

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• D5	MICROSURFACING 2016-1	**	13	1
ILLINOIS		CONTRACT NO. 70B87		

• F.A.I. ROUTE 74 & F.A.P. ROUTE 332
•• CHAMPAIGN & VERMILION COUNTY

D-95-026-16

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

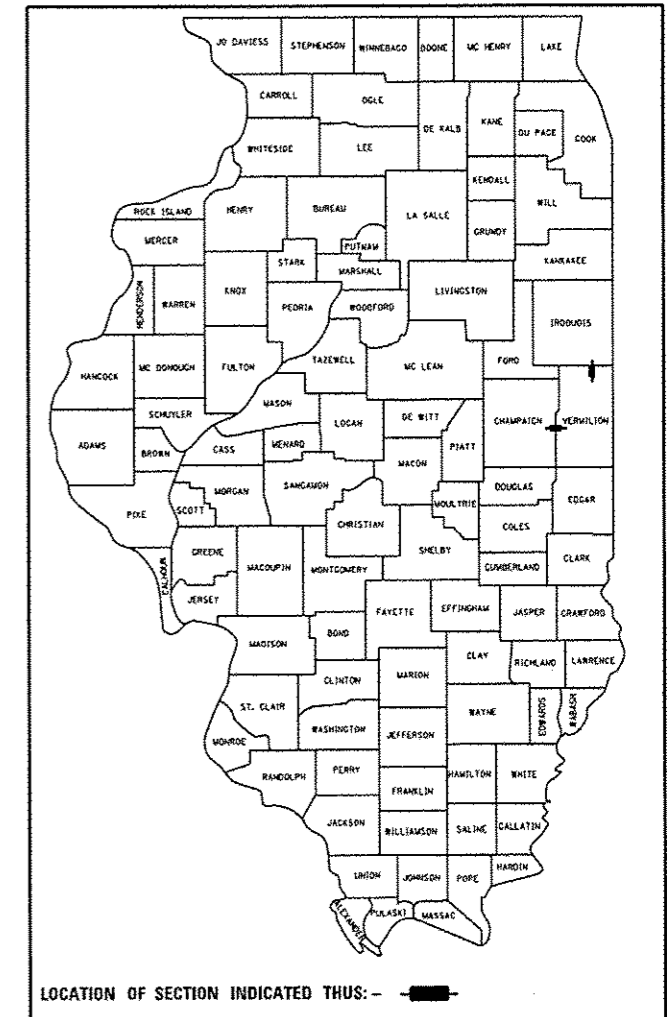
PROPOSED HIGHWAY PLANS

FAI ROUTE 74 (I-74) & FAP ROUTE 332 (IL 1)
SECTION D5 MICRO-SURFACING 2016-1

MICROSURFACING JOINT REPAIR
CHAMPAIGN & VERMILION COUNTY

C-95-026-16

W OF OGDEN TO ILL 49(N) & IROQUOIS CO LINE TO 3800N

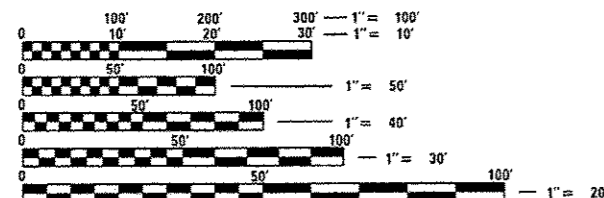


CURRENT TRAFFIC DATA						
	LEG "A"	LEG "B"	LEG "C"	LEG "D"	LEG "E"	LEG "F"
2016 ADT	27,700	26,800	2,900	5,450	5,000	5,750
P.U. %	72.2	70.5	81.3	92.8	93.3	89.7
S.U. %	4.1	3.8	6.1	2.1	2.2	5.3
M.U. %	23.7	25.7	12.6	5.1	4.5	5.0

LEG "A": I-74 FROM WEST OF OGDEN TO THE OGDEN INTERCHANGE.
LEG "B": I-74 FROM THE OGDEN INTERCHANGE TO THE IL 49 NORTH INTERCHANGE.
LEG "C": IL 1 FROM THE IROQUOIS COUNTY LINE TO THOMPSON AVE IN HOOPESTON.
LEG "D": IL 1 FROM THOMPSON AVE IN HOOPESTON TO IL 9.
LEG "E": IL 1 FROM IL 9 TO TR 13A.
LEG "F": IL 1 FROM TR 13A TO NORTH OF ROSSVILLE.

DESIGN DESIGNATION
N/A

FOR LOCATION MAP, SEE SHEET #2



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 (OGDEN, OAKWOOD, & GRANT TOWNSHIPS)
OR 811

PROJECT ENGINEER: NANCY FASIG
SQUAD LEADER: BRIAN J. HOGAN
DESIGNER: ANDREW BERGAN
(217) 465-4181

CONTRACT NO. 70B87

GROSS LENGTH = 48,480.00 FT. = 9.182 MILE
NET LENGTH = 41,164.00 FT. = 7.796 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

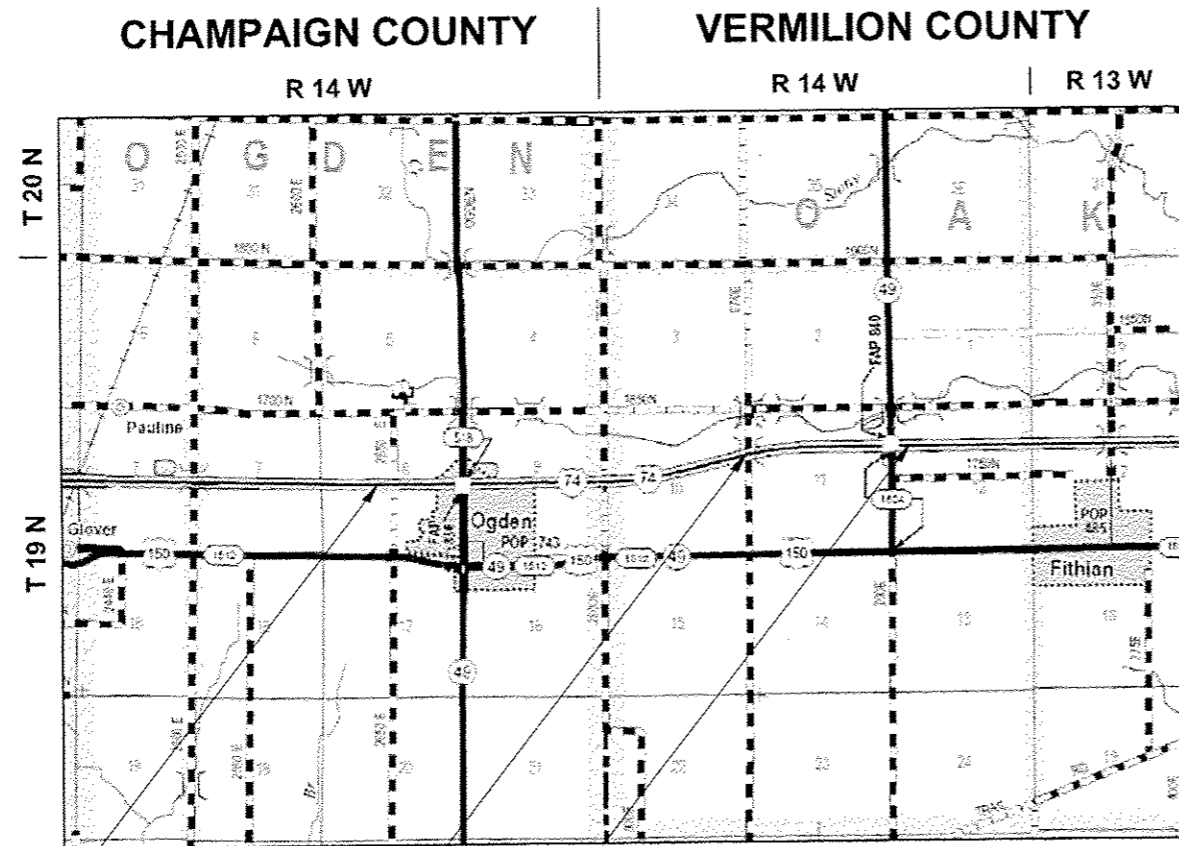
SUBMITTED MARCH 18, 2016
Kenneth A. Barrett
REGION THREE ENGINEER

