

EAU  
PROJECT ID: 1000-08-34  
WITH:

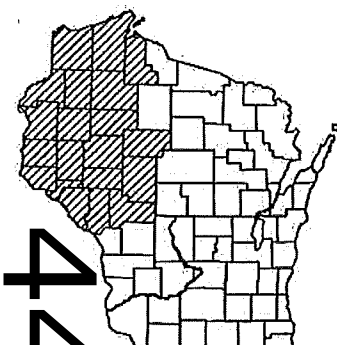
COUNTY: N.W. REGION

MAY 2015

ORDER OF SHEETS

Section No. 1 Title  
Section No. 2 Typical Sections and Details  
Section No. 3 Estimate of Quantities  
Section No. 3 Miscellaneous Quantities  
Section No. 5 Plan  
Section No. 6 Standard Detail Drawings  
Section No. 7 Sign Plates  
Section No. 8 Structure Plans

TOTAL SHEETS = 44



44

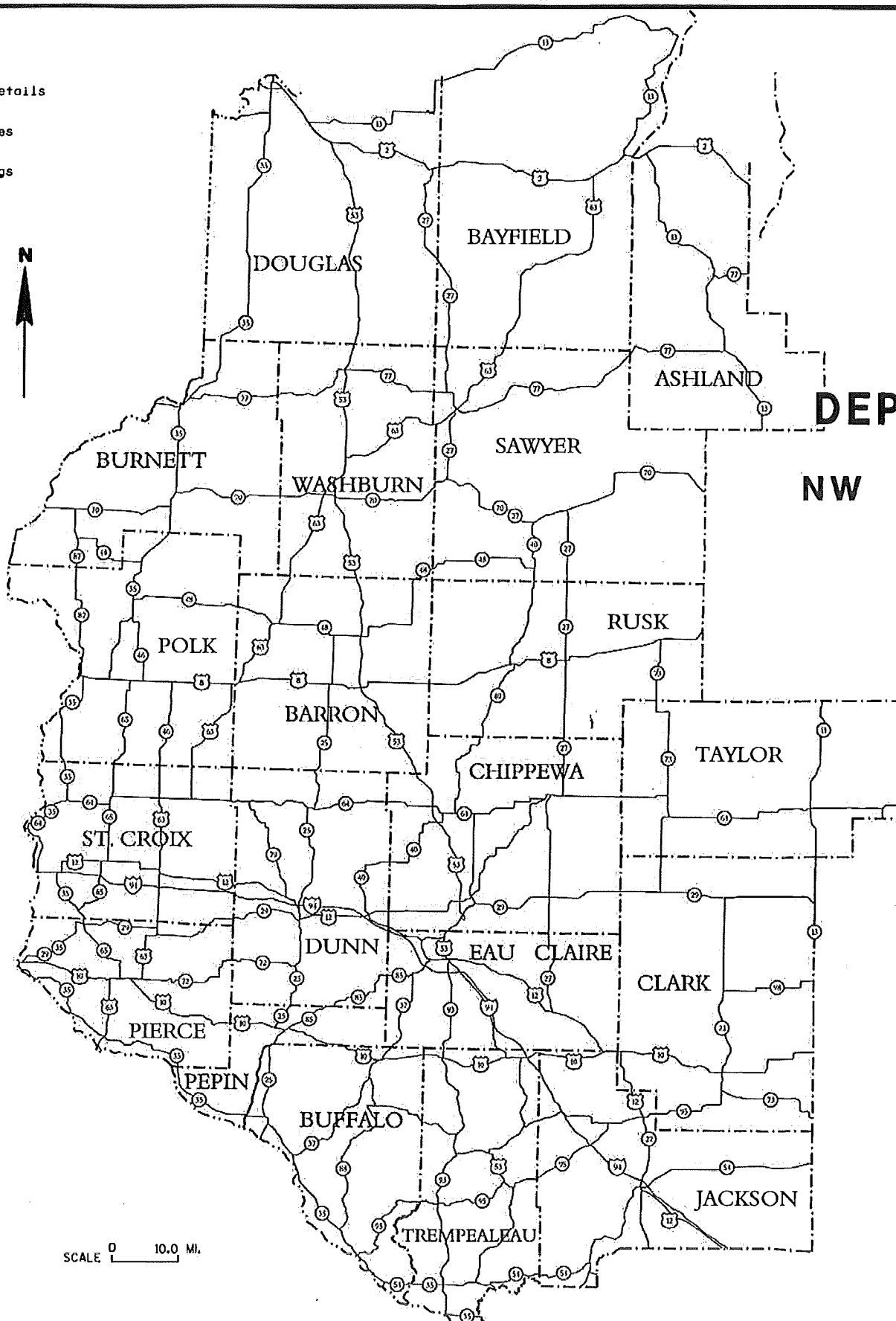
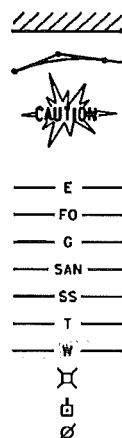
DESIGN DESIGNATION

A.A.D.T. = N/A  
A.A.D.T. = N/A  
D.H.V. = N/A  
D.D. = N/A  
T. = N/A  
DESIGN SPEED = N/A  
ESALS = N/A

CONVENTIONAL SYMBOLS

PLAN  
CORPORATE LIMITS  
REFERENCE LINE  
COMBUSTIBLE FLUIDS

UTILITIES  
ELECTRIC  
FIBER OPTIC  
GAS  
SANITARY SEWER  
STORM SEWER  
TELEPHONE  
WATER  
UTILITY PEDESTAL  
POWER POLE  
TELEPHONE POLE



STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
PLAN OF PROPOSED IMPROVEMENT  
NW REGION PAVEMENT MARKING 2015  
VARIOUS HIGHWAYS  
NORTHWEST REGION WIDE

STATE PROJECT NUMBER  
1000-08-34

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1000-08-34	WISC 2015300	1

ORIGINAL PLANS PREPARED BY

**KL Engineering**  
Better Experience



2/11/15 Aaron Steger  
(Date) (Signature)

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PREPARED BY  
Surveyor N/A  
Designer KL ENGINEERING/WISDOT  
Project Manager NICOLE PASSUELLO  
Regional Examiner DANIEL O'BWAY  
Regional Supervisor MARK FLOEDERER  
C.O. Examiner

APPROVED FOR THE DEPARTMENT  
DATE: 2/12/15 Nicole Passuello  
(Signature)

E

NORTHWEST REGION TRAFFIC CONTACT

CHLOE ANDERSON WISCONSIN DEPARTMENT OF TRANSPORTATION 5009 USH 53 SOUTH EAU CLAIRE, WI 54701 PHONE (715) 855-7672 CELL (715) 577-4493	ROBERT ANDERSON WISCONSIN DEPARTMENT OF TRANSPORTATION 718 W. CLAIREMONT AVE. EAU CLAIRE, WI 54701 PHONE (715) 833-5361	LT. NICK WARNINK SGT. STEVE TAPE (EXT. 108) - SPEED ENFORCEMENT BARS STATE PATROL DIVISION OF DISTRICT 6 5009 USH 53 SOUTH. EAU CLAIRE, WI 54701 PHONE (715) 839-3800	I94 WB DUNN CO. SCALE PHONE (715) 235-4581 I94 EB ST. CROIX CO. SCALE PHONE (715) 749-3744 REBECCA GRANGAARD - CHANGEABLE MESSAGE SIGN COORDINATION STATE PATROL PHONE (715) 839-3800
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NORTHWEST REGION DNR CONTACTS

(CHIPPEWA, CLARK, DUNN, EAU CLAIRE, PEPIN, PIERCE, ST. CROIX) CHRIS WILLGER DNR WEST CENTRAL REGION HO 1300 W. CLAIREMONT STREET EAU CLAIRE, WI 54702 (715) 839-1609	(ASHLAND, BAYFIELD, SAWYER, WASHBURN) SHAWN HASELEU DNR NORTHERN REGION HO 810 WEST MAPLE STREET SPOONER, WI 54801 (715) 635-4228
(TREMPEALEAU, JACKSON) KAREN KALVELAGE DNR SERVICE CENTER 3550 MORMON COULEE ROAD LA CROSSE, WI 54601 (608) 785-9115	(TAYLOR) JON SIMONSEN DNR NORTHERN REGION HO 107 SUTLIFF AVE RHINELANDER, WI 54501 (715) 365-8916
(BARRON, DOUGLAS, RUSK) AMY CRONK DNR NORTHERN REGION HO 810 WEST MAPLE STREET SPOONER, WI 54801 (715) 635-4229	

RAILROAD

RAILROAD INSURANCE AND COORDINATION REQUIRED FOR ANY AND ALL WORK NEAR AT-GRADE RAILROAD CROSSINGS. WORK ON THIS CONTRACT INVOLVES PAVEMENT MARKING NEAR RAILROAD CROSSINGS OWNED BY THE FOLLOWING RAILROAD COMPANIES. SEE THE SPECIAL PROVISIONS FOR CONTACT INFORMATION.

- WISCONSIN CENTRAL LTD. RAILROAD
- UNION PACIFIC RAILROAD
- BNSF RAILWAY COMPANY

GENERAL NOTES

THE DEPARTMENT WILL MEASURE REMOVING PAVEMENT MARKINGS BY THE LINEAR FOOT OF 4-INCH WIDE LINE, IF REMOVING 8-INCH LINE, DOUBLE THE QUANTITY

THE CONTRACTOR SHALL FURNISH MATERIALS FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION APPROVED LISTS.

THE CONTRACTOR AT NO TIME SHALL CLOSE OFF AN ENTIRE RAMP. RAMPS MUST BE DONE ONE HALF AT A TIME.

PAINTED SURFACES SHALL BE FREE OF DEBRIS AS STATED IN SECTION 646 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.


PAVEMENT MARKINGS SHALL NOT BE PAINTED THROUGH SIGNALIZED INTERSECTIONS OR THROUGH INTERSECTIONS WHERE TWO STATE TRUNK HIGHWAYS JUNCTION.

DASHES PAINTED THRU INTERSECTION SHALL MATCH THE EXISTING CYCLE.

IF ASSIGNED TO PAINT A RAMP, PAINT BOTH SIDES OF THE GORE, GORES ARE PAINTED WITH RAMPS.

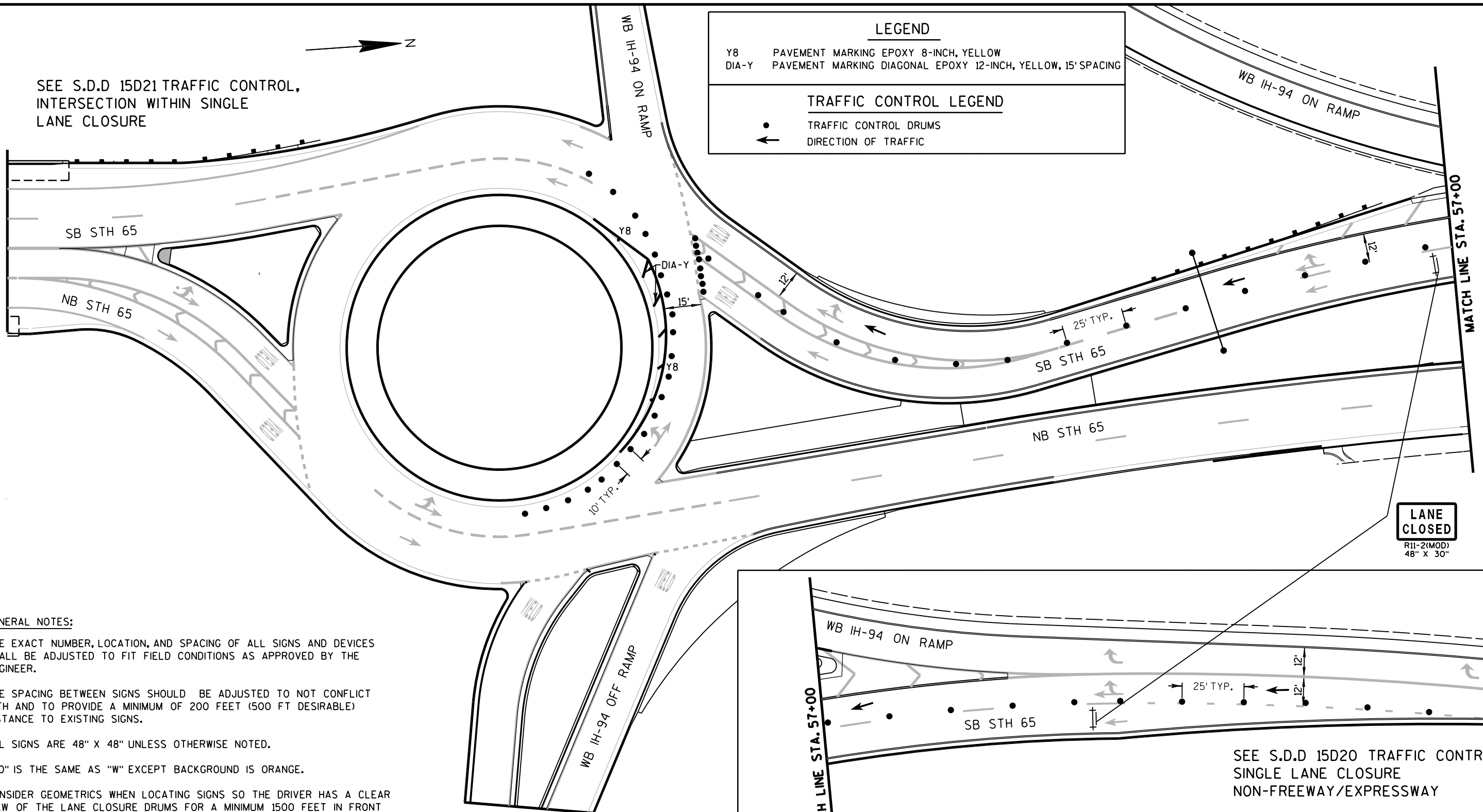
THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.



Dial  or (800)242-8511  
[www.DiggersHotline.com](http://www.DiggersHotline.com)

2	WORK TIME RESTRICTIONS PAVEMENT MARKING (LONG LINES)											2
	MAP REF#	MILES	COUNTY	HWY	BEGIN	END	NO TIME RESTRICTIONS	WORK ALLOWED MON 9 AM - MON 3 PM TUE 9 AM - TUE 3 PM WED 9 AM - WED 3 PM THUR 9 AM - THUR 3 PM FRI 9 AM - FRI 3 PM	WORK ALLOWED SUN 9 PM - MON 5 AM MON 9 PM - TUE 5 AM TUE 9 PM - WED 5 AM WED 9 PM - THUR 5 AM THUR 9 PM - FRI 5 AM	WISCONSIN LANE CLOSURE SYSTEM ADVANCE NOTIFICATION 5 BUSINESS DAYS		
	601	0.8	SAWYER	USH 63	FLORIDA AVENUE, HAYWARD	100' SOUTH OF PAR LANE	X	----	----	----		
	602	0.5	TREMPEALAEAU	USH 53	STH 54 EAST / STH 54 WEST / GALESVILLE	W RIDGE RD / GALESVILLE	X	----	----	----		
	603	3.9	EAU CLAIRE	STH 93 NB & SB	690' NORTH OF ASPEN RD / EAU CLAIRE	370' SOUTH OF LORCH AVE / EAU CLAIRE	----	X	----	X		
	604	0.9	DUNN	USH 12 EB & WB	USH 12 / STH 29 / STH 40 / EXIT 52 / I94 EB OFF RAMP IH 94 / USH 12 INTERCHANGE AREA ONLY	STH 40 NORTH / EXIT 61 RESTRICTIONS EXTEND 1/2 MILE ON EACH SIDE	----	----	X	----		
	605	21.2	DUNN & CHIPPEWA	STH 29 EB & WB	STH 40 NORTH / EXIT 61 USH 53 / STH 29 INTERCHANGE TO 1640' EAST OF MILE POST 82	1640' EAST OF MILE POST 82 (END OF CTH J ON RAMP) RESTRICTIONS EXTEND 1/2 MILE ON EACH SIDE	----	----	X	----		
	605A	13.7	CHIPPEWA	STH 29 EB & WB	40TH ST INCLD: RAMPS AT CTH T / EXIT 69 BUS 29 / EXIT 72 USH 53 / EXIT 75 A-B BUS 29 & STH 178 / EXIT 79 CTH X / EXIT 80 CTH J / EXIT 81	CTH J / ON RAMP / 1640' EAST OF MILE POST 82	----	----	----	X		
	606	1.2	TREMPEALAEAU	STH 35	300' SOUTH OF JONES ST. / VILLAGE OF TREMPPEALEAU	TENTH ST / VILLAGE OF TREMPPEALEAU	X	----	----	----		
	607	1.4	CHIPPEWA	STH 27	550' SOUTH OF LAVORATA RD / CADOTT	E OAK ST / CADOTT	X	----	----	----		
608	1.1	PIERCE	STH 35	USH 63 / HAGER CITY	BRIDGE DECK 1110' SOUTH OF CTH O EAST	X	----	----	----			
609	3.5	EAU CLAIRE	USH 12 EB & WB	CTH T / EAU CLAIRE	425' WEST OF CRAIG RD / EAU CLAIRE	----	----	X	X			
801	14.1	BAYFIELD	STH 27	SAWYER COUNTY LINE	DOUGLAS COUNTY LINE	X	----	----	----			
802	6.9	WASHBURN	STH 70	520' WEST OF CTH M SOUTH / EAST OF SPOONER	150' EAST OF CTH B SOUTH	X	----	----	----			
45BB		ST CROIX	STH 65	IH 94 WB EXIT 10 ROBERTS	NORTH ROUNDABOUT	----	----	X	X			
PAVEMENT MARKING (SPECIAL MARKINGS)												
04A,B,C		ST. CROIX		HANLEY ROAD ROUNDABOUTS		----	----	X	----			
45BB		ST. CROIX		STH 65 & IH 94 WB ROUNDABOUT	NORTH ROUNDABOUT	----	----	X	X			
103A,B, C,D		TAYLOR	STH 13	ALLMAN ST / ROUNDABOUTS - MEDFORD		----	----	X	X			
104 A,B, C		TAYLOR	STH 13	ANN'S WAY / ROUNDABOUT - MEDFORD		----	----	X	X			
GENERAL NOTES:												
-REGION WIDE – NO WEEKEND OR NO NIGHT PAINTING, EXCEPT AS NOTED IN PLAN OR WITH PROJECT ENGINEERS PRE-APPROVAL												
-WISCONSIN LANE CLOSURE SYSTEM ADVANCE NOTIFICATION - PROVIDE A FIVE WORKING DAY MINIMUM ADVANCE NOTICE TO THE PROJECT ENGINEER												
-TRAFFIC CONTROL SIGNS PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) - UNITS SHALL BE USED FOR ALL NIGHTTIME WORK OPERATIONS ON USH 8, USH 12, USH 53, STH 29, STH 35, STH 93, STH 312												
-SEE SPECIAL PROVISIONS FOR HOLIDAY WORK RESTRICTIONS												
PROJECT NO: 1000-08-34				HWY: NORTHWEST REGION		COUNTY: NORTHWEST REGION		WORK TIME RESTRICTIONS		SHEET		
										E		

SEE S.D.D 15D21 TRAFFIC CONTROL,  
INTERSECTION WITHIN SINGLE  
LANE CLOSURE



#### GENERAL NOTES:

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FT DESIRABLE) DISTANCE TO EXISTING SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT BACKGROUND IS ORANGE.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS SO THE DRIVER HAS A CLEAR VIEW OF THE LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF THE DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE PORTABLE CHANGEABLE MESSAGE BOARDS IN ADVANCE OF THE WORK ZONE AS DIRECTED BY ENGINEER.

#### LEGEND

Y8 PAVEMENT MARKING EPOXY 8-INCH, YELLOW  
DIA-Y PAVEMENT MARKING DIAGONAL EPOXY 12-INCH, YELLOW, 15' SPACING

#### TRAFFIC CONTROL LEGEND

• TRAFFIC CONTROL DRUMS  
← DIRECTION OF TRAFFIC

MATCH LINE STA. 57+00

WB IH-94 ON RAMP

SB STH 65

NB STH 65

SEE S.D.D 15D20 TRAFFIC CONTROL,  
SINGLE LANE CLOSURE  
NON-FREEWAY/EXPRESSWAY

DATE 17MAR15		E S T I M A T E O F Q U A N T I T I E S				
LINE		1000-08-34				
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY	
0010	619. 1000	Mobilization	EACH	1. 000	1. 000	
0020	643. 0100	Traffic Control (project) 01. 1000-08-34	EACH	1. 000	1. 000	
0030	643. 0300	Traffic Control Drums	DAY	400. 000	400. 000	
0040	643. 0420	Traffic Control Barricades Type III	DAY	10. 000	10. 000	
0050	643. 0705	Traffic Control Warning Lights Type A	DAY	20. 000	20. 000	
0060	643. 0715	Traffic Control Warning Lights Type C	DAY	90. 000	90. 000	
0070	643. 0800	Traffic Control Arrow Boards	DAY	10. 000	10. 000	
0080	643. 0900	Traffic Control Signs	DAY	50. 000	50. 000	
0090	643. 1050	Traffic Control Signs PCMS	DAY	10. 000	10. 000	
0100	646. 0106	Pavement Marking Epoxy 4-Inch	LF	963, 147. 000	963, 147. 000	
0110	646. 0126	Pavement Marking Epoxy 8-Inch	LF	49, 809. 000	49, 809. 000	
0120	646. 0156	Pavement Marking Epoxy 18-Inch	LF	289. 000	289. 000	
0130	646. 0600	Removing Pavement Markings	LF	16, 507. 000	16, 507. 000	
0140	646. 2304. S	Pavement Marking Grooved Wet Reflective Epoxy 4-Inch	LF	49, 649. 000	49, 649. 000	
0150	646. 2308. S	Pavement Marking Grooved Wet Reflective Epoxy 8-Inch	LF	705. 000	705. 000	
0160	647. 0110	Pavement Marking Railroad Crossings Epoxy	EACH	26. 000	26. 000	
0170	647. 0156	Pavement Marking Arrows Epoxy Type 1	EACH	27. 000	27. 000	
0180	647. 0160	Pavement Marking Arrows Epoxy Type 2R	EACH	6. 000	6. 000	
0190	647. 0166	Pavement Marking Arrows Epoxy Type 2	EACH	52. 000	52. 000	
0200	647. 0170	Pavement Marking Arrows Epoxy Type 3R	EACH	4. 000	4. 000	
0210	647. 0176	Pavement Marking Arrows Epoxy Type 3	EACH	7. 000	7. 000	
0220	647. 0356	Pavement Marking Words Epoxy	EACH	33. 000	33. 000	
0230	647. 0456	Pavement Marking Curb Epoxy	LF	401. 000	401. 000	
0240	647. 0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	1, 156. 000	1, 156. 000	
0250	647. 0606	Pavement Marking Island Nose Epoxy	EACH	18. 000	18. 000	
0260	647. 0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	1, 668. 000	1, 668. 000	
0270	647. 0746	Pavement Marking Diagonal Epoxy 24-Inch	LF	529. 000	529. 000	
0280	647. 0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	119. 000	119. 000	
0290	647. 0796	Pavement Marking Crosswalk Epoxy 24-Inch	LF	154. 000	154. 000	
0300	647. 0856	Pavement Marking Concrete Corrugated Median Epoxy	SF	3, 298. 000	3, 298. 000	
0310	647. 0955	Removing Pavement Markings Arrows	EACH	14. 000	14. 000	
0320	SPV. 0045	Special 01. PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) CELLULAR COMMUNICATIONS	DAY	10. 000	10. 000	
0330	SPV. 0090	Special 01. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH	LF	5, 188. 000	5, 188. 000	
0340	SPV. 0090	Special 02. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 8-INCH	LF	710. 000	710. 000	

PAVEMENT MARKING (LONG LINE MARKINGS)

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	646.0106 * PAVEMENT MARKING EPOXY 4-INCH		646.0126 PAVEMENT MARKING EPOXY 8-INCH		646.2304.S PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH		646.2308.S PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 8-INCH	SPV.0090.01 PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH	SPV.0090.02 PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 8-INCH
						YELLOW LF	WHITE LF	YELLOW LF	WHITE LF	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF
601	0.8	SAWYER	USH 63	FLORIDA AVENUE, HAYWARD	100' SOUTH OF PAR LANE	--	--	--	--	10,365	2,440	705	--	--
602	0.5	TREMPEALEAU	USH 53	STH 54 EAST / STH 54 WEST / GALESVILLE	W RIDGE RD / GALESVILLE	5,132	3,624	--	1,390	--	--	--	--	--
603	3.9	EAU CLAIRE	STH 93 NB & SB	690' NORTH OF ASPEN RD / EAU CLAIRE	370' SOUTH OF LORCH AVE / EAU CLAIRE	39,725	48,740	--	9,375	--	--	--	--	--
604	0.9	DUNN	USH 12 EB & WB	STH 29 / STH 40 / EXIT 52 / IH 94 EB OFF RAMP LANE LINES ONLY	STH 40 NORTH / EXIT 61	--	--	--	--	--	2,504	--	--	--
605	21.2	DUNN & CHIPPEWA	STH 29 EB & WB	STH 40 NORTH / EXIT 61 LANE LINES ONLY	1640' EAST OF MILE POST 82 (END OF CTH J ON RAMP)	--	--	--	--	--	34,340	--	5,188	710
605A	13.7	CHIPPEWA	STH 29 EB & WB	40TH STREET INCLD: CTH T RAMPS / EXIT 69 BUS 29 / EXIT 72 USH 53 / EXIT 75 A-B BUS 29 & STH 178 / EXIT 79 CTH X / EXIT 80 CTH J / EXIT 81	CTH J ON RAMP (1640' EAST OF MILE POST 82)	187,595	188,200	--	27,640	--	--	--	--	--
606	1.2	TREMPEALEAU	STH 35	300' SOUTH OF JONES ST. / VILLAGE OF TREMPEALEAU	TENTH ST / VILLAGE OF TREMPEALEAU	6,640	265	--	--	--	--	--	--	--
607	1.4	CHIPPEWA	STH 27	550' SOUTH OF LAVORATA RD / CADOTT	E OAK ST / CADOTT	9925	10679	--	1005	--	--	--	--	--
608	1.1	PIERCE	STH 35	USH 63 / HAGER CITY	BRIDGE DECK 1110' SOUTH OF CTH O EAST	11,918	31,701	--	1,189	--	--	--	--	--
609	3.5	EAU CLAIRE	USH 12 EB & WB	CTH T / EAU CLAIRE	425' WEST OF CRAIG RD / EAU CLAIRE	10,700	31,030	--	8,970	--	--	--	--	--
801	14.1	BAYFIELD	STH 27	SAWYER COUNTY LINE	DOUGLAS COUNTY LINE	75,933	146,811	--	--	--	--	--	--	--
802	6.9	WASHBURN	STH 70	520' WEST OF CTH M SOUTH / EAST OF SPOONER	150' EAST OF CTH B SOUTH	47,485	72,114	--	140	--	--	--	--	--
45BB	--	ST. CROIX	STH 65	IH 94 WB EXIT 10 / ROBERTS	NORTH ROUNDABOUT	--	--	100	--	--	--	--	--	--
TOTALS						395,053	533,164	100	49,709	10,365	39,284	705	5,188	710

\* ADDITIONAL QUANITITES SHOWN IN 'PAVEMENT MARKING SUMMARY (SPECIAL MARKINGS)' & 'PAVEMENT MARKING (NO PASSING ZONES)' TABLES

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

PAVEMENT MARKING (SPECIAL MARKINGS)									
COUNTY: ASHLAND									
MAP REFERENCE: ASHLAND 10									
MAP REFERENCE HWY: 13									
MAP REFERENCE SITE ID: STH 77 - MELLEN									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 13	SB STH 13	EB STH 77	WB STH 77	TOTAL QUANTITY
647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	1	1	--	--	2
COUNTY: BARRON									
MAP REFERENCE: BARRON 08A									
MAP REFERENCE HWY: 63									
MAP REFERENCE SITE ID: STH 48 EAST - CUMBERLAND									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB USH 63	SB USH 63	NB 2ND AVE	WB STH 48	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	21	25	26	--	72
MAP REFERENCE: BARRON 08B									
MAP REFERENCE HWY: 48									
MAP REFERENCE SITE ID: USH 63 NORTH - CUMBERLAND									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB USH 63	2ND AVE	EB STH 48	WB STH 48	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	--	--	--	22	22
COUNTY: CHIPPEWA									
MAP REFERENCE: CHIPPEWA 108A									
MAP REFERENCE HWY: 29									
MAP REFERENCE SITE ID: CTH J - LAKE WISSOTA - EXIT 81									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB CTH J	SB CTH J	EB STH 29	WB STH 29	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	LF	--	53	--	--	53
MAP REFERENCE: CHIPPEWA 108B									
MAP REFERENCE HWY: 29									
MAP REFERENCE SITE ID: CTH J - LAKE WISSOTA - EXIT 81									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB CTH J	SB CTH J	EB STH 29	WB STH 29	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	LF	--	--	--	46	46
MAP REFERENCE: CHIPPEWA 120A									
MAP REFERENCE HWY: 29									
MAP REFERENCE SITE ID: CTH T - CHIPPEWA FALLS - EXIT 69									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB CTH T	SB CTH T	EB STH 29	WB STH 29	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	LF	--	--	31	--	31
ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE									

MAP REFERENCE: CHIPPEWA 120B									
MAP REFERENCE HWY: 29									
MAP REFERENCE SITE ID: CTH T - CHIPPEWA FALLS - EXIT 69									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB CTH T	SB CTH T	EB STH 29	WB STH 29	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	LF	--	--	--	30	30
MAP REFERENCE: CHIPPEWA 121A									
MAP REFERENCE HWY: 29									
MAP REFERENCE SITE ID: 90TH ST - BUS 29 - CHIPPEWA FALLS									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB 90TH ST	SB 90TH ST	EB STH 29	WB STH 29	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	LF	--	--	31	--	31
MAP REFERENCE: CHIPPEWA 121B									
MAP REFERENCE HWY: 29									
MAP REFERENCE SITE ID: 90TH ST - BUS 29 - CHIPPEWA FALLS									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB 90TH ST	SB 90TH ST	EB STH 29	WB STH 29	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	LF	--	--	--	32	32
MAP REFERENCE: CHIPPEWA 126A									
MAP REFERENCE HWY: 29									
MAP REFERENCE SITE ID: STH 178 - SEYMOUR CRAY SR BLVD - CHIPPEWA FALLS - EXIT 79									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB SEYMOUR	SB SEYMOUR	EB STH 29	WB STH 29	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	LF	--	--	34	--	34
MAP REFERENCE: CHIPPEWA 126B									
MAP REFERENCE HWY: 29									
MAP REFERENCE SITE ID: STH 178 - SEYMOUR CRAY SR BLVD - CHIPPEWA FALLS - EXIT 79									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB SEYMOUR	SB SEYMOUR	EB STH 29	WB STH 29	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	LF	--	--	--	39	39
COUNTY: DOUGLAS									
MAP REFERENCE: DOUGLAS 05									
MAP REFERENCE HWY: 105									
MAP REFERENCE SITE ID: BUTLER RD - WEST OF SUPERIOR									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB BUTLER ROAD	SB BUTLER ROAD	EB STH 105	WB STH 105	TOTAL QUANTITY
647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	--	--	2	2	4
ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE									



COUNTY: DUNN

MAP REFERENCE: DUNN 11

MAP REFERENCE HWY: 40

MAP REFERENCE SITE ID: RAILROAD AVE - COLFAX

PAVEMENT MARKING (SPECIAL MARKINGS)

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 40	SB STH 40	EB RR AVE	WB RR AVE	TOTAL QUANTITY
647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	1	1	--	--	2

MAP REFERENCE: DUNN 41

MAP REFERENCE HWY: 12

MAP REFERENCE SITE ID: OLD USH 12 (SOUTH OF USH 12 / STH 29 / STH 40 INTERCHANGE)

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB OLD 12	SB OLD 12	EB USH 12	WB USH 12	TOTAL QUANTITY
647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	--	--	1	1	2

MAP REFERENCE: DUNN 109C

MAP REFERENCE HWY: 12

MAP REFERENCE SITE ID: IH 94 - ELK MOUND - EXIT 52

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	WB IH 94	EB IH 94	EB USH 12 / STH 29	WB USH 12 / STH 29	TOTAL QUANTITY
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	RIGHT TURN LANE	EACH	--	--	3	--	3
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-R	RIGHT TURN LANE	EACH	--	--	2	--	2
647.0746	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH	SM-DIAGONAL-WHITE	SHOULDER	LF	--	--	57	--	57
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	--	--	2	--	2
647.0456	PAVEMENT MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	LF	--	--	56	--	56
647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	SHOULDER	LF	--	--	106	--	106

MAP REFERENCE: DUNN 109D

MAP REFERENCE HWY: 12

MAP REFERENCE SITE ID: IH 94 - ELK MOUND - EXIT 52

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	WB IH 94	EB IH 94	EB USH 12 / STH 29	WB USH 12 / STH 29	TOTAL QUANTITY
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	--	--	--	1	1
647.0456	PAVEMENT MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	LF	--	--	--	70	70
647.0746	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH	SM-DIAGONAL-WHITE	SHOULDER	LF	--	--	--	171	171
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	LEFT TURN LANE	EACH	--	--	--	1	1

MAP REFERENCE: DUNN 150A

MAP REFERENCE HWY: 12

MAP REFERENCE SITE ID: USH 12 - STH 29 - STH 40 INTERCHANGE - ELK MOUND

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 40	SB STH 40	EB USH 12	WB USH 12	TOTAL QUANTITY
647.0746	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH	SM-DIAGONAL-WHITE	SHOULDER	LF	--	--	81	--	81
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	LF	--	--	48	--	48

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

PAVEMENT MARKING (SPECIAL MARKINGS)									
MAP REFERENCE:		DUNN 150B							
MAP REFERENCE HWY:		29							
MAP REFERENCE SITE ID:		USH 12 - STH 29 - STH 40 INTERCHANGE - ELK MOUND							
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 40	SB STH 40	EB USH 12	WB USH 12	TOTAL QUANTITY
647.0746	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH	SM-DIAGONAL-WHITE	SHOULDER	LF	--	--	--	81	81
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	LF	--	--	--	53	53
COUNTY:		JACKSON							
MAP REFERENCE:		JACKSON 20							
MAP REFERENCE HWY:		95							
MAP REFERENCE SITE ID:		HAMMOND ST - MERRILLAN							
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB HAMMOND STREET	SB HAMMOND STREET	EB STH 95	WB STH 95	TOTAL QUANTITY
647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	--	--	1	1	2
MAP REFERENCE:		JACKSON 21							
MAP REFERENCE HWY:		95							
MAP REFERENCE SITE ID:		CTH K - MERRILLAN							
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB CTH K	SB CTH K	EB STH 95	WB STH 95	TOTAL QUANTITY
647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	--	--	1	1	2
MAP REFERENCE:		JACKSON 22							
MAP REFERENCE HWY:		95							
MAP REFERENCE SITE ID:		SOUTH ALMA RD - ALMA CENTER							
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB JOOS ROAD	SB S ALMA ROAD	EB STH 95	WB STH 95	TOTAL QUANTITY
647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	--	--	1	1	2
MAP REFERENCE:		JACKSON 24							
MAP REFERENCE HWY:		95							
MAP REFERENCE SITE ID:		EAST OF CTH P - TAYLOR							
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB CTH P	SB CTH P	EB STH 95	WB STH 95	TOTAL QUANTITY
647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	--	--	1	1	2
MAP REFERENCE:		JACKSON 25A							
MAP REFERENCE HWY:		12							
MAP REFERENCE SITE ID:		STH 27 - BLACK RIVER FALLS							
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 27	SB STH 27	EB USH 12	WB USH 12	TOTAL QUANTITY
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	--	--	2	--	2
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	LEFT TURN LANE	EACH	--	--	2	--	2
647.0456	PAVEMENT MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	LF	--	--	--	15	15
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	--	--	--	34	34
647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	MEDIAN ISLAND	EACH	--	--	1	--	1
647.0856	PAVEMENT MARKING CONCRETE CORRUGATED MEDIAN EPOXY	SM-CORRUGATED MEDIAN	MEDIAN ISLAND	SF	--	--	795	--	795

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

MAP REFERENCE: JACKSON 25C

MAP REFERENCE HWY: 27

MAP REFERENCE SITE ID: USH 12 - BLACK RIVER FALLS - BROCKWAY

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 27	SB STH 27	EB USH 12	WB USH 12	TOTAL QUANTITY
647.0456	PAVEMENT MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	LF	79	--	--	--	79
647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	MEDIAN ISLAND	EACH	2	--	--	--	2
647.0856	PAVEMENT MARKING CONCRETE CORRUGATED MEDIAN EPOXY	SM-CORRUGATED MEDIAN	MEDIAN ISLAND	SF	1,167	--	--	--	1,167

COUNTY: PIERCE

MAP REFERENCE: 20B

MAP REFERENCE HWY: 63

MAP REFERENCE SITE ID: STH 35 - HAGER CITY

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 35	SB STH 35	EB	WB	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	--	38	--	--	38

COUNTY: RUSK

MAP REFERENCE: RUSK 01

MAP REFERENCE HWY: 27

MAP REFERENCE SITE ID: COLLEGE AVE - LADYSMITH

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 27	SB STH 27	EB COLLEGE AVE	WB COLLEGE AVE	TOTAL QUANTITY
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	--	1	--	--	1
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-R	RIGHT TURN LANE	EACH	1	--	--	--	1
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	RIGHT TURN LANE	EACH	1	--	--	--	1
647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	LF	49	--	--	--	49
647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-WHITE	SHOULDER	LF	13	--	--	--	13

MAP REFERENCE: RUSK 02

MAP REFERENCE HWY: 27

MAP REFERENCE SITE ID: PORT ARTHUR RD - LADYSMITH

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 27	SB STH 27	EB PORT ARTHUR	WB PORT ARTHUR	TOTAL QUANTITY
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	2	--	--	--	2
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-R	RIGHT TURN LANE	EACH	--	1	--	--	1
647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	LF	116	121	--	--	237
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	LT & RT TURN LANE	EACH	1	1	--	--	2
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	24	26	--	--	50

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

COUNTY:SAWYER

MAP REFERENCE:SAWYER 11A

MAP REFERENCE HWY:63

MAP REFERENCE SITE ID:STH 27 SOUTH JCT - HAYWARD

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB		SB		EB	WB	TOTAL QUANTITY
					USH 63		USH 63		DAKOTA AVENUE	STH 27 SOUTH	
647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	LF	56		--		--	--	56
647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE -YELLOW	MEDIAN ISLAND	EACH	1		1		--	--	2
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	34		36		--	--	70
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	--		1		--	--	1
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	LEFT TURN LANE	EACH	--		1		--	--	1

MAP REFERENCE:SAWYER 11C

MAP REFERENCE HWY:27

MAP REFERENCE SITE ID:USH 63 SOUTH JCT - HAYWARD

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB		SB		EB	WB	TOTAL QUANTITY
					USH 63		USH 63		DAKOTA AVENUE	STH 27 SOUTH	
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-1	THROUGH LANE	EACH	2		--		--	--	2
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	2		--		--	--	2
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-R	RIGHT TURN LANE	EACH	2		--		--	--	2
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	TURN LANE	EACH	6		--		--	--	6
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	43		--		--	--	43

MAP REFERENCE:SAWYER 12A

MAP REFERENCE HWY:63

MAP REFERENCE SITE ID:STH 27 - STH 77 NORTH JCT - HAYWARD

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB		SB		EB	WB	TOTAL QUANTITY
					USH 63		USH 63		STH 27	STH 77	
647.0856	PAVEMENT MARKING CONCRETE CORRUGATED MEDIAN EPOXY	SM-CORRUGATED MEDIAN	MEDIAN ISLAND	SF	502		--		--	--	502
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	LEFT AND RIGHT TURN LANES	EACH	3		--		--	--	3
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	2		--		--	--	2
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-R	RIGHT TURN LANE	EACH	1		--		--	--	1
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	52		--		--	--	52
647.0456	PAVEMENT MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	LF	49		--		--	--	49

MAP REFERENCE:SAWYER 12B

MAP REFERENCE HWY:63

MAP REFERENCE SITE ID:STH 27 - STH 77 NORTH JCT - HAYWARD

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB		SB		EB	WB	TOTAL QUANTITY
					USH 63		USH 63		STH 27 NORTH	STH 77	
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	--		1		--	--	1
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-R	RIGHT TURN LANE	EACH	--		1		--	--	1
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	LEFT AND RIGHT TURN LANES	EACH	--		2		--	--	2
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	--		52		--	--	52
647.0856	PAVEMENT MARKING CONCRETE CORRUGATED MEDIAN EPOXY	SM-CORRUGATED MEDIAN	MEDIAN ISLAND	SF	--		704		--	--	704

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

PAVEMENT MARKING (SPECIAL MARKINGS)									
MAP REFERENCE: SAWYER 12C									
MAP REFERENCE HWY: 27									
MAP REFERENCE SITE ID: USH 63 - STH 77 NORTH JCT - HAYWARD									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 27	SB STH 27	EB STH 77	WB USH 63 NORTH	TOTAL QUANTITY
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	1	1	--	--	2
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-R	RIGHT TURN LANE	EACH	--	3	--	--	3
647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	MEDIAN ISLAND	EACH	2	2	--	--	4
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	LEFT AND RIGHT TURN LANES	EACH	--	4	--	--	4
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	--	50	--	--	50
647.0856	PAVEMENT MARKING CONCRETE CORRUGATED MEDIAN EPOXY	SM-CORRUGATED MEDIAN	MEDIAN ISLAND	SF	--	130	--	--	130
MAP REFERENCE: SAWYER 12D									
MAP REFERENCE HWY: 77									
MAP REFERENCE SITE ID: USH 63 - STH 27 NORTH JCT - HAYWARD									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB USH 63	SB USH 63	EB STH 27 NORTH	WB STH 77	TOTAL QUANTITY
647.0456	PAVEMENT MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	LF	--	--	32	--	32
647.0156	PAVEMENT MARKING ARROWS EPOXY TYPE 1	SM-ARROW-1	THROUGH LANE	EACH	--	--	--	2	2
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	--	--	--	2	2
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-R	RIGHT TURN LANE	EACH	--	--	--	2	2
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	THROUGH / LEFT / RIGHT TURN LAN	EACH	--	--	--	4	4
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	--	--	--	49	49
MAP REFERENCE: SAWYER 19									
MAP REFERENCE HWY: 63									
MAP REFERENCE SITE ID: MAIN ST - HAYWARD									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB USH 63	SB USH 63	EB MAIN ST	WB MAIN ST	TOTAL QUANTITY
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	1	--	--	--	1
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	LEFT TURN LANE	EACH	1	--	--	--	1
647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	MEDIAN ISLAND	EACH	1	1	--	--	2
647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	LF	--	46	--	--	46
MAP REFERENCE: SAWYER 20									
MAP REFERENCE HWY: 63									
MAP REFERENCE SITE ID: KANSAS AVE - HAYWARD									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB USH 63	SB USH 63	EB KANSAS AVE	WB KANSAS AVE	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	24	24	--	--	48
ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE									

MAP REFERENCE: SAWYER 25B  
MAP REFERENCE HWY: 77  
MAP REFERENCE SITE ID: RAILROAD ST - HAYWARD

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB		EB	WB	TOTAL
					RAILROAD	SB			
					STREET		STH 77	STH 77	QUANTITY
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	--	--	--	2	2
647.0456	PAVEMENT MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	LF	--	--	--	20	20
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	LEFT TURN LANE	EACH	--	--	--	1	1

MAP REFERENCE: SAWYER 26  
MAP REFERENCE HWY: 77  
MAP REFERENCE SITE ID: WALMART PARKING LOT ENTRANCE - HAYWARD

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	SB		EB	WB	TOTAL
					PRIVATE	ENTRANCE			
					NB		STH 77	STH 77	QUANTITY
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	--	--	4	--	4

MAP REFERENCE: SAWYER 27  
MAP REFERENCE HWY: 77  
MAP REFERENCE SITE ID: HAYWARD CT - HAYWARD

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB		EB	WB	TOTAL
					HAYWARD	SB			
					COURT	COURT	STH 77	STH 77	QUANTITY
647.0456	PAVEMENT MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	LF	--	--	--	10	10
647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	MEDIAN ISLAND	EACH	--	--	--	1	1

COUNTY: ST. CROIX  
MAP REFERENCE: ST. CROIX 04 WORK TIME RESTRICTIONS  
MAP REFERENCE HWY: 35  
MAP REFERENCE SITE ID: HANLEY RD - ROUNDABOUTS

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB		EB	WB	TOTAL
					STH 35	SB			
						STH 35	HANLEY	HANLEY	QUANTITY
							ROAD	ROAD	
646.0156	PAVEMENT MARKING EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	--	--	36	34	70
647.0156	PAVEMENT MARKING ARROWS EPOXY TYPE 1	SM-ARROW-1	ROUNDABOUT	EACH	--	--	10	10	20
647.0160	PAVEMENT MARKING ARROWS EPOXY TYPE 2R	SM-RA-ARROW-2R	ROUNDABOUT	EACH	--	--	3	3	6
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	ROUNDABOUT	EACH	--	--	1	1	2
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-R	ROUNDABOUT	EACH	--	--	2	2	4
647.0176	PAVEMENT MARKING ARROWS EPOXY TYPE 3	SM-ARROW-3-L	ROUNDABOUT	EACH	--	--	1	1	2
647.0356	PAVEMENT MARKING WORDS EPOXY	SM-ONLY	ROUNDABOUT	EACH	--	--	1	1	2
647.0456	PAVEMENT MARKING CURB EPOXY	SM-CURB-YELLOW	ROUNDABOUT	LF	--	--	20	20	40
647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	ROUNDABOUT	EACH	--	--	2	2	4
647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	SM-CHEVRON-W	ROUNDABOUT	LF	--	--	97	83	180
647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-WHITE	ROUNDABOUT	LF	--	--	68	77	145
647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDABOUT	LF	--	--	422	282	704

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

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PAVEMENT MARKING (SPECIAL MARKINGS)

MAP REFERENCE: ST. CROIX 04A WORK TIME RESTRICTIONS

MAP REFERENCE HWY: 35

MAP REFERENCE SITE ID: HANLEY RD - SOUTH OF IH 94 (NB RAMPS)

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 35	SB STH 35	EB HANLEY ROAD	WB HANLEY ROAD	TOTAL QUANTITY
646.0156	PAVEMENT MARKING EPOXY 18-INCH	SM-RA-DOTTED EL-W	OFF RAMP	LF	25	--	--	--	25
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-R	OFF RAMP	EACH	2	--	--	--	2
647.017	PAVEMENT MARKING ARROWS EPOXY TYPE 3R	SM-RA-ARROW-3R	OFF RAMP	EACH	1	--	--	--	1
647.0766	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	SM-CROSSWALK-OUTLINE	OFF RAMP	LF	47	--	--	--	47
647.0796	PAVEMENT MARKING CROSSWALK EPOXY 24-INCH	SM-CROSSWALK-BLOCK	OFF RAMP	LF	64	--	--	--	64

3

MAP REFERENCE: ST. CROIX 04B WORK TIME RESTRICTIONS

MAP REFERENCE HWY: 35

MAP REFERENCE SITE ID: HANLEY RD - SOUTH OF IH 94 (SB RAMPS)

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 35	SB STH 35	EB HANLEY ROAD	WB HANLEY ROAD	TOTAL QUANTITY
646.0156	PAVEMENT MARKING EPOXY 18-INCH	SM-RA-DOTTED EL-W	OFF RAMP	LF	--	14	--	--	14
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-R	OFF RAMP	EACH	--	2	--	--	2
647.0170	PAVEMENT MARKING ARROWS EPOXY TYPE 3R	SM-RA-ARROW-3R	OFF RAMP	EACH	--	1	--	--	1
647.0766	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	SM-CROSSWALK-OUTLINE	ON RAMP	LF	--	72	--	--	72
647.0796	PAVEMENT MARKING CROSSWALK EPOXY 24-INCH	SM-CROSSWALK-BLOCK	ON RAMP	LF	--	90	--	--	90

MAP REFERENCE: ST. CROIX 22A

MAP REFERENCE HWY: 63

MAP REFERENCE SITE ID: MAIN ST - BALDWIN

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB USH 63	SB USH 63	EB MAIN ST	WB MAIN ST	TOTAL QUANTITY
647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	1	1	--	--	2

COUNTY: ST. CROIX

MAP REFERENCE: ST. CROIX 45BB NORTH ROUNDABOUT NEW INSTALL

MAP REFERENCE HWY: 65

MAP REFERENCE SITE ID: IH 94 EXIT 10 ROBERTS

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 65	SB STH 65	EB IH 94	WB IH 94	TOTAL QUANTITY
647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	SM-DIAGONAL-YELLOW	ROUNDABOUT	LF	--	36	--	--	36

MAP REFERENCE: ST. CROIX 56C

MAP REFERENCE HWY: 64

MAP REFERENCE SITE ID: STH 35 / CTH C - EAST OF SOMERSET

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 35	SB STH 35	EB STH 64	WB STH 64	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	LF	--	--	--	35	35
647.0746	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH	SM-DIAGONAL-WHITE	OFF RAMP	LF	--	--	--	139	139

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

MAP REFERENCE: ST. CROIX 92A NEW INSTALLATION ON STH 35  
MAP REFERENCE HWY: 35  
MAP REFERENCE SITE ID: CTH C - SOMERSET

PAVEMENT MARKING (SPECIAL MARKINGS)

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 35	SB STH 35	EB CTH C	WB CTH C	TOTAL QUANTITY
647.0456	PAVEMENT MARKING CURB EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	LF	15	15	--	--	30
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	41	38	--	45	124
647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	SM-ISLAND NOSE-YELLOW	MEDIAN ISLAND	EACH	1	1	--	--	2

COUNTY: TAYLOR  
MAP REFERENCE: TAYLOR 15  
MAP REFERENCE HWY: 64  
MAP REFERENCE SITE ID: 1ST AVE - GILMAN

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB 1ST AVE	SB 1ST AVE	EB STH 64	WB STH 64	TOTAL QUANTITY
647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	--	--	1	1	2

MAP REFERENCE: TAYLOR 16  
MAP REFERENCE HWY: 73  
MAP REFERENCE SITE ID: SOUTH JUNCTION STH 64 & STH 73

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 73	SB STH 73	EB STH 64	WB STH 64	TOTAL QUANTITY
647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	--	--	1	1	2

COUNTY: TAYLOR  
MAP REFERENCE: TAYLOR 103A WORK TIME RESTRICTIONS  
MAP REFERENCE HWY: 13  
MAP REFERENCE SITE ID: STH 13 NB AT ALLMAN ST RAB / MEDFORD

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 13	SB STH 13	EB ALLMAN STREET	WB ALLMAN STREET	TOTAL QUANTITY
646.0106	PAVEMENT MARKING EPOXY 4-INCH	W-RA-4 INCH-9	ROUNDABOUT	LF	54	--	--	--	54
646.0156	PAVEMENT MARKING EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	26	--	--	--	26
646.0600	REMOVING PAVEMENT MARKINGS	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	130	--	--	--	130
646.0600	REMOVING PAVEMENT MARKINGS	W-RA-4-INCH-9	ROUNDABOUT	LF	54	--	--	--	54
647.0156	PAVEMENT MARKING ARROWS EPOXY TYPE 1	SM-ARROW-1	ROUNDABOUT	EACH	1	--	--	--	1
647.0176	PAVEMENT MARKING ARROWS EPOXY TYPE 3	SM-ARROW-3-L	ROUNDABOUT	EACH	2	--	--	--	2
647.0955	REMOVING PAVEMENT MARKINGS ARROWS	SM-ARROW-1	ROUNDABOUT	EACH	1	--	--	--	1
647.0955	REMOVING PAVEMENT MARKINGS ARROWS	SM-ARROW-3-L	ROUNDABOUT	EACH	2	--	--	--	2

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE



MAP REFERENCE: TAYLOR 103B WORK TIME RESTRICTIONS

MAP REFERENCE HWY: 13

MAP REFERENCE SITE ID: STH 13 SB AT ALLMAN ST RAB / MEDFORD

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB		SB		EB	WB	TOTAL
					STH 13		STH 13		ALLMAN STREET	ALLMAN STREET	
646.0106	PAVEMENT MARKING EPOXY 4-INCH	W-RA-4 INCH-9	ROUNDABOUT	LF	--		45		--	--	45
646.0156	PAVEMENT MARKING EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	--		28		--	--	28
646.0600	REMOVING PAVEMENT MARKINGS	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	--		140		--	--	140
646.0600	REMOVING PAVEMENT MARKINGS	W-RA-4-INCH-9	ROUNDABOUT	LF	--		45		--	--	45
647.0156	PAVEMENT MARKING ARROWS EPOXY TYPE 1	SM-ARROW-1	ROUNDABOUT	EACH	--		1		--	--	1
647.0176	PAVEMENT MARKING ARROWS EPOXY TYPE 3	SM-ARROW-3-L	ROUNDABOUT	EACH	--		2		--	--	2
647.0955	REMOVING PAVEMENT MARKINGS ARROWS	SM-ARROW-1	ROUNDABOUT	EACH	--		1		--	--	1
647.0955	REMOVING PAVEMENT MARKINGS ARROWS	SM-ARROW-3-L	ROUNDABOUT	EACH	--		2		--	--	2

MAP REFERENCE: TAYLOR 103C WORK TIME RESTRICTIONS

MAP REFERENCE HWY: 13

MAP REFERENCE SITE ID: ALLMAN ST EB AT ALLMAN ST RAB / MEDFORD

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB		SB		EB	WB	TOTAL
					STH 13		STH 13		ALLMAN STREET	ALLMAN STREET	
646.0156	PAVEMENT MARKING EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	--		--		22	--	22
646.0600	REMOVING PAVEMENT MARKINGS	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	--		--		110	--	110

MAP REFERENCE: TAYLOR 103D WORK TIME RESTRICTIONS

MAP REFERENCE HWY: 13

MAP REFERENCE SITE ID: ALLMAN ST WB AT ALLMAN ST RAB / MEDFORD

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB		SB		EB	WB	TOTAL
					STH 13		STH 13		ALLMAN STREET	ALLMAN STREET	
646.0156	PAVEMENT MARKING EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	--		--		--	34	34
646.0600	REMOVING PAVEMENT MARKINGS	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	--		--		--	170	170

MAP REFERENCE: TAYLOR 104A WORK TIME RESTRICTIONS

MAP REFERENCE HWY: 13

MAP REFERENCE SITE ID: STH 13 NB AT ANN'S WAY RAB / MEDFORD

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB		SB		EB	WB	TOTAL
					STH 13		STH 13		ANN'S WAY	ANN'S WAY	
646.0106	PAVEMENT MARKING EPOXY 4-INCH	W-RA-4 INCH-9	ROUNDABOUT	LF	78		--		--	--	78
646.0156	PAVEMENT MARKING EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	16		--		--	--	16
646.0600	REMOVING PAVEMENT MARKINGS	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	64		--		--	--	64
646.0600	REMOVING PAVEMENT MARKINGS	W-RA-4-INCH-9	ROUNDABOUT	LF	78		--		--	--	78
647.0156	PAVEMENT MARKING ARROWS EPOXY TYPE 1	SM-ARROW-1	ROUNDABOUT	EACH	2		--		--	--	2
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	SM-ARROW-2-L	ROUNDABOUT	EACH	2		--		--	--	2
647.0955	REMOVING PAVEMENT MARKINGS ARROWS	SM-ARROW-1	ROUNDABOUT	EACH	2		--		--	--	2
647.0955	REMOVING PAVEMENT MARKINGS ARROWS	SM-ARROW-2-L	ROUNDABOUT	EACH	2		--		--	--	2

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

MAP REFERENCE: TAYLOR 104B WORK TIME RESTRICTIONS

MAP REFERENCE HWY: 13

MAP REFERENCE SITE ID: STH 13 SB AT ANN'S WAY RAB / MEDFORD

PAVEMENT MARKING (SPECIAL MARKINGS)									
ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 13	SB STH 13	EB ANN'S WAY	WB ANN'S WAY	TOTAL QUANTITY
646.0106	PAVEMENT MARKING EPOXY 4-INCH	W-RA-4 INCH-9	ROUNDABOUT	LF	--	90	--	--	90
646.0156	PAVEMENT MARKING EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	--	28	--	--	28
646.0600	REMOVING PAVEMENT MARKINGS	SM-CHEVRON-W	ROUNDABOUT APPROACH LANE	LF	--	288	--	--	288
646.0600	REMOVING PAVEMENT MARKINGS	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	--	140	--	--	140
646.0600	REMOVING PAVEMENT MARKINGS	W-RA-4-INCH-9	ROUNDABOUT	LF	--	90	--	--	90
647.0156	PAVEMENT MARKING ARROWS EPOXY TYPE 1	SM-ARROW-1	ROUNDABOUT	EACH	--	1	--	--	1
647.0170	PAVEMENT MARKING ARROWS EPOXY TYPE 3R	SM-RA-ARROW-3R	ROUNDABOUT APPROACH LANE	EACH	--	2	--	--	2
647.0176	PAVEMENT MARKING ARROWS EPOXY TYPE 3	SM-ARROW-3-L	ROUNDABOUT	EACH	--	1	--	--	1
647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	SM-CHEVRON-W	ROUNDABOUT APPROACH LANE	LF	--	96	--	--	96
647.0955	REMOVING PAVEMENT MARKINGS ARROWS	SM-ARROW-1	ROUNDABOUT	EACH	--	1	--	--	1
647.0955	REMOVING PAVEMENT MARKINGS ARROWS	SM-ARROW-3-L	ROUNDABOUT	EACH	--	1	--	--	1
647.0955	REMOVING PAVEMENT MARKINGS ARROWS	SM-RA-ARROW-3R	ROUNDABOUT APPROACH LANE	EACH	--	2	--	--	2

MAP REFERENCE: TAYLOR 104C WORK TIME RESTRICTIONS

MAP REFERENCE HWY: 13

MAP REFERENCE SITE ID: ANN'S WAY WB AT ANN'S WAY RAB / MEDFORD

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 13	SB STH 13	EB ANN'S WAY	WB ANN'S WAY	TOTAL QUANTITY
646.0156	PAVEMENT MARKING EPOXY 18-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	--	--	--	26	26
646.0600	REMOVING PAVEMENT MARKINGS	SM-RA-DOTTED EL-W	ROUNDABOUT	LF	--	--	--	104	104

COUNTY: TREMPEALEAU

MAP REFERENCE: TREMPEALEAU 08

MAP REFERENCE HWY: 35

MAP REFERENCE SITE ID: THIRD ST - CITY OF TREMPEALEAU

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB STH 35	SB MAIN ST	EB 3RD ST	WB STH 35	TOTAL QUANTITY
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	20	--	--	--	20

COUNTY: TREMPEALEAU

MAP REFERENCE: TREMPEALEAU 38

MAP REFERENCE HWY: 95

MAP REFERENCE SITE ID: GREEN BAY AVE - ARCADIA

ITEM NUMBER	BID ITEM DESCRIPTION	CODE	MARKING LOCATION	UNIT	NB GREEN BAY	SB GREEN BAY	EB STH 95	WB STH 95	TOTAL QUANTITY
647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	SM-RAILROAD	MAINLINE	EACH	--	--	1	1	2

ALL ITEMS ARE CATEGORY 0010 UNLESS NOTED OTHERWISE

PAVEMENT MARKING SUMMARY (SPECIAL MARKINGS)

CATEGORY	ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	TOTALS
0010	646.0106 *	PAVEMENT MARKING EPOXY 4-INCH	LF	267
	646.0156	PAVEMENT MARKING EPOXY 18-INCH	LF	289
	646.0600 +	REMOVING PAVEMENT MARKINGS	LF	1,413
	647.0110	PAVEMENT MARKING RAILROAD CROSSINGS EPOXY	EACH	26
	647.0156	PAVEMENT MARKING ARROWS EPOXY TYPE 1	EACH	27
	647.0160	PAVEMENT MARKING ARROWS EPOXY TYPE 2R	EACH	6
	647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	EACH	52
	647.0170	PAVEMENT MARKING ARROWS EPOXY TYPE 3R	EACH	4
	647.0176	PAVEMENT MARKING ARROWS EPOXY TYPE 3	EACH	7
	647.0356	PAVEMENT MARKING WORDS EPOXY	EACH	33
	647.0456	PAVEMENT MARKING CURB EPOXY	LF	401
	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	1,156
	647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	EACH	18
	647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	LF	1,668
	647.0746	PAVEMENT MARKING DIAGONAL EPOXY 24-INCH	LF	529
	647.0766	PAVEMENT MARKING CROSSWALK EPOXY 6-INCH	LF	119
	647.0796	PAVEMENT MARKING CROSSWALK EPOXY 24-INCH	LF	154
	647.0856	PAVEMENT MARKING CONCRETE CORRUGATED MEDIAN EPOXY	SF	3,298
	647.0955	REMOVING PAVEMENT MARKINGS ARROWS	EACH	14

\* ADDITIONAL QUANITITES SHOWN IN 'PAVEMENT MARKING (LONG LINE MARKINGS)' & 'PAVEMENT MARKING (NO PASSING ZONES)' TABLES

+ ADDITIONAL QUANITITES SHOWN IN 'PAVEMENT MARKING (NO PASSING ZONES)' TABLE

TRAFFIC CONTROL											
CATEGORY	MAP REFERNCE	MAP REFERENCE SITE ID	643.0100 PROJECT 1000-08-34 EACH	643.0300 DRUMS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 LIGHTS TYPE A DAYS	643.0715 LIGHTS TYPE C DAYS	643.0800 ARROW BOARDS DAYS	643.0900 SIGNS DAYS	643.1050 SIGNS PCMS DAYS	SPV.0045.01 PCMS CELLULAR COMMUNICATIONS DAYS
0010	ST. CROIX 04	HANLEY ROAD ROUNDABOUTS	--	150	3	6	25	3	14	2	2
	ST. CROIX 45BB	IH 94 EXIT 10 ROBERTS NORTH ROUNDABOUT	--	50	1	2	15	1	8	1	1
	TAYLOR 103	STH 13 AT ALLMAN STREET ROUNDABOUT	--	100	3	6	25	3	14	2	2
	TAYLOR 104	STH 13 AT ANN'S WAY ROUNDABOUT	--	100	3	6	25	3	14	2	2
	EAU CLAIRE 609	USH 12 EB & WB (CTHT - 425' WEST OF CRAIG RD)	--	--	--	--	--	--	--	3	3
PROJECT TOTALS			1	400	10	20	90	10	50	10	10





PAVEMENT MARKING (NO PASSING ZONES)								
CATEGORY	MAP		COUNTY	HWY	BEGIN	END	646.0106 *	646.0600 +
	REF#	MILES					PAVEMENT MARKING EPOXY 4-INCH YELLOW LF	REMOVING PAVEMENT MARKINGS LF
0020	NPZ 1	10.6	SAWYER TRAVELING	STH 27 NB	RUSK / SAWYER COUNTY LINE 7 TOUCHES - REMOVAL	STH 70 / OJIBWA	--	2,372
	NPZ 2	5.5	SAWYER TRAVELING	STH 27 NB	STH 70 / OJIBWA 7 TOUCHES - REMOVAL	STH 40 SOUTH / RADISSON	--	1,534
	NPZ 3	5.0	SAWYER TRAVELING	STH 27 NB	1.8 MILES NORTH OF CTH H 3 TOUCHES - REMOVAL	1192' NORTH OF CTH CC / COUDERAY	--	1,110
	NPZ 4	10.1	SAWYER TRAVELING	STH 27 NB	BOYLAN ROAD / NORTH OF STH 70 WEST 17 TOUCHES - REMOVAL	USH 63 SOUTH / HAYWARD	--	4,061
	NPZ 5	3.5	SAWYER TRAVELING	STH 27 NB	USH 63 NORTH / STH 77 EAST / HAYWARD 1 TOUCH - REMOVAL	STH 77 WEST	4,690	253
	NPZ 6	7.2	SAWYER TRAVELING	STH 27 NB	STH 77 WEST 13 TOUCHES - REMOVAL	SAWYER / BAYFIELD COUNTY LINE	1,050	3,889
	NPZ 7	0.9	SAWYER TRAVELING	STH 40 NB	1600' NORTH OF ELK CREEK LANE 2 TOUCHES - REMOVAL	200' NORTH OF GRIMH ROAD	--	280
	NPZ 8	2.0	SAWYER TRAVELING	STH 48 EB	R APPLEBEE ROAD (2 MILES WEST OF EXELAND) 1 TOUCH - REMOVAL	CTH C / EXELAND	2,168	528
	NPZ 9	2.0	SAWYER TRAVELING	STH 70 EB	3700' EAST OF KOEPLER ROAD 2 TOUCH - REMOVAL	CTH W	--	285
	NPZ 10	POINT	SAWYER TRAVELING	STH 70 EB	1000' EAST OF SUNDLING ROAD 1 TOUCH - REMOVAL		--	100
	NPZ 11	POINT	SAWYER TRAVELING	STH 70 EB	1900' EAST OF HOFFMAN ROAD 1 TOUCH - REMOVAL		--	89
	NPZ 12	POINT	SAWYER TRAVELING	STH 70 EB	900' EAST OF SNUSS BLVD		232	--
	NPZ 13	4.0	SAWYER TRAVELING	STH 77 EB	90' EAST OF RIVERSIDE ROAD / HAYWARD 1 TOUCH - REMOVAL	1158' WEST OF ROUND SCHOOL HOUSE ROAD	--	300
	NPZ 14	3.1	SAWYER TRAVELING	STH 77 EB	LOWER TWIN LAKE ROAD 1 TOUCH - REMOVAL	CTH A / SOUTH	1,817	131
	NPZ 15	6.8	SAWYER TRAVELING	STH 77 EB	CTH A / SOUTH	CTH S / SOUTH	24,706	--
	NPZ 16	POINT	SAWYER TRAVELING	STH 77 EB	2912' EAST OF OLD HWY 77 1 TOUCH - REMOVAL		--	162
CATEGORY 0020 TOTALS							34,663	15,094
* ADDITIONAL QUANITTES SHOWN IN 'PAVEMENT MARKING (LONG LINE MARKINGS)' & 'PAVEMENT MARKING (NO PASSING ZONES)' TABLES								
+ ADDITIONAL QUANITTES SHOWN IN 'PAVEMENT MARKING (SPECIAL MARKINGS)' TABLE								

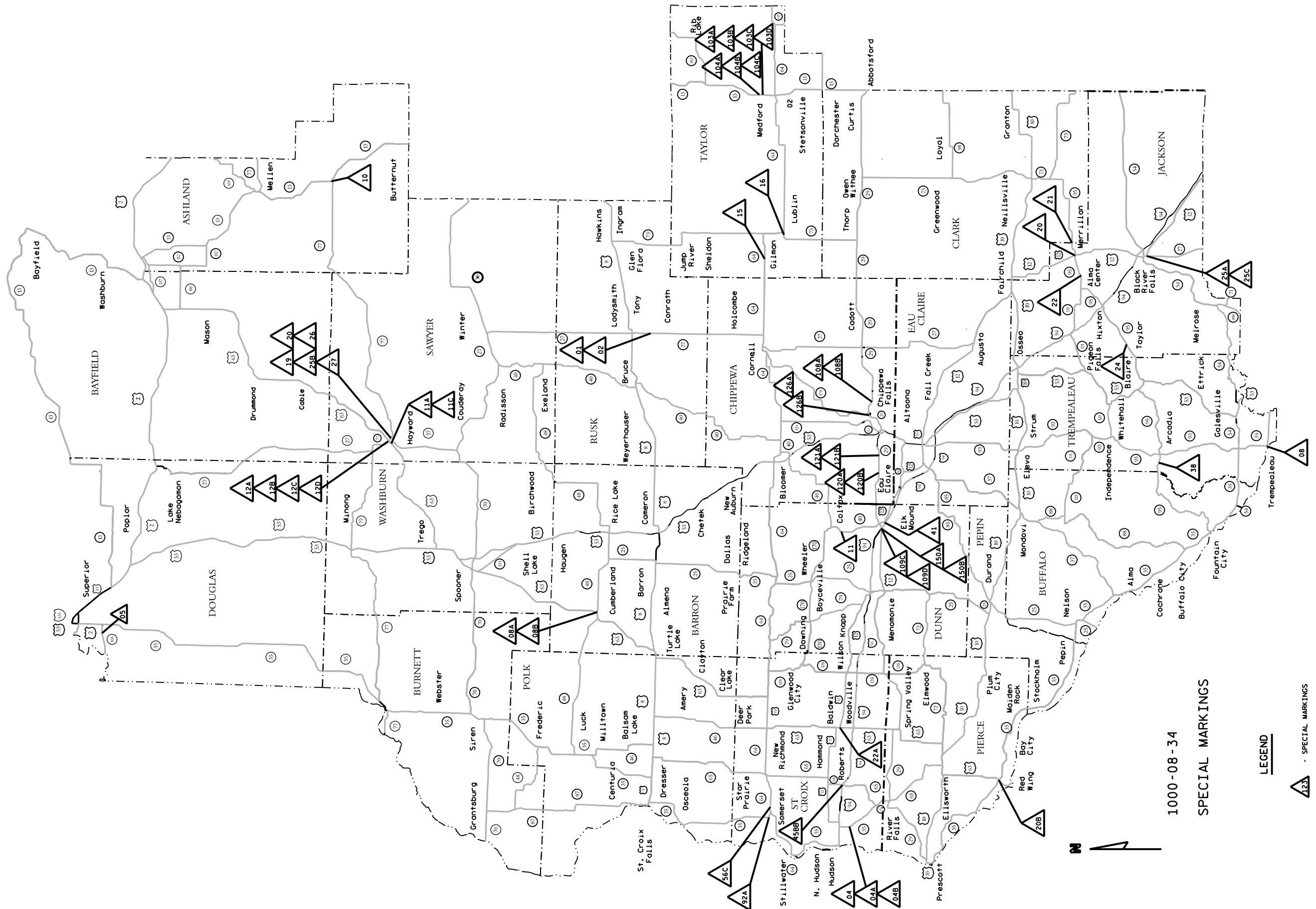


## LONG LINE MARKINGS

NO PASSING ZONES MARKINGS

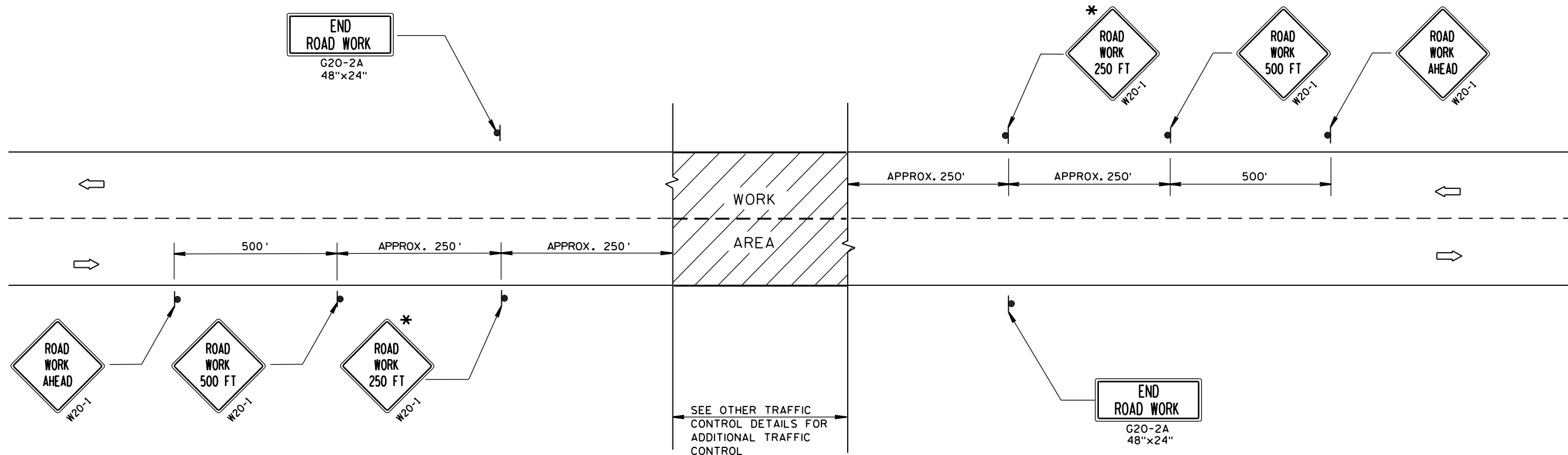
## LEGEND

- |   |   |                                |
|---|---|--------------------------------|
|  | — | - EPOXY                        |
|  | — | - GROOVED WET REFLECTIVE EPOXY |
|  | — | - TAPE                         |
|  | — | - REMOVALS                     |



Standard Detail Drawing List

15C05-02	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS
15C07-12A	PAVEMENT MARKING SYMBOLS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C07-12D	ROUNDABOUT ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16C	PAVEMENT MARKING (CLIMBING LANE & PASSING LANE)
15C08-16D	PAVEMENT MARKING (CLIMBING LANE & PASSING LANE)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C09-09A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C18-03	MEDIAN ISLAND MARKING
15C19-02A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-02B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-02C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-02	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-03	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

## GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

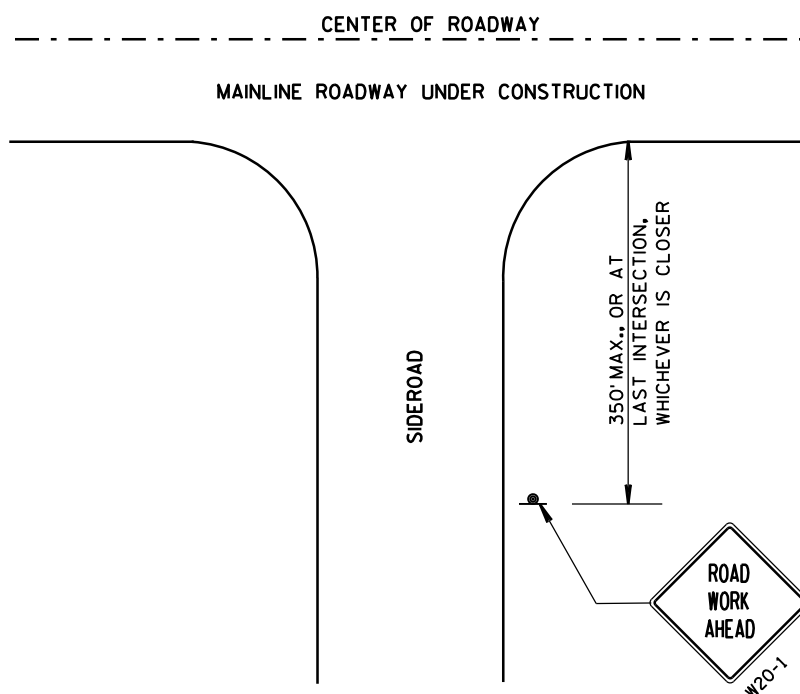
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

\* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



## LEGEND

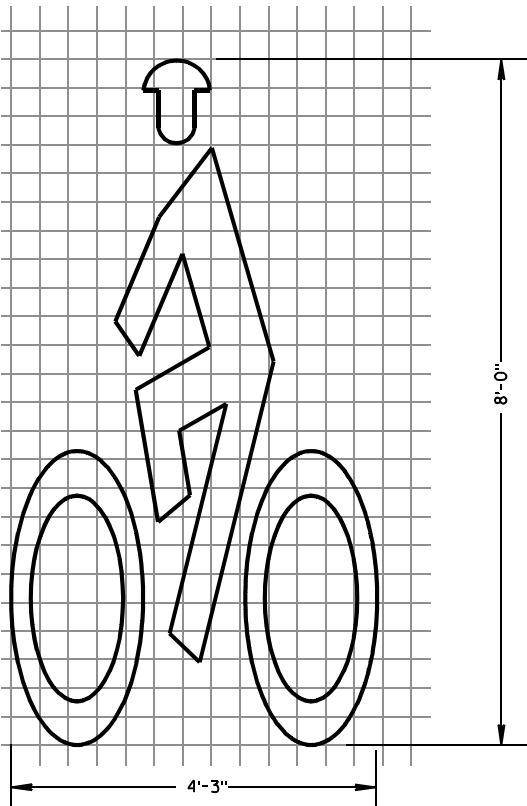
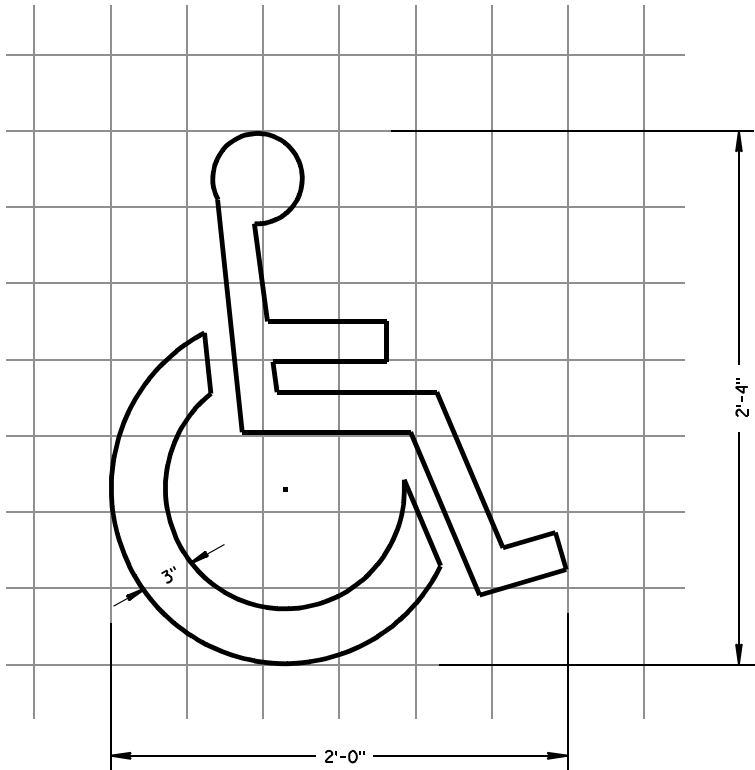
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE  
WARNING SIGNS 40 M.P.H.  
OR LESS TWO-WAY UNDIVIDED  
ROAD OPEN TO TRAFFIC

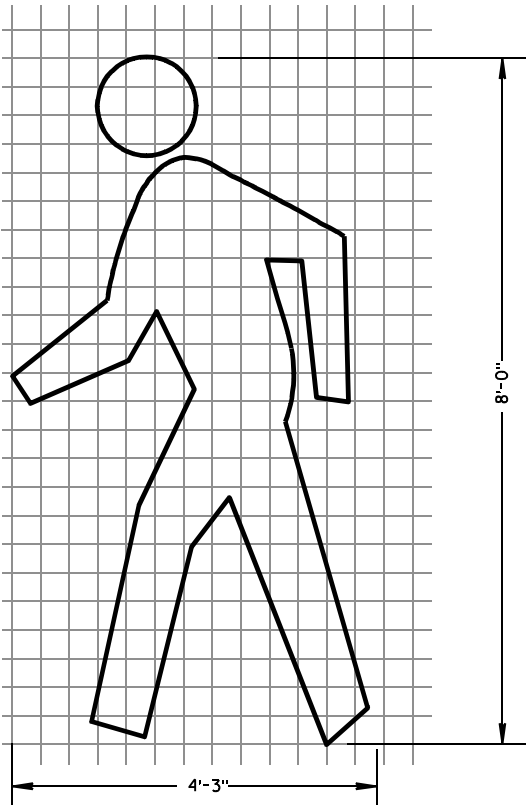
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
8/2013 /S/ Travis Feltes  
DATE STATE TRAFFIC ENGINEER OF DESIGN  
FHWA

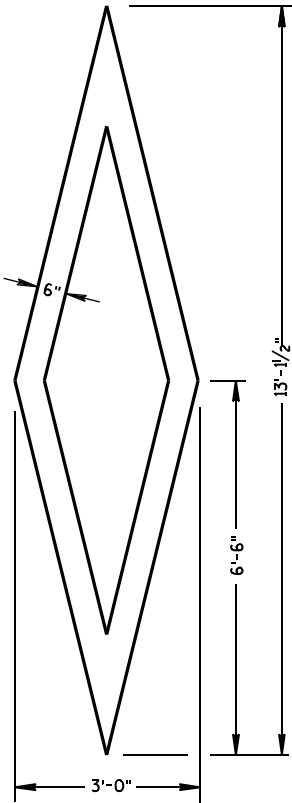




BIKE CROSSING SYMBOL



PEDESTRIAN SYMBOL



PREFERENTIAL  
LANE SYMBOL

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

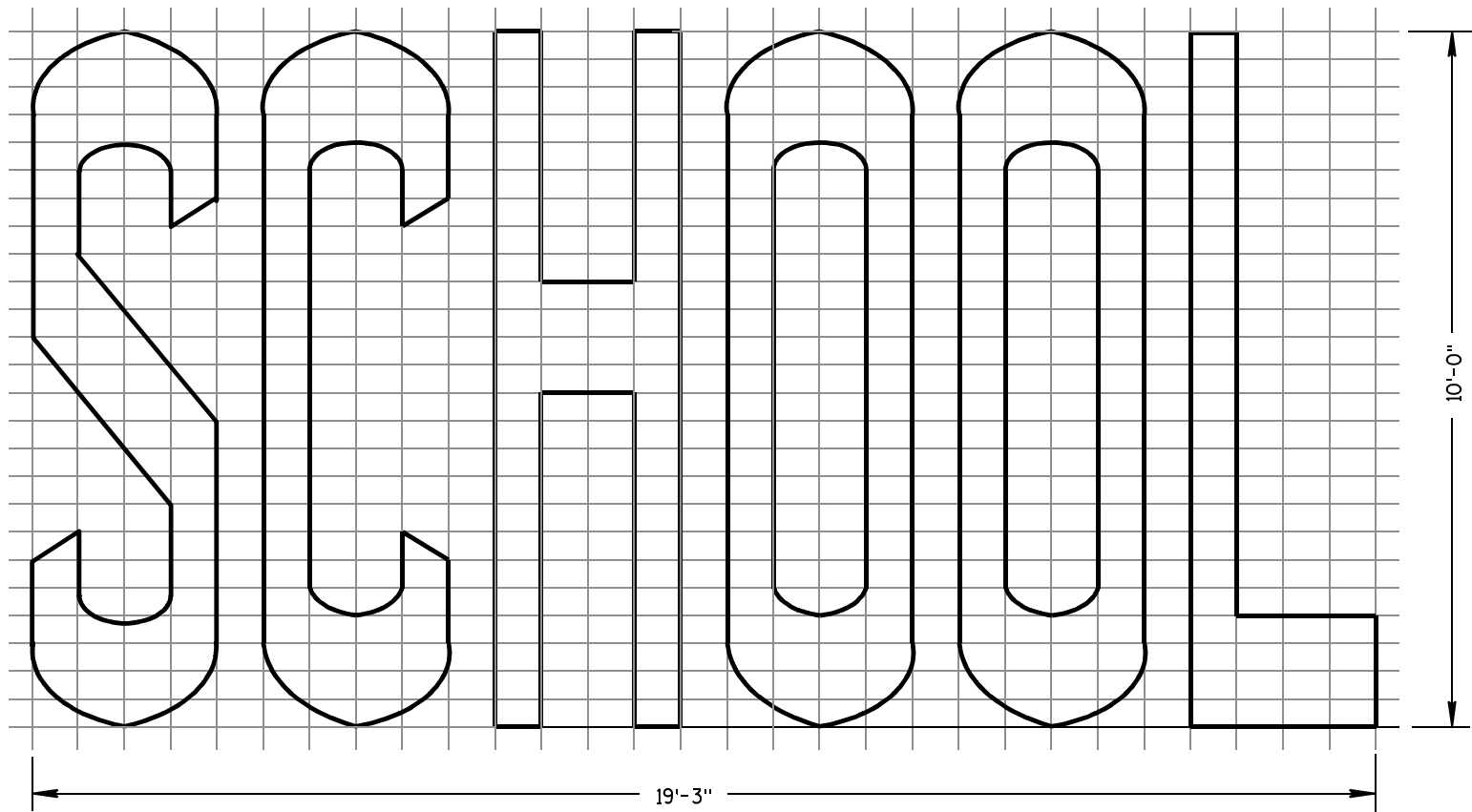
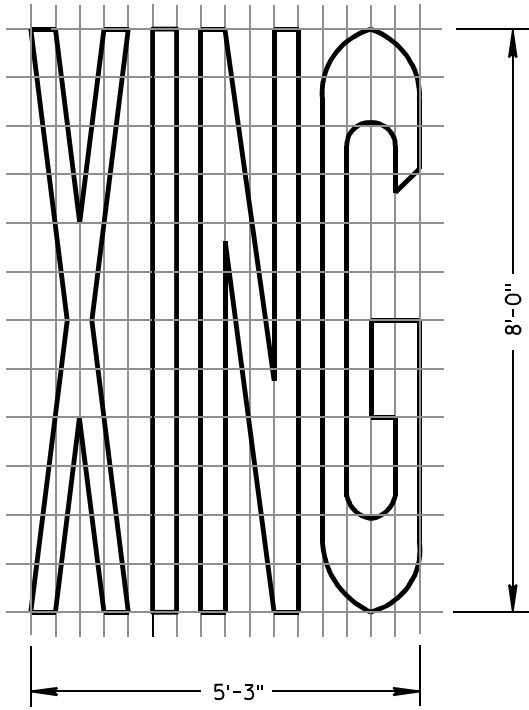
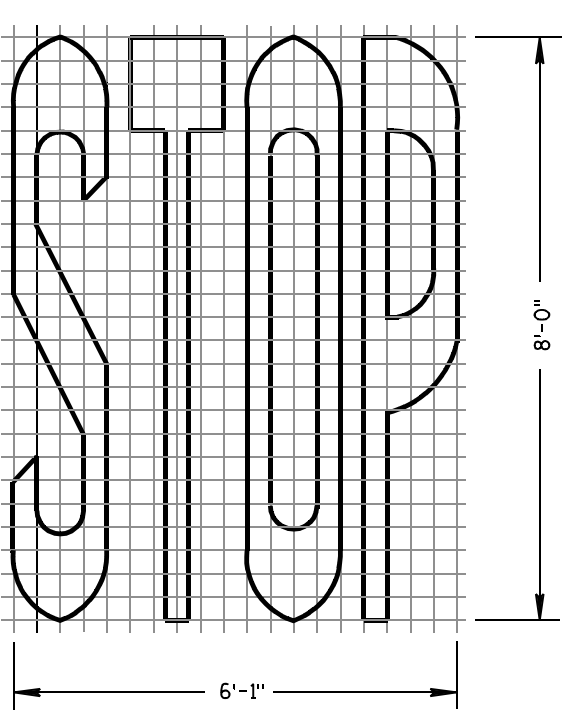
A DETAILED DRAWING OF THE HANDICAPPED PARKING SYMBOL IS ILLUSTRATED IN THE "STANDARD HIGHWAY SIGNS MANUAL" BY THE FEDERAL HIGHWAY ADMINISTRATION.

PAVEMENT MARKING SYMBOLS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 7/1/11 DATE	/S/ Thomas N Notbohm STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

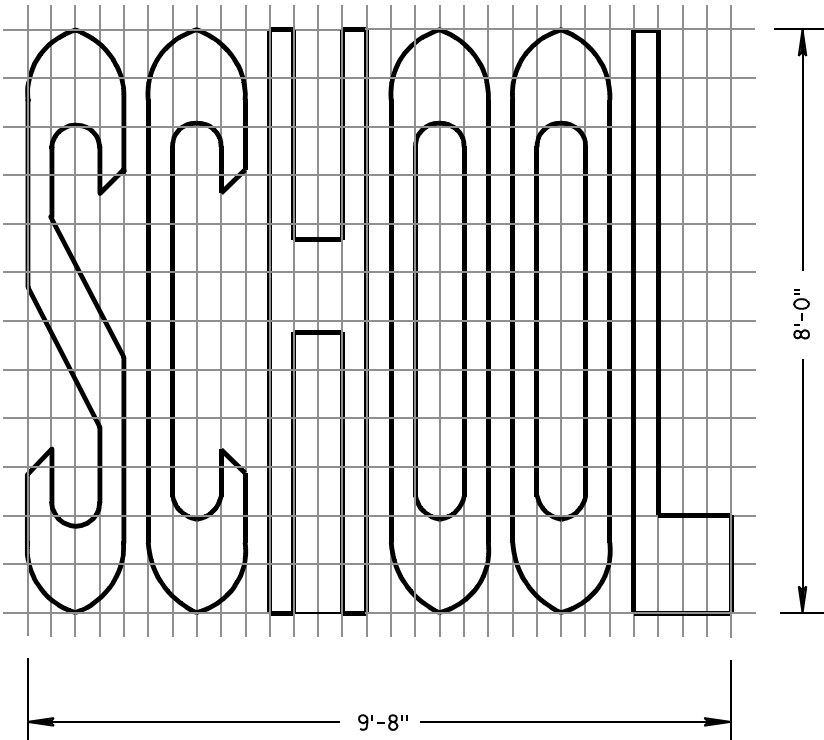
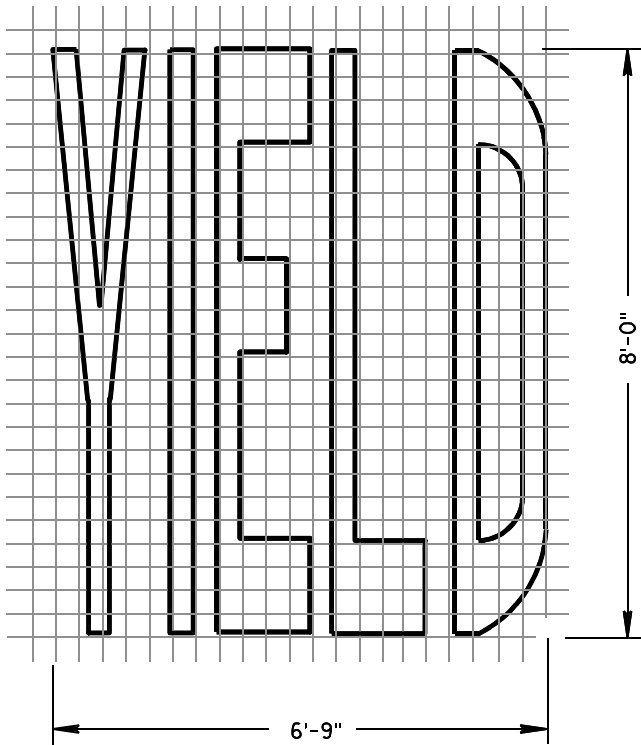
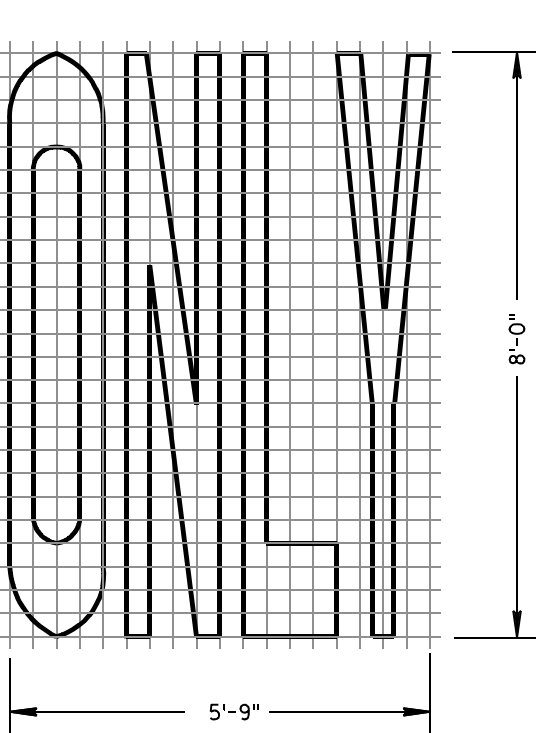
GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

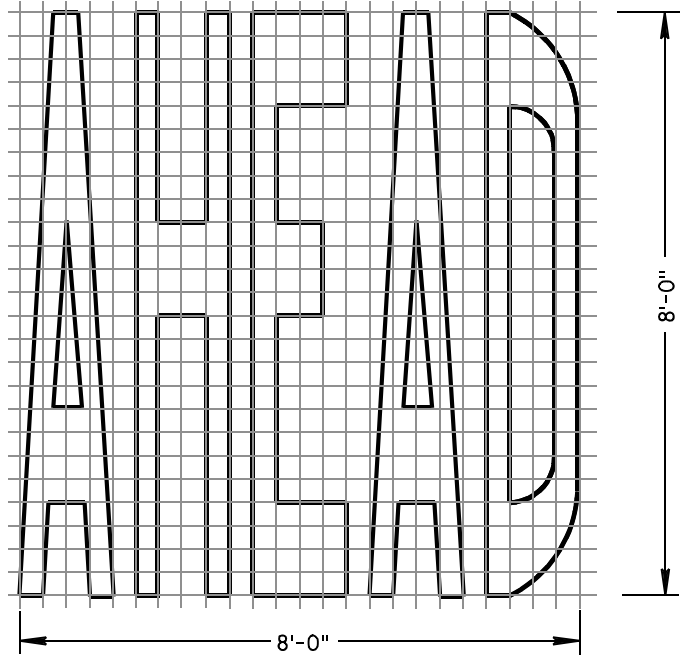
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



TWO-LANE



SINGLE-LANE



PAVEMENT MARKING WORDS

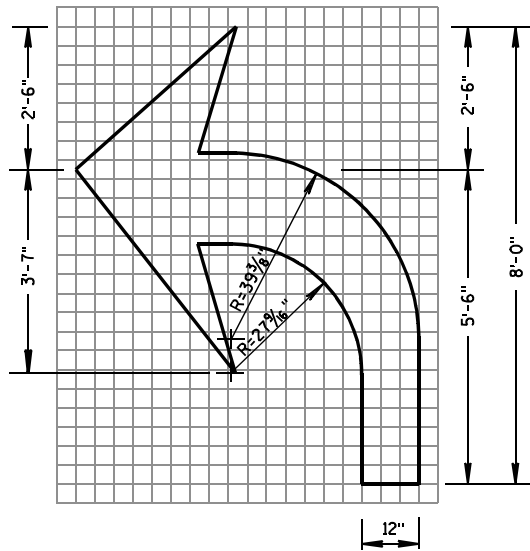
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED

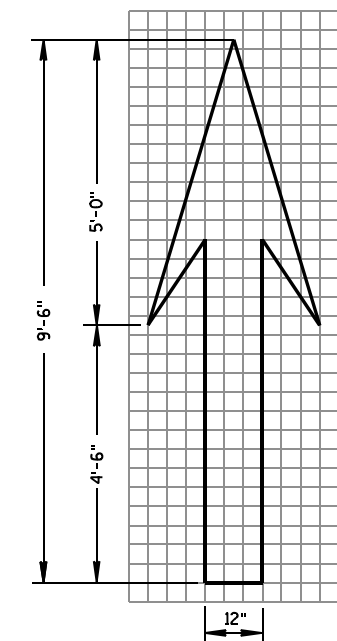
7-1-11  
DATE

/S/ Thomas N. Notbohm  
STATE TRAFFIC ENGINEER OF DESIGN

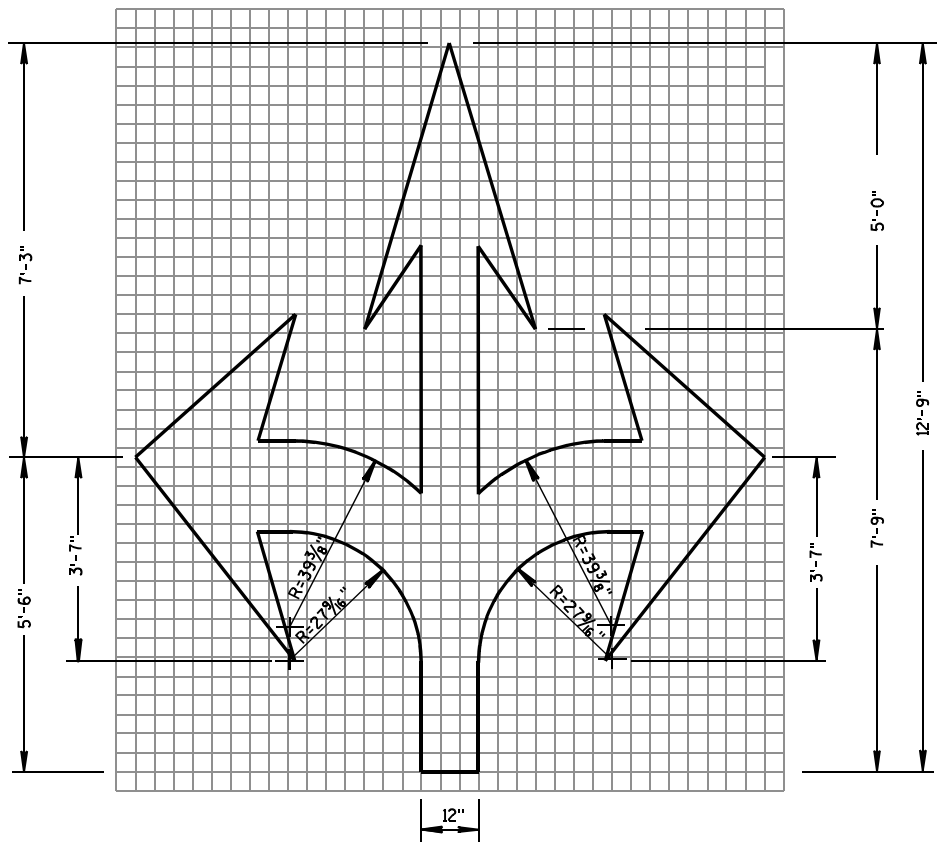
FHWA



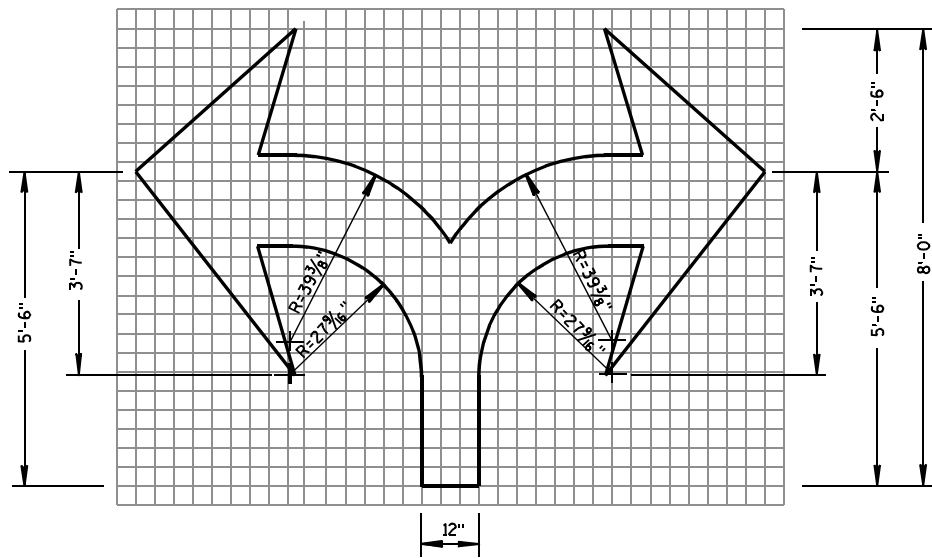
TYPE 2



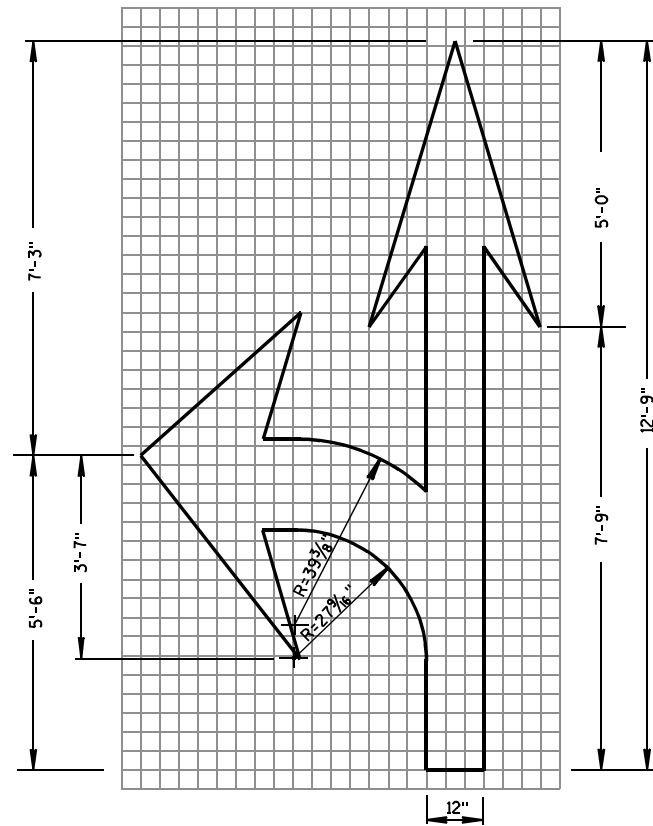
TYPE 1



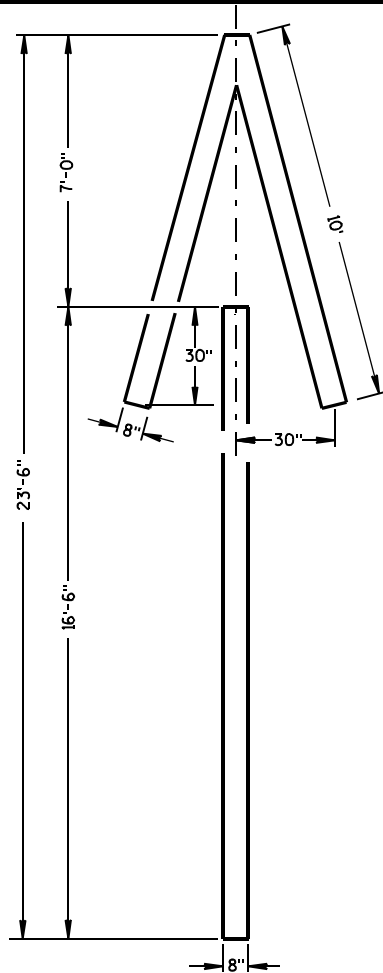
TYPE 6



TYPE 7



TYPE 3

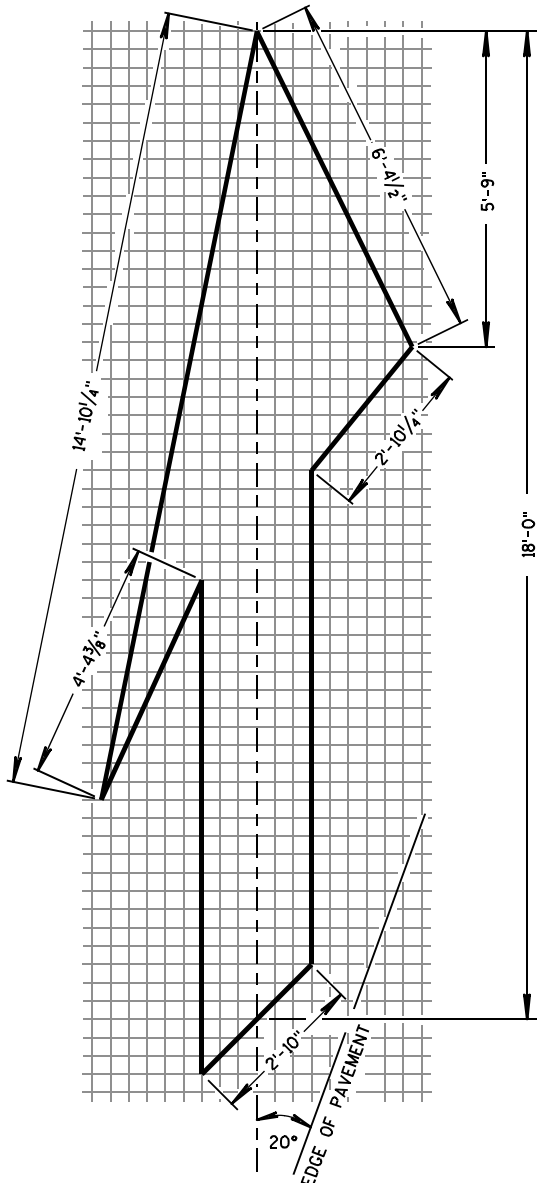


TYPE 4

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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TYPE 5 LANE DROP ARROW

PAVEMENT MARKING ARROWS

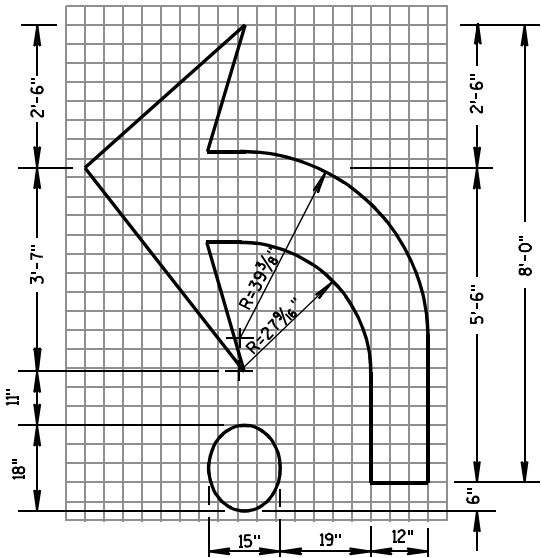
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED

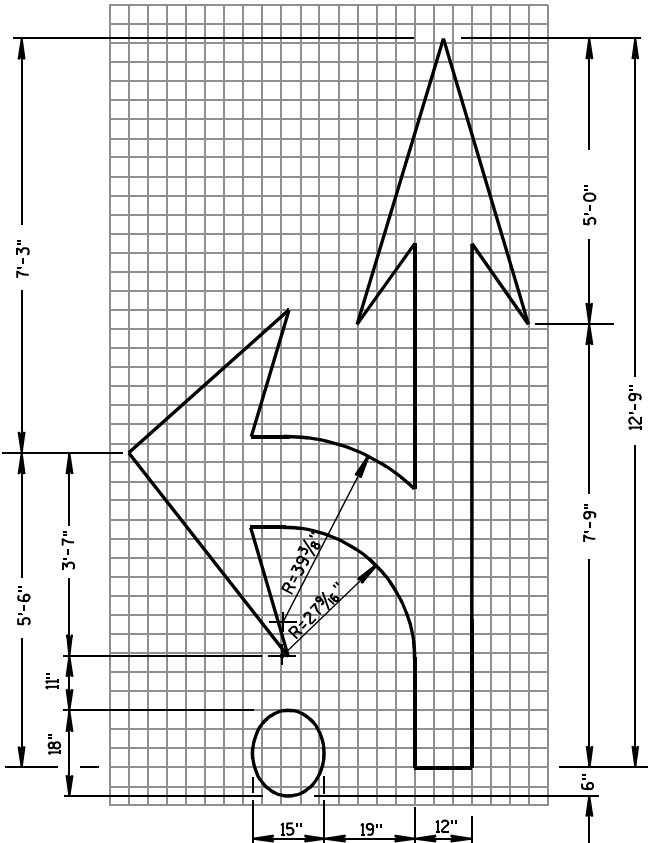
7/1/11  
DATE

/S/ Thomas N. Notbohm  
STATE TRAFFIC ENGINEER OF DESIGN

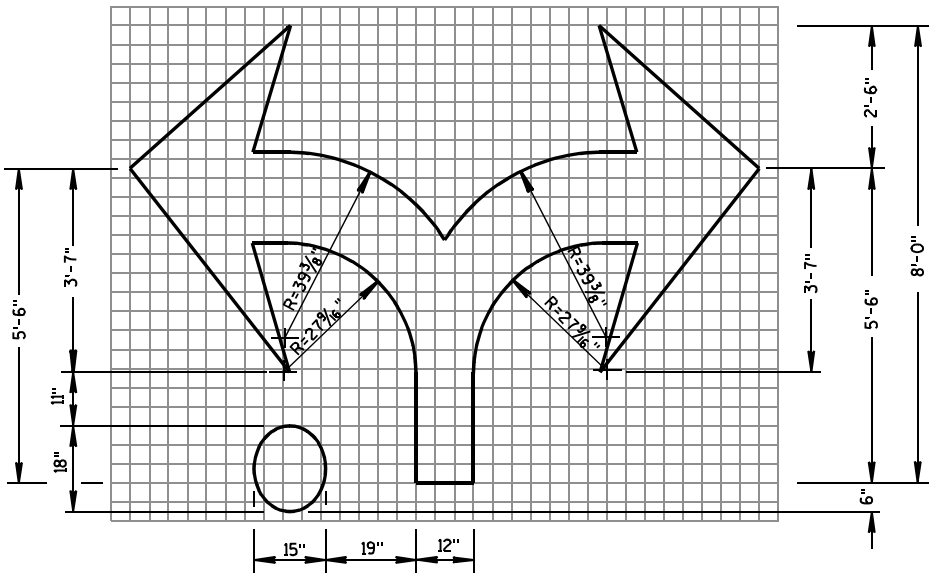
FHWA



TYPE 2R



TYPE 3R

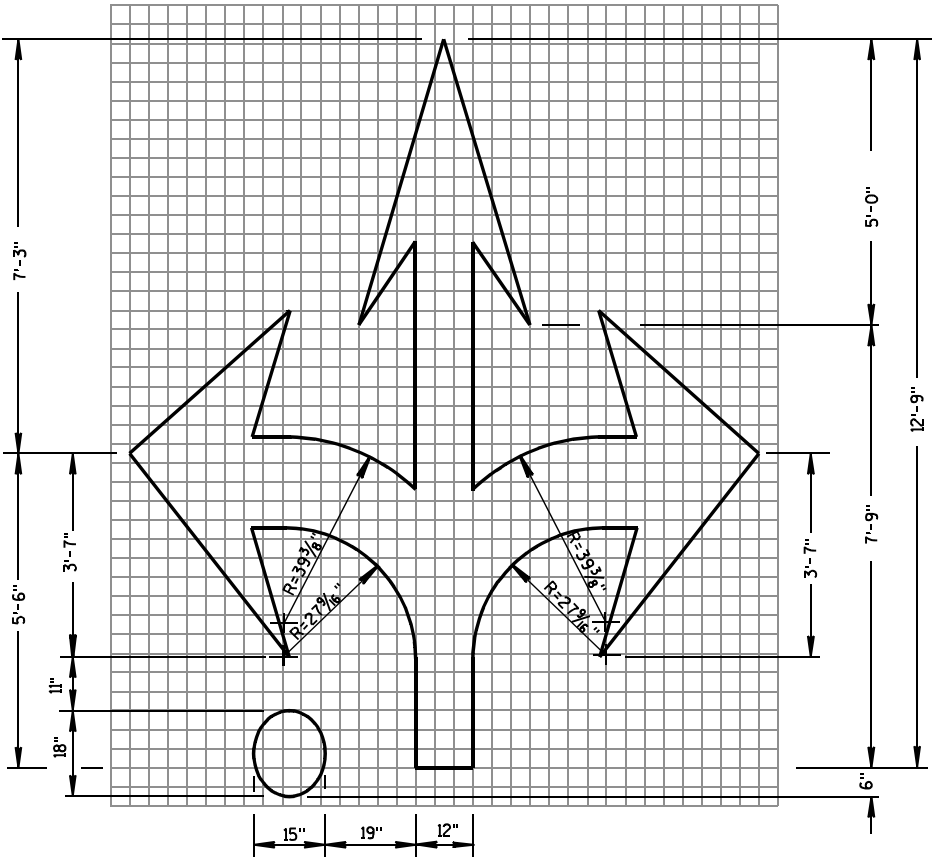


TYPE 7R

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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TYPE 6R

