

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 323 (US 36)
SECTION D7 HMA RESURF 2015-2

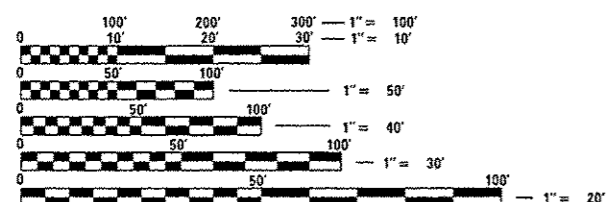
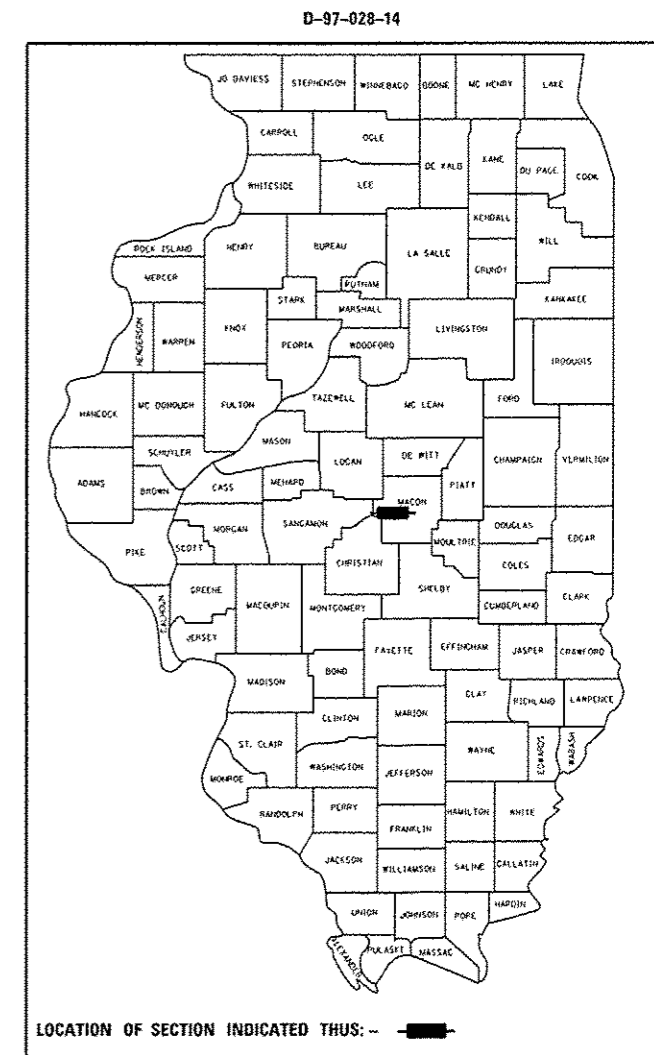
HMA RESURFACING
MACON COUNTY

C-97-068-14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	D7 HMA RESURF 2015-2	MACON	15	1
		ILLINOIS	CONTRACT NO. 74668	

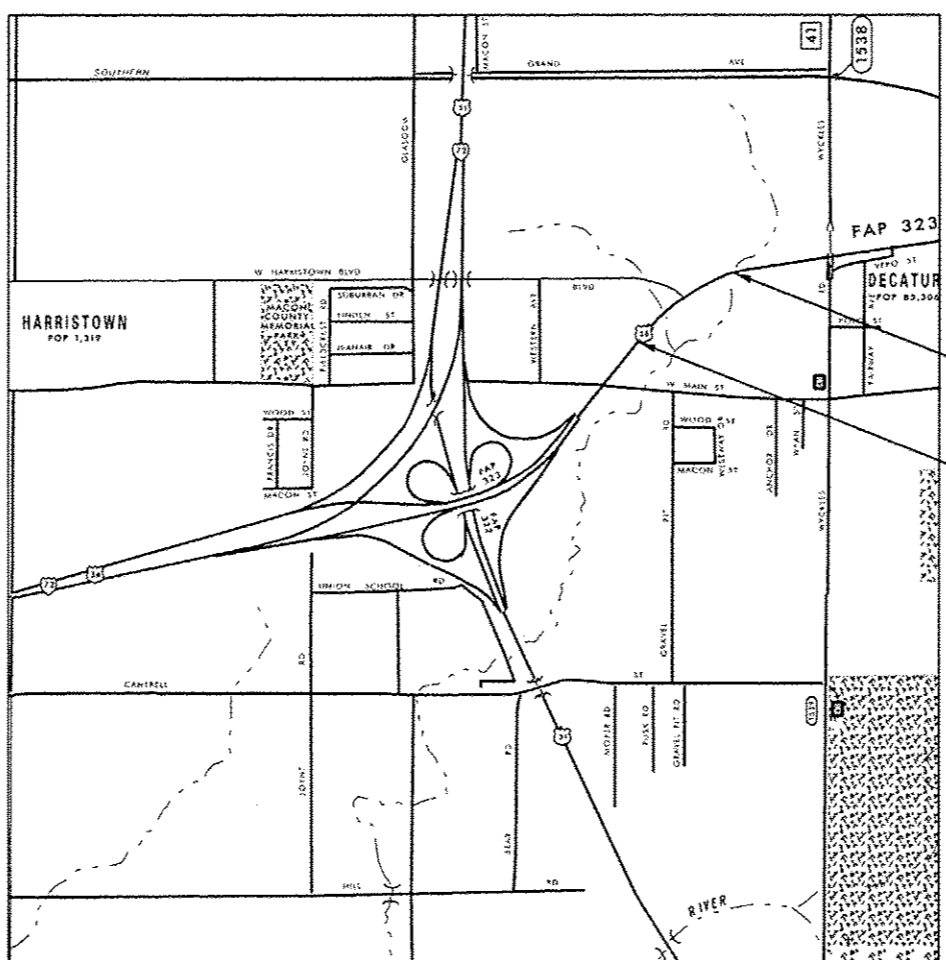
FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT (2013) = 6550



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



GROSS LENGTH = 2250 FT. = 0.426 MILE
NET LENGTH = 2250 FT. = 0.426 MILE

PROJECT ENGINEER: MARK DAUGHERTY
PROJECT MANAGER: JOYCE HEMMEN

CONTRACT NO. 74668

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 20 20 14
John D. Baranzelli
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 27 20 14
John D. Baranzelli, PE, EIT
ENGINEER OF DESIGN AND ENVIRONMENT

June 27 20 14
Omer Osman, PE, EIT
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION; ADOPTED JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET, AND "THE SPECIAL PROVISIONS" INCLUDED IN THE PROPOSAL. THE WORK INCLUDED IN THE SECTION 07 HMA RESURF 2015-2 CONSISTS OF HMA RESURFACING AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESS TO THE BITUMINOUS PLANT QUALITY CONTROL LAB SO THAT BITUMINOUS PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICES FOR OTHER ITEMS IN THE CONTRACT.

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED SURFACE AND HOT-MIX ASPHALT SURFACE COURSE AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACE.

IN ADDITION TO THE REQUIREMENTS IN ARTICLE 701.15(J), A LAPTOP COMPUTER SHALL BE SUPPLIED BY THE CONTRACTOR.