May 6, 2016
Margaret M. Addicks
ENGINEER OF DESIGN AND ENVIRONMENT

May 6, 2016
Cher Osman
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

LOCATION MAP



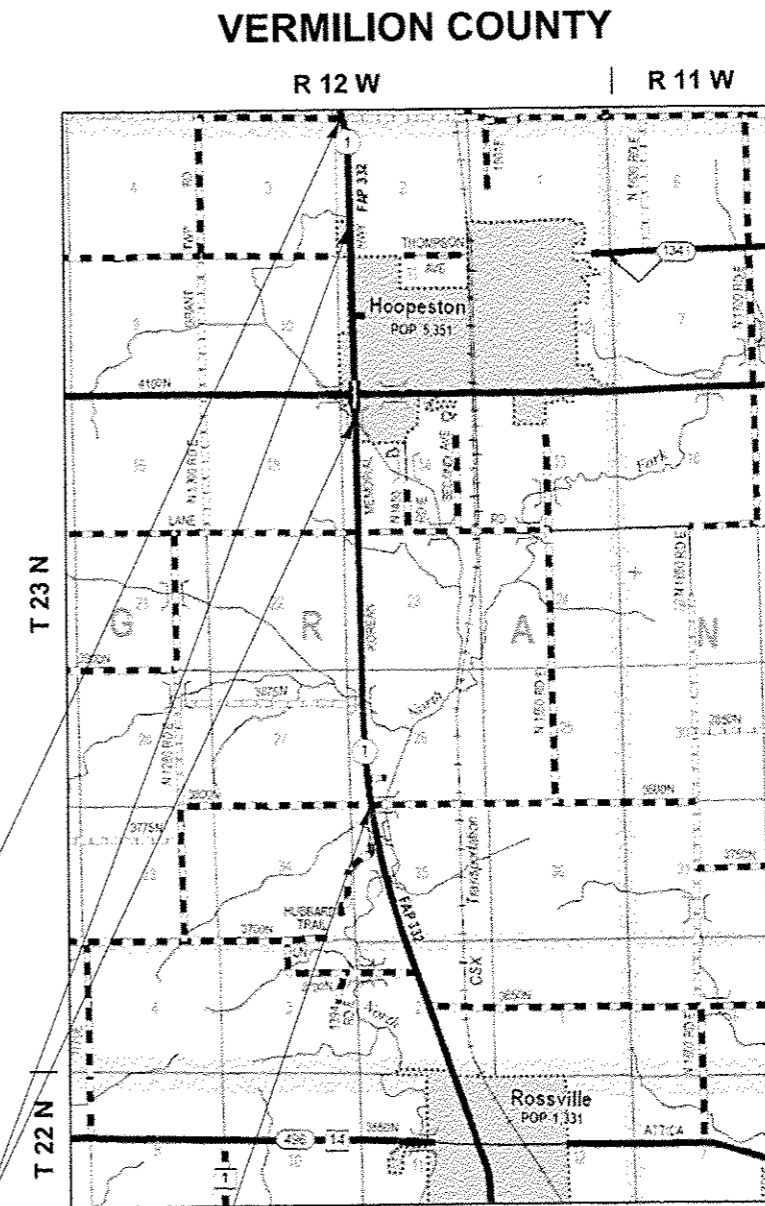
PROJECT BEGINS
STATION 961+00 I-74

BRIDGE OMISSION
SN 092-0146
1106+33.00 - 1108+27.00

PROJECT ENDS
STATION 1180+00 I-74

I-74 LOCATION

GROSS LENGTH = 21,900.00' = 4.148 MILES
NET LENGTH = 21,706.00' = 4.111 MILES



PROJECT ENDS
STATION 1205+80 IL 1

OMISSION
1087+58.00 - 1158+80.00

PROJECT BEGINS
STATION 940+00 IL 1

TOTAL PROJECT

GROSS LENGTH = 48,480.00' = 9.182 MILES
NET LENGTH = 41,164.00' = 7.796 MILES

IL 1 LOCATION

GROSS LENGTH = 26,580.00' = 5.034 MILES
NET LENGTH = 19,458.00' = 3.685 MILES

FILE NAME =	USER NAME = bergenej	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PROJECT NAME =	PROJECT DATE = 1/22/2016	CHECKED -	REVISED -		SCALE:	SHEET 1 OF 1 SHEETS	STA. TO STA.	• 05 MICROSURFACING 2016-1	**	13	2
MODEL NAME =		DATE -	REVISED -								CONTRACT NO. 70B87
ILLINOIS FED. AID PROJECT											

• F.A.I. ROUTE 74 & F.A.P. ROUTE 332
•• CHAMPAIGN & VERMILION COUNTY

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	LOCATION MAP
3	INDEX OF SHEETS
3	HIGHWAY STANDARDS
3	GENERAL NOTES
4	SUMMARY OF QUANTITIES
5-6	TYPICAL SECTIONS
7-8	SCHEDULE OF QUANTITIES
9-12	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
13	PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS)

GENERAL NOTES

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

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-406M
ALL AGGREGATE TO BE USED IN THE MICRO-SURFACING MIXTURE SHALL BE STOCKPILED ON A PAVED SURFACE TO PREVENT CONTAMINATION WITH OVERSIZED (>3/8") AGGREGATE. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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.-703-SPL
PAINT WILL NOT BE ALLOWED TO BE USED FOR SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS. PAVEMENT MARKING TAPE SHALL BE USED AT ALL LOCATIONS WHERE WORK ZONE PAVEMENT MARKINGS ARE CALLED OUT IN THE PLANS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-781
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

NO COMMITMENTS

HIGHWAY STANDARDS

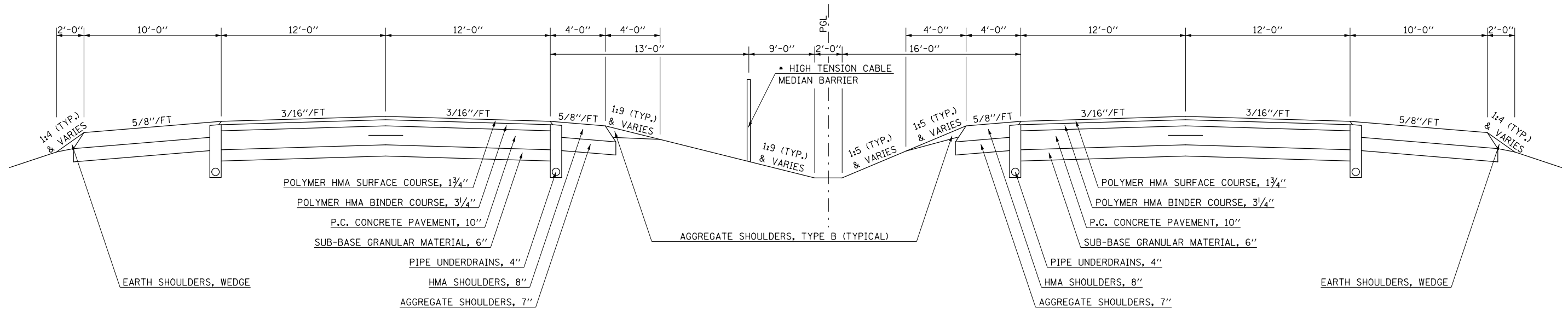
STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701400-08	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-10	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701426-08	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS >= 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-05	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

