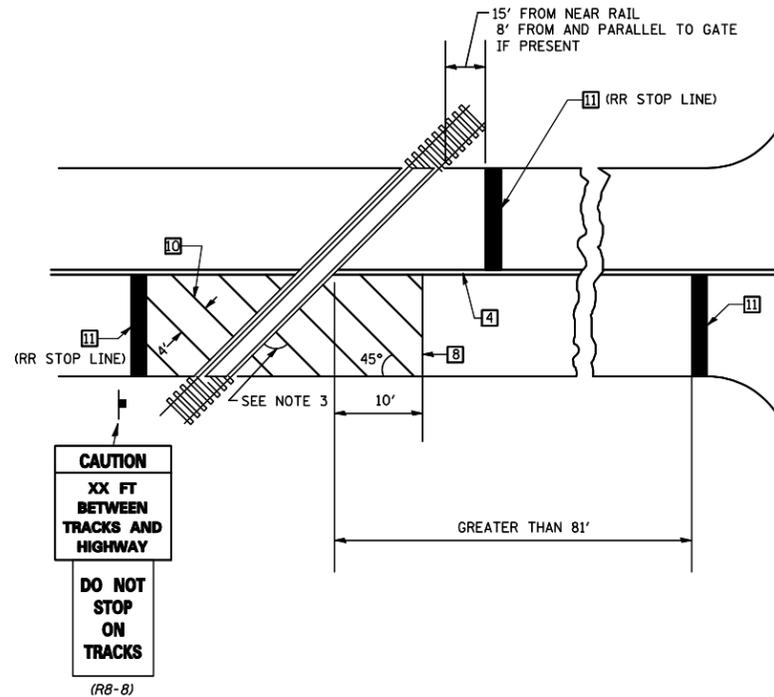
APPROXIMATELY 15' (4.5 m) OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

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

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

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

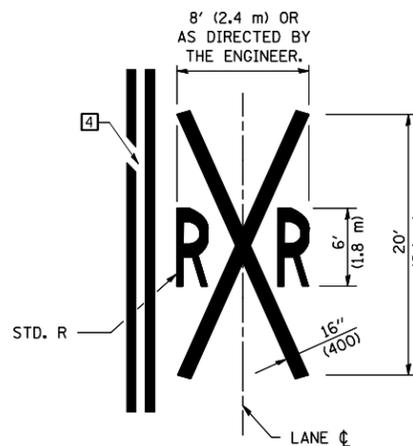
* Minimum Distance
400' for 55 MPH
250' for 45 MPH
100' for 35 MPH or Less



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 = coombessf	DESIGNED -	REVISED - 11/06
ct:\pw\work\p\dot\coombessf\d0254836\0570921-sht-details.dgn		DRAWN -	REVISED - 09/2009 - KJT
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/2/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

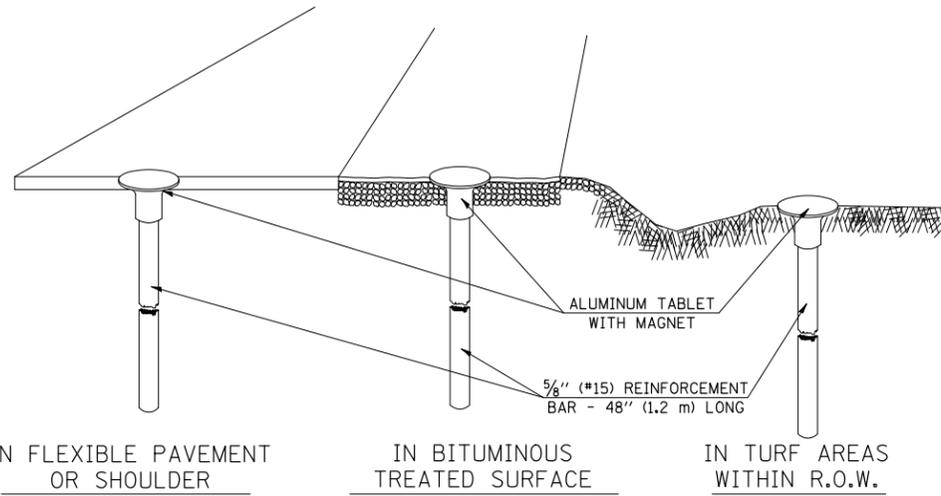
SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10,11)RS	PIATT	18	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70921	

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

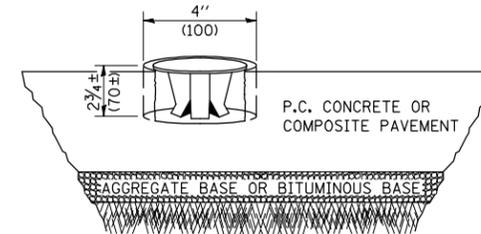
SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

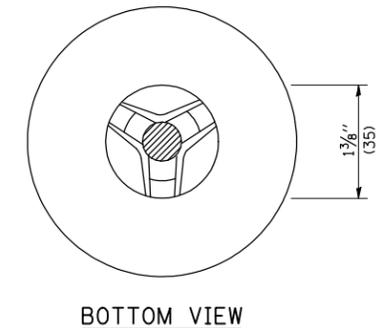
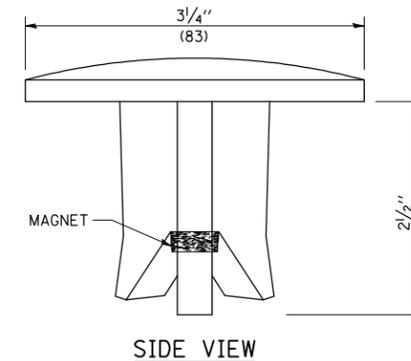
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3/4" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2 1/2" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

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; QQ-A-601ES. NO EXCEPTIONS.



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

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

DISTRICT 5 DETAIL NO. XZ193AAA

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED - 11/06
ct:\pw\work\pmdot\coombessf\d0254836\0570921-sht-details.dgn		DRAWN -	REVISED - 11/10
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/2/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1531	(10,11)RS	PIATT	18	18
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70921	