

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	103RS-3; 109RS-4	WOODFORD	21	1
		ILLINOIS	CONTRACT NO. 68B24	

D-94-006-13

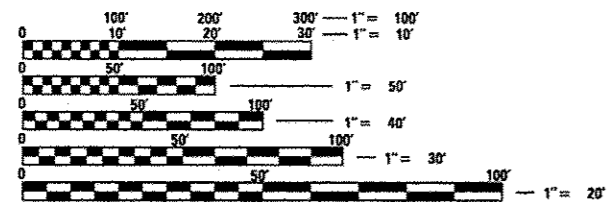
**INDEX OF SHEETS:**

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- 4-5 SUMMARY OF QUANTITIES
- 6 TYPICAL SECTION
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- 10-14 PROPOSED PAVEMENT MARKING
- 15-21 CADD STANDARDS

**STANDARDS:**

- 701201-04
- 701301-04
- 701306-03
- 701311-03
- 701336-06
- 701901-04
- 780001-05
- 781001-03

ADT = 1700 YEAR 2011  
 SU = 90 (5.29 %)/2011  
 MU = 225 (13.24 %)/2011



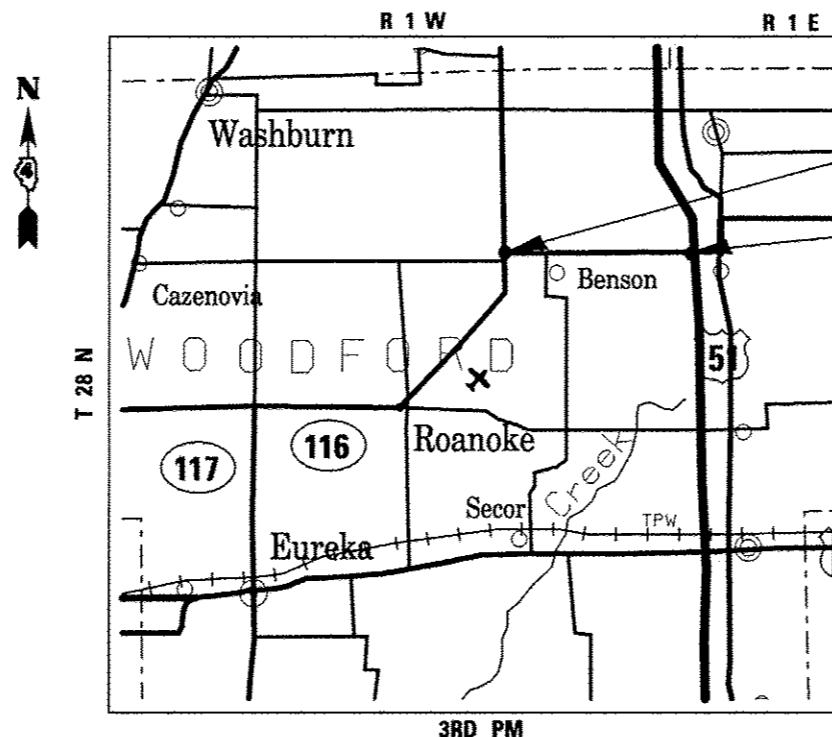
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123  
 OR 811

**PROJECT ENGINEER LISA SEMONSKI (309) 671-3477**  
**PROJECT MANAGER CHRISTOPHER MAUSHARD (309) 671-3453**  
**CONTRACT NO. 68B24**  
**CATALOG NO. 034880-00D**

**F.A.P. ROUTE 673 (IL 116)**  
**SECTION 103RS-3; 109RS-4**  
**PROJECT ACF-0673 (027)**  
**RESURFACING PROJECT**  
**WOODFORD COUNTY**

C-94-011-13

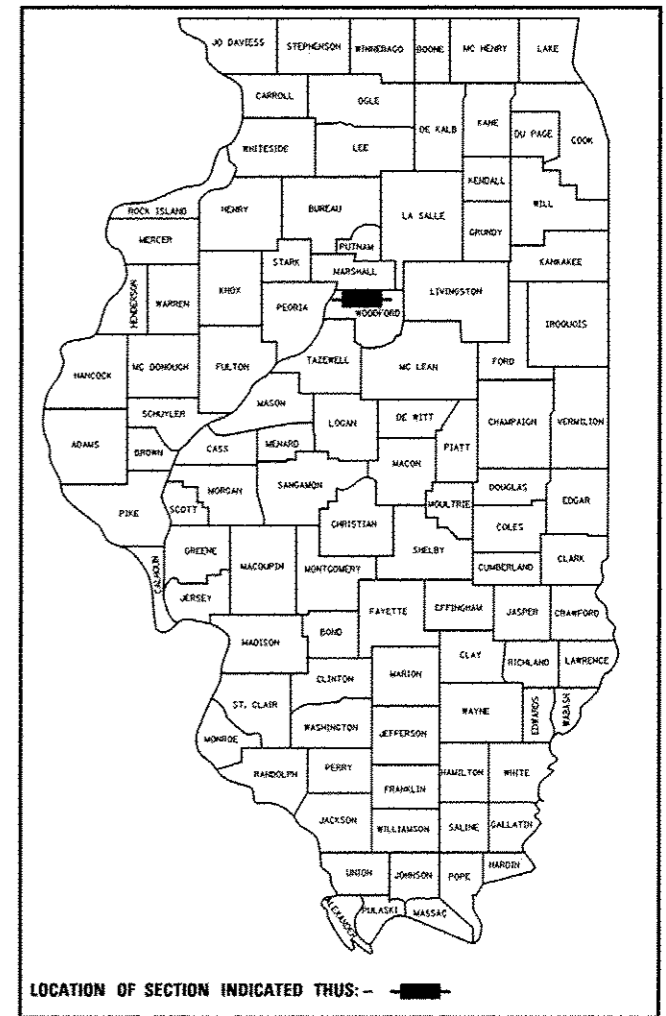


**PROJECT BEGINS**  
 STA. 237+45 (IL 117)  
 STA. 0+00 (IL 116)

**PROJECT ENDS**  
 STA. 249+73 (IL 117)  
 STA. 275+62 (IL 116)

PROJECT CONSISTS OF RESURFACING AND MILLING ON  
 IL 116 FROM JCT IL 117(N), WEST OF BENSON TO  
 JCT I-39 IN WOODFORD COUNTY

GROSS LENGTH = 28,790 FT. = 5.45 MILE  
 NET LENGTH = 28,790 FT. = 5.45 MILE



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED March 13, 2015  
*Kenneth A. Gammeter*  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 8, 2015  
*John D. Baranzelli PE/SE*  
 ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 2015  
*Omer Osman PE/SE*  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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**OF THE STATE OF ILLINOIS**

**GENERAL NOTES**

**ENVIRONMENTAL REVIEWS**

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- \* BDE Form 2289 (Environmental Survey Request)
- \* A location map showing the size limits and location of the use area
- \* Signed property owner agreement form-D4 PI0100
- \* Color photographs depicting the use area
- \* Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

**PROPERTY OWNER ACCESS REQUIREMENTS**

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

**CONSECUTIVE SIDE STREET (ROAD) CLOSURE – PROHIBITED**

1. No two consecutive side streets (roads) may be closed at the same time during construction. The Contractor must alternate streets (roads).
2. Adjacent side roads will not be closed simultaneously. BLR Standard 21 shall be used for all local road closures without any entrances within the closed area. BLR Standard 22 can be used where it is necessary to allow local traffic access.

**ENGINEERS FIELD OFFICE**

Add the following sentence to the end of paragraph 670.02 (i) and 670.04 (e):  
All of the telephone lines provided shall have unpublished numbers.

**NO PASSING ZONE VERIFICATION**

The resident shall contact Operations to verify the location of no passing zones prior to placement of centerline striping.

**PAVING SURFACE COURSE**

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

**PAVEMENT STATIONING NUMBERS & PLACEMENT**

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20mm) wide, 5 inches (125 mm ) high and 5/8 inch (15 mm ) deep.

The pavement station numbers shall be installed as specified herein:

Interval – 200 feet (English stationing) or 100 meters (metric stationing)

Bottom of Numbers – 6 inches (150 mm ) from the inside edge of the pavement marking

Location:

- \* 2,3, & 5 Lane Pavements – right edge of pavement in direction of increasing stations
- \* Multi-Lane Divided Roadways – outside edge of pavement in both directions
- \* Ramps – along baseline edge of pavement

Position – stations shall be placed so they can be read from the adjacent shoulder

Format – English (Metric) pavement stations shall use this format "XXX (XX+X00)" where X represents the pavement station

This work will not be paid for separately, but will be considered included in the cost of the associated pavement and/or overlay pay items.

FILE NAME = 0468824-sh1-plan.dgn	USER NAME = aubreyg	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 100.0000' / 1"	DRAWN -	REVISED -			673	103RS-3; 109RS-4	WOODFORD	21	2	
	PLOT DATE = 3/16/2015	CHECKED -	REVISED -			CONTRACT NO. 68B24					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET	OF	SHEETS	STA. TO STA.	

**GENERAL NOTES**

**PAVING SURFACE COURSE**

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

Mixture Use(s):	Surface Course 1.5"	Leveling Binder	Incidental Surface
AC/PG:	PG 64-22	SBS or SBR 76-22	PG 64-22
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 4.75	IL 9.5
Friction Aggregate:	Mix D	N.A.	Mix C
Quality Management Program:	QCP	QCQA	QCQA

- Note: 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size, unless otherwise approved by the Engineer.
- 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y./in., unless otherwise noted.
- 3) Sublot sizes for PFP and QCP mixes will be 1000 tons, unless otherwise agreed to by the Engineer and the paving contractor.