* F.A.I. ROUTE 74 & F.A.P. ROUTE 332
** CHAMPAIGN & VERMILION COUNTY

FILE NAME =	USER NAME = bergenej	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, GENERAL NOTES & HIGHWAY STANDARDS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pu:\1\084610\INTEG\Illinois.gov\1007\Documents\1007 Offices\District 5\Projects\DS7\DRAMA\Drawings\Design\DS70887 - GENM.DWG	DRAMA\Drawings\Design\DS70887 - GENM.DWG	CHECKED -	REVISED -			* 05	05 MICROSURFACING 2016-1	**	13	3
MODELNAME4	PLLOT SCALE = 48.0000 "/ in.	DATE -	REVISED -			CONTRACT NO. 70887				
	PLLOT DATE = 1/22/2016					ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET 1 OF 1 SHEETS		STA. TO STA.		

EXISTING TYPICAL SECTION F.A.I. 74 ①

STATION TO STATION
 EB & WB 961+00.00 TO 1053+06.00 CHAMPAIGN COUNTY
 EB & WB 1053+06.00 TO 1180+00.00 VERMILION COUNTY

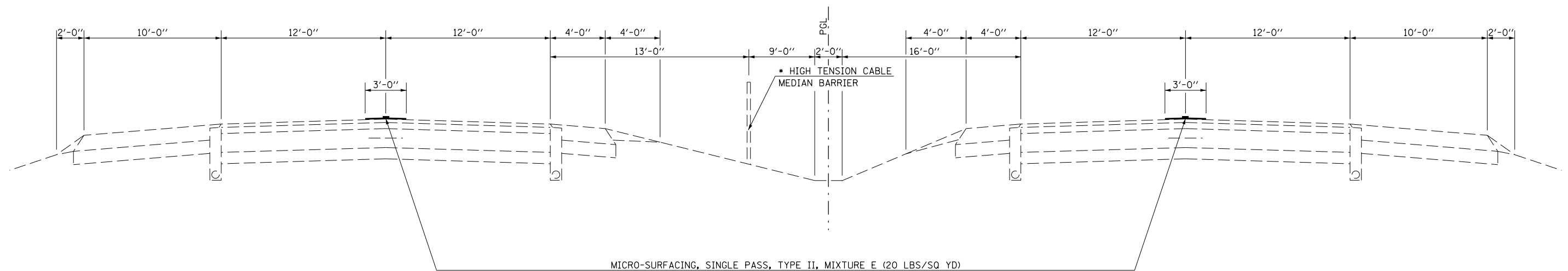


* CABLE GUARDRAIL LOCATION ALTERNATES BETWEEN EASTBOUND AND WESTBOUND SIDE

PROPOSED TYPICAL SECTION F.A.I. 74 ①

STATION TO STATION
 EB & WB 961+00.00 TO 1053+06.00 CHAMPAIGN COUNTY
 EB & WB 1053+06.00 TO 1180+00.00 VERMILION COUNTY

OMISSIONS FROM SECTION
 STATION TO STATION
 (SN 092-0146) 1106+33.00 TO 1108+27.00



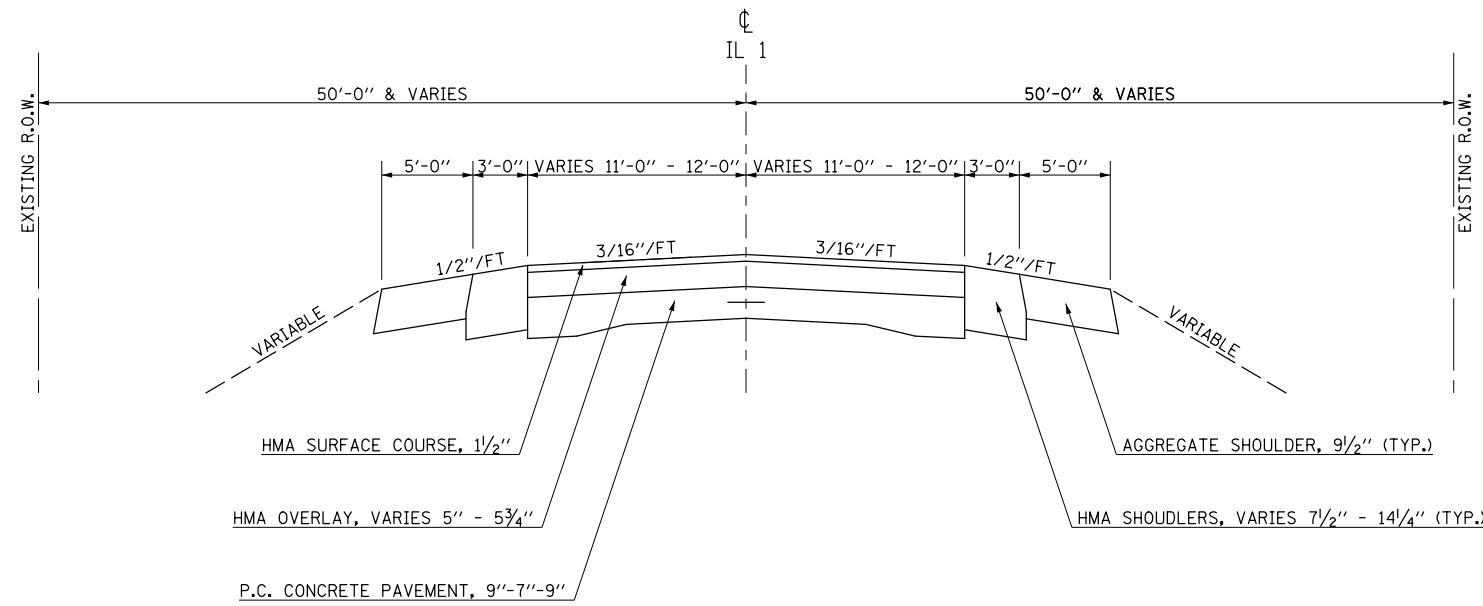
* CABLE GUARDRAIL LOCATION ALTERNATES BETWEEN EASTBOUND AND WESTBOUND SIDE

FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0570\BROWNDATA\Design\0570887 - Typicals.dgn PLOT SCALE = 40.0000' / in. #MODELNAME#						•	D5 MICROSURFACING 2016-1	••	13	5
PLOT DATE = 1/22/2016 CHECKED - DATE -					SCALE:	SHEET 1 OF 2 SHEETS		STA.	TO STA.	
						ILLINOIS FED. AID PROJECT		CONTRACT NO. 70B87		

• F.A.I. ROUTE 74 & F.A.P. ROUTE 332
 •• CHAMPAIGN & VERMILION COUNTY

EXISTING TYPICAL SECTION F.A.P. 332 (2)