REFER TO ARTICLE 701.07 FOR THE DROP-OFF POLICY.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE: LEVEL BINDER (1")
 APPLICATION: Levelling Binder (Machine Method) N90
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ Ndesign = 90
 MIXTURE COMPOSITION: IL-9.5
 FRICTION AGGREGATE: N/A

MIXTURE USE: SURFACE COURSE (1 1/2")
 APPLICATION: Polymerized Hot-Mix Asphalt Surface Course, Mix "D", N90
 PG GRADE: SBS PG 70-22
 DESIGN AIR VOIDS: 4.0% @ Ndesign = 90
 MIXTURE COMPOSITION: IL-9.5
 FRICTION AGGREGATE: Mixture D

MIXTURE USE: 2-1/2" Shoulders
 APPLICATION: Hot Mix Asphalt Surface Course, IL-9.5L, N30
 PG GRADE: PG 64-22
 DESIGN AIR VOIDS: 4.0% @ Ndesign = 30
 MIXTURE COMPOSITION: IL-9.5L
 FRICTION AGGREGATE: N/A

INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER SHEET
2	INDEX OF SHEETS & GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5-6	TYPICAL SECTIONS
7	SCHEDULES
8	DETAILS
9-10	PLAN SHEETS
11-14	TYPICAL APPLICATIONS OF PAVEMENT MARKING
15	TYPICAL APPLICATIONS OF DETECTOR LOOPS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. :

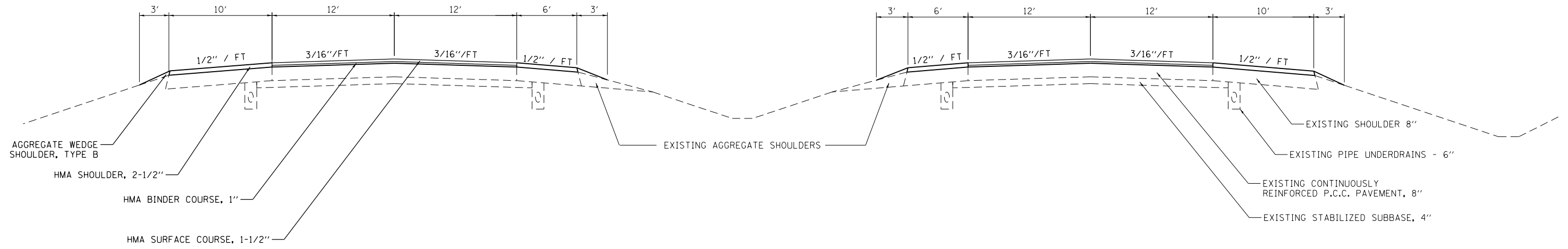
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND A FOOT
442101-07	CLASS B PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
701101-04	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE.
701421-06	URBAN LANE CLOSURE, MULTILANE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS >= 45 MPH TO 55 MPH
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-03	TRAFFIC CONTROL DEVICES

FILE NAME =	USER NAME = teesleyok	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & INDEX OF SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 5/28/2014	DATE -	SCALE:			SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

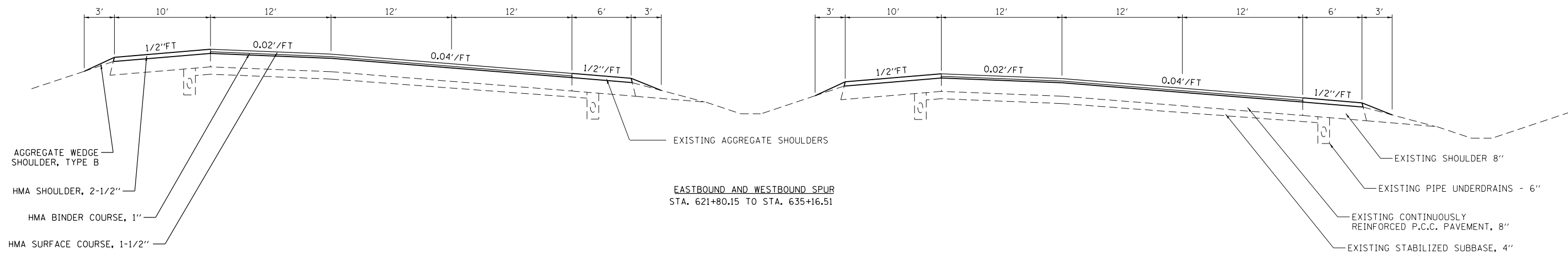
SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 URBAN 100% STATE		
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	822	822		
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	668	668		
40600990	TEMPORARY RAMP	SO YD	114	114		
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	1248	1248		
44200929	CLASS B PATCHES, TYPE I, 8 INCH	SO YD	10	10		
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SO YD	27	27		
44200942	CLASS B PATCHES, TYPE III, 8 INCH	SO YD	40	40		
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SO YD	793	793		
44201299	DOWEL BARS 1 1/2"	EACH	350	350		
44213100	PAVEMENT FABRIC	SO YD	834	834		
44213200	SAW CUTS	FOOT	1987	1987		
44213204	TIE BARS 3/4"	EACH	310	310		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	52	52		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 URBAN 100% STATE		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1099	1099		
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1	1		
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	2	2		
67100100	MOBILIZATION	L SUM	1	1		
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1		
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1		
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	15		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2216	2216		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	277	277		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	218	218		

10 * SPECIALTY ITEM

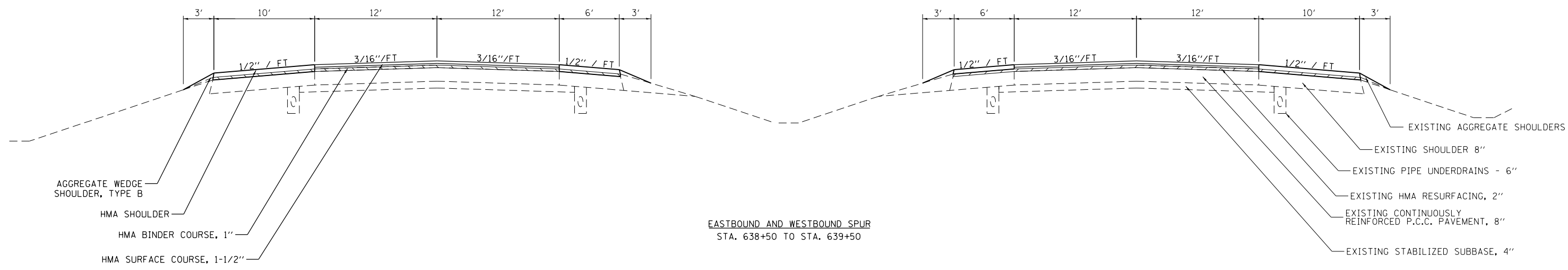


EASTBOUND AND WESTBOUND SPUR
 STA. 617+00.00 TO STA. 621+80.15
 STA. 635+16.51 TO STA. 638+50



EASTBOUND AND WESTBOUND SPUR
 STA. 621+80.15 TO STA. 635+16.51

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICALS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 5/20/2014	DATE -	REVISED -		CONTRACT NO. 74668								



AGGREGATE WEDGE SHOULDER, TYPE B
HMA SHOULDER
HMA BINDER COURSE, 1"
HMA SURFACE COURSE, 1-1/2"

EXISTING AGGREGATE SHOULDERS
EXISTING SHOULDER 8"
EXISTING PIPE UNDERDRAINS - 6"
EXISTING HMA RESURFACING, 2"
EXISTING CONTINUOUSLY REINFORCED P.C.C. PAVEMENT, 8"
EXISTING STABILIZED SUBBASE, 4"

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICALS			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