**COMMITMENTS**

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

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

FILE NAME : 0468824-shr-plan.dgn	USER NAME : aubreyge	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE : 100.0000' / 1" =	DRAWN -	REVISED -			673	103RS-3; 109RS-4	WOODFORD	21	3	
	PLOT DATE : 3/17/2015	CHECKED -	REVISED -			CONTRACT NO. 68824					
		DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				0005	
				WOODFORD COUNTY	
				FED / STATE	
				80 / 20	
40600285	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	63921	63921	
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4, 75, N50	TON	3825	3825	
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1427	1427	
40600990	TEMPORARY RAMP	SO YD	156	156	
40603335	HOT - MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	7764	7764	
40800050	INCIDENTAL HOT - MIX ASPHALT SURFACING	TON	245	245	
44000152	HOT - MIX ASPHALT SURFACE REMOVAL, 3/4"	SO YD	90687	90687	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1386	1386	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2	
67100100	MOBILIZATION	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD T01306	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	8709	8709	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	93	93	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	74854	74854	

FILE NAME = 0468824-ehs-plan.dgn

USER NAME = aubreygg

DESIGNED -

REVISED -

PLOT SCALE = 100.0000' / 1"

DRAWN -

REVISED -

PLOT DATE = 3/16/2015

CHECKED -

REVISED -

DATE -

REVISED -

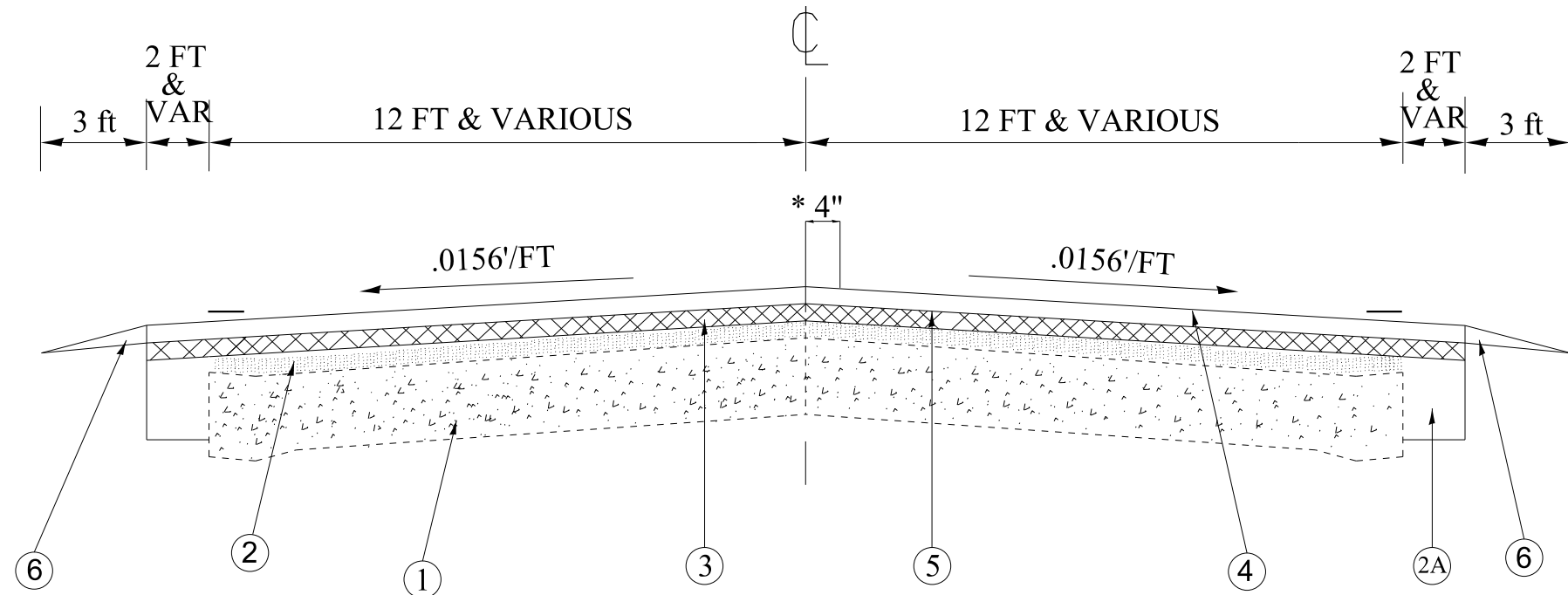
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	103RS-3; 103RS-4	WOODFORD	21	4
			CONTRACT NO. 68B24	

ILLINOIS FED. AID PROJECT





IL 116 / IL 117  
 STA. 0+00 TO 275+62 / STA. 237+45 TO 243+44

- ① EXISTING PCC PAVEMENT 9-6-9
- ② EXISTING OVERLAY
- ②A EXISTING HMA WIDENING
- ③ PROPOSED HMA SURFACE REMOVAL 3/4"
- ④ PROPOSED HMA SURFACE COURSE, MIX "D", N50, 1.5"
- ⑤ PROPOSED POLY LEVELING BINDER (MM) 3/4"
- ⑥ PROPOSED AGG. SHOULDERS, TYPE B

**\* SEE SPECIAL PROVISIONS CONSTRUCTION SEQUENCE FOR MILLING AND PAVING.**

**DRAWING NOT TO SCALE**

FILE NAME = D468B24-sht-plan.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					673	103RS-3; 109RS-4	WOODFORD	21	6
Default	PLOT DATE = 3/16/2015	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 68B24				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

TABULATION OF RESURFACING QUANTITIES												
LOCATION	TOTAL ROADWAY WIDTH	LENGTH	AREA	HMA SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	HMA SURFACE REMOVAL 3/4 IN	HMA SURFACE REMOVAL SPECIAL	POLY MATERIAL PRIME COAT	LEVEL BINDER (MM) 3/4"	HMA SURFACE COURSE 1.5 IN	INCIDENTAL SURFACE COURSE	AGGREGATE SHOULDERS TYPE B
	FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SOYD	POUND	TON	TON	TON	TON
IL 116/117												
STA. 237+45 TO 237+75	36.00	30.00	120.00	120.00	11.11			81.0	5.04	10.08		1.42
STA. 237+75 TO 245+75	40.00	800.00	3555.56			3560.00		2400.0	149.33	298.67		37.96
STA. 245+75 TO 249+43	36.00	368.00	1472.00			1472.00		993.6	61.82	123.65		17.46
STA. 249+43 TO 249+73	28.00	30.00	93.33	93.33	11.11			63.0	3.92	7.84		1.42
IL 116												
STA. 0+00 TO 7+00	28.00	700.00	2177.78			2177.78		1470.0	91.47	182.93		1273.28
STA. 7+00 TO 275+32	28.00	26832.00	83477.33			83477.33		56347.2	3506.05	7036.10		1.42
STA. 275+32 TO 275+62	28.00	30.00	93.33	93.33	11.11			63.0	3.92	7.84		1.42
• 4" EXTRA MILL & OVERLAY AT CL												
COUNTY HIGHWAY 18 (30' W OF EOP)	24.00	30.00	80.00	80.00	11.11			54.0	3.36	6.72		1.42
CLAYTON ST.	24.00	30.00	80.00	80.00	11.11			54.0			6.72	1.42
GREEN ST.	24.00	30.00	80.00	80.00	11.11			54.0			6.72	1.42
CHURCH ST.	24.00	30.00	80.00	80.00	11.11			54.0			6.72	1.42
PLEASANT ST.	24.00	30.00	80.00	80.00	11.11			54.0			6.72	1.42
WASHINGTON ST.	24.00	30.00	80.00	80.00	11.11			54.0			6.72	2.84
COUNTY RD. 2300E (LT and RT)	24.00	30.00	160.00	160.00	11.11			108.0			13.44	2.84
COUNTY RD. 2400E (LT and RT)	24.00	30.00	160.00	160.00	11.11			108.0			13.44	2.84
COUNTY RD. 2500E (LT and RT)	24.00	30.00	160.00	160.00	11.11			108.0			13.44	2.84
COUNTY RD. 2600E (LT and RT)	24.00	30.00	160.00	160.00	11.11			108.0			13.44	2.84
MAILBOX TURNOUTS 8			458.00					309.2				38.47
COMMERCIAL/PRIVATE ENTRANCES 48			1419.40		11.11			958.1			119.23	
GRAND TOTAL				1,427	156	90,687	1,066	63,921	3,825	7,764	245	1,356

TRAFFIC CONTROL & PROTECTION STANDARD 701306	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

MOBILIZATION	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

TRAFFIC CONTROL & PROTECTION STANDARD 701336	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

MODIFIED URETHANE PAVEMENT MARKING / TEMP PAVEMENT MARKING											
LOCATION	LT EDGE OF PVT SOLID 4" (WHITE)	RT EDGE OF PVT SOLID 4" (WHITE)	SKIP DASH SOLID 4" (YELLOW)	NO PASS SOLID 4" (YELLOW)			ISLAND/TURN LN SOLID 8" (WHITE)	ISLAND SOLID DIAG 12" (WHITE)	DIAG SOLID 12" (YELLOW)	STOP BAR SOLID 24" (WHITE)	TURN ARROW (WHITE)
				LT	RT	DBL					
IL 116/117	LINFT			LINFT			LINFT				SQFT
237+44 TO 249+73	1229	1229	15	162	422	4498	200		358		62
IL 116											
0+00 TO 275+62	27562	27562	6890				298	108		44	31
NO PASSING ZONES											
0+31 TO 6+17						1172			121		
6+17 TO 12+51						1267					
12+51 TO 27+29				1478							
90+65 TO 96+98					634						
100+15 TO 106+49				634							
CH 18	35	35	30							14	
SUB TOTAL	28,826	28,826	6,935	2,274	1,056	6,937	498	108	479	58	93
GRAND TOTAL	74,854						498	587		58	93

