

LAX MARCH 2016

PROJECT ID: 1009-11-98

WITH:

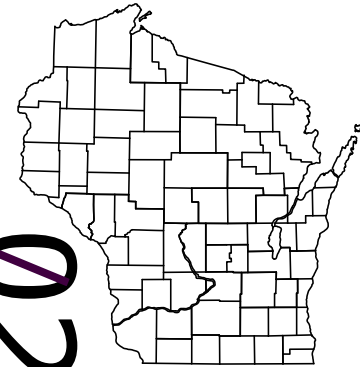
COUNTY: VARIOUS COUNTIES

SOUTHWEST REGION

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. 4	Right of Way Plat
Section No. 5	Plan and Profile
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plates
Section No. 8	Structure Plans
Section No. 9	Computer Earthwork Data
Section No. 9	Cross Sections

TOTAL SHEETS = 28



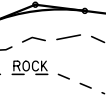
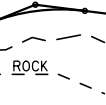
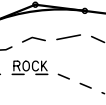
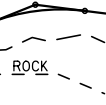
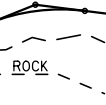
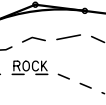
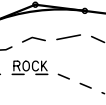
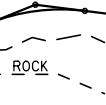
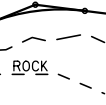
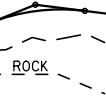
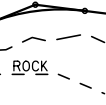
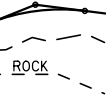
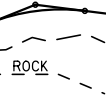
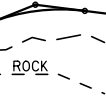
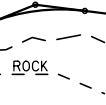
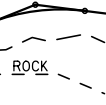
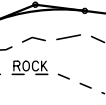
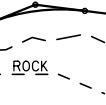
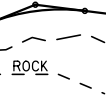
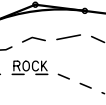
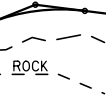
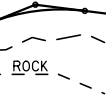
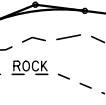
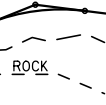
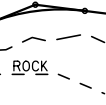
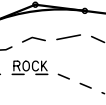
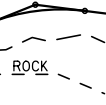
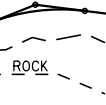
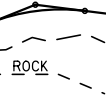
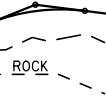
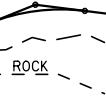
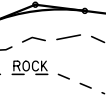
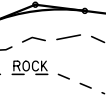
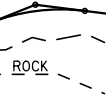
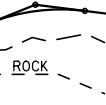
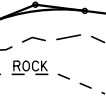
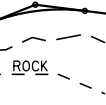
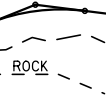
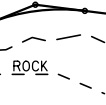
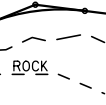
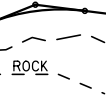
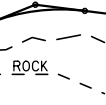
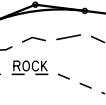
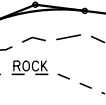
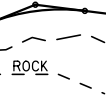
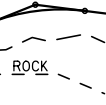
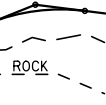
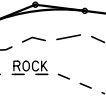
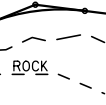
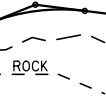
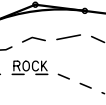
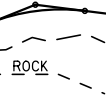
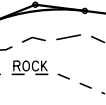
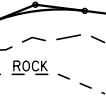
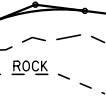
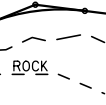
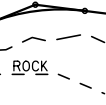
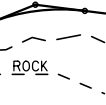
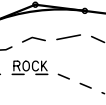
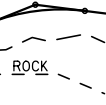
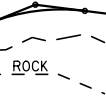
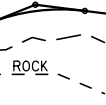
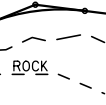
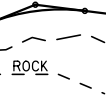
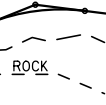
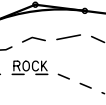
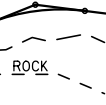
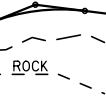
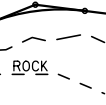
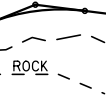
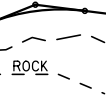
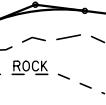
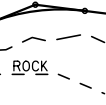
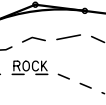
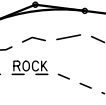
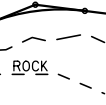
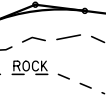
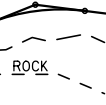
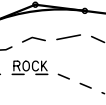
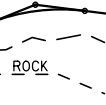
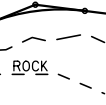
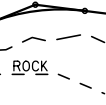
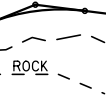
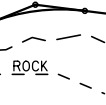
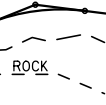
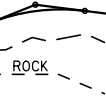
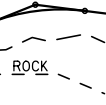
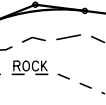
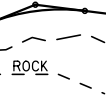
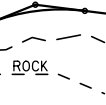
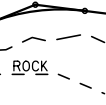
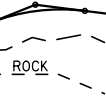
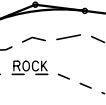
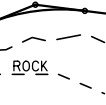
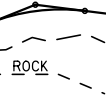
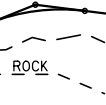
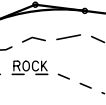
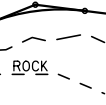
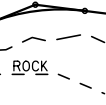
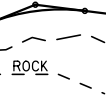
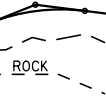
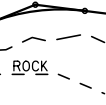
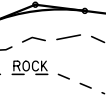
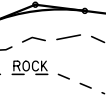
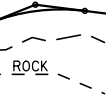
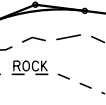
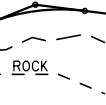
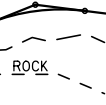
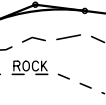
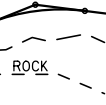
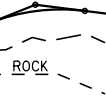
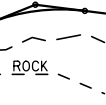
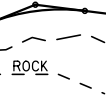
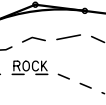
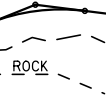
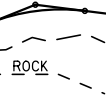
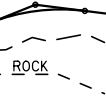
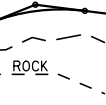
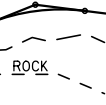
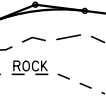
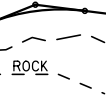
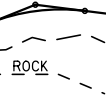
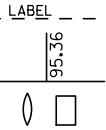
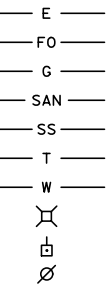
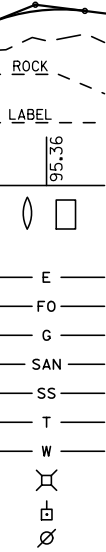
DESIGN DESIGNATION

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

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	



DATE 05JAN16		E S T I M A T E O F Q U A N T I T I E S				
LINE						1009-11-98
NUMBER	ITEM	ITEM DESCRIPTION		UNIT	TOTAL	QUANTITY
0010	619. 1000	Mobilization		EACH	1. 000	1. 000
0020	643. 0100	Traffic Control (project) 01.	1009-11-98	EACH	1. 000	1. 000
0030	646. 0106	Pavement Marking Epoxy 4-Inch		LF	777,855. 500	777,855. 500
0040	646. 0126	Pavement Marking Epoxy 8-Inch		LF	66,742. 000	66,742. 000
0050	647. 0166	Pavement Marking Arrows Epoxy Type 2		EACH	218. 000	218. 000
0060	647. 0196	Pavement Marking Arrows Epoxy Type 5		EACH	2. 000	2. 000
0070	647. 0356	Pavement Marking Words Epoxy		EACH	104. 000	104. 000
0080	647. 0566	Pavement Marking Stop Line Epoxy 18-Inch		LF	1,894. 500	1,894. 500
0090	647. 0726	Pavement Marking Diagonal Epoxy 12-Inch		LF	2,424. 000	2,424. 000
0100	647. 0776	Pavement Marking Crosswalk Epoxy 12-Inch		LF	1,601. 000	1,601. 000
0110	647. 0803	Pavement Marking Aerial Enforcement Bars Epoxy 24-Inch		LF	120. 000	120. 000

PAVEMENT MARKING EPOXY (INTERSTATE LOCATIONS)

Monroe & La Crosse Counties

PAVEMENT MARKING EPOXY (INTERSTATE LOCATIONS)			646.0106				646.0126			646.0166	647.0356	647.0566
Monroe & La Crosse Counties			4-INCH EDGE LINE WHITE L.F.	4-INCH EDGE LINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	4-INCH MINI DASHES L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (RAMP) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.	647.0166 ARROWS TYPE 2 WHITE EACH	647.0356 WORDS "ONLY" WHITE EACH	647.0566 18-INCH STOP LINE WHITE L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)										
IH 90 EB	Monroe County	0.57 Miles East of STH 16 (Sparta)										
	La Crosse County Line		39099	44481	11120							41
	Exit 25 Off Ramp To STH 27 (Sparta)		1587	1046		42	370	370	100			
	Exit 25 On Ramp From STH 27 (Sparta)		2595	1197			746	746				
	Exit 28 Off Ramp To STH 16 (Sparta)		1948	1456		44	350	350	112			59
	Exit 28 On Ramp From STH 16 (Sparta)		2404	1133			862	862				
IH 90 WB	0.57 Miles East of STH 16 (Sparta)	La Crosse County Line	38352	44526	11132							
	Exit 28 Off Ramp To STH 16 (Sparta)		1896	1301		41	376	376	124			61.5
	Exit 28 On Ramp From STH 16 (Sparta)		2517	1211			854	854				
	Exit 25 Off Ramp To STH 27 (Sparta)		1538	1010		41	348	348	84			42.5
	Exit 25 On Ramp From STH 27 (Sparta)		2501	1105			846	846				
	Mile 22 Rest Area Off Ramp		2959	1684		147	375	375	380			
	Mile 22 Rest Area On Ramp		2213	791			821	821	226			
IH 90 EB	La Crosse County											
	Exit 4 Off Ramp to USH 53 and STH 157		1821	928	225		185	659		6	2	53
Exit 4 On Ramp From STH 157 East	3092		998			824	987					
Exit 4 On Ramp From STH 157 West	2536		1548			470	812					
IH 90 WB	Exit 4 Off Ramp to USH 53 and STH 157		1453	1051	250		412	729	39	6	2	43
	Exit 4 On Ramp From STH 157 West	3075	998			767	915					
	Exit 4 On Ramp From STH 157 East	3419	1561			646	999					
Sub Totals			115005	108025	22727	315	9252	11049	1065	12	4	300

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			646.0106			646.0126		647.0566	
Grant County			4-INCH EDGE LINE WHITE L.F.	4-INCH EDGE LINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (RAMP) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.	18-INCH STOP LINE WHITE L.F.
LOCATION (From)	LOCATION (To)								
East end of the Mississippi River Bridge (Dubuque)	0.25 Miles South of USH 151 & CTH HH (Dickeyville)	34125	38418	9982					
Exit 1 Off Ramp To STH 11 & 35		2175	725		241	241		29	
Exit 1 On Ramp From STH 11 & 35		2672	1094		643	643	602		
Exit 2 Off Ramp To Badger Rd & Eagle Point Rd		1433	752		404	404	100	46	
Exit 3 On Ramp From Eagle Point Rd					177	177			
Frontage Lane Left Turn Lane					114				
Kaiser Lane Right Turn Lane					133				
Old Highway Rd (South Junction) Left Turn Lane					124				
Jimtown Rd Right Turn Lane					120				
Exit 5 Off Ramp To CTH HHH (Kieler)		1714	840		239	239		23.5	
Exit 5 On Ramp From CTH H (Kieler)		2431	997		681	681			
West Ave Left Turn Lane					143				
Old Highway Rd (North Junction) Right Turn Lane					134				
0.25 Miles South of USH 151 & CTH HH (Dickeyville)		East end of the Mississippi River Bridge (Dubuque)	30360	39109	9930				
Old Highway Rd (North Junction) Left Turn Lane					129				
West Ave Right Turn Lane					133				
Exit 5 Off Ramp To CTH H (Kieler)	1863		857		352	352		29.5	
Exit 5 On Ramp From CTH HHH (Kieler)	2344		884		628	628			
Jimtown Rd Left Turn Lane					141				
Old Highway Rd (South Junction) Right Turn Lane					123				
Kaiser Lane Left Turn Lane					106				
Frontage Lane Left Turn Lane					50				
Frontage Lane Right Turn Lane					126				
Exit 3 Off Ramp to Eagle Point Rd	2584		1722		219	219			
Exit 3 On Ramp From Eagle Point Rd	2584		1722		355	355			
Exit 2 On Ramp From Badger Rd	2380		958		760	760			
Exit 1 Off Ramp To STH 11 & 35 & Rest Area	2043		1148		233	233		26	
STH 11 & Rest Area							100		
Exit 1 On Ramp From STH 11 & 35	2429		1243		507	507			
Rest Area	1580		1806						
Rest Area Cars and Trucks Split Gore							117		
Rest Area Cars and Trucks Merge Gore							50		
Rest Area to STH 11 and On Ramp Gore							77		
Stop Line to STH 11								19.5	
Stop Line to On Ramp								22.5	
Sub Totals		92717	92275	19912	7015	5439	1046	196	

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			646.0106				646.0126			647.0166	647.0196	647.0356	647.0726	647.0803
Vernon County			4-INCH	4-INCH	4-INCH	4-INCH	8-INCH	8-INCH	8-INCH	ARROWS	ARROWS	WORDS	12-INCH	AERIAL
HIGHWAY	LOCATION (From)	LOCATION (To)	EDGE LINE WHITE L.F.	EDGE LINE YELLOW L.F.	CENTER LINE YELLOW L.F.	LANE LINE WHITE L.F.	CHANNELIZING WHITE (MAINLINE) L.F.	CHANNELIZING WHITE (ISLAND GORE) L.F.	CHANNELIZING WHITE (MINI DASHES) L.F.	TYPE 2 WHITE EACH	TYPE 5 WHITE EACH	"ONLY" WHITE EACH	DIAGONAL WHITE L.F.	ENFORCEMENT BARS 24-INCH WHITE L.F.
USH 14 EB	200' West of Locust St (Westby)	0.27 Miles West of CTH BB (Viroqua)	23669	23926	2576	6594	213			2		2		
	Tri State Rd Left Turn Lane						201			2		2		
	Tri State Rd Right Turn Lane							776		2		2	231	
	Sherpe Rd Left Turn Lane						210			2		2		
	Sherpe Rd Right Turn Lane							872		2		2	241	
	Smith Rd Left Turn Lane						199			2		2		
	Smith Rd Right Turn Lane							921		2		2	230	60
	Tom Burns Rd Left Turn Lane						200			2		2		
	Tom Burns Rd Right Turn Lane						147			2		2		
	Driveway Left Turn Lane							848		2		2	239	
	Old Highway 14 Left Turn Lane						198			2		2		
	Three Chimney Rd Right Turn Lane						212			2		2		
	Oak Knoll Rd Right Turn Lane							837		2		2	232	
	CTH Y Left Turn Lane						196			2		2		
	CTH Y Right Turn Lane						253			2		2		
	Field Entrance Left Turn Lane						247			2		2		
	Driveway Left Turn Lane						127		32					
	Springville Rd Left Turn Lane						196			2		2		
	Springville Rd Right Turn Lane									16				
	Two Way Left Turn Lane From Springville Rd to CTH BB													
USH 14 WB	0.27 Miles West of CTH BB (Viroqua)	200' West of Locust St (Westby)	23874	24738	636	5398	225			2		2		
	Springville Rd Left Turn Lane						256			2		2		
	Driveway Left Turn Lane							854		2		2	232	
	CTH Y Left Turn Lane						198			2		2		
	CTH Y Right Turn Lane							822		2		2		
	Oak Knoll Rd Left Turn Lane							861		2		2	241	
	Three Chimney Rd Left Turn Lane						196			2		2		
	Old Highway 14 Right Turn Lane						255			2		2		
	Driveway Left Turn Lane							919		2		2	232	60
	Tom Burns Rd Left Turn Lane						195			2		2		
	Tom Burns Rd Right Turn Lane							859		2		2	241	
	Smith Rd Left Turn Lane						187			2		2		
	Smith Rd Right Turn Lane							846		2		2	217	
	Sherpe Rd Left Turn Lane							199		2		2		
	Tri State Rd Left Turn Lane		210	210						2		2		
	Tri State Rd Right Turn Lane						170			2		2		
	100 Feet West of Tri State Rd										2			
Sub Totals			47753	48874	3212	11992	4281	9614	32	80	2	64	2336	120

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)