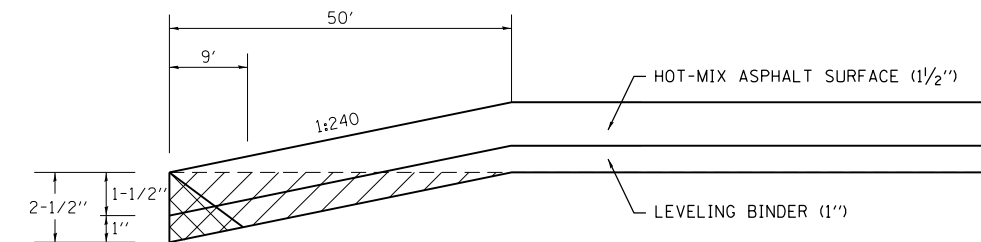
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323	D7 HMA RESURF 2015-2	MACON	15	6
CONTRACT NO.			74668	
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE

LOCATION	THERMOPLASTIC PAVEMENT MARKING - 4"		THERMOPLASTIC PAVEMENT MARKING - 6"		THERMOPLASTIC PAVEMENT MARKING - 8"		THERMOPLASTIC PAVEMENT MARKING - 12"		THERMOPLASTIC PAVEMENT MARKING - LINE 24"		SHORT TERM PAVEMENT MARKING		WORK ZONE PAVEMENT MARKING REMOVAL	DESCRIPTION		
	WHITE	YELLOW	WHITE	WHITE	YELLOW	WHITE	YELLOW	WHITE	WHITE	YELLOW	SO FT					
STATION TO STATION	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SO FT			
US 36 WESTBOUND	617+00.00	628+18.50			1119						12	224	89	39	PASSING LANE	
	628+55.00	639+50.00			1095							219	88	39	PASSING LANE	
	617+00.00	627+09.00	1009.00						12		80			10	DRIVING LANE	
	629+09.00	639+50.00	1041.00								83			10	DRIVING LANE	
	617+00.00	639+50.00			563						450			56	CENTERLINE	
	628+84.00	633+15.00			431				12		86			11	TURNLANE	
	SUB TOTAL		2050	2214	994				36	1142	177	165				
	US 36 EASTBOUND	617+00.00	628+18.50			1119						90	11		11	PASSING LANE
628+55.00		639+50.00			1095				12		88	11		11	PASSING LANE	
617+00.00		639+50.00	2250.00								180			23	DRIVING LANE	
617+00.00		639+50.00			562				12		450			56	CENTERLINE	
624+90.00		627+81.00			291				12		58			7	TURNLANE	
SUB TOTAL		2250	2214	853				36	688	178	108					
HARRISTOWN BLVD		216+34.00	217+18.25	197	0	20	173	155	352	68	24	20	11	4		
	SUB TOTAL		197	0	20	173	155	352	68	24	20	11	4			
GRAND TOTAL		4497	4427	1867	173	155	352	68	96	1850	366	277				

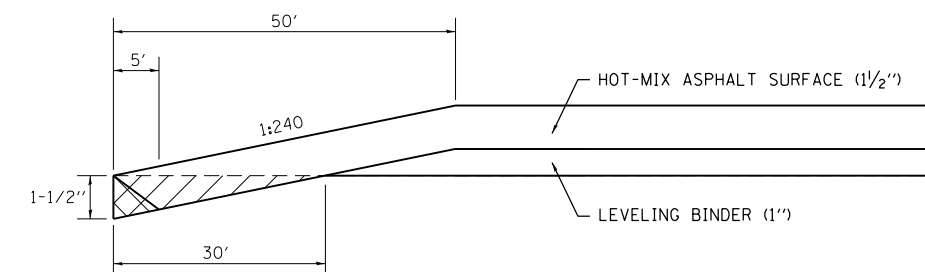
PAVING SCHEDULE

LOCATION	STATION TO STATION	LENGTH (FOOT)	LEVELING BINDER (MACHINE METHOD), N90	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	AGGREGATE SHOULDERS, TYPE B	HOT-MIX ASPHALT SHOULDERS	BITUMINOUS MATERIALS (PRIME COAT)	
			QUANTITY (TON)	QUANTITY (SQ YD)	QUANTITY (SQ YD)	QUANTITY (TON)	QUANTITY (TON)	QUANTITY (TON)	QUANTITY (POUND)	
US 36 WESTBOUND	617+00.00	626+92.00	992.00	148.14	133.335	37.33	222.21	11.57	246.90	2380.8
	626+92.00	627+55.00	63.00	13.72			20.58	0.74	15.68	220.5
	627+55.00	628+16.00	61.00	17.46			26.19	0.36	5.69	280.6
	628+16.00	628+57.00	41.00	11.74			17.60	0.00	0.00	188.6
	628+57.00	628+86.00	29.00	8.30			12.45	0.17	2.71	133.4
	628+86.00	629+28.00	42.00	10.71			16.07	0.49	10.45	172.2
	629+28.00	633+25.00	397.00	88.93			133.39	4.63	98.81	1429.2
	633+25.00	635+16.50	191.50	35.75			53.62	2.23	47.66	574.5
	635+16.50	638+50.00	333.50	49.80			74.70	3.89	83.00	800.4
	638+50.00	639+50.00	100.00	14.93			22.40	1.00	19.91	240
US 36 EASTBOUND	617+00.00	621+53.04	453.04	67.65	133.335	37.33	101.48	5.285466667	112.76	1087.30
	621+53.04	624+80.00	326.96	61.03			91.55	3.814533333	81.38	980.88
	624+80.00	627+92.00	312.00	69.89			104.83	3.64	77.65	1123.20
	627+92.00	628+80.00	88.00	35.04			52.57	1.026666667	13.69	563.20
	628+80.00	631+47.00	267.00	56.49			84.73	3.115	66.45	907.80
	631+47.00	638+50.00	703.00	104.98			157.47	8.201666667	174.97	1687.20
	638+50.00	639+50.00	100.00	14.93			22.40	1	19.91	240.00
HARRISTOWN BLVD	216+64.00	216+73.00	20.00	12.04	401.11	38.89	33.69	0.58	21.00	361.00
TOTAL			822	668	114	1248	52	1099	13371	



- PCC SURFACE REMOVAL BUTT JOINT
- TEMPORARY RAMP

PCC BUTT JOINT DETAIL - MAINLINE
 (EASTBOUND AND WESTBOUND LANES)
 STA 617+00 TO STA 617+50



- PCC SURFACE REMOVAL BUTT JOINT
- TEMPORARY RAMP

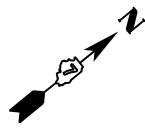
PCC BUTT JOINT DETAIL - HARRISTOWN ROAD
 STA 216+43 TO STA 216+93

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	D7 HMA RESURF 2015-2	MACON	15	8
CONTRACT NO.			74668	
ILLINOIS FED. AID PROJECT				