WORK ZONE PAVEMENT MARKING REMOVAL	
LOCATION	SQFT
IL 116	
0+00 TO 275+62	960
TOTAL	

RAISED REFL. PAVEMENT MARKER REMOVAL	
LOCATION	EACH
IL 116	691
TOTAL	691

SHORT TERM PAVEMENT MARKING		
LOCATION	LINFT	
	SKIP DASH 4" (Y)	STOP BAR 4" (W)
IL 116		
0+00 TO 275+62	8637	72
TOTAL	8637	72

RAISED REFL. PAVEMENT MARKER	
LOCATION	EACH
IL 116	691
TOTAL	691

MATERIAL TRANSFER DEVICE	
LOCATION	TON
STA 13+00 TO 372+65	11589
TOTAL	11589

ENGINEER'S FIELD OFFICE, TYPE A	
LOCATION	CAL MO
JOBSITE	2
TOTAL	2

CONSTRUCTION STATION LAYOUT	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

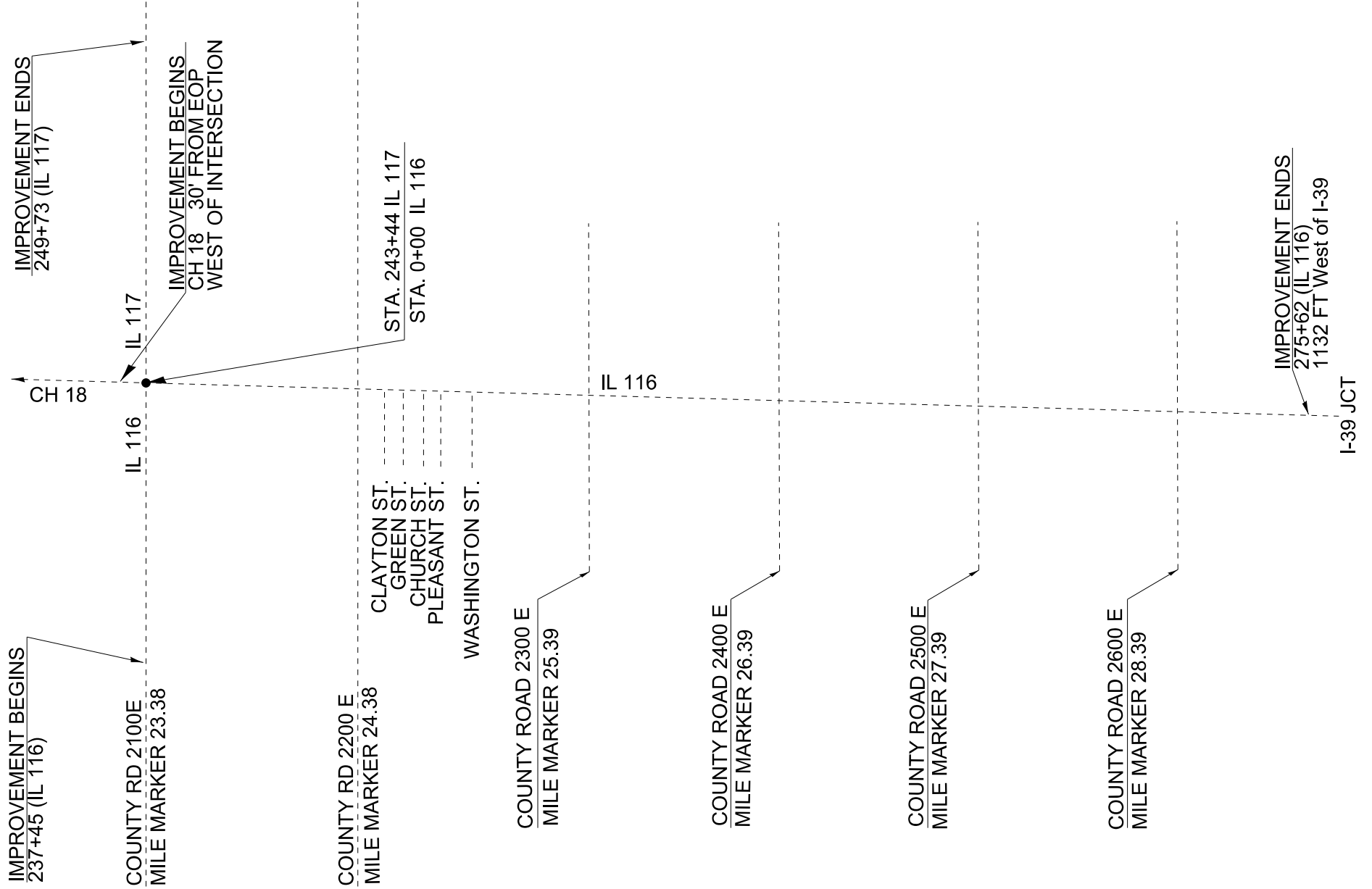
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Default	PLOT DATE = 3/16/2015	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

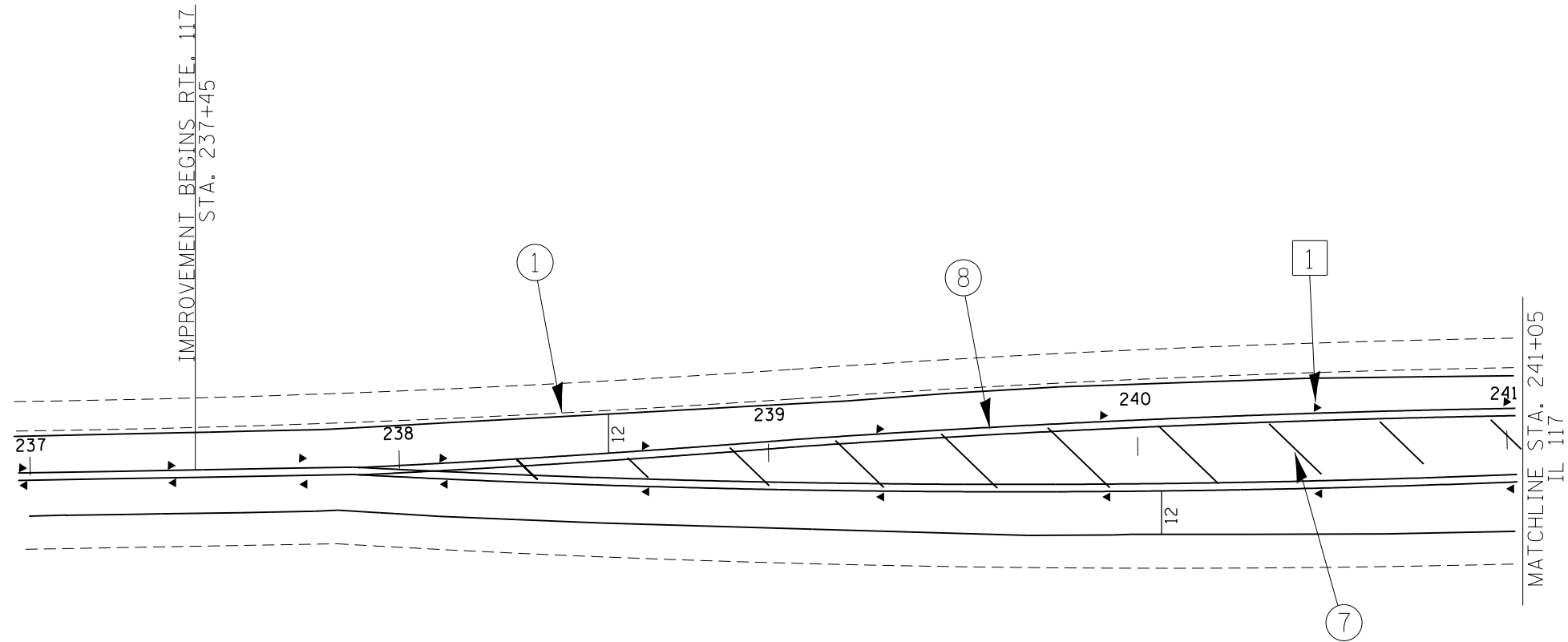
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	103RS-3; 109RS-4	WOODFORD	21	8
CONTRACT NO. 68B24				
ILLINOIS FED. AID PROJECT				





DRAWING NOT TO SCALE

FILE NAME = D468B24-sht-plan.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LINE DIAGRAM</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		673	103RS-3; 109RS-4	WOODFORD	21	9				
Default	PLOT DATE = 3/16/2015	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 68B24	
											ILLINOIS FED. AID PROJECT		



PAVEMENT MARKING LEGEND

- ① 100 (4) SOLID (WHITE)
- ② 100 (12) SOLID (WHITE)
- ③ 100 (24) SOLID (WHITE)
- ④ 200 (8) SOLID (WHITE)
- ⑤ 100 (4) SKIP DASH (YELLOW)
 

$\frac{3.05 \text{ m}}{(10')}$

$\frac{9.14 \text{ m}}{(30')}$

$\frac{3.05 \text{ m}}{(10')}$
- ⑥ LETTERS AND ARROWS
- ⑦ 300 (12) DIAGONAL (YELLOW)
 