Richland County

			646.0106			646.0126	647.0166	647.0356	647.0566	647.0776
			4-INCH	4-INCH	4-INCH	8-INCH	ARROWS	WORDS	18-INCH	12-INCH
			EDGE LINE	EDGE LINE	LANE LINE	CHANNELIZING	TYPE 2	"ONLY"	STOP LINE	CROSSWALK
			WHITE	YELLOW	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE
			L.F.	L.F.	L.F.	(MAINLINE)	EACH	EACH	L.F.	L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)								
USH 14 EB	160 Feet West of Bohman Drive (Richland Center)	0.27 Miles East of STH 58	16771	17837	4348					
	USH 14 at Bohman Drive					244			38	87
	Bohman Drive at USH 14 Left Turn Lane								14.5	125
	Bohman Drive at USH 14 Right Turn Lane								22	50
	Two Way Left Turn Lane From Bohman Drive to Peebles Drive						8			
	Peebles Drive Left Turn Lane					90				
	Two Way Left Turn Lane From Peebles Drive to Starlight Lane						14			
	Starlight Drive Left Turn Lane					100				
	Starlight Drive Right Turn Lane					233				
	Two Way Left Turn Lane From Starlight Lane to CTH O						16			
	USH 14 at CTH O Left Turn Lane					65			47.5	
	USH 14 at CTH O Right Turn Lane					100	1	1		
	CTH O at USH 14								54	
	Commercial Entrance Left Turn Lane					106	1	1		
	Pleasant Valley Rd Left Turn Lane					206	2	2		
	Pleasant Valley Rd Right Turn Lane					218	2	2		
	Jelland Drive Left Turn Lane					106	1	1		
	Commercial Entrance Left Turn Lane					107	1	1		
	STH 58 Left Turn Lane					402	2	2		
USH 14 WB	0.27 Miles East of STH 58	160 Feet West of Bohman Drive (Richland Center)	16771	17837	4348					
	STH 58 Right Turn Lane					361	2	2		
	Commercial Entrance Left Turn Lane					115	1	1		
	Jelland Drive Left Turn Lane					122	1	1		
	Jelland Drive Right Turn Lane					219	1	1		
	Pleasant Valley Rd Left Turn Lane					207	2	2		
	Pleasant Valley Rd Right Turn Lane					211	2	2		
	USH 14 at CTH O Left Turn Lane					211	1	1	34	
	Commercial Entrance at CTH O and USH 14								41.5	
	Starlight Drive Left Turn Lane					106				
	Commercial Entrance Left Turn Lane					100				
	Peebles Drive Right Turn Lane					123				
	USH 14 at Bohman Drive					235			33.5	55
									285	
										317
Sub Totals			33542	35674	8696	3987	58	20		

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			646.0106				646.0126	647.0166	647.0356	647.0566	647.0776		
Sauk County			4-INCH EDGE LINE WHITE L.F.	4-INCH EDGE LINE YELLOW L.F.	4-INCH CENTERLINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	ARROWS TYPE 2 WHITE EACH	WORDS "ONLY" WHITE EACH	18-INCH STOP LINE WHITE L.F.	12-INCH CROSSWALK WHITE L.F.		
HIGHWAY	LOCATION (From)	LOCATION (To)											
STH 23 NB	0.1 Miles East of CTH H (Reedsburg)	0.2 Miles East of STH 136 (East of Reedsburg)	7944	6115	4038	1332		2		36	137		
	Two Way Left Turn Lane From CTH H to Veterans Drive						100						
	Veterans Drive Left Turn Lane												
	STH 23 at Veterans Drive												
	Veterans Drive at STH 23							35				157	
	Left Turn Lane East of Veterans Drive												
	Two Way Left Turn Lane From Veterans Drive to Wengel Drive						60						
	Wengel Drive Left Turn Lane						57	12					1
	Golf Course Rd Left Turn Lane						106						
Left Turn Lane East of Golf Course Rd	117												
STH 136 Right Turn Lane	336												
STH 23 SB	0.2 Miles East of STH 136 (East of Reedsburg)	0.1 Miles East of CTH H (Reedsburg)	8039	6087		1357		1	1	39	138		
	Golf Course Rd Left Turn Lane						107						
	Left Turn Lane West of Golf Course Rd						105						
	Wengel Drive Left Turn Lane						93						
	Veterans Drive Left Turn Lane						87	1					
	STH 23 at Veterans Drive											36	157
	Veterans Drive at STH 23												
	Sub Totals						15983						

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)												
La Crosse County												
HIGHWAY	LOCATION (From)	LOCATION (To)	4-INCH EDGE LINE WHITE L.F.	4-INCH EDGE LINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (RAMP) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.	647.0166 ARROWS TYPE 2 WHITE EACH	647.0356 WORDS "ONLY" WHITE EACH	647.0566 18-INCH STOP LINE WHITE L.F.	647.0726 12-INCH DIAGONAL WHITE L.F.
STH 157 WB	STH 16 (Onalaska)	Main St (Onalaska)	6333	6780	2664							
	PH Left Turn Lane					179			2		52	
	PH Right Turn Lane					76			2			
	PH at STH 157										50	
	CTH SS Dual Left Turn Lane							416	4	2	64	88
	IH-90 EB On Ramp					273	371				37	
	IH-90 WB Off Ramp										37	
	IH-90 WB Off Ramp at STH 157										43.5	
STH 157 EB	Off Ramp To Main St		486			486	486	378			24.5	
	Main St (Onalaska)	STH 16 (Onalaska)	6036	7204	2929							
	On Ramp From Main St					724	724				37	
	IH-90 WB Off Ramp					249	249				33.5	
	IH-90 EB Off Ramp										53	
	IH-90 EB Off Ramp at STH 157											
	CTH SS Right Turn Lane					480			2	2	24	
	CTH SS										63	
	CTH SS at STH 157										9	
	PH Left Turn Lane					386			2		36	
	PH Right Turn Lane					192			2	2	33	
	Commercial Entrance at PH and STH 157										37	
	STH 16 Left Turn Lane					228			2			
	STH 16 Right Turn Lane					386		272	3			
Sub Totals			12369	13984	5593	3659	1830	1066	19	6	633.5	88

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			646.0106			646.0126	647.0166	647.0356	647.0566	647.0776
Crawford			4-INCH EDGE LINE WHITE L.F.	4-INCH EDGE LINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	ARROWS TYPE 2 WHITE EACH	WORDS "ONLY" WHITE EACH	18-INCH STOP LINE WHITE L.F.	12-INCH CROSSWALK WHITE L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)								
USH 18 EB	La Pointe St (Prairie du Chien)	0.21 Miles East of South Town Lane (Bridgeport)	6527	7986	1729					
	Riverside Square Entrance Right Turn Lane					72	1	1		
	Vineyard St Left Turn Lane					121	2	1		
	USH 18 at Vineyard St								40	159
	Vineyard St at USH 18								33	173
	Two Way Left Turn Lane From Vineyard St to Industrial Blvd						18			
	Industrial Blvd Left Turn Lane					149	2	1		
	Two Way Left Turn Lane From Industrial Blvd to South Town Ln						2			
	South Town Lane Left Turn Lane					129	2	1		
	South Town Lane At USH 18								34.5	160
USH 18 at South Town Lane				28.5						
USH 18 WB	0.21 Miles East of South Town Lane (Bridgeport)	La Pointe St (Prairie du Chien)	6745	7986	1658					
	South Town Lane Left Turn Lane					94				
	South Town Lane At USH 18								35	
	USH 18 at South Town Lane								36	
	Industrial Blvd Left Turn Lane					97				
	Vineyard St Left Turn Lane					146				
	USH 18 at Vineyard St								43.5	
	Vineyard St at USH 18								33.5	
	La Pointe St Left Turn Lane					714	4	3		
	La Pointe St at STH 35 South Leg								50	203
Sub Totals			13272	15972	3387	1522	31	7	334	695

PAVEMENT MARKING EPOXY (UNDIVIDED HIGHWAYS)			646.0106				646.0126			
Crawford, La Crosse, Sauk & Vernon Counties			4-INCH EDGE LINE WHITE L.F.	4-INCH EDGE LINE YELLOW L.F.	4-INCH CENTERLINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.	647.0166 ARROWS TYPE 2 WHITE EACH	647.0356 WORDS "ONLY" WHITE EACH
HIGHWAY	LOCATION (From)	LOCATION (To)								
USH 18	Crawford County	Main St West (Prairie du Chien)	11792	3144	4393	650	351.5	32		
	East Abutment of the West Channel Mississippi River Bridge									
USH 14	La Crosse & Vernon Counties	STH 162 West Junction (West of Coon Valley)	65680	5682	54740	5044	1743	241		
	0.55 Miles East of CTH YY (East of La Crosse)									
STH 33	Sauk County	Hill St (Baraboo)	77321	822	3748	1296	921		2	1
	USH 12 (West Baraboo)									
STH 33	Lincoln St (East limit of Baraboo)	Sauk County - Columbia County Line			48076					
Sub Totals			154793	9648	110957	6990	3015.5	273	2	1

PAVEMENT MARKING EPOXY (UNDIVIDED HIGHWAYS)			646.0106			646.0126
La Crosse County			4-INCH EDGE LINE WHITE L.F.	4-INCH CENTERLINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.
LOCATION (From)	LOCATION (To)					
800' South of Old 93 Rd (End of the four Lane)	South End of the Black River Bridge (La Crosse - Trempealeau County Line)		17324	14145	312.5	
Old 93 Rd NB Left Turn Lane						200
Old 93 Rd SB Right Turn Lane						207
Cliff Shade Rd NB Right Turn Lane						109
Amsterdam Prairie Rd SB Right Turn Lane						198
Castle Mound Rd NB Right Turn Lane						124
Slyvestor Rd NB Right Turn Lane						200
CTH T NB Right Turn Lane						200
Council Bay Rd NB Right Turn Lane						87
Council Bay Rd SB Right Turn Lane						104
Sub Totals			17324	14145	312.5	1429

PAVEMENT MARKING EPOXY SUMMARY																	
LOCATION		646.0106					646.0126										
		4-INCH EDGE LINE WHITE L.F.	4-INCH EDGE LINE YELLOW L.F.	4-INCH CENTERLINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	4-INCH MINI DASHES L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (RAMP) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.	8-INCH CHANNELIZING WHITE (MINI DASHES) L.F.	647.0166 ARROWS TYPE 2 WHITE EACH	647.0196 ARROWS TYPE 5 WHITE EACH	647.0356 WORDS "ONLY" WHITE EACH	647.0566 18-INCH STOP LINE WHITE L.F.	647.0726 12-INCH DIAGONAL WHITE L.F.	647.0776 12-INCH CROSSWALK WHITE L.F.	647.0803 AERIAL ENFORCEMENT BARS 24-INCH WHITE L.F.
IH 90	La Crosse & Monroe	115005	108025		22727	315	9252	11049	1065		12		4	300			
USH 61	Grant	92717	92275		19912		7015	5439	1046					196			
USH 14	Vernon	47753	48874	3212	11992		4281		9614	32	80	2	64		2336		120
USH 14	Richland	33542	35674		8696		3987				58		20	285		317	
STH 23	Sauk	15983	12202		2689		1168				16		2	146		589	
STH 157	La Crosse	12369	13984	4038	5593		3659	1830	1066		19		6	633.5	88		
USH 18	Crawford	13272	15972		3387		1522				31		7	334		695	
USH 14, 18 & STH 33	Crawford, La Crosse, Sauk & Vernon	0	822	3748	1296		3015.5		273		2		1				
USH 53	La Crosse	17324		14145	312.5		1429										
TOTALS		347965	327828	25143	76604.5	315	35328.5	18318	13064	32	218	2	104	1894.5	2424	1601	120
TOTAL 4-INCH 777855.5							TOTAL 8-INCH 66742.5										

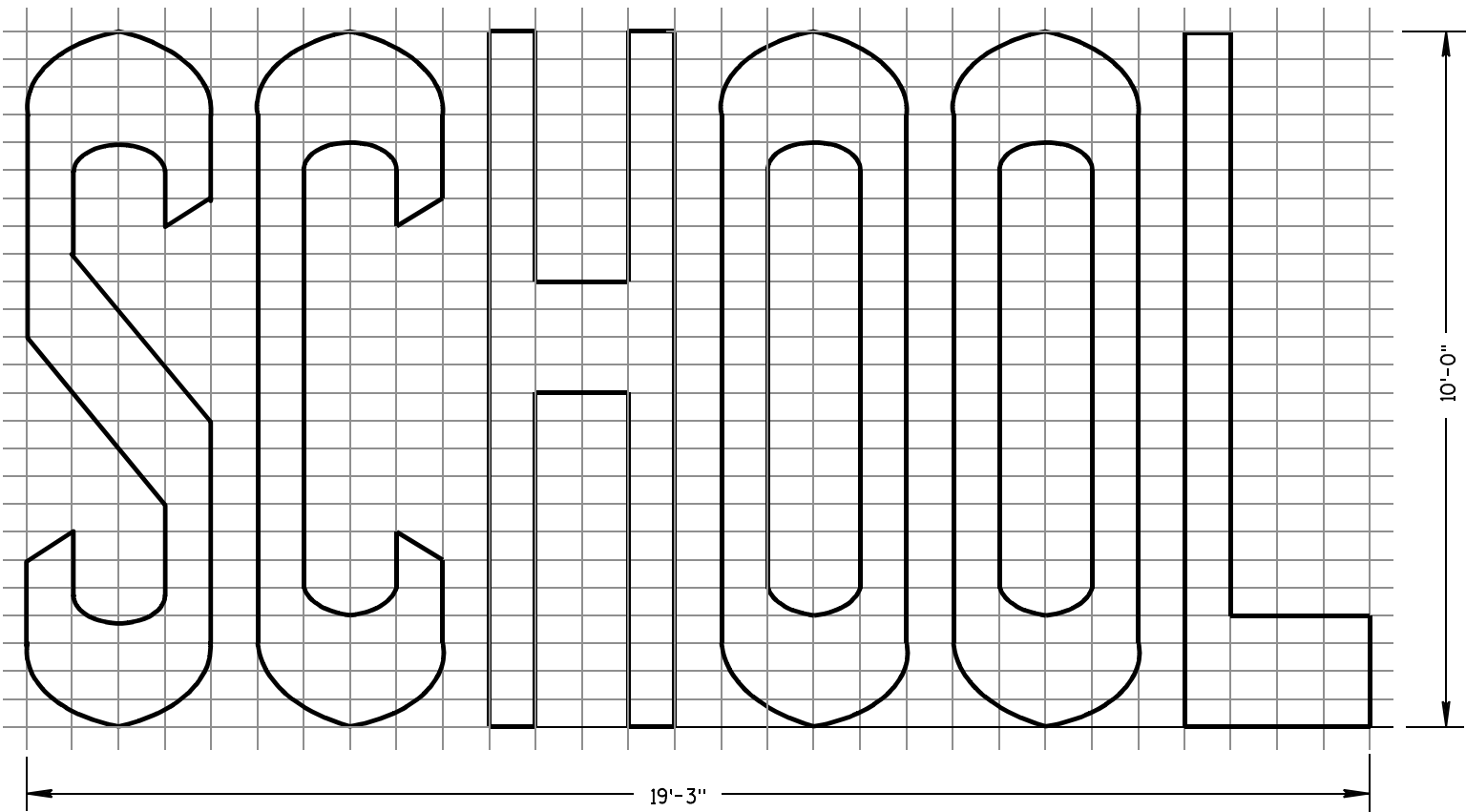
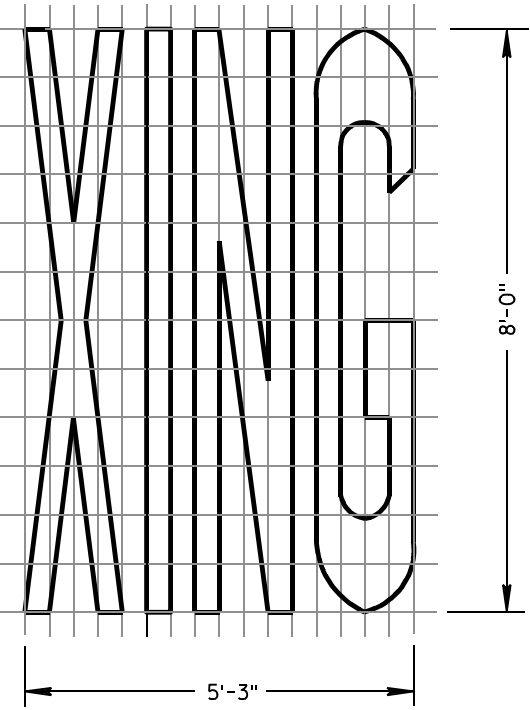
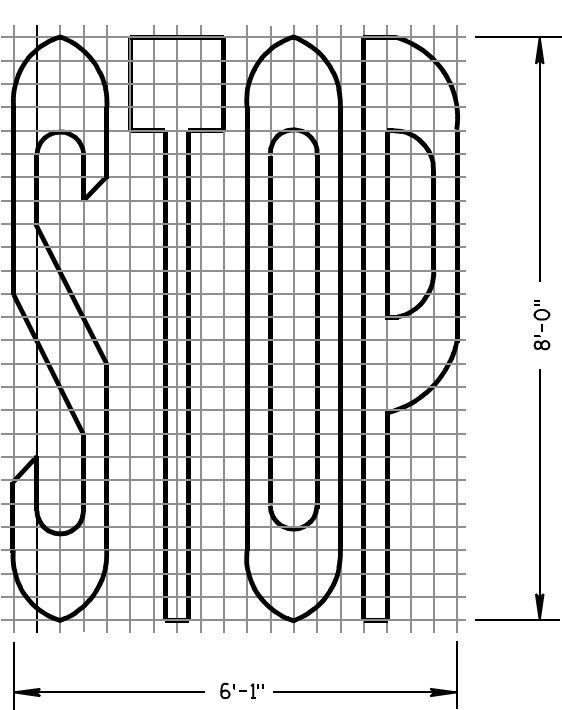
Standard Detail Drawing List