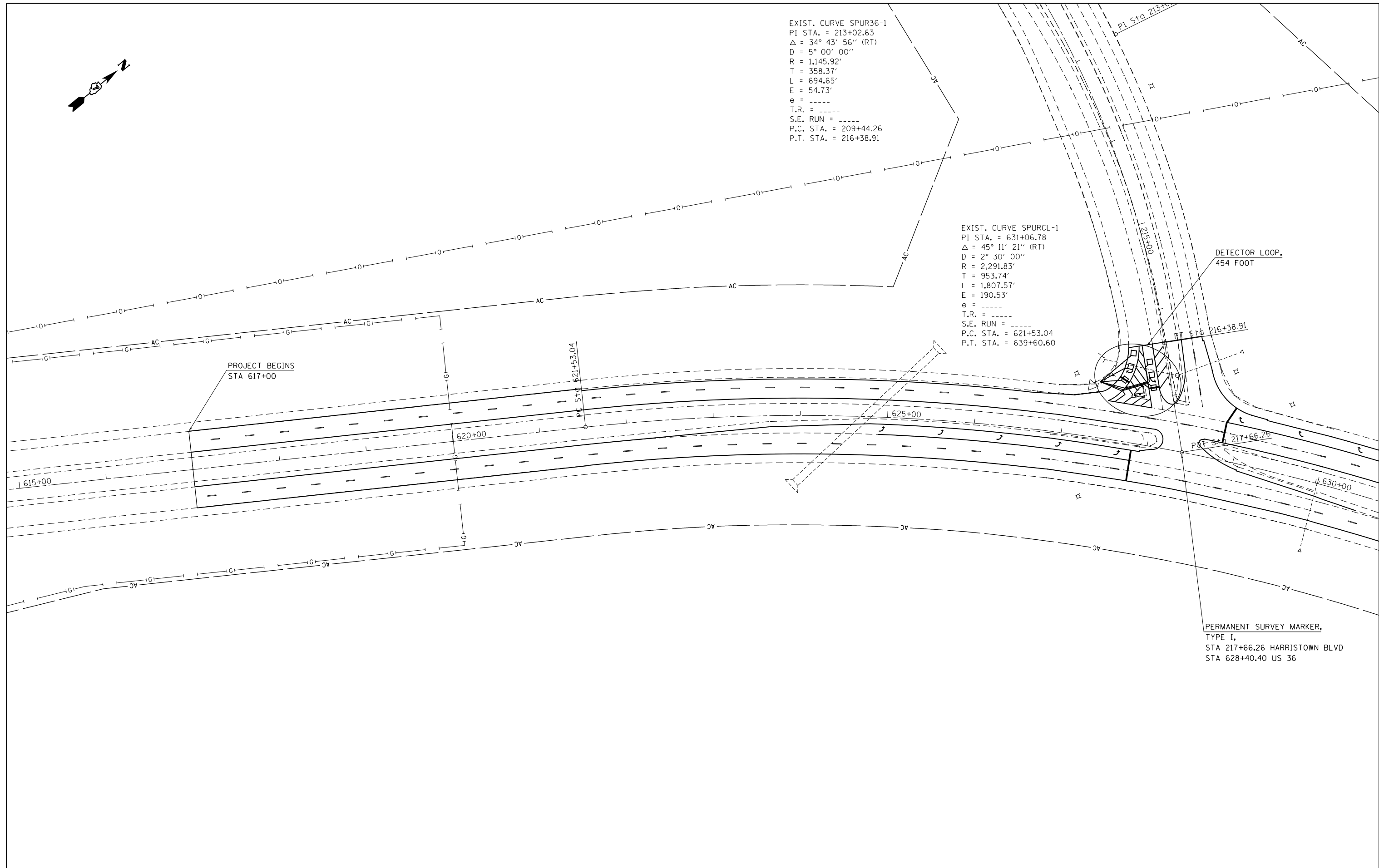
EXIST. CURVE SPUR36-1
 PI STA. = 213+02.63
 $\Delta = 34^\circ 43' 56''$ (RT)
 D = 5° 00' 00"
 R = 1,145.92'
 T = 358.37'
 L = 694.65'
 E = 54.73'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 209+44.26
 P.T. STA. = 216+38.91

EXIST. CURVE SPURCL-1
 PI STA. = 631+06.78
 $\Delta = 45^\circ 11' 21''$ (RT)
 D = 2° 30' 00"
 R = 2,291.83'
 T = 953.74'
 L = 1,807.57'
 E = 190.53'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 621+53.04
 P.T. STA. = 639+60.60

DETECTOR LOOP,
 454 FOOT

PERMANENT SURVEY MARKER,
 TYPE I,
 STA 217+66.26 HARRISTOWN BLVD
 STA 628+40.40 US 36

PROJECT BEGINS
 STA 617+00



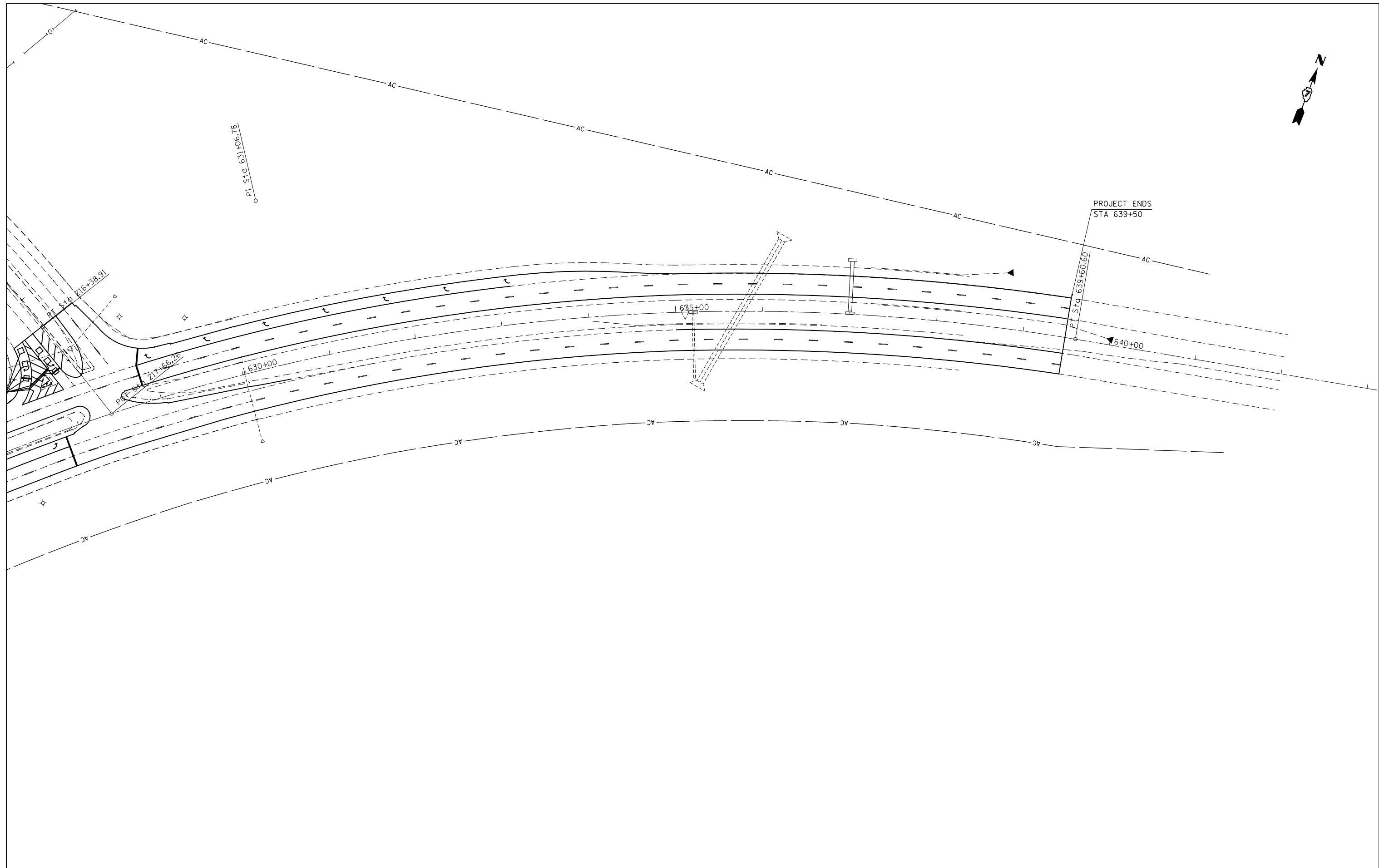
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	PLOT DATE = 5/20/2014	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
 STA 617+00 TO STA 630+00**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	D7 HMA RESURF 2015-2	MACON	15	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74668	



