

LAX

PROJECT ID: 1009-12-90

WITH:

COUNTY: VARIOUS COUNTIES

SOUTHWEST REGION

APRIL 2018

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

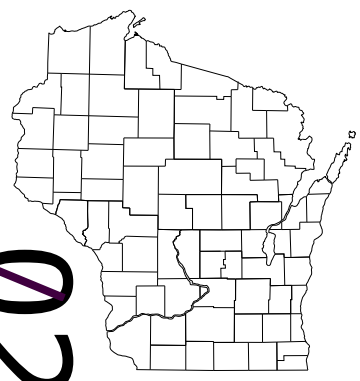
Section No. 9

Computer Earthwork Data

Section No. 9

Cross Sections

TOTAL SHEETS = 28



N

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

SW REGION PVMT MARKING WESTERN CTYS

STN LOCATIONS PER ANNUAL PLAN

VAR HWY

SW REGION WIDE

STATE PROJECT NUMBER

1009-12-90

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-12-90		

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

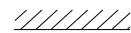
TELEPHONE


WATER


UTILITY PEDESTAL


POWER POLE

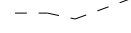
TELEPHONE POLE




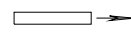





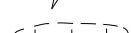


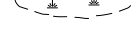


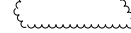











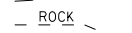





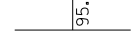





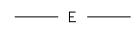


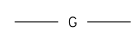


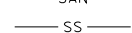


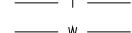


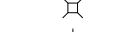











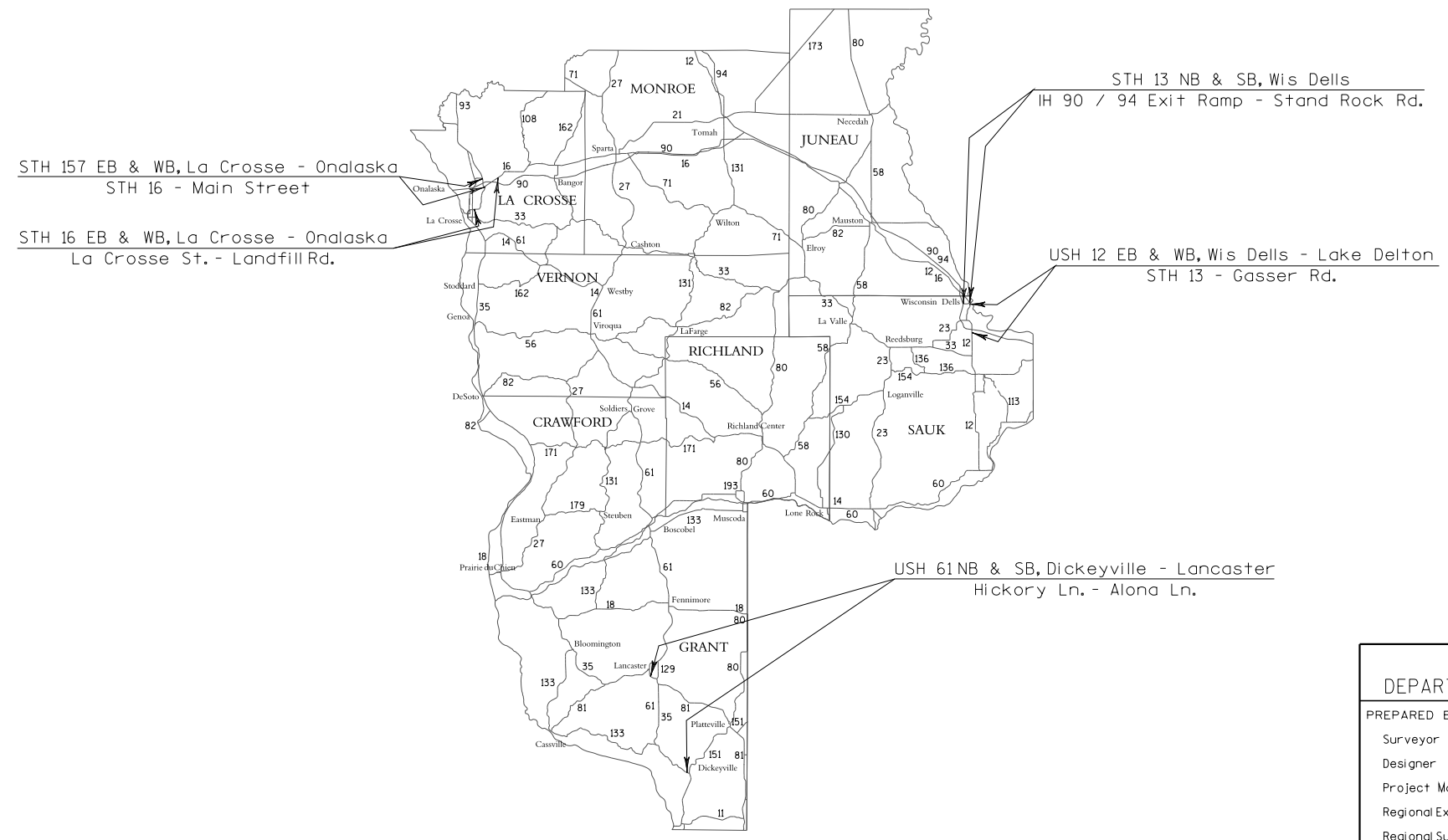












LAYOUT

SCALE 0 MI.

TOTAL NET LENGTH OF CENTERLINE = MI.

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor

Designer

IVER PETERSON

Project Manager

Regional Examiner

Regional Supervisor

Karen Olson

C.O. Examiner

APPROVED FOR THE DEPARTMENT

DATE: 11-29-2017

Karen L Olson

(Signature)

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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
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LA CROSSE, WI 54601
608-792-7479
karen.olson@dot.wi.gov



Estimate Of Quantities

1009-12-90

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	603,606.000	603,606.000
0008	646.3020	Marking Line Epoxy 8-Inch	LF	25,556.000	25,556.000
0010	646.5020	Marking Arrow Epoxy	EACH	221.000	221.000
0012	646.5120	Marking Word Epoxy	EACH	104.000	104.000
0014	646.6120	Marking Stop Line Epoxy 18-Inch	LF	3,671.000	3,671.000
0016	646.7120	Marking Diagonal Epoxy 12-Inch	LF	753.000	753.000
0018	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	917.000	917.000
0020	646.8120	Marking Curb Epoxy	LF	1,648.000	1,648.000
0022	646.8220	Marking Island Nose Epoxy	EACH	39.000	39.000
0024	SPV.0090	Special 01. Marking Crosswalk Epoxy Transverse Line 12-In	LF	4,919.000	4,919.000

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)																			
		646.1020				646.3020			646.5020		646.5120	646.6120	646.7120		646.7420	646.8120	646.8220	SPV.0090.01	
Sauk County		4-INCH EDGE LINE WHITE L.F.	4-INCH EDGE LINE YELLOW L.F.	4-INCH CENTER LINE 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.	8-INCH CHANNELIZING WHITE (MINI DASHES) L.F.	ARROWS TYPE 2 WHITE EACH	ARROWS TYPE 3 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.	646.8120 CURB YELLOW L.F.	646.8220 ISLAND NOSE YELLOW EACH	12-INCH CROSSWALK WHITE L.F.	
HIGHWAY	LOCATION (From)	LOCATION (To)																	
USH 12 EB	STH 13, Wisconsin Dells	Gasser Rd, Lake Delton	7812	9192	24075	3577													
USH 12 EB	STH 13 (Left Turn Lane)								1		1								
USH 12 EB	STH 13 (Right Turn Lane)								1		1					74			
USH 12 EB	STH 13 (Through Lanes)											35			189	10	1		
USH 12 EB	Parking Lot (Left Turn Lane)					91		24								75	1		
USH 12 EB	Parking Lot Entrance	Lost Temple														46	1		
USH 12 EB	Commercial Entrance	Timbavati Wildlife Park														24	1		
USH 12 EB	Commercial Entrance (Left Turn Lane)					46										29	1		
USH 12 EB	CTH A					51						36				40			
USH 12 EB	Hawk Signal	Mt Olympus										22						88	
USH 12 EB	Hawk Signal	DQ Grill and Chill										22						88	
USH 12 EB	W Lake Ave											23						133	
W Lake Ave	USH 12 EB											21						93	
USH 12 EB	Hawk Signal	Tommy Bartlett Exploratory										22						88	
USH 12 EB	STH 23 (Left Turn Lane)								2		1			70					
USH 12 EB	STH 23 (Through Lane)									1		50		70				120	
USH 12 EB	STH 23 (Right Turn Lane)										1	36							
STH 23 EB	USH 12 EB																	100	
Whitlock St	USH 12 EB																	60	
USH 12 EB	Judson St	Delavan St (Two Way Left Turn Lane)							8										
USH 12 EB	Canyon Rd															10	1		
USH 12 EB	Scott Dr (Left Turn Lane)								1							10	1		
USH 12 EB	Scott Dr (Right Turn Lane)								1		1								
USH 12 EB	Adams St (Left Turn Lane)								2		2								
USH 12 EB	Miller Dr (Through Lanes)											49				10	1	166	
USH 12 EB	Miller Dr (Right Turn Lane)								2		1								
Miller Dr	USH 12 EB											26						140	
USH 12 EB	Hillman Rd (Left Turn Lane)								2		2	13							
USH 12 EB	Progressive Dr (Through Lanes)											36				10	1	173	
USH 12 EB	Progressive Dr (Right Turn Lane)								2		2								
Progressive Dr	USH 12 EB											47						216	
USH 12 EB	Frontage Rd Entrance	Ponderosa														23	1		
USH 12 EB	Meadowview Dr (Left Turn Lane)								4		4	23							
USH 12 EB	Gasser Rd (Through Lanes)											35	89			10	1	222	
USH 12 EB	Gasser Rd (Right Turn Lane)								2		2	45							
Gasser Rd	USH 12 EB																	196	
Sub Totals			7812	9192	24075	3577	188	601	24	29	1	18	541	89	140	189	371	11	1883

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)																		
646.3020																		
646.1020																		
8-INCH CHANNELIZING WHITE (MAINLINE) L.F.																		
8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.																		
646.5020																		
646.5120																		
646.6120																		
646.7120																		
646.7420																		
646.8120																		
646.8220																		
SPV.0090.01																		
HIGHWAY	LOCATION (From)	LOCATION (To)	4-INCH EDGELINE WHITE L.F.	4-INCH EDGELINE YELLOW L.F.	4-INCH CENTERLINE YELLOW L.F.	4-INCH LANELINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.	ARROWS TYPE 2 WHITE EACH	ARROWS TYPE 3 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.	646.8120 CURB YELLOW L.F.	646.8220 ISLAND NOSE YELLOW EACH	12-INCH CROSSWALK WHITE L.F.
USH 12 WB	Gasser Rd, Lake Delton	STH 13, Wisconsin Dells	7854	9228	1786	3577												
USH 12 WB	Gasser Rd (Left Turn Lane)								4		4					10	1	
USH 12 WB	Meadowview Dr (Through Lanes)											64						
USH 12 WB	Meadowview Dr (Right Turn Lane)								2		2							
Meadowview Dr	USH 12 WB											37						
USH 12 WB	Frontage Rd Entrance	Holiday Inn Express														33	1	
USH 12 WB	Progressive Dr (Left Turn Lane)								2		2	11						
USH 12 WB	Hillman Rd (Through Lanes)											36				10	1	204
USH 12 WB	Hillman Rd (Right Turn Lane)								2		2							
Hillman Rd	USH 12 WB											42						191
USH 12 WB	Miller Dr (Left Turn Lane)								2		1							
USH 12 WB	Adams St (Through Lanes)											43				10	1	151
USH 12 WB	Adams St (Right Turn Lane)								2		2							
Adams St	USH 12 WB											30						147
USH 12 WB	Scott Dr (Left Turn Lane)								2		1					10	1	
USH 12 WB	Whitlock St (Right Turn Lane)								2		1			150			1	
USH 12 WB	STH 23 (Through Lanes)											33						160
USH 12 WB	STH 23 (Right Turn Lane)																	36
USH 12 WB	Hawk Signal	Tommy Bartlett Exploratory										22						
USH 12 WB	E Lake Ave											21						108
E Lake Ave	USH 12 WB											30						111
USH 12 WB	Hawk Signal	DQ Grill and Chill										22						
USH 12 WB	Hawk Signal	Mt Olympus										22						
USH 12 WB	CTH A							98				29		117		87		159
CTH A	USH 12 WB											24	26			47		138
USH 12 WB	Commercial Entrance (Left Turn Lane)	Wisconsin Deer Park														28	1	
USH 12 WB	Commercial Entrance	Lost Temple														22	1	
USH 12 WB	Parking Lot Entrance															46	1	
USH 12 WB	Commercial Entrance (Left Turn Lane)	Mc Donalds					157											
USH 12 WB	STH 13 (Right Turn Lane)						335	108	2		2				38			
USH 12 WB	STH 13 (Through Lanes)						170			1		36			168	50	1	
USH 12 WB	STH 13 (Left Turn Lane)						217		2		2							
Sub Totals			7854	9228	1786	3577	879	206	22	1	19	502	26	267	206	353	10	1405