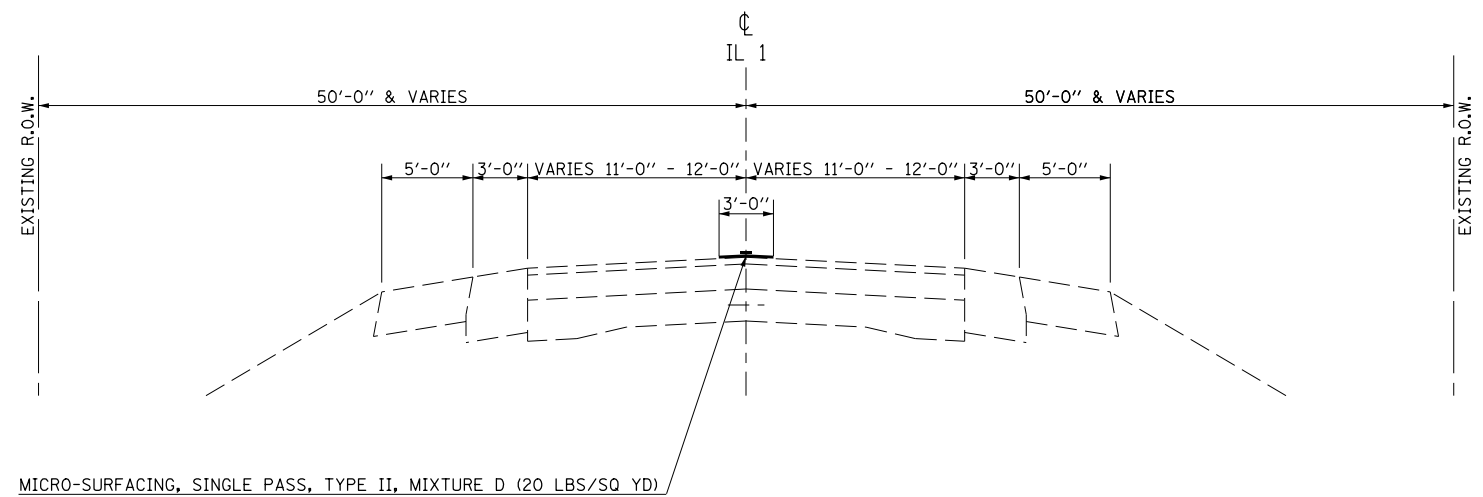
STATION 940+00.00 TO STATION 1205+80.00



PROPOSED TYPICAL SECTION F.A.P. 332 (2)

STATION 940+00.00 TO STATION 1205+80.00

OMISSIONS FROM SECTION
STATION 1087+58.00 TO STATION 1158+80.00



FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISED -
p:\IL\084EBID\INTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0570887\DRAWING\Design\0570887 - Typical.dgn		CHECKED -	REVISED -
#MODELNAME#	PLOT DATE = 1/22/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	D5 MICROSURFACING 2016-1	••	13	6
CONTRACT NO. 70B87				
ILLINOIS FED. AID PROJECT				

• F.A.I. ROUTE 74 & F.A.P. ROUTE 332
•• CHAMPAIGN & VERMILION COUNTY

SCHEDULE OF QUANTITIES

MICRO-SURFACING

LOCATION	COUNTY	STATION	TO	STATION	LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ FT)	AREA (SQ YD)	PRIME COAT RATE (LBS/SQ FT)	BITUMINOUS MATERIALS (TACK COAT) 40600290 (POUND)	FIBER-MODIFIED ASPHALT CRACK SEALING X0326218 (FOOT)	MICRO-SURFACING, SINGLE PASS, TYPE II MIXTURE E Z0063803 (SQ YD)	MICRO-SURFACING, SINGLE PASS, TYPE II MIXTURE D Z0063804 (SQ YD)
FAI 74 (I-74) EASTBOUND													
I-74 EB	CHAMPAIGN	961+00.00		1053+06.00	9,206.00	3.0	27,618.0	3,068.7	0.025	690.5	9,206.0	3,068.7	0.0
I-74 EB	VERMILION	1053+06.00		1106+33.00	5,327.00	3.0	15,981.0	1,775.7	0.025	399.5	5,327.0	1,775.7	0.0
SN 092-0146	VERMILION	1106+33.00		1108+27.00	194.00								
I-74 EB	VERMILION	1108+27.00		1180+00.00	7,173.00	3.0	21,519.0	2,391.0	0.025	538.0	7,173.0	2,391.0	0.0
FAI 74 (I-74) WESTBOUND													
I-74 WB	CHAMPAIGN	961+00.00		1053+06.00	9,206.00	3.0	27,618.0	3,068.7	0.025	690.5	9,206.0	3,068.7	0.0
I-74 WB	VERMILION	1053+06.00		1106+33.00	5,327.00	3.0	15,981.0	1,775.7	0.025	399.5	5,327.0	1,775.7	0.0
SN 092-0146	VERMILION	1106+33.00		1108+27.00	194.00								
I-74 WB	VERMILION	1108+27.00		1180+00.00	7,173.00	3.0	21,519.0	2,391.0	0.025	538.0	7,173.0	2,391.0	0.0
FAP 332 (IL 1)													
IL 1	VERMILION	940+00.00		1087+58.00	14,758.00	3.0	44,274.0	4,919.3	0.025	1,106.9	14,758.0	0.0	4,919.3
SN 092-0191	VERMILION	1087+58.00		1089+12.00	154.00								
IL 1	VERMILION	1158+80.00		1205+80.00	4,700.00	3.0	14,100.0	1,566.7	0.025	352.5	4,700.0	0.0	1,566.7
I-74 CHAMPAIGN COUNTY EASTBOUND TOTAL:										690.5	9,206.0	3,068.7	0.0
I-74 CHAMPAIGN COUNTY EASTBOUND ROUNDED:										700.0	9,210.0	3,070.0	0.0
I-74 VERMILION COUNTY EASTBOUND TOTAL:										937.5	12,500.0	4,166.7	0.0
I-74 VERMILION COUNTY EASTBOUND ROUNDED:										940.0	12,500.0	4,170.0	0.0
I-74 CHAMPAIGN COUNTY WESTBOUND TOTAL:										690.5	9,206.0	3,068.7	0.0
I-74 CHAMPAIGN COUNTY WESTBOUND ROUNDED:										700.0	9,210.0	3,070.0	0.0
I-74 VERMILION COUNTY WESTBOUND TOTAL:										937.5	12,500.0	4,166.7	0.0
I-74 VERMILION COUNTY WESTBOUND ROUNDED:										940.0	12,500.0	4,170.0	0.0
IL 1 VERMILION COUNTY TOTAL:										1,459.4	19,458.0	0.0	6,486.0
IL 1 VERMILION COUNTY ROUNDED:										1,460.0	19,460.0	0.0	6,490.0
GRAND TOTAL:										4,740.0	62,880.0	14,480.0	6,490.0