15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C14-01	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C18-03	MEDIAN ISLAND MARKING
15C19-03A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-03B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-03C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C21-06	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C28-02	SIGNING AND MARKING FOR COMBINATION RIGHT TURN AND BYPASS LANE
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING

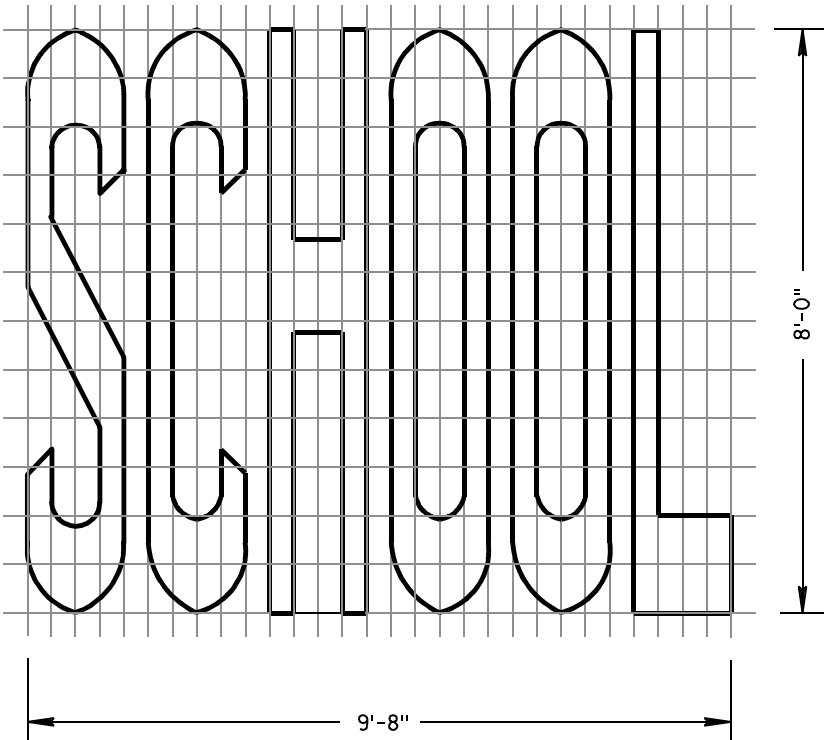
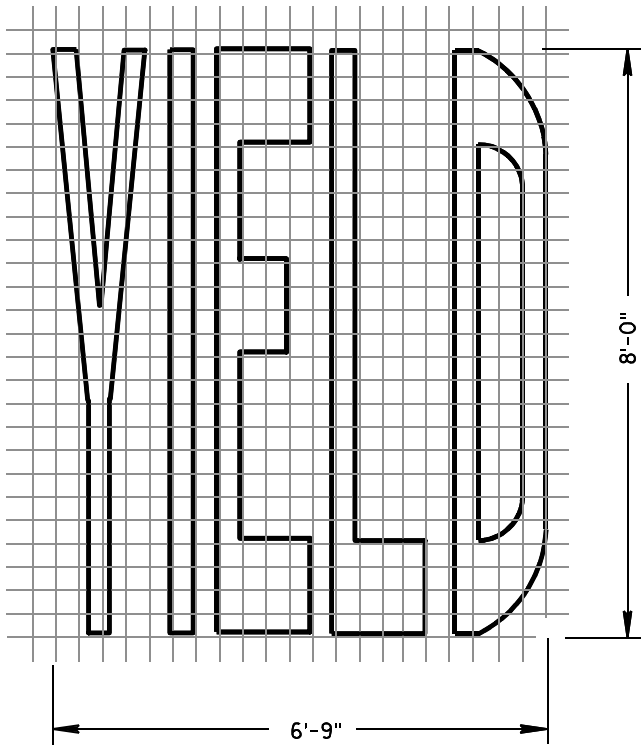
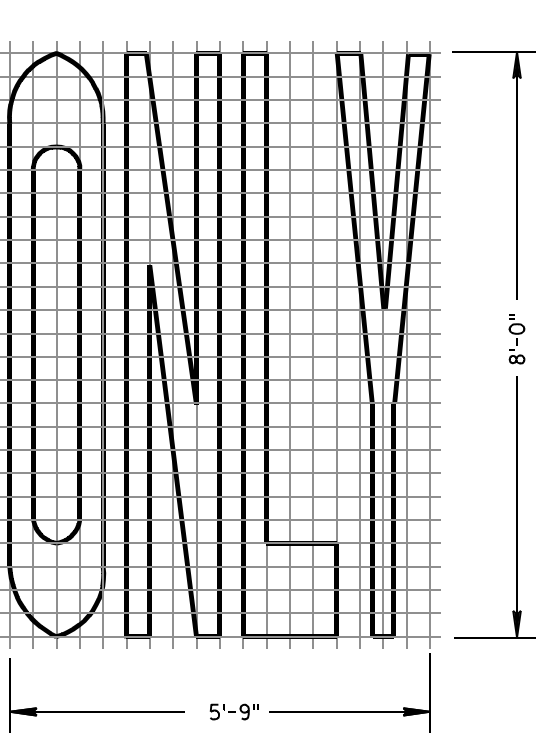
GENERAL NOTES

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.

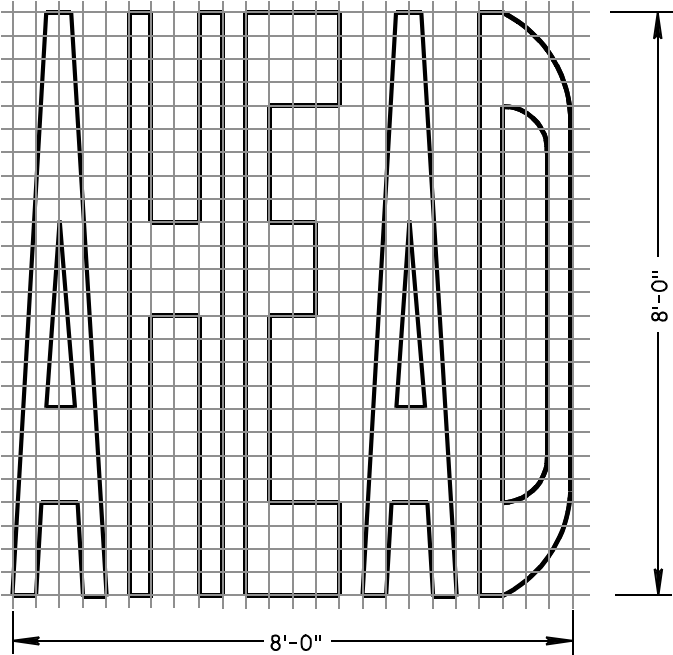
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES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



TWO-LANE



SINGLE-LANE



PAVEMENT MARKING WORDS

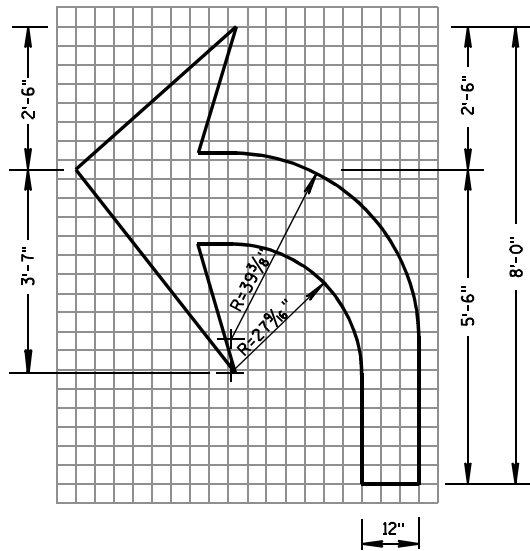
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

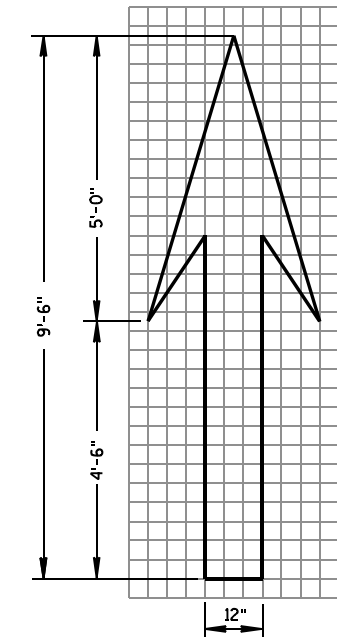
7-1-11
DATE

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

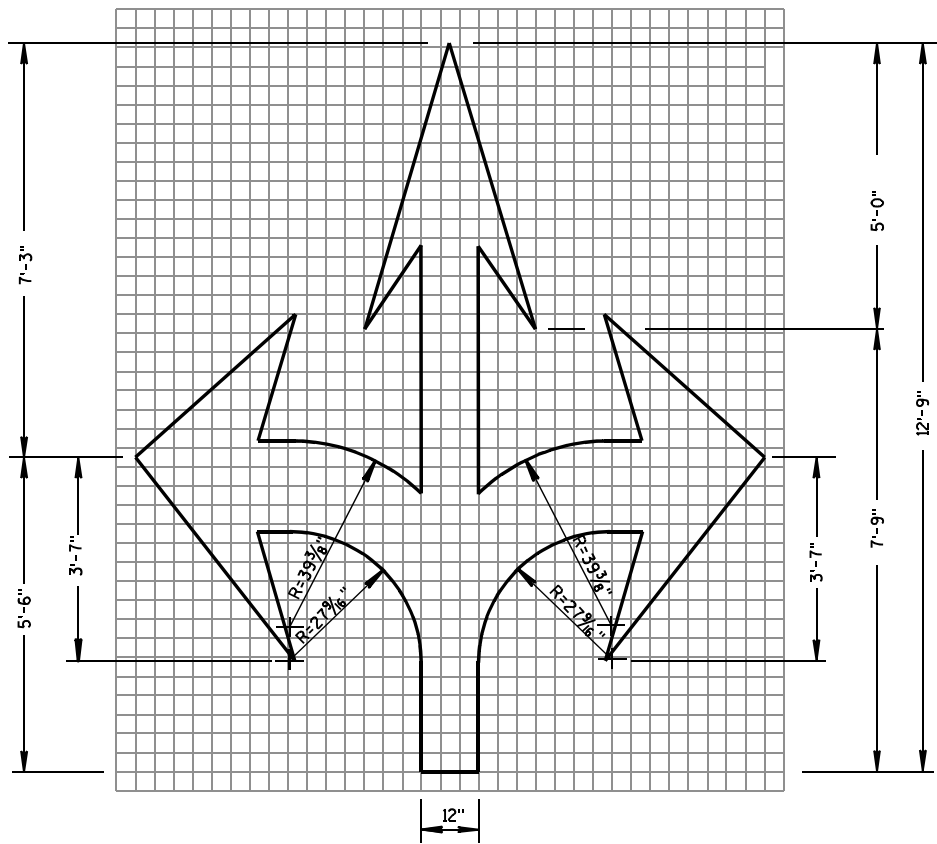
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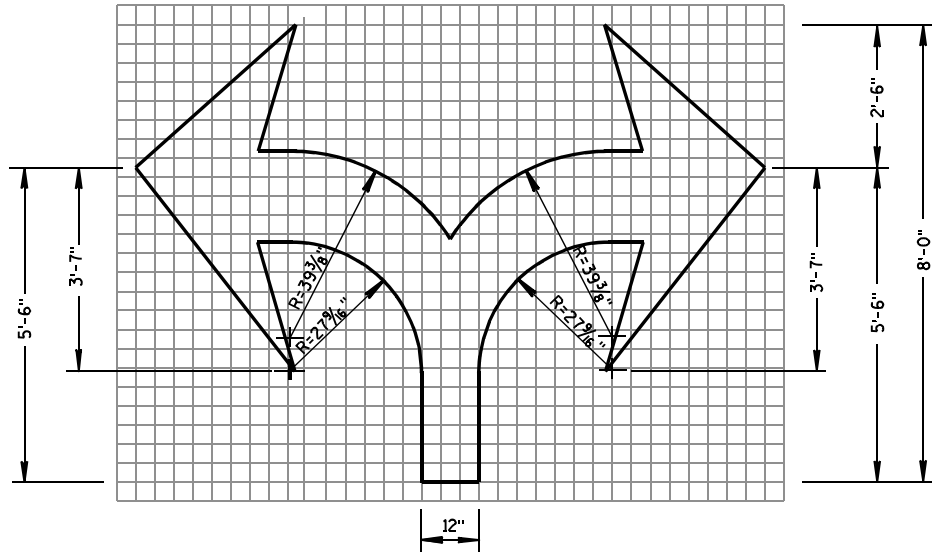
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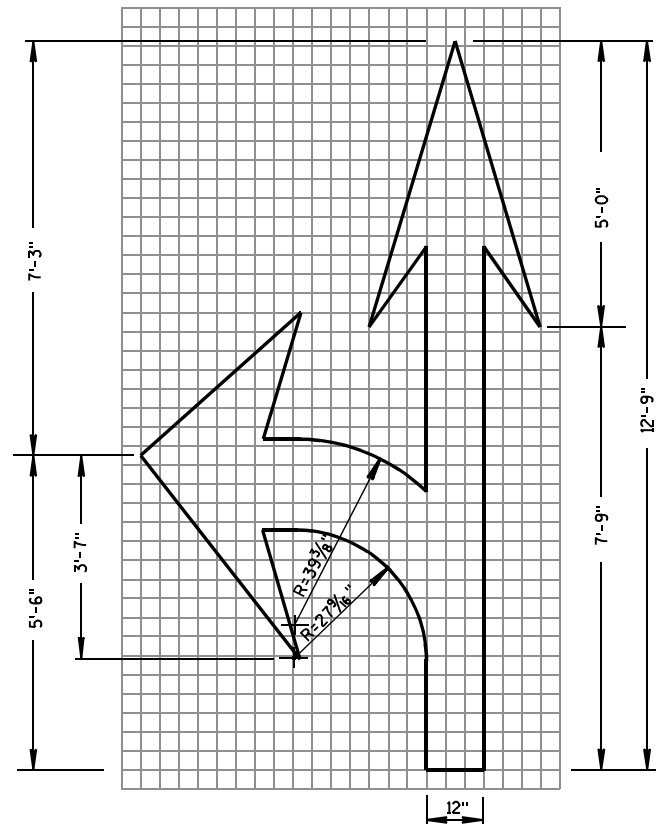
TYPE 1



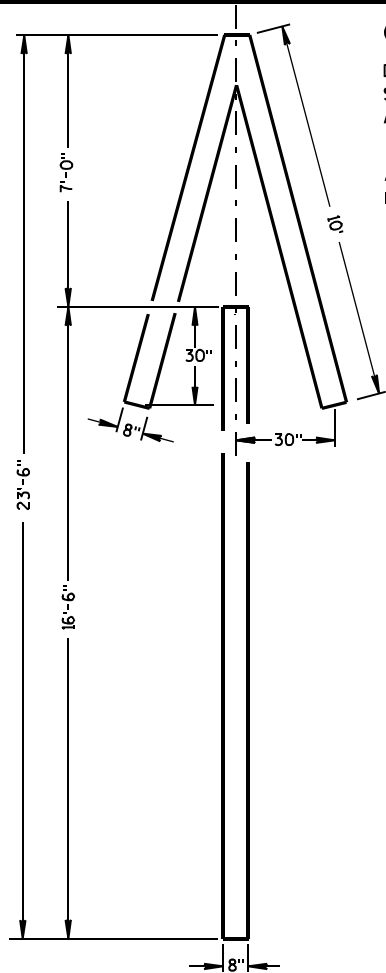
TYPE 6



TYPE 7



TYPE 3

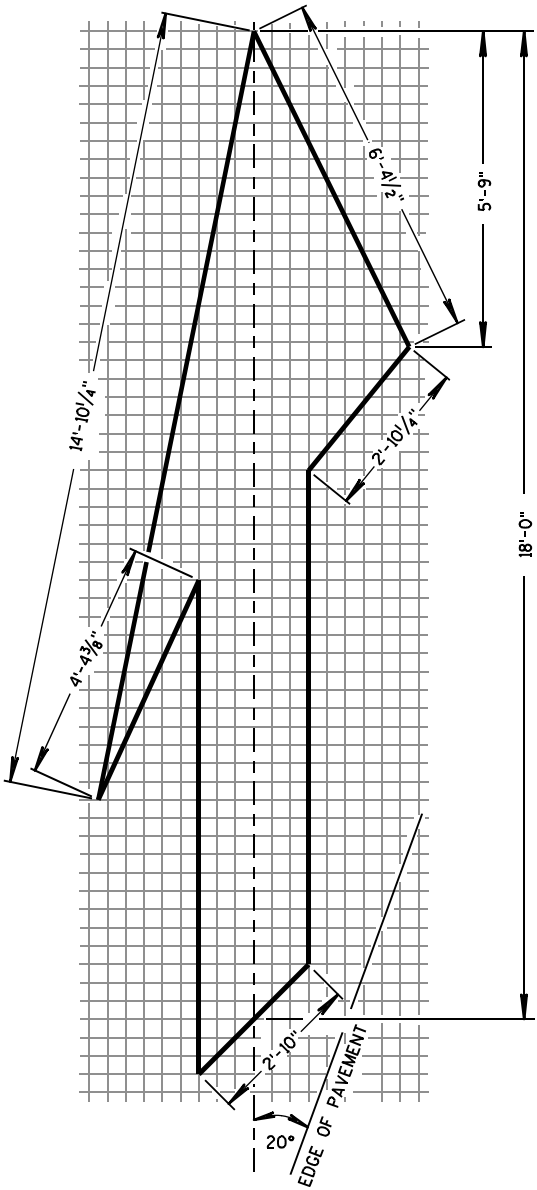


TYPE 4

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.