			646.1020				646.3020							
PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			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 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.	646.5020		646.5120	646.6120	646.7420
Sauk County										ARROWS TYPE 2 WHITE EACH	ARROWS TYPE 3 WHITE EACH	WORDS "ONLY" WHITE EACH	18-INCH STOP LINE WHITE L.F.	6-INCH CROSSWALK WHITE L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)												
STH 13 NB	Interstate 90 - 94 EB Exit Gore	Stand Rock Rd	6106	4146	1426	284	399	398						
STH 13 NB	Interstate 90 - 94 WB Exit Ramp													
STH 13 NB	Interstate 90 - 94 WB Exit Ramp													
STH 13 NB	S Frontage Rd													
STH 13 NB	S Frontage Rd						205	85						
STH 13 NB	CTH H Left Turn Lane							130 37					10	
STH 13 NB	Trout Rd Right Turn Island													
STH 13 NB	CTH H Through Lane													
Trout Rd	STH 13 NB													
STH 13 NB	Commercial Entrance	Mobil					125	33						
STH 13 NB	Commercial Entrance	Ihop					110 66 262 90		84 49 121	1		1	36	176 38
STH 13 NB	Commercial Entrance	Walgreens												
STH 13 NB	USH 12, STH 16 and STH 23	Through Lanes												
STH 13 NB	USH 12, STH 16 and STH 23	Right Turn Lane												
STH 13 NB	Commercial Entrance	Pirates Cove												
STH 13 SB	Stand Rock Rd	Interstate 90 - 94 EB On Ramp Gore	7012 1845	4462 717	1891	160	297	297					24 27	86
STH 13 SB	Interstate 90 - 94 WB On Ramp													
CTH H	STH 13 SB													
STH 13 SB	CTH H Through lane													
STH 13 SB	CTH H Right Turn Lane						293							
STH 13 SB	Trout Rd Left Turn Island	Paul Bunyan's Cook Shanty						188					11	
STH 13 SB	Trout Rd Left Turn Lane													
STH 13 SB	Commercial Entrance													
STH 13 SB	USH 12, STH 16 and STH 23													
STH 13 SB	USH 12, STH 16 and STH 23													
Sub Totals			14963	9325	3317	444	2481	1629	446	4	3	4	181	522

3

			646.1020						646.3020							
PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			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 WHITE L.F.	4-INCH MINI DASHES Yellow L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.	646.5020 ARROWS TYPE 2 WHITE EACH	646.5120 WORDS "ONLY" WHITE EACH	646.6120 18-INCH STOP LINE WHITE L.F.		646.8220 ISLAND NOSE YELLOW EACH	SPV.0090.01 12-INCH CROSSWALK WHITE L.F.
La Crosse County														646.8120 CURB YELLOW L.F.		
HIGHWAY	LOCATION (From)	LOCATION (To)														
STH 16 EB	La Crosse St, La Crosse	Landfill Rd, Onalaska	27077		30739	7217					34					78
STH 16 EB	Quarry Road (Right)												15			120
STH 16 EB	Bluff Pass (Right)												27			72
STH 16 EB	Driveway (Right)												18			98
STH 16 EB	Vista Court South (Right)												18			
STH 16 EB	Vista Court North (Right)												18			103
STH 16 EB	Sunset Court (Right)								117				18			90
STH 16 EB	CTH B, Gillette St. (Dual Left Turn Lane to Gillette St. West)					75		42	140		4		26	10	1	
STH 16 EB	CTH B, Gillette St. (Right Turn Lane to Gillette St. East)								137		2	1				
STH 16 EB	CTH B (Mainline STH 16 at CTH B)												36	10	1	207
STH 16 EB	CTH B (Gillette St. East)												28			151
STH 16 EB	Frontage Road (Right)								155		2		21	45		103
STH 16 EB	Conoco (Left Turn Lane to Conoco)								205				12			
STH 16 EB	CTH B (Right Turn Lane to CTH B)								150		2					
STH 16 EB	CTH B (Mainline STH 16 at CTH B)												37	10	1	
STH 16 EB	Ramp to 12th Ave South												22			
STH 16 EB	STH 157 (Dual Left Turn Lane to STH 157 WB)					51		42	113		6		30			
STH 16 EB	Mall Main Entrance (Mainline) & (Right Turn Lane)								207		2	1	41	10	1	
STH 16 EB	Mall Main Entrance at STH 16 (Right)			60									49			
STH 16 EB	Commercial Entrance (Left Turn Lane)								196		2	1				
STH 16 EB	Braund St (Left Turn Lane to Braund St.)								136		2	1				
STH 16 EB	Braund St (Right) & (Right Turn Lane to Mall Entrance)								156		2	1	31			
STH 16 EB	Braund St. (Mainline)												51	10	1	
STH 16 EB	Theater Road (Left Turn lane to Theater Road)								634		4	3				
STH 16 EB	Theater Road (Right Turn lane to Mall Entrance)								153		2	1	43			
STH 16 EB	Theater Road (Mainline)												48	10	1	
STH 16 EB	Side Street to Holiday Inn (Right)								141		1	1	18			
STH 16 EB	Pralle Center Dr. (Left Turn Lane to Pralle Center Dr.)								299		3	2				
STH 16 EB	So. Kinney Coulee Rd (Right Turn Lane to So. Kinney)								177		2	1				
STH 16 EB	So. Kinney Coulee Rd (Mainline)												51	10	1	
STH 16 EB	So. Kinney Coulee Rd (Right)												41			
STH 16 EB	Farm & Fleet Entrance (Left Turn Lane)								204		2	1				
STH 16 EB	IH-90 EB On Ramp (Right Turn Lane)								232		2	2	23			
STH 16 EB	IH-90 EB (Mainline at Traffic Signals)												24			
STH 16 EB	IH-90 WB On Ramp (Right Turn Lane)								407		2	2				
STH 16 EB	IH-90 WB Off Ramp (Mainline at Traffic Signals)												24			
STH 16 EB	IH-90 WB Off Ramp (Ramp & Right Turn Island)												53			
STH 16 EB	Main Street (Left Turn Lane to Main Street)			1220					473		2	2	12			
STH 16 EB	No. Kinney Coulee Road (Right) (Dual Left to STH 16 WB)					51		42								
STH 16 EB	Main Street (Mainline)												36			104
STH 16 EB	Main Street (Right Turn Lane to No. Kinney Coulee Rd.)								179				18			
Main St	STH 16 EB							36					44			
STH 16 EB	Commercial Entrance (Right Turn Lane)								216		2	2	26			
STH 16 EB	Commercial Entrance (Left Turn Lane)								113		2	1				
STH 16 EB	Oak Dr (Right Turn Lane)								125		2	1	14			
STH 16 EB	Oak Dr (Left Turn Lane)								109		2	1				
STH 16 EB	Landfill Rd (Right Turn Lane)								320		3	3				
STH 16 EB	Emerald Dr East (Left Turn Lane)			199							2	2				
Sub Totals			27077	1479	30739	7394	36	126	5697	1062	92	30	955	115	7	1126

3

PROJECT NO: 1009-12-90

HWY: STH 16 EB

COUNTY: LA CROSSE

MISCELLANEOUS QUANTITIES

SHEET NO:

E

			646.1020					646.3020		646.5020	646.5120	646.6120	646.7120		646.8220	SPV.0090.01
PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			4-INCH	4-INCH	4-INCH	4-INCH	4-INCH	8-INCH	8-INCH	ARROWS	WORDS	18-INCH	12-INCH		ISLAND	
La Crosse County			EDGE LINE	EDGE LINE	CENTER LINE	LANE LINE	MINI	CHANNELIZING	CHANNELIZING	TYPE 2	"ONLY"	STOP LINE	DIAGONAL	646.8120	NOSE	12-INCH
HIGHWAY	LOCATION (From)	LOCATION (To)	WHITE L.F.	YELLOW L.F.	YELLOW L.F.	WHITE L.F.	DASHES WHITE L.F.	WHITE (MAINLINE) L.F.	WHITE (ISLAND GORE) L.F.	WHITE EACH	WHITE EACH	WHITE L.F.	YELLOW L.F.	CURB YELLOW L.F.	YELLOW EACH	CROSSWALK WHITE L.F.
STH 16 WB	Landfill Rd, Onalaska	La Crosse St, La Crosse	24389	27379		6462										
STH 16 WB	Oak Dr (Right Turn Lane)							104		1	1	14				
STH 16 WB	Oak Dr (Left Turn Lane)							135		2	1					
STH 16 WB	Commercial Entrance (Left Turn Lane)							198		2	2	16				
STH 16 WB	Main Street (Right Turn Lane)							179		2	2					
STH 16 WB	Main Street (Left Turn Lane)							183		2	2					
STH 16 WB	Main Street (Mainline)											49		10	1	114
STH 16 WB	Main Street (North) (Dual Left Turn to STH 16 EB)		51		42							57				
STH 16 WB	IH-90 WB On Ramp							190								
STH 16 WB	IH-90 WB Off Ramp (Mainline at Traffic Signals)											24		10	1	
STH 16 WB	IH-90 EB On Ramp (Left Turn Lane to IH-90 EB)							291		2	2					
STH 16 WB	IH-90 EB On & Off Ramps (Mainline at Traffic Signals)											39				
STH 16 WB	Farm & Fleet Entrance (Right Turn Lane) & (Median)							94		2						
STH 16 WB	So. Kinney Coulee Road (Left Turn Lane)							222		2	2					
STH 16 WB	Pralle Center Dr. (Right) & (Right Turn Lane)							159		2	1	42				
STH 16 WB	Pralle Center Dr. (Mainline)											49		10	1	
STH 16 WB	PH (Right) & (Right Turn Lane to PH)							131		1	1	48				
STH 16 WB	Theater Road (Left Turn Lane to Mall Entrance)							529		3	2					
STH 16 WB	Theater Road (Right Turn Lane)							162		2	1	24				
STH 16 WB	Theater Road (Mainline)											36		10	1	
STH 16 WB	Braund St. (Left Turn Lane to Mall Entrance)							122		1	1					
STH 16 WB	Braund St. (Right Turn Lane to Braund St.) & (Island)							126								
STH 16 WB	Braund St. (Right)											25				
STH 16 WB	Braund St. (Mainline)											36		34		
STH 16 WB	Commercial Entrance (Mainline Median) & (Island)											15				
STH 16 WB	STH 157 (Left Turn Lane to Valley View Mall Entrance)							247		2	1	12				
STH 16 WB	STH 157 (Right Turn lane to STH 157 WB)							286		2	1	19				
STH 16 WB	STH 157 (Mainline) (Dual Left Turn to STH 16 EB)		51		42							25				
STH 16 WB	Commercial Entrance (Right)									1		23				
STH 16 WB	Ramp to Cheastnut Place						284	530		2	2	24				
STH 16 WB	CTH B (Left Turn Lane to CTH B)								156			13				
STH 16 WB	CTH B (Right) & (Right Turn Lane to Conoco)							159		2		25				
STH 16 WB	CTH B (Mainline)											37		10	1	
STH 16 WB	Frontage Road (Left Turn Lane to Frontage Road)							179		2	1			60		
STH 16 WB	CTH B, Gillette St. (Left Turn Lane to Gillette St. East)							114				14				
STH 16 WB	CTH B, Gillette St. (Right Turn Lane to Gillette St. West)							282		2	1	21		15		43
STH 16 WB	CTH B (Gillette St. West) (Dual Left TURN to STH 16 EB)		60		51							44				176
STH 16 WB	CTH B (Mainline at Gillette St.)											25				172
STH 16 WB	Vista Court North (Left Turn Lane)									2			51			
STH 16 WB	Vista Court South (Left Turn Lane)									2			67			
STH 16 WB	Bluff Pass (Left Turn Lane)									2						
Sub Totals			24551	27379	135	6462	284	4622	156	43	24	756	118	159	5	505