CHANGEABLE MESSAGE SIGN

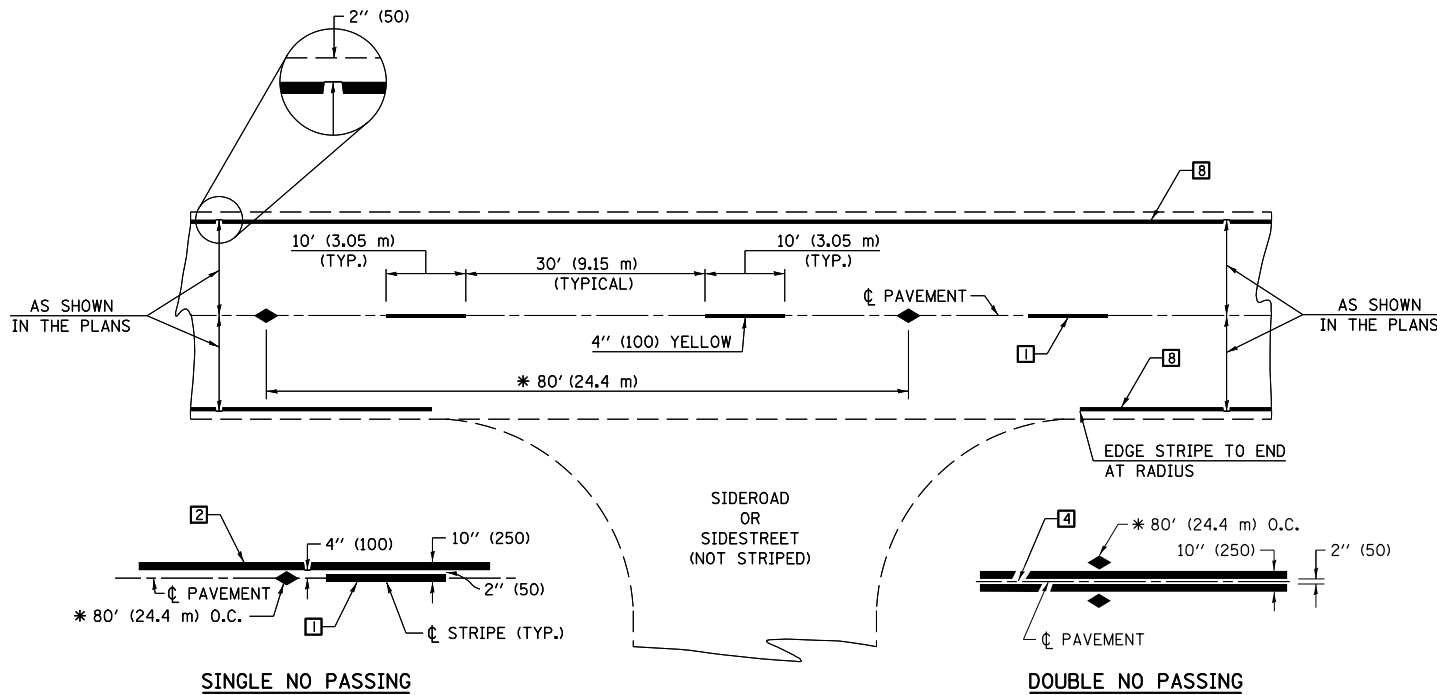
LOCATION	CHANGEABLE MESSAGE SIGN X7015005 (CAL DAY)	
	7 DAYS IN ADVANCE OF THE START OF WORK	ADVANCED WARNING DURING MICRO-SURFACING OPERATIONS
I-74 EB	7.0	7.0
I-74 WB	7.0	7.0
GRAND TOTAL:	28.0	

* F.A.I. ROUTE 74 & F.A.P. ROUTE 332
** CHAMPAIGN & VERMILION COUNTY

SCHEDULE OF QUANTITIES

PAVEMENT MARKING

LOCATION	COUNTY	STATION	TO	STATION	LENGTH (FOOT)	STRIPE LAYOUT*	STRIPE WIDTH (INCH)	YELLOW	WHITE	SHORT TERM PAVEMENT MARKING REMOVAL 70300150 (SQ FT)	YELLOW	WHITE	PAVEMENT MARKING REMOVAL 78300100 (SQ FT)	RAISED REFLECTIVE PAVEMENT MARKER 78100100 (EACH)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL 78300200 (EACH)
								SHORT TERM PAVEMENT MARKING 70300100 (FOOT)			MODIFIED URETHANE PAVEMENT MARKING - LINE, 4" 78009004 (FOOT)				
FAI 74 (I-74) EASTBOUND															
I-74 EB	CHAMPAIGN	961+00.00		1053+06.00	9,206.00	SD	4.0	0.0	920.6	306.9	0.0	2,301.5	767.2	231.0	231.0
I-74 EB	VERMILION	1053+06.00		1106+33.00	5,327.00	SD	4.0	0.0	532.7	177.6	0.0	1,331.8	443.9	134.0	134.0
SN 092-0146	VERMILION	1106+33.00		1108+27.00	194.00										
I-74 EB	VERMILION	1108+27.00		1180+00.00	7,173.00	SD	4.0	0.0	717.3	239.1	0.0	1,793.3	597.8	180.0	180.0
FAI 74 (I-74) WESTBOUND															
I-74 WB	CHAMPAIGN	961+00.00		1053+06.00	9,206.00	SD	4.0	0.0	920.6	306.9	0.0	2,301.5	767.2	231.0	231.0
I-74 WB	VERMILION	1053+06.00		1106+33.00	5,327.00	SD	4.0	0.0	532.7	177.6	0.0	1,331.8	443.9	134.0	134.0
SN 092-0146	VERMILION	1106+33.00		1108+27.00	194.00										
I-74 WB	VERMILION	1108+27.00		1180+00.00	7,173.00	SD	4.0	0.0	717.3	239.1	0.0	1,793.3	597.8	180.0	180.0
FAP 332 (IL 1)															
IL 1	VERMILION	940+00.00		1084+00.00	14,400.00	SD	4.0	1,440.0	0.0	480.0	3,600.0	0.0	1,200.0	180.0	180.0
IL 1	VERMILION	1084+00.00		1087+58.00	358.00	SD NP	4.0	35.8	0.0	11.9	447.5	0.0	149.2	5.0	5.0
SN 092-0191	VERMILION	1087+58.00		1089+12.00	154.00										
IL 1	VERMILION	1158+80.00		1163+60.00	480.00	SD NP	4.0	48.0	0.0	16.0	600.0	0.0	200.0	6.0	6.0
IL 1	VERMILION	1163+60.00		1205+80.00	4,220.00	SD	4.0	422.0	0.0	140.7	1,055.0	0.0	351.7	53.0	53.0
I-74 CHAMPAIGN COUNTY EASTBOUND TOTAL:								920.6		306.9	2,301.5		767.2	231.0	231.0
I-74 CHAMPAIGN COUNTY EASTBOUND ROUNDED:								930.0		310.0	2,310.0		770.0	240.0	240.0
I-74 VERMILION COUNTY EASTBOUND TOTAL:								1,250.0		416.7	3,125.1		1,041.7	314.0	314.0
I-74 VERMILION COUNTY EASTBOUND ROUNDED:								1,250.0		420.0	3,130.0		1,050.0	320.0	320.0
I-74 CHAMPAIGN COUNTY WESTBOUND TOTAL:								920.6		306.9	2,301.5		767.2	231.0	231.0
I-74 CHAMPAIGN COUNTY WESTBOUND ROUNDED:								930.0		310.0	2,310.0		770.0	240.0	240.0
I-74 VERMILION COUNTY WESTBOUND TOTAL:								1,250.0		416.7	3,125.1		1,041.7	314.0	314.0
I-74 VERMILION COUNTY WESTBOUND ROUNDED:								1,250.0		420.0	3,130.0		1,050.0	320.0	320.0
IL 1 VERMILION COUNTY TOTAL:								1,945.8		648.6	5,702.5		1,900.9	244.0	244.0
IL 1 VERMILION COUNTY ROUNDED:								1,950.0		650.0	5,710.0		1,910.0	250.0	250.0
GRAND TOTAL:								6,310.0		2,110.0	16,590.0		5,550.0	1,370.0	1,370.0