$\frac{2.75 \text{ m}}{(11')}$

$\frac{9.14 \text{ m (30') >45 MPH}}{6.1 \text{ m (20') <45 MPH}}$

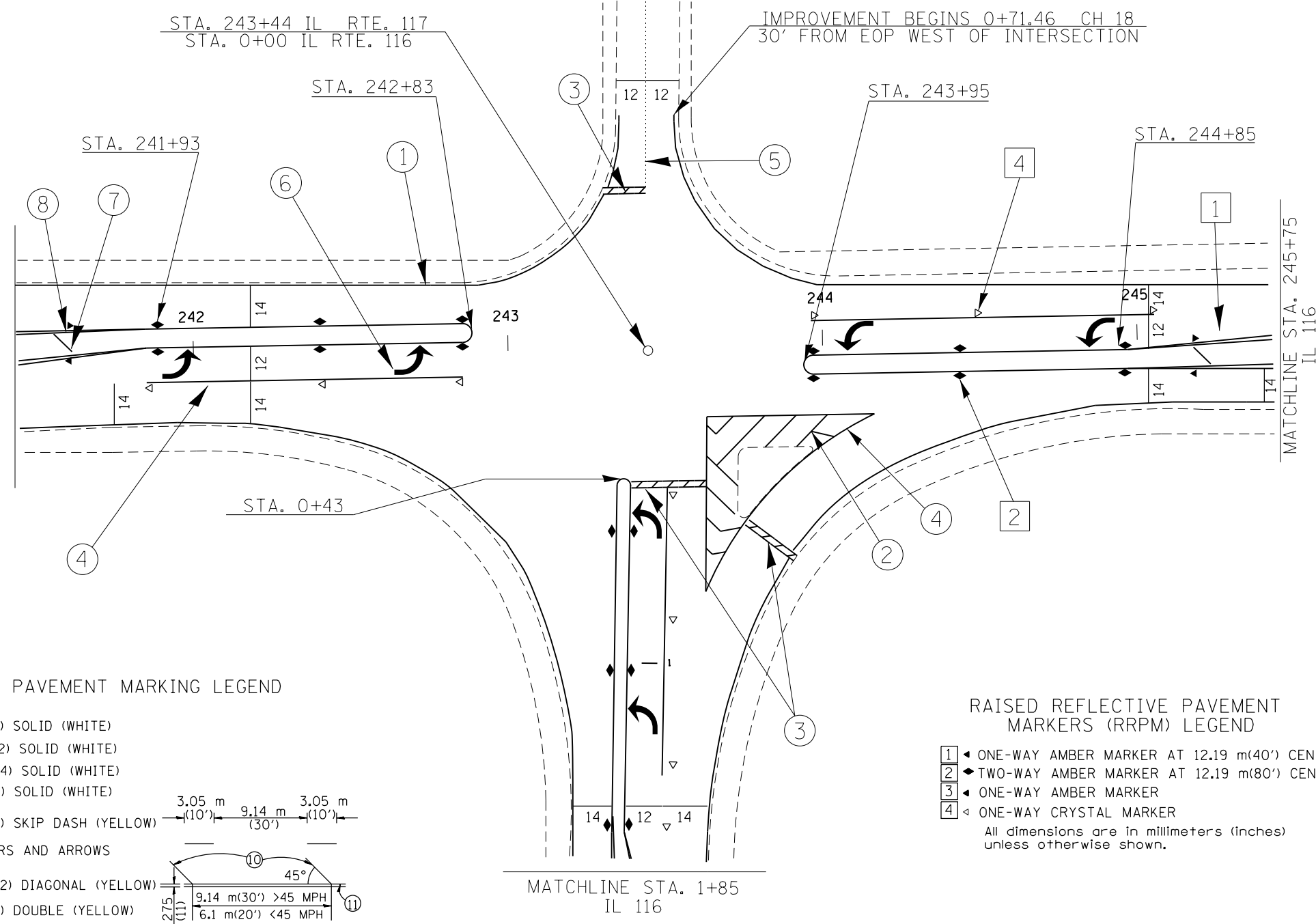
$\frac{45^\circ}{11}$
- ⑧ 100 (6) DOUBLE (YELLOW)

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM) LEGEND

- ① ◀ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
  - ② ◆ TWO-WAY AMBER MARKER AT 12.19 m(80') CENTERS
  - ③ ◀ ONE-WAY AMBER MARKER
  - ④ ◀ ONE-WAY CRYSTAL MARKER
- All dimensions are in millimeters (inches) unless otherwise shown.

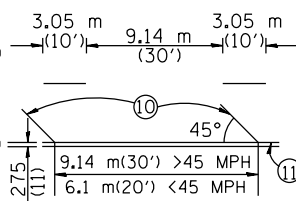
DRAWING NOT TO SCALE

FILE NAME = D468B24-sht-plan.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED PAVEMENT MARKING</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
Default	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	673	103RS-3; 109RS-4	WOODFORD	21	10
	PLOT DATE = 3/16/2015	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT	CONTRACT NO. 68B24										



PAVEMENT MARKING LEGEND

- ① 100 (4) SOLID (WHITE)
- ② 100 (12) SOLID (WHITE)
- ③ 100 (24) SOLID (WHITE)
- ④ 200 (8) SOLID (WHITE)
- ⑤ 100 (4) SKIP DASH (YELLOW)
- ⑥ LETTERS AND ARROWS
- ⑦ 300 (12) DIAGONAL (YELLOW)
- ⑧ 100 (6) DOUBLE (YELLOW)

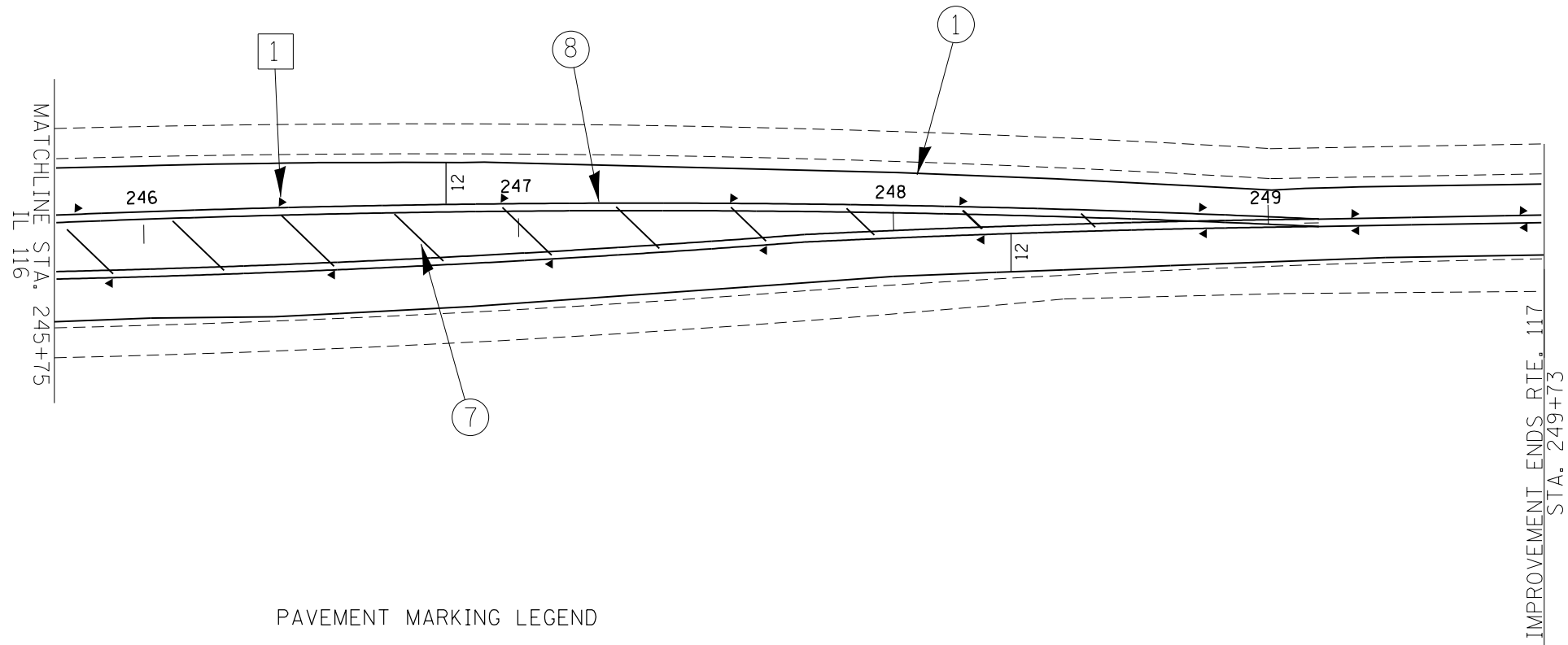


RAISED REFLECTIVE PAVEMENT MARKERS (RRPM) LEGEND

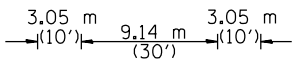
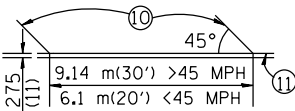
- ① ◀ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
  - ② ◀ TWO-WAY AMBER MARKER AT 12.19 m(80') CENTERS
  - ③ ◀ ONE-WAY AMBER MARKER
  - ④ ◀ ONE-WAY CRYSTAL MARKER
- All dimensions are in millimeters (inches) unless otherwise shown.