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			646.1020				646.3020							
La Crosse County			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 WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) 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 WHITE L.F.	646.8120 CURB YELLOW L.F.	646.8220 ISLAND NOSE YELLOW EACH
HIGHWAY	LOCATION (From)	LOCATION (To)												
STH 157 EB	Main St, Onalaska	STH 16, Onalaska	6066	7219										
STH 157 EB	On Ramp to USH 53 SB		1106	360	2301		728	724						
STH 157 EB	Exit Ramp to IH 90 WB						249				36			
STH 157 EB	Exit Ramp From IH 90 EB					33					35			
IH 90 EB Exit Ramp	STH 157 EB										43			
STH 157 EB	CTH SS						425	52	2	2	27			1
CTH SS	STH 157 EB					44					64			
STH 157 EB	PH						577		4	2	46			1
PH	STH 157 EB										32			
STH 157 EB	STH 16						569	263	6		38			
STH 157 WB	STH 16, Onalaska	Main St, Onalaska	5955	7153	2465									
STH 16 WB	STH 157 WB						256		4		51		43	1
STH 157 WB	PH										48			1
PH	STH 157 WB													
STH 157 WB	CTH SS					25	211	211	4	4	63	82		
STH 157 WB	On Ramp to IH 90 EB						273	340			36			
STH 157 WB	Exit Ramp From IH 90 WB										35			
Exit Ramp From IH 90 WB	STH 157 WB										44			
STH 157 WB	Exit Ramp	Main St, Onalaska	1614	988	400		480	864			24			
Sub Totals			14741	15720	5166	102	3768	2454	20	8	622	82	43	4

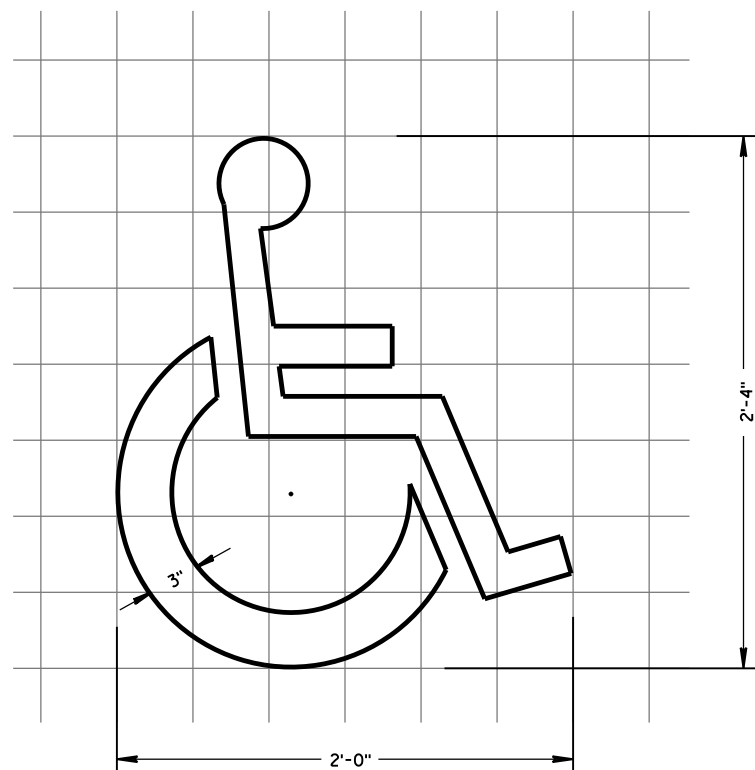
PAVEMENT MARKING EPOXY			646.1020			646.3020		646.5020		646.5120	646.6120	646.7120	646.8120	646.8220
Grant County			4-INCH EDGE LINE WHITE L.F.	4-INCH CENTER LINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.	ARROWS TYPE 2 WHITE EACH	ARROWS TYPE 5 WHITE EACH	WORDS "ONLY" WHITE EACH	18-INCH STOP LINE WHITE L.F.	12-INCH DIAGONAL YELLOW L.F.	646.8120 CURB YELLOW L.F.	646.8220 ISLAND NOSE YELLOW EACH
HIGHWAY	LOCATION (From)	LOCATION (To)												
USH 61	Hickory Ln (Dickeyville)	Alona Ln (Lancaster)	181860	158059	7146									
STH 133	USH 61 SB Through Lane										14			
STH 133	USH 61 SB Right Turn Lane										17			
CTH U	USH 61 SB Through Lane										13			
CTH U	USH 61 SB Right Turn Lane										15			
USH 61 NB	STH 81 EB					293	73					31	607	2
USH 61 SB	STH 81 EB Left Turn lane					245		2						
USH 61 NB	STH 81 WB					238	88		2		23			
USH 61 NB	Orchard Manor Entrance Right Turn Lane					202				1				
USH 61 NB	STH 129 Right Turn Lane					204		2						
STH 129	USH 61 NB Through Lane										16			
STH 129	USH 61 NB Right Turn Lane										16			
Sub Totals			181860	158059	7146	1182	161	4	2	1	114	31	607	2

PAVEMENT MARKING EPOXY SUMMARY										
		646.1020						646.3020		
HIGHWAY	County	4-INCH EDGE LINE WHITE L.F.	4-INCH EDGE LINE YELLOW L.F.	4-INCH CENTER LINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	4-INCH MINI DASHES WHITE L.F.	4-INCH MINI DASHES YELLOW 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.
USH 12 EB (STH 13 - Gasser Rd)	Sauk	7812	9192	24075	3577			188	601	24
USH 12 WB (Gasser Rd - STH 13)	Sauk	7854	9228	1786	3577			879	206	
STH 13 NB & SB (IH 90/94 - Stand Rock Rd)	Sauk	14963	9325		3317	444		2481	1629	446
STH 16 EB (La Crosse St - Landfill Rd)	La Crosse	27077	1479	30739	7394	36	126	5697	1062	
STH 16 WB (Landfill Rd - La Crosse St)	La Crosse	24551	27379	135	6462	284		4622	156	
STH 157 EB & WB (STH 16 - Main St)	La Crosse	14741	15720		5166	102		3768	2454	
USH 61 NB & SB (Hickory Ln - Alona Ln)	Grant	181860		158059	7146			1182	161	
TOTALS		278858	72323	214794	36639	866	126	18817	6269	470
		TOTAL 4-INCH 603606						TOTAL 8-INCH 25556		

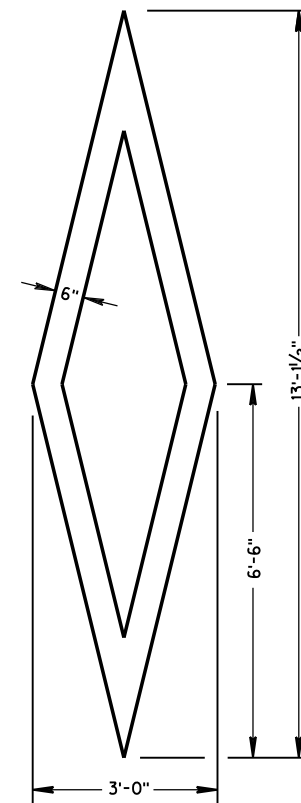
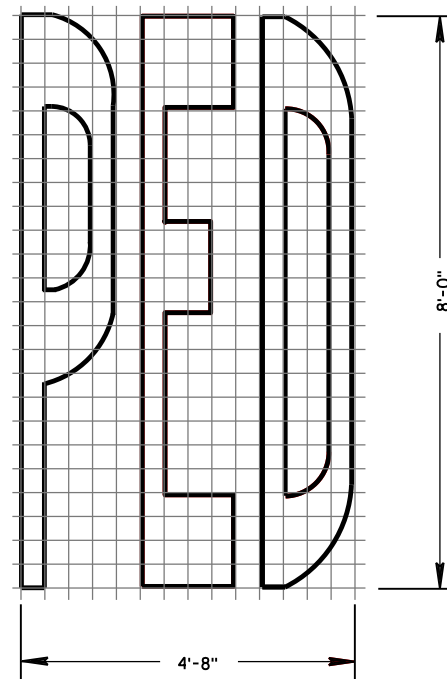
PAVEMENT MARKING EPOXY SUMMARY												
		646.5020			646.5120	646.6120	646.7120		646.7420	646.8120	646.8220	SPV.0090.01
HIGHWAY	County	ARROWS TYPE 2 WHITE EACH	ARROWS TYPE 3 WHITE EACH	ARROWS TYPE 5 WHITE EACH	WORDS "ONLY" WHITE EACH	18-INCH STOP LINE WHITE L.F.	12-INCH DIAGONAL WHITE L.F.	12-INCH DIAGONAL YELLOW L.F.	6-INCH CROSSWALK WHITE L.F.	CURB YELLOW L.F.	ISLAND NOSE YELLOW EACH	12-INCH CROSSWALK WHITE L.F.
USH 12 EB (STH 13 - Gasser Rd)	Sauk	29	1		18	541	89	140	189	371	11	1883
USH 12 WB (Gasser Rd - STH 13)	Sauk	22	1		19	502	26	267	206	353	10	1405
STH 13 NB & SB (IH 90/94 - Stand Rock Rd)	Sauk	4	3		4	181			522			
STH 16 EB (La Crosse St - Landfill Rd)	La Crosse	92			30	955				115	7	1126
STH 16 WB (Landfill Rd - La Crosse St)	La Crosse	43			24	756		118		159	5	505
STH 157 EB & WB (STH 16 - Main St)	La Crosse	20			8	622	82			43	4	
USH 61 NB & SB (Hickory Ln - Alona Ln)	Grant	4		2	1	114		31		607	2	
TOTALS		214	5	2	104	3671	197	556	917	1648	39	4919
		TOTAL ARROWS 221			TOTAL DIAGONALS 753							

Standard Detail Drawing List

15C07-14A	PAVEMENT MARKING SYMBOLS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C08-18A	LONGI TUDINAL MARKING (MAINLINE)
15C08-18B	PAVEMENT MARKING (TURN LANES)
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-04	MEDIAN I SLAND MARKING
15C19-04A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-04B	MOVING PAVEMENT MARKING OPERATION MULTI -LANE UNDIVIDED ROADWAY
15C19-04C	MOVING PAVEMENT MARKING OPERATION MULTI -LANE DIVIDED ROADWAY
15C21-08	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C27-02B	PAVEMENT MARKING (I SLANDS)
15C35-01A	PAVEMENT MARKING (INTERSECTIONS)
15C35-01B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15C35-01C	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)