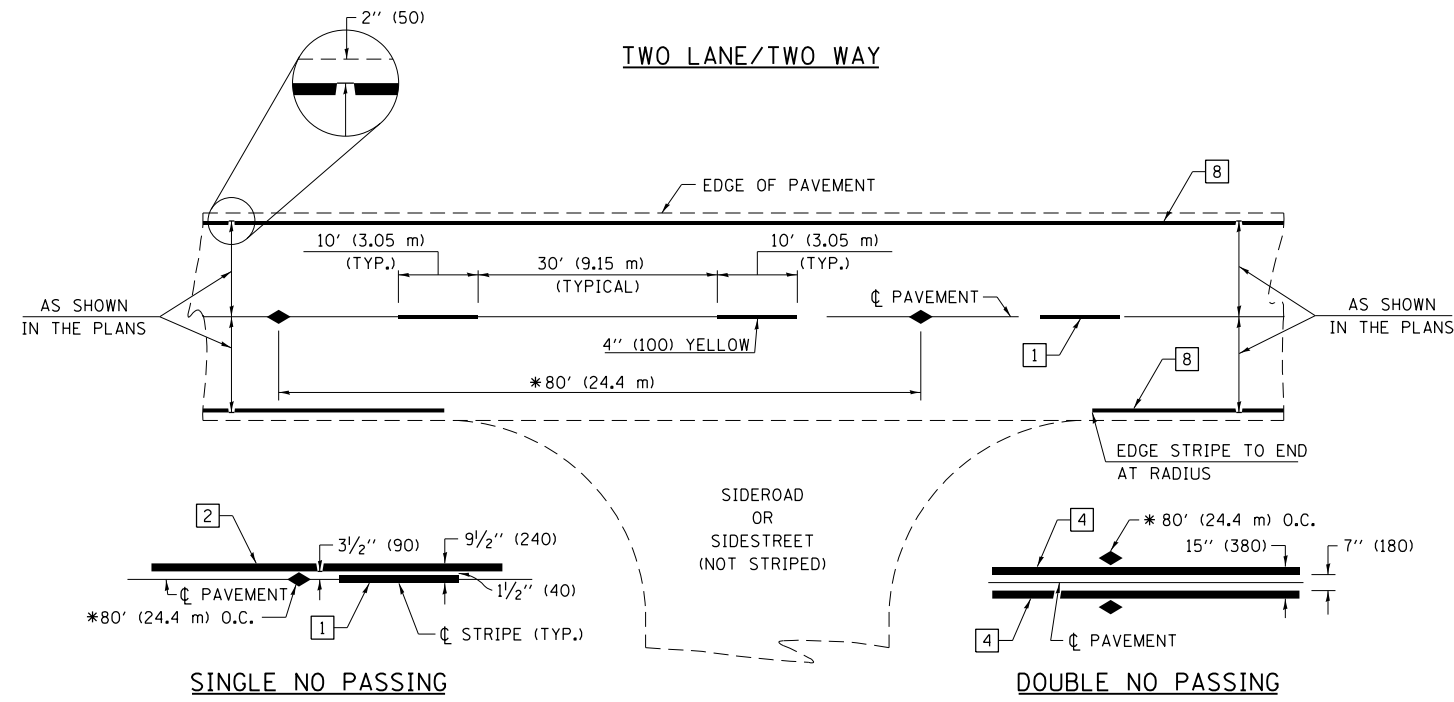
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**STATE OF ILLINOIS
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**PLAN SHEETS
STA 628+00 TO STA 639+50**

SCALE: SHEET OF SHEETS STA. TO STA.

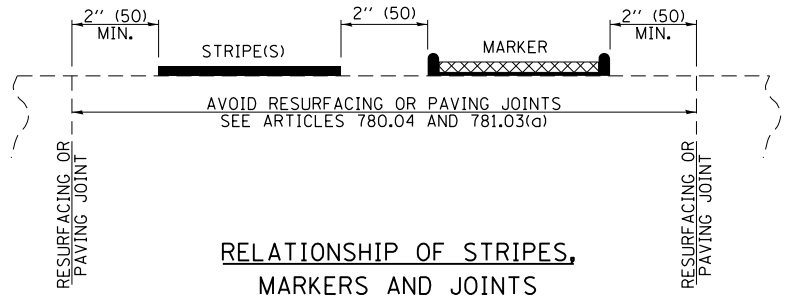
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	D7 HMA RESURF 2015-2	MACON	15	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74668	



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

PAVEMENT MARKING LEGEND

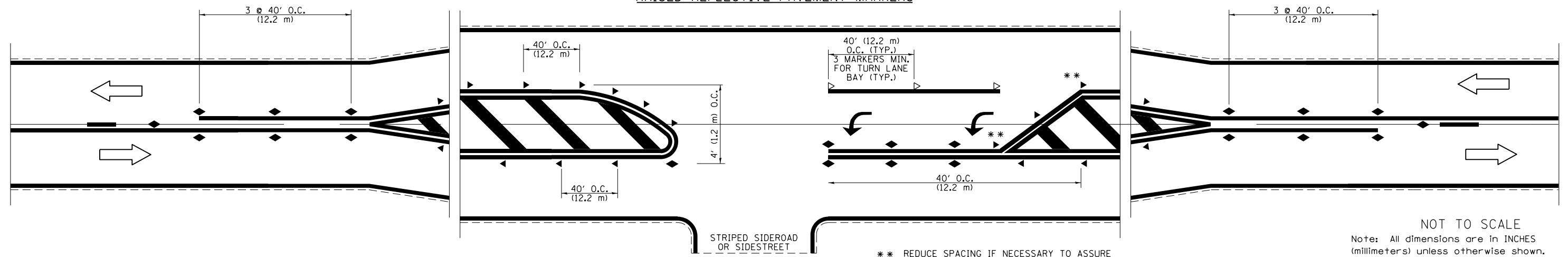
- 1 4" (100) SKIP-DASH (YELLOW)
 - 2 4" (100) SOLID (YELLOW)
 - 3 12" (300) DIAGONAL (YELLOW)
 - 4 4" (100) DOUBLE YELLOW (NARROW)
 - 5 12" (300) SOLID WHITE
 - 6 RESERVED
 - 7 6" (150) SKIP-DASH (WHITE)
 - 8 4" (100) SOLID (WHITE)
 - 9 12" (300) DIAGONAL (WHITE)
 - 10 6" (150) SOLID (WHITE)
 - 11 24"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



