

LAX

PROJECT ID: 1009-12-92

COUNTY: VARIOUS COUNTIES

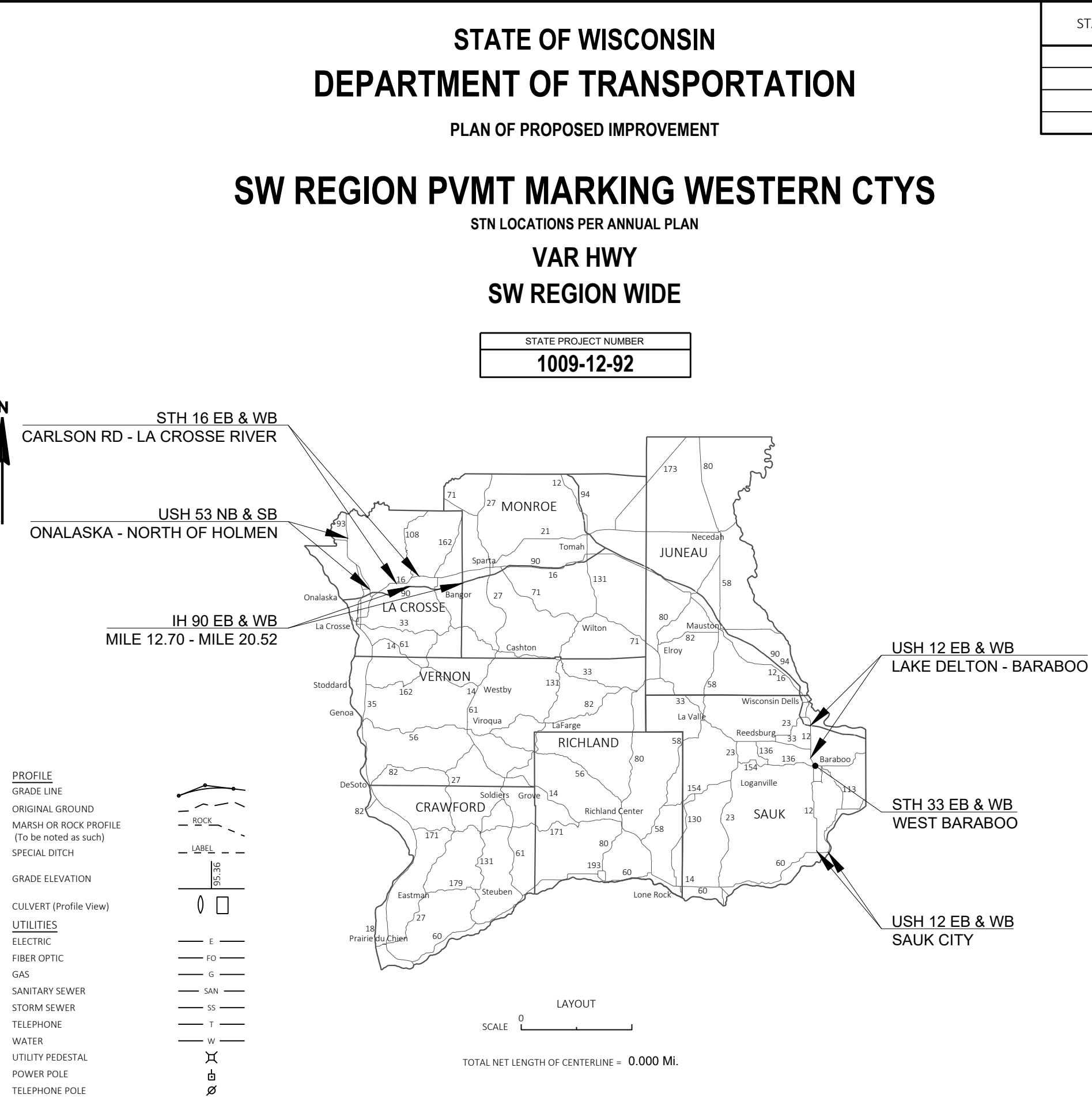
APRIL 2019

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 = 30		



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

CONVENTIONAL SYMBOLS	
<u>PLAN</u>	
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	



STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-12-92		

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	IVER PETERSON
Designer	
Project Manager	
Regional Examiner	SW Region
Regional Supervisor	RICK VYDRZAL
APPROVED FOR THE DEPARTMENT	
DATE: 11/28/2018	(Signature)

GENERAL NOTES

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS 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.

DESIGN CONTACTS

PROJECT MANAGER
IVER R. PETERSON
WISDOT SW REGION
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
608-785-9060
iver.peterson@dot.wi.gov

PROJECT SUPERVISOR
RICHARD VYDRZAL
WISDOT SW REGION
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
608-785-9043



Estimate Of Quantities

1009-12-92

Line	Item	Item Description	Unit	Total	Qty
0002	619.1000	Mobilization	EACH	1.000	1.000
0004	643.5000	Traffic Control	EACH	1.000	1.000
0006	646.1020	Marking Line Epoxy 4-Inch	LF	766,769.000	766,769.000
0008	646.3020	Marking Line Epoxy 8-Inch	LF	43,325.000	43,325.000
0010	646.5020	Marking Arrow Epoxy	EACH	149.000	149.000
0012	646.5120	Marking Word Epoxy	EACH	22.000	22.000
0014	646.5420	Marking Aerial Enforcement Bar Epoxy	EACH	30.000	30.000
0016	646.6120	Marking Stop Line Epoxy 18-Inch	LF	1,382.000	1,382.000
0018	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	527.000	527.000
0020	646.7120	Marking Diagonal Epoxy 12-Inch	LF	3,181.000	3,181.000
0022	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	556.000	556.000
0024	646.8020	Marking Corrugated Median Epoxy	SF	1,620.000	1,620.000
0026	646.8120	Marking Curb Epoxy	LF	555.000	555.000
0028	646.8220	Marking Island Nose Epoxy	EACH	61.000	61.000
0030	646.8320	Marking Parking Stall Epoxy	LF	2,506.000	2,506.000
0032	SPV.0090	Special 01. Marking Crosswalk Epoxy Transverse Line 12-Inch	LF	2,773.000	2,773.000

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)							646.3020			646.6120	646.7120	SPV.0090.01
LA CROSSE COUNTY (Onalaska - North of Holmen)							8-INCH CHANNELIZING WHITE (MAINLINE)	8-INCH CHANNELIZING WHITE (RAMP)	8-INCH CHANNELIZING WHITE (ISLAND GORE)	18-INCH STOP LINE WHITE	12-INCH DIAGONAL YELLOW	12-INCH CROSSWALK WHITE
HIGHWAY	LOCATION (From)	LOCATION (To)	4-INCH EDGELINE YELLOW L.F.	4-INCH LANELINE WHITE L.F.	4-INCH MINI DASHES WHITE L.F.	4-INCH EDGELINE WHITE L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.
USH 53 NB	STH 157 Main Street (Onalaska)	STH 35 South Junction (Holmen)	26788	6697	471	19785						
	STH 35 South Junction (Holmen)	211' So of Old 93 Rd (end of 4-lane)	29553	6787	318	22573						
	STH 157	On Ramp	814			2230	872	860				109
	Sand Lake Rd	Off Ramp	1105			1219	280	251	200	29		
	Sand Lake Rd	On Ramp	865			2250	828	809				
	CTH OT	Off Ramp	1187			2064	183	180	43	40		
	CTH OT	On Ramp	969			2444	828	809				
	CTH HD (STH 35 SB)	Off Ramp	1676			2983	250	617	275	23		
	CTH HD	On Ramp	895			2270	650	635				
	CTH MH (McHugh Road)	Off Ramp	1380			2255	197	168		43		
	CTH MH (McHugh Road)	On Ramp	1175			2521	745	729				
	STH 35 North Junction (Holmen)	Off Ramp	1089			2013	297	269	44	41		
	STH 35 North Junction (Holmen)	On Ramp	1003			2422	826	796				
USH 53 SB	211' So of Old 93 Rd (end of 4-lane)	STH 35 South Junction (Holmen)	29710	7045	412	23977					829	
	STH 35 South Junction (Holmen)	STH 157 Main Street (Onalaska)	26399	6600	450	17499						
	STH 35 North Junction (Holmen)	Off Ramp	1018			1502	235	223	38	40		
	STH 35 North Junction (Holmen)	On Ramp	788			2480	802	789				
	CTH MH (McHugh Road)	Off Ramp	1405			1846	194	188		21		
	CTH MH (McHugh Road)	On Ramp	1087			2750	607	601				
	CTH HD (STH 35 SB)	Off Ramp	1854			2604	189	166		25		
	CTH HD	On Ramp (Loop Ramp)	1471			3623	749	924				
	CTH HD	On Ramp	772			2462	884	1032				
	CTH OT	Off Ramp	835			1685	245	246	48	40		
	CTH OT	On Ramp	1013			2412	882	847				
	Sand Lake Rd	Off Ramp	1232			2096	248	217	55	40		
	Sand Lake Rd	On Ramp	920			2298	834	821				
	STH 157	Off Ramp	816			1777	345	326	96	14		80
Sub Totals			137819	27129	1651	136040	12170	12503	799	356	829	189

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PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			646.1020				646.3020								
LA CROSSE COUNTY (Carlson Rd - La Crosse River)			4-INCH EDGE LINE YELLOW L.F.	4-INCH CENTERLINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	4-INCH EDGE LINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	646.5020 ARROWS TYPE 2 WHITE EACH	646.5120 WORDS "ONLY" WHITE EACH	646.6120 18-INCH STOP LINE WHITE L.F.	646.7120 12-INCH DIAGONAL YELLOW L.F.	646.8020 CORRUGATED MEDIAN YELLOW S.F.	646.8120 CURB YELLOW L.F.	646.8220 ISLAND NOSE YELLOW EACH	SPV.0090.01 12-INCH CROSSWALK WHITE L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)													
STH 16 EB	Carlson Rd (West of West Salem)	La Crosse River Bridge (West Salem)	9103	6004	3239	13341				29			10	1	
STH 16 EB	Carlson Rd (Park Entrance)														
STH 16 EB	Heritage Ln (Left Turn Lane)														
STH 16 EB	Heritage Ln														
STH 16 EB	Heritage Blvd (Left Turn Lane)						147	1		28			10	1	
STH 16 EB	Heritage Blvd														
STH 16 EB	CTH M (Left Turn Lane)														
CTH M NB	STH 16														
STH 16 EB	Two Way Left Turn Lane (CTH M to West Ave)							10		31			10	1	
STH 16 EB	West Ave (Right Turn Lane)														
STH 16 EB	West Ave (Left Turn Lane)														
West Ave NB	STH 16														
STH 16 EB	Brickl Rd (Left Turn Lane)						205	2	1	48			10	1	175
W. Hamlin Street	STH 16														
STH 16 EB	Two Way Left Turn Lane (W Hamlin St to CTH C)						106	2		31			10	1	
STH 16 EB	CTH C (Right Turn Lane)														
CTH C NB	STH 16														
STH 16 EB	Two Way Left Turn Lane (CTH C to STH 108)														
STH 16 EB	STH 108 (Left Turn Lane)						233	6	1				10	1	
STH 16 EB	STH 108 (Left Turn Lane)														
STH 16 EB	Two Way Left Turn Lane (STH 108 to La Crosse River)														
STH 16 WB	La Crosse River Bridge (West Salem)	Carlson Rd (West of West Salem) Begin of Divided Highway Median	9061	5672	3321	13446					153	1620	10	1	
STH 16 WB	East of La Crosse River Bridge														
STH 16 WB	La Crosse River to STH 108														
STH 16 WB	STH 108 (Left Turn Lane)														
STH 16 WB	STH 108 (Right Turn Lane)						140	2	1				10	1	
STH 108 SB	STH 16	Median								33			10	1	
STH 16 WB	STH 108 to CTH C														
STH 16 WB	CTH C (Left Turn Lane)														
STH 16 WB	Two Way Left Turn Lane (CTH C to W Hamlin St)														
STH 16 WB	Hamlin Street (Left Turn Lane)						149	2	1	36			10	1	185
Brickl Road	STH 16														
STH 16 WB	West Ave (Left Turn Lane)	Median					183	2	1	50	100		10	1	190
STH 16 WB	West Ave (Right Turn Lane)														
West Ave SB	STH 16														
STH 16 WB	Griswold Ave to CTH M														
STH 16 WB	CTH M (Left Turn Lane)						142	2	1	36			10	1	166
CTH M SB	STH 16														
STH 16 WB	Heritage Blvd (Left Turn Lane)						82	1		28			10	1	
STH 16 WB	Heritage Blvd														
STH 16 WB	Heritage Ln (Left Turn Lane)														
STH 16 WB	Heritage Ln														
STH 16 WB	Carlson Rd Right Turn Lane														
STH 16 WB	Carlson Rd Left Turn Lane														
Sub Totals			18164	11676	6560	26787	2832	51	10	647	253	1620	255	23	1492

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PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)

LA CROSSE COUNTY (Mile 12.70 - Mile 20.52)

HIGHWAY	LOCATION (From)	LOCATION (To)	646.1020				646.3020			646.5420	646.6120	646.8320
			4-INCH EDGE LINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	4-INCH MINI DASHES WHITE L.F.	4-INCH EDGE LINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (RAMP) L.F.	8-INCH CHANNELIZING WHITE (RAMP INTERIOR) L.F.	AERIAL ENFORCEMENT BAR WHITE EACH	18-INCH STOP LINE WHITE L.F.	4-INCH PARKING STALLS WHITE L.F.
IH 90 EB	Mile 12.70 (West Salem)	Mile 20.52 (La Crosse County / Monroe County Line)	41304	10326	327	39638						
	Exit 15	Off Ramp to STH 162	1322			1273	391	391	51		43	
	Exit 15	On Ramp from STH 162	1198			1163	1261	1261				
	Mile 20 Rest Area (Auto Side)	Off Ramp	892			335	238	239	174			
	Mile 20 Rest Area (Auto Side)	On Ramp	1439			526			145			1282
	Mile 20 Rest Area (Truck Side)	Off Ramp	373			1822			174			
	Mile 20 Rest Area (Truck Side)	On Ramp	614			2379			145			1224
IH 90 WB	Mile 20.52 (La Crosse County / Monroe County Line)	Mile 12.70 (West Salem)	41300	10325	168	39340						
	Exit 15 Off Ramp STH 162		1123			1248	410	410	66		42	
	Exit 15 On Ramp STH 162		1280			1242	1274	1274				
	Mile 14.00 (Near Bangor)	Mile 13.50								10		
Sub Totals			90845	20651	495	88966	3574	3575	755	10	85	2506

PAVEMENT MARKING EPOXY (UNDIVIDED HIGHWAYS)

SAUK COUNTY (Sauk City)

HIGHWAY	LOCATION (From)	LOCATION (To)	646.1020				646.3020			646.5020	646.5120	646.6120	646.7120		646.7420	646.8120	646.8220
			4-INCH EDGE LINE YELLOW L.F.	4-INCH CENTERLINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	4-INCH EDGE LINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.	8-INCH CHANNELIZING WHITE (MINI DASHES) L.F.	ARROWS TYPE 2 WHITE EACH	WORDS "ONLY" WHITE EACH	18-INCH STOP LINE WHITE L.F.	12-INCH DIAGONAL WHITE L.F.	12-INCH DIAGONAL YELLOW L.F.	6-INCH CROSSWALK WHITE L.F.	CURB YELLOW L.F.	ISLAND NOSE YELLOW EACH
USH 12	STH 60 West Junction (East of Sauk City)	Wisconsin River Bridge															
USH 12 EB	Beginning of Divided Highway at STH 60	New Install (Median)	1300	21368	2698	23138							90	1144		10	1
USH 12 EB	STH 60 Right Turn Lane Island																
USH 12 EB	Frontage Rd Left Turn Lane						354			3	2					10	1
STH 60 WB	Richolson Rd Left Turn Lane	USH 12					184			2	1	45					
USH 12 WB	STH 60 Left Turn Lane						348			3	2					10	1
USH 12 WB	Beginning of Divided Highway at STH 60	New Install (Median)	1300					806						101		10	1
USH 12 EB	Beginning of Divided Highway at Lueders Rd													156		10	1
USH 12 EB	Lueders Rd Left Turn Lane						107		33	1	1	38				10	1
Lueders Rd	At 12 EB											21					
Lueders Rd	At 12 WB											21					
USH 12 WB	Lueders Rd Left Turn Lane						86		30	1	1	38				10	1
USH 12 EB	Two Way Left Turn Lane (Lueders Rd - Business Dr)									6						30	3
USH 12 WB	Business Dr Left Turn Lane						55			1			133				1
USH 12 EB	Two Way Left Turn Lane (Business Dr - Sycamore St)									6						30	3
USH 12 EB & WB	Sycamore St Island	Median														20	2
USH 12 EB	Two Way Left Turn Lane (Sycamore St - Spruce St)									12						30	3
USH 12 EB & WB	Spruce St Island	Median														80	2
USH 12 EB	Two Way Left Turn Lane (Spruce St - Dallas St)									2							
USH 12 EB	Dallas St Left Turn Lane						45			1				106			1
USH 12 WB	Dallas St Painted Island													50			1
USH 12 EB	Madsion St Left Turn Lane						91			1	1						
USH 12 WB	Madsion St Left Turn Lane						47			1							
USH 12 WB	Jefferson St Painted Island	Painted Median											55				1
USH 12 EB	Jefferson St Painted Island	Painted Median															1
USH 12 EB	John Adams St Island															10	1
USH 12 EB	STH 60/78 Left Turn Lane						71		28	1	1	42			163		
Water St NB	USH 12 EB											26			119		
STH 60/78	USH 12 WB						100			1	1	25			107		
USH 12 WB	Water St Left Turn Lane						38		22	1		38		50	133	20	2
USH 12 WB	STH 60/78 Right Turn Lane						30		26	1	1		50		34	10	1
Sub Totals			2600	21368	2698	23138	1556	806	139	44	11	294	140	1795	556	300	29

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PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS / ROUNDABOUTS)			646.1020					646.3020			
SAUK COUNTY (Lake Delton - Baraboo)			4-INCH EDGE LINE YELLOW L.F.	4-INCH CENTERLINE YELLOW L.F.	4-INCH LANELINE WHITE L.F.	4-INCH MINI DASHES WHITE L.F.	4-INCH EDGE 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.	8-INCH CHANNELIZING WHITE (MINI DASHES) L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)									
USH 12 EB	Mile Marker 212.18, North of BUS 12, CTH BD (Lake Delton)	Mile 217.45 (West of Baraboo)	27878				22586				
USH 12 EB	Exit 212, BUS 12, CTH BD (Fern Dell Rd)	Off Ramp	1044				1383	326	319		280
CTH BD NB	400 Feet South of CTH BD and Timothy Ln Roundabout	USH 12, Fern Dell Rd and CTH BD Roundabout	1260		187	302	732	400		207	
CTH BD SB	USH 12, Fern Dell Rd and CTH BD Roundabout	400 Feet South of CTH BD and Timothy Ln Roundabout			164	291	758	287		209	
Fern Dell Rd EB	250 Feet West of Fern Dell Rd, Moon Rd and Giebel Ct Roundabout	USH 12, Fern Dell Rd and CTH BD Roundabout	999	168	159	166	474	215		65	
Fern Dell Rd WB	USH 12, Fern Dell Rd and CTH BD Roundabout	250 Feet West of Fern Dell Rd, Moon Rd and Giebel Ct Roundabout	991		161	30	468	115		55	
Timothy Ln	250 Feet North of CTH BD and Timothy Ln Roundabout	CTH BD and Timothy Ln Roundabout	632				434	100		54	
Moon Rd	250 Feet North of Fern Dell Rd, Moon Rd and Giebel Ct Roundabout	Fern Dell Rd, Moon Rd and Giebel Ct Roundabout	189	368				95		65	
Giebel Ct	250 Feet South of Fern Dell Rd, Moon Rd and Giebel Ct Roundabout	Fern Dell Rd, Moon Rd and Giebel Ct Roundabout	331	146						56	
USH 12 EB	Exit 212, BUS 12, CTH BD (Fern Dell Rd)	On Ramp	830				2165				
USH 12 EB	Exit 214, N. Reedsburg Rd	Off Ramp	1001				1560				
N Reedsburg Rd EB	125 Feet West of the West Ramp Terminal Roundabout	150 feet East of the East Ramp Terminal Roundabout	580							144	
N Reedsburg Rd WB	150 feet East of the East Ramp Terminal Roundabout	125 Feet West of the West Ramp Terminal Roundabout	560							142	
USH 12 EB	Exit 214, N. Reedsburg Rd	On Ramp	1027				2367				
USH 12 EB	Exit 215, STH 33	Off Ramp	871				1438				
STH 33 EB	600 Feet West of the West Ramp Terminal Roundabout	East Ramp Terminal Roundabout								61	
STH 33 WB	East Ramp Terminal Roundabout	600 Feet West of the West Ramp Terminal Roundabout								120	
Pit Rd	250 Feet East of the East Ramp Terminal Roundabout	East Ramp Terminal Roundabout	629				394			61	
USH 12 EB	Exit 215, STH 33	On Ramp	931				2267				
USH 12 WB	Mile 217.45 (West of Baraboo)	Mile Marker 212.18 North of BUS 12, CTH BD (Lake Delton)	27562				22850				
USH 12 WB	Exit 215, STH 33	Off Ramp	869				1347				
USH 12 WB	Exit 215, STH 33	On Ramp	977				2318				
USH 12 WB	Exit 214, N. Reedsburg Rd	Off Ramp	1079				1622				
USH 12 WB	Exit 214, N. Reedsburg Rd	On Ramp	896				2225				
USH 12 WB	Exit 212, BUS 12, CTH BD (Fern Dell Rd)	Off Ramp	831				1390				
USH 12 WB	Exit 212, BUS 12, CTH BD (Fern Dell Rd)	On Ramp	1005				1454	454	457		329
Sub Totals			72972	682	671	789	70232	1992	776	1239	609
NOTE: Existing Wet Reflective Tape (Lane Lines and Channelizing Lines) Are To Remain											

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS / ROUNDABOUTS)										646.5420	646.6320	646.7120			646.8220	SPV.0090.01				
										646.5020				646.5120	AERIAL ENFORCEMENT BAR WHITE EACH	18-INCH DOTTED EXTENSION WHITE L.F.	12-INCH DIAGONAL YELLOW L.F.	ISLAND NOSE YELLOW EACH	12-INCH CROSSWALK WHITE L.F.	
SAUK COUNTY (Lake Delton - Baraboo)										ARROWS TYPE 1 WHITE EACH	ARROWS TYPE 2 WHITE EACH	ARROWS TYPE 2 R WHITE EACH	ARROWS TYPE 3 WHITE EACH	ARROWS TYPE 3 R WHITE EACH	ARROWS TYPE 5 WHITE EACH	WORDS "ONLY" WHITE EACH				
HIGHWAY	LOCATION (From)	LOCATION (To)																		
USH 12 EB	Exit 212, BUS 12, CTH BD (Fern Dell Rd)	Off Ramp		2				2		1										
CTH BD NB	400 Feet South of CTH BD and Timothy Ln Roundabout	USH 12, Fern Dell Rd and CTH BD Roundabout	8				5	2								1				
CTH BD SB	USH 12, Fern Dell Rd and CTH BD Roundabout	400 Feet South of CTH BD and Timothy Ln Roundabout	7				2	4	2											
Fern Dell Rd EB	250 Feet West of Fern Dell Rd, Moon Rd and Giebel Ct Roundabout	USH 12, Fern Dell Rd and CTH BD Roundabout	3				4	1									11	1		
Fern Dell Rd WB	USH 12, Fern Dell Rd and CTH BD Roundabout	250 Feet West of Fern Dell Rd, Moon Rd and Giebel Ct Roundabout		2				2												
Timothy Ln	250 Feet North of CTH BD and Timothy Ln Roundabout	CTH BD and Timothy Ln Roundabout		2		2											21	1		
Moon Rd	250 Feet North of Fern Dell Rd, Moon Rd and Giebel Ct Roundabout	Fern Dell Rd, Moon Rd and Giebel Ct Roundabout				2	2											1		
Giebel Ct	250 Feet South of Fern Dell Rd, Moon Rd and Giebel Ct Roundabout	Fern Dell Rd, Moon Rd and Giebel Ct Roundabout															10	1		
USH 12 EB	Exit 212, BUS 12, CTH BD (Fern Dell Rd)	On Ramp																		
USH 12 EB	Mile 213.54 (East of Lake Delton)	Mile 214.04																		
USH 12 EB	Exit 214, N. Reedsburg Rd	Off Ramp																		
N Reedsburg Rd EB	125 Feet West of the West Ramp Terminal Roundabout	150 feet East of the East Ramp Terminal Roundabout																		
N Reedsburg Rd WB	150 feet East of the East Ramp Terminal Roundabout	125 Feet West of the West Ramp Terminal Roundabout																		
USH 12 EB	Exit 214, N. Reedsburg Rd	On Ramp																		
USH 12 EB	Exit 215, STH 33	Off Ramp																		
STH 33 EB	600 Feet West of the West Ramp Terminal Roundabout	East Ramp Terminal Roundabout																		
STH 33 WB	East Ramp Terminal Roundabout	600 Feet West of the West Ramp Terminal Roundabout															2			
Pit Rd	250 Feet East of the East Ramp Terminal Roundabout	East Ramp Terminal Roundabout															1			
USH 12 WB	Exit 215, STH 33	Off Ramp															10	1		
USH 12 WB	Exit 214, N. Reedsburg Rd	Off Ramp																		
USH 12 WB	Exit 214, N. Reedsburg Rd	On Ramp																		
USH 12 WB	Mile 214.12 (East of Lake Delton)	Mile 213.62																		
USH 12 WB	Exit 212, BUS 12, CTH BD (Fern Dell Rd)	Off Ramp																		
Sub Totals			18	6	4	13	11	2	1	20	527	164	9	1092						

PROJECT NO: 1009-12-92	HWY: USH 12 EB & WB	COUNTY: SAUK	MISCELLANEOUS QUANTITIES	SHEET NO:	E
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PAVEMENT MARKING EPOXY (UNDIVIDED Highways)			646.1020	
SAUK COUNTY (West Baraboo)			4-INCH CENTERLINE YELLOW L.F.	4-INCH LANELINE WHITE L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)		
STH 33 EB	Mulberry St (West Baraboo)	560 Feet East of Hill St (West Baraboo)	3764	536
STH 33 WB	560 Feet East of Hill St (West Baraboo)	Mulberry St (West Baraboo)		536
Sub Totals			3764	1072

PAVEMENT MARKING EPOXY SUMMARY (LONG LINE)										
PAVEMENT MARKING EPOXY		646.1020					646.3020			
		4-INCH EDGELINE YELLOW L.F.	4-INCH CENTERLINE NO PASSING YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	4-INCH MINI-DASH WHITE L.F.	4-INCH EDGELINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (RAMPS) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.	8-INCH CHANNELIZING WHITE (MINI DASHES) L.F.
HIGHWAY	LOCATION									
USH 53	La Crosse County (Onalaska - North of Holmen)	137819		27129	1651	136040	12170	12503	799	
STH 16	La Crosse County (Carlson Rd - La Crosse River)	18164	11676	6560		26787	2832			
IH 90	La Crosse County (Mile 12.70 - Mile 20.52)	90845		20651	495	88966	3574	3575	755	
USH 12	Sauk County (Sauk City)	2600	21368	2698		23138	1556		806	139
USH 12	Sauk County (Lake Delton-Baraboo)	72972	682	671	789	70232	1992	776	1239	609
STH 33	Sauk County (West Baraboo)		3764	1072						
TOTALS		322400	37490	58781	2935	345163	22124	16854	3599	748
TOTAL 4-INCH						766769	TOTAL 8-INCH		43325	

PAVEMENT MARKING EPOXY SUMMARY (SPECIAL MARKING)

HIGHWAY	LOCATION	646.5020						646.5120	646.5420	646.6120	646.6320	646.7120		646.7420	646.8020	646.8120	646.8220	646.8320	SPV.0090.01	
		ARROWS TYPE 1 WHITE EACH	ARROWS TYPE 2 WHITE EACH	ARROWS TYPE 2 R WHITE EACH	ARROWS TYPE 3 WHITE EACH	ARROWS TYPE 3 R WHITE EACH	ARROWS TYPE 5 WHITE EACH	WORDS "ONLY" WHITE EACH	AERIAL ENFORCEMENT BAR WHITE EACH	18-INCH STOP LINE WHITE L.F.	18-INCH DOTTED EXTENSION WHITE L.F.	12-INCH DIAGONAL WHITE L.F.	12-INCH DIAGONAL YELLOW L.F.	6-INCH CROSSWALK WHITE L.F.	CORRUGATED MEDIAN YELLOW S.F.	CURB YELLOW L.F.	ISLAND NOSE YELLOW EACH	PARKING STALLS WHITE L.F.	12-INCH CROSSWALK WHITE L.F.	
USH 53	La Crosse County (STH 157-Old 93 Rd)									356			829						189	
STH 16	La Crosse County (Carlson-La Crosse River)		51					10		647			253		1620	255	23		1492	
IH 90	La Crosse County (Mile 12.70-Mile 20.52)								10	85								2506		
USH 12	Sauk County (Sauk City)		44					11		294		140	1795	556		300	29			
USH 12	Sauk County (Lake Delton to Baraboo)	18	6	4	13	11	2	1	20		527		164				9		1092	
TOTALS		18	101	4	13	11	2	22	30	1382	527	140	3041	556	1620	555	61	2506	2773	
Total Arrows							149	Total Diagonal												3181

PROJECT NO: 1009-12-92

HWY: VARIOUS

COUNTY: VARIOUS

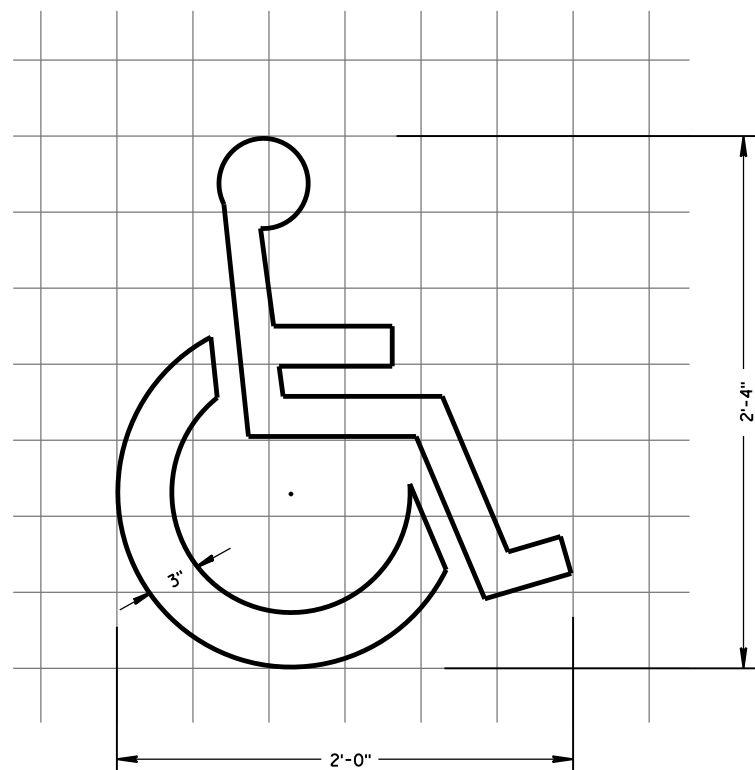
MISCELLANEOUS QUANTITIES

SHEET NO:

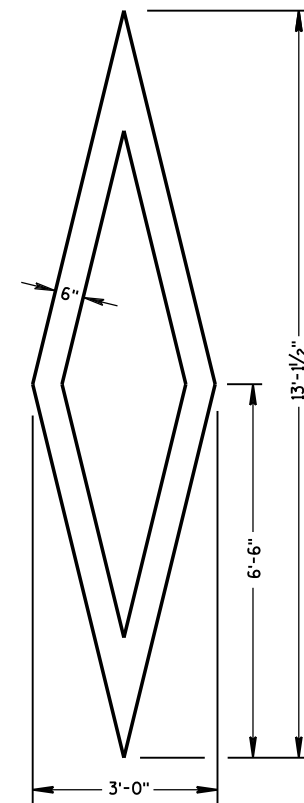
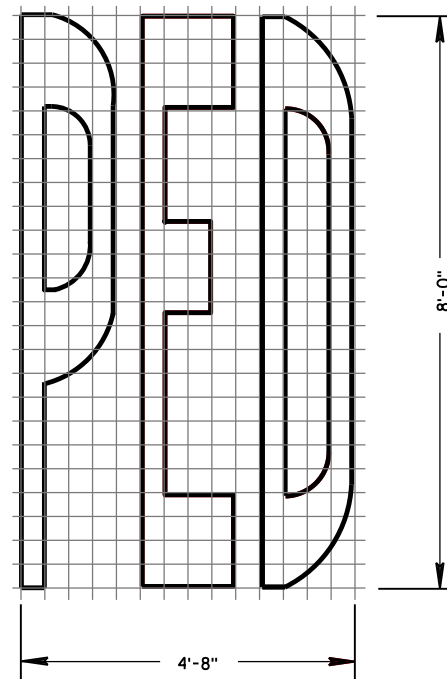
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Standard Detail Drawing List

15C07-14A	PAVEMENT MARKING SYMBOLS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C07-14D	ROUNDABOUT ARROWS
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C08-19B	PAVEMENT MARKING (TURN LANES)
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C14-03	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C18-04	MEDIAN ISLAND MARKING
15C19-05A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-05B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-05C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C20-02	YIELD MARKING
15C21-08	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C31-03A	PAVEMENT MARKING (RAMPS AND GORES)
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-03A	PAVEMENT MARKING (INTERSECTIONS)
15D37-02	TRAFFIC CONTROL, 2-LANE ROUNDABOUT



HANDICAP 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.

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

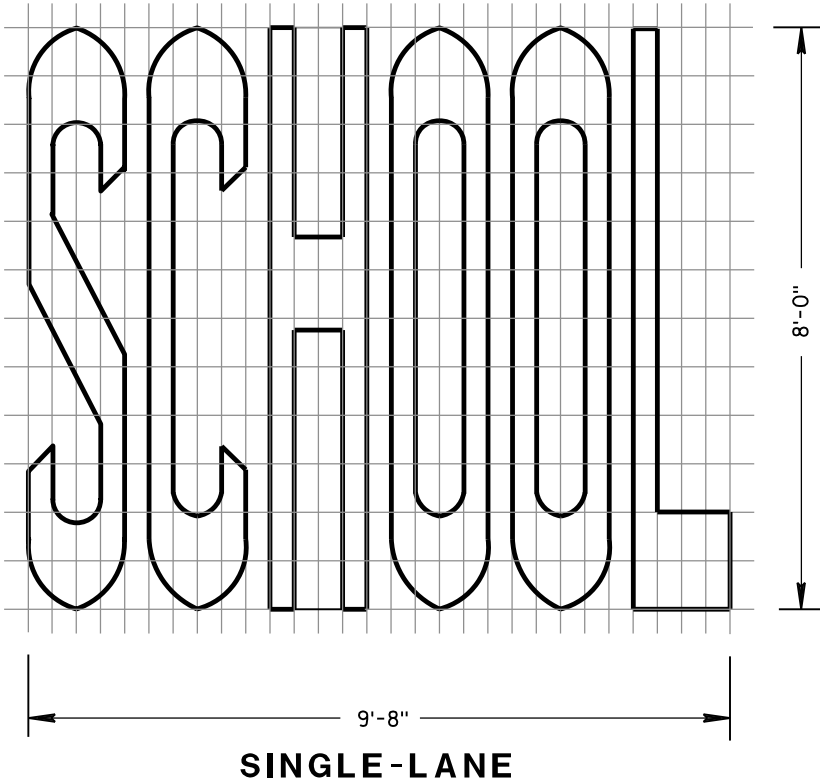
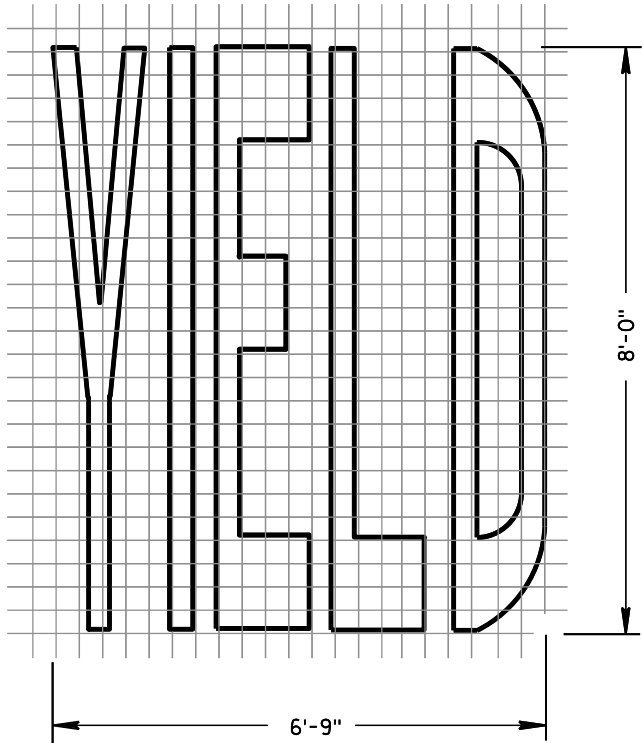
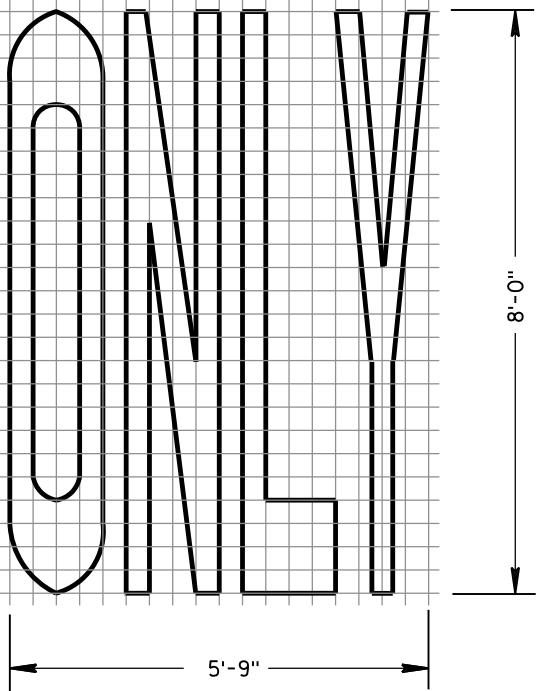
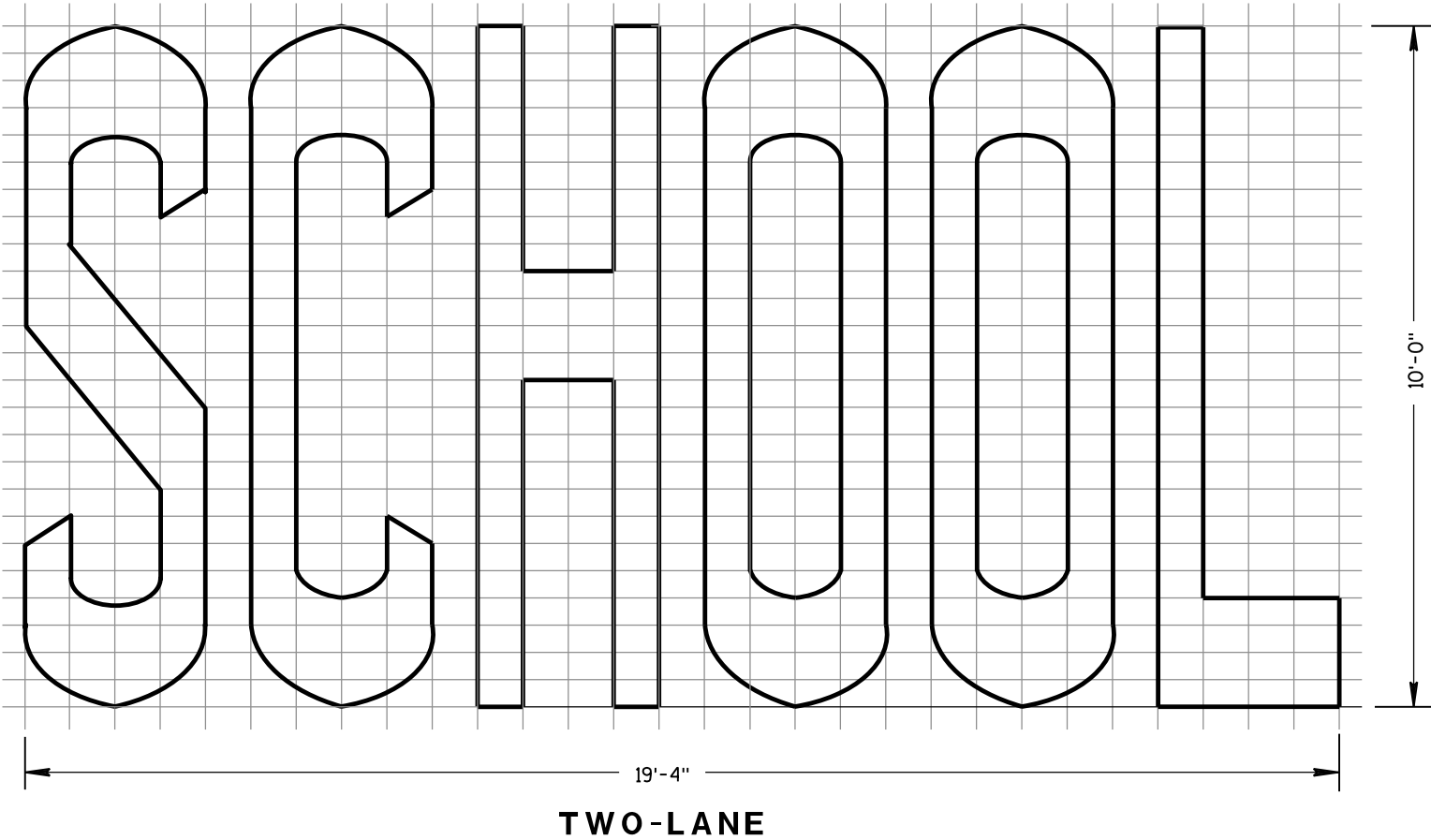
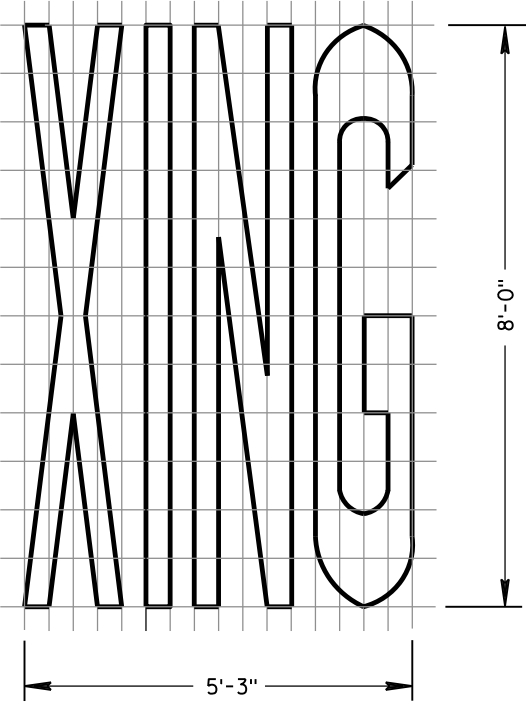
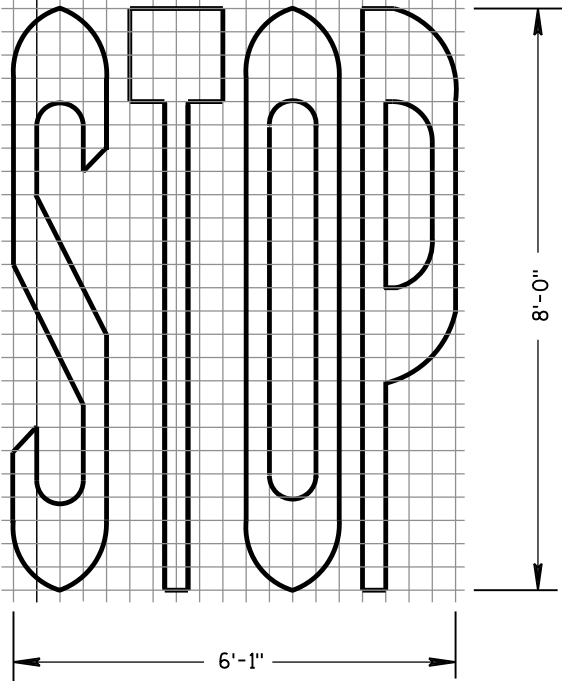
APPROVED

June 2017
DATE/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER

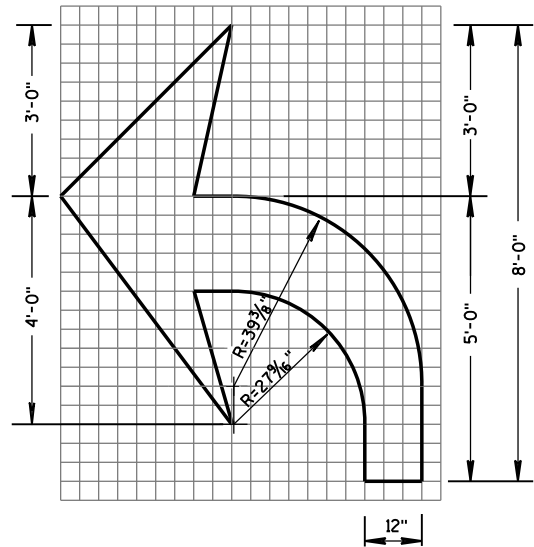
FHWA

GENERAL NOTES

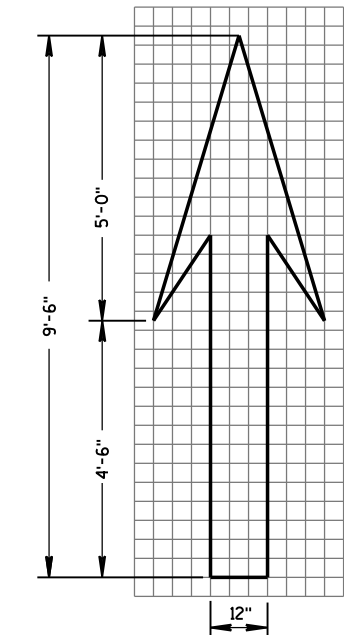
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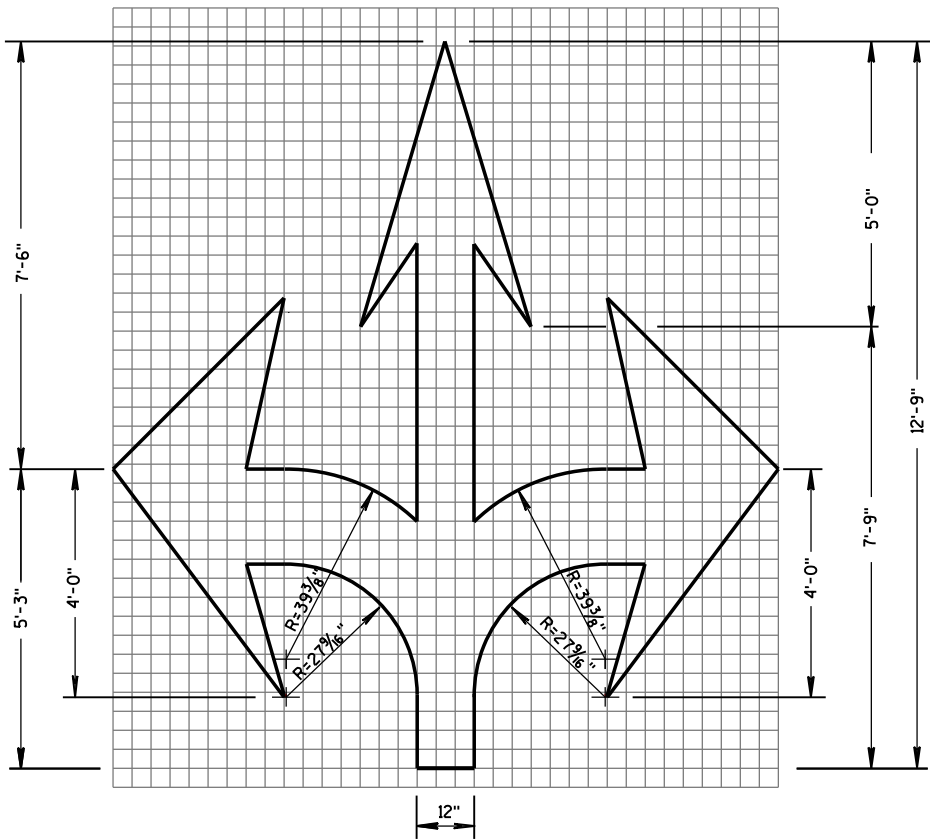
PAVEMENT MARKING WORDS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER
FHWA	



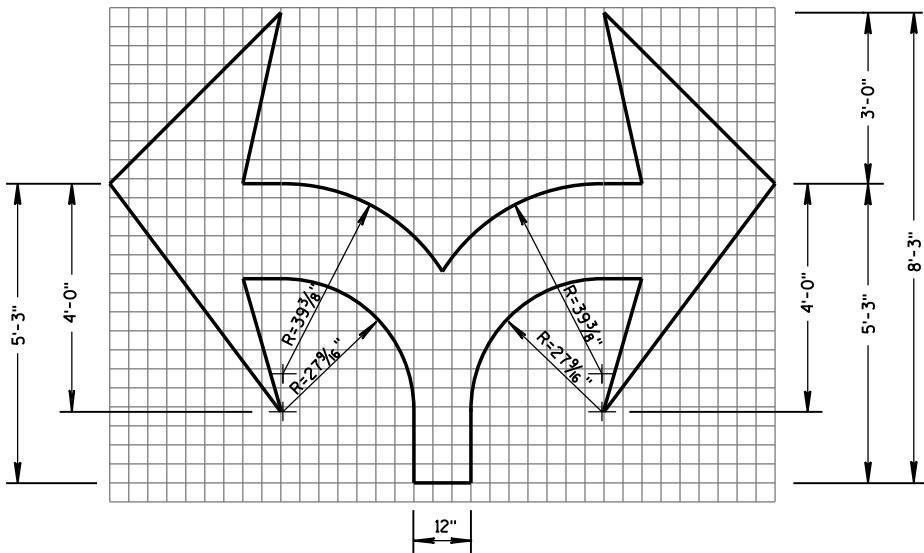
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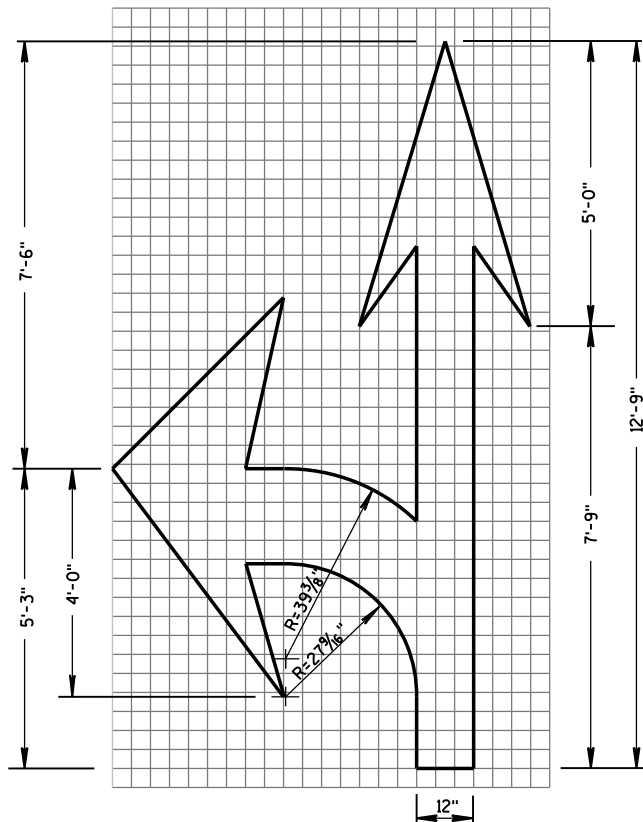
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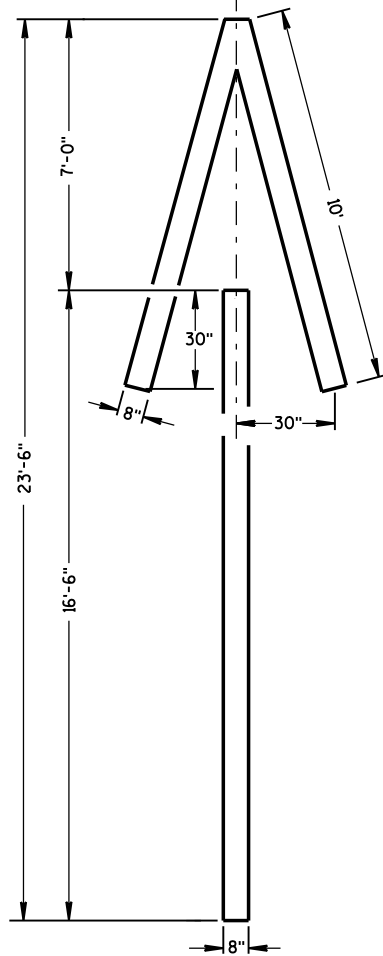
TYPE 6



TYPE 7



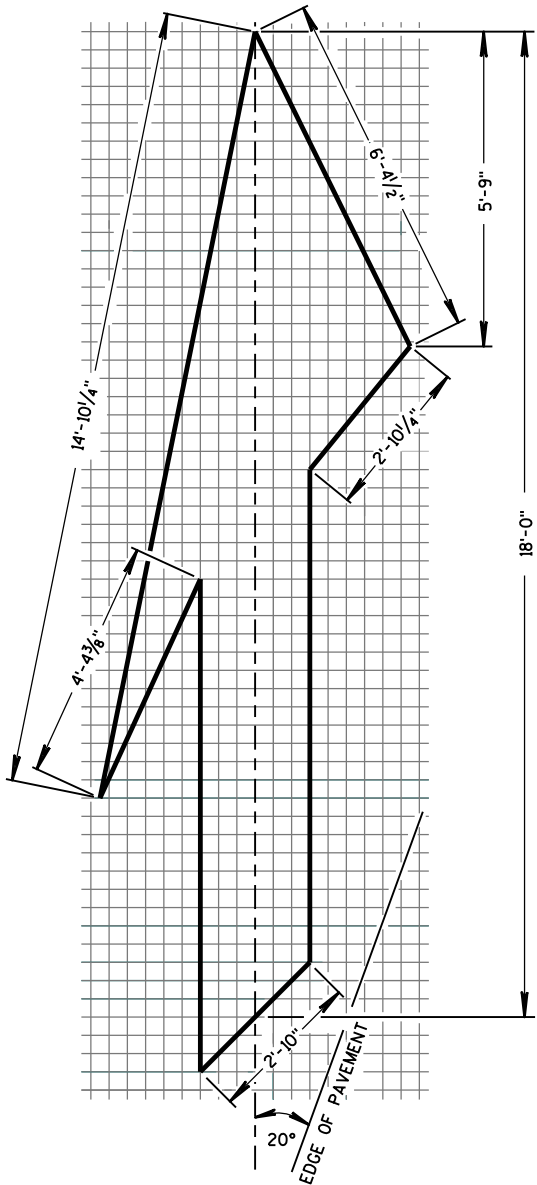
TYPE 3



TYPE 4

GENERAL NOTES

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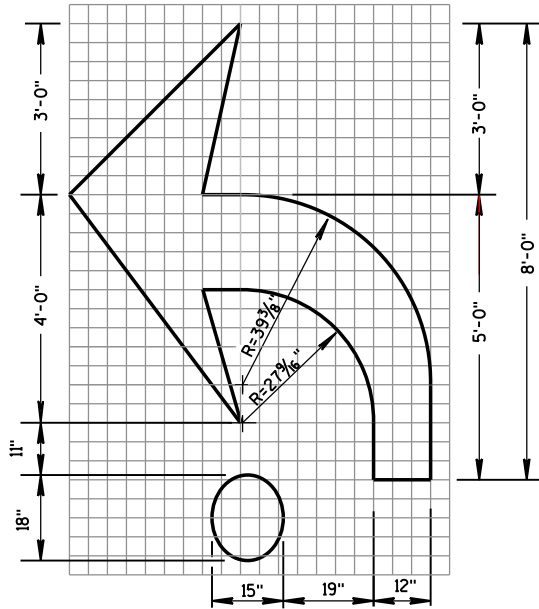


TYPE 5 LANE DROP ARROW

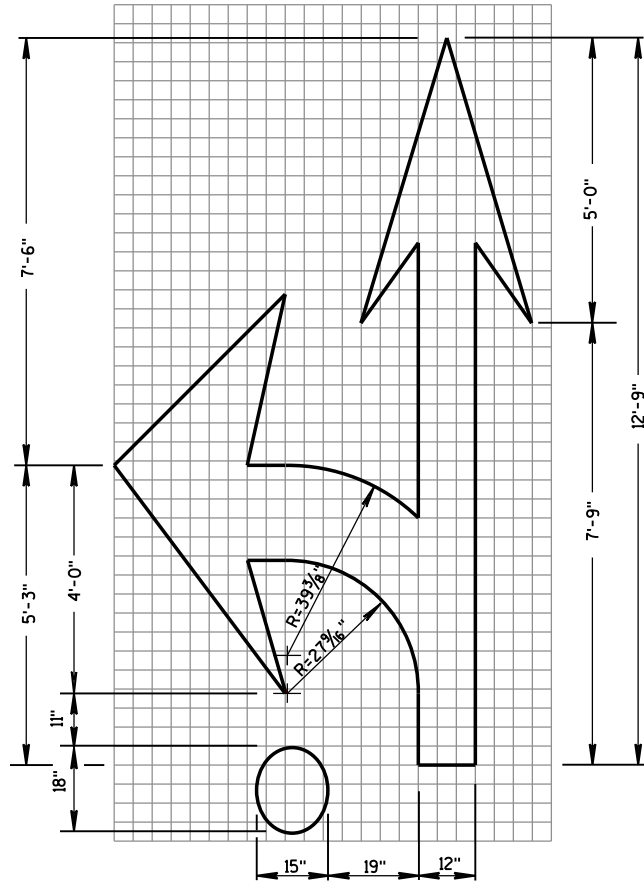
PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

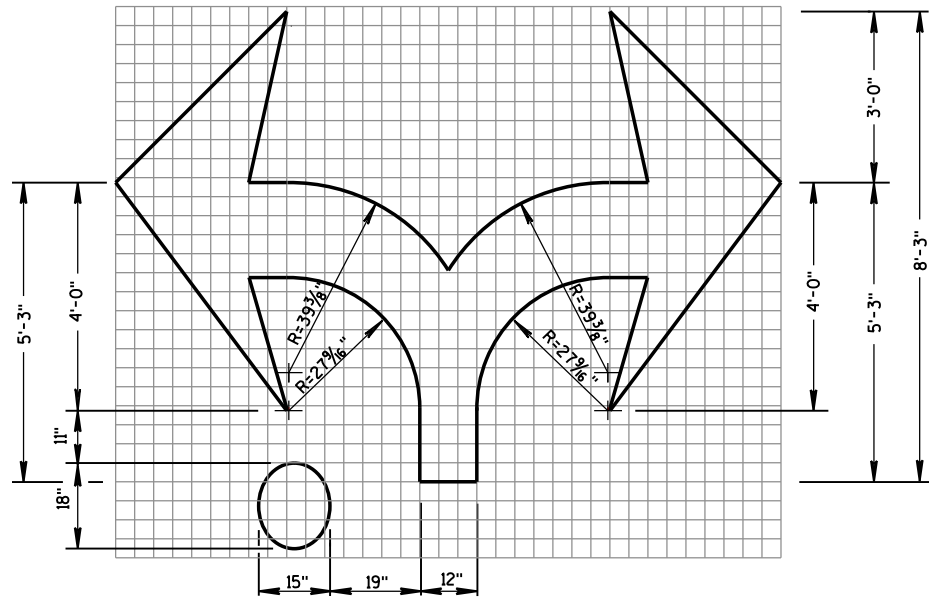
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TYPE 2R



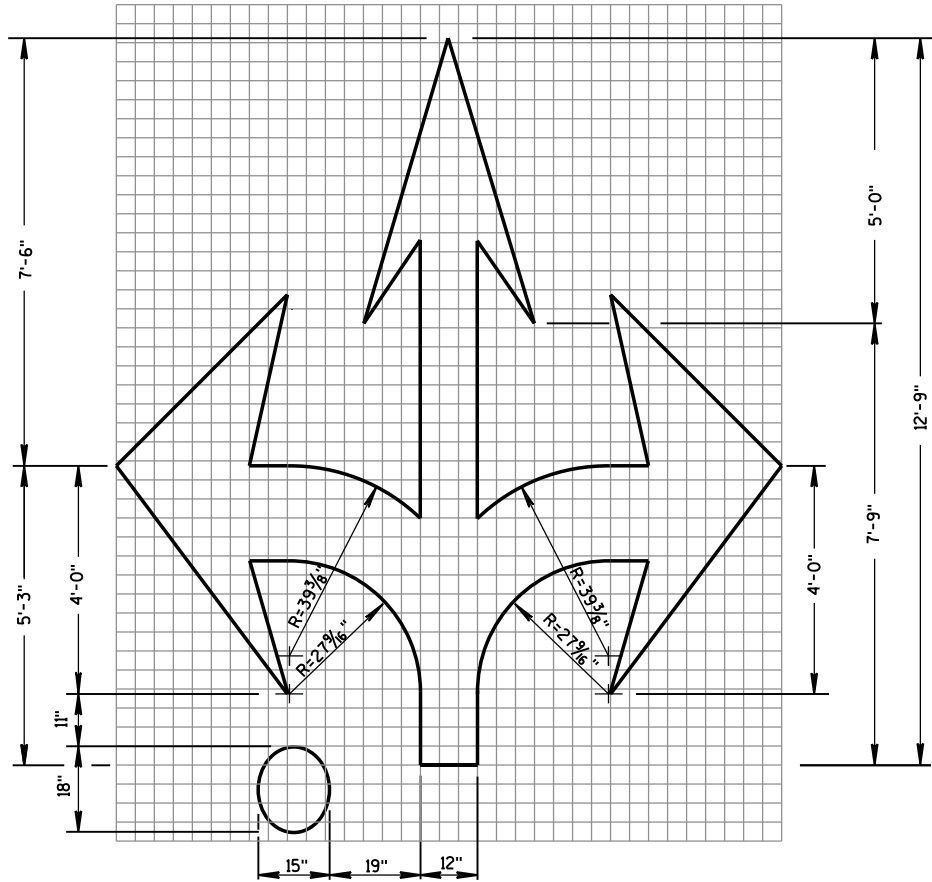
TYPE 3R



TYPE 7R

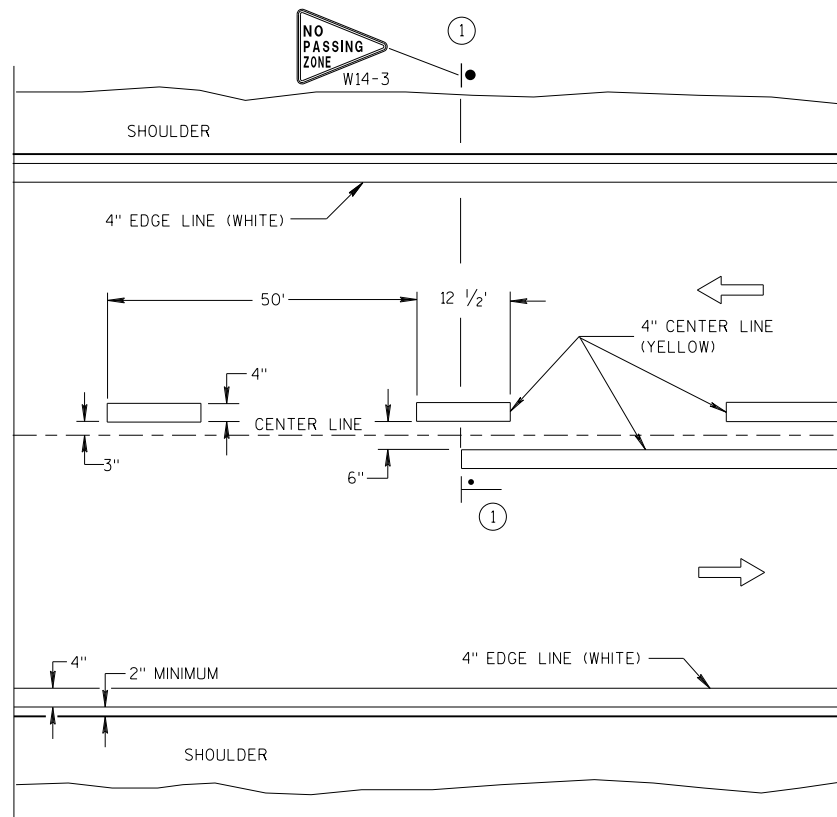
GENERAL NOTES

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.

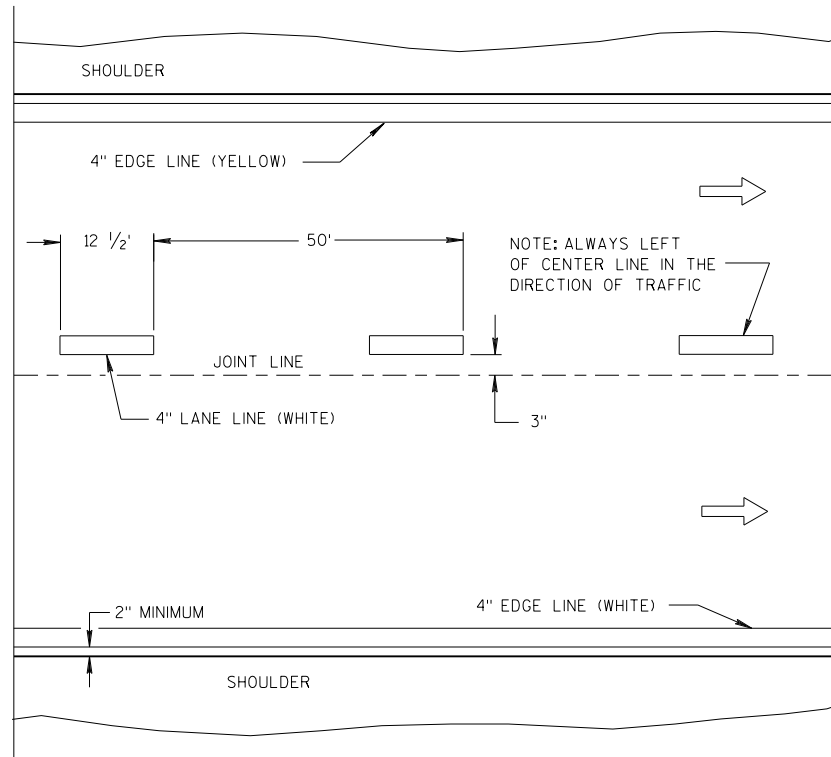


TYPE 6R

ROUNABOUT ARROWS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER
FHWA	

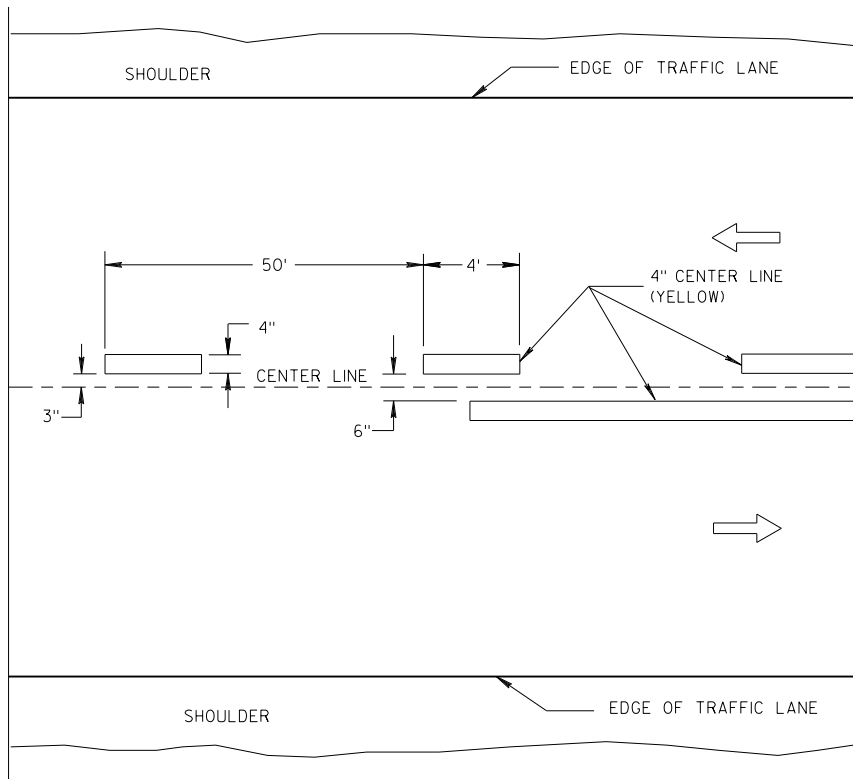


TWO WAY TRAFFIC

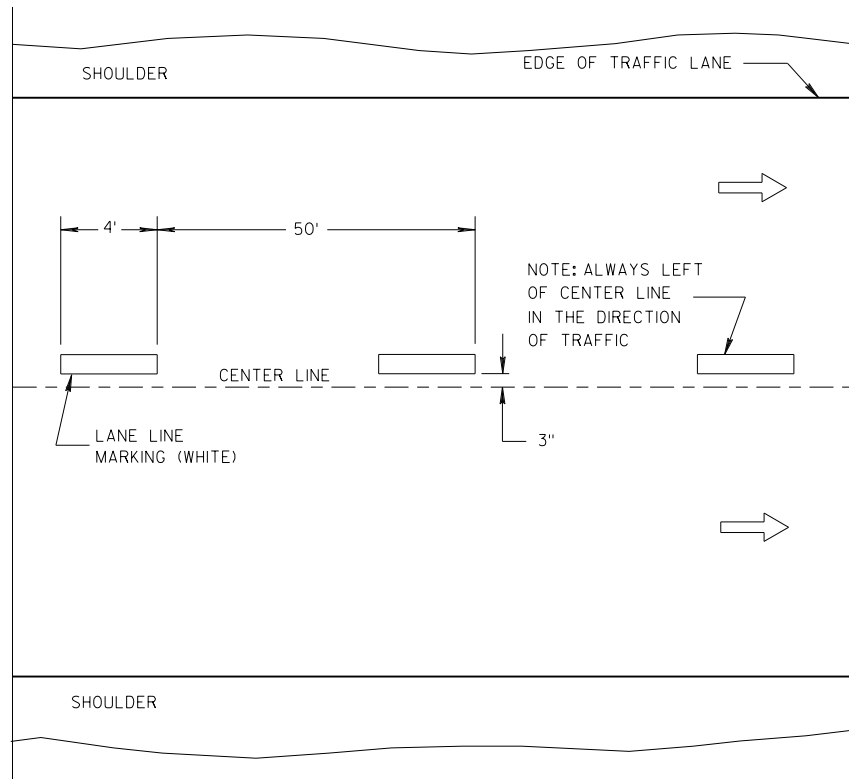


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

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

- ① LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

NOTE

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

LEGEND

- "T" MARKING
- POST MOUNTED SIGN

LONGITUDINAL MARKING
(MAINLINE)

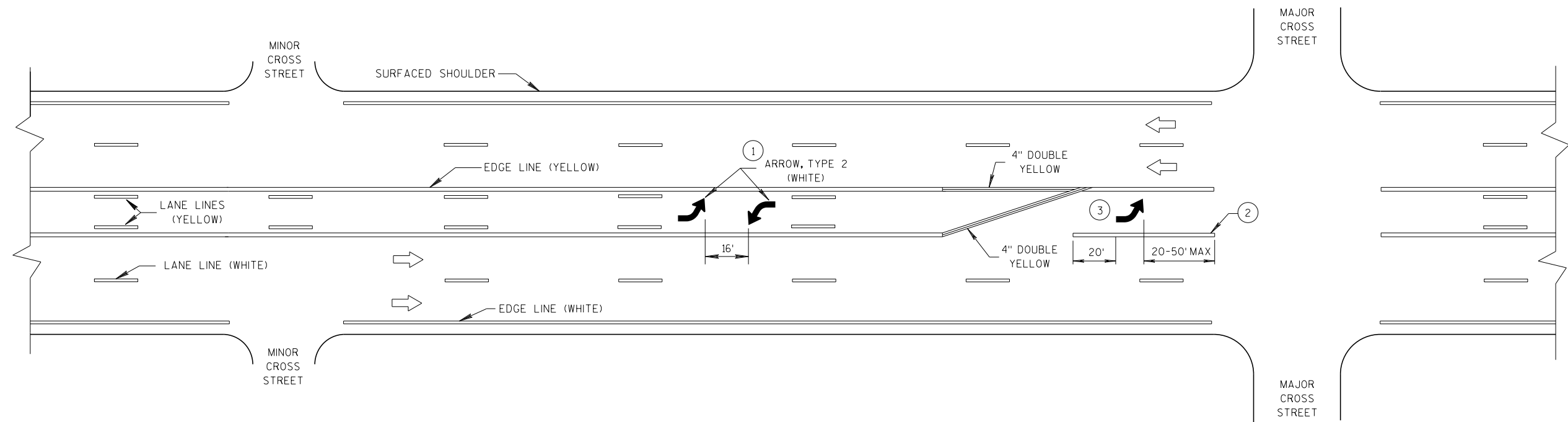
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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7/2018 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA

GENERAL NOTES

- ① A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- ② 8" WHITE
- ③ TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT

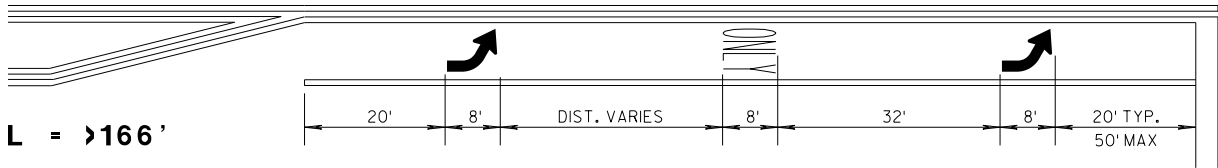
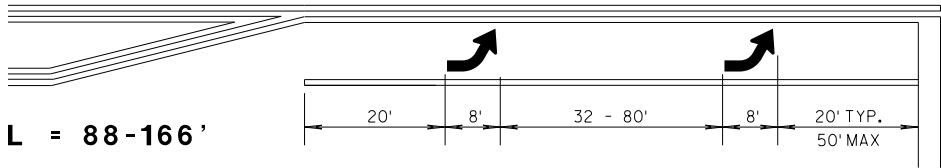
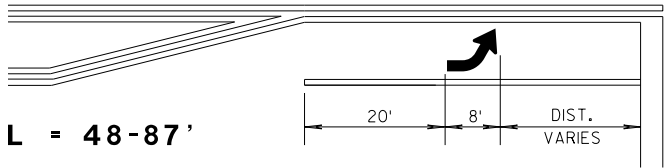
➔ DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

TURN LANE OPTIONS

LENGTH OF TURN BAY (L) OF 0-47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



*(SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

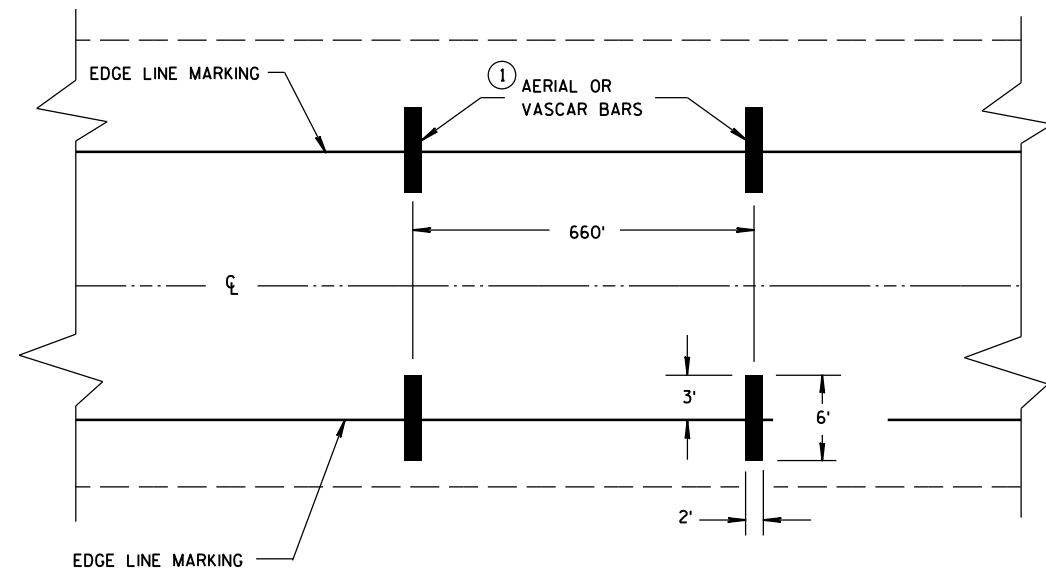
GENERAL NOTES

- ① 8" WHITE
- ② QUANTITY AND LOCATION OF TYPE 3 ARROW ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION, THE ARROWS AND ONLY MARKING ARE ELIMINATED.

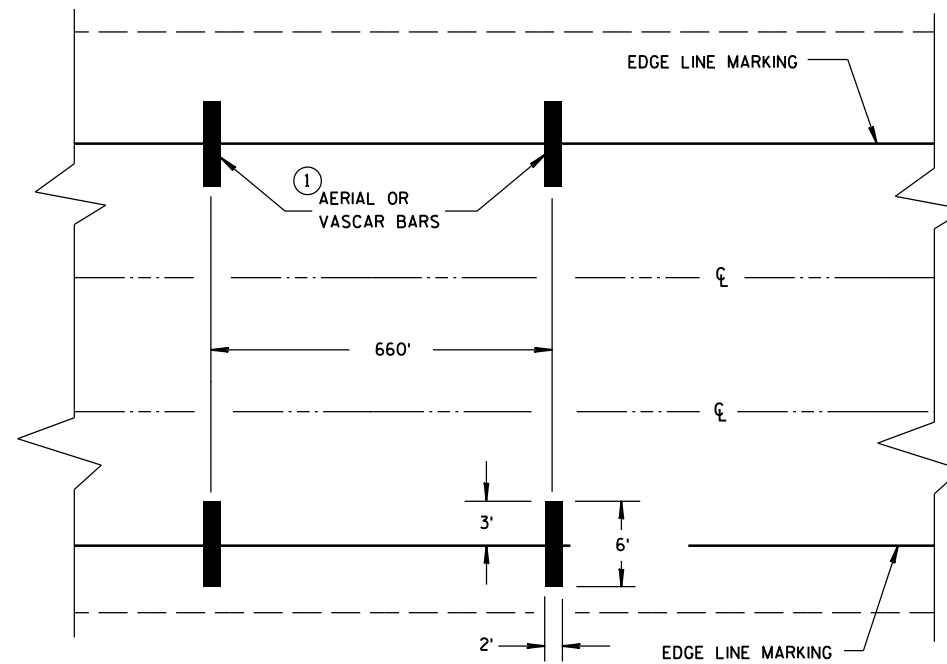
→ DIRECTION OF TRAFFIC
L = LENGTH OF TURN BAY

PAVEMENT MARKING
(TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC



TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

GENERAL NOTES

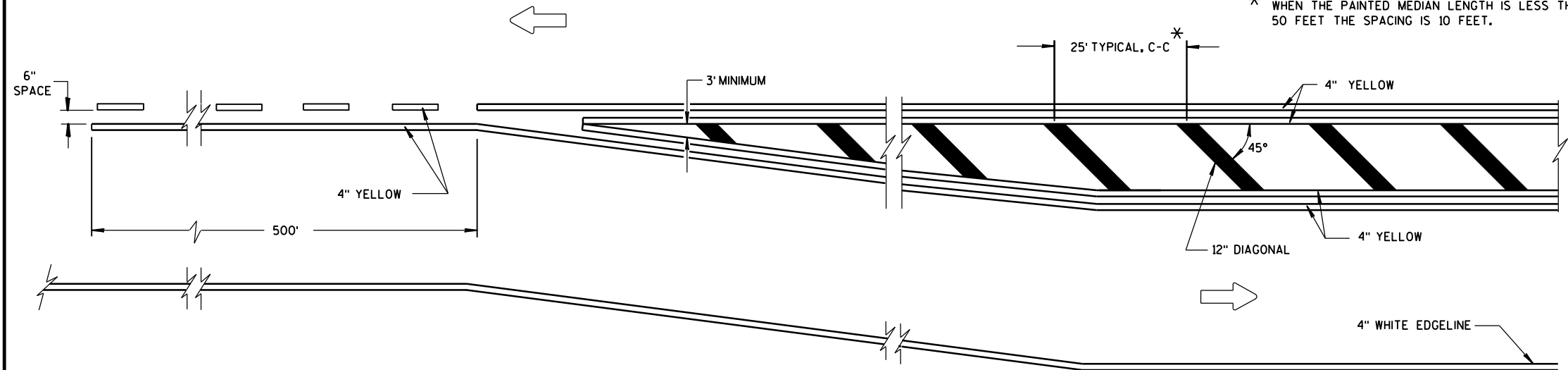
① PLACE TWO TO FIVE AERIAL OR VASCAR BARS AT 660 FOOT SPACING.

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

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June 2017 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA

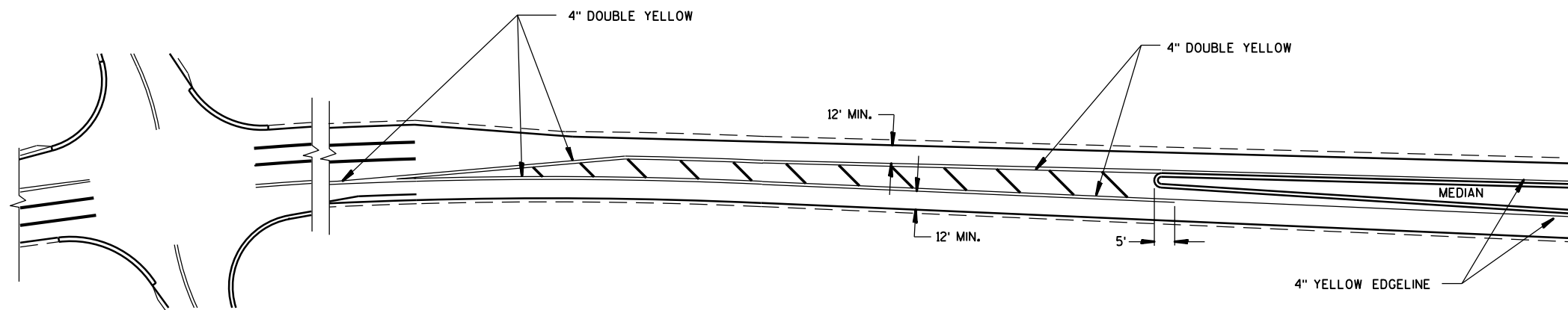


MEDIAN ISLAND DETAIL

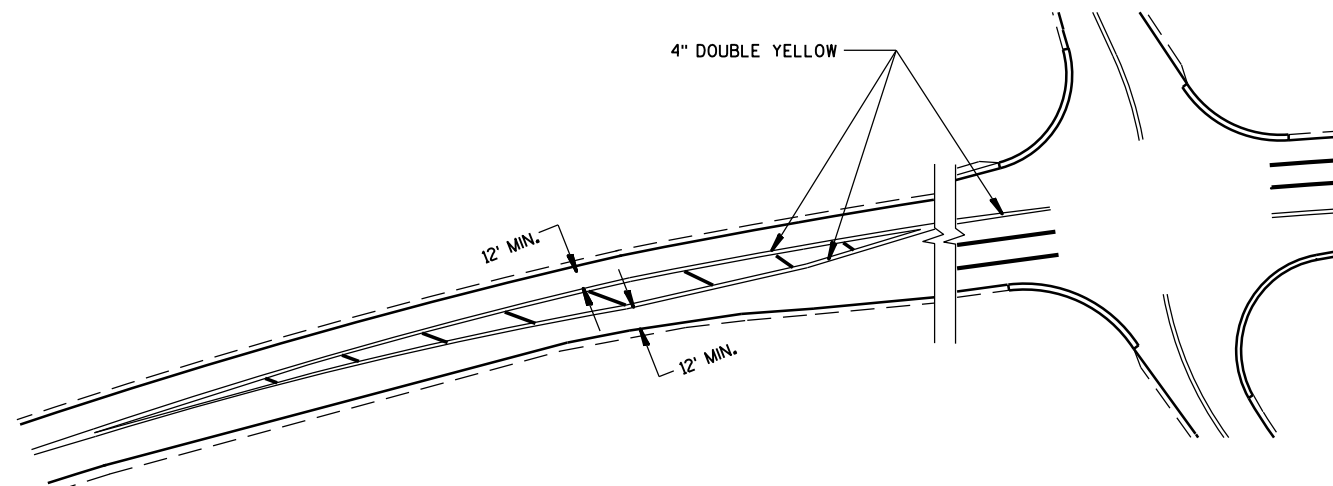
GENERAL NOTE

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

➡ DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES

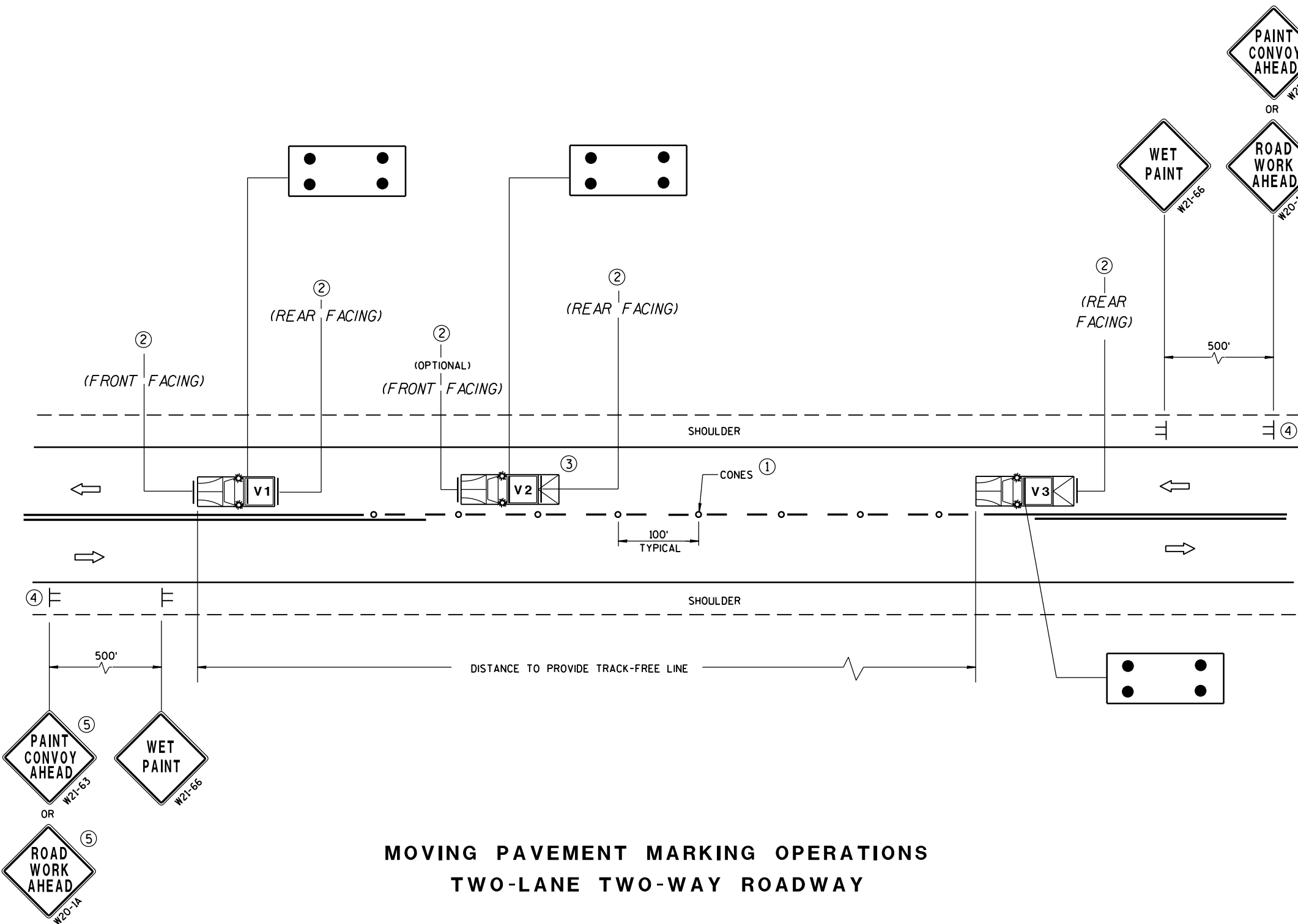


NON APPROACH MARKINGS

MEDIAN ISLAND MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 /S/ Matthew Rauch
DATE STATE SIGNING AND MARKING ENGINEER
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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.





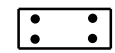
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

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.

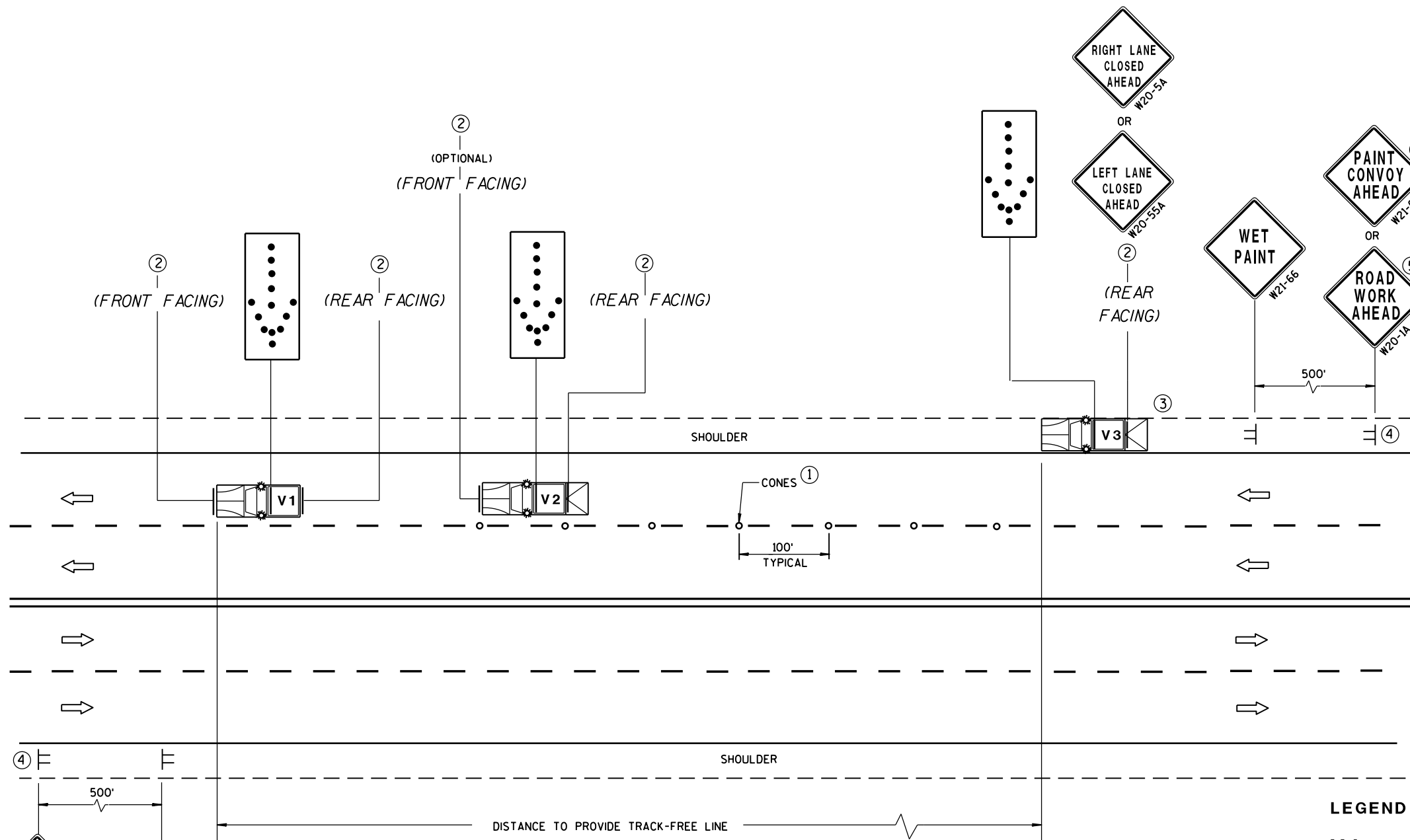
- ① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- ② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.
 OR 
- ③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.
- ④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
- ⑤ IF CONSTRUCTION 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 OPERATIONS
TWO-LANE TWO-WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED DATE Sept., 2017	/S/ Andrew Heidtke WORK ZONE 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.

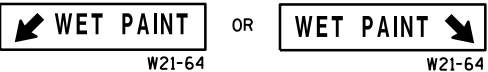
FOR EDGE LINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH.

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

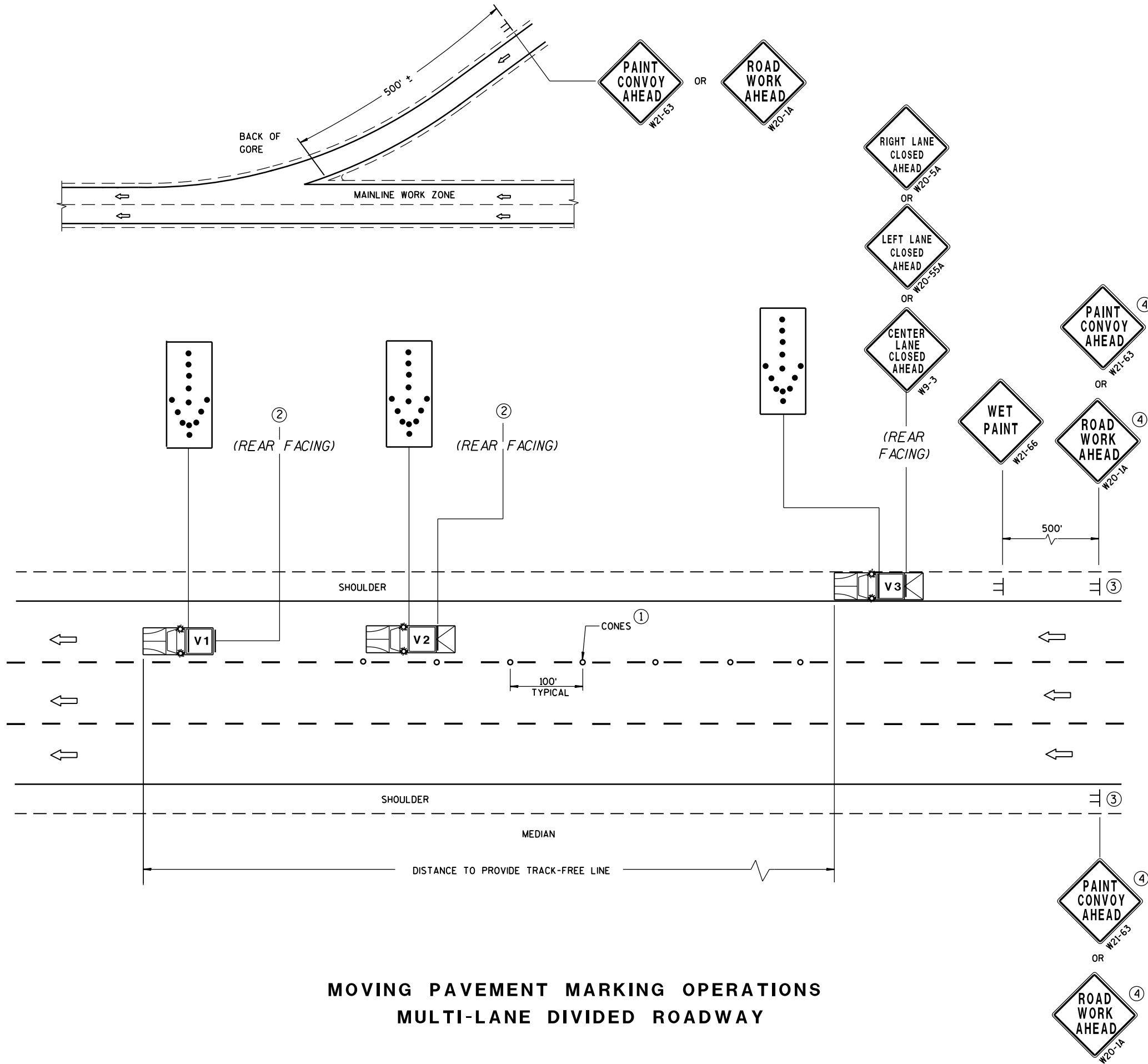
Cones

Flashing arrow panel (merge)

MOVING PAVEMENT MARKING
OPERATION
MULTI-LANE UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2017 /S/ Andrew Heldtke
DATE WORK ZONE 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.

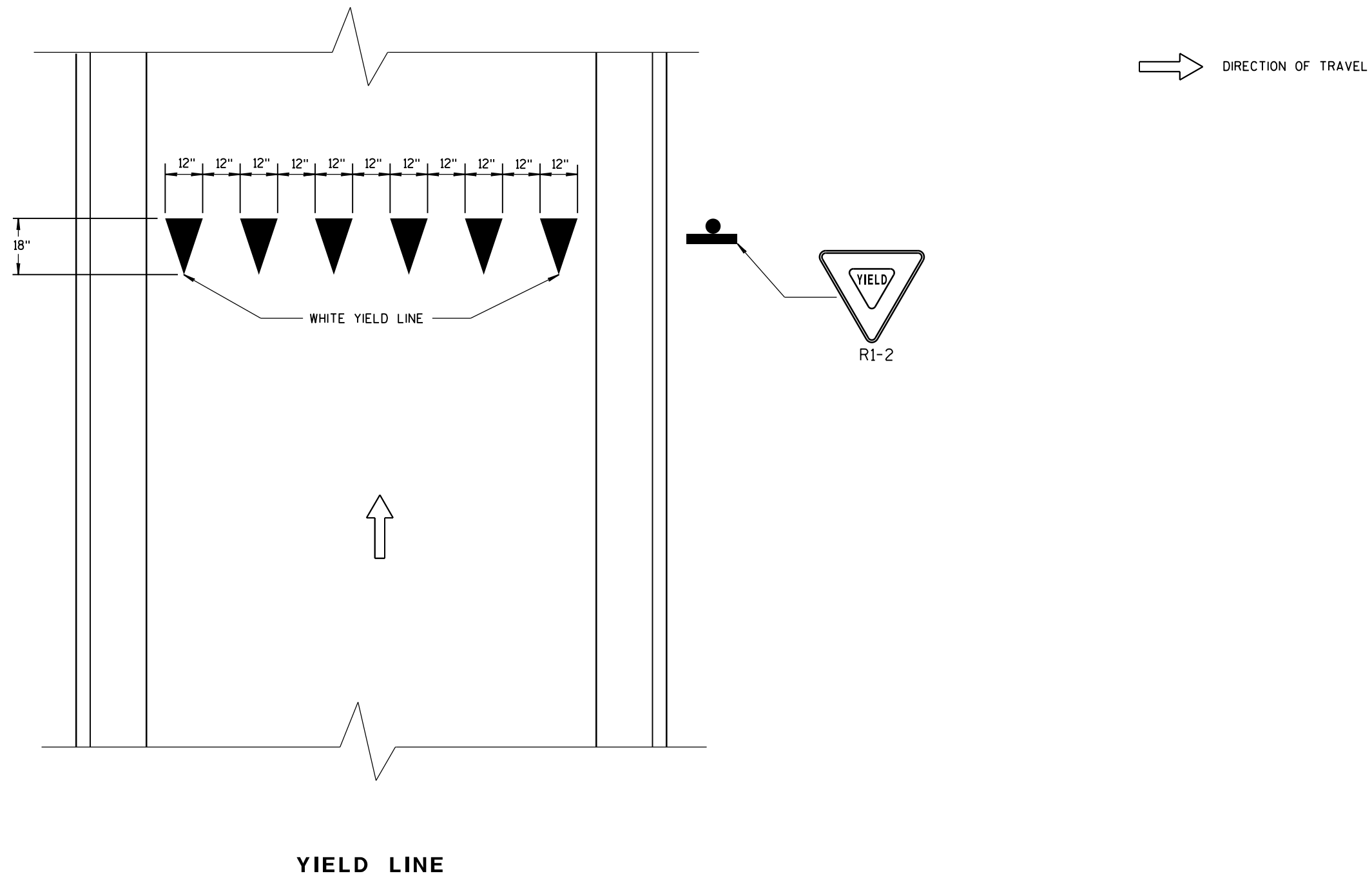
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

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.
 OR 
- ③ SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.
- ④ 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 DATE Sept. 2017	/S/ Andrew Heldtke WORK ZONE ENGINEER
FHWA	



<p>YIELD MARKINGS</p>	
<p>STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION</p>	
<p>APPROVED</p> <p><u>4-18-2016</u> <u>DATE</u></p>	<p><u>/S/ Matthew R. Rauch</u> <u>STATE SIGNING AND MARKING ENGINEER</u></p>
<p>FHWA</p>	

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 USED ONLY WHEN APPROVED BY REGION TRAFFIC ENGINEER.

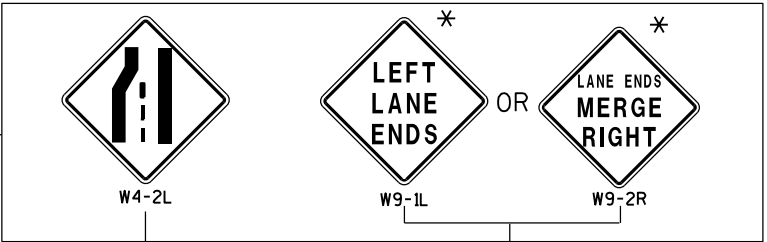
SYMBOLS

- * 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

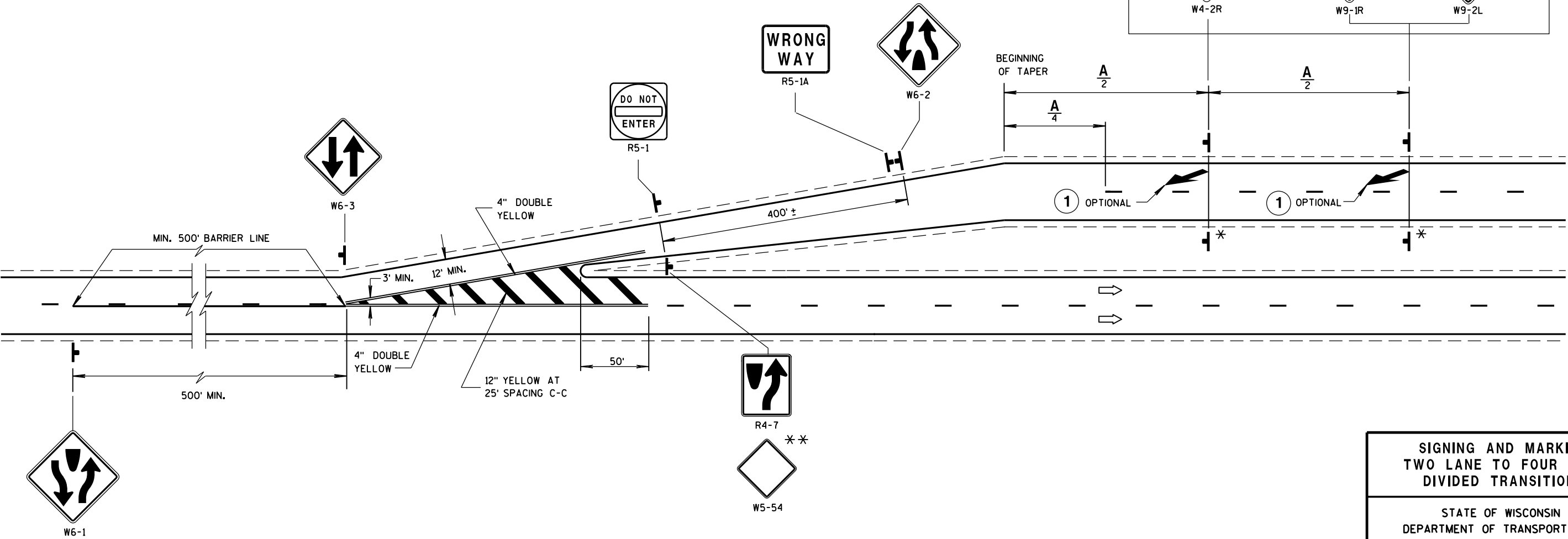
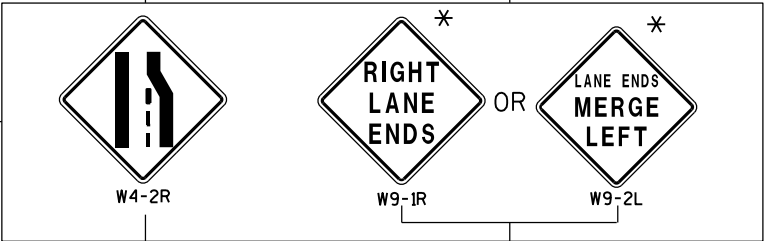
DISTANCE TABLE

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

OPTION 2



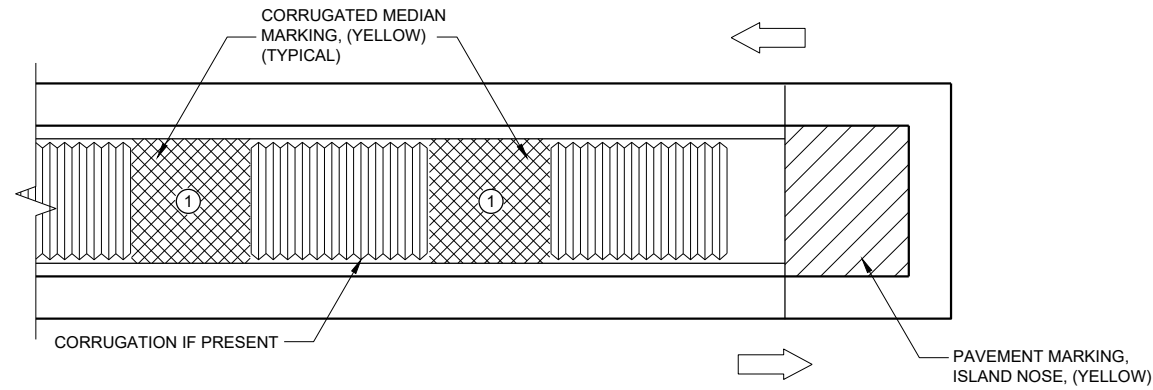
OPTION 1



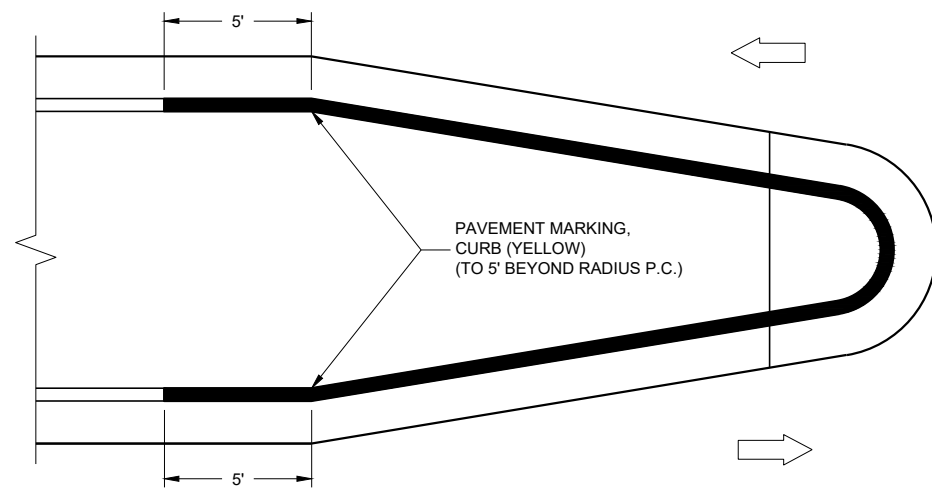
SIGNING AND MARKING
TWO LANE TO FOUR LANE
DIVIDED TRANSITIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

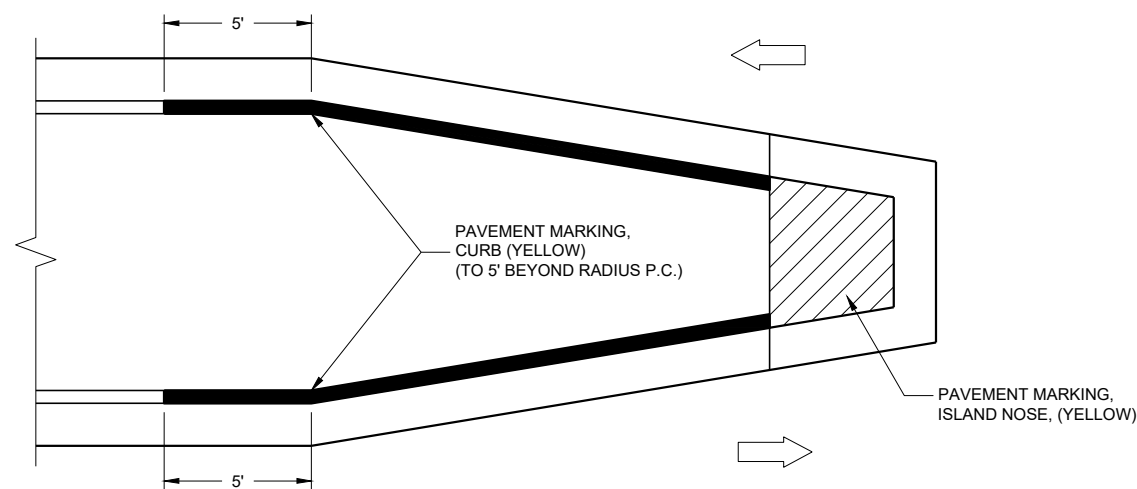
APPROVED
June 2017 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA



MEDIAN ISLAND WITH SQUARE BLUNT NOSE







MEDIAN ISLAND WITH ROUND BLUNT NOSE



TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

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.

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

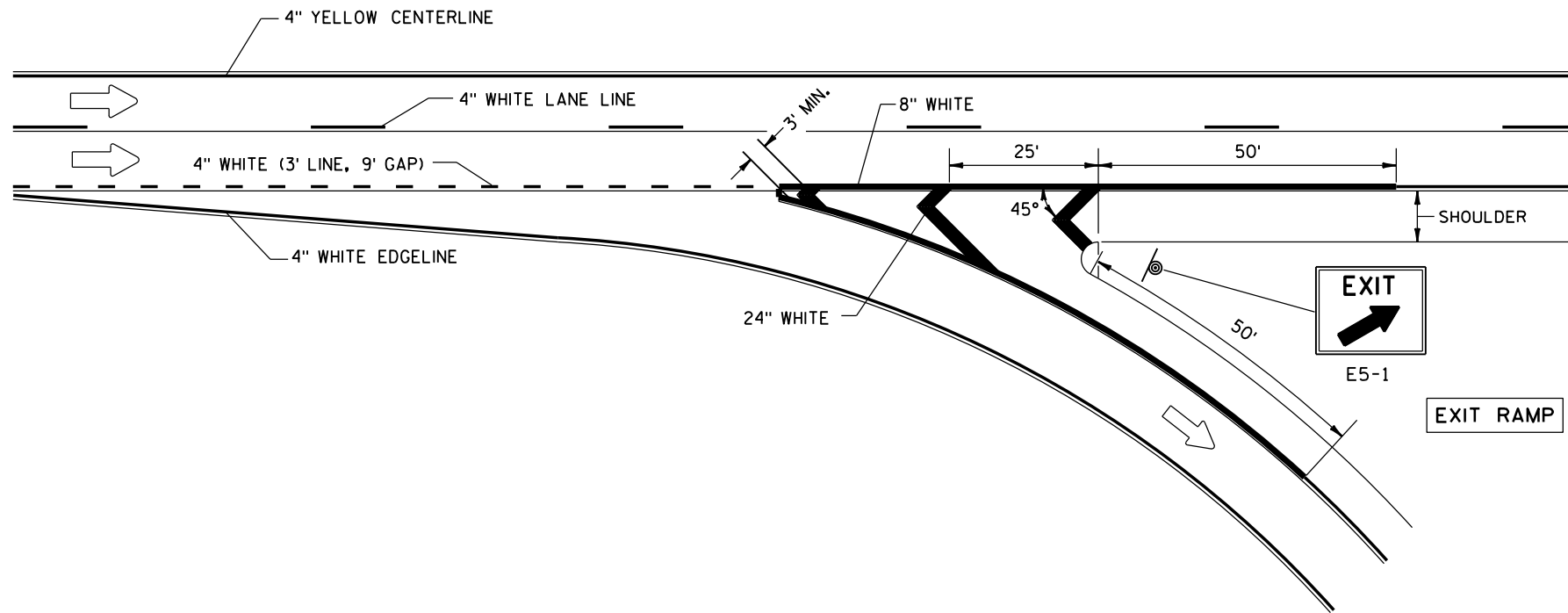
PAVEMENT MARKINGS (ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MARKING
ENGINEER

FHWA



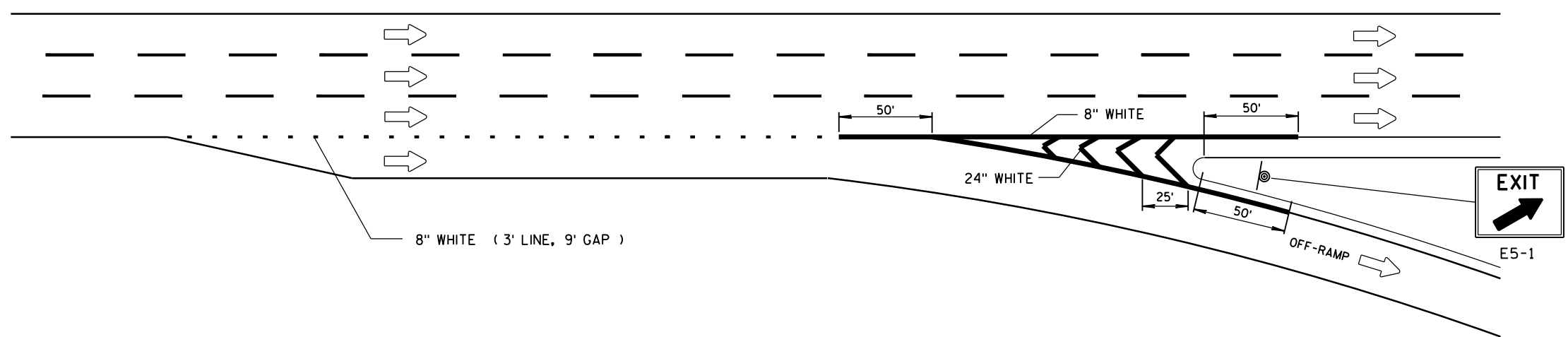
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

- DIRECTION OF TRAVEL
- SIGN ON PERMANENT SUPPORT

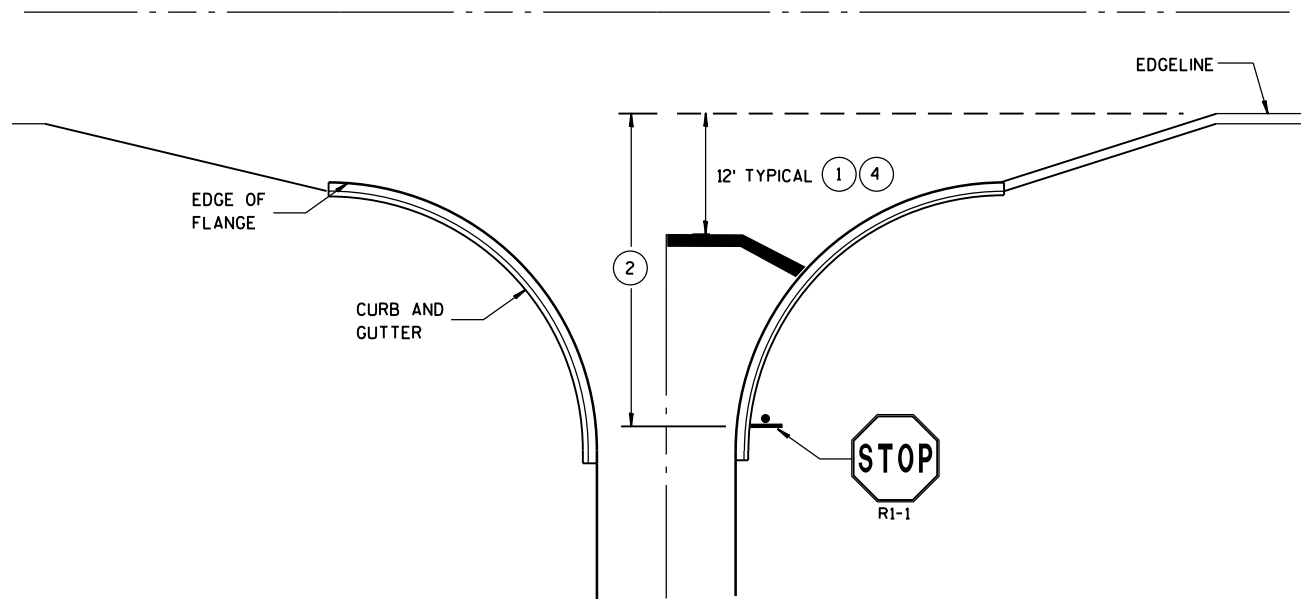
PAVEMENT MARKING FOR EXIT RAMP



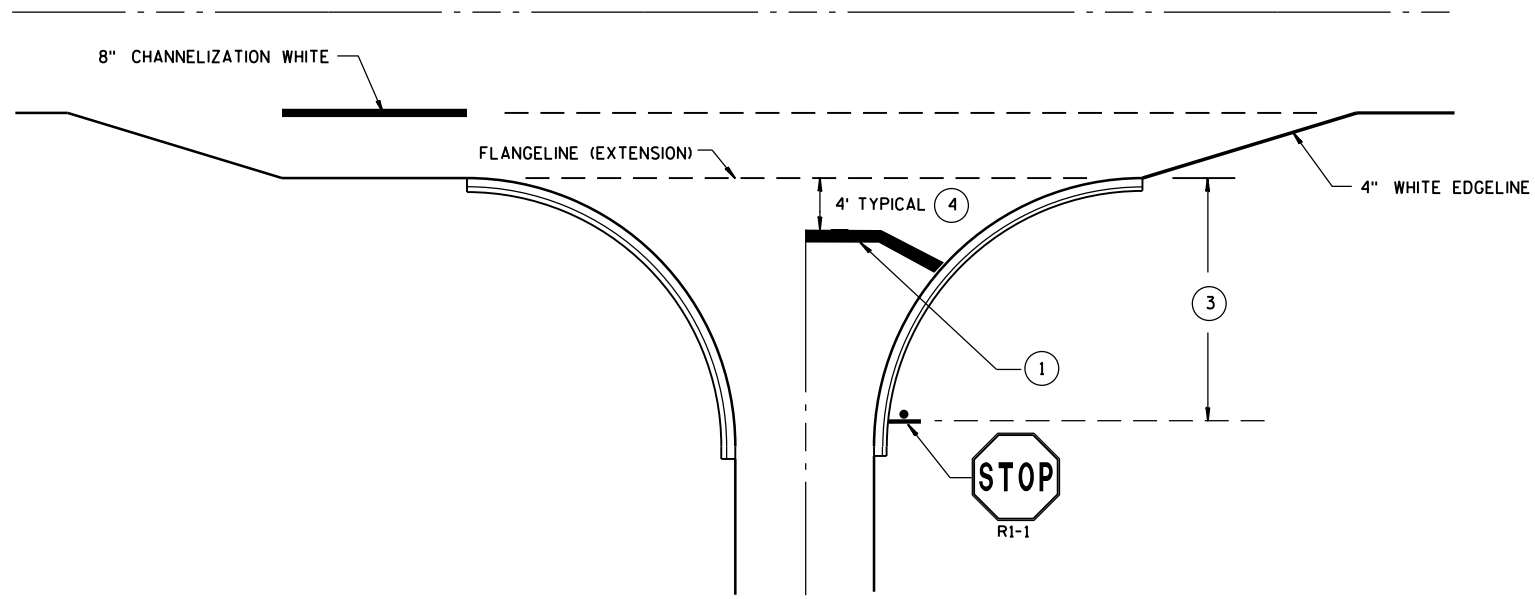
SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

PAVEMENT MARKING
(RAMPS AND GOES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER

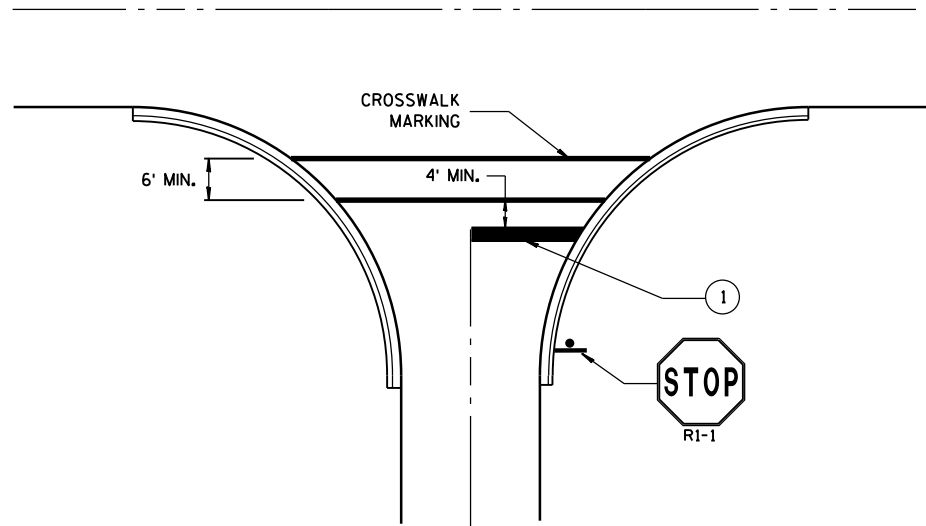


TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH RIGHT TURN LANE

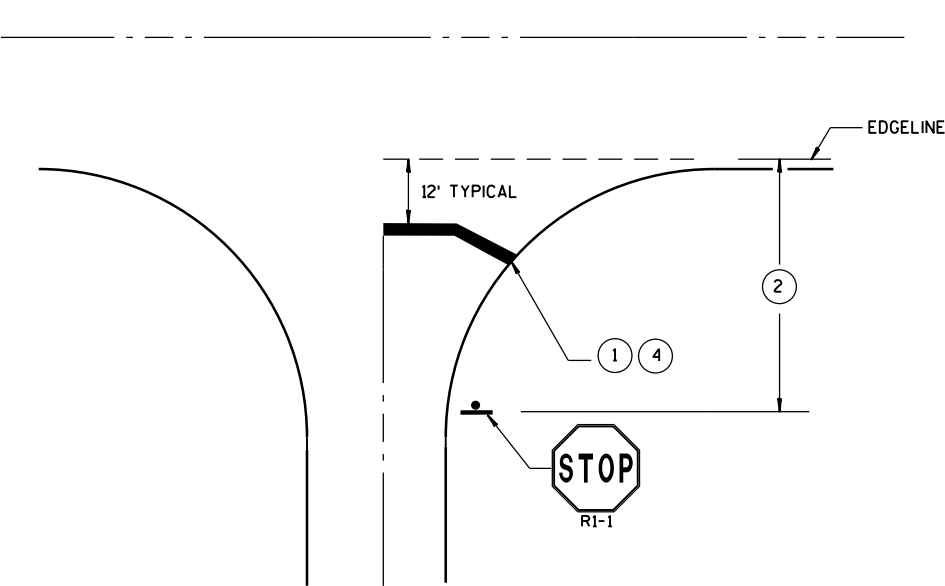
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGE LINE LOCATION.

- 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. (NO CLOSER THAN 4 FEET).

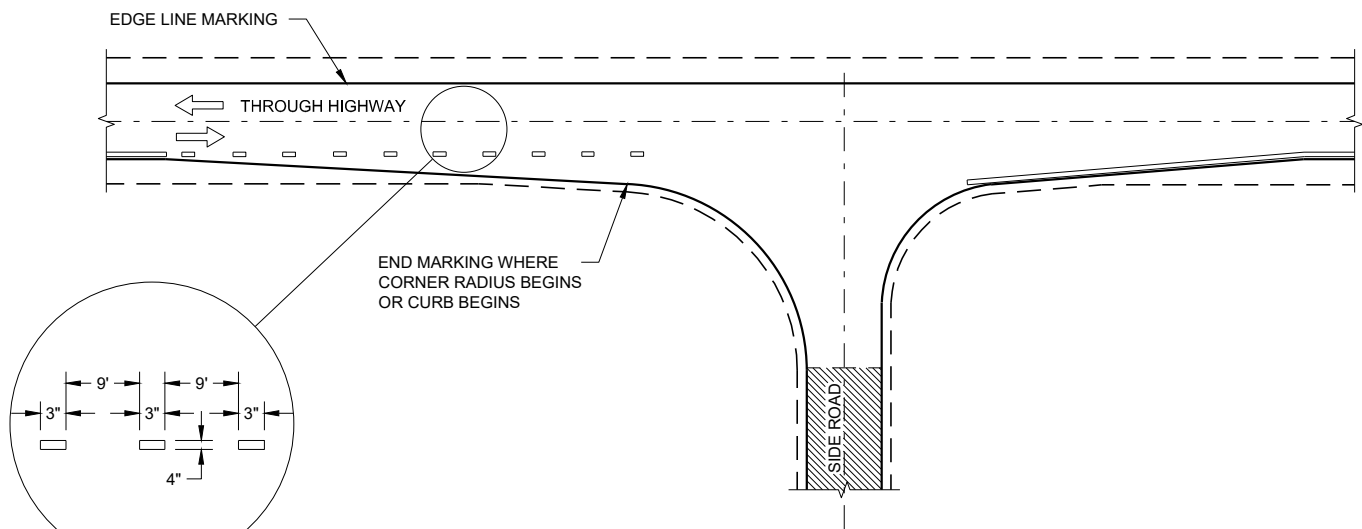


TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH CROSSWALK MARKING

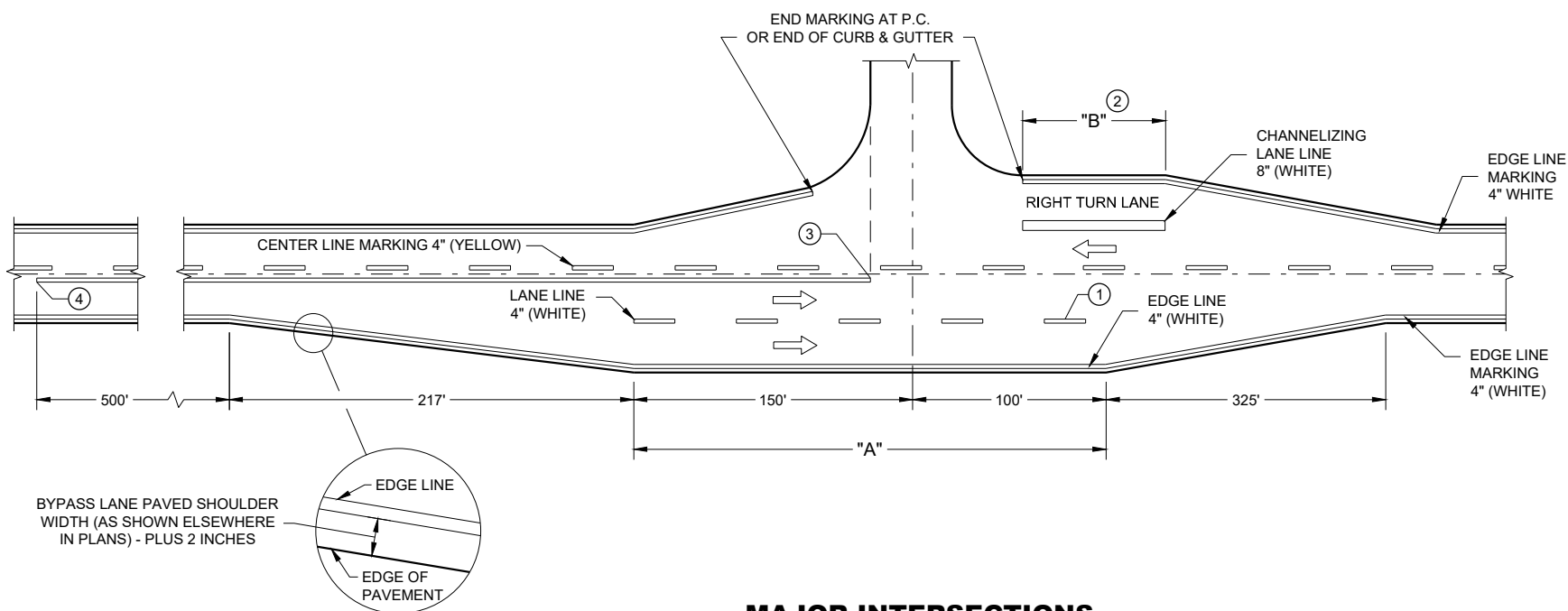


TYPICAL STOP LINE PAVEMENT MARKING
WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED DATE Sept., 2017	/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER
FHWA	



MINOR INTERSECTION



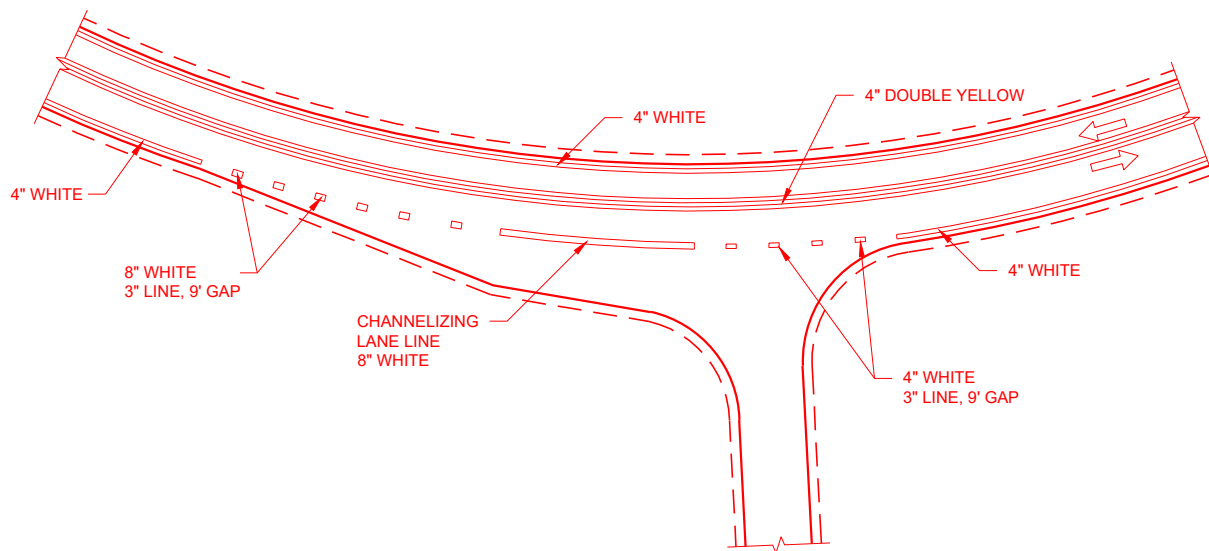
MAJOR INTERSECTIONS
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES 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 BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
- ④ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER

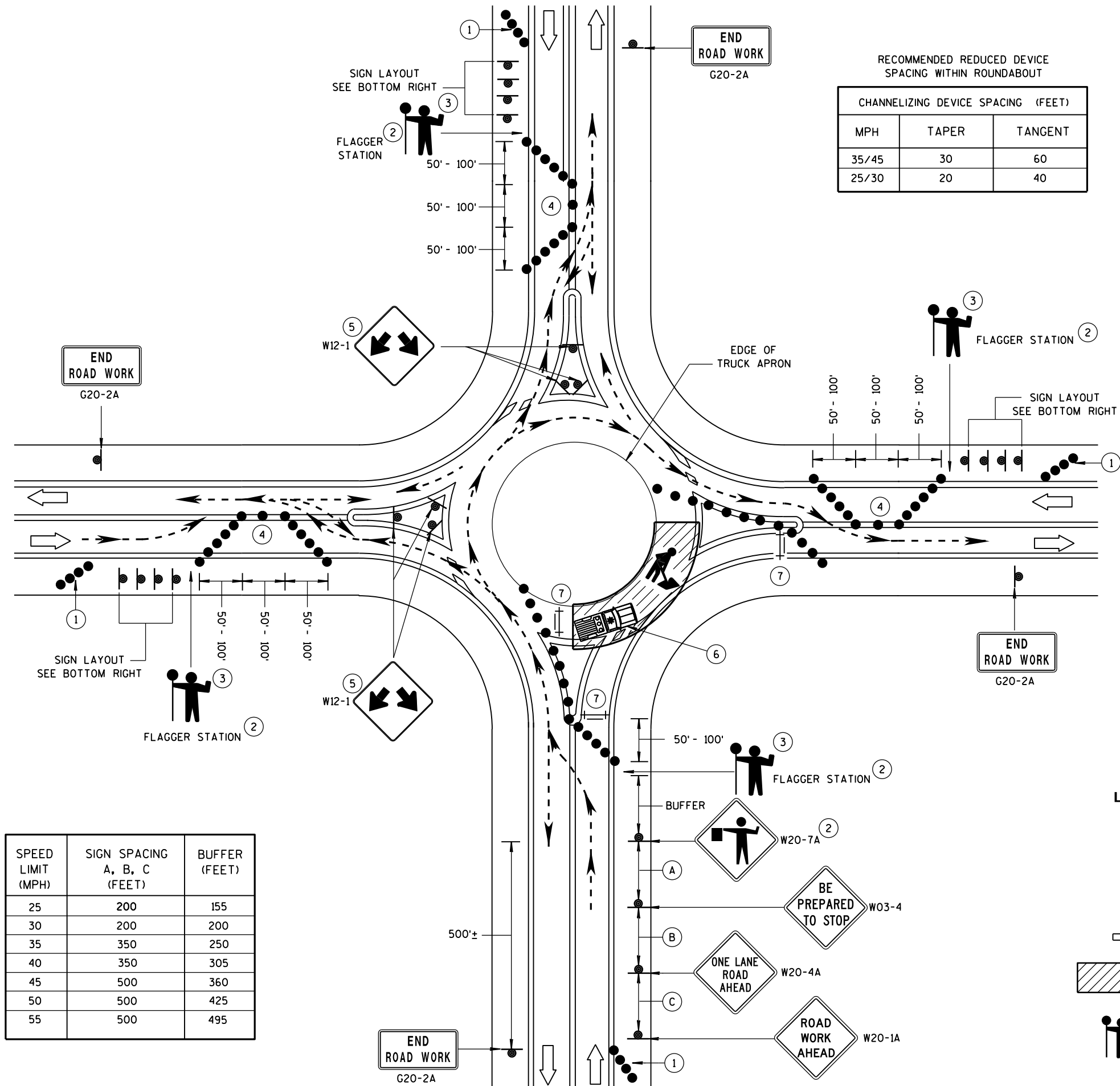
ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



SPEED LIMIT (MPH)	SIGN SPACING A, B, C (FEET)	BUFFER (FEET)
25	200	155
30	200	200
35	350	250
40	350	305
45	500	360
50	500	425
55	500	495

END
ROAD WORK
G20-2A

RECOMMENDED REDUCED DEVICE SPACING WITHIN ROUNDABOUT		
CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35/45	30	60
25/30	20	40

GENERAL NOTES

ALL SIGNS ARE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS IF APPROVED BY THE ENGINEER.

REMOVE OR COVER CONFLICTING SIGNS.

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

ONLY ONE QUADRANT OF TRAFFIC SHALL BE RELEASED AT A TIME.

FLAGGERS SHALL CONTROL TRAFFIC ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. ONE FLAGGER SHALL BE DESIGNATED LEAD FLAGGER.

RADIO COMMUNICATION SHALL BE USED BY ALL FLAGGERS.

NIGHT TIME WORK REQUIRES ADDITIONAL LIGHTING AT FLAGGER STATION(S).

- 1 PLACE A MINIMUM OF 4 DRUMS ON THE SHOULDER IN ADVANCE OF THE PCMS IN A TAPER FOR DELINEATION ON ALL APPROACHES TO THE ROUNDABOUT.
- 2 ESTABLISH THE LIMITS OF THE WORK ZONE TO ENSURE THE MAXIMUM POSSIBLE SIGHT DISTANCE TO THE FLAGGER STATION.
- 3 FLAGGERS SHALL BE IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.
- 4 ADJUST CHANNELIZING DEVICES TO ACCOMMODATE FOR TURNING RADIUS OF LARGE VEHICLES AS DIRECTED BY THE ENGINEER.
- 5 GUIDE SIGN WITH ROAD NAMES MAY BE USED IN LIEU OF THE DOUBLE ARROW (W12-1) SIGN.
- 6 BUFFER VEHICLE RECOMMENDED TO SHIELD WORK AREA.
- 7 TYPE III BARRICADES WITH ROAD CLOSED SIGN.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

TRAFFIC CONTROL,
2-LANE ROUNDABOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 /S/ Peter Amakobe Atepe
DATE STATEWIDE WORK ZONE TRAFFIC
FHWA SAFETY ENGINEER

Notes



Wisconsin Department of Transportation

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