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

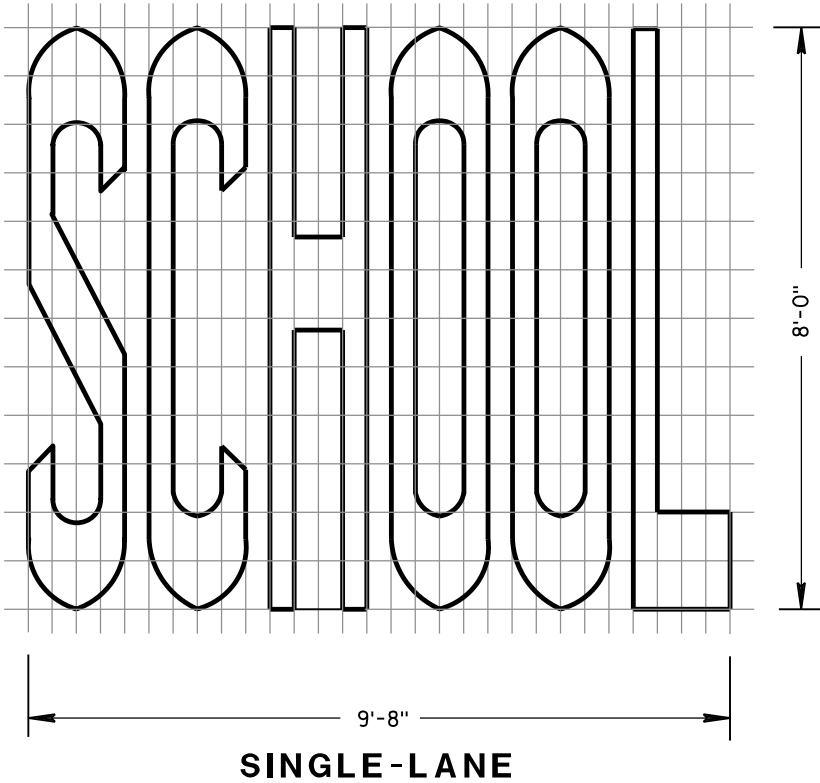
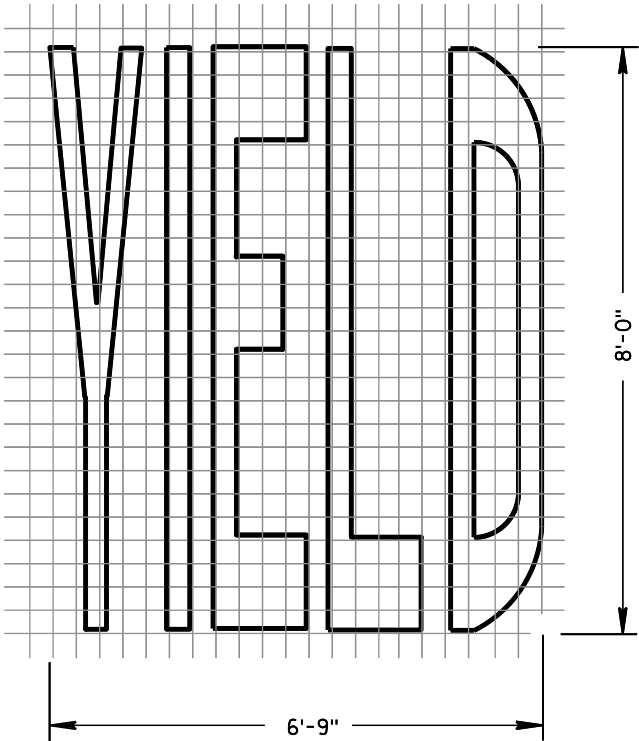
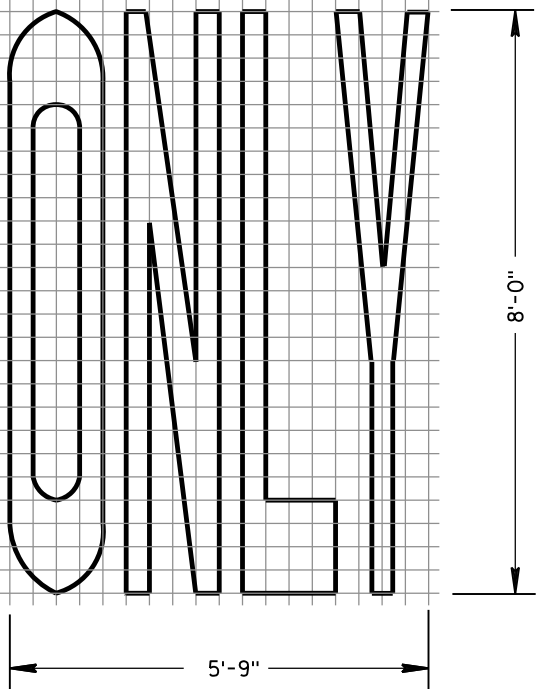
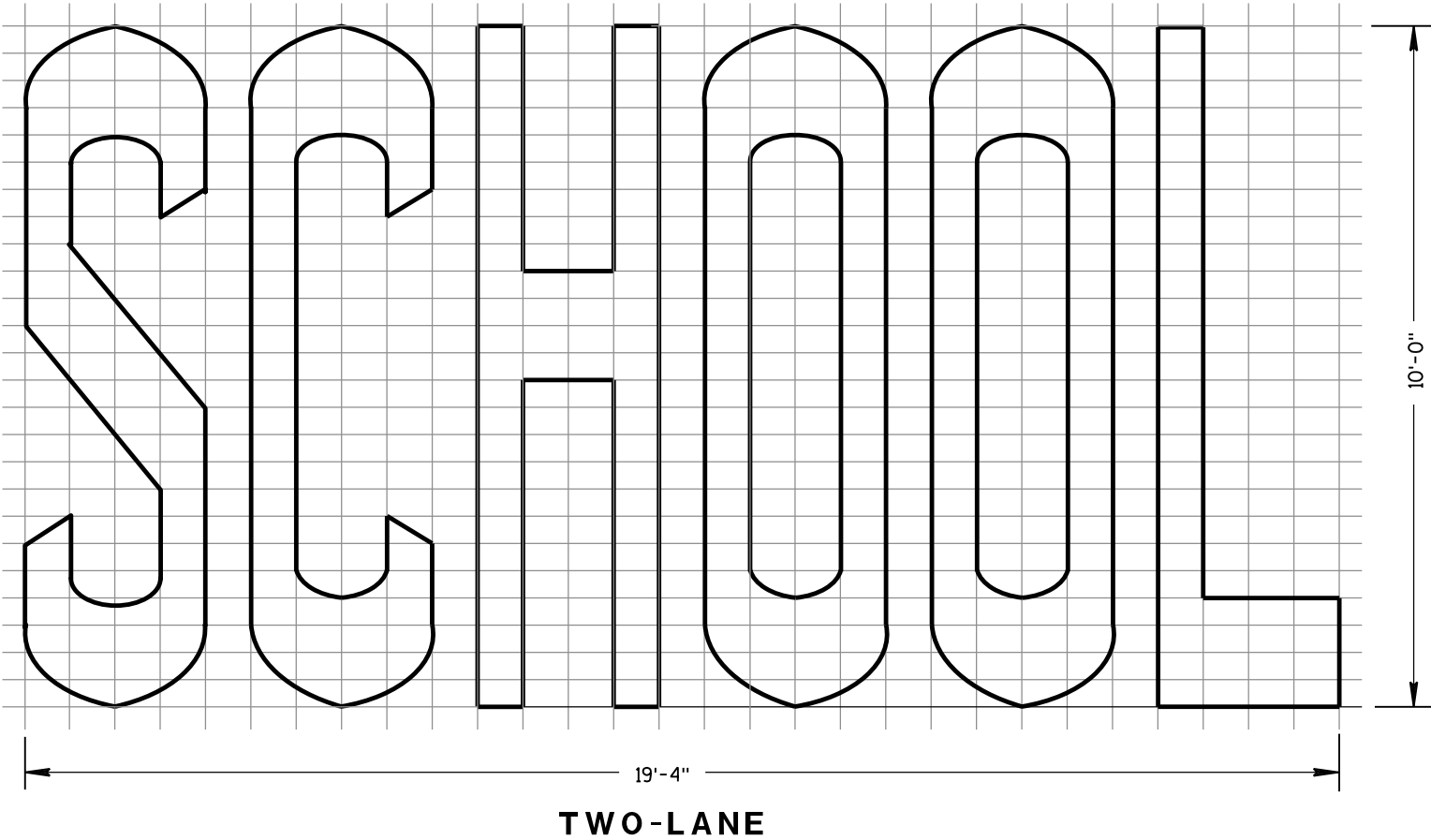
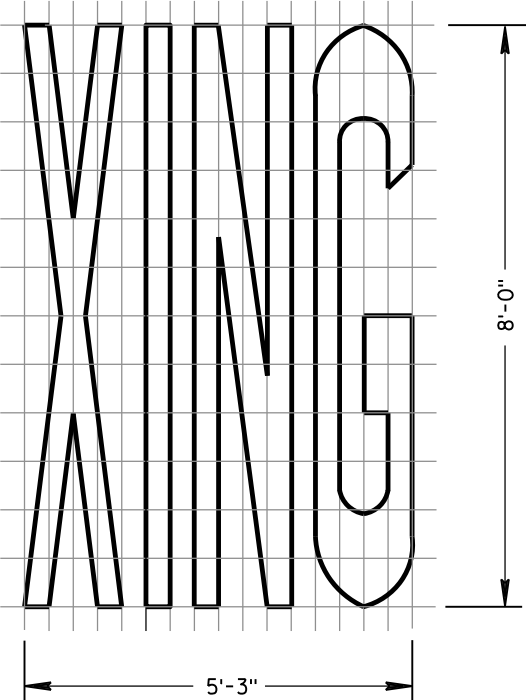
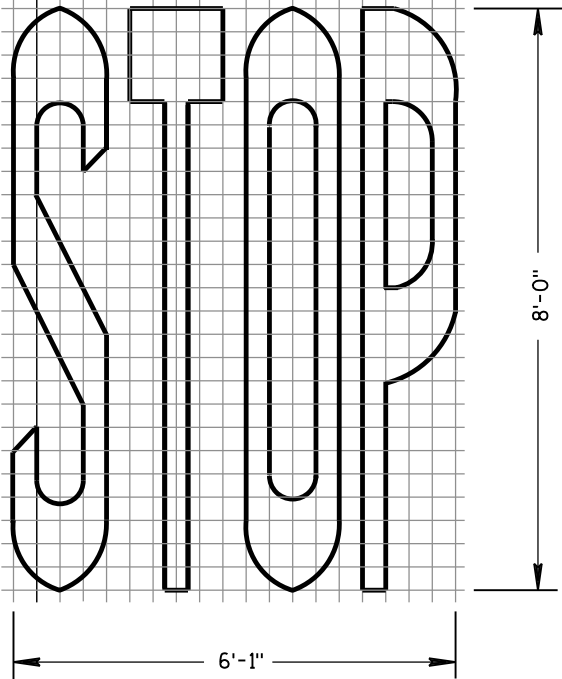
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June 2017
DATE/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER

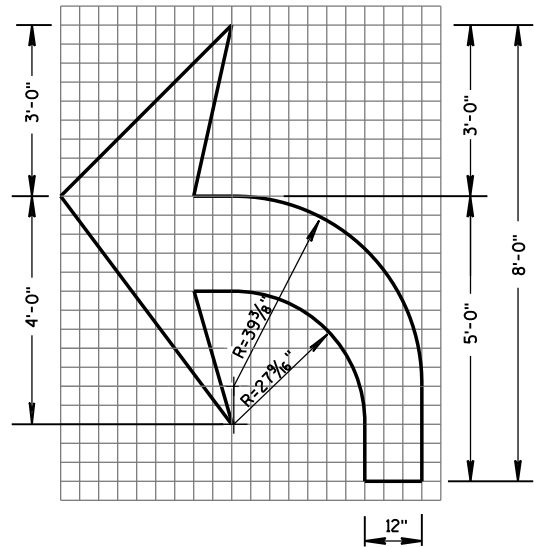
FHWA

GENERAL NOTES

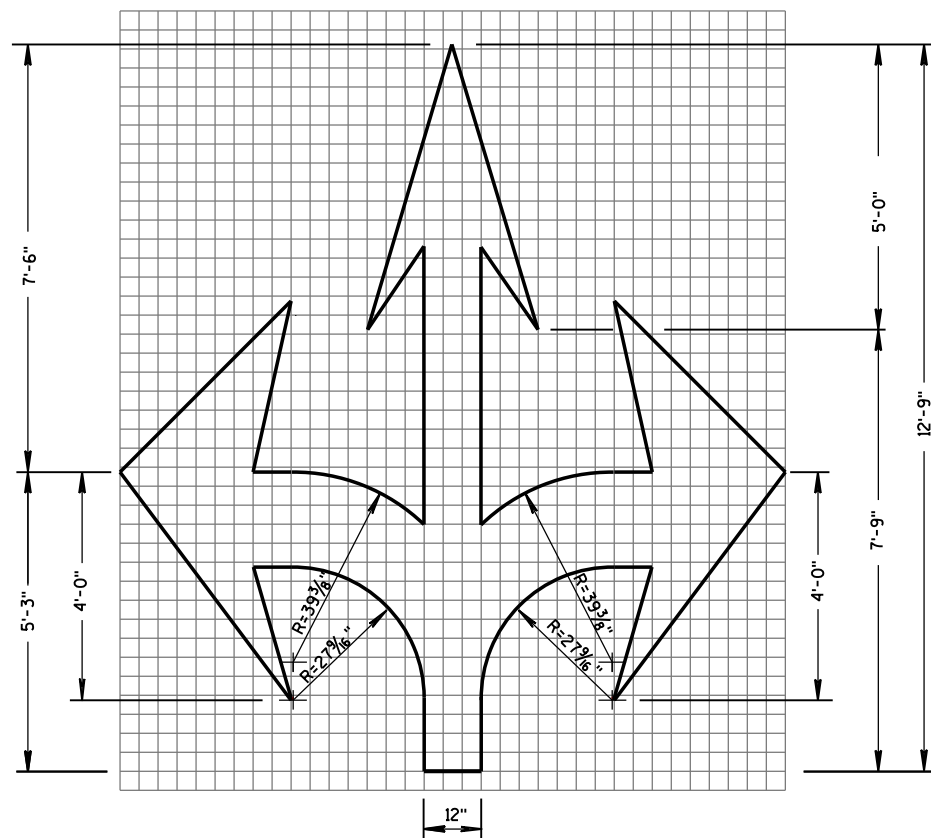
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