* 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

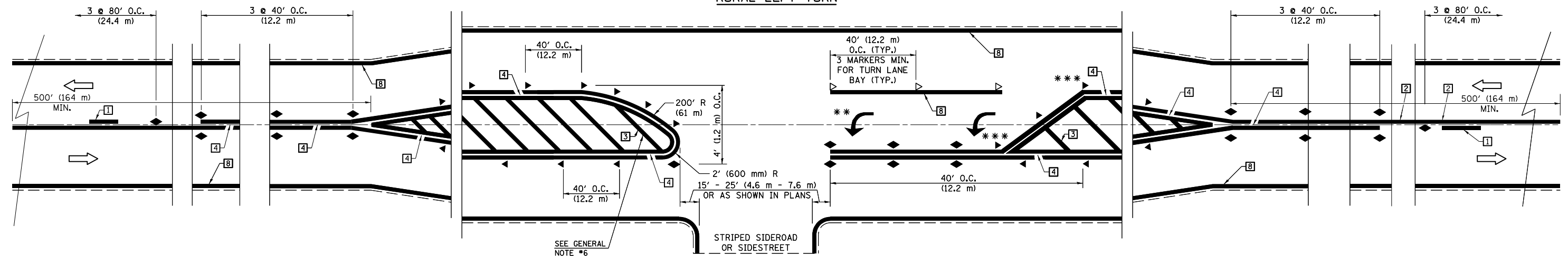
TYPICAL PAVEMENT MARKING LEGEND

- 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



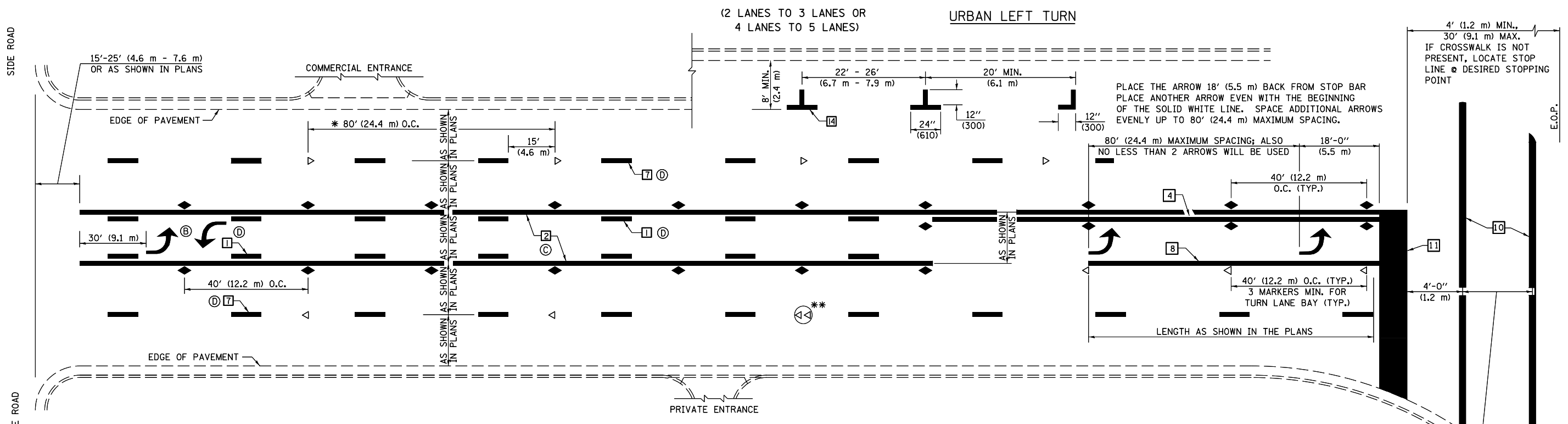
*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.
 ** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.
 • F.A.I. ROUTE 74 & F.A.P. ROUTE 332
 •• CHAMPAIGN & VERMILION COUNTY

DISTRICT 5 DETAIL NO. 7800AAAA

FILE NAME =	USER NAME = bergena.j	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)	F.A.I. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\057\BID\Drawings\Design\0570887 - Details		CHECKED -	REVISED - 09/2009 - KJT			•	D5 MICROSURFACING 2016-1	••	13	9
PLOT SCALE = 40.0000' / in.		DATE -	REVISED - 04/14 - JLA			CONTRACT NO. 70B87				
PLOT DATE = 1/22/2016			REVISED -			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

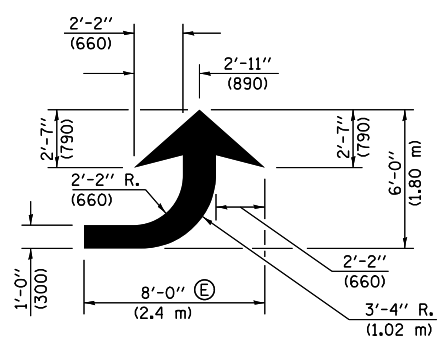
SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.



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

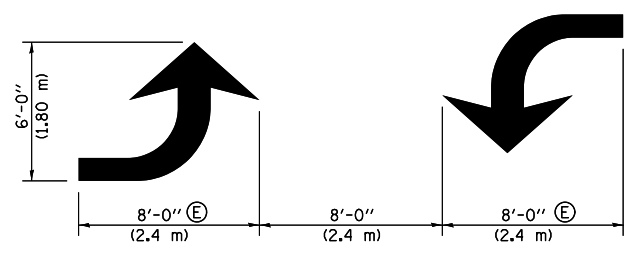
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

- 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)



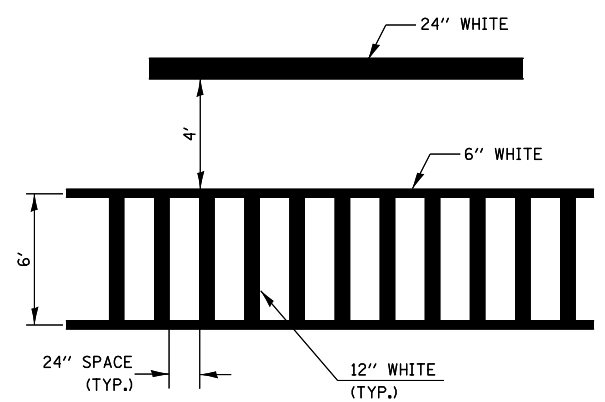
LEFT ARROW

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

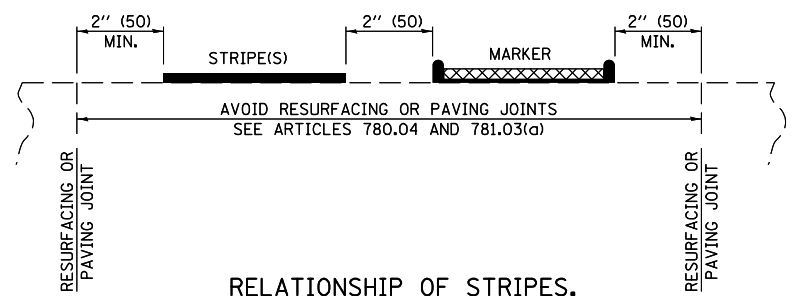


TYPICAL DOUBLE TURN ARROWS (WHITE)