ROUNDABOUT ARROWS

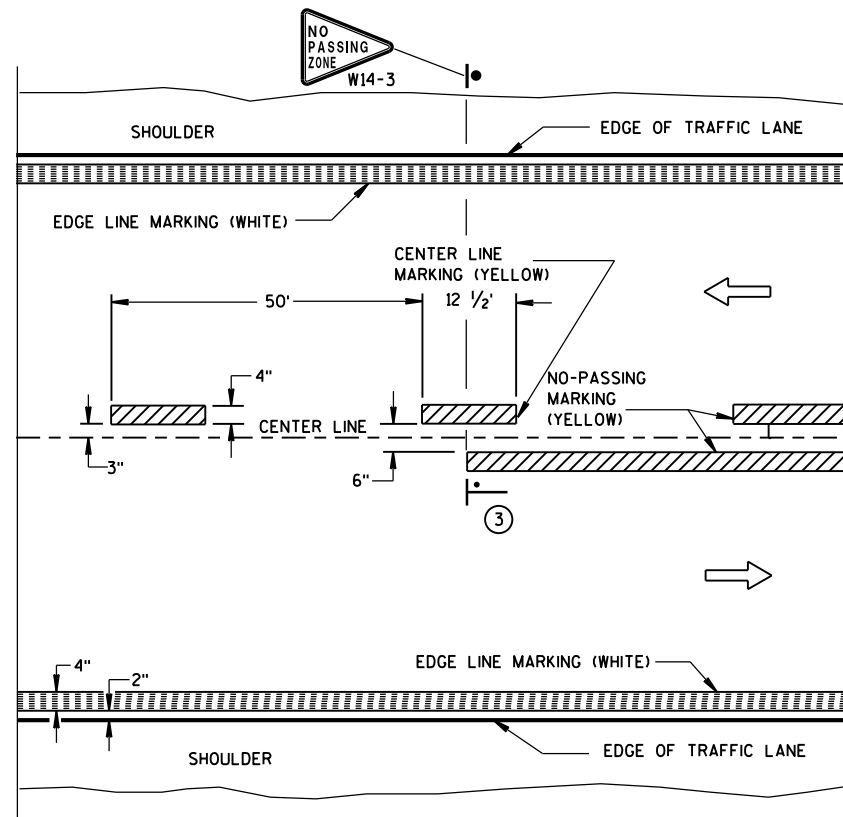
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED

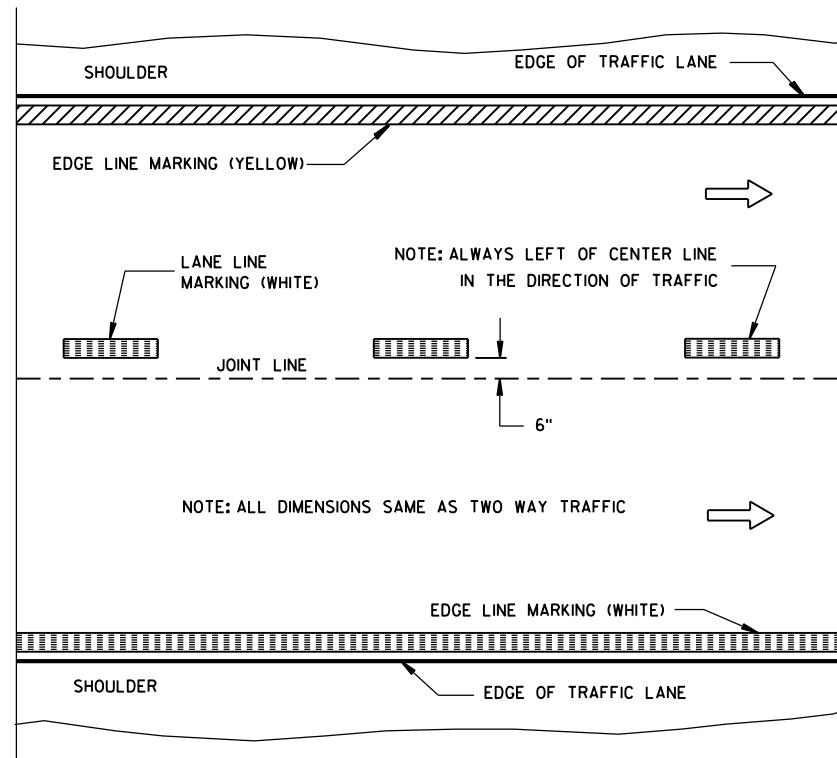
7/1/11  
DATE

/S/ Thomas N. Notbohm  
STATE TRAFFIC ENGINEER OF DESIGN

FHWA

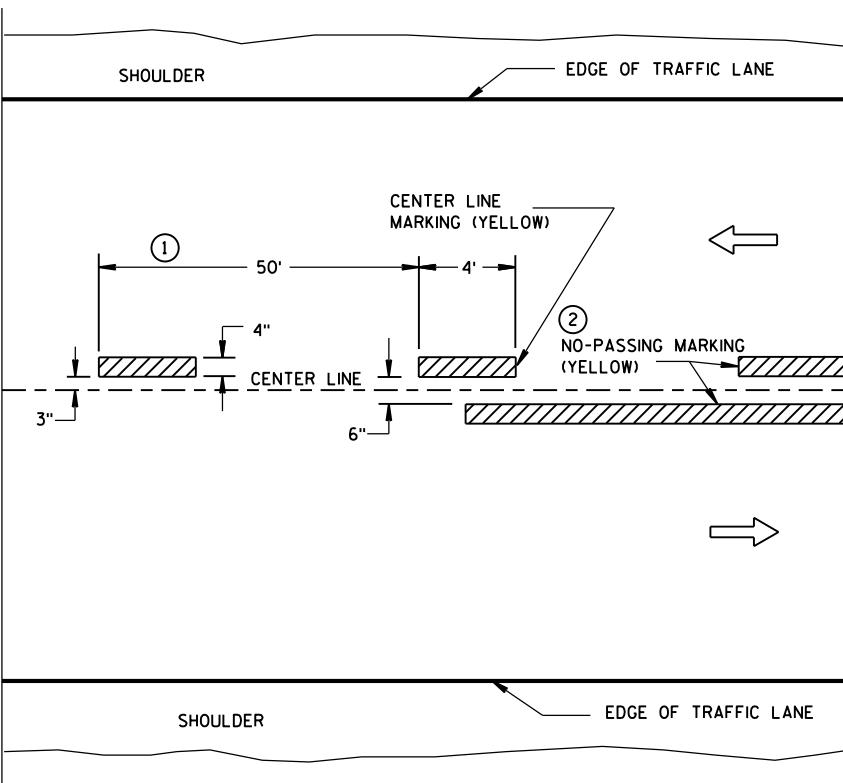


TWO WAY TRAFFIC

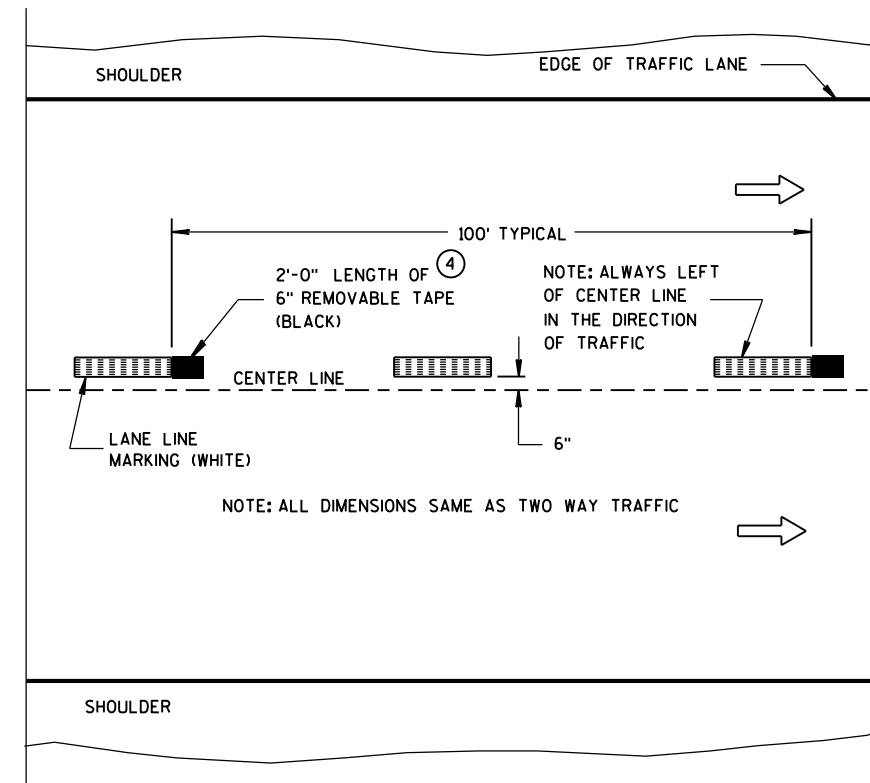


ONE WAY TRAFFIC

## PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING  
(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

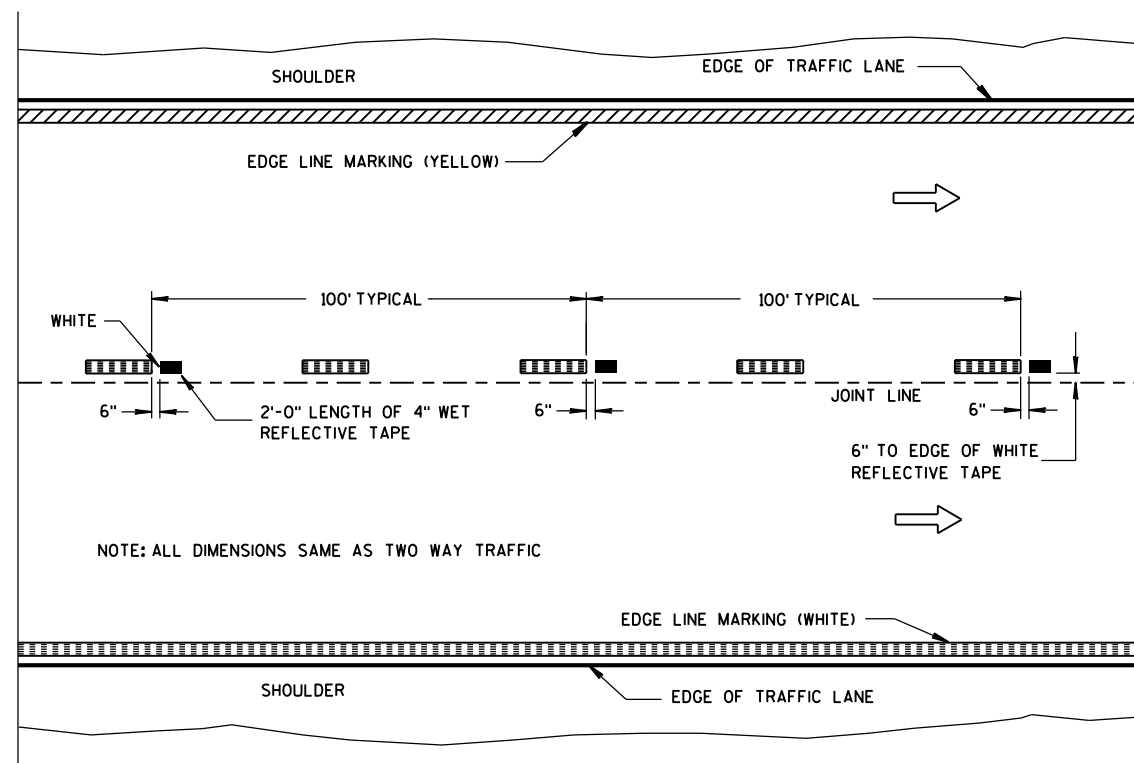
## GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- ① HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
- ② NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
- ③ NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
- ④ CONCRETE ONLY.

## NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO  
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

## LEGEND

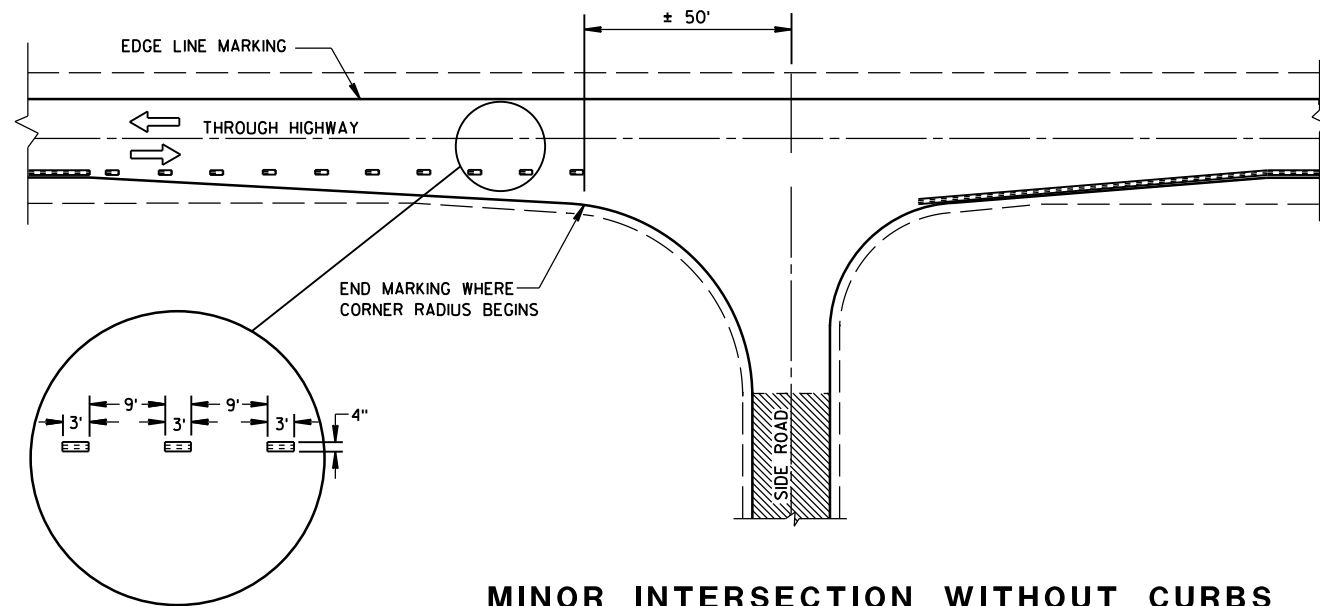
- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING  
(MAINLINE)

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
5-13-2013  
DATE  
FHWA

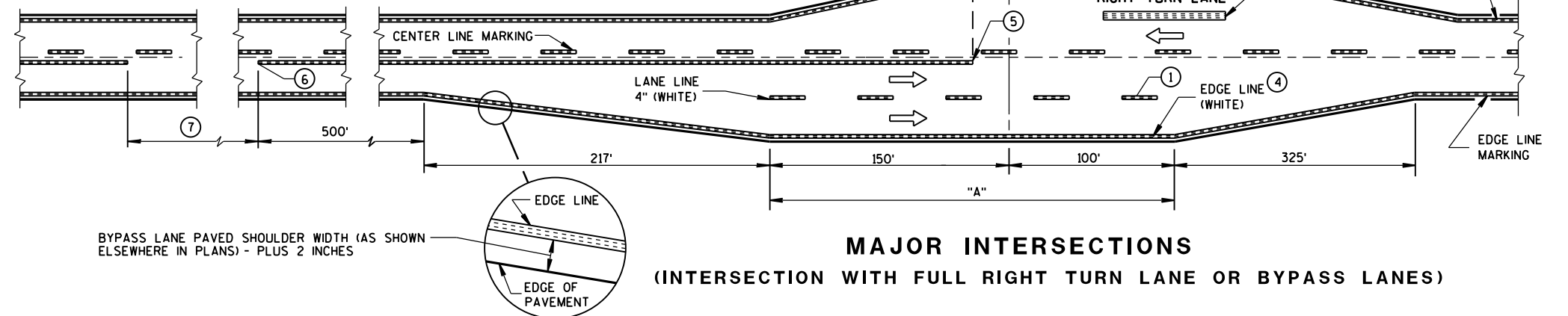
/S/ Travis Feltes  
STATE TRAFFIC ENGINEER



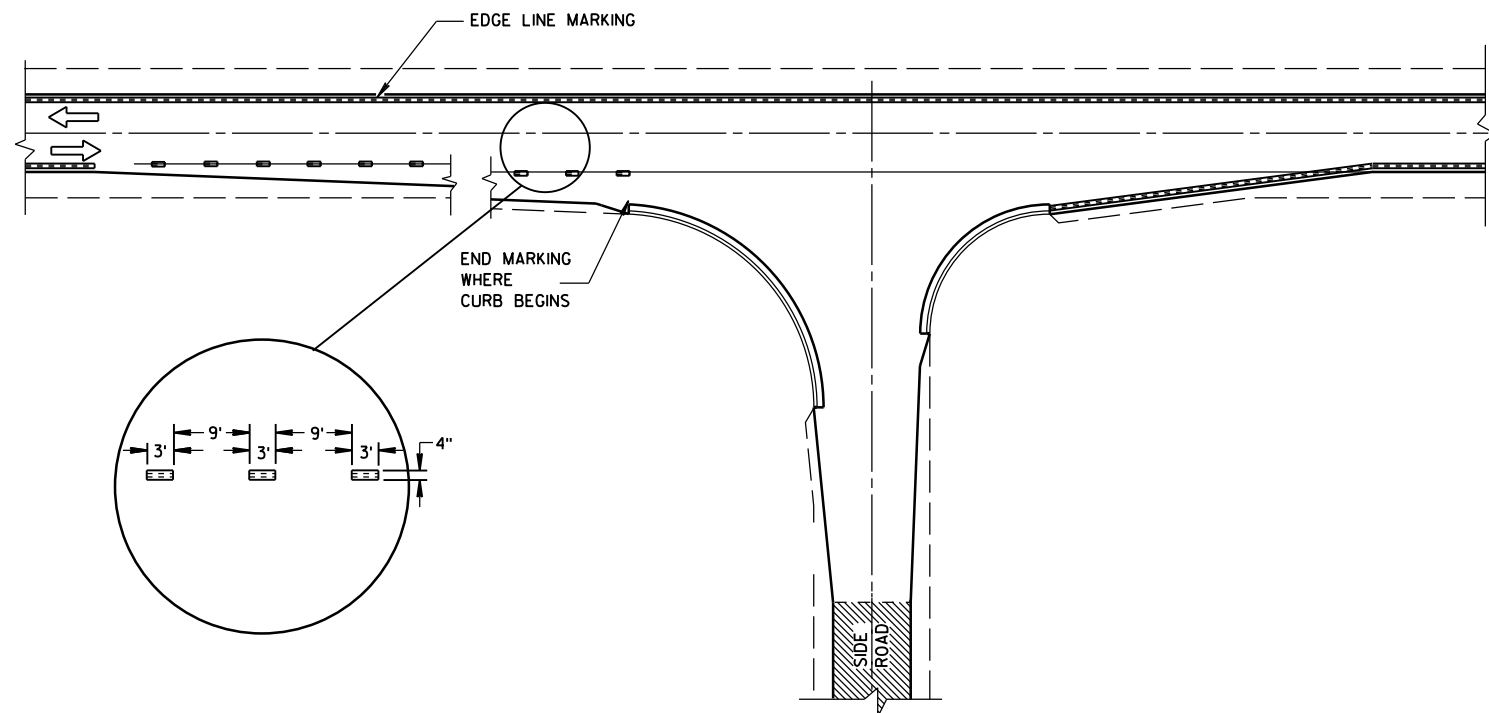
**MINOR INTERSECTION WITHOUT CURBS**

⑦

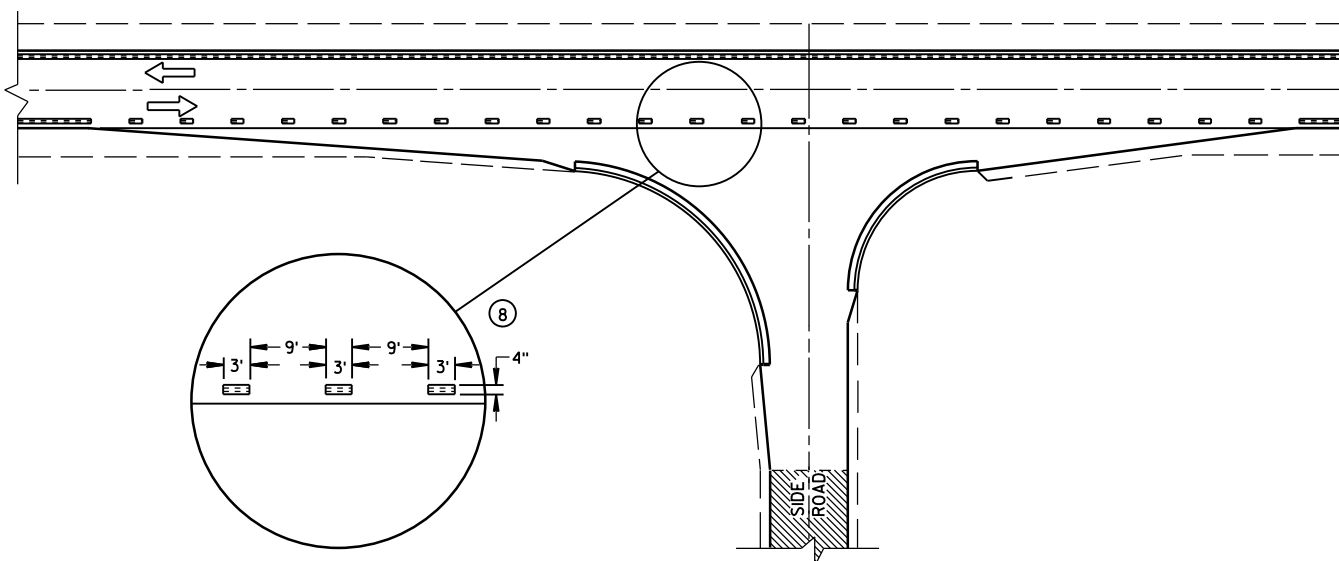
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



**MAJOR INTERSECTIONS**  
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



**MINOR INTERSECTION WITH CURBS**  
(TYPICAL MARKING)



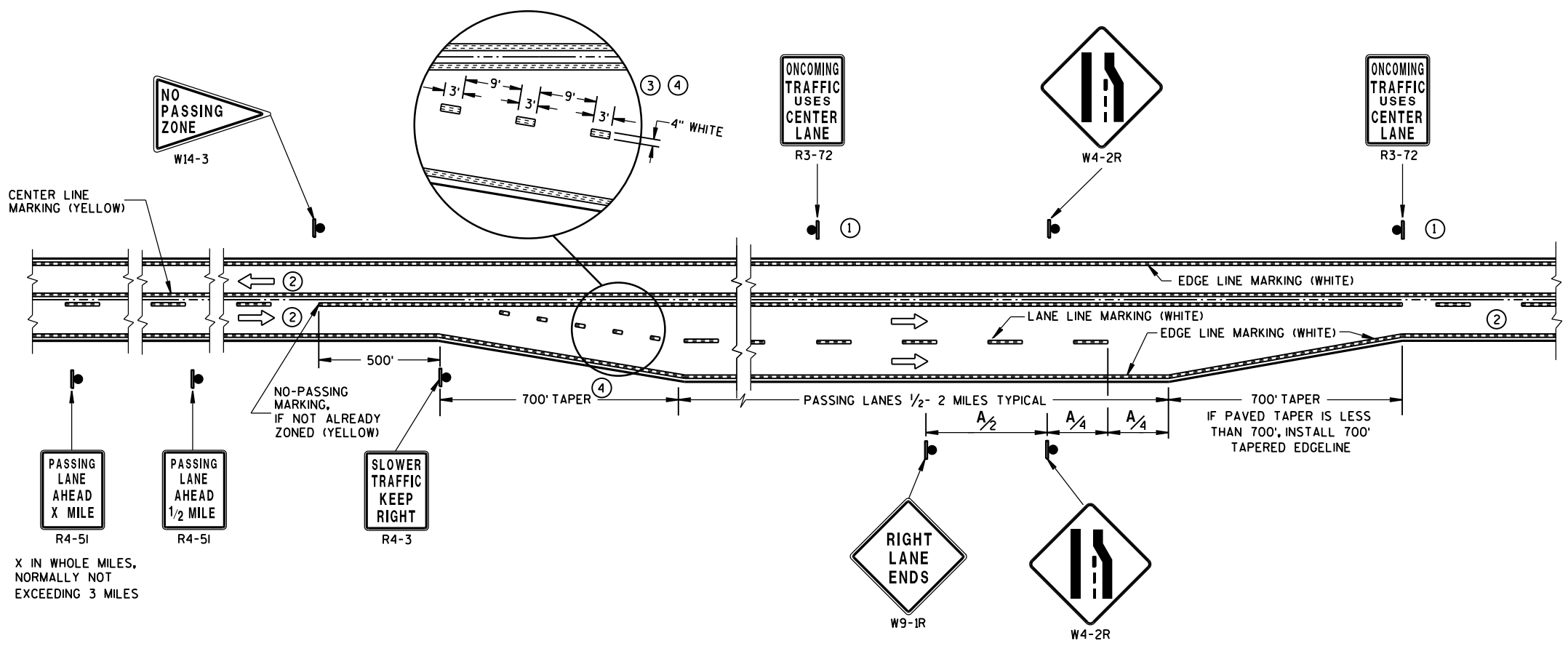
**MINOR INTERSECTION WITH CURBS**  
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

## GENERAL NOTES

- EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
  - ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
  - ③ ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.
  - ④ THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.
  - ⑤ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
  - ⑥ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
  - ⑦ IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.
  - ⑧ 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ARROW SYMBOL ( → ) SHOWS DIRECTION OF TRAVEL

PAVEMENT MARKING  
(INTERSECTIONS)

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



**SOLID DOUBLE-YELLOW LINE  
(THROUGHOUT ENTIRE PASSING/CLIMBING LANE)**

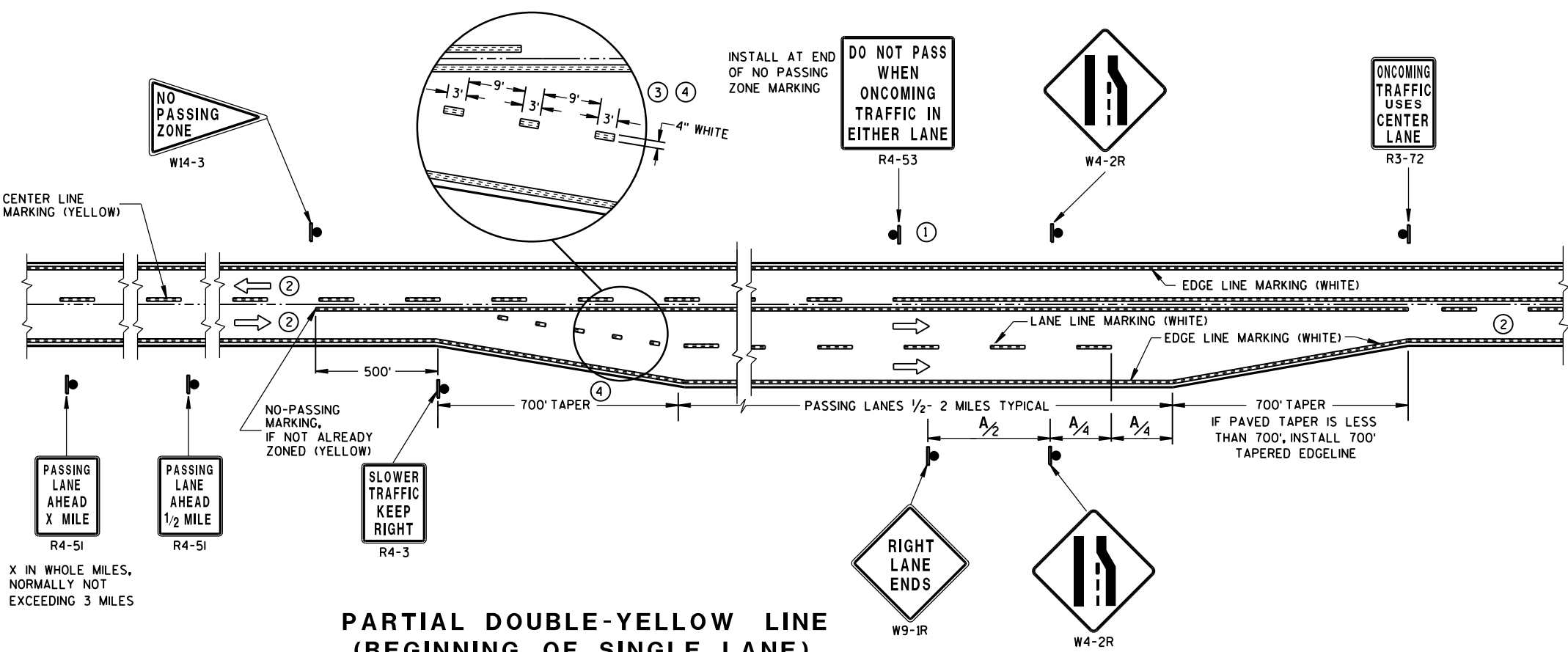
**GENERAL NOTES**

- ① SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- ② THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- ③ THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ④ WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING/CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.