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.



TYPE 5 LANE DROP ARROW

PAVEMENT MARKING ARROWS

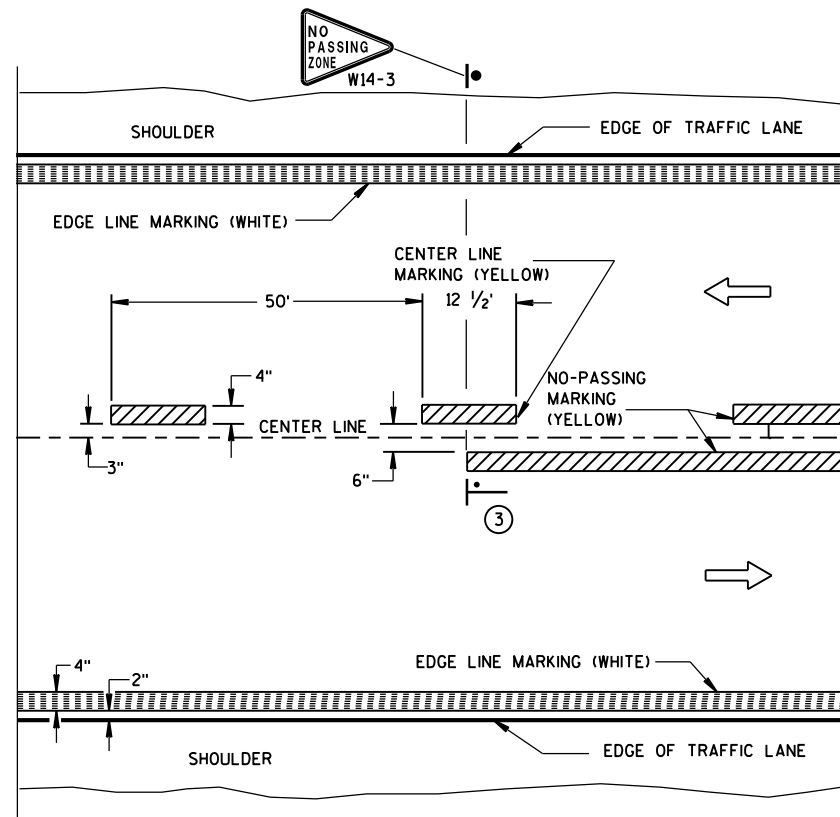
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

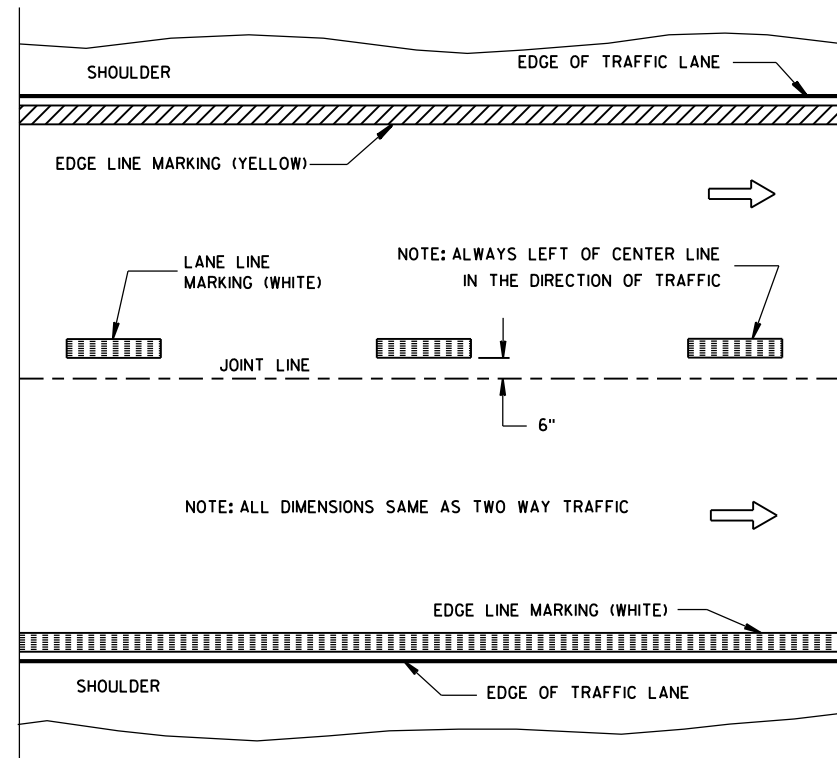
7/1/11
DATE

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

FHWA

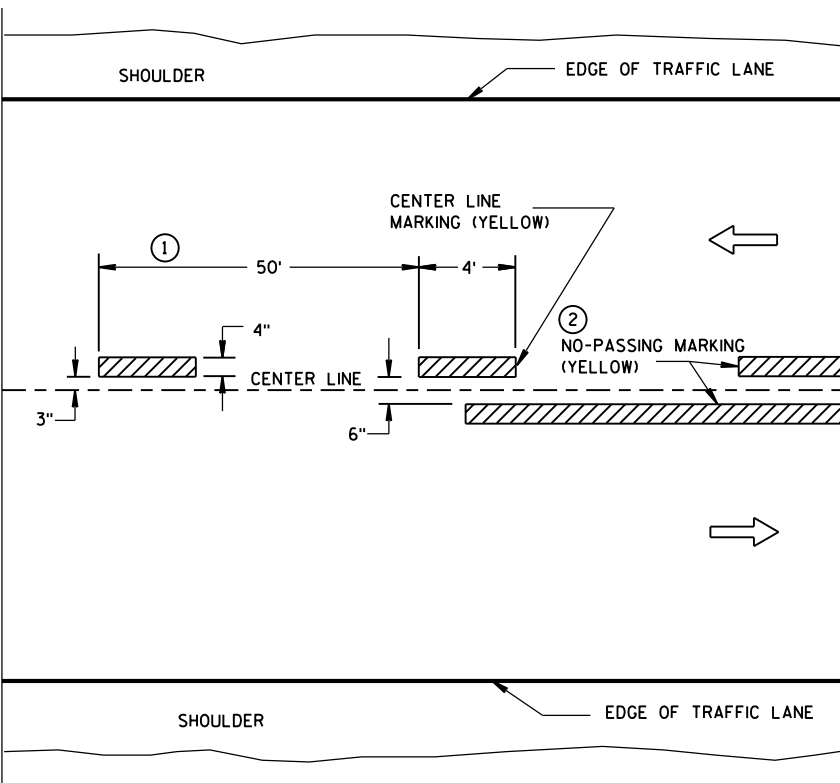


TWO WAY TRAFFIC

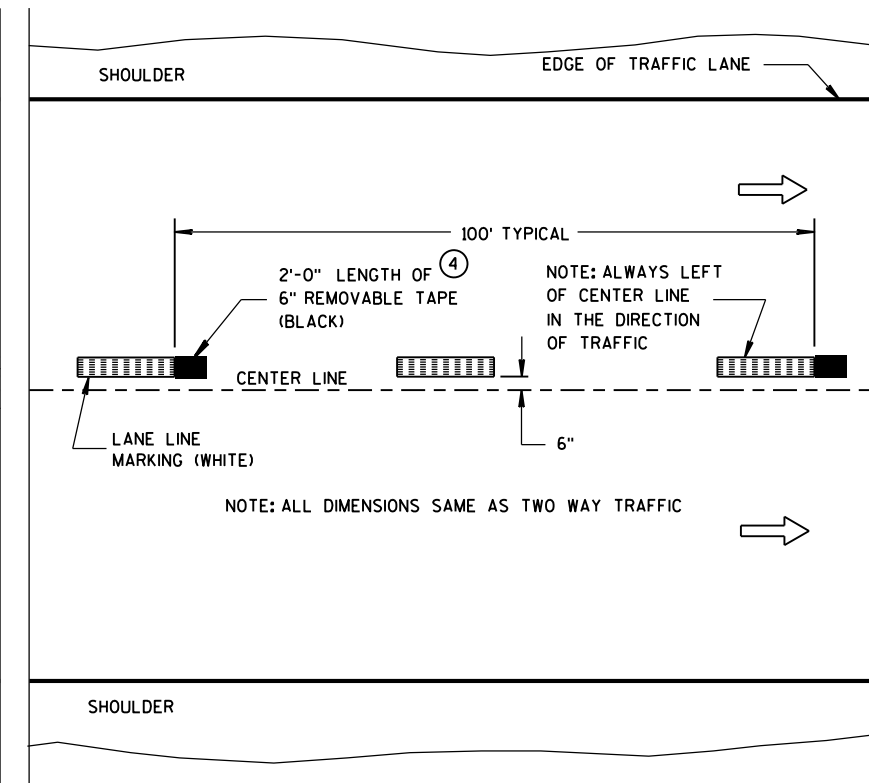


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

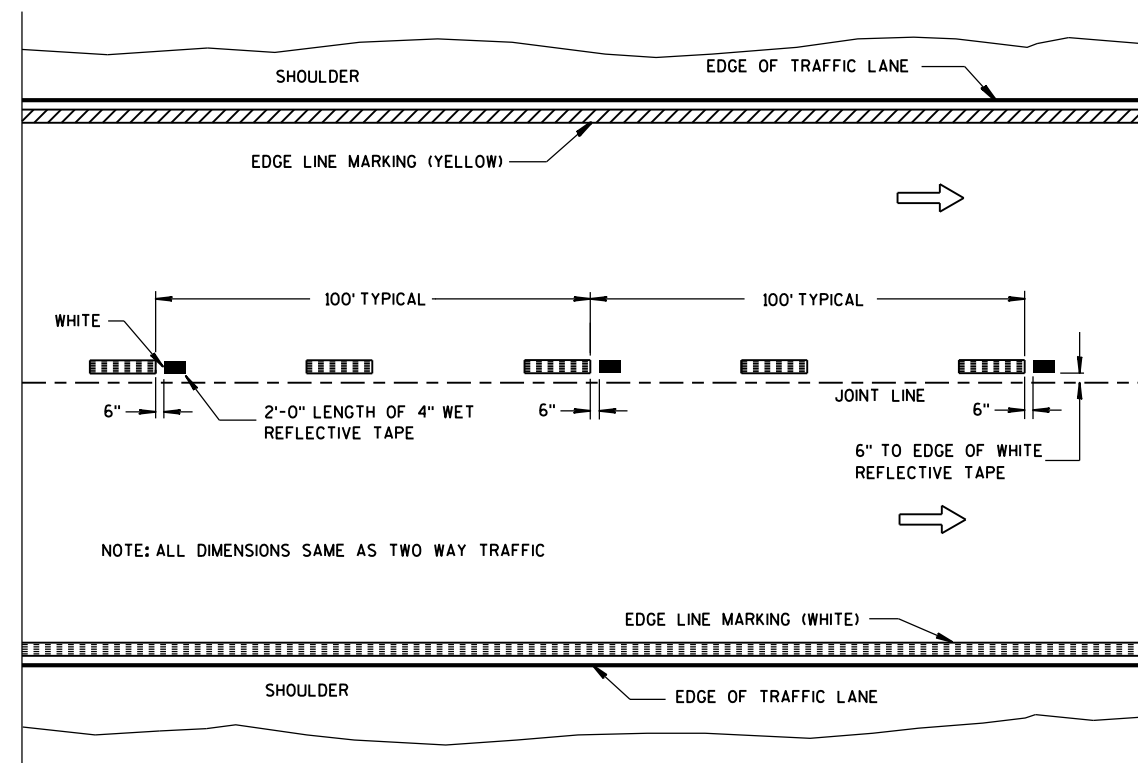
GENERAL NOTES

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

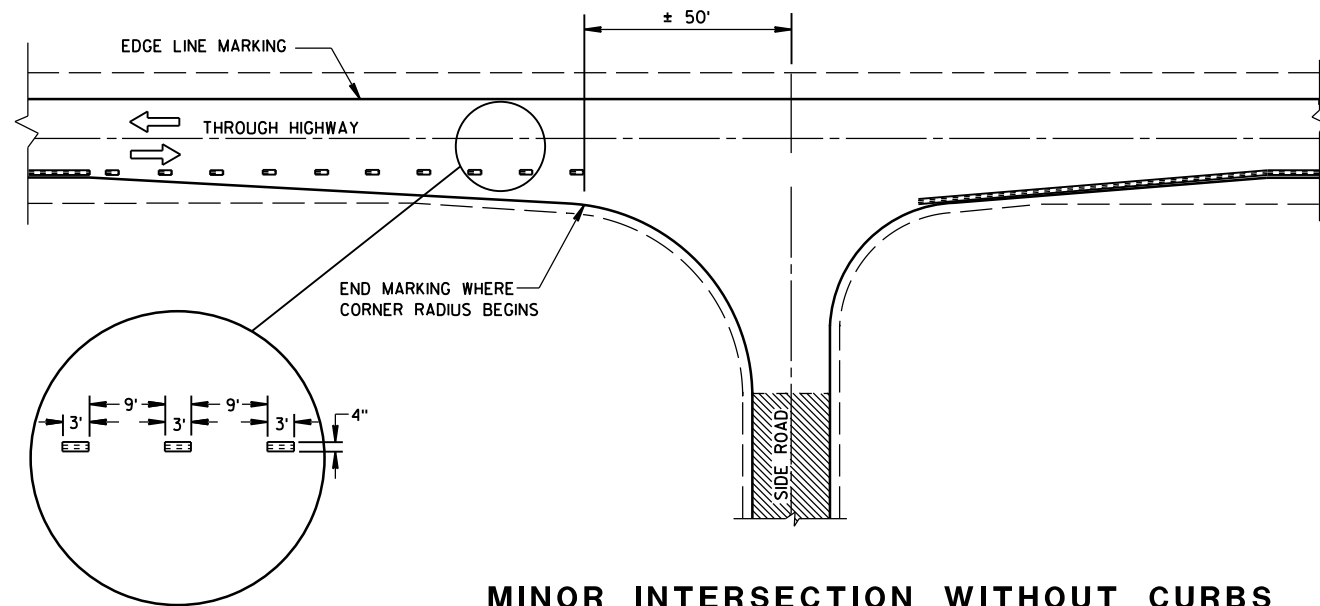
- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-2013
DATE
FHWA