TYPICAL PAVEMENT MARKERS LEGEND

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

RAISED REFLECTIVE PAVEMENT MARKERS



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

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

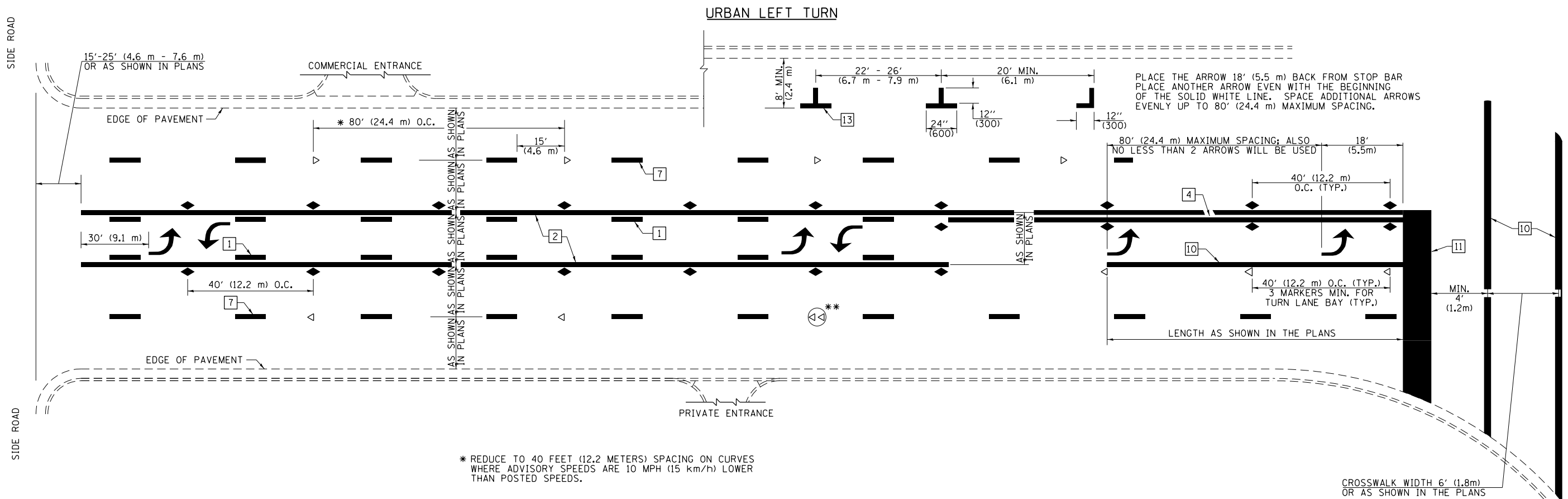
DISTRICT 7 DETAIL NO. 7800001

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**STATE OF ILLINOIS
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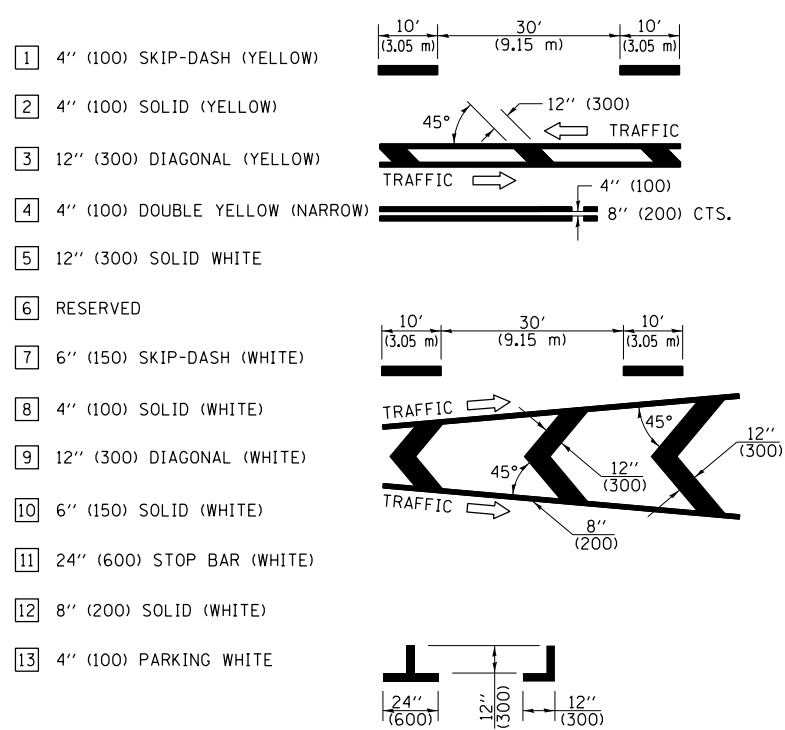
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	D7 HMA RESURF 2015-2	MACON	15	11
CONTRACT NO. 74668			ILLINOIS FED. AID PROJECT	



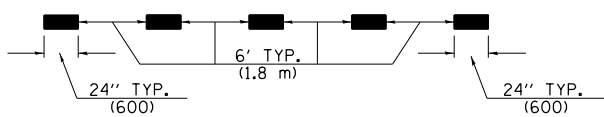
- * REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.
- ** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

PAVEMENT MARKING LEGEND

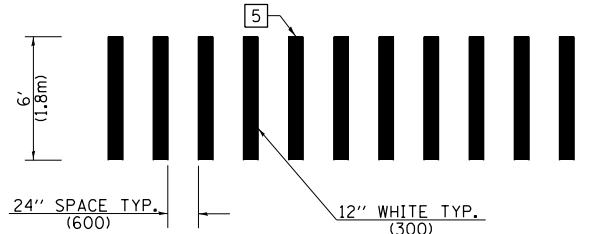


GENERAL NOTES

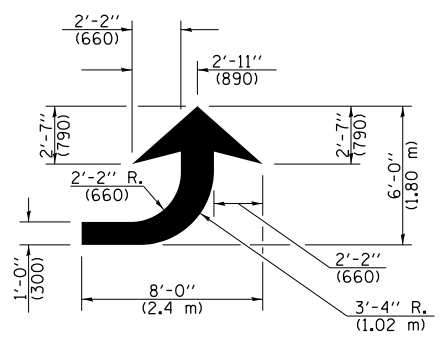
1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. 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.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.



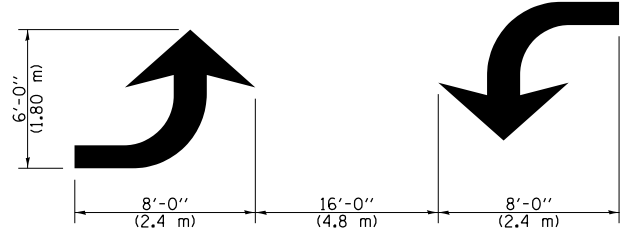
LANE LINE EXTENSIONS



CROSSWALK DETAIL (DECATUR CITY LIMITS ONLY)



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



TYPICAL DOUBLE TURN ARROWS (WHITE)

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 78000001

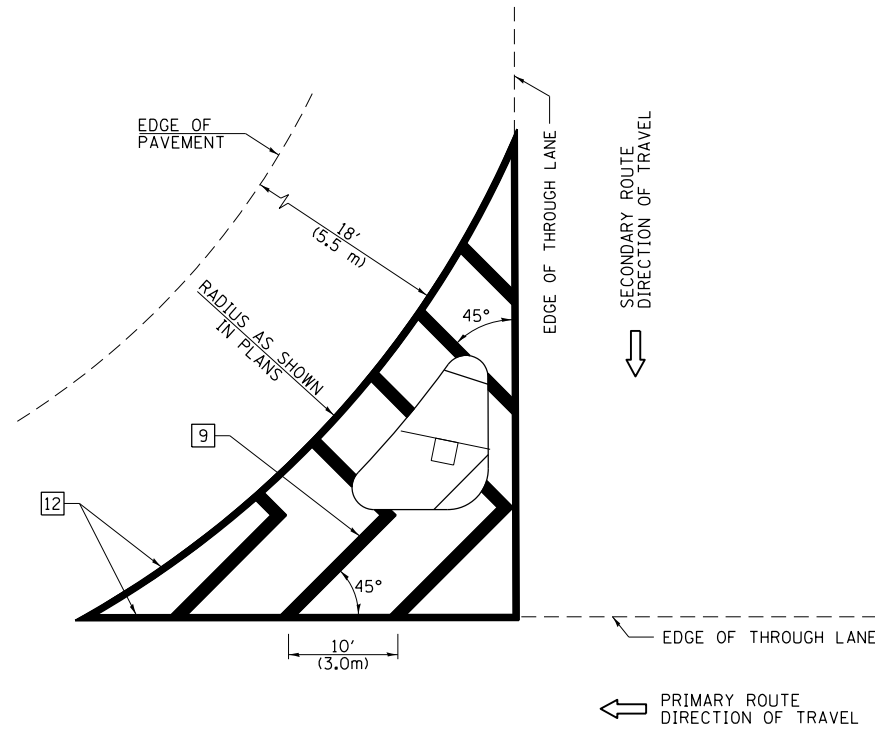
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	PLOT DATE = 5/20/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	D7 HMA RESURF 2015-2	MACON	15	12
CONTRACT NO. 74668				
ILLINOIS FED. AID PROJECT				

ISLAND

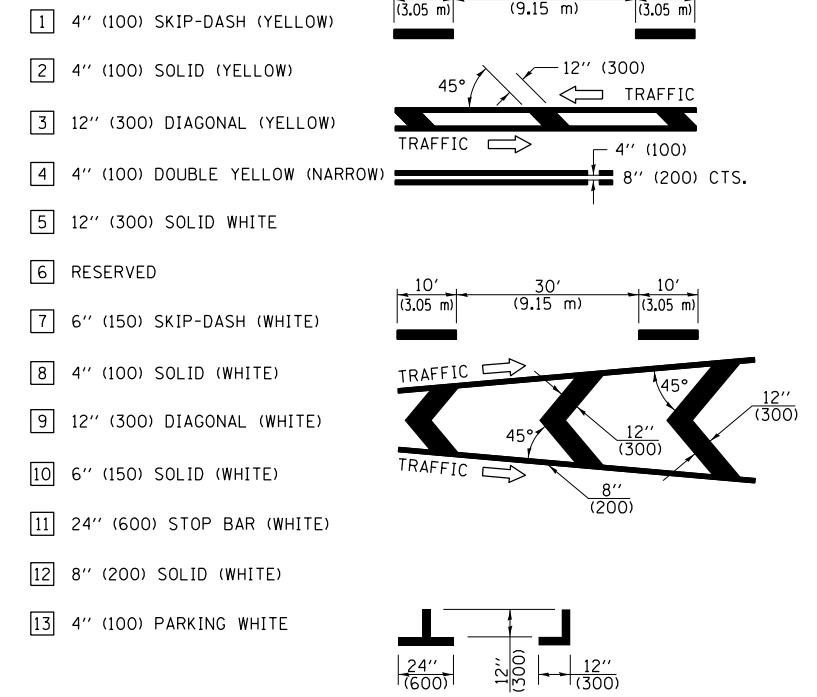


GENERAL NOTES

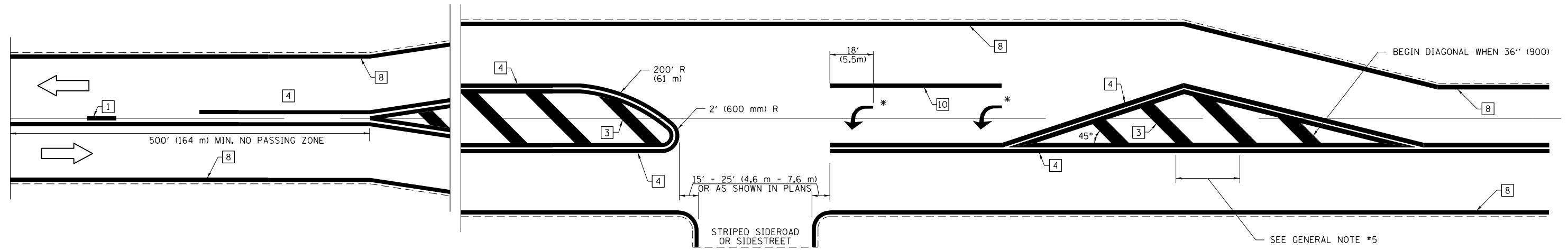
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

< 30 MPH (< 50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
> 45 MPH (> 75 km/h)	30' (9.0 m)

PAVEMENT MARKING LEGEND



RURAL LEFT TURN STRIPING



* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001

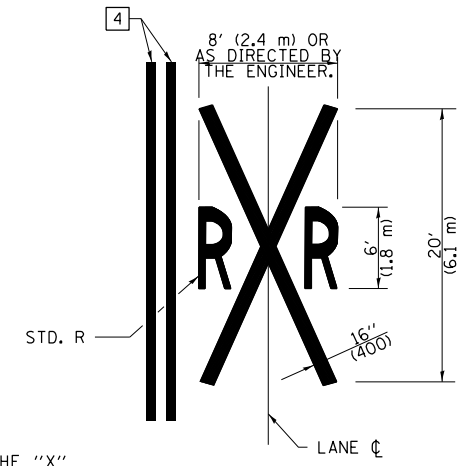
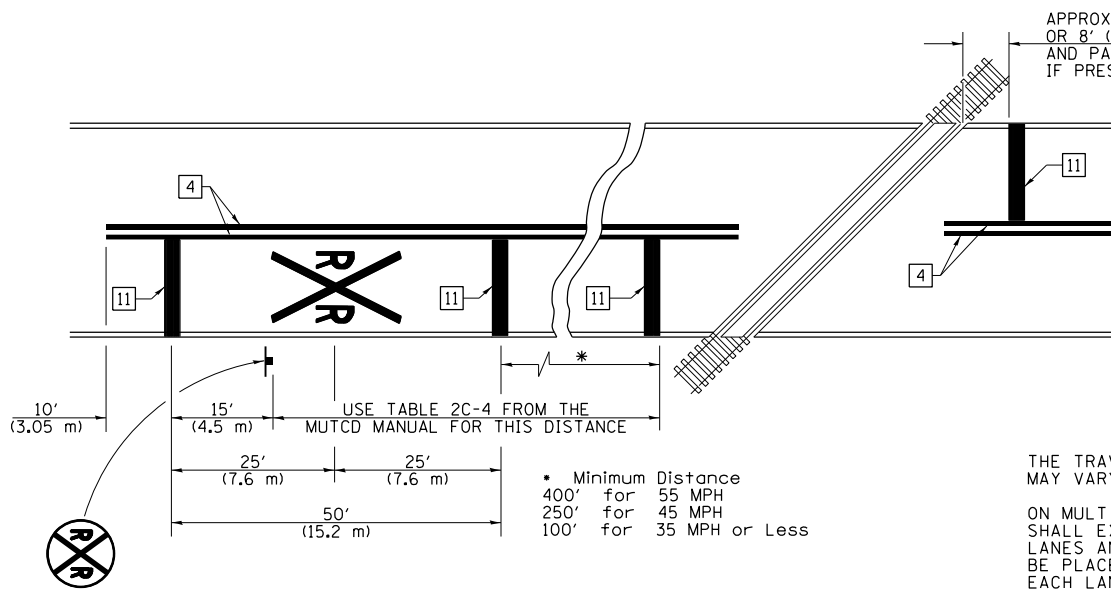
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	D7 HMA RESURF 2015-2	MACON	15	13
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PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

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

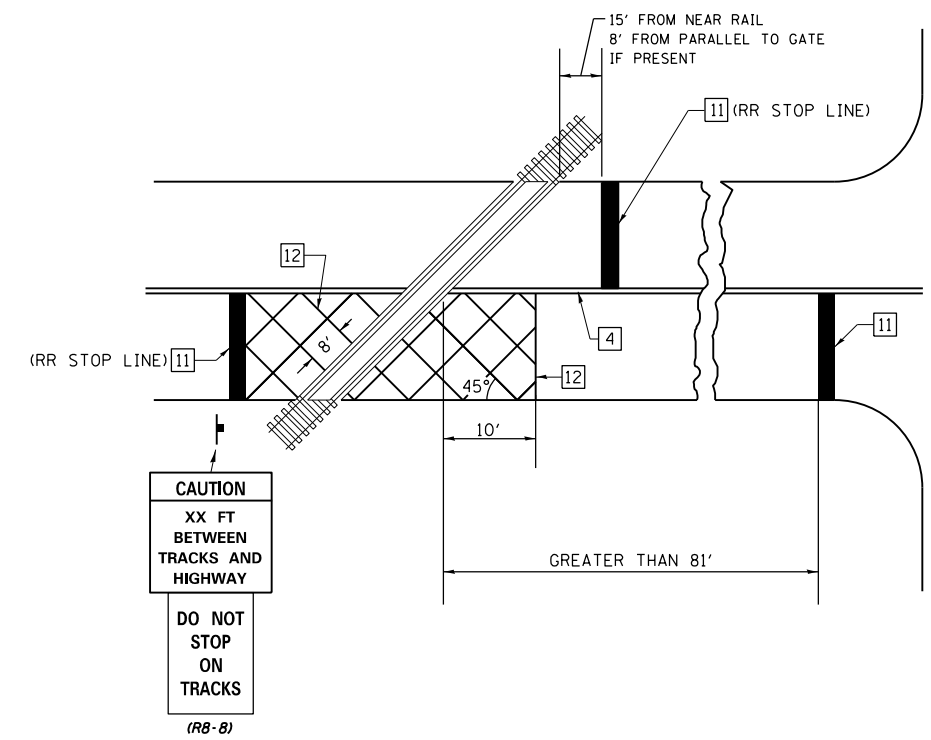
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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

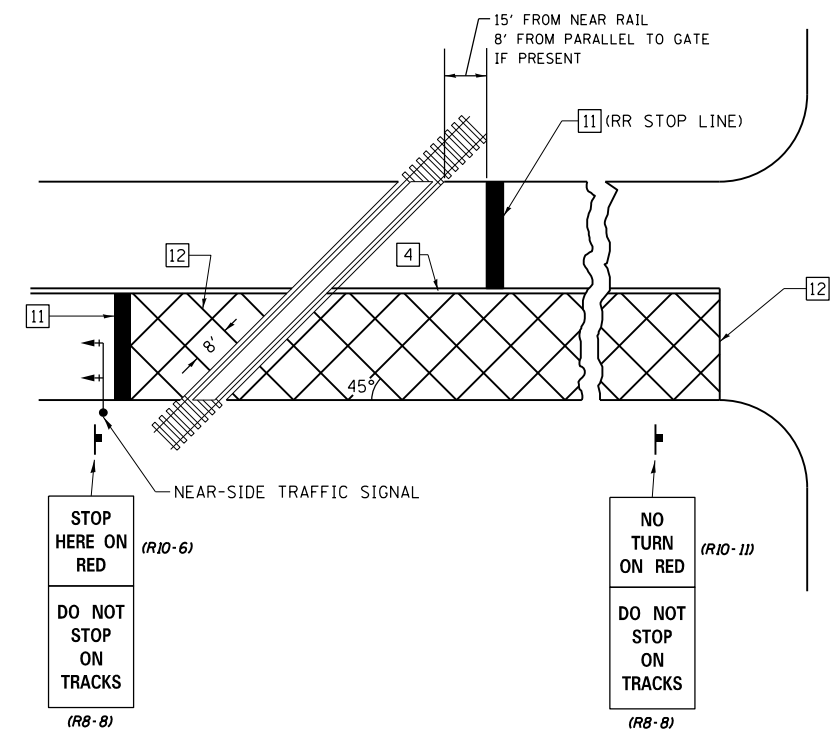
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) 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) PARKING WHITE

RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.

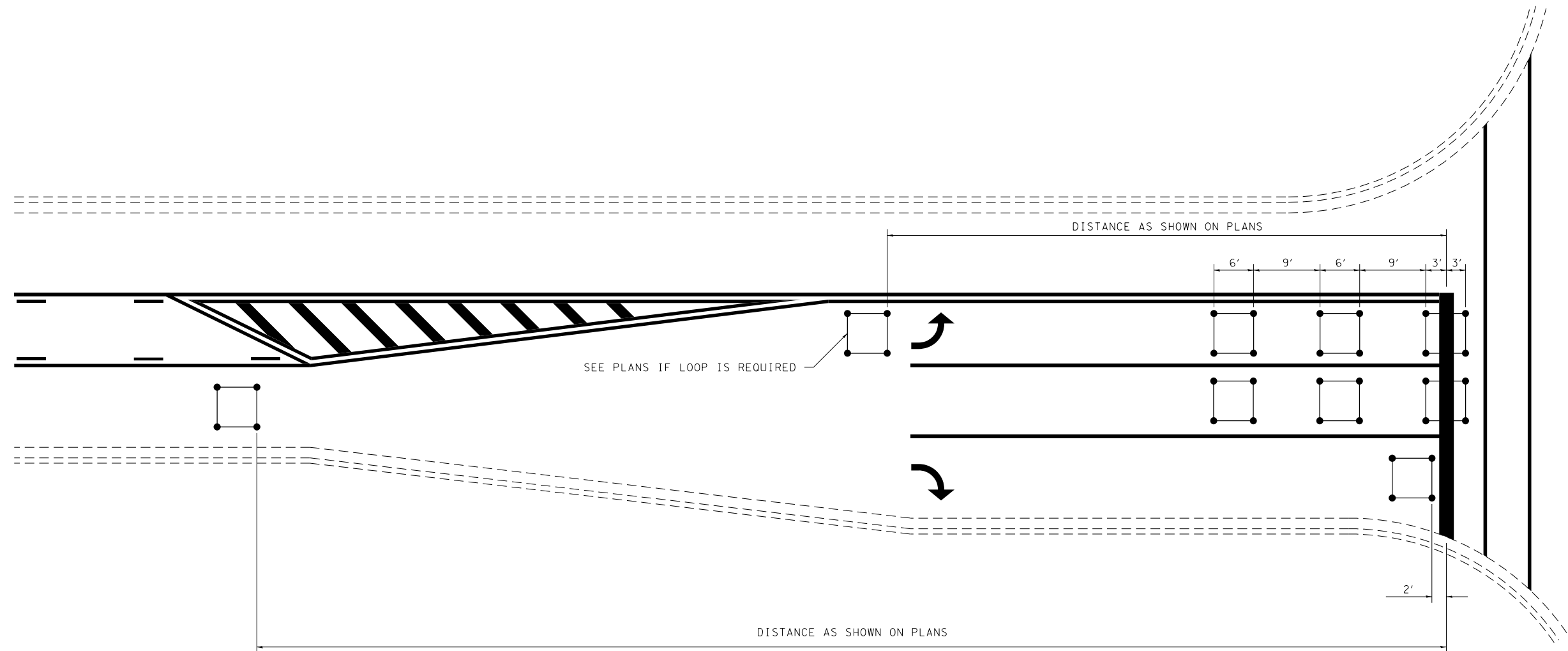
NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 78000001

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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 5/20/2014	DATE -	REVISED -									

TYPICAL APPLICATION OF DETECTOR LOOPS



NOTE:

1. EACH LOOP SHALL HAVE ITS OWN HOMERUN TO THE GULFBOX/HANDHOLE.
2. LOOPS SHOULD BE CENTERED IN EACH LANE.
3. USE 6' BY 6' LOOPS FOR LANE WIDTHS OF 11' OR GREATER.
4. USE 5' BY 5' LOOPS IF LANE WIDTH IS LESS THAN 11'.

NOT TO SCALE

DISTRICT 7 DETAIL NO. 88600100

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL APPLICATIONS OF DETECTOR LOOPS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	D7 HMA RESURF 2015-2	MACON	15	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74668	