DRAWING NOT TO SCALE

FILE NAME = D468B24-sht-plan.dgn	USER NAME = aubreys	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED PAVEMENT MARKING</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -						673	103RS-3; 109RS-4	WOODFORD	21	11
Default	PLOT DATE = 3/16/2015	DATE -	REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 68B24		
											ILLINOIS FED. AID PROJECT		



PAVEMENT MARKING LEGEND

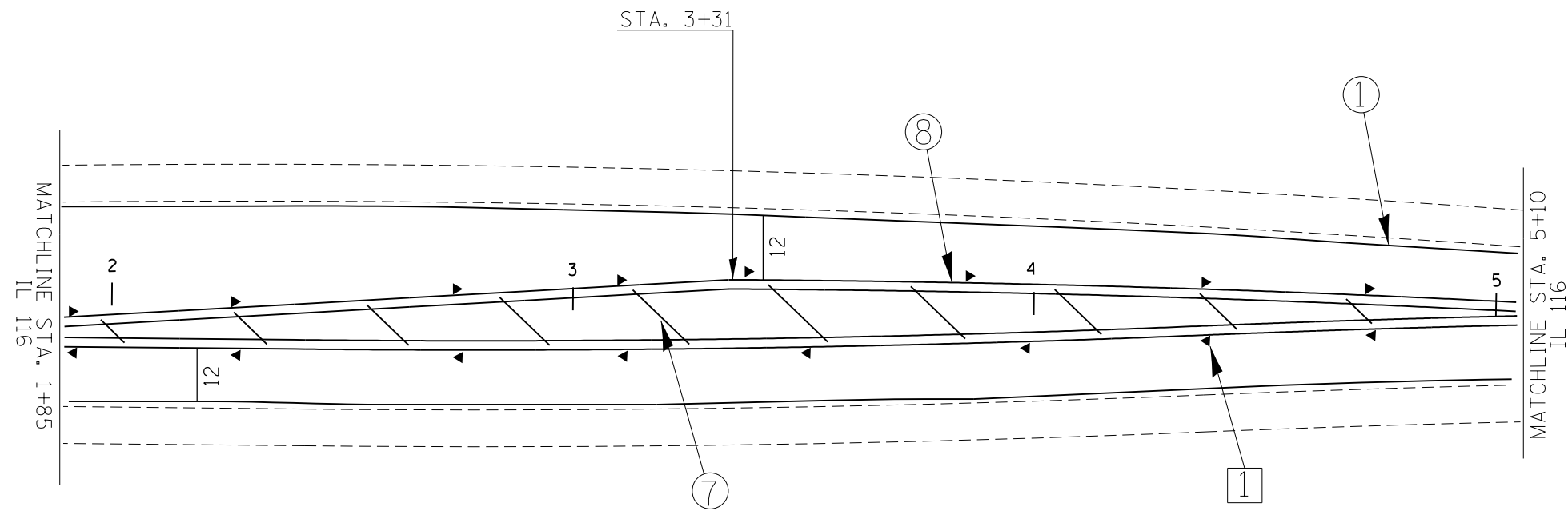
- ① 100 (4) SOLID (WHITE)
- ② 100 (12) SOLID (WHITE)
- ③ 100 (24) SOLID (WHITE)
- ④ 200 (8) SOLID (WHITE)
- ⑤ 100 (4) SKIP DASH (YELLOW) 
- ⑥ LETTERS AND ARROWS
- ⑦ 300 (12) DIAGONAL (YELLOW) 
- ⑧ 100 (6) DOUBLE (YELLOW)

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM) LEGEND

- ① ◀ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
  - ② ◀▶ TWO-WAY AMBER MARKER AT 12.19 m(80') CENTERS
  - ③ ◀ ONE-WAY AMBER MARKER
  - ④ ◀ ONE-WAY CRYSTAL MARKER
- All dimensions are in millimeters (inches) unless otherwise shown.

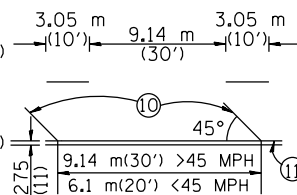
DRAWING NOT TO SCALE

FILE NAME = D468B24-sht-plan.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED PAVEMENT MARKING</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -						673	103RS-3; 109RS-4	WOODFORD	21	12
Default	PLOT DATE = 3/16/2015	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 68B24	
												ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

- ① 100 (4) SOLID (WHITE)
- ② 100 (12) SOLID (WHITE)
- ③ 100 (24) SOLID (WHITE)
- ④ 200 (8) SOLID (WHITE)
- ⑤ 100 (4) SKIP DASH (YELLOW)
- ⑥ LETTERS AND ARROWS
- ⑦ 300 (12) DIAGONAL (YELLOW)
- ⑧ 100 (6) DOUBLE (YELLOW)



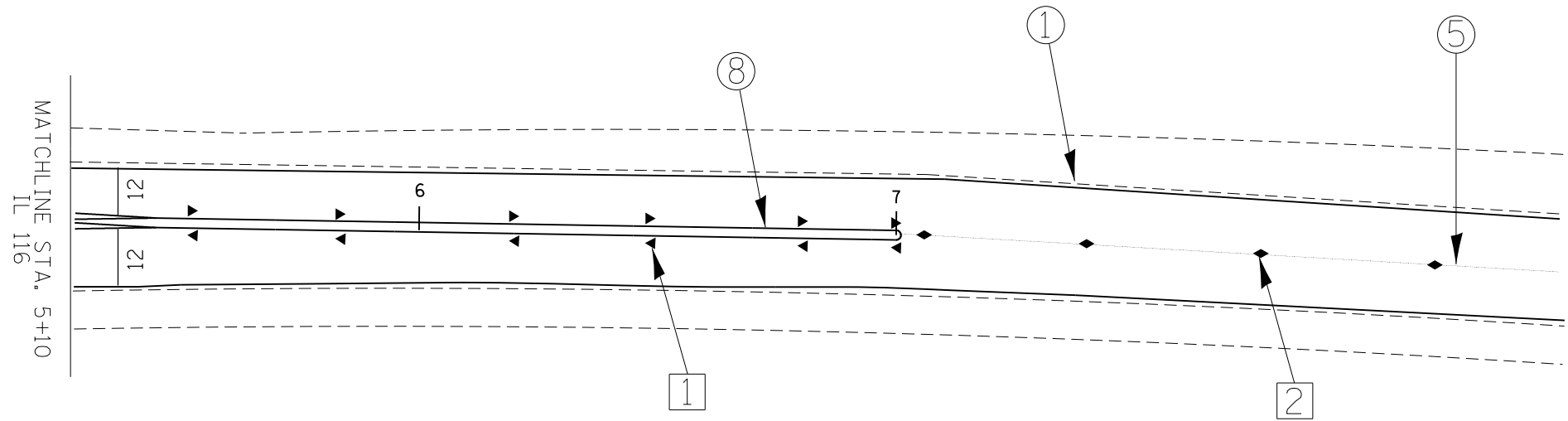
RAISED REFLECTIVE PAVEMENT MARKERS (RRPM) LEGEND

- ① ◀ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
- ② ◆ TWO-WAY AMBER MARKER AT 12.19 m(80') CENTERS
- ③ ◀ ONE-WAY CRYSTAL MARKER

All dimensions are in millimeters (inches) unless otherwise shown.

DRAWING NOT TO SCALE

FILE NAME = D468B24-sht-plan.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED PAVEMENT MARKING</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					673	103RS-3; 109RS-4	WOODFORD	21	13
Default	PLOT DATE = 3/16/2015	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 68B24
		DATE -	REVISED -									ILLINOIS FED. AID PROJECT

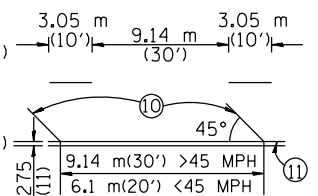


PAVEMENT MARKING LEGEND

- ① 100 (4) SOLID (WHITE)
- ② 100 (12) SOLID (WHITE)
- ③ 100 (24) SOLID (WHITE)
- ④ 200 (8) SOLID (WHITE)
- ⑤ 100 (4) SKIP DASH (YELLOW) → 3.05 m (10') → 9.14 m (30') → 3.05 m (10')
- ⑥ LETTERS AND ARROWS
- ⑦ 300 (12) DIAGONAL (YELLOW)
- ⑧ 100 (6) DOUBLE (YELLOW)

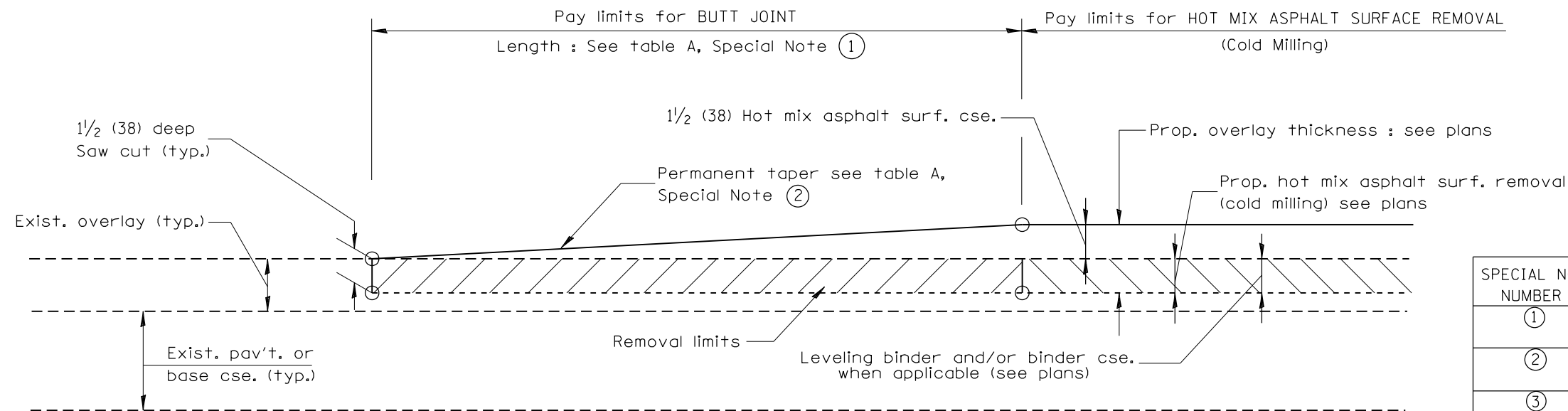
RAISED REFLECTIVE PAVEMENT MARKERS (RRPM) LEGEND

- ① ◀ ONE-WAY AMBER MARKER AT 12.19 m(40') CENTERS
  - ② ◆ TWO-WAY AMBER MARKER AT 12.19 m(80') CENTERS
  - ③ ◀ ONE-WAY AMBER MARKER
  - ④ ◀ ONE-WAY CRYSTAL MARKER
- All dimensions are in millimeters (inches) unless otherwise shown.