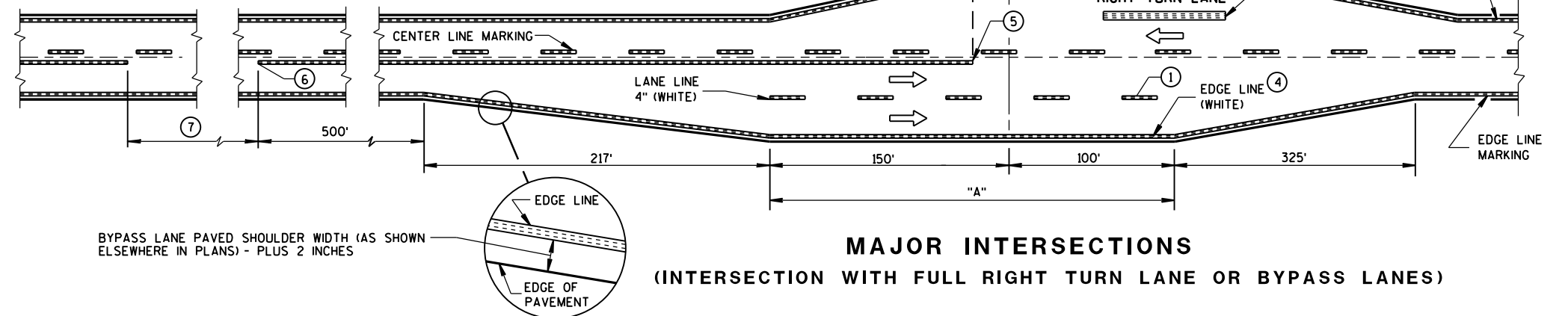
/S/ Travis Feltes
STATE TRAFFIC ENGINEER



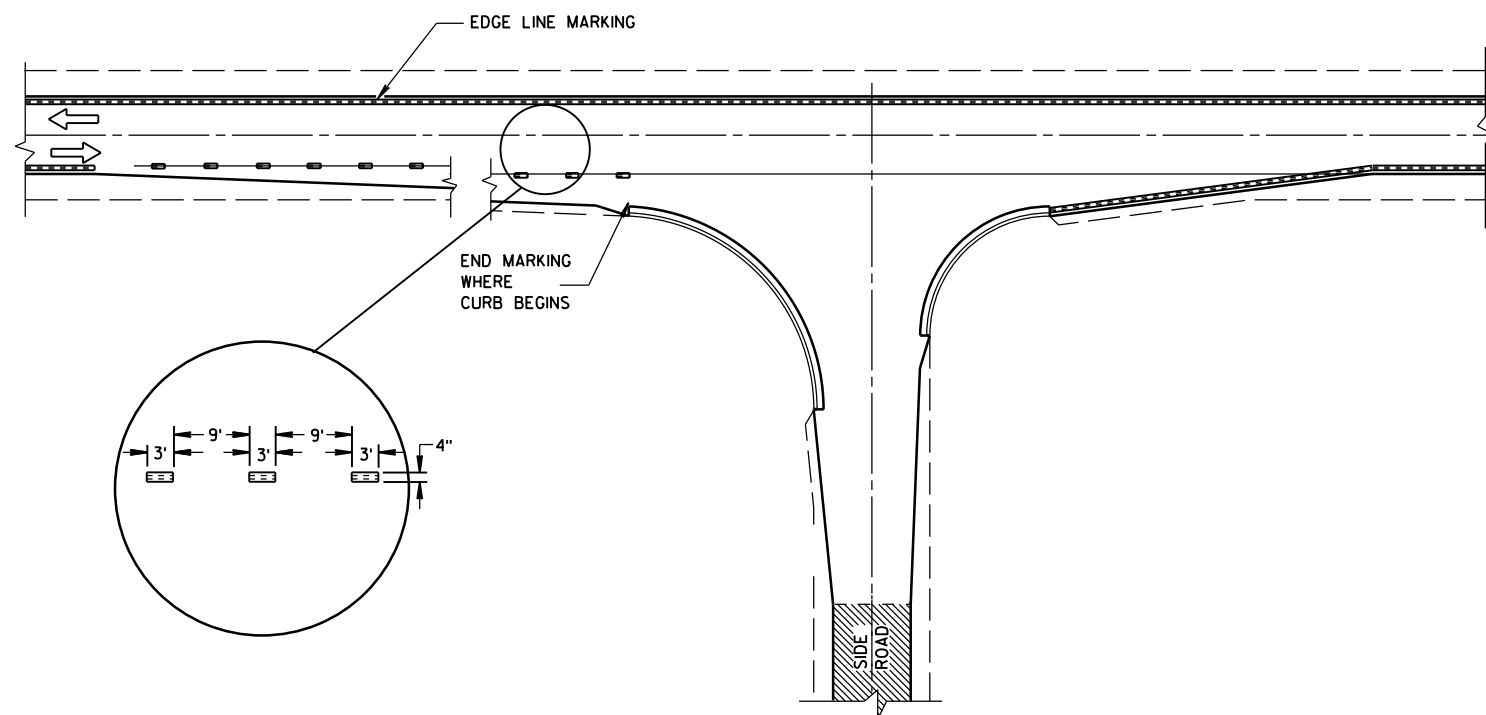
MINOR INTERSECTION WITHOUT CURBS

⑦

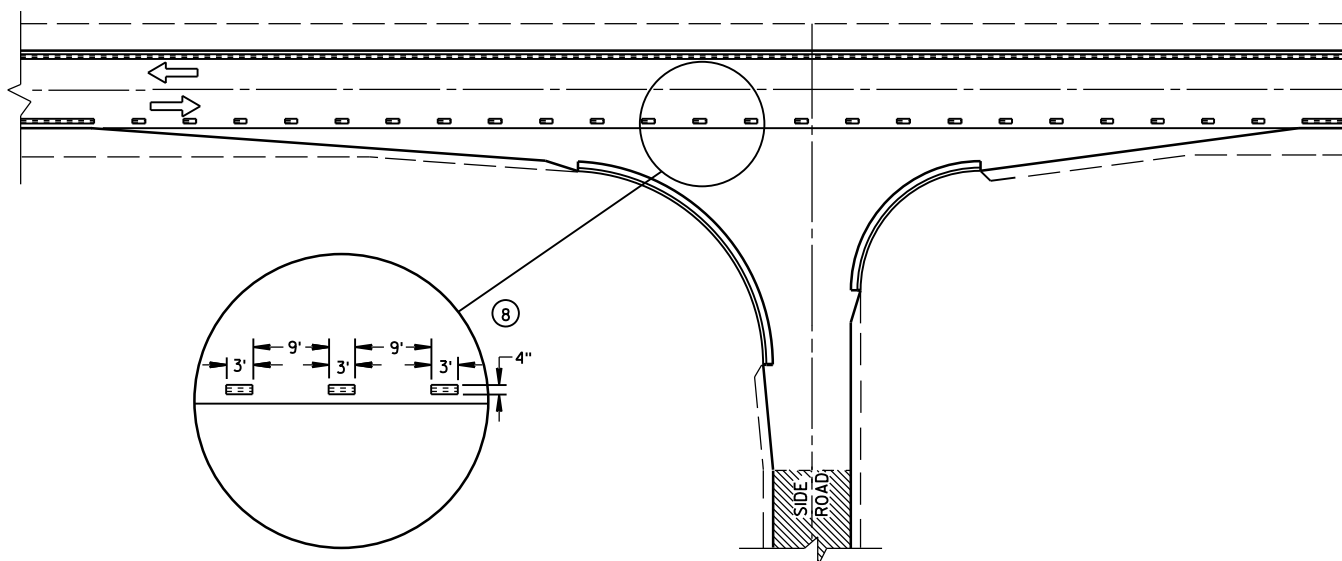
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



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



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



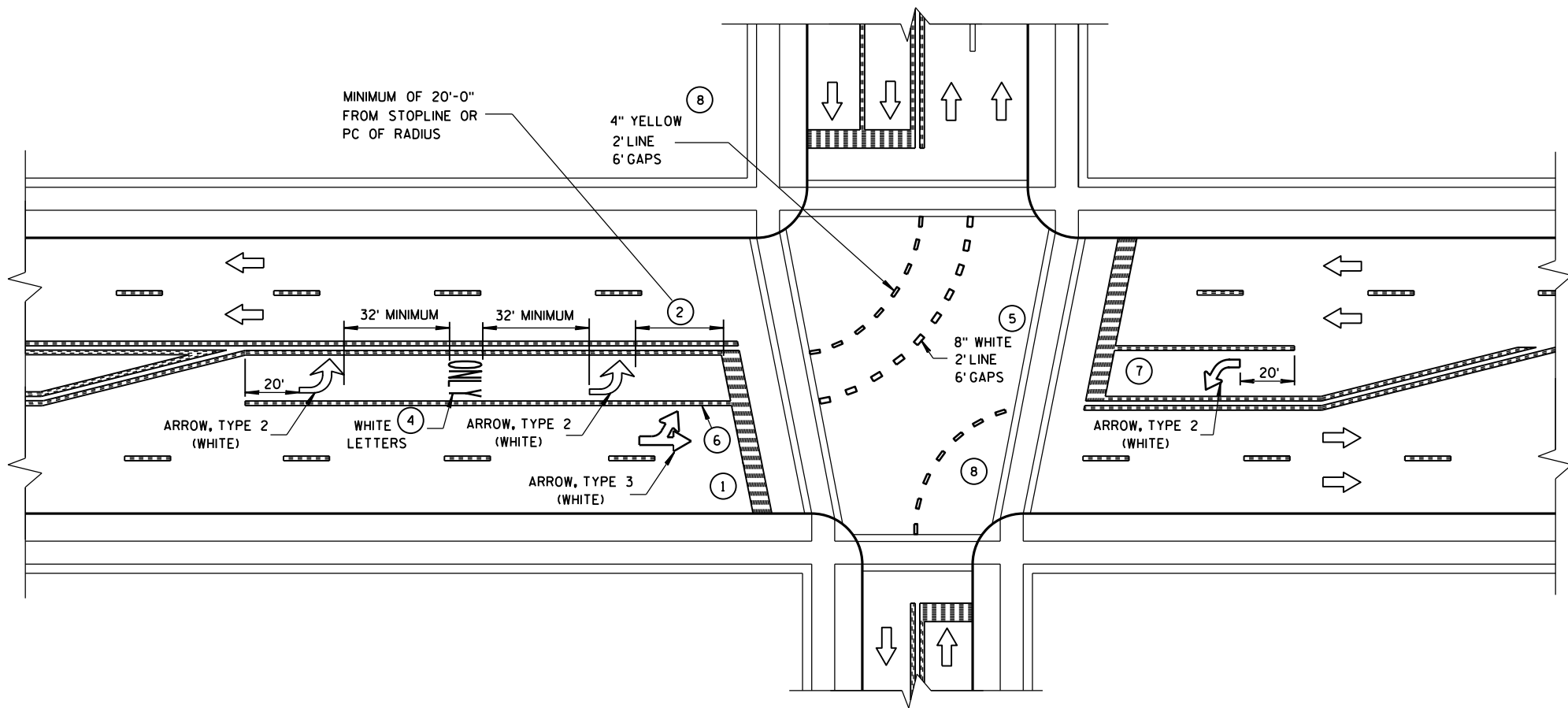
MINOR INTERSECTION WITH CURBS
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

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)

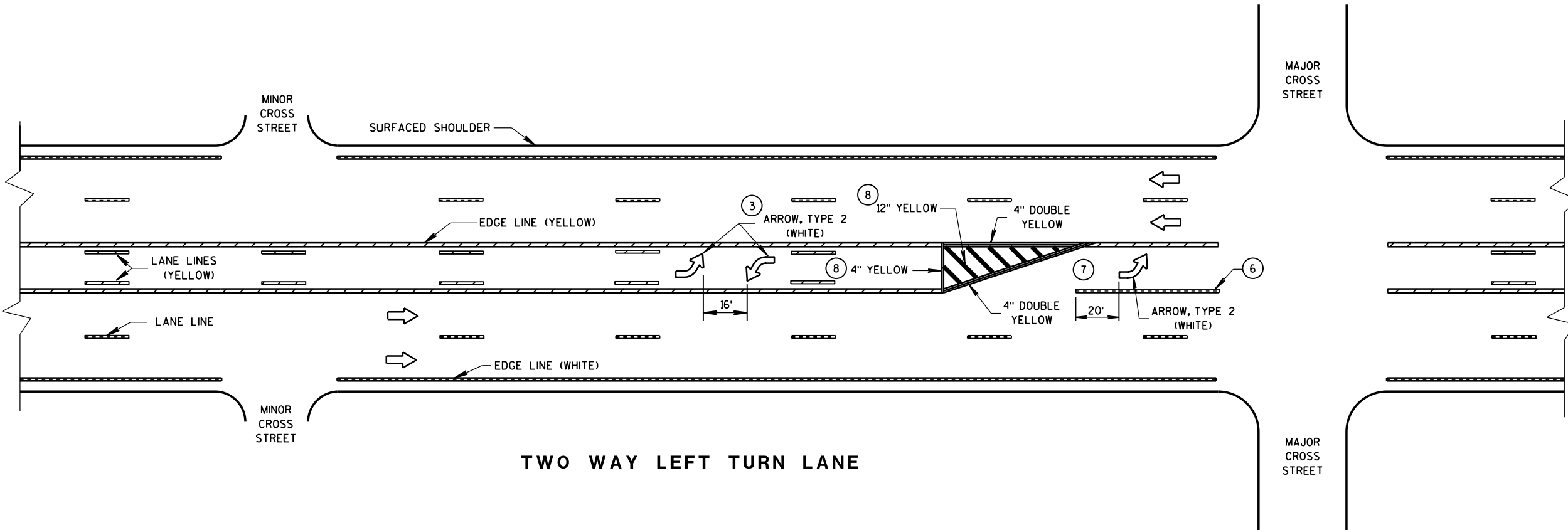
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

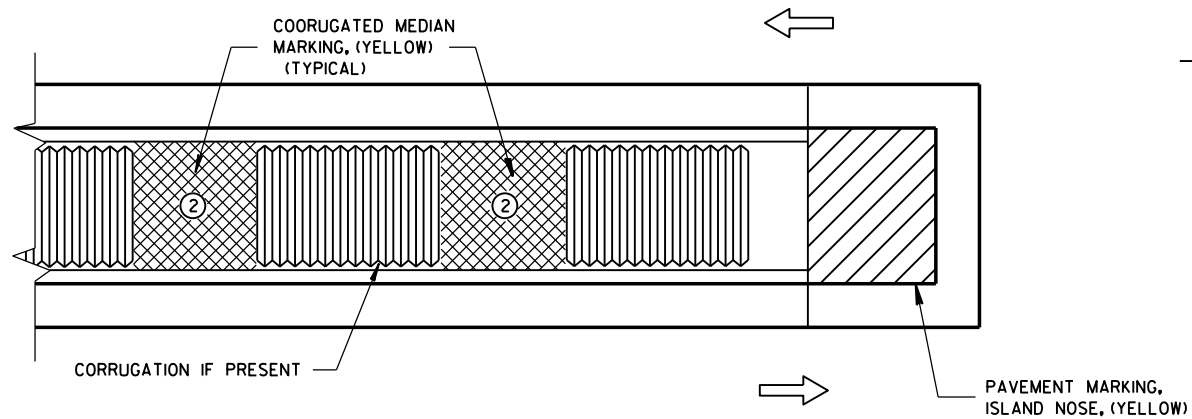
- 1 STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
- 2 DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
- 3 A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- 4 ADD EXTRA SETS OF ONE ARROW AND ONE 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

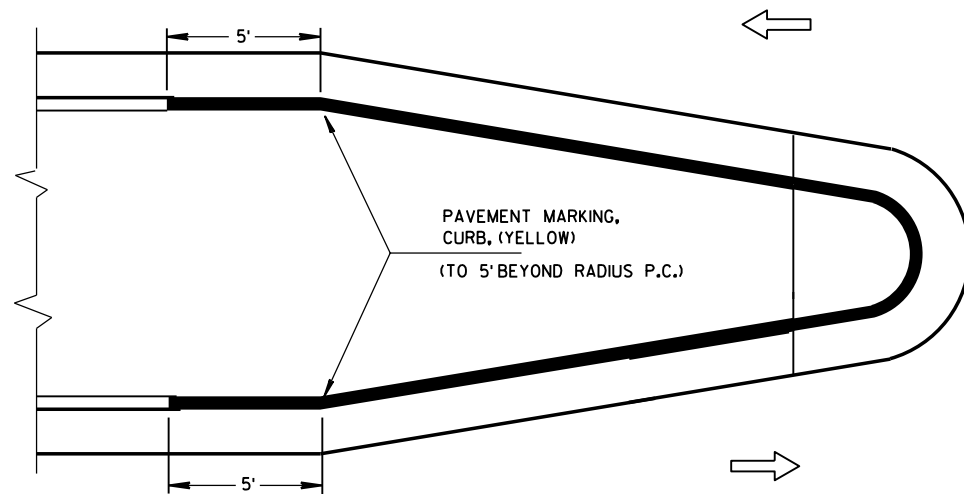


PAVEMENT MARKING
(LEFT TURN LANE)