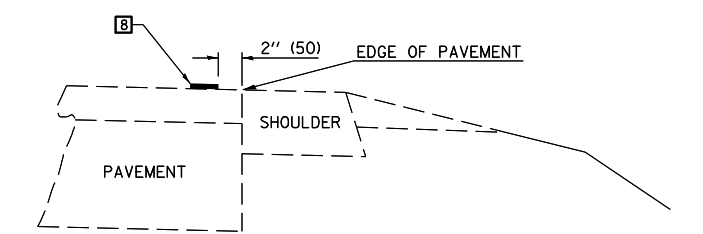
BLOOMINGTON-NORMAL CITY LIMITS ONLY



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

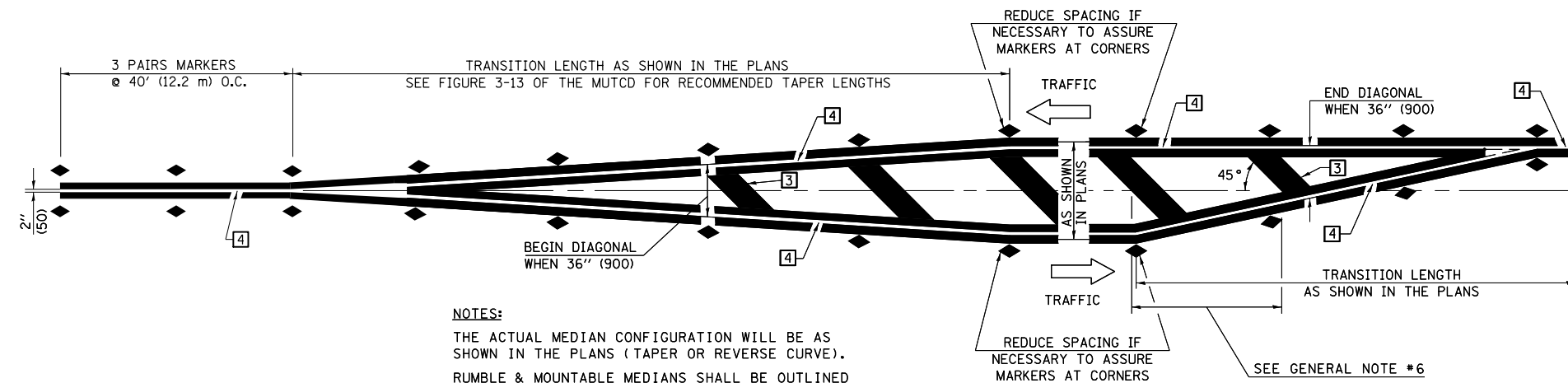
CROSSWALK WIDTH 6'-0" (1.8 m) OR AS SHOWN IN THE PLANS

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.
 • F.A.I. ROUTE 74 & F.A.P. ROUTE 332
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SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

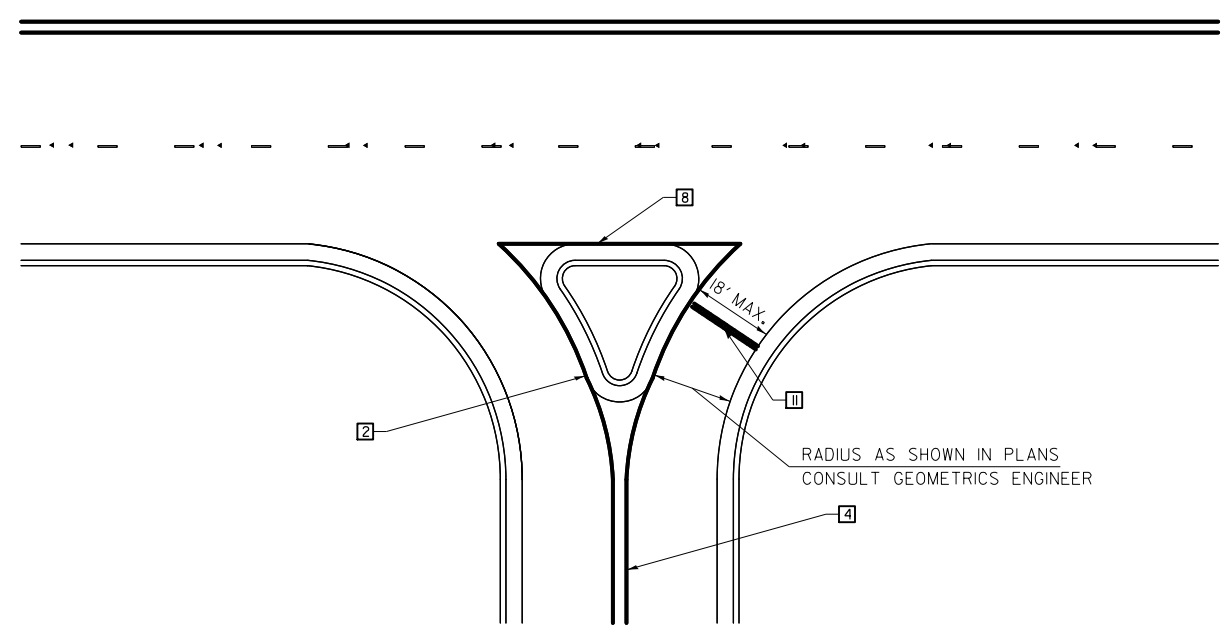


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

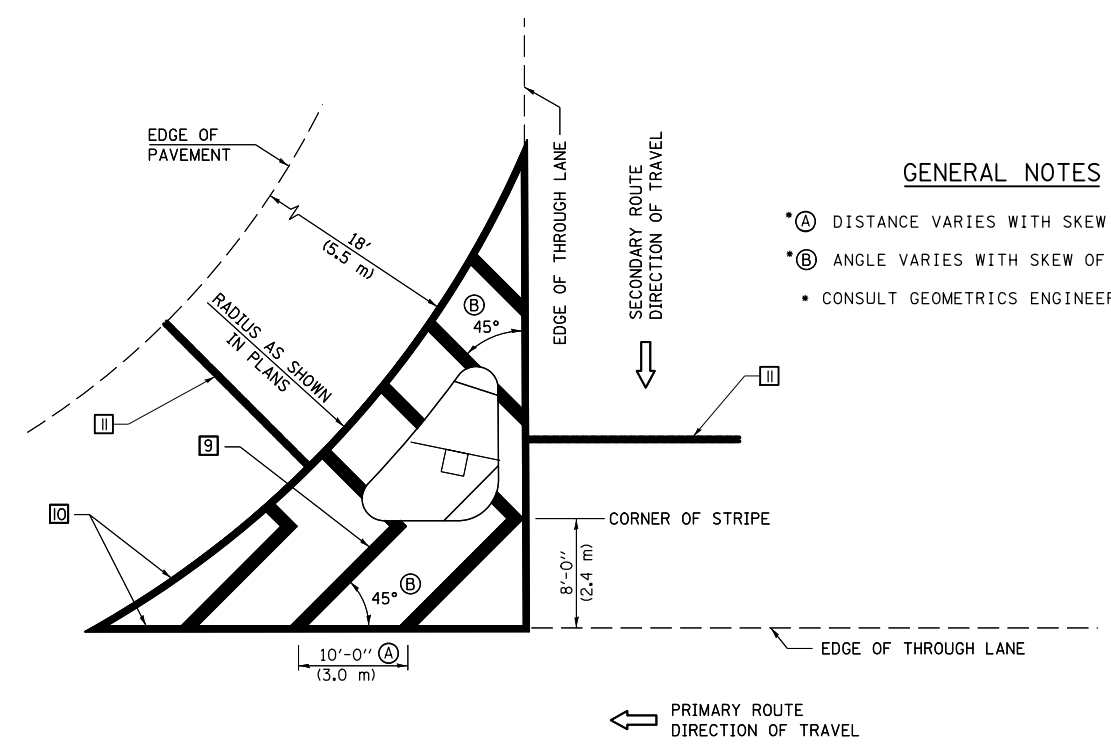
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

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



RIGHT IN - RIGHT OUT ACCESS



GENERAL NOTES

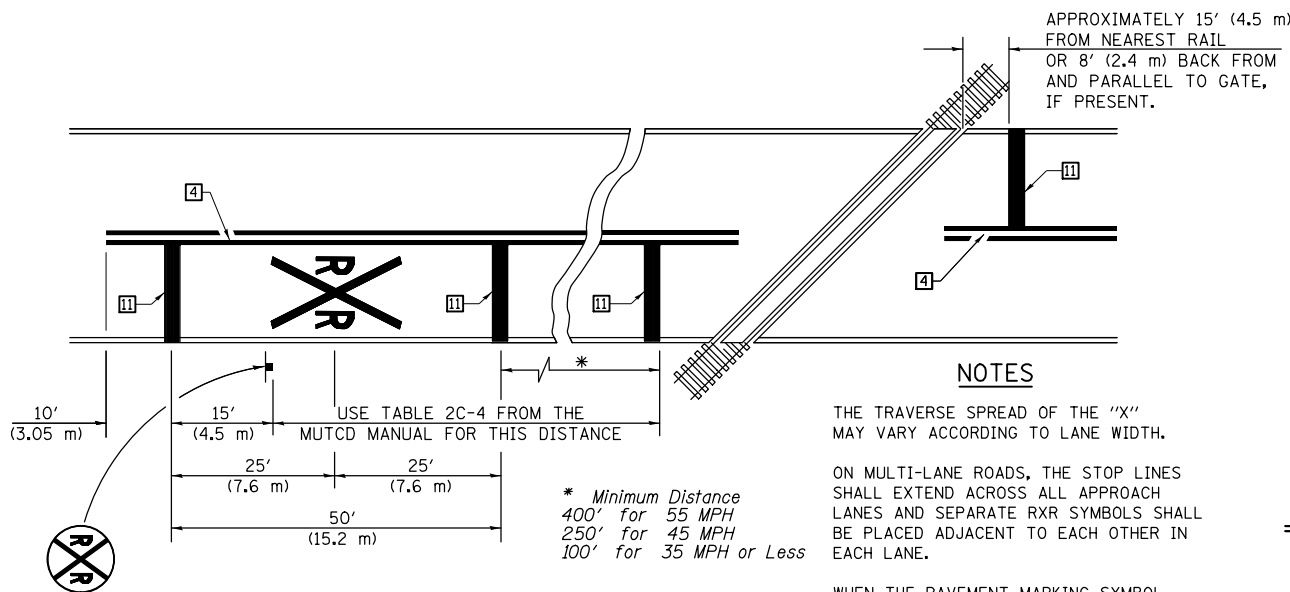
- (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- (B) ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

ISLAND

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.
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PLOT SCALE = 40.0000' / in.				SCALE:	SHEET 3 OF 4 SHEETS	STA.	TO STA.			
PLOT DATE = 1/22/2016										



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

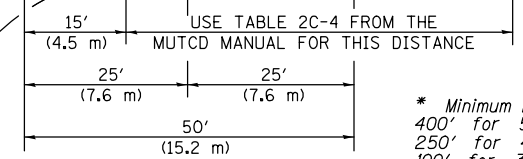
NOTES

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

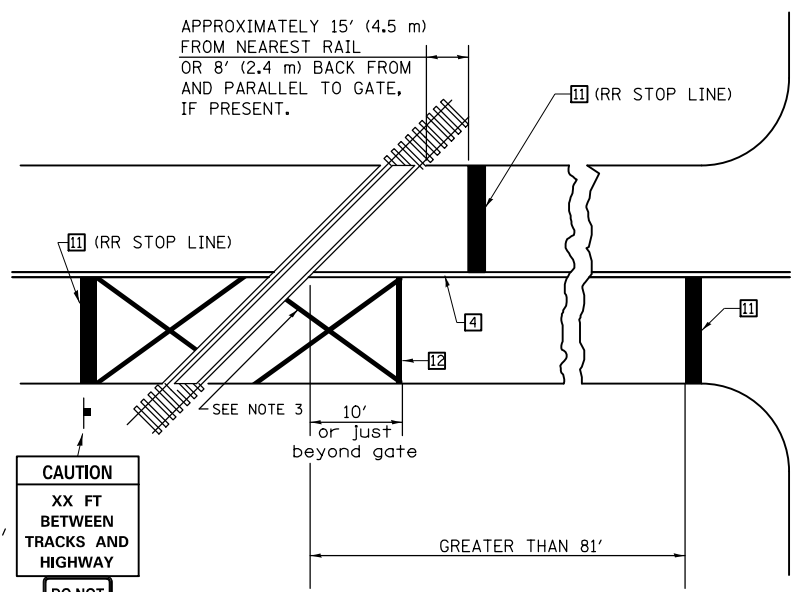
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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.

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



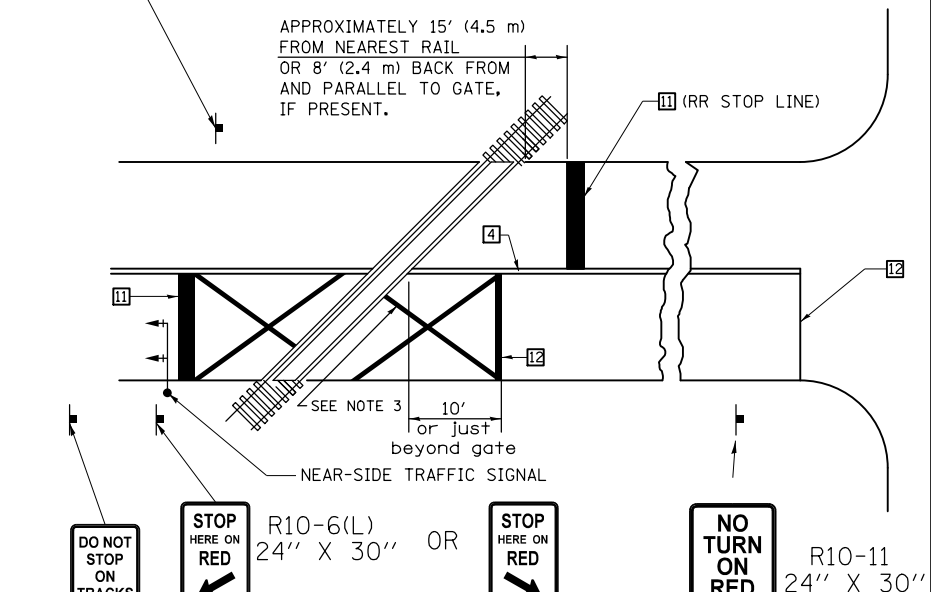
RAILROAD CROSSING WITH INTERCONNECT ONLY



W10-I100
30" X 36"

CAUTION
XX FT
BETWEEN
TRACKS AND
HIGHWAY
DO NOT
STOP ON
TRACKS
R8-8
24" X 30"

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



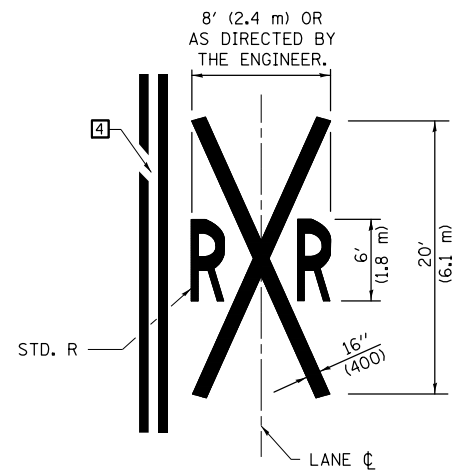
DO NOT STOP ON TRACKS
R8-8
24" X 30"

STOP HERE ON RED
R10-6(L)
24" X 30"

STOP HERE ON RED
R10-6(R)
24" X 30"
IF IN MEDIAN

NO TURN ON RED
R10-11
24" X 30"

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING



ALTERNATE SIGNS

STOP HERE ON RED
R10-6a(L)
24" X 30"

STOP HERE ON RED
R10-6a(R)
24" X 30"

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.
- 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
- XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

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