DRAWING NOT TO SCALE

FILE NAME = D468B24-sht-plan.dgn	USER NAME = aubreygs	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED PAVEMENT MARKING</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -						673	103RS-3; 109RS-4	WOODFORD	21	14
Default	PLOT DATE = 3/16/2015	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 68B24	
												ILLINOIS FED. AID PROJECT	



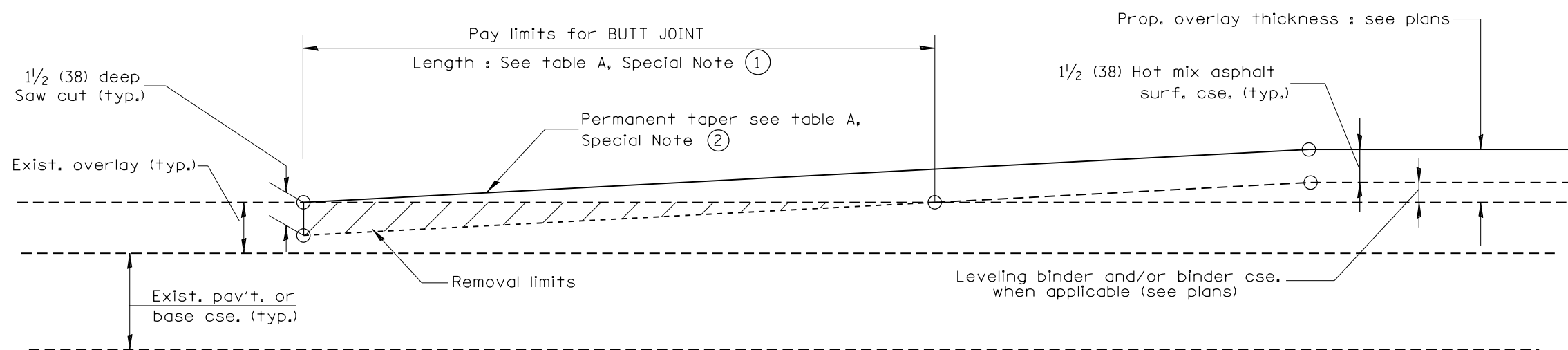
**CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

**TABLE A**  
(LENGTHS AND TAPER RATES)

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	LENGTH OF BUTT JOINT	60'(18.0 m)	30'(9.0 m)
②	PERMANENT TAPER RATE	1:480	1:240
③	TEMPORARY RAMP TAPER RATE	1:80	1:40
④	TEMPORARY RAMP LENGTH	10'(3.0 m)	5'(1.5 m)
⑤	LENGTH OF BUTT JOINT	10'(3.0 m)	10'(3.0 m)

**GENERAL NOTES**

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.



**CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.			
04-01-97	CORRECTION TO DEPTH	J.A.			
09-15-05	REVISED DESIGNER NOTE	M.M.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

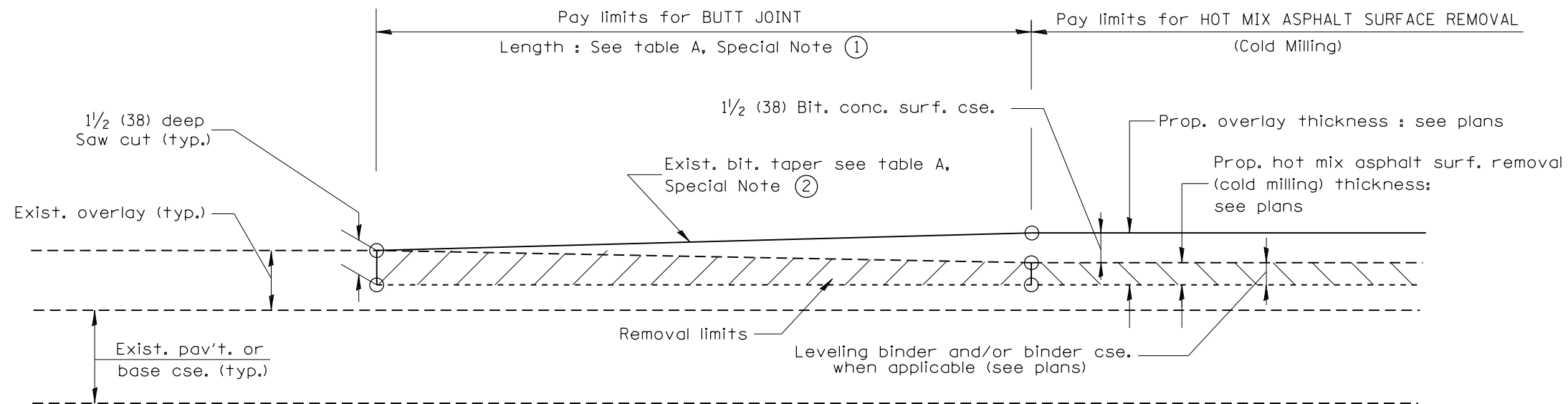
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BUTT JOINTS**

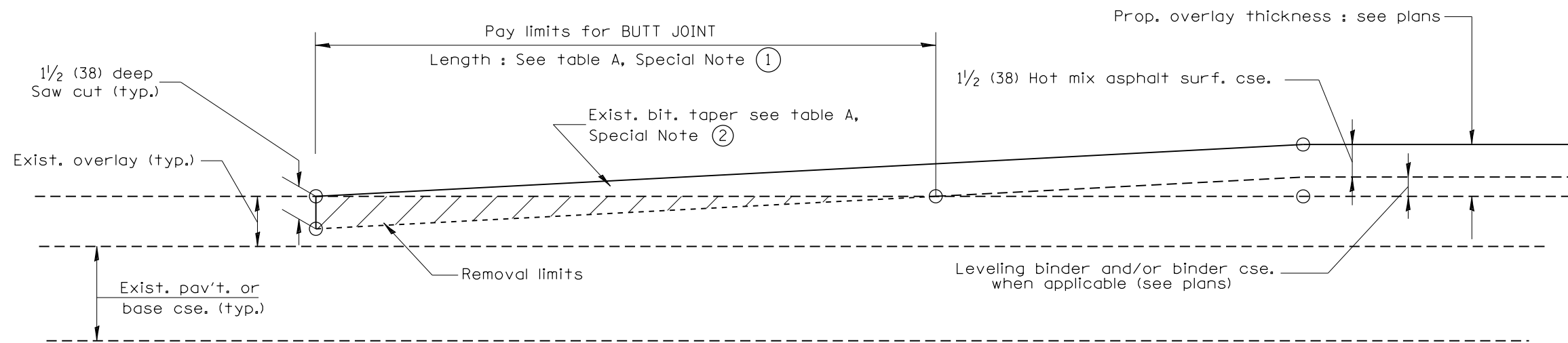
NOT TO SCALE

SHT. 1 OF 3  
CADD STD. 406101-D4

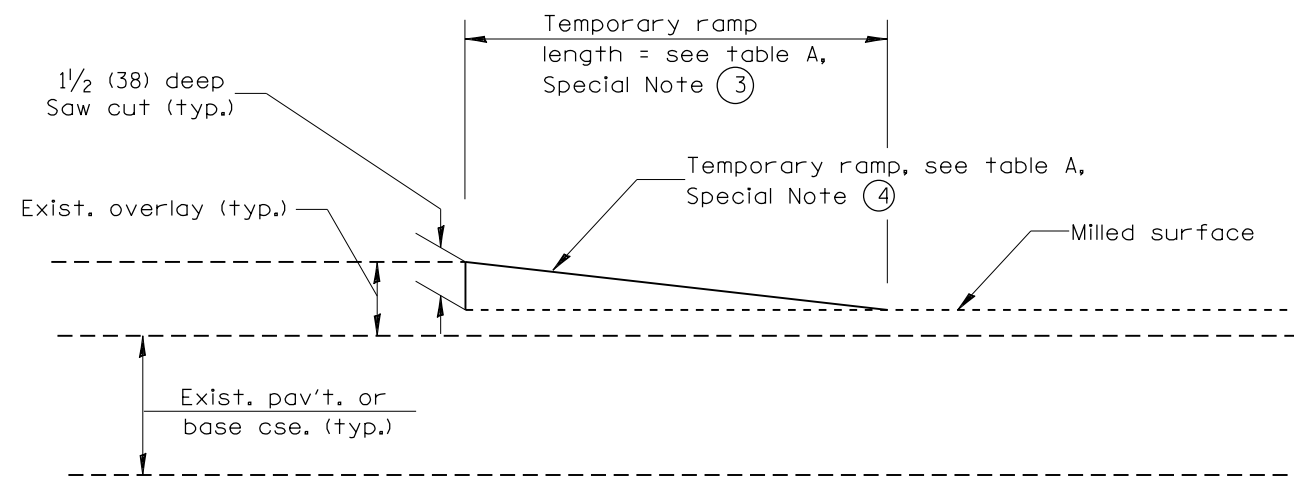
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	103RS-3; 109RS-4	WOODFORD	21	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B24	



**CASE 3 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**  
**TIE-IN TO EXISTING BITUMINOUS TAPER**



**CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**  
**TIE-IN TO EXISTING BITUMINOUS TAPER**



**DETAIL TEMPORARY RAMP**

All dimensions are in inches (millimeters) unless otherwise noted.


**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

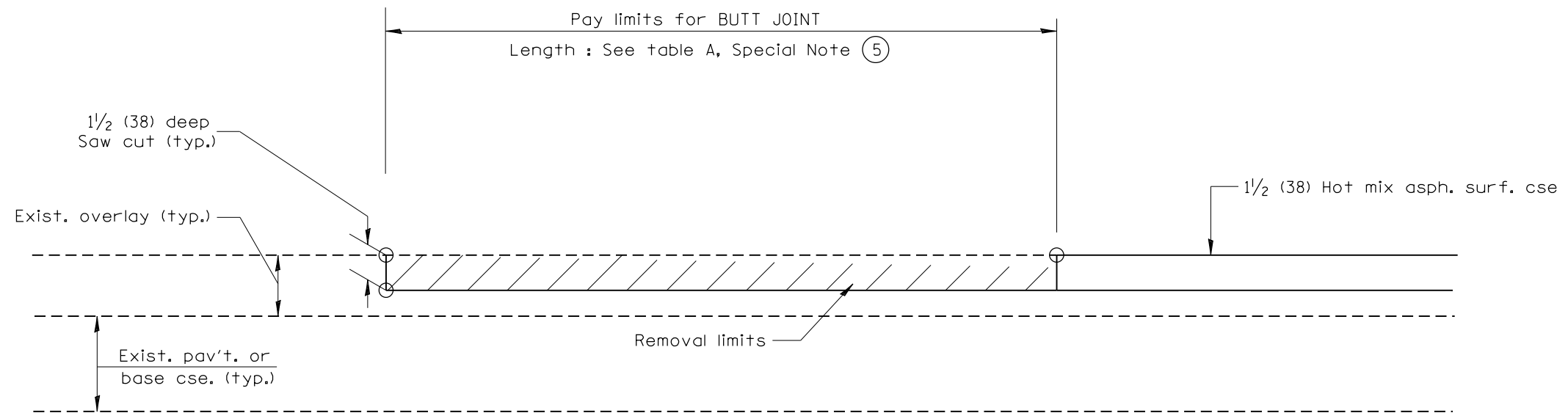
**BUTT JOINTS**

NOT TO SCALE

SHT. 2 OF 3  
 CADD STD. 406101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	103RS-3; 109RS-4	WOODFORD	21	16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B24	





CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER

All dimensions are in inches (millimeters) unless otherwise noted.

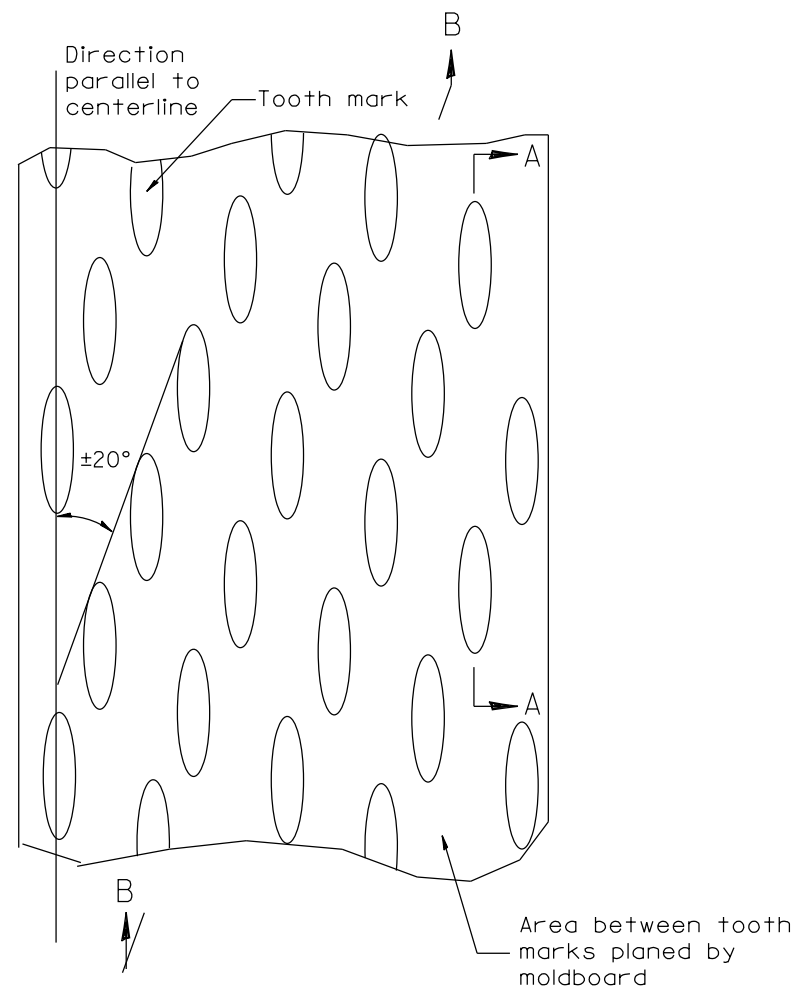

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

NOT TO SCALE

SHT. 3 OF 3  
CADD STD. 406101-D4

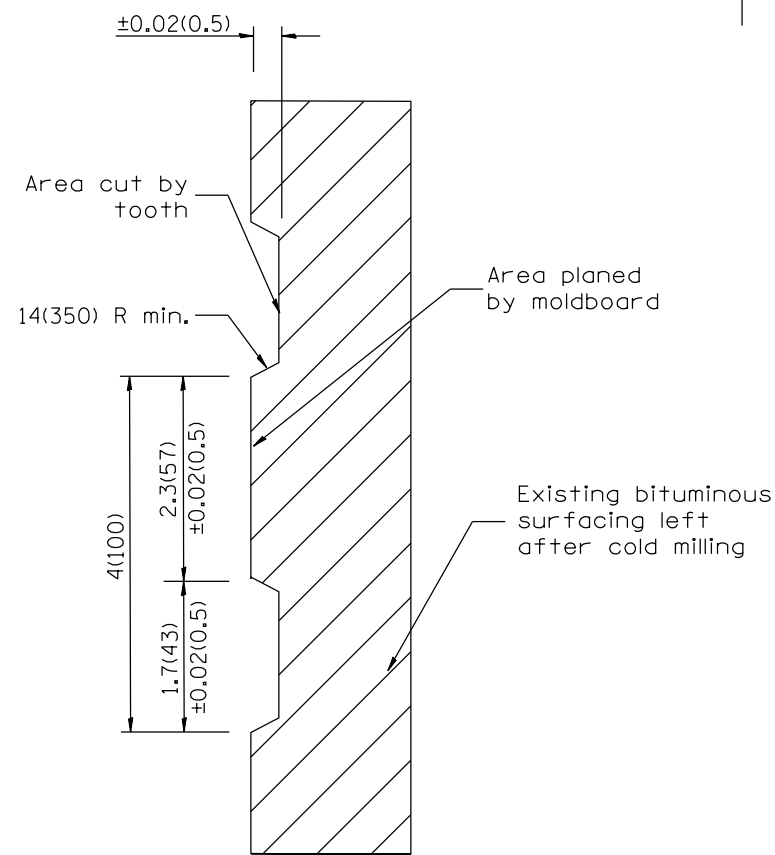
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	103RS-3; 109RS-4	WOODFORD	21	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B24	



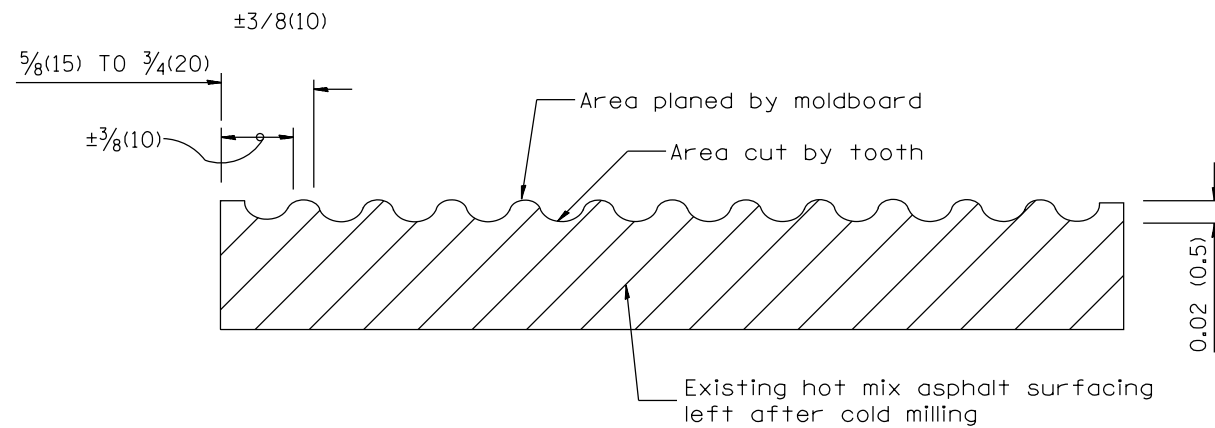
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



SECTION A-A



SECTION B-B PROJECTED PERPENDICULAR TO CENTERLINE

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.
10-16-06	REVISED TO 2007 SPEC.	M.A.