ARROW SYMBOL ( ➡ ) SHOWS DIRECTION OF TRAVEL

**DISTANCE TABLE**

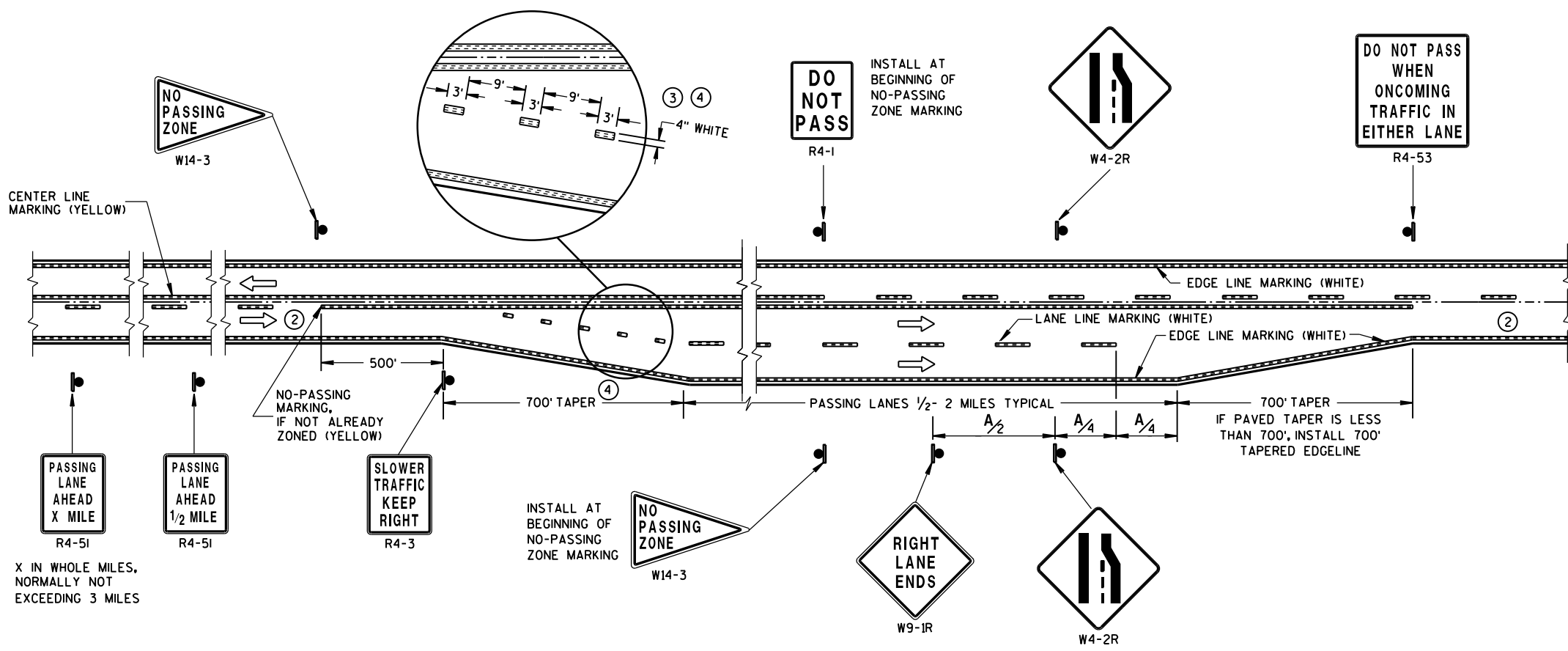
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950



**PARTIAL DOUBLE-YELLOW LINE  
(BEGINNING OF SINGLE LANE)**

**PAVEMENT MARKING & SIGNING  
(CLIMBING LANE & PASSING LANE)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



**SOLID DOUBLE-YELLOW LINE  
(END OF SINGLE LANE)**

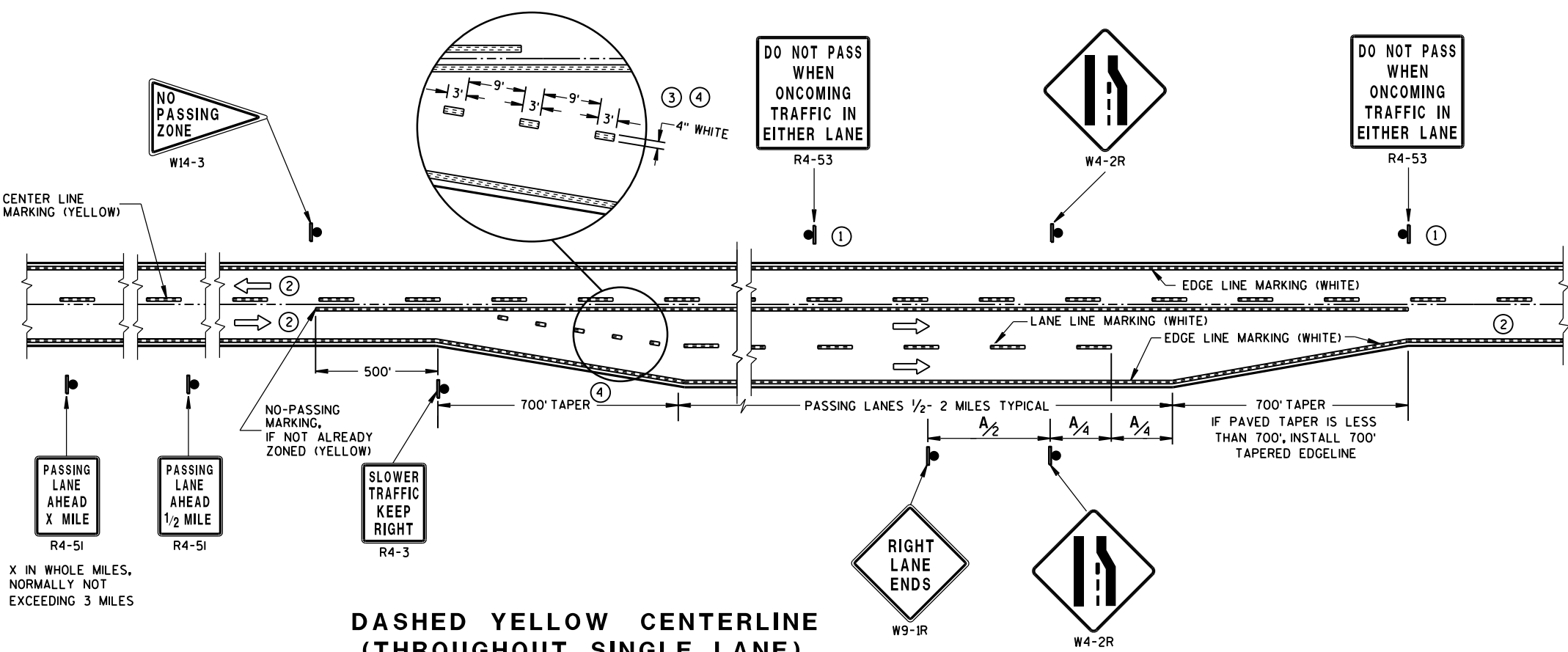
**GENERAL NOTES**

- ① SIGN SHALL BE REPEATED AT 1/2 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- ② THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- ③ THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ④ WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING/CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.

ARROW SYMBOL ( → ) SHOWS DIRECTION OF TRAVEL

**DISTANCE TABLE**

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950

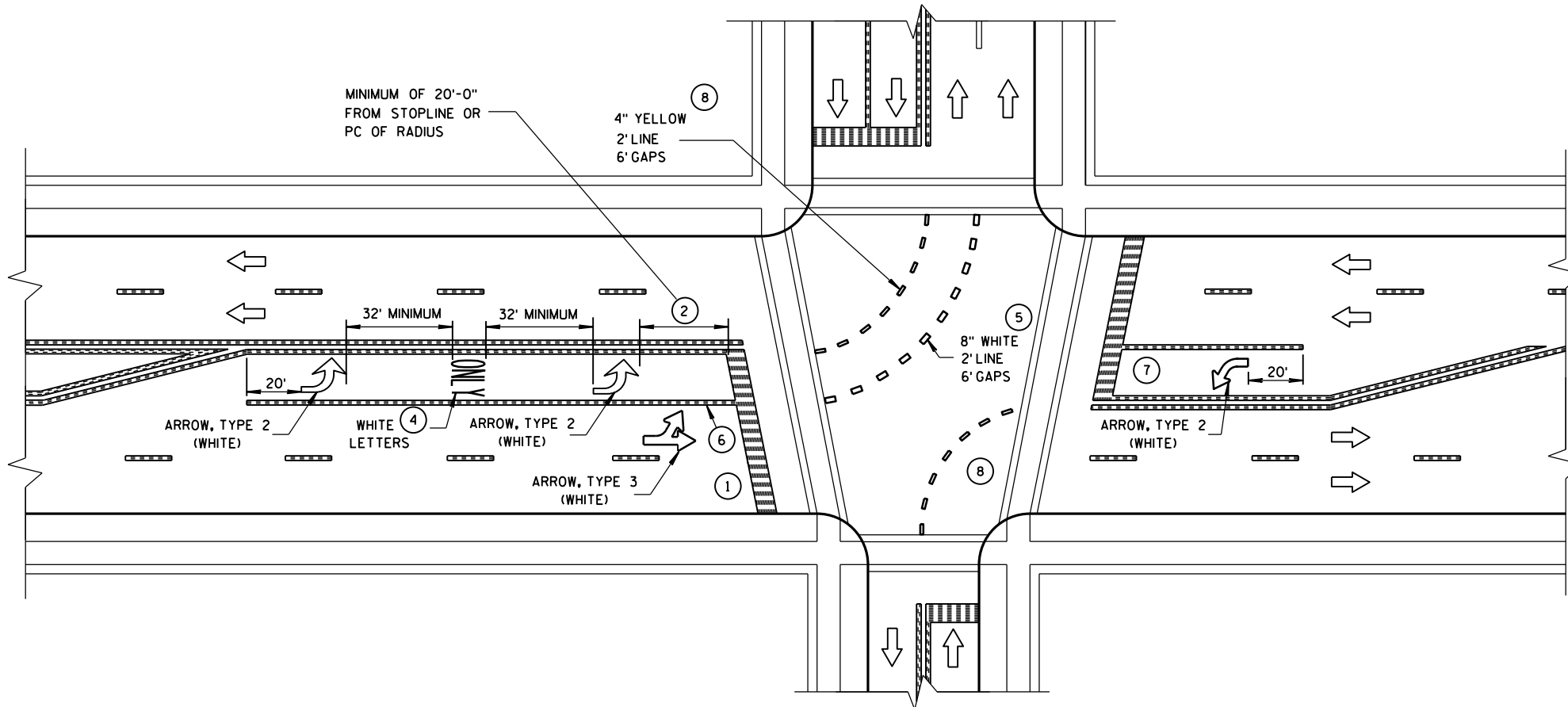


**DASHED YELLOW CENTERLINE  
(THROUGHOUT SINGLE LANE)**

**PAVEMENT MARKING & SIGNING  
(CLIMBING LANE &  
PASSING LANE)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

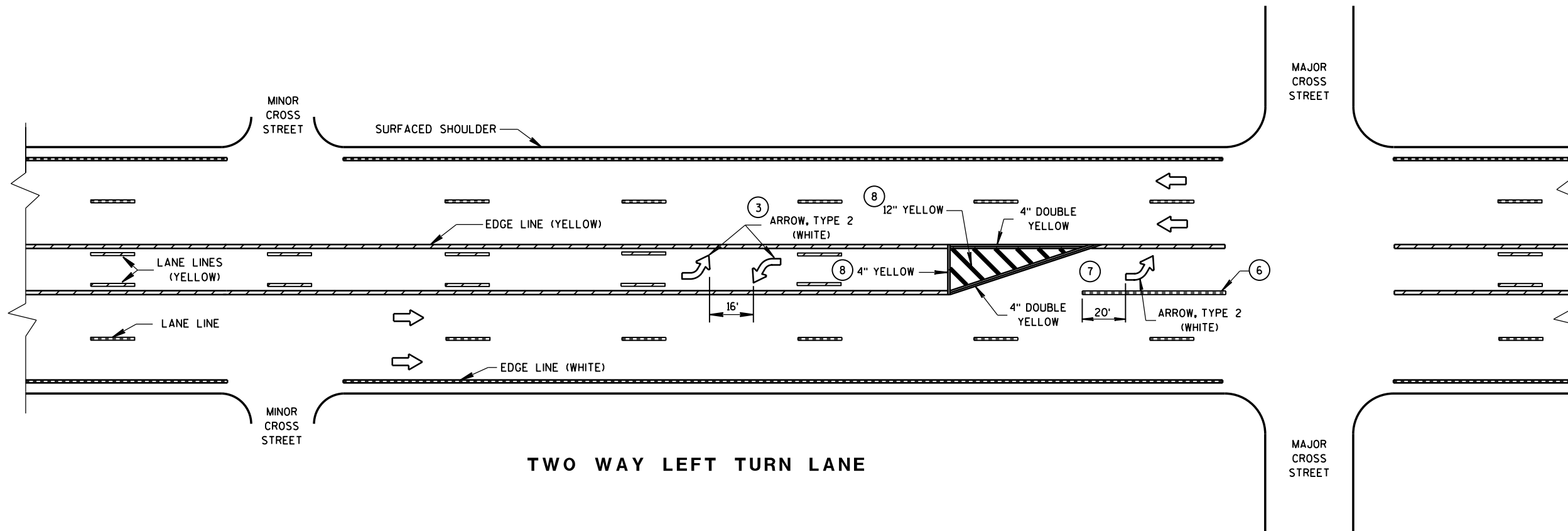




## GENERAL NOTES

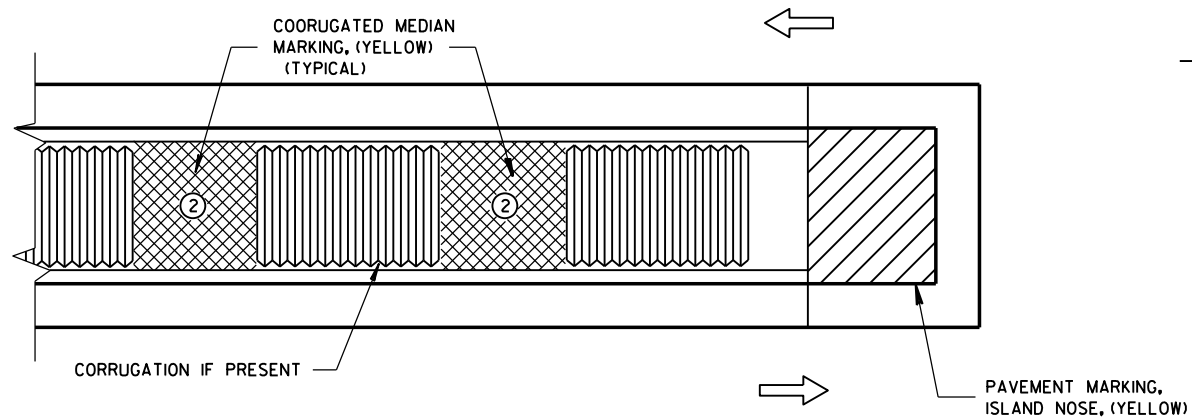
- ① STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
- ② DISTANCE MAY BE ADJUSTED TO ACCOMMODATE SHORT LEFT TURN LANES, AS APPROVED BY THE ENGINEER.
- ③ A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- ④ ADD EXTRA SETS OF ONE ARROW AND ONE ONLY PER 160 FEET OR WHEN ON A CURVE.
- ⑤ 8" WHITE WITH 2' LINE 6' GAPS FOR DUAL TURN LANE.
- ⑥ 8" WHITE
- ⑦ ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108 FEET.
- ⑧ REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:  
ARROW SYMBOL (➡)  
SHOWS DIRECTION OF TRAVEL

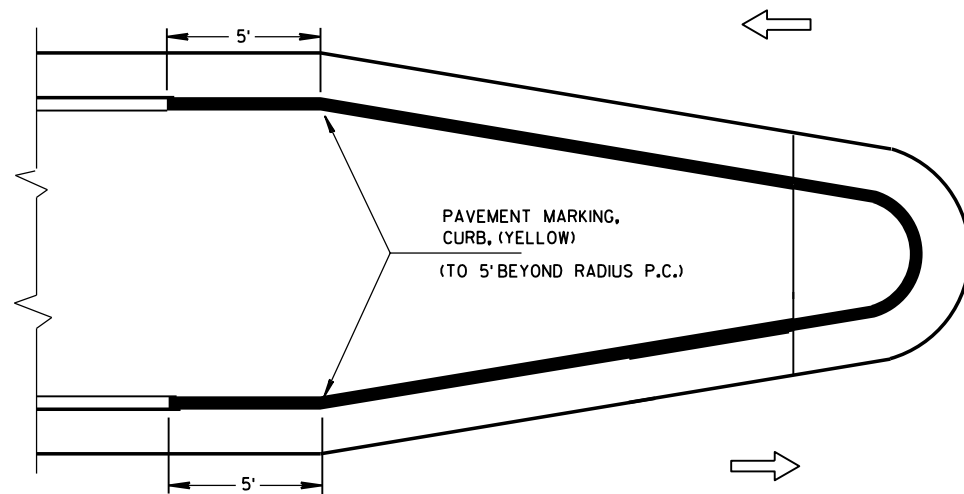


PAVEMENT MARKING  
(LEFT TURN LANE)

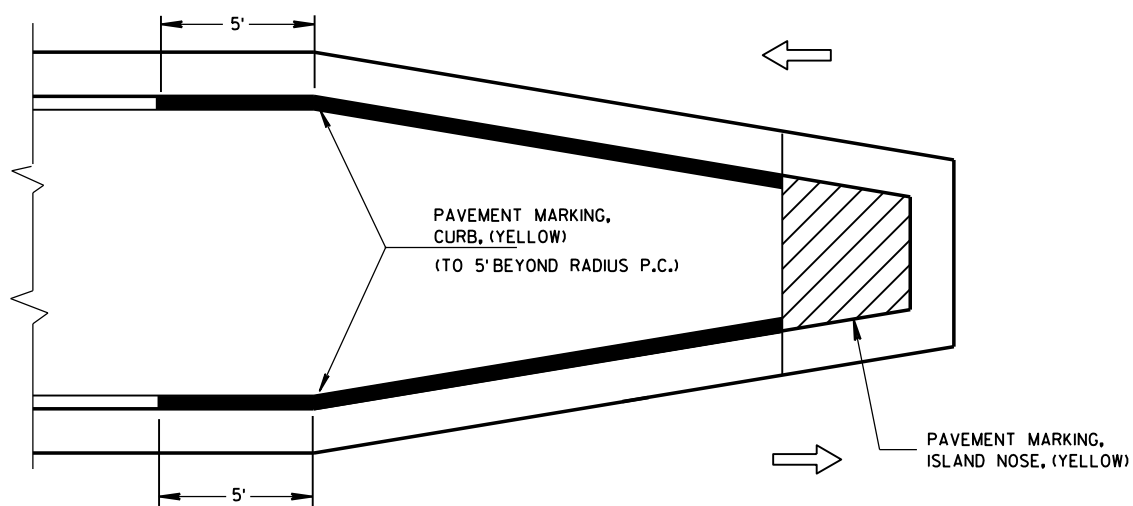
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



**MEDIAN ISLAND WITH SQUARE BLUNT NOSE**

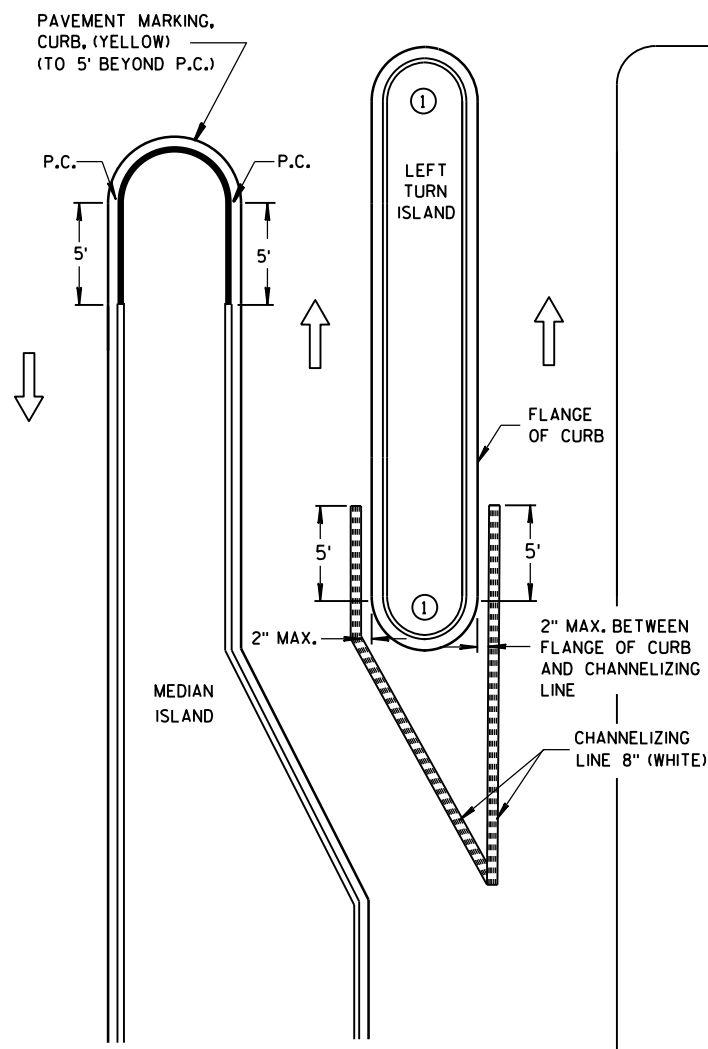


**MEDIAN ISLAND WITH ROUND BLUNT NOSE**



**MEDIAN ISLAND WITH SLOPED NOSE**

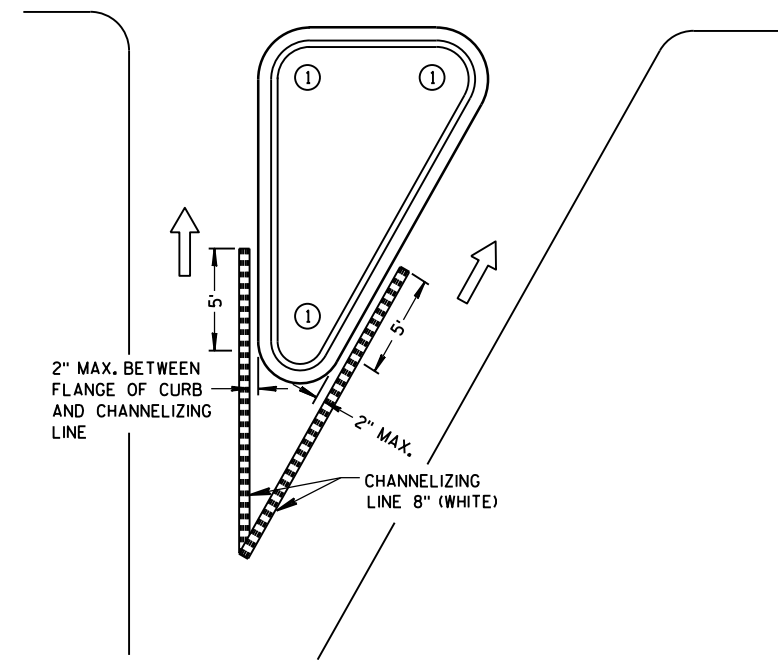
**TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS**



**LEFT TURN & MEDIAN ISLAND**

## GENERAL NOTES

- DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
- WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



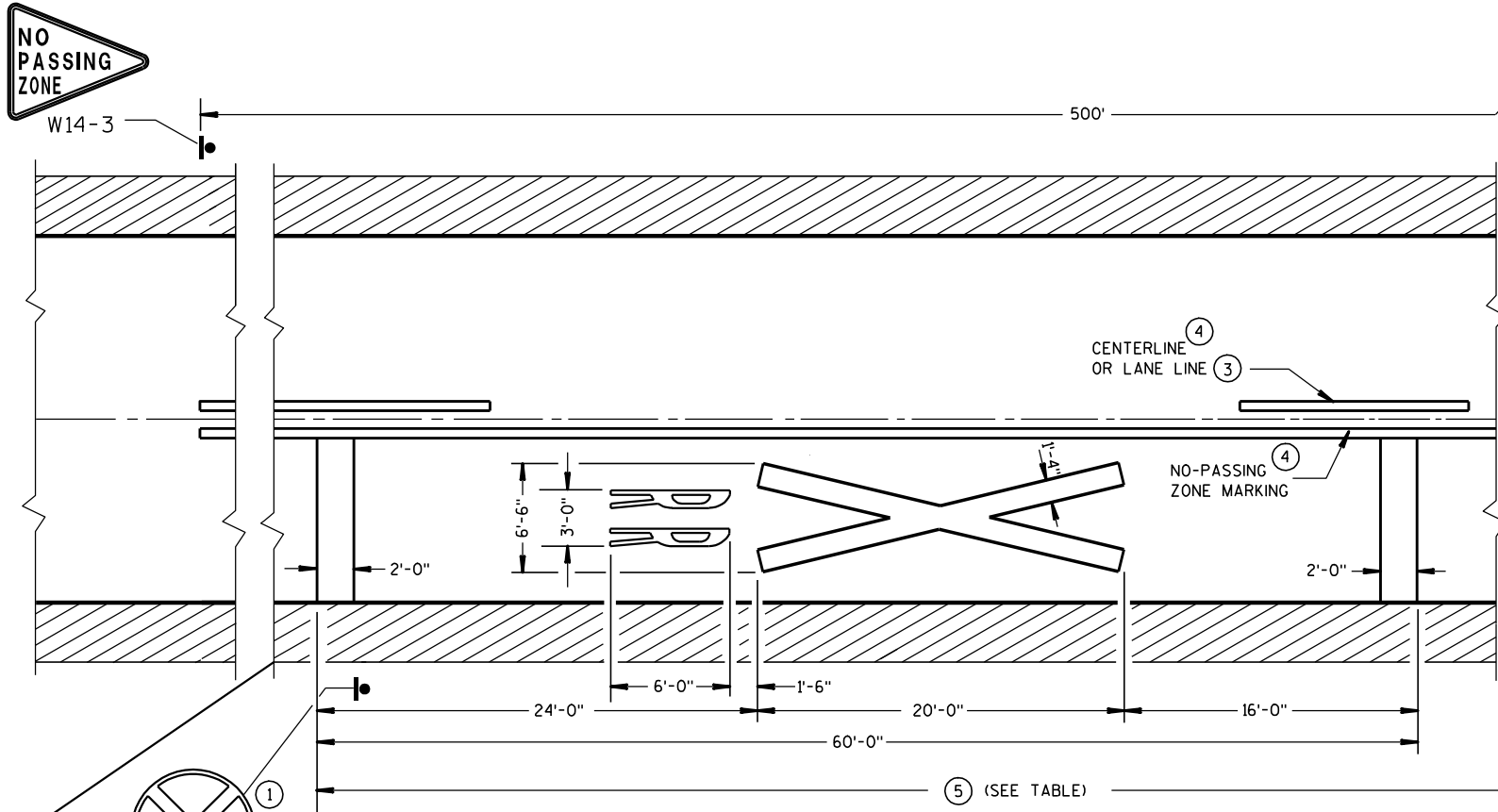
**RIGHT TURN ISLAND**

## LEGEND

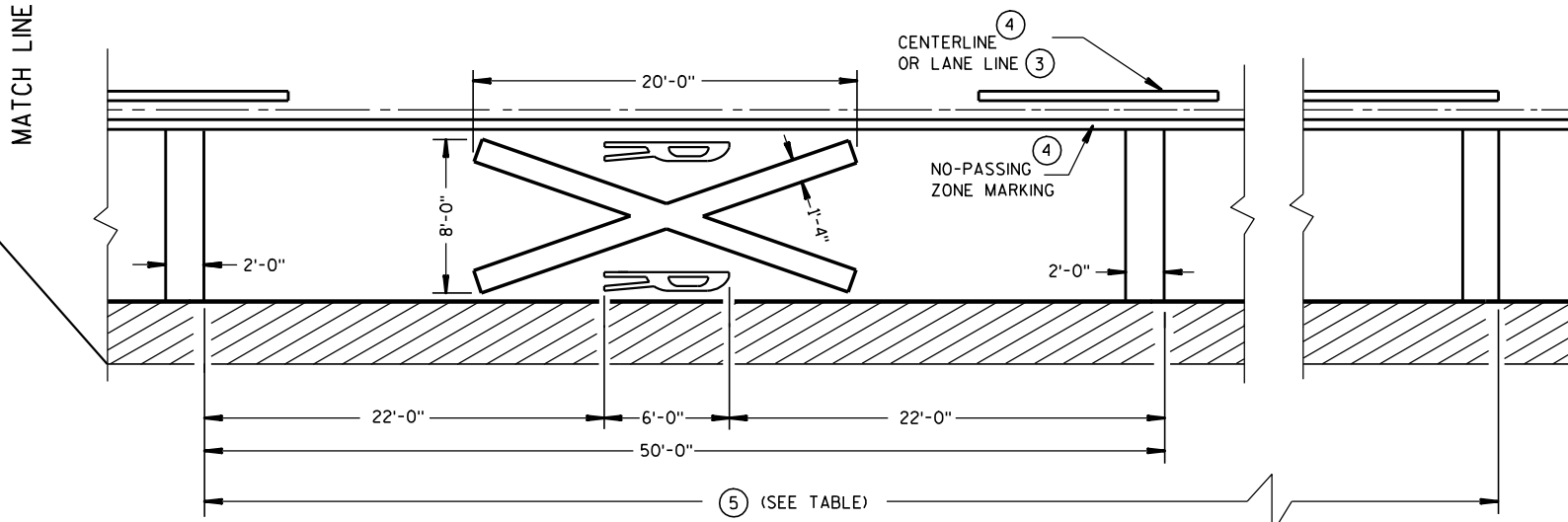
- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

**PAVEMENT MARKING (ISLANDS)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



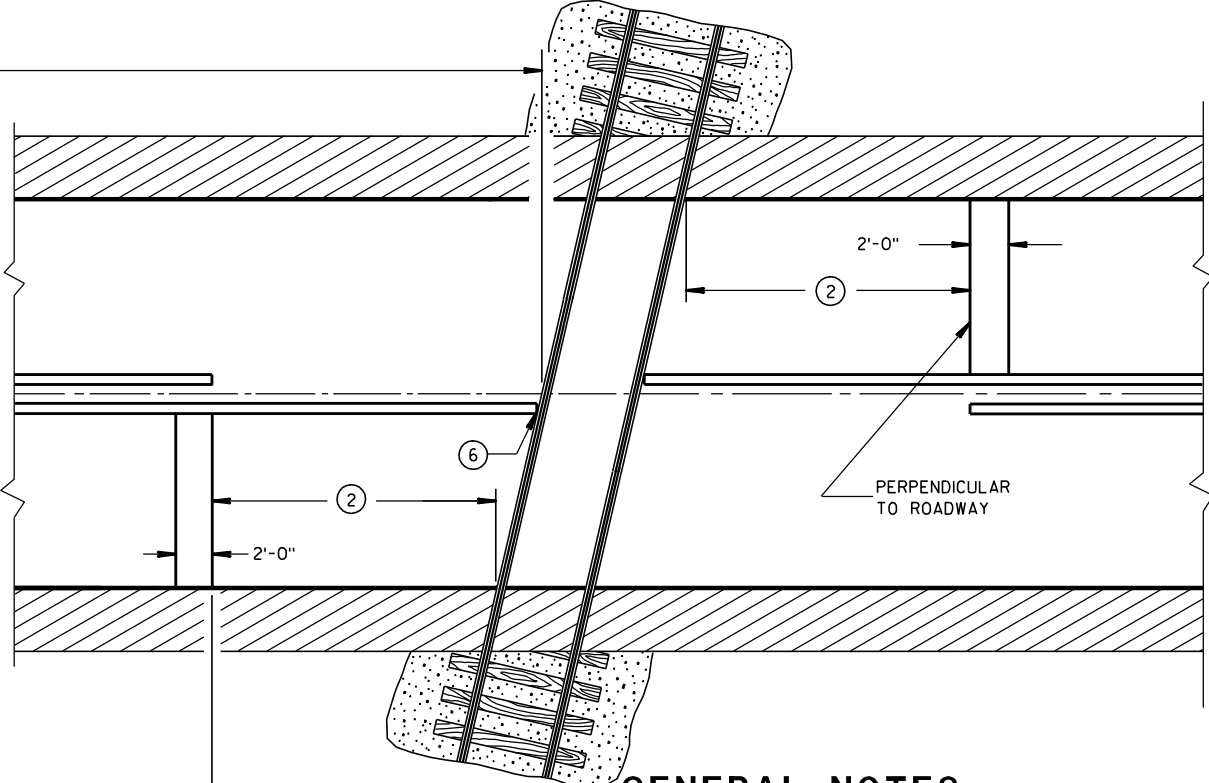
PREFERRED PAVEMENT MARKING



ALTERNATE PAVEMENT MARKING

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

\* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



GENERAL NOTES

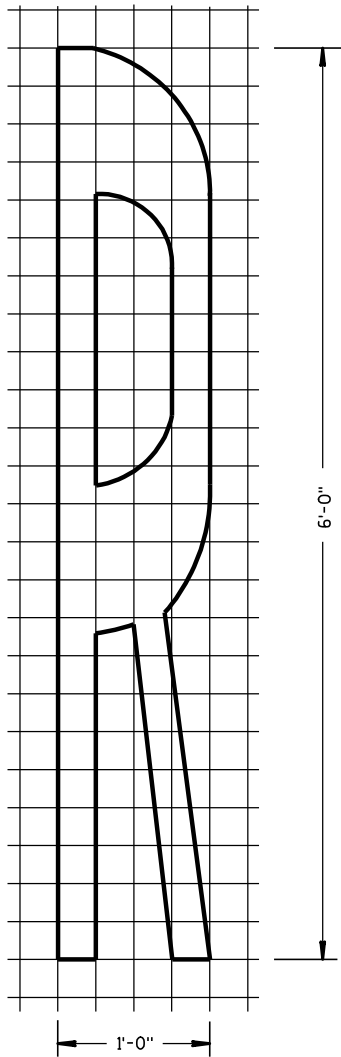
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

A THREE-LANE ROADWAY SHOULD BE MARKED WITH A CENTERLINE FOR TWO-LANE APPROACH OPERATION ON THE APPROACH TO A CROSSING.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE. ALL LETTERS AND SYMBOLS SHALL BE IN CONFORMANCE WITH THE "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" (ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION).

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

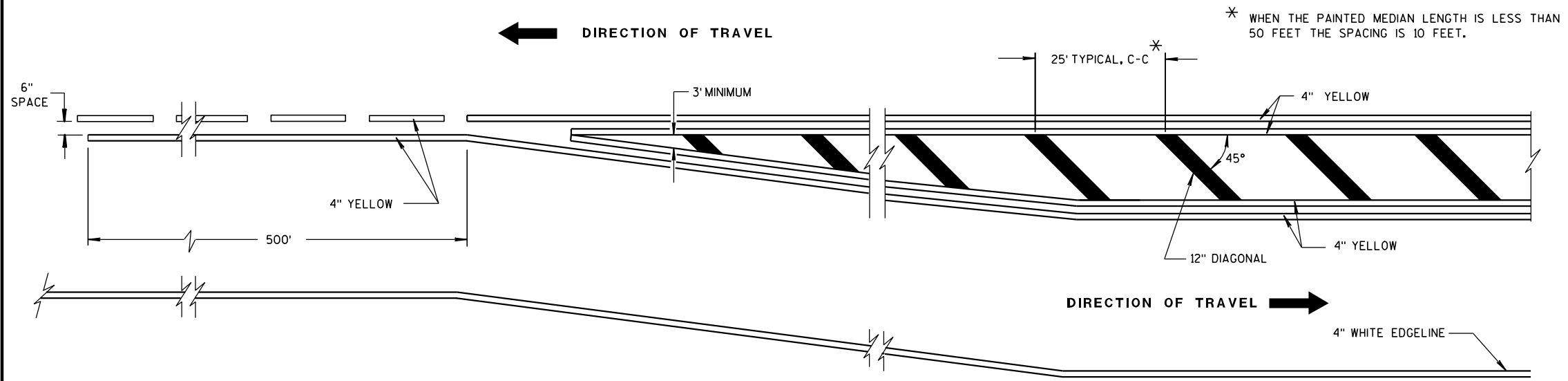
- ① A PORTION OF THE PAVEMENT MARKING SYMBOL SHOULD BE DIRECTLY OPPOSITE THE ADVANCE WARNING SIGN (W10-1).
- ② MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.
- ③ REFLECTIVE WHITE.
- ④ REFLECTIVE YELLOW 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.
- ⑤ TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ⑥ FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.



SIGNING AND PAVEMENT MARKING  
DETAILS FOR RAILROAD-HIGHWAY  
GRADE CROSSINGS

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

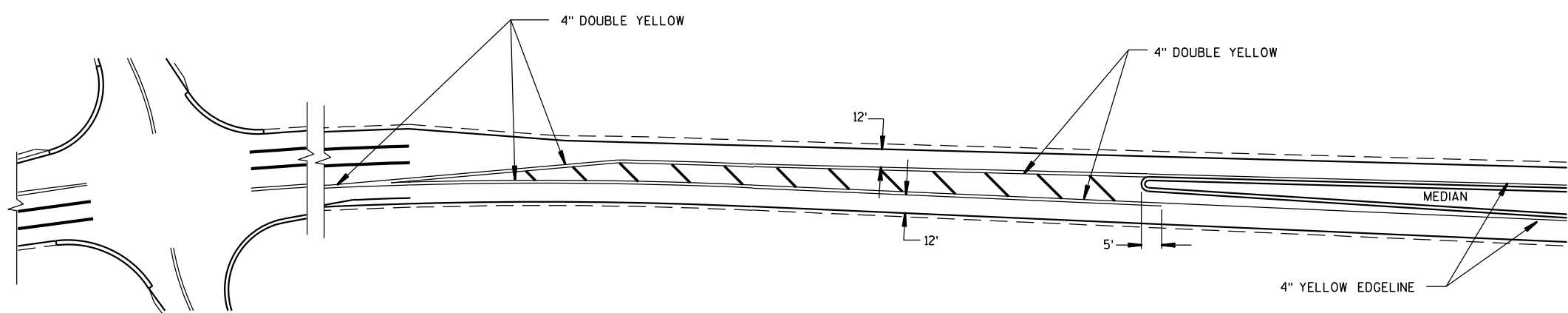
APPROVED  
1-9-2012 /S/ Thomas N. Notbohm  
DATE STATE TRAFFIC ENGINEER OF DESIGN  
FHWA



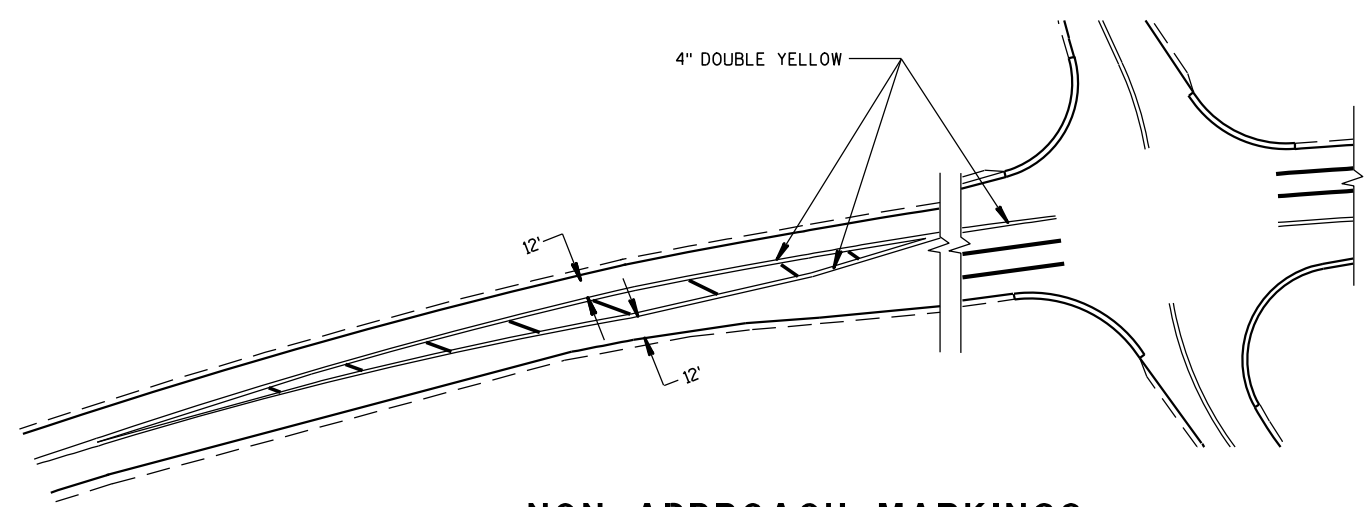
### GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

### MEDIAN ISLAND DETAIL

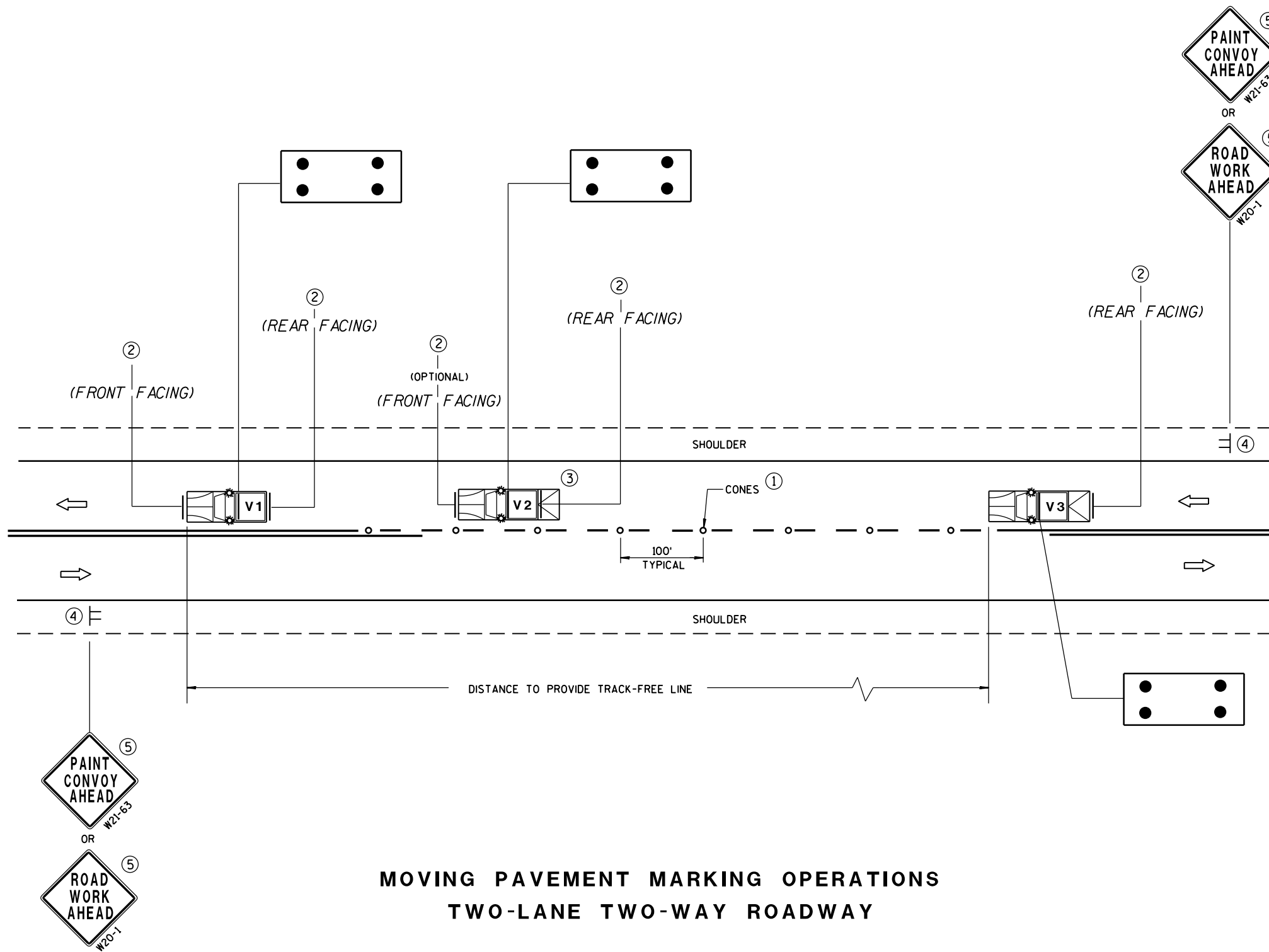


### APPROACH MARKINGS FOR OTHER MEDIAN TYPES



### NON APPROACH MARKINGS

MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 2-5-09 DATE	/S/ Thomas N. Notbohm STATE TRAFFIC ENGINEER OF DESIGN
FHWA	



## MOVING PAVEMENT MARKING OPERATIONS TWO-LANE TWO-WAY ROADWAY

### GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.



OR



③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.

④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

### LEGEND

**V1** LEAD VEHICLE

**V2** SHADOW VEHICLE

**V3** TRAIL VEHICLE WITH TMA

**TMA** TRUCK-MOUNTED ATTENUATOR

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

CONES

FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING  
OPERATION  
TWO-LANE TWO-WAY ROADWAY

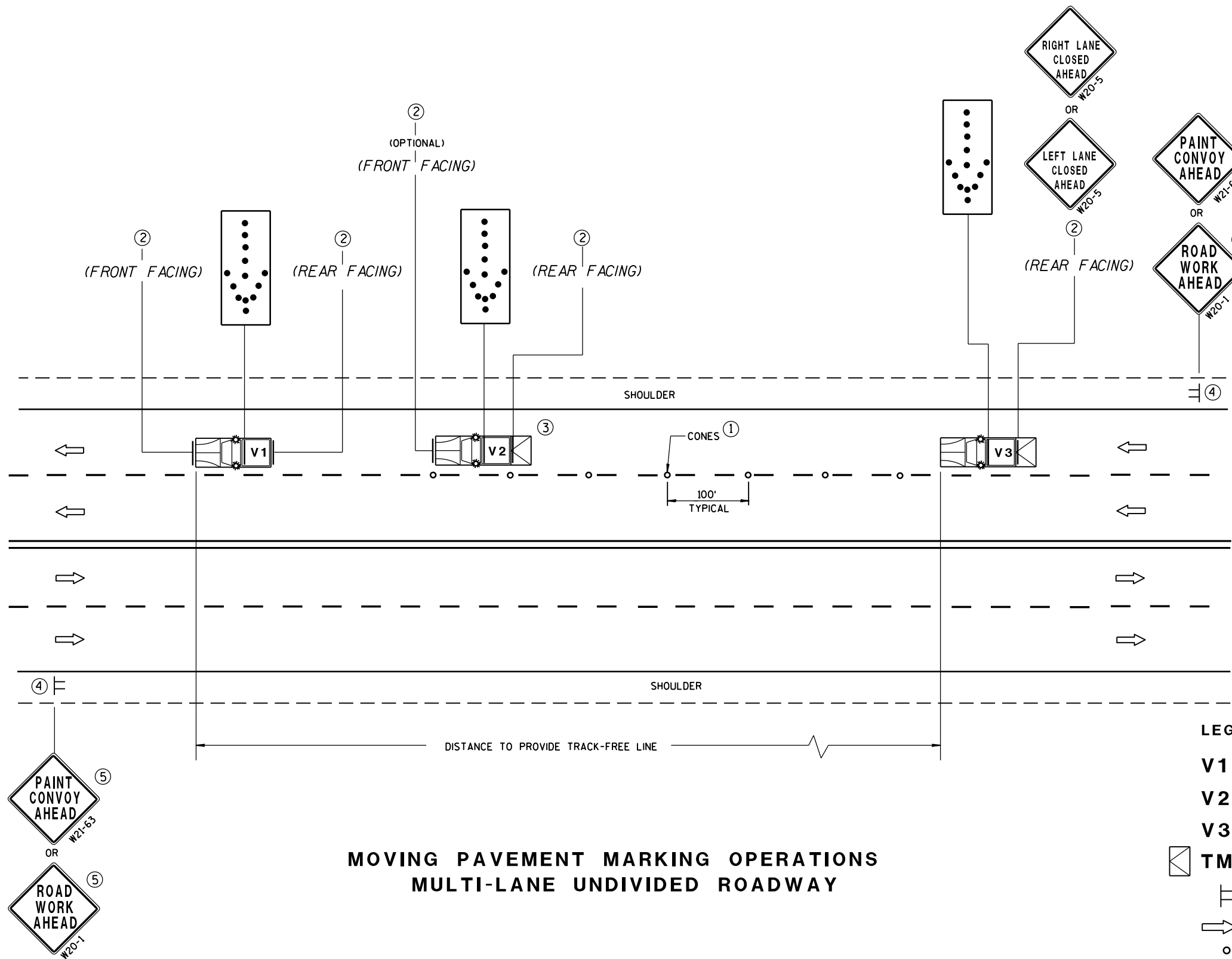
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED

5/3/2013  
DATE

/S/ Travis Feltes  
STATE TRAFFIC ENGINEER

FHWA

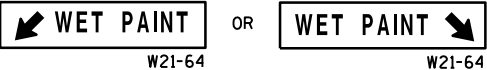


MOVING PAVEMENT MARKING OPERATIONS  
MULTI-LANE UNDIVIDED ROADWAY

GENERAL NOTES

- ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.
- ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.
- IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.
- ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.
- DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.
- WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.
- USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.
- FOR EDGE LINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH.
- WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.
- THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGE LINE OR LANELINE MARKING FOR MULTILANE UNDIVIDED ROADWAYS.

- ① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- ② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.
- ③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.
- ④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
- ⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.



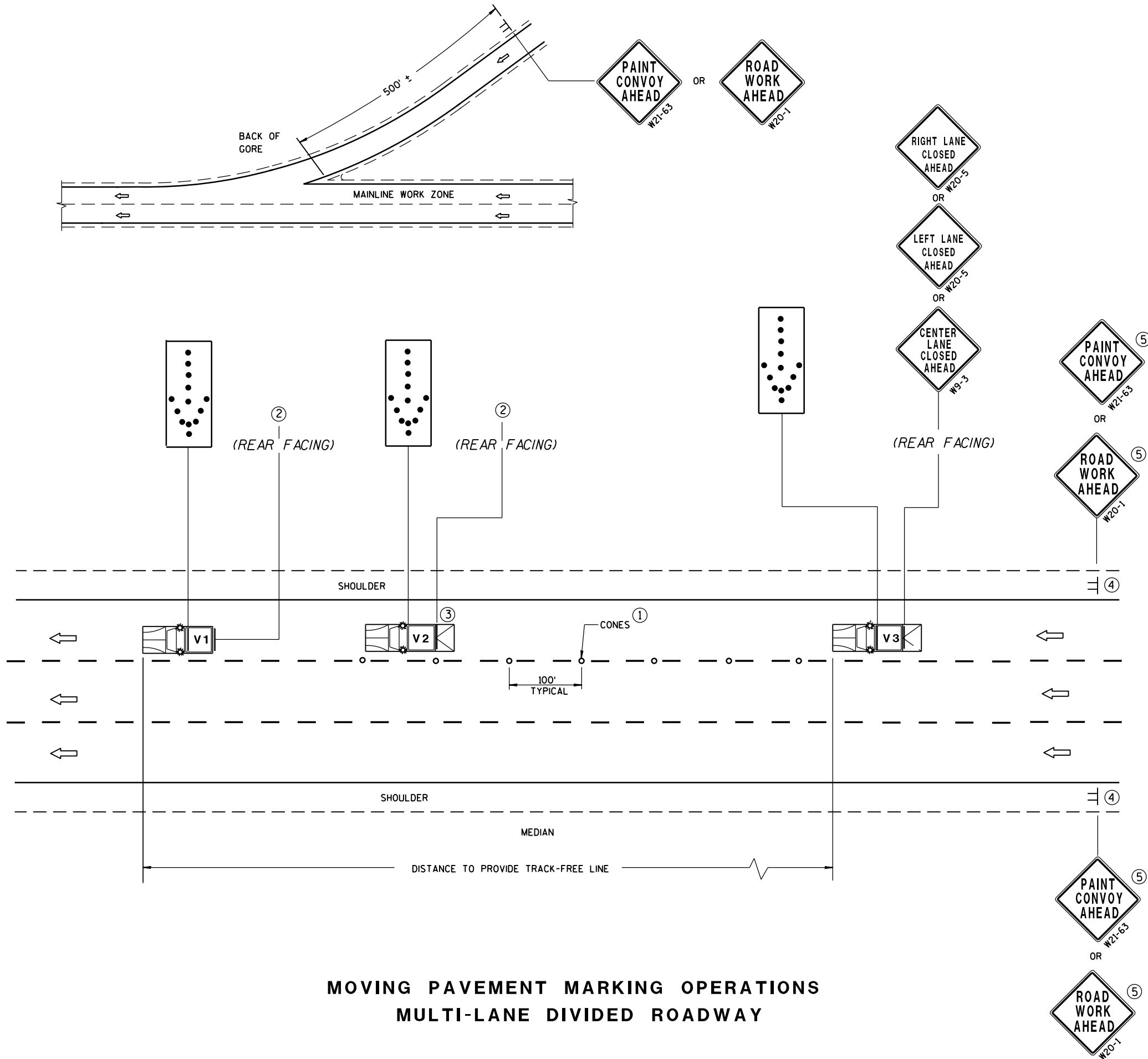
LEGEND

- V1 LEAD VEHICLE
- V2 SHADOW VEHICLE
- V3 TRAIL VEHICLE WITH TMA
- TMA TRUCK-MOUNTED ATTENUATOR
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- CONES
- ... FLASHING ARROW PANEL (MERGE)

MOVING PAVEMENT MARKING  
OPERATION  
MULTI-LANE UNDIVIDED ROADWAY

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
5/3/2013 /S/ Travis Feltes  
DATE STATE TRAFFIC ENGINEER  
FHWA



MOVING PAVEMENT MARKING OPERATIONS  
MULTI-LANE DIVIDED ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

FOR EDGE LINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH. USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

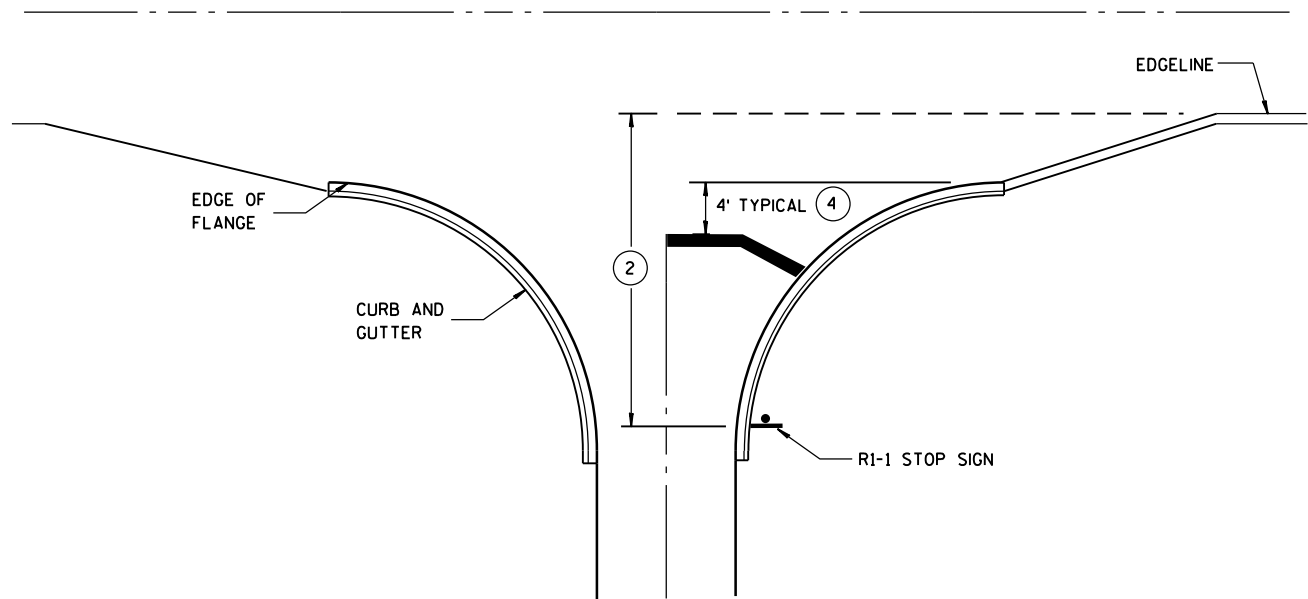
THIS DRAWING SHALL BE USED FOR EDGE LINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

- ① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- ② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.
- ③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.
- ④ SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.
- ⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

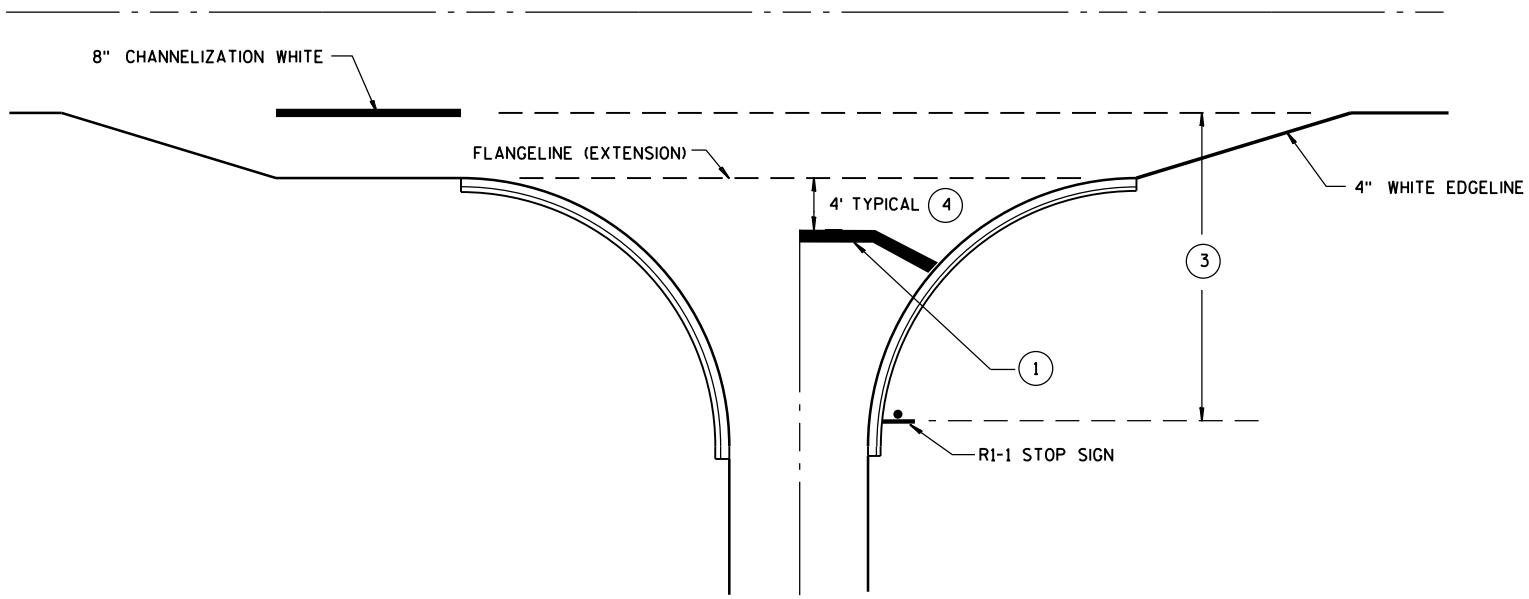
LEGEND

- V1 LEAD VEHICLE
- V2 SHADOW VEHICLE
- V3 TRAIL VEHICLE WITH TMA
- TMA TRUCK-MOUNTED ATTENUATOR
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- CONES
- FLASHING ARROW PANEL (MERGE)

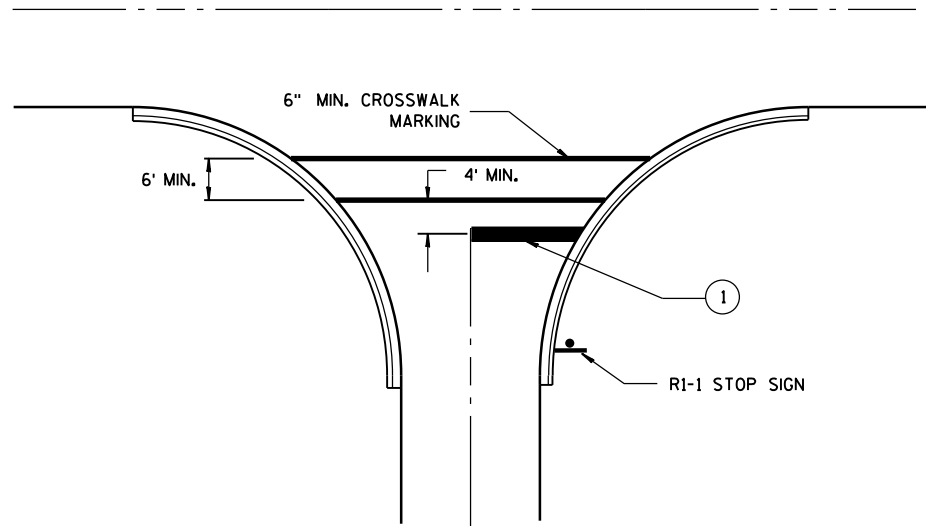
MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 5/3/2013 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER
FHWA	



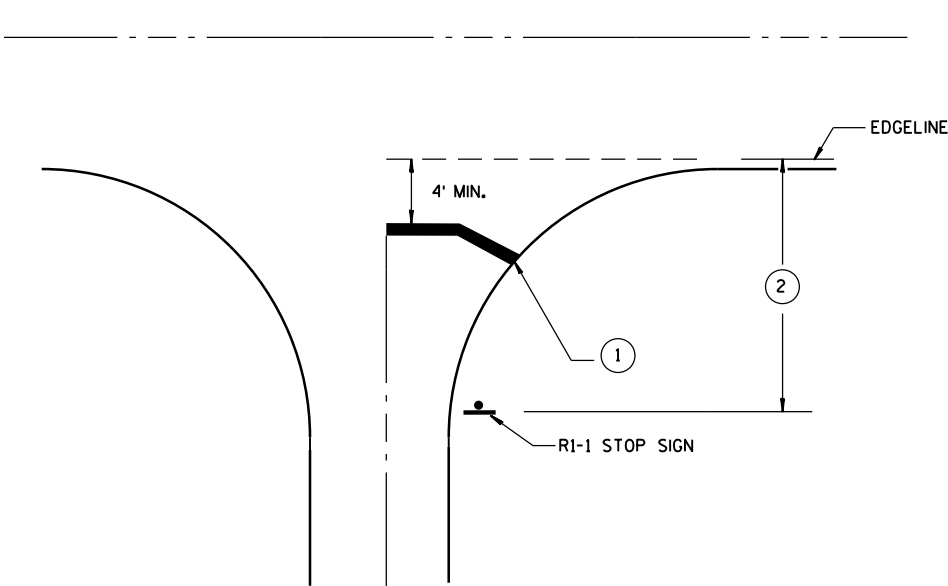
TYPICAL STOP LINE PAVEMENT MARKING  
WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING  
FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING  
FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING  
WITHOUT CURB AND GUTTER

GENERAL NOTES

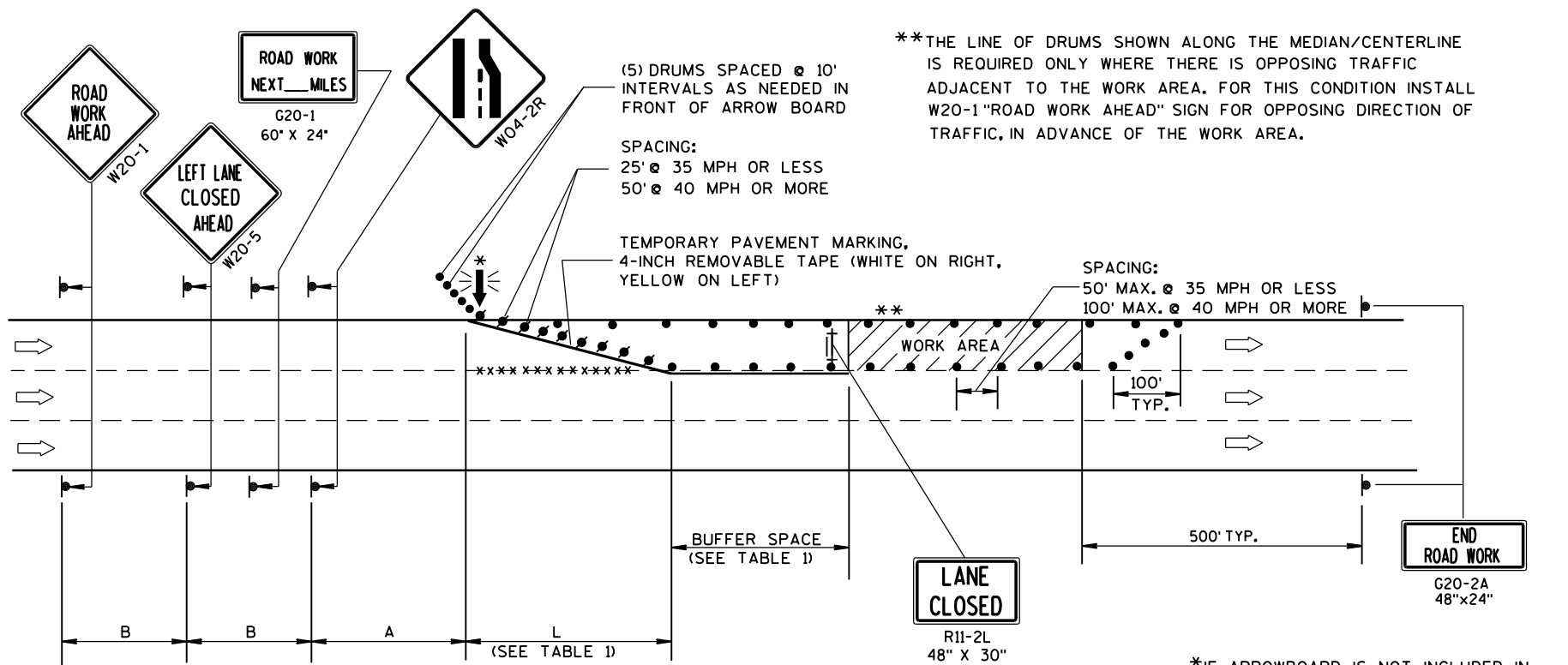
- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- 3 IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- 4 MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK  
PAVEMENT MARKING

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
4/30/2013 DATE /S/ Travis Feltz  
STATE TRAFFIC ENGINEER  
FHWA





B=400' AT 25-30 MPH  
700' AT 35-40 MPH  
1000' AT 45-55 MPH

A=200' AT 25-30 MPH  
350' AT 35-40 MPH  
500' AT 45-55 MPH

TABLE 1  
TAPER AND BUFFER SPACE  
FOR 12' LANE WIDTH

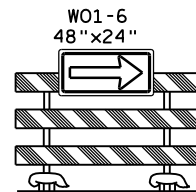
S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER  
L =  $\frac{WS^2}{60}$  AT 40 MPH OR LESS  
L = TAPER LENGTH IN FEET  
S = NON-CONSTRUCTION SPEED LIMIT (MPH)  
W = WIDTH OF LANE CLOSURE

(PLACE BARRICADE AND SIGN APPROX.  
EVERY 1000' ACROSS THE CLOSED LANE)

\*IF ARROWBOARD IS NOT INCLUDED IN  
MISCELLANEOUS QUANTITIES, SUBSTITUTE  
A TYPE III BARRICADE WITH W01-6 SIGN  
IN THE LANE CLOSURE TAPER.



### LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

### GENERAL NOTES

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

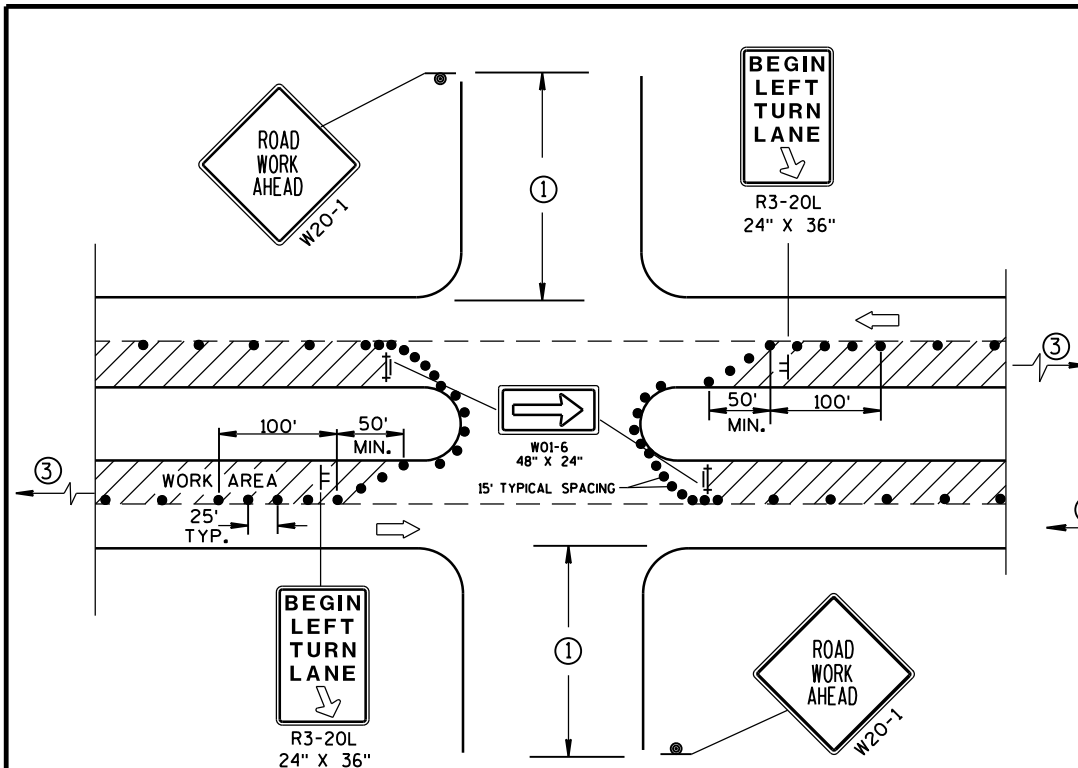
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

TRAFFIC CONTROL,  
SINGLE LANE CLOSURE,  
NON-FREEWAY/EXPRESSWAY

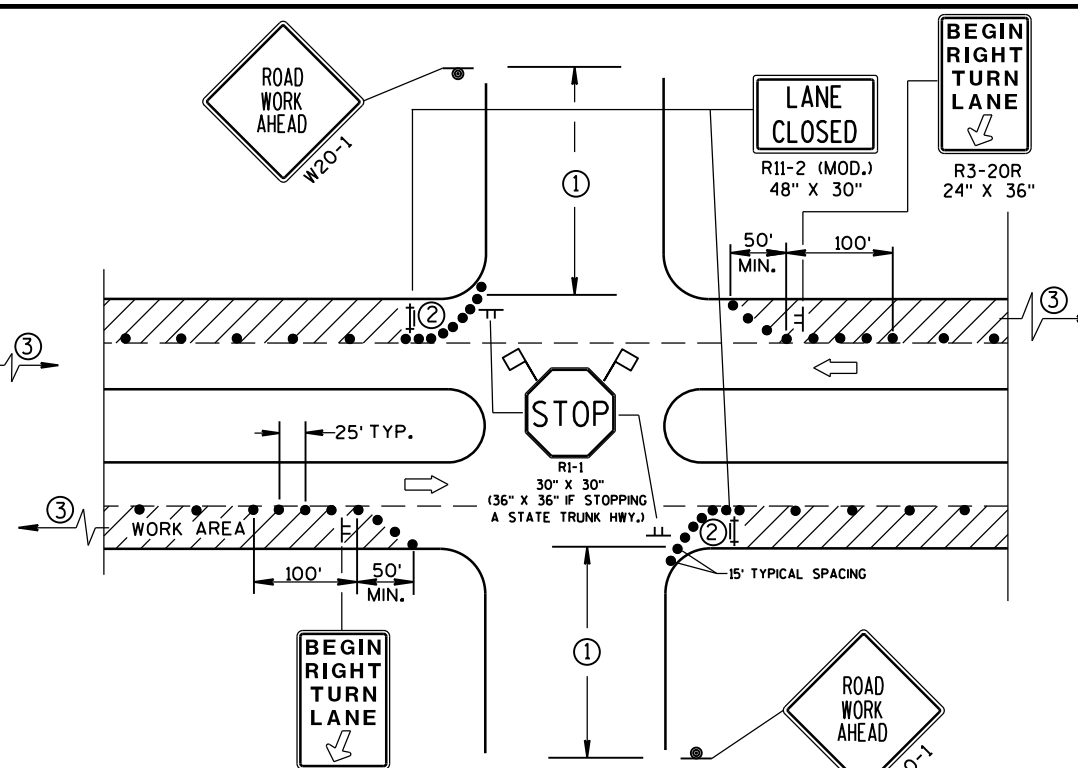
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
8/2013 /S/ Travis Feltes  
DATE STATE TRAFFIC ENGINEER OF DESIGN  
FHWA



DETAIL A  
FOR LEFT LANE CLOSURE AT  
INTERSECTION OR MEDIAN OPENING

PROVIDE TURN LANES AT  
INTERSECTIONS WHENEVER  
STAGING OF WORK ALLOWS.  
TAPER AND TURN LANE  
LENGTHS BASED ON FIELD  
CONDITIONS AS APPROVED  
BY THE ENGINEER.



DETAIL B  
FOR RIGHT LANE CLOSURE  
AT INTERSECTION

### GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

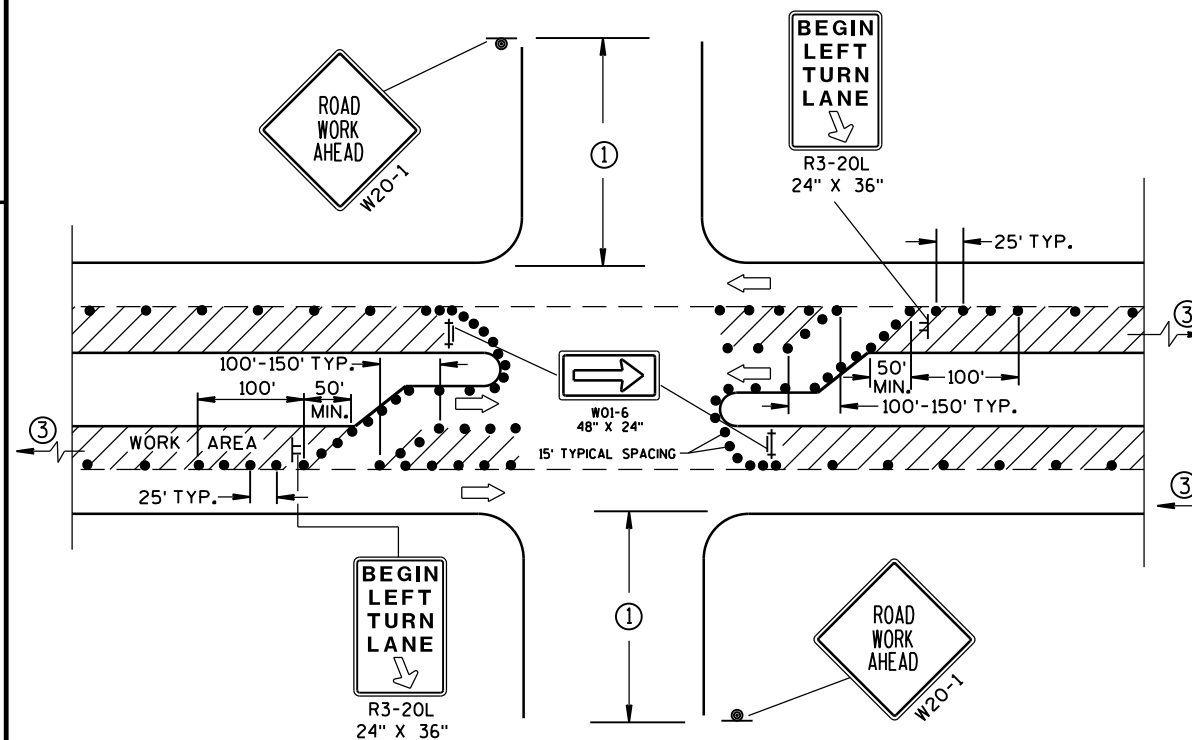
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

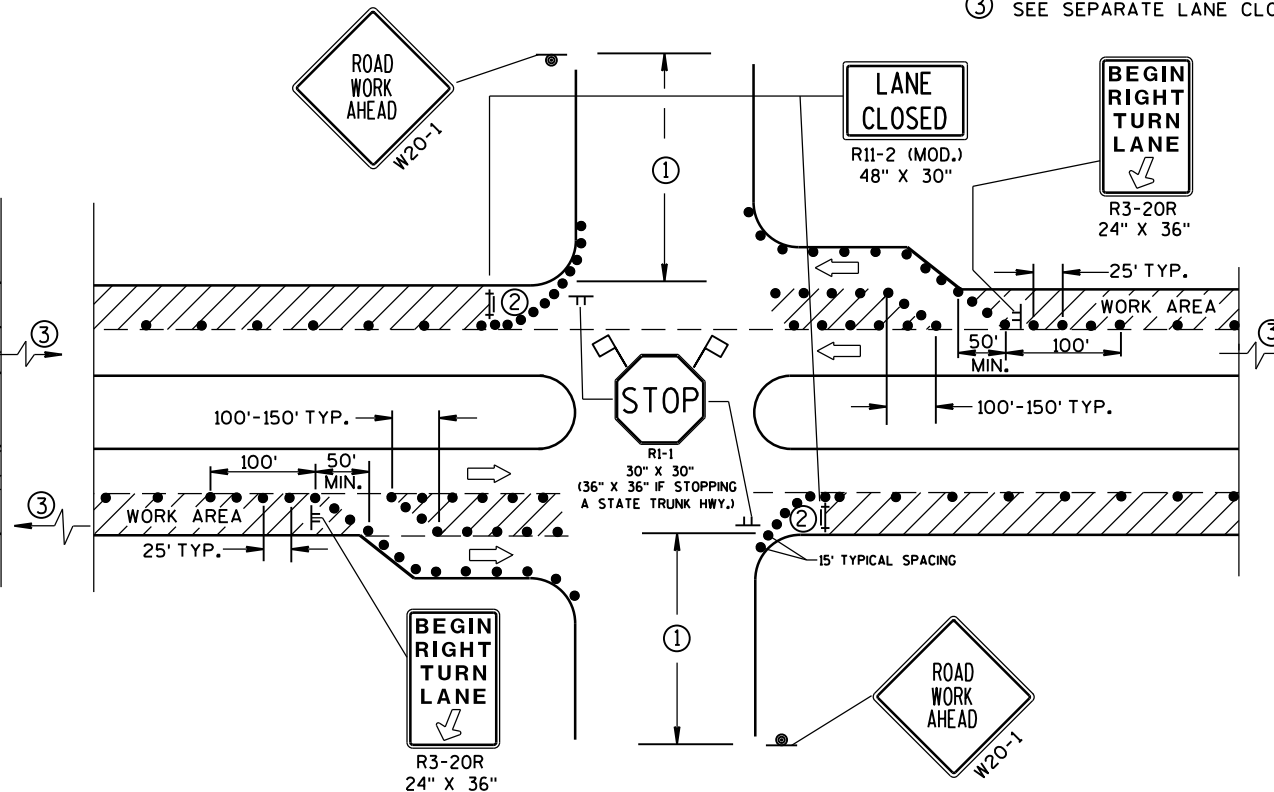
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

- ① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.  
350' IF 35-40 MPH.  
200' IF 25-30 MPH.
- ② ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.
- ③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.



DETAIL C  
FOR LEFT LANE CLOSURE AT INTERSECTION OR  
MEDIAN OPENING (WITH LEFT TURN BAY OPEN)



DETAIL D  
FOR RIGHT LANE CLOSURE AT INTERSECTION  
(WITH RIGHT TURN BAY OPEN)

### LEGEND

- TRAFFIC CONTROL DRUM
- ⊙ SIGN ON PERMANENT SUPPORT
- ⊢ SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- ⊢ TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- ➡ DIRECTION OF TRAFFIC
- 🚩 FLAGS, 16" X 16" MIN., (ORANGE)
- ▨ WORK AREA

### TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
Nov. 2014 /S/ Travis Feltes  
DATE STATE TRAFFIC ENGINEER OF DESIGN  
FHWA

## Notes



## ***Wisconsin Department of Transportation***

Dedicated people creating transportation solutions  
through innovation and exceptional service.

<http://www.dot.wisconsin.gov>