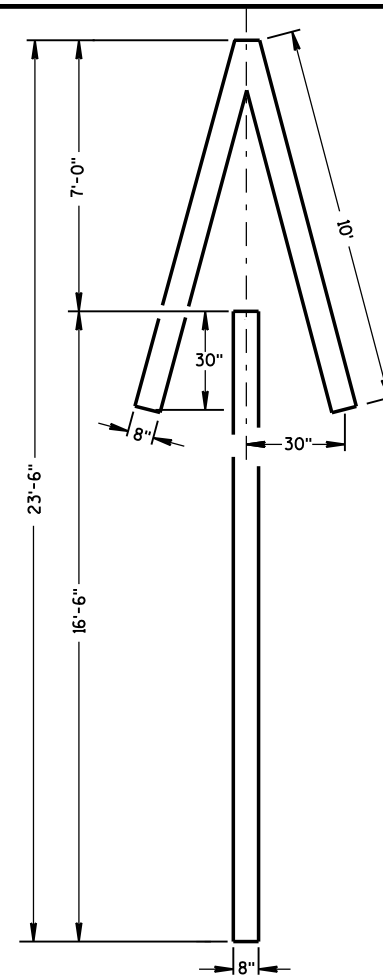
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER
FHWA	



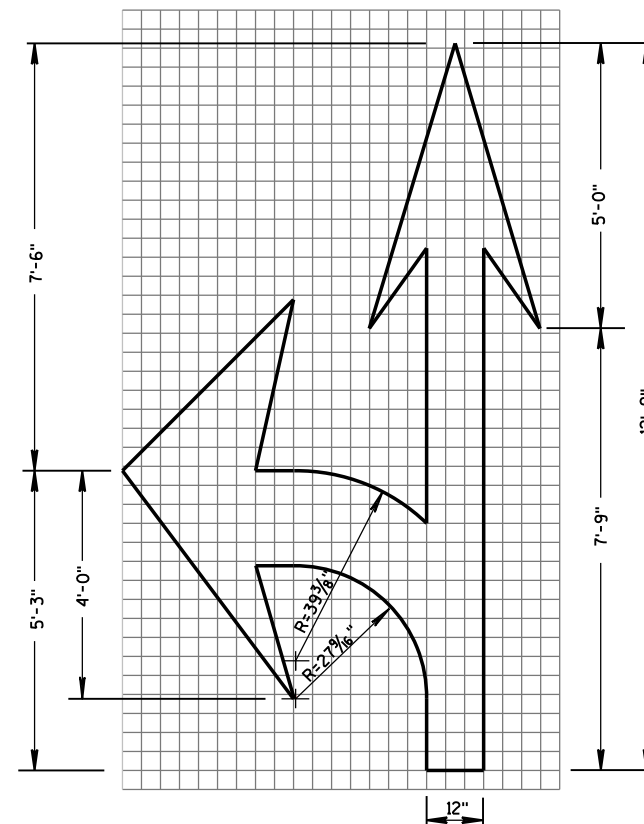
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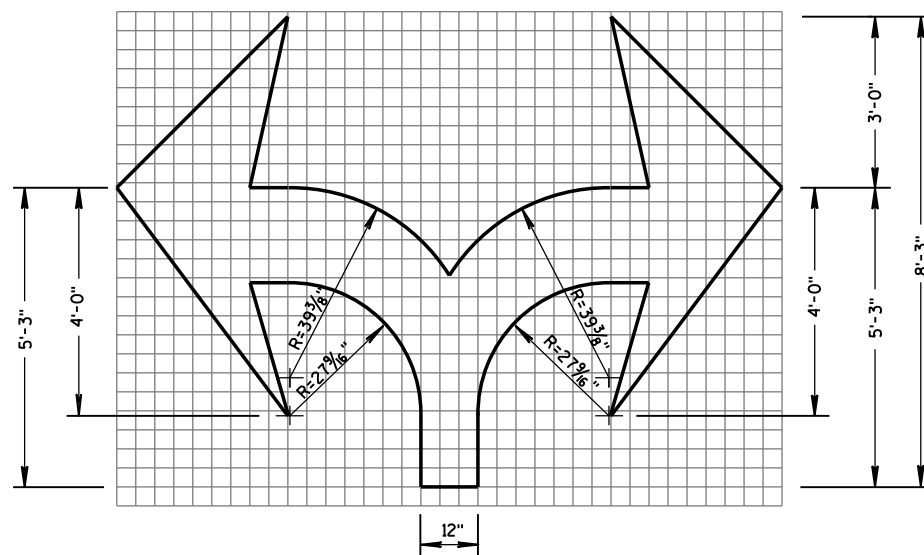
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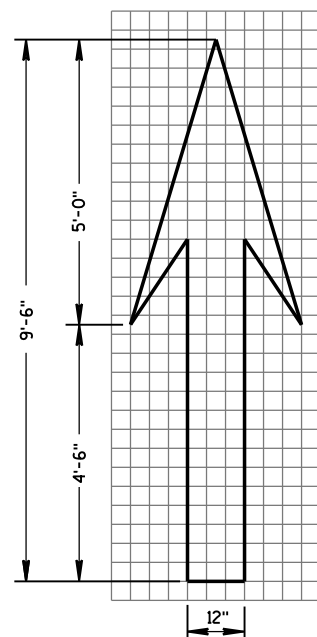
TYPE 4



TYPE 3



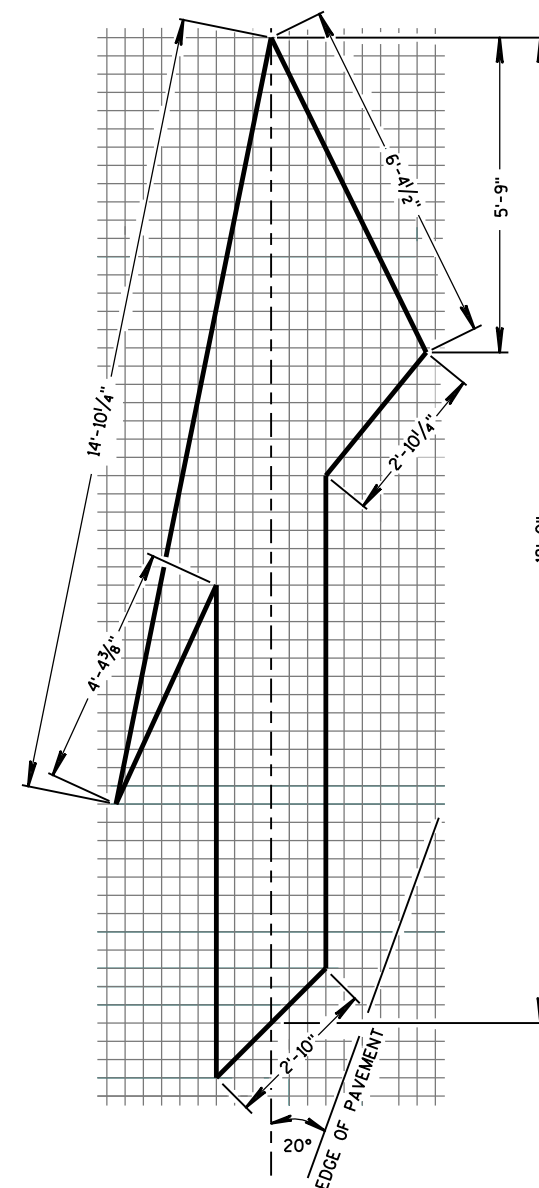
TYPE 7



TYPE 1

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 5 LANE DROP ARROW

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

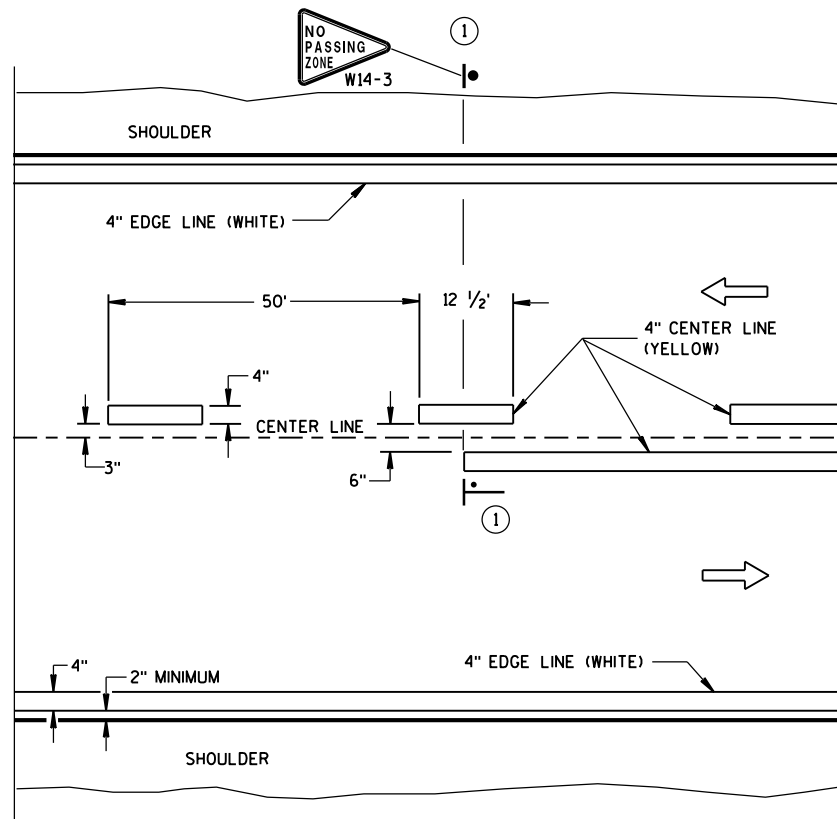
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June 2017

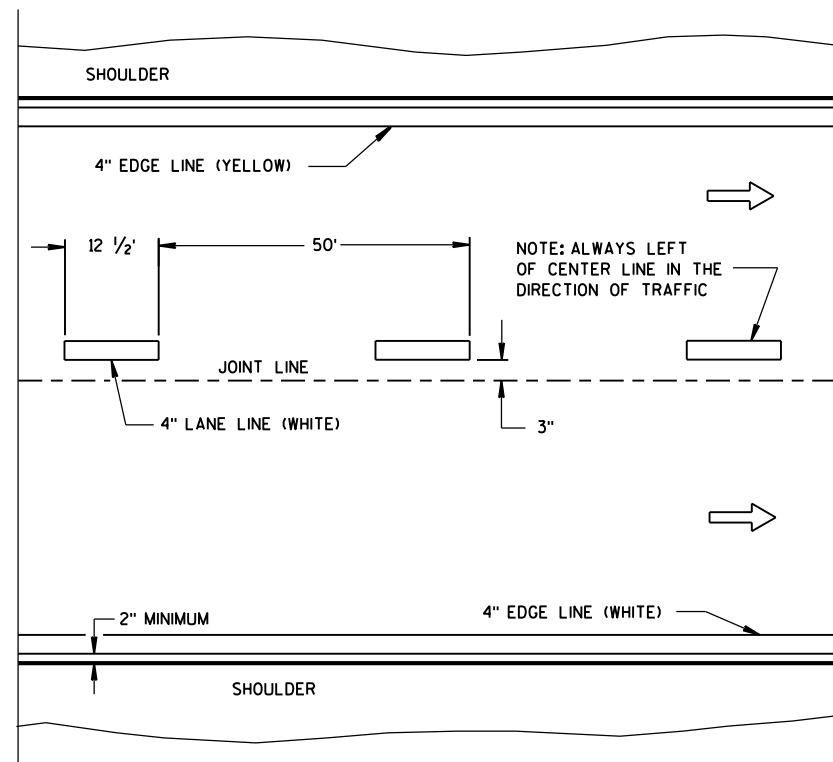
DATE

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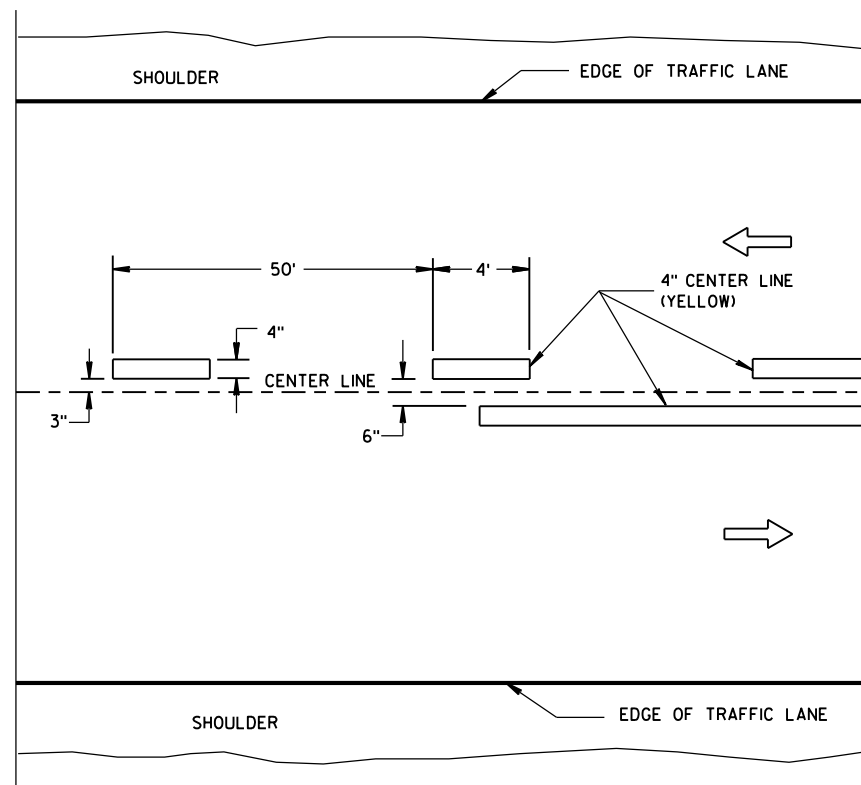