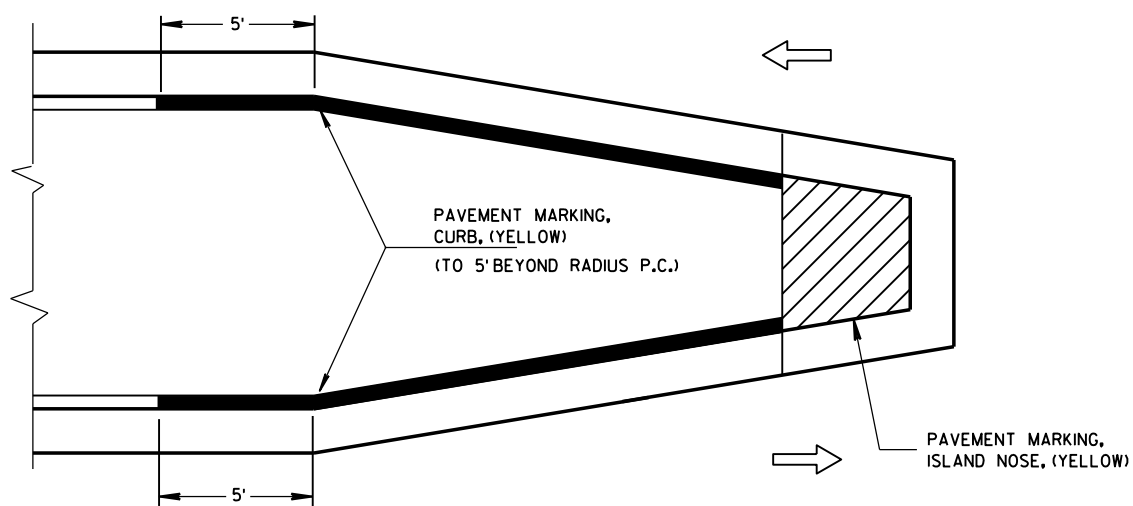
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

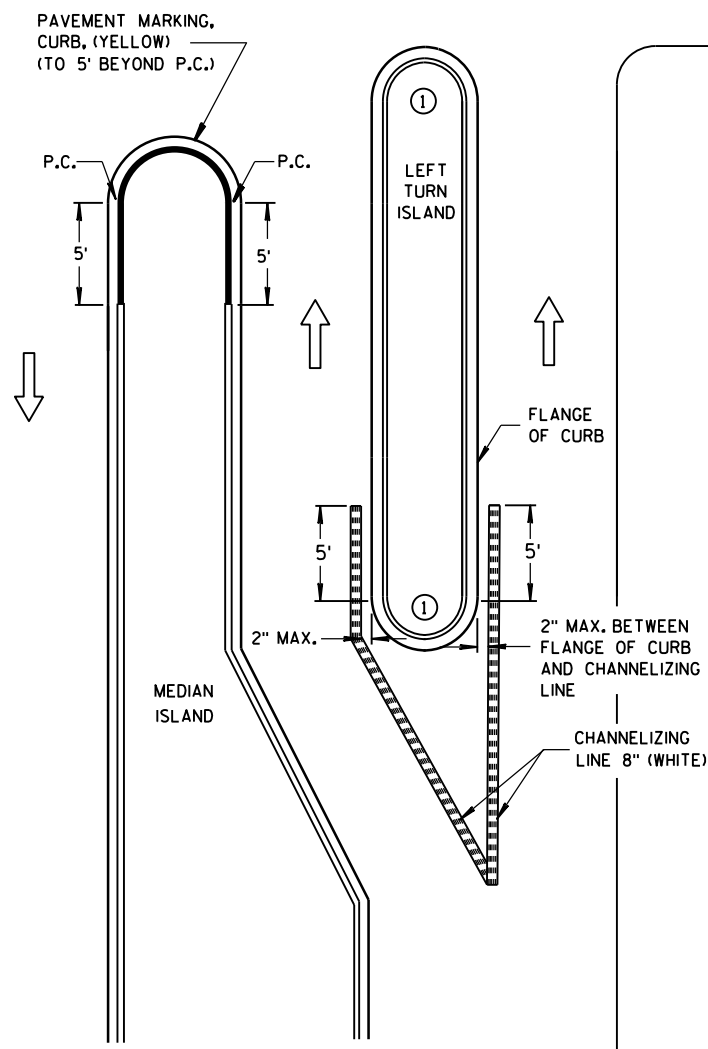


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

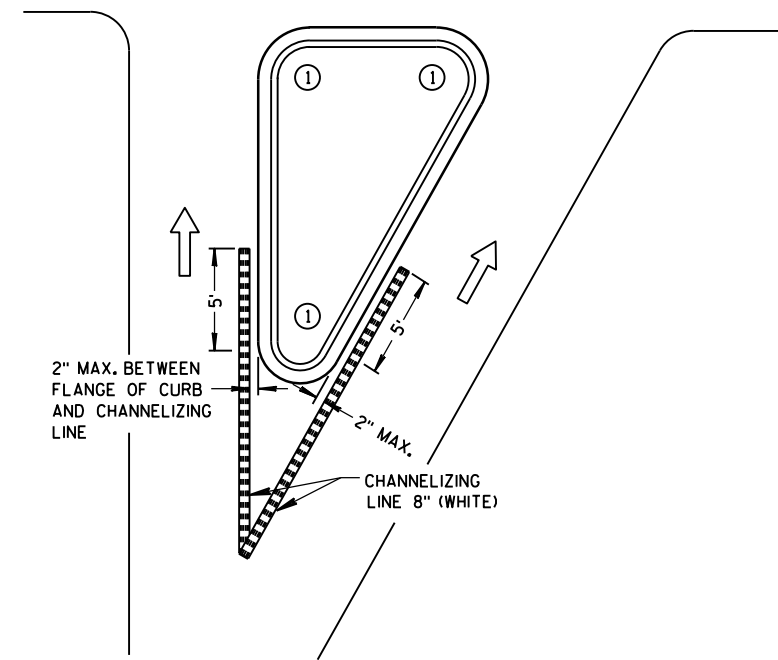
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



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

LEGEND

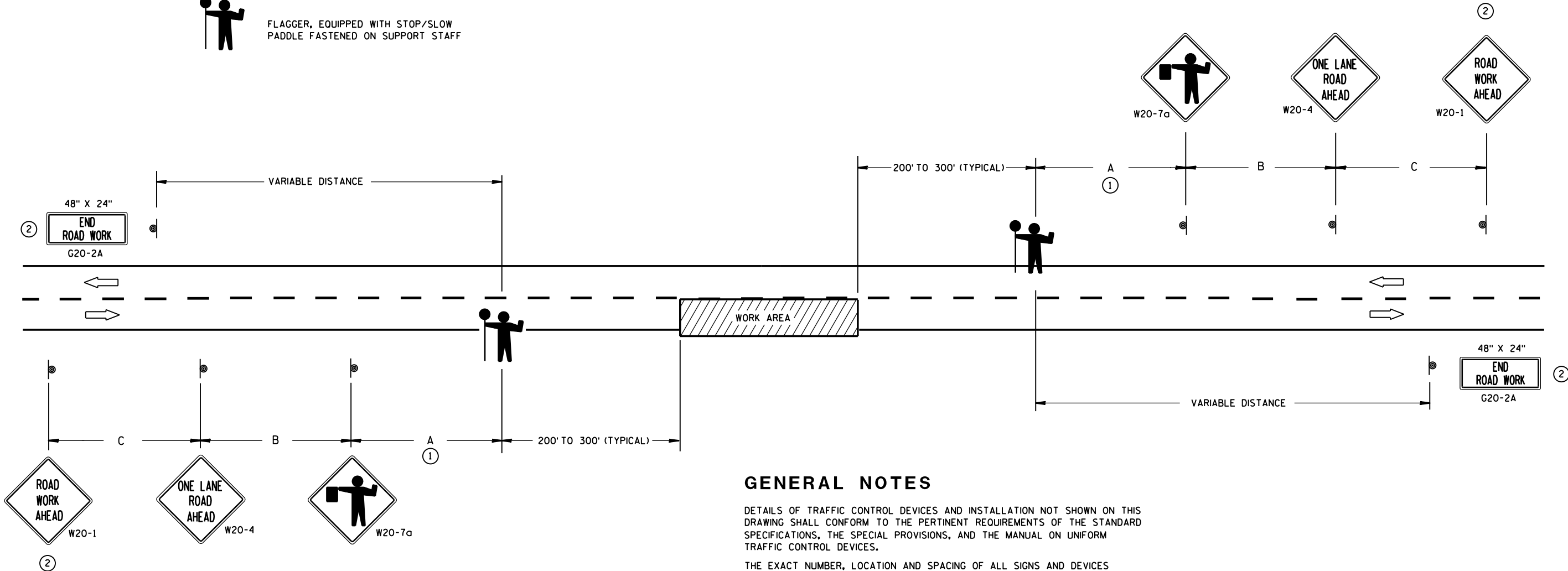
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

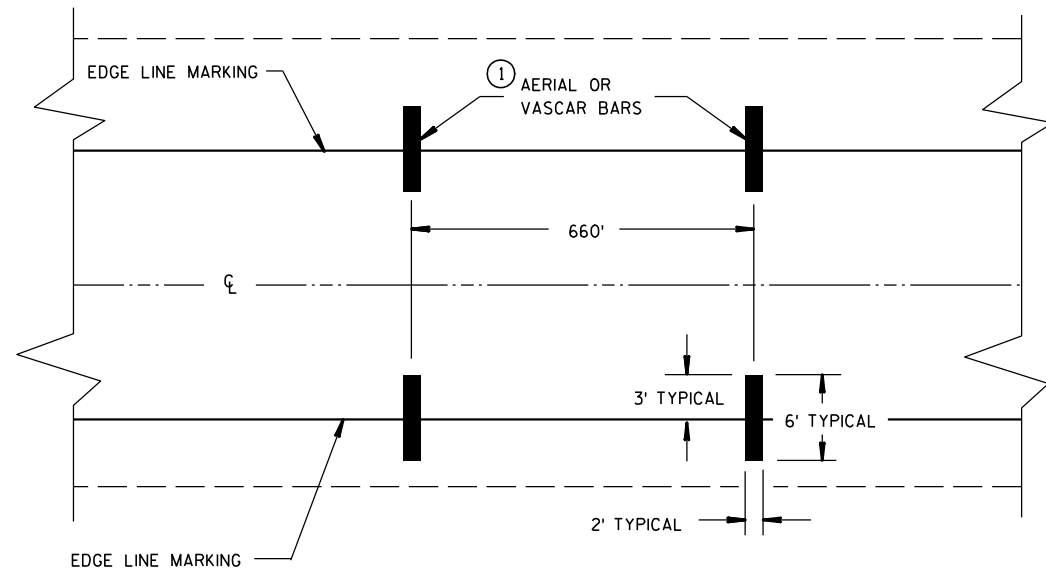
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

- ① FOR A MOVING WORK OPERATION, SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- ② SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

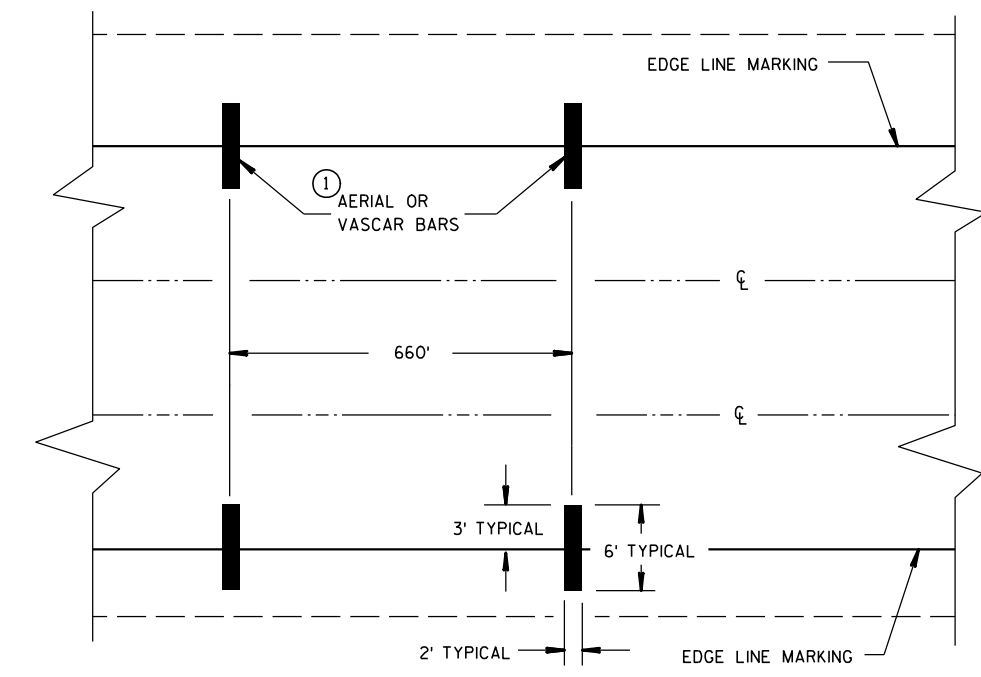
TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC



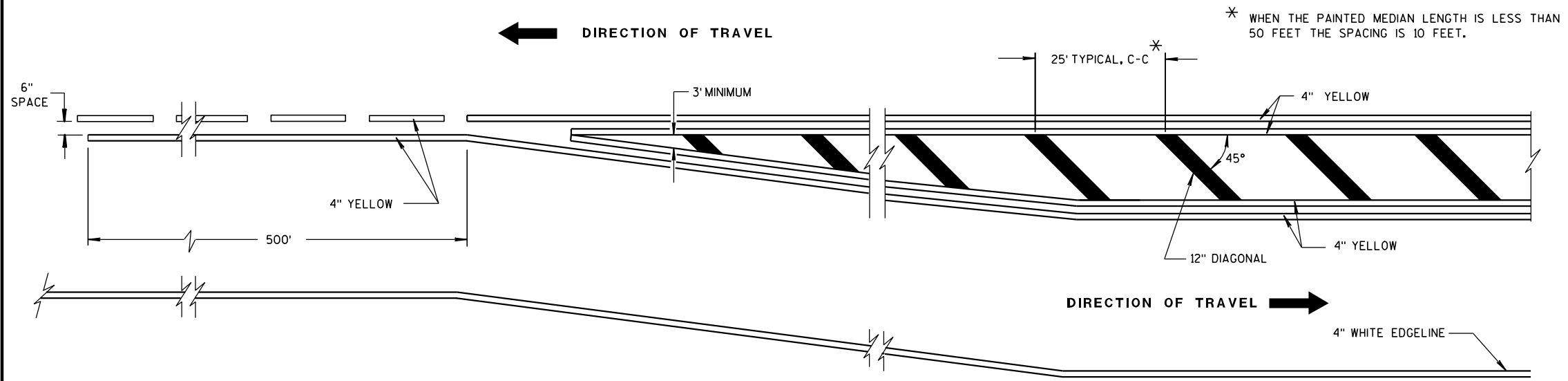
TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

GENERAL NOTES

- ① NUMBER OF VASCAR OR AERIAL BARS SHALL BE A MINIMUM OF 2 OR A MAXIMUM OF 5 AT 660' SPACING.
- A CAR CAN BE PROVIDED BY THE WISCONSIN STATE PATROL FOR TRAFFIC CONTROL.

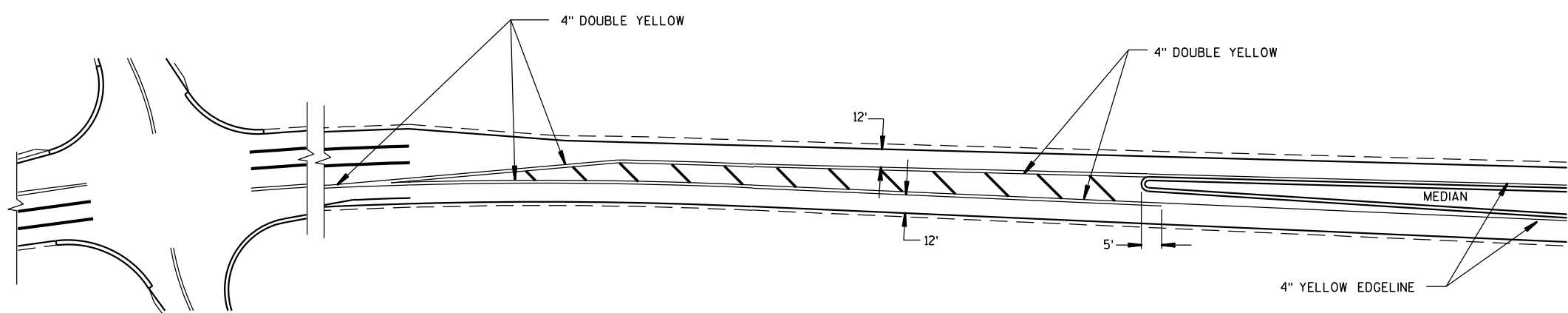
AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 4/23/01 DATE	/S/ Chester J. Spang CHIEF SIGNS AND MARKING ENGINEER
FHWA	



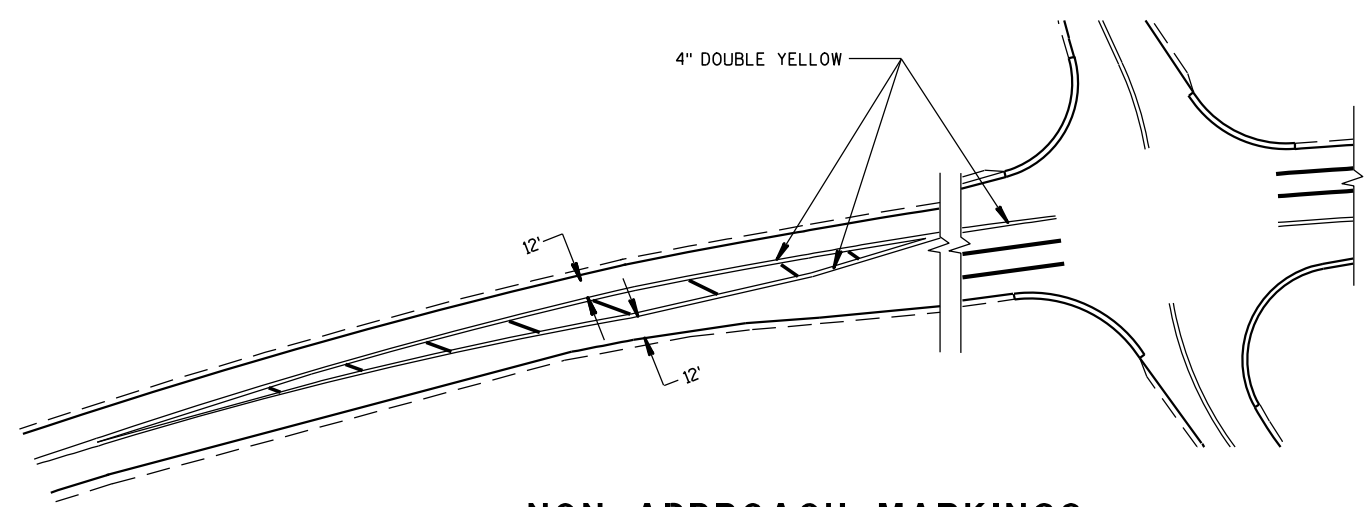
GENERAL NOTE

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

MEDIAN ISLAND DETAIL

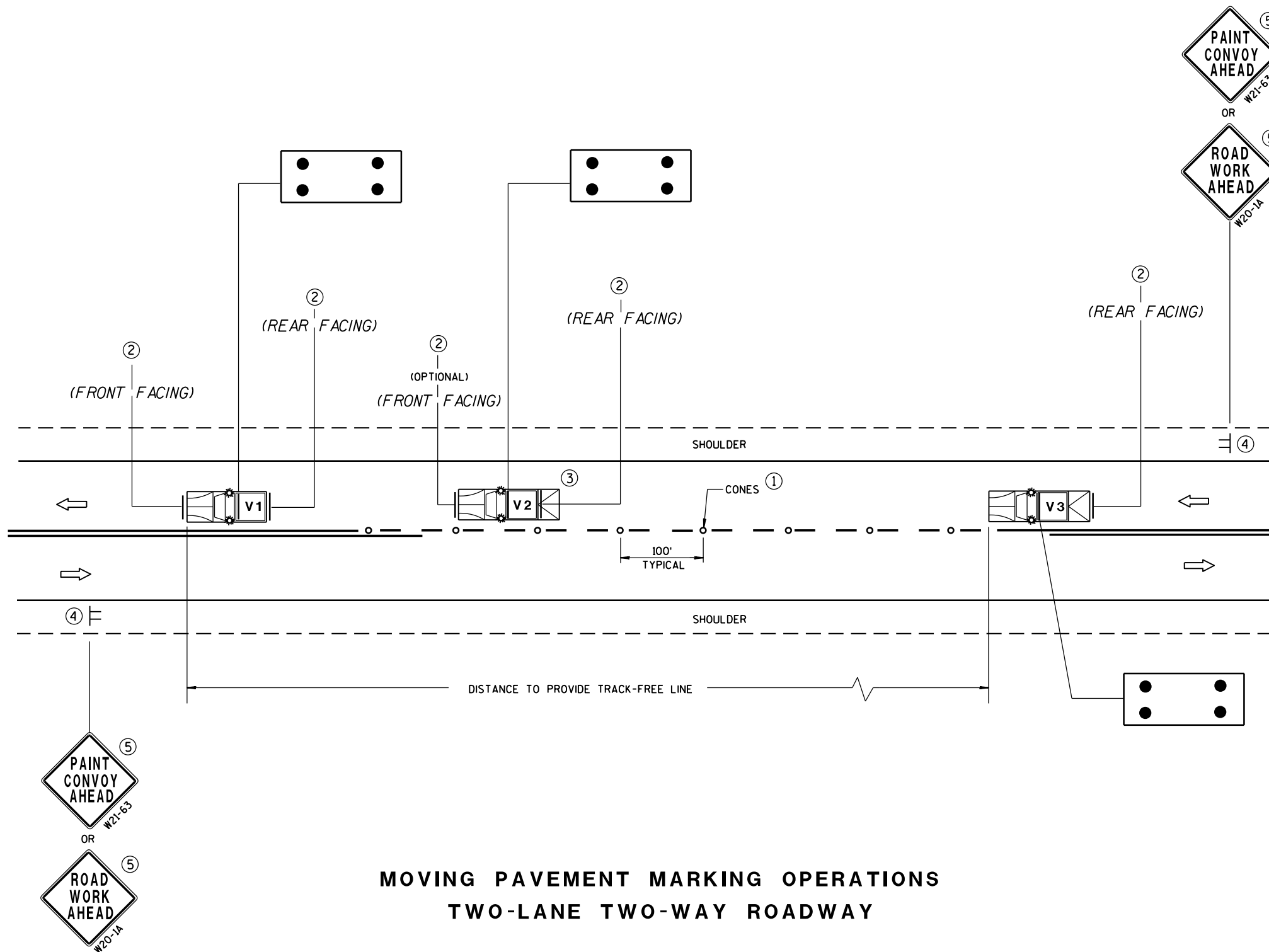


APPROACH MARKINGS FOR OTHER MEDIAN TYPES



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.

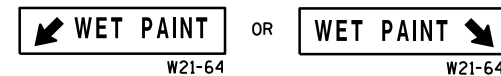
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

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.



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)

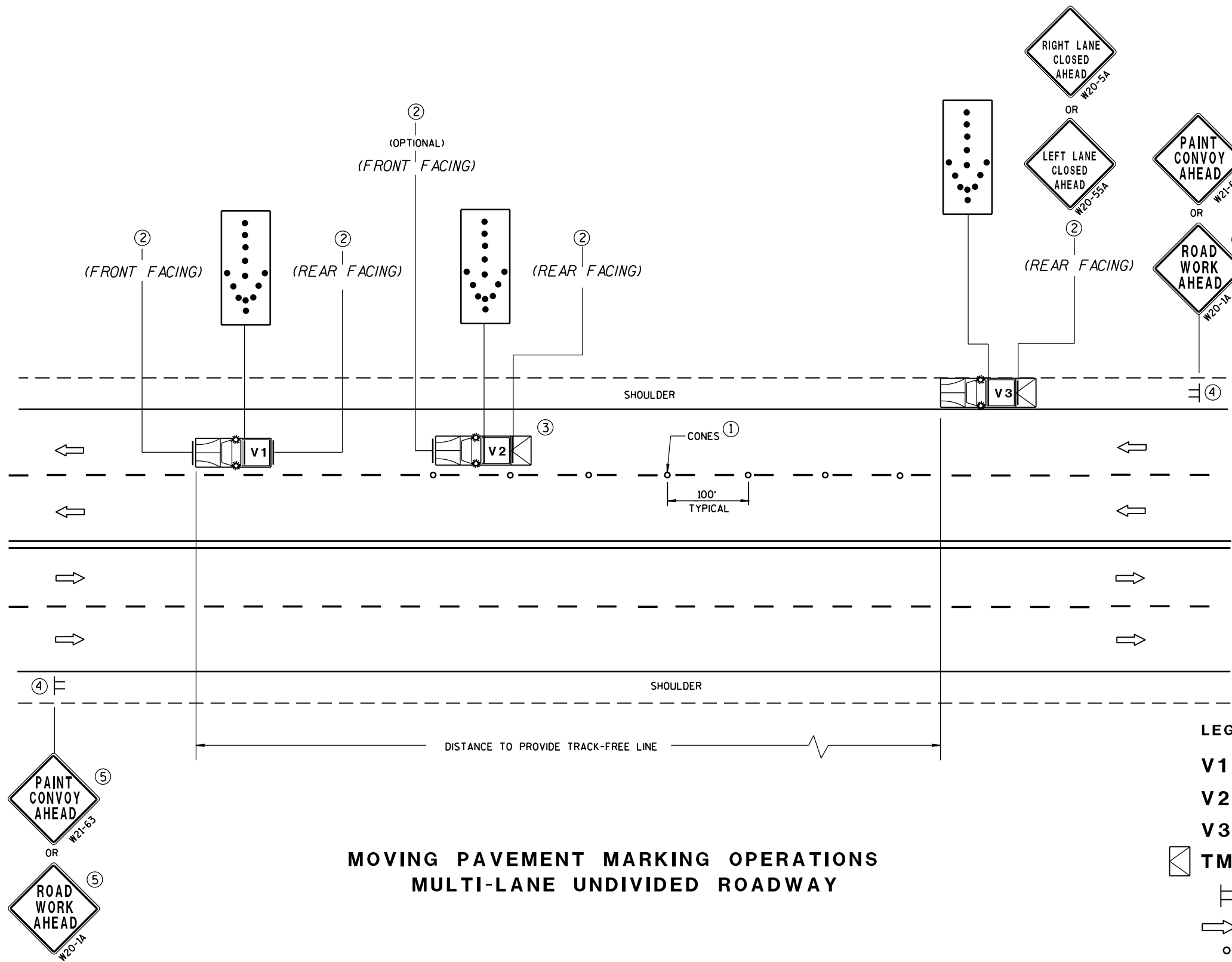
MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

DATE /S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

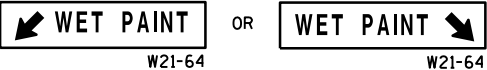
FHWA



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 EDGELINE 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 EDGELINE 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.



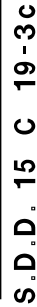
LEGEND

- 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
Sept. 2015 /S/ Peter Amakobe Atepe
DATE STATEWIDE WORK ZONE TRAFFIC
FHWA SAFETY ENGINEER



APPROVED	
Sept. 2015	/S/ Peter Amakobe Atepe
DATE	STATEWIDE WORK ZONE TRAFFIC
	SAFETY ENGINEER
FHWA	

GENERAL NOTES

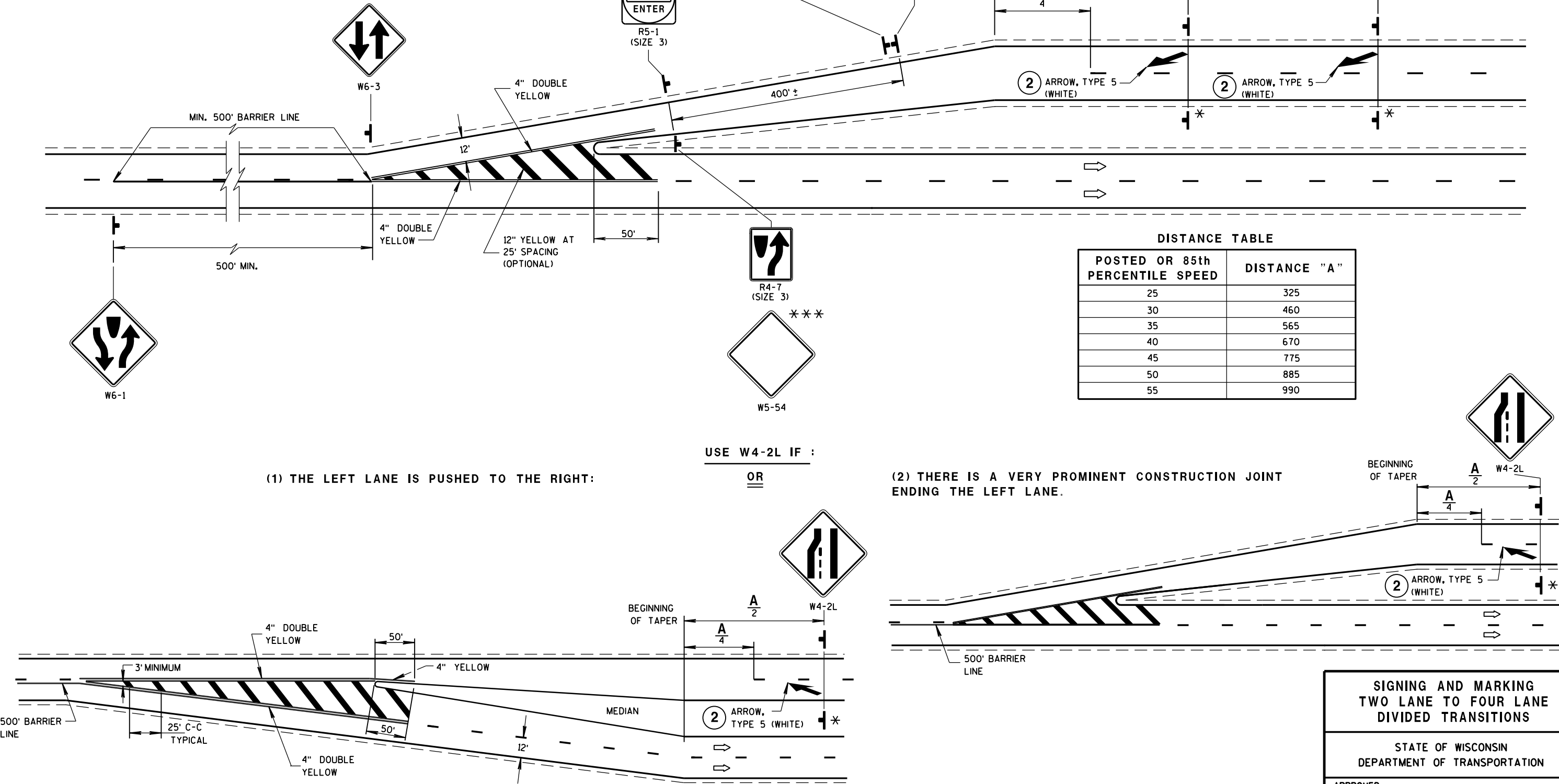
SIGNING AND MARKING IS SHOWN AS TYPICAL PLACEMENT. FIELD CONDITIONS MAY DICTATE CHANGES IN SIGNING AND MARKING PLACEMENT.

A DISTANCE DEPENDENT ON SPEED (SEE TABLE)

- 1 WRONG WAY PREVENTION SIGNS ARE DISCUSSED IN T G M 2-15-12
- 2 OPTIONAL - USED ONLY WHEN APPROVED BY REGION TRAFFIC ENGINEER.

SYMBOLS

- * OPTIONAL SIGNS
- ** SIGNS MAY BE OMITTED IF SPACE DOES NOT PERMIT
- *** IF POSTED SPEED 45 MPH OR GREATER, PLACE W5-54 SIGN UNDER R4-7 SIGN. MOUNT W5-54 SIGN AT 4' MOUNTING HEIGHT (TOP OF ROADWAY TO BOTTOM OF SIGN)
- POST MOUNTED SIGN
- DIRECTION OF TRAFFIC FLOW



POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
25	325
30	460
35	565
40	670
45	775
50	885
55	990

(1) THE LEFT LANE IS PUSHED TO THE RIGHT:

USE W4-2L IF :
OR

(2) THERE IS A VERY PROMINENT CONSTRUCTION JOINT
ENDING THE LEFT LANE.

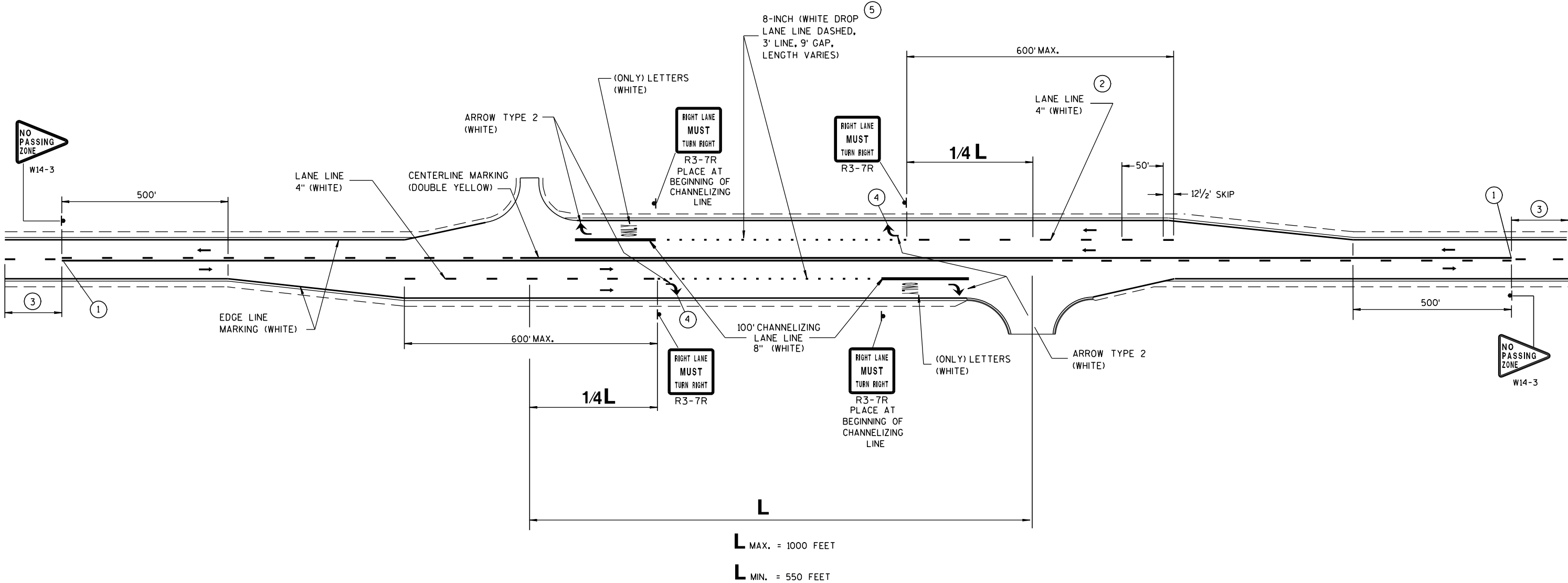
SIGNING AND MARKING
TWO LANE TO FOUR LANE
DIVIDED TRANSITIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

GENERAL NOTES

- 1 BARRIER LINE STARTS AT 500 FEET PRIOR TO THE BYPASS TAPER.
- 2 PLACE R3-7R SIGNS AT BEGINNING OF WHITE DROP LANE LINE DASHED AND WHITE CHANNEL LINE.
- 3 IF THE DISTANCE BETWEEN TWO SUCCESSIVE NO PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE TWO ZONES.
- 4 REQUIRED ONLY WHEN SPECIFIED IN THE PLANS.
- 5 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

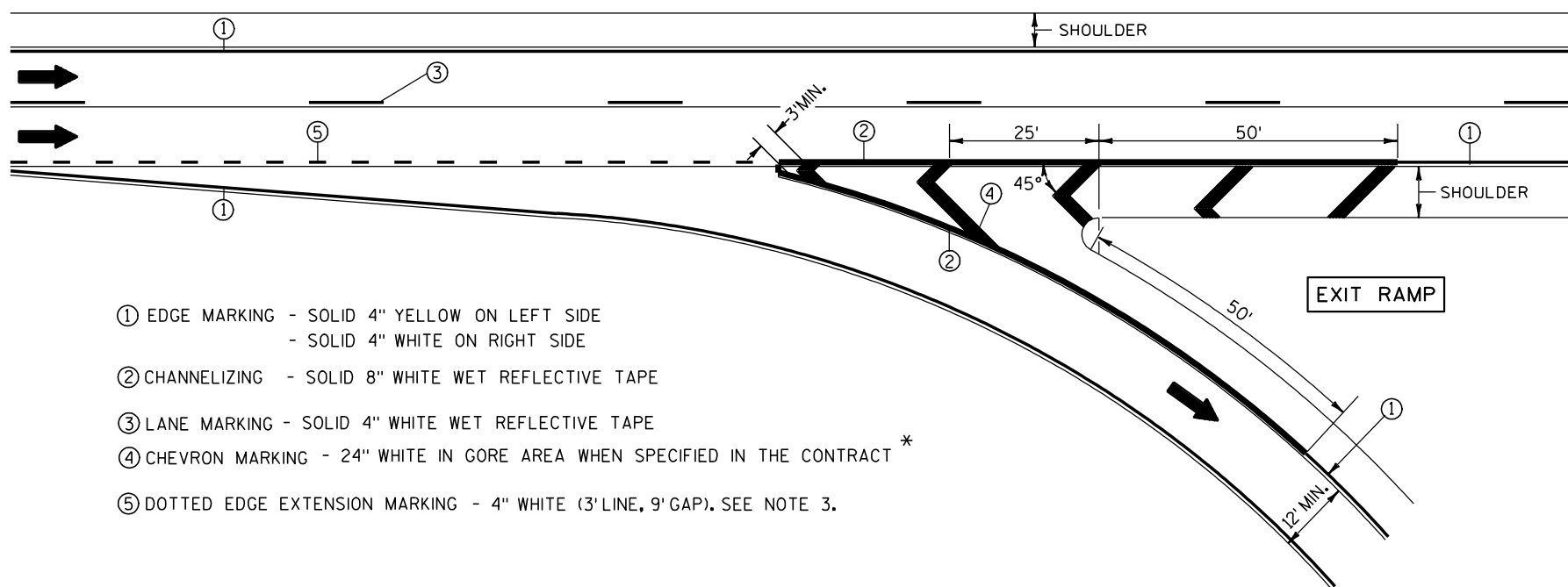


LEGEND
↔ DIRECTION OF TRAFFIC

SIGNING AND MARKING
FOR COMBINATION RIGHT TURN
AND BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-10 /S/ Thomas N. Notbohm
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

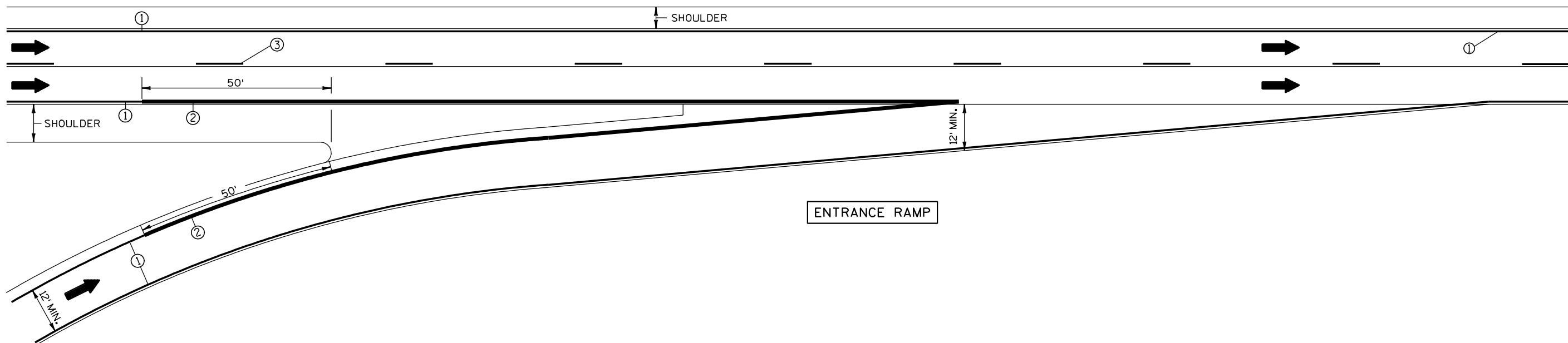


- ① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE
- ② CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE
- ③ LANE MARKING - SOLID 4" WHITE WET REFLECTIVE TAPE
- ④ CHEVRON MARKING - 24" WHITE IN GORE AREA WHEN SPECIFIED IN THE CONTRACT *
- ⑤ DOTTED EDGE EXTENSION MARKING - 4" WHITE (3' LINE, 9' GAP). SEE NOTE 3.

NOTES:

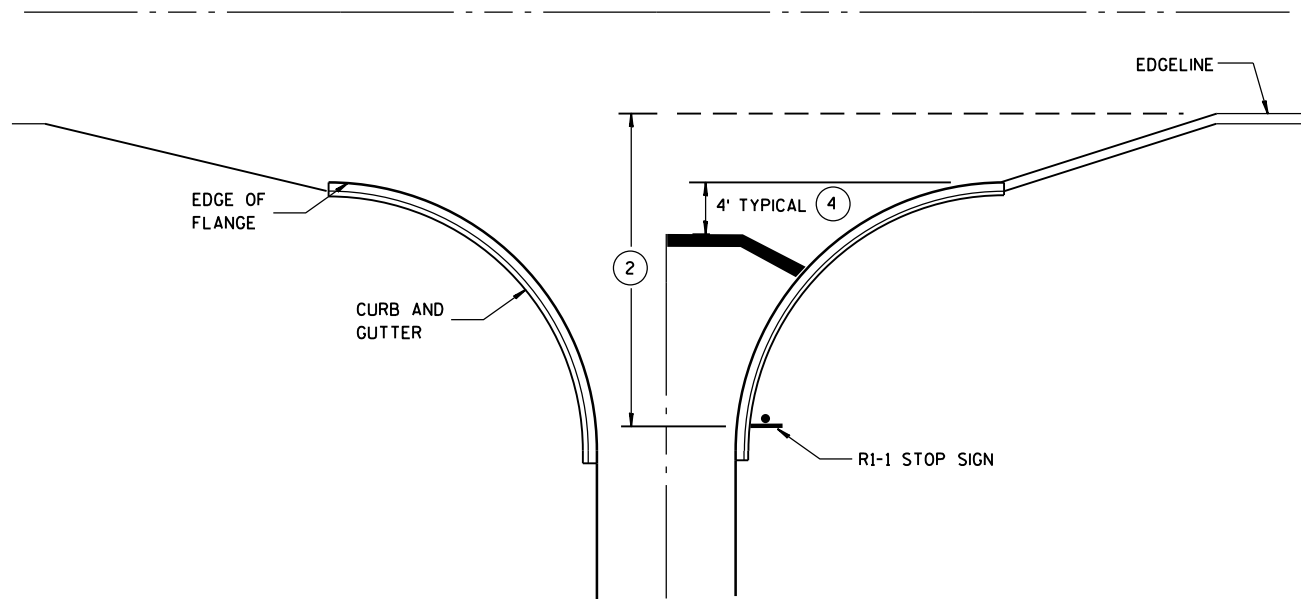
- 1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
- 2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.
- 3. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- 4. RETRACE EXISTING DIAGONAL MARKINGS.

* REFER TO DESIGN NOTES.

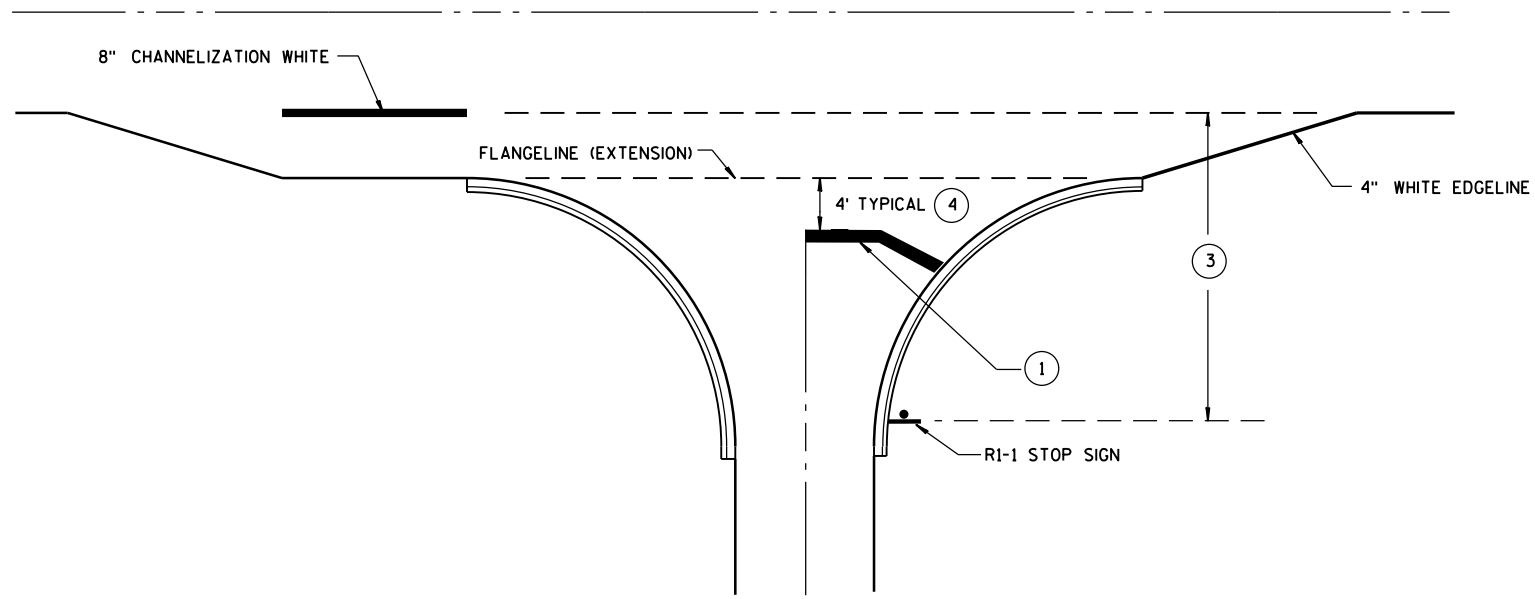


PAVEMENT MARKING
(RAMPS AND GORES)

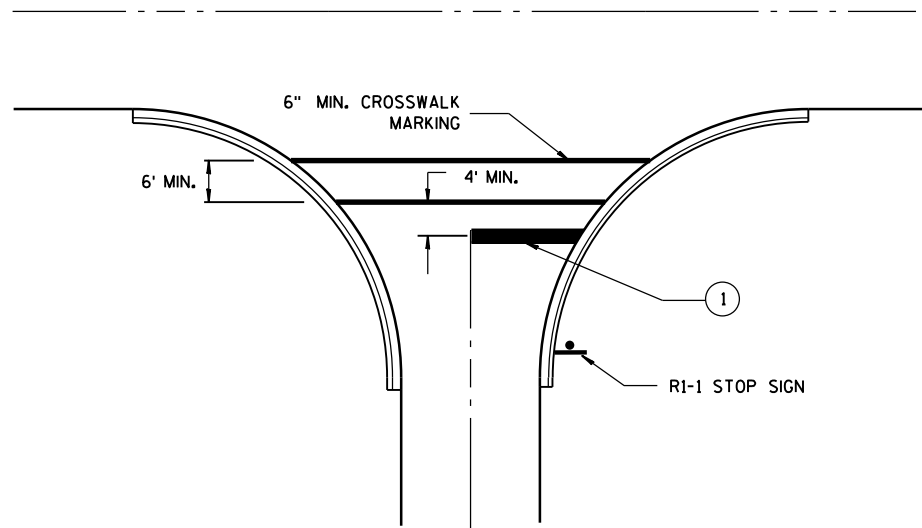
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



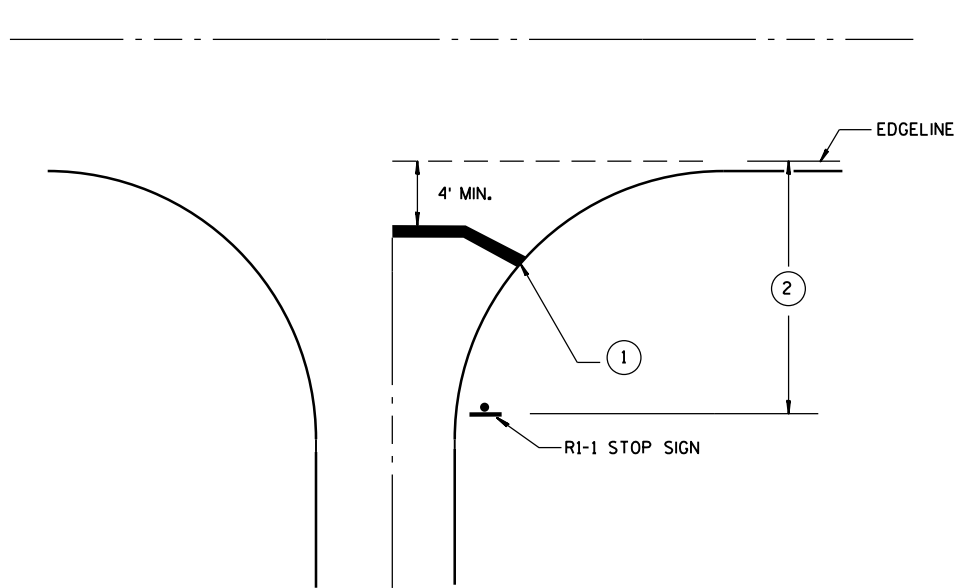
TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER



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 EDGE LINE 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	



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