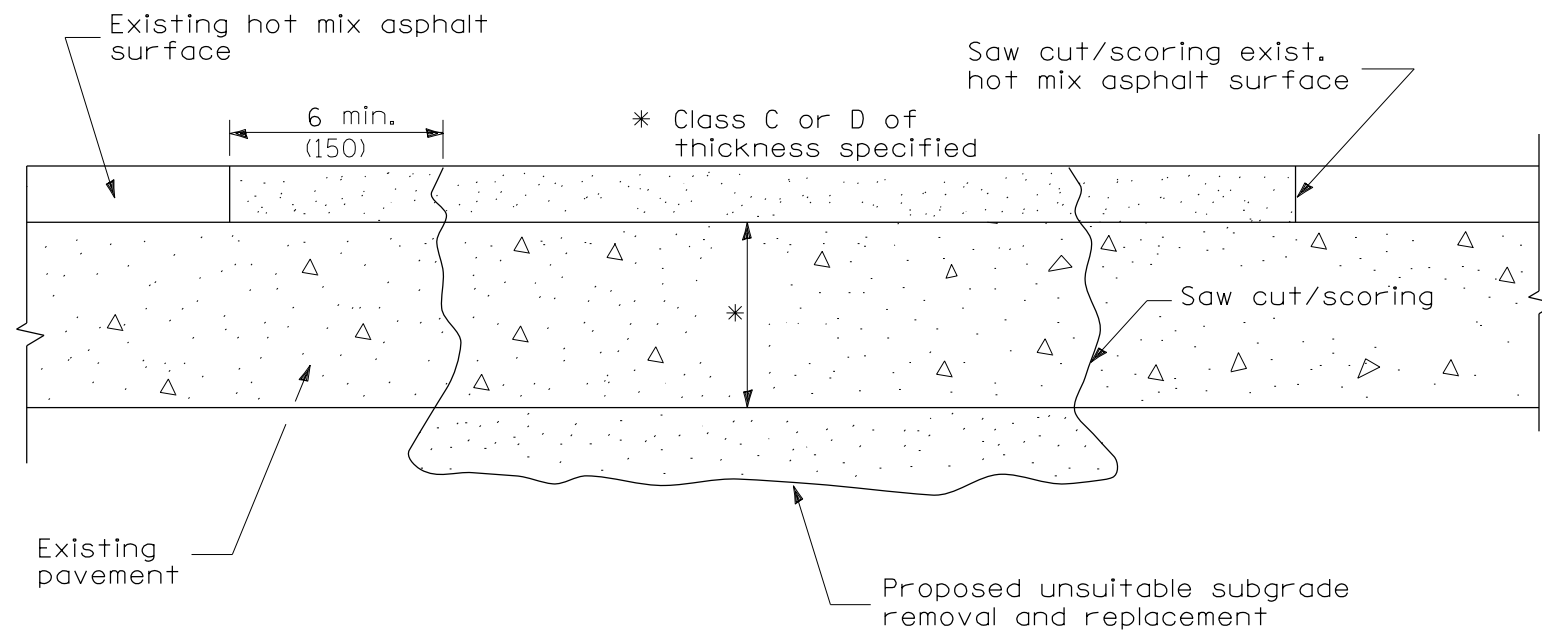
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

CADD STD. 440001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
673	103RS-3; 109RS-4	WOODFORD	21	18
CONTRACT NO. 68B24				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION

1. Remove the existing hot mix asphalt surface.
2. Remove and replace full depth patches.
3. Replace hot mix asphalt surface.

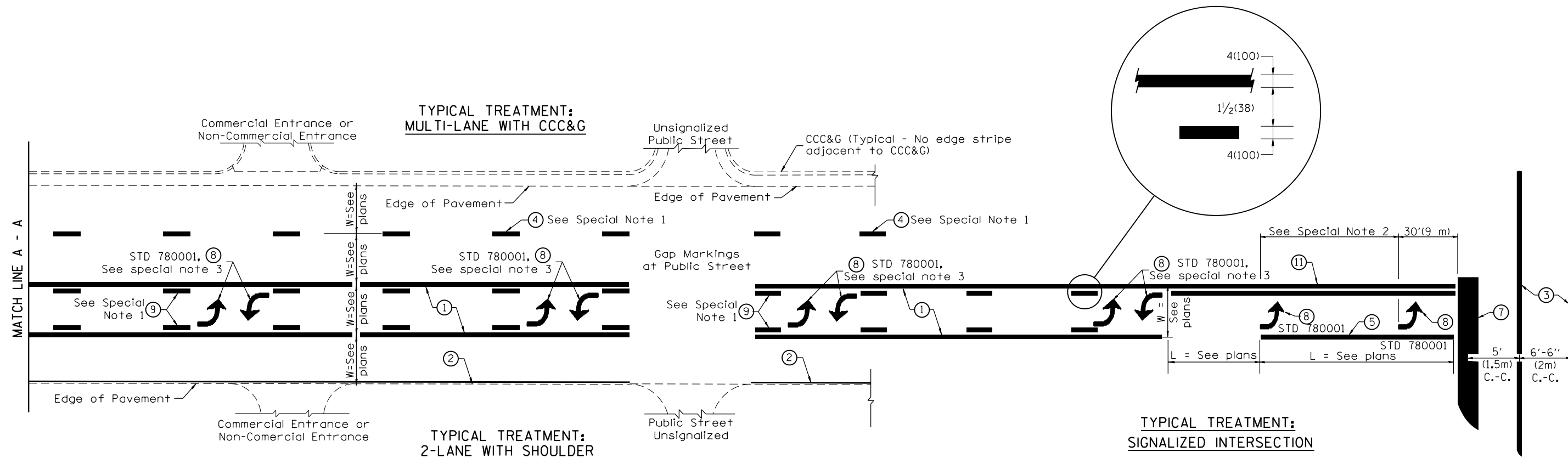
PAVEMENT PATCHING FOR  
HOT MIX ASPHALT SURFACED PAVEMENT

GENERAL NOTES

1. The width of the full depth patch over a trench shall be 12 (300) wider on each side of the trench.

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-104.03, NEW REVISION BOX, REVISED NOTES	T.P.				<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HOT MIX ASPHALT SURFACE REMOVAL OVER PATCHES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-15-05	REVISED DESIGNER NOTE	M.M.A.						673	103RS-3; 109RS-4	WOODFORD	21	19
10-16-06	REVISED TO 2007 SPEC.	M.A.						<b>CONTRACT NO. 68B24</b>				
							NOT TO SCALE	CADD STD. 440101-D4		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE  
WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) ⑩
- ⑪ 4(100) Double Solid (Yellow) ⑪

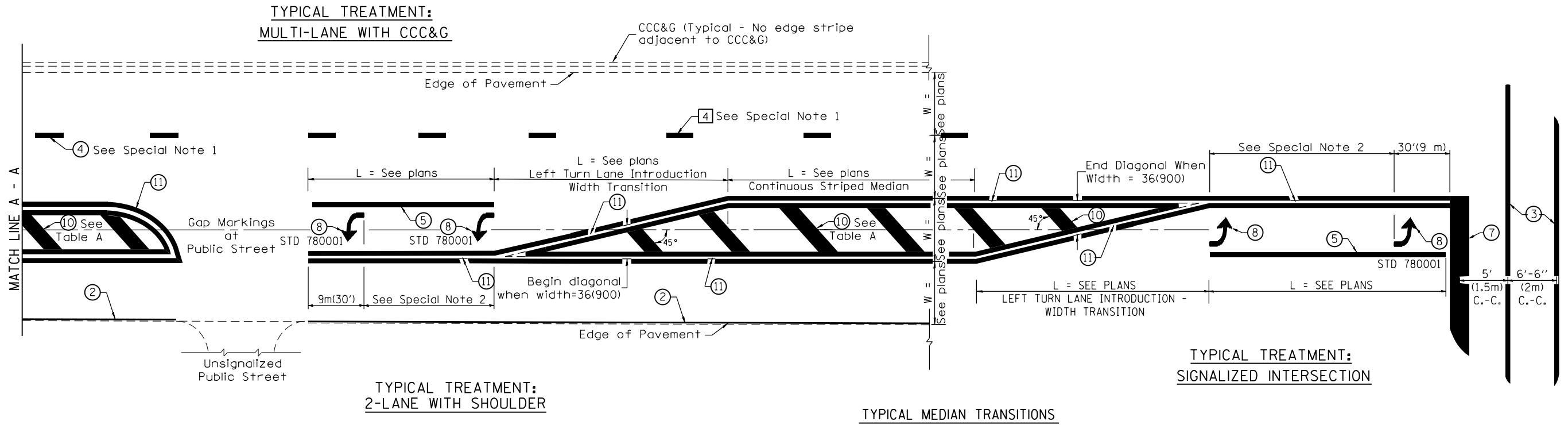
**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 80' (24 m).
  - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 200' (61 m).
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

**GENERAL NOTES**

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

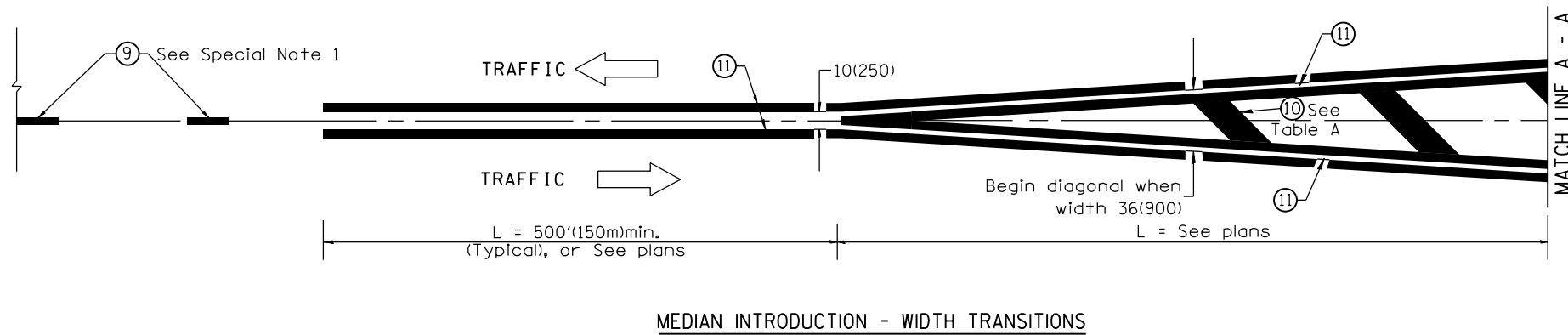
01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL PAVEMENT MARKINGS</b>	NOT TO SCALE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.						673	103R5-3; 109R5-4	WOODFORD	21	20
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.						SHT. 1 OF 2 CADD STD. 780001-D4			CONTRACT NO. 68B24	
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE**

**TABLE A**  
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



All dimensions are in inches (millimeters) unless otherwise noted.