TWO WAY TRAFFIC

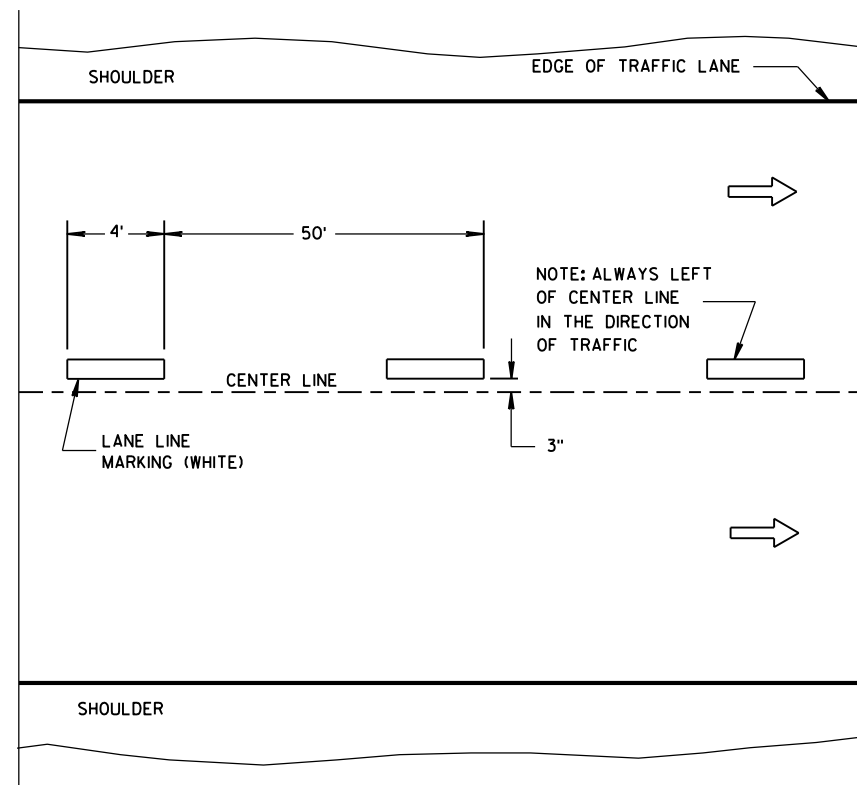


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

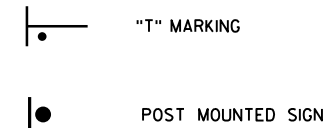
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

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

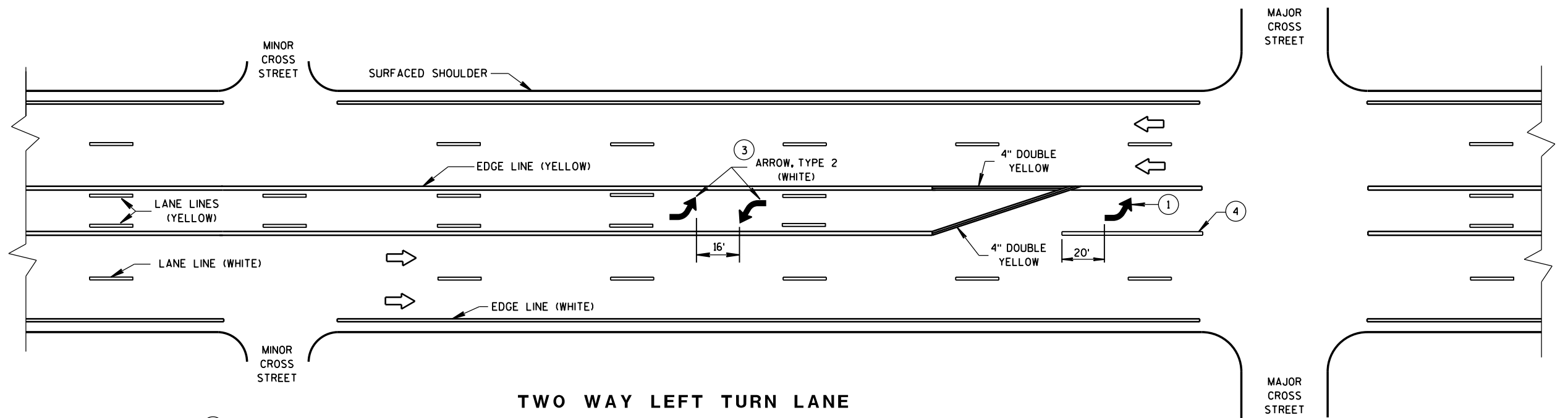
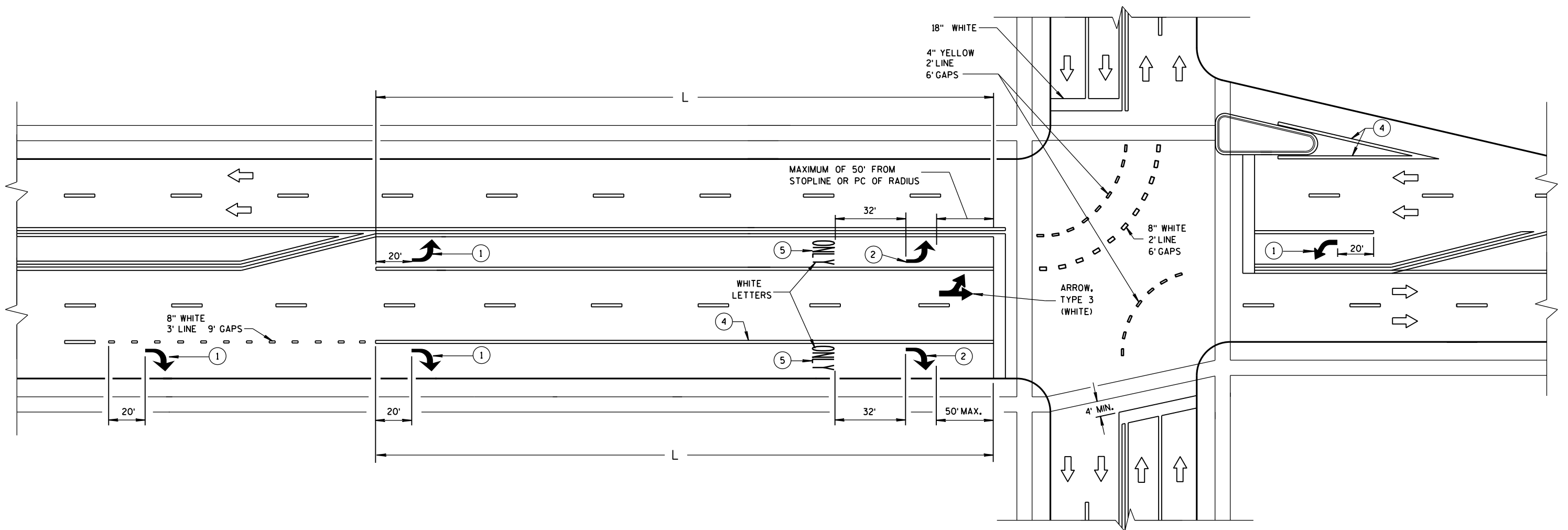
NOTE

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

LEGEND




LONGITUDINAL MARKING (MAINLINE)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017	<u>/S/ Matthew R. Rauch</u>
DATE	STATE SIGNING AND MARKING ENGINEER
FHWA	



GENERAL NOTES

- ① REQUIRED ARROW, TYPE 2 (WHITE).
- ② REQUIRED ARROW, TYPE 2 (WHITE) WHEN L IS GREATER THAN 78 FEET AND LESS THAN OR EQUAL TO 166 FEET.
- ③ A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- ④ 8" WHITE
- ⑤ REQUIRED WORD ONLY WHEN L IS GREATER THAN 166 FEET.

TWO WAY LEFT TURN LANE

NOTE:
ARROW SYMBOL ()
SHOWS DIRECTION OF TRAVEL

L = LENGTH OF TURN BAY

PAVEMENT MARKING
(TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

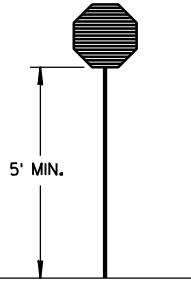
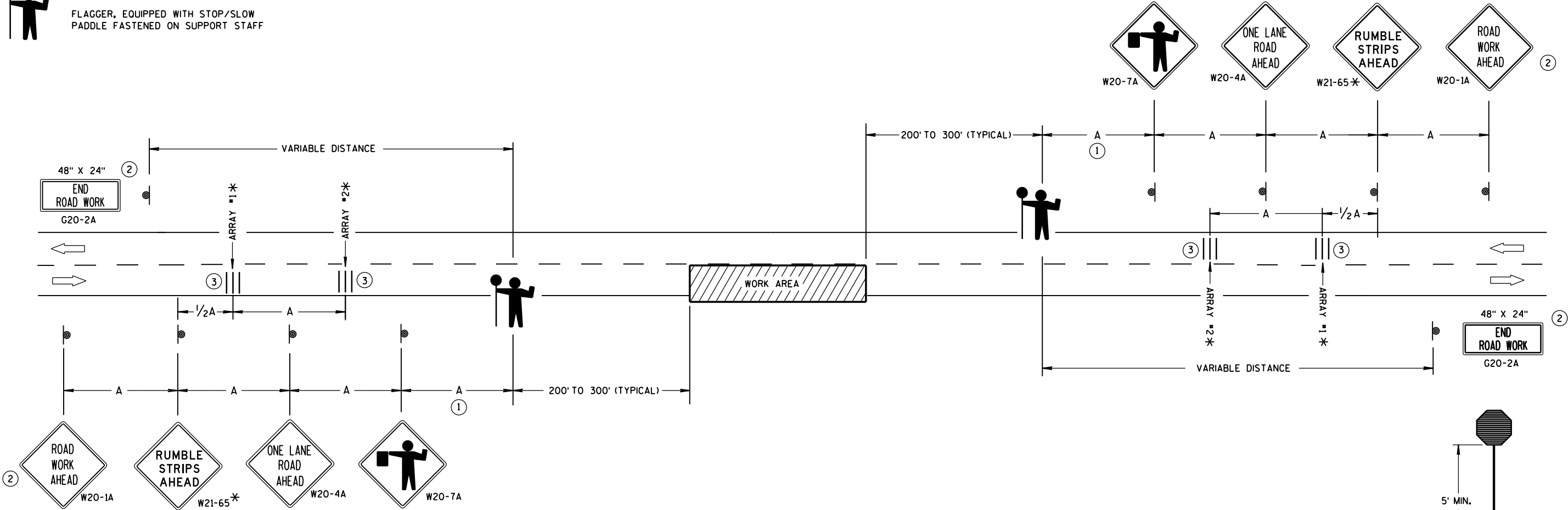
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING A
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 W20-4A SIGNS, USING SPACING A.



STOP/SLOW PADDLE ON SUPPORT STAFF

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

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.

"W0" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

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, REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

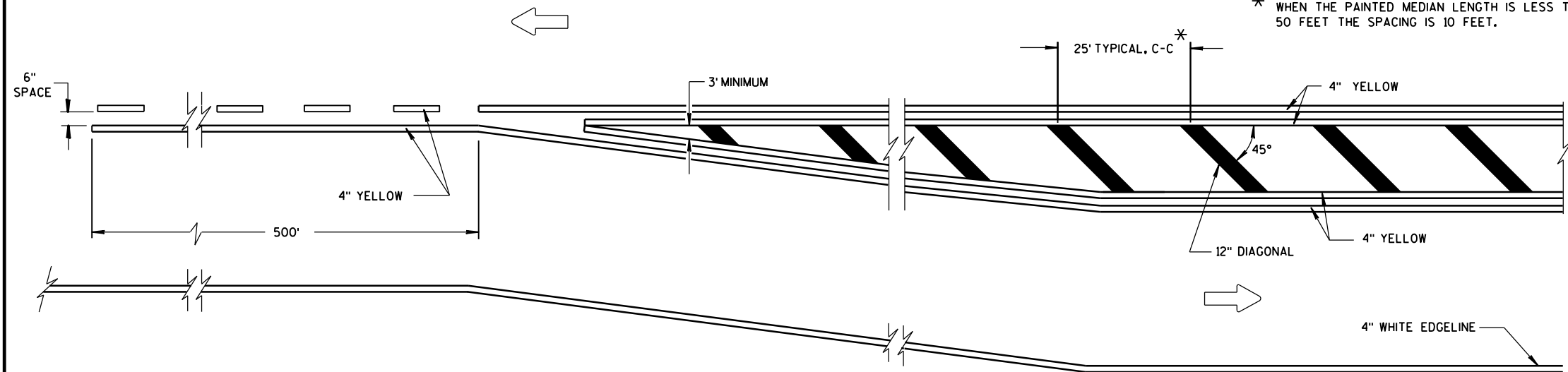
* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

- FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 /S/ Andrew Heldtke
DATE WORK ZONE ENGINEER
FHWA

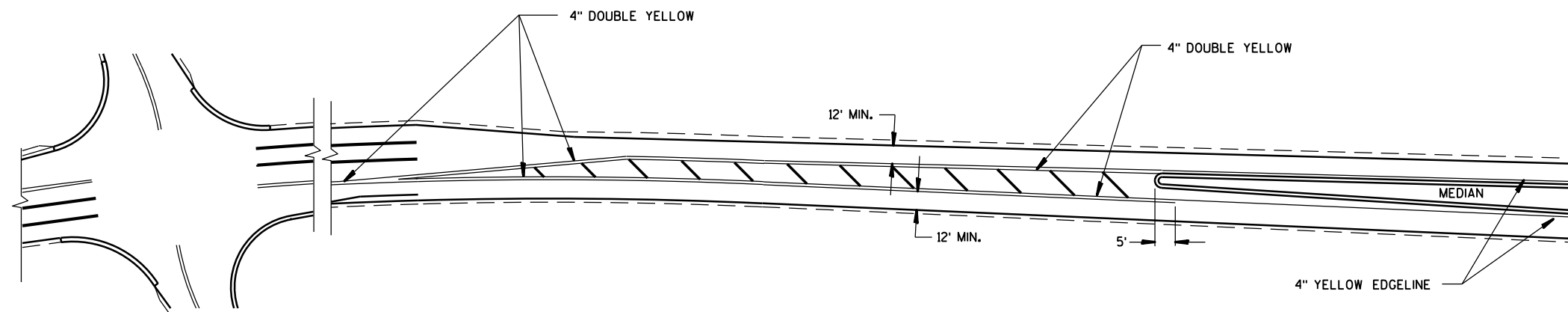


MEDIAN ISLAND DETAIL

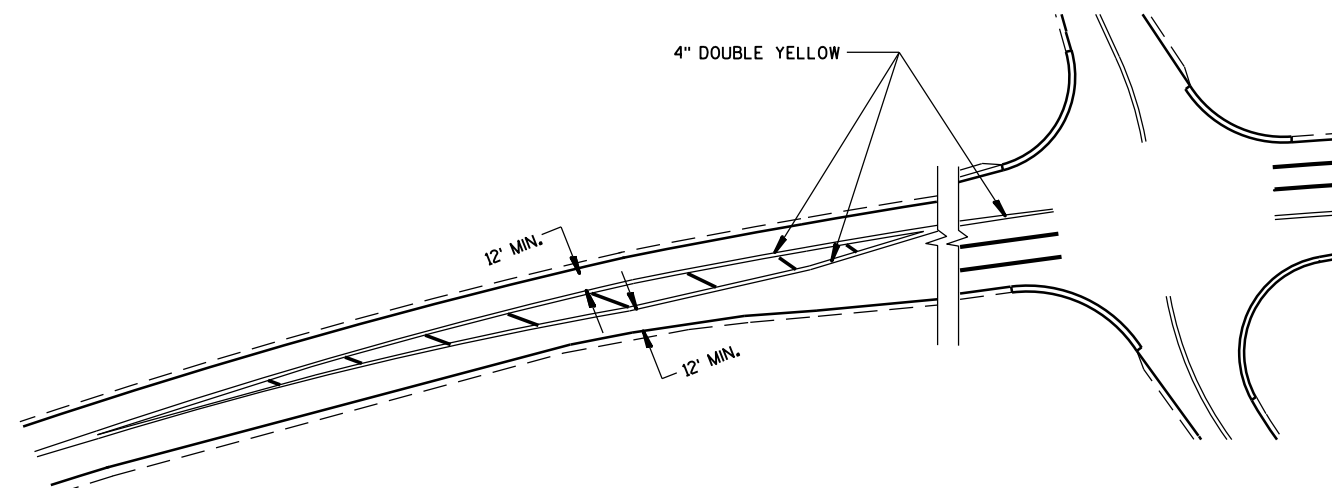
GENERAL NOTE

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

➡ DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES

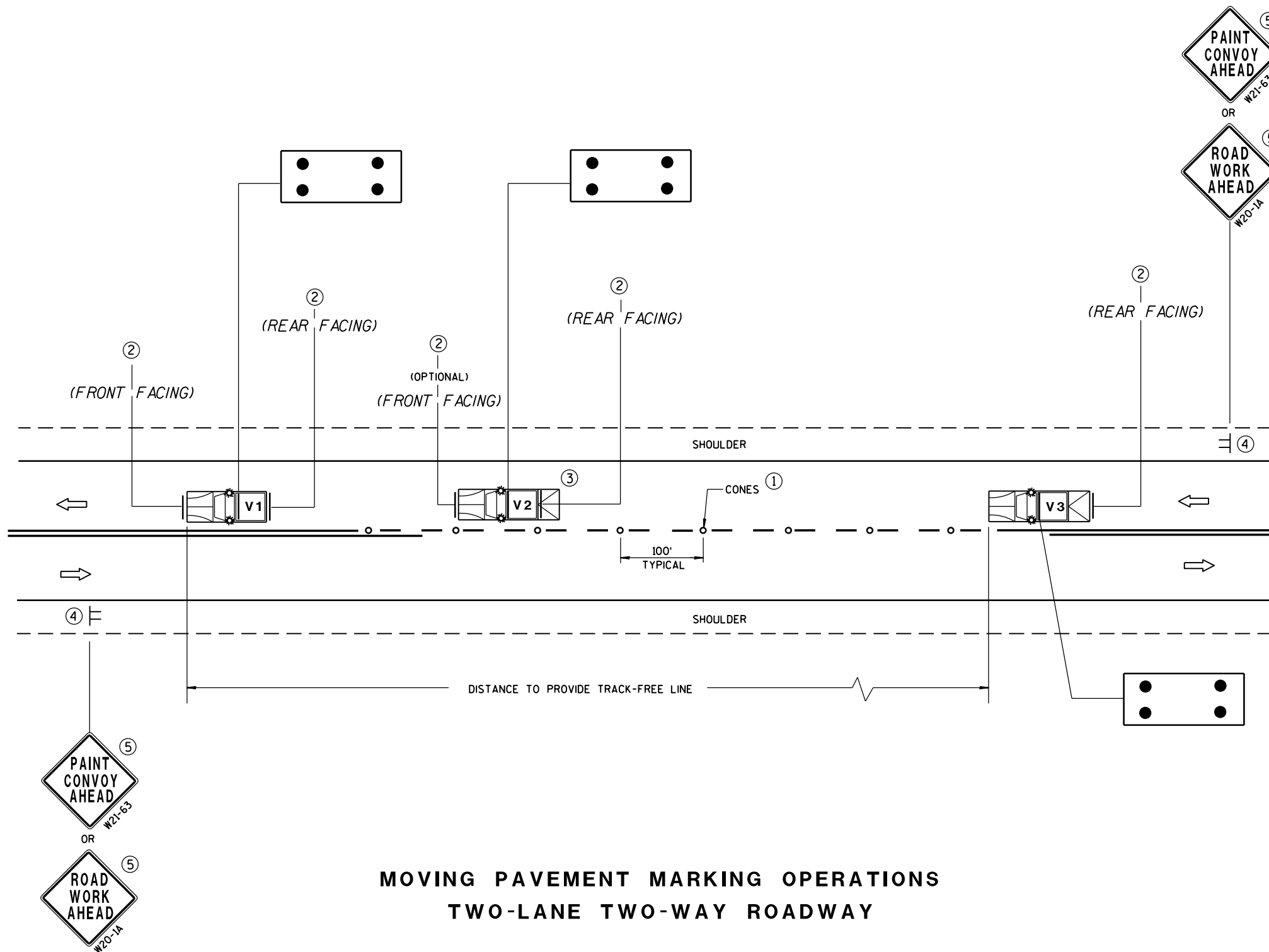


NON APPROACH MARKINGS

MEDIAN ISLAND MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

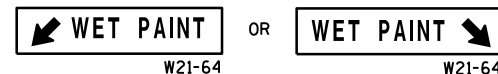
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

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

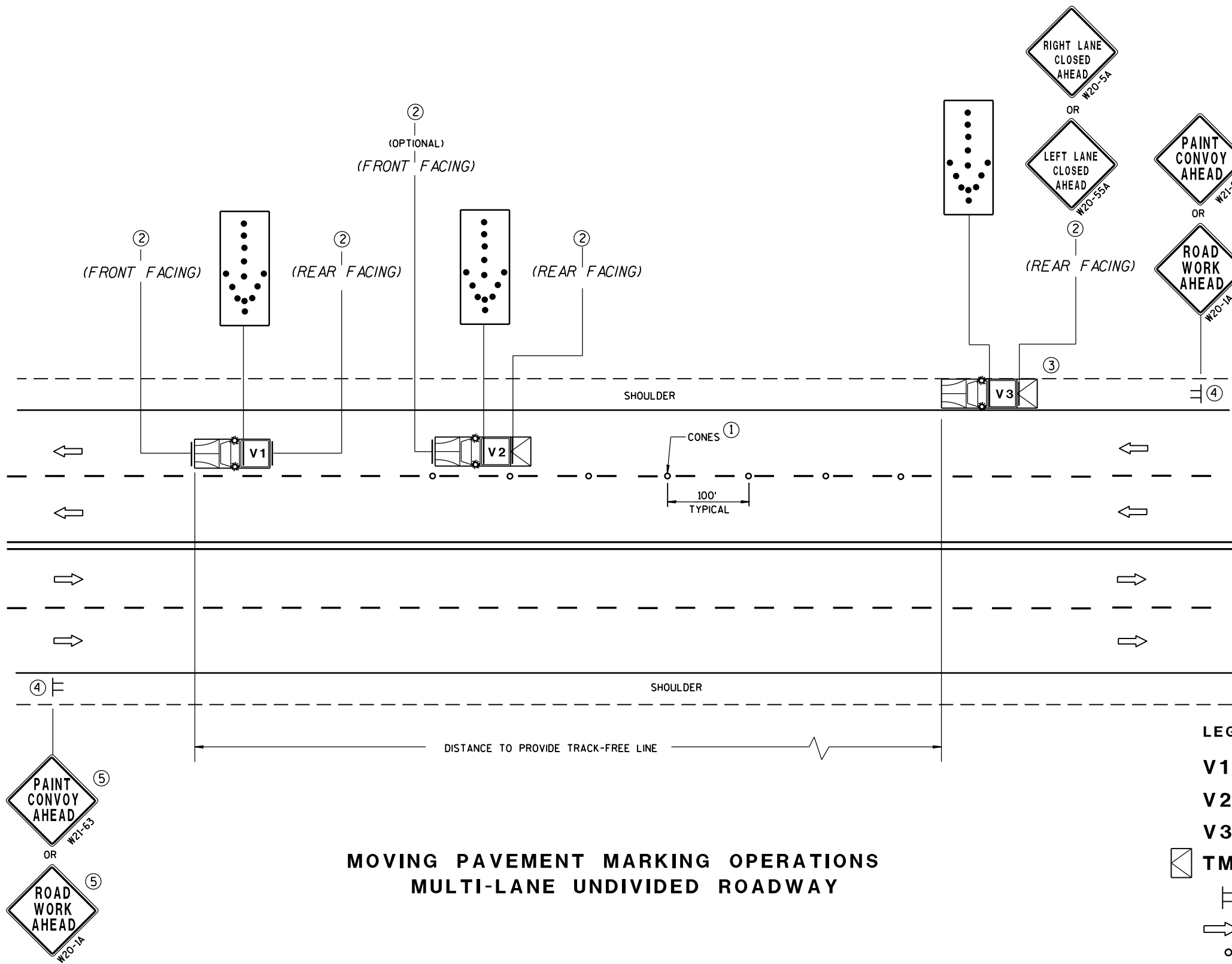
 FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016
DATE
FHWA

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

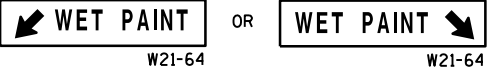


MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE UNDIVIDED ROADWAY

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.

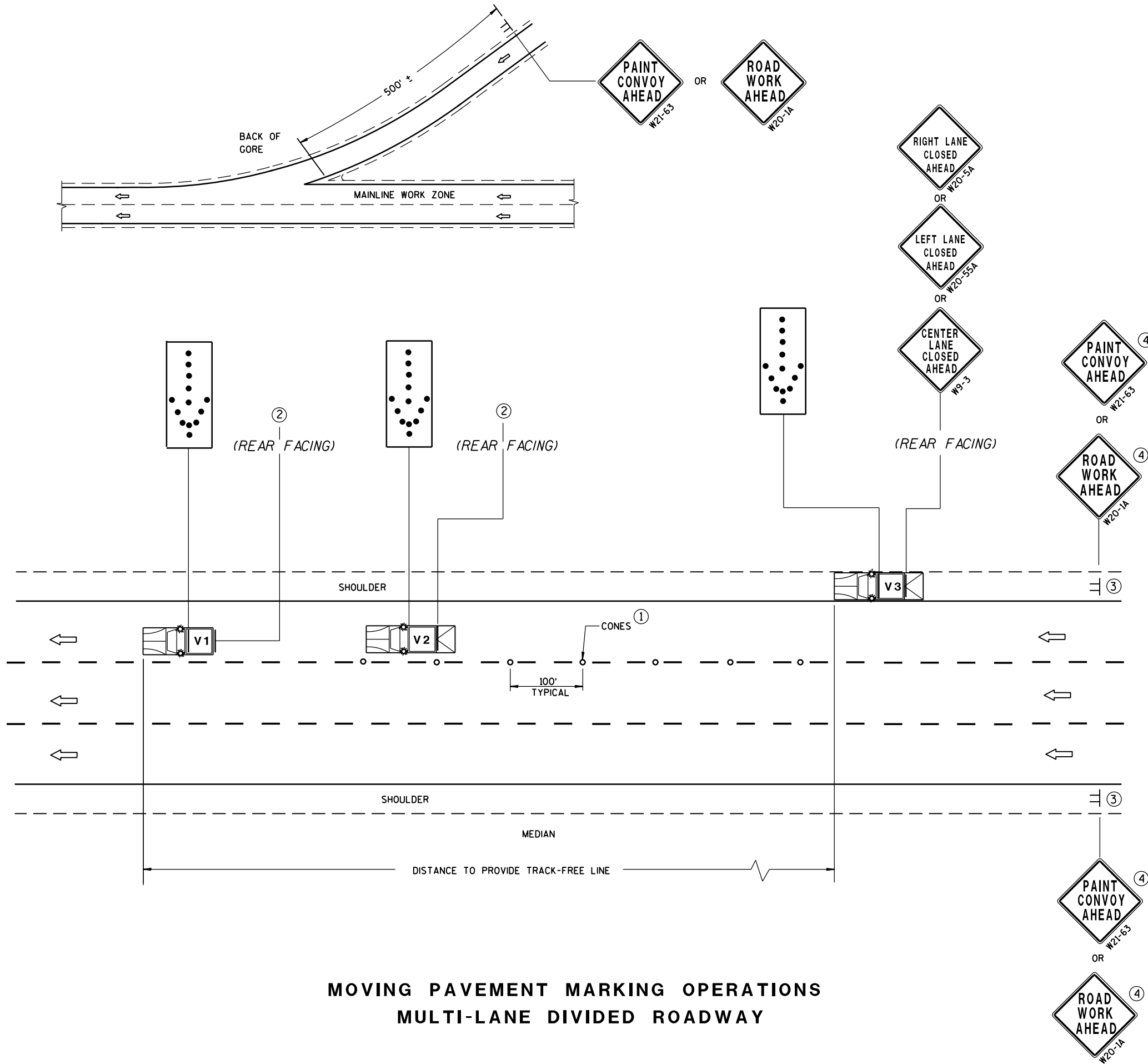


LEGEND

- 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 June 2016 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. 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 EDGELINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

- ① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- ② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.
- ③ 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
June 2016 /S/ Peter Amakobe Atepe
DATE STATEWIDE WORK ZONE TRAFFIC
FHWA SAFETY ENGINEER

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.

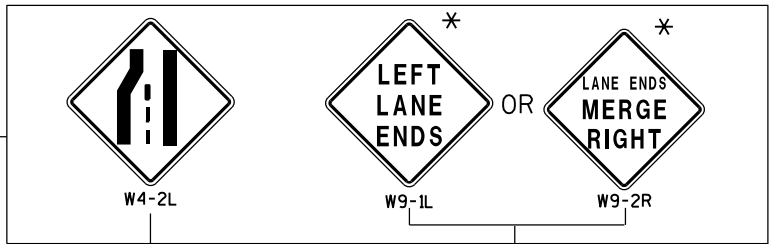
SYMBOLS

- * 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

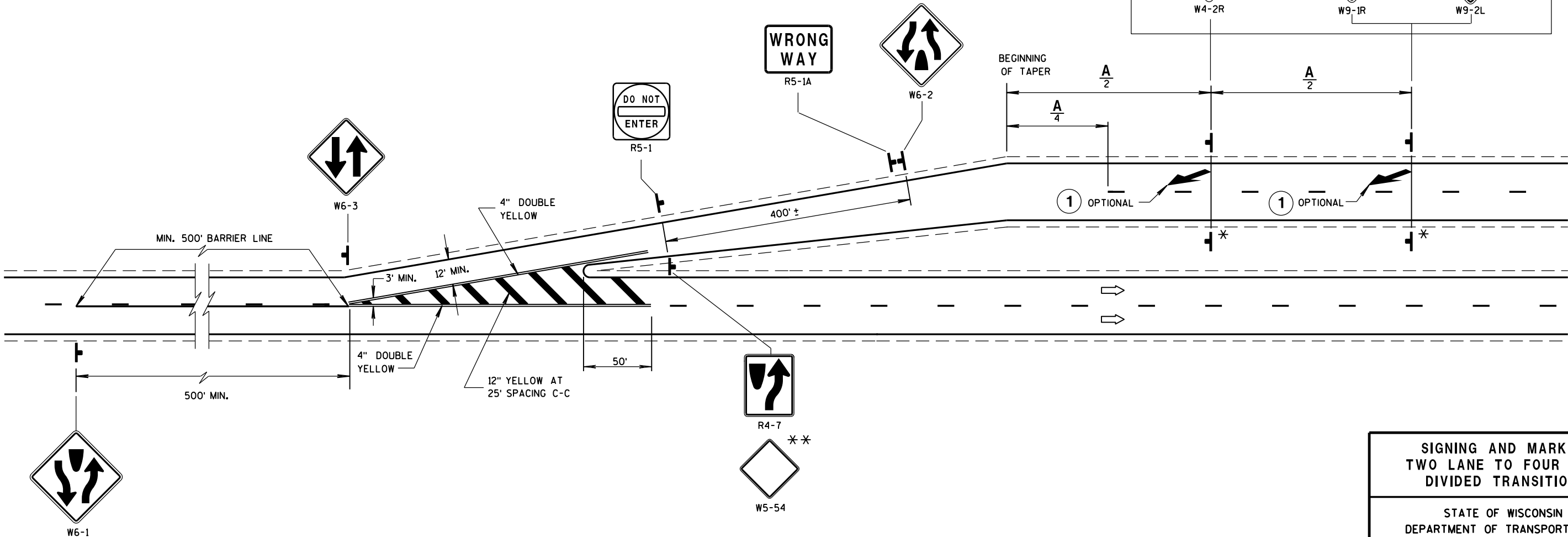
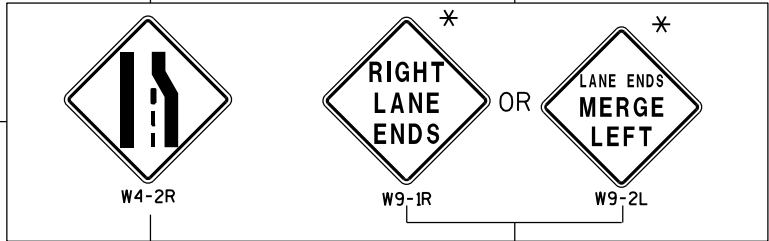
DISTANCE TABLE

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

OPTION 2



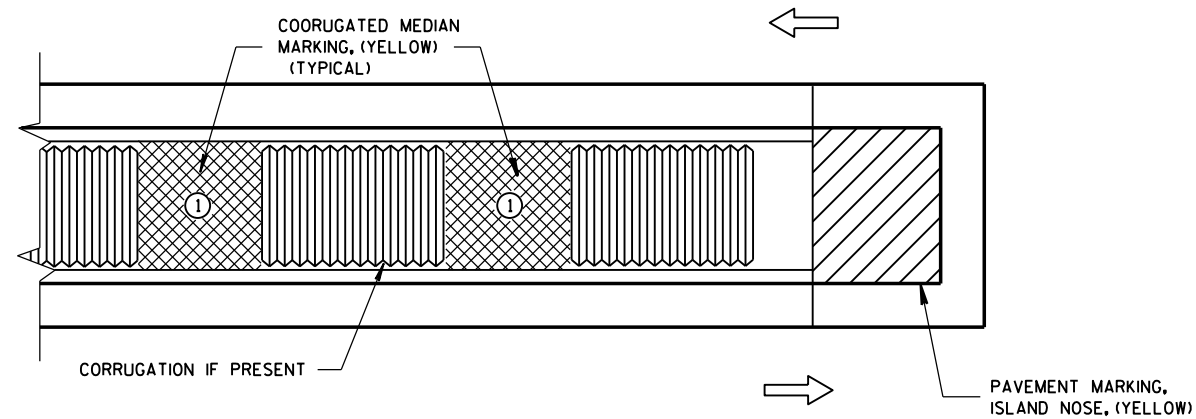
OPTION 1



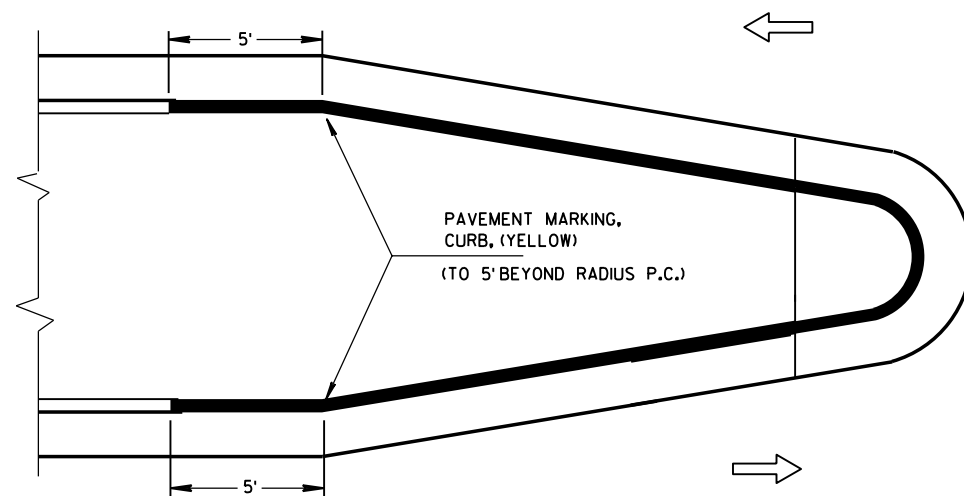
SIGNING AND MARKING
TWO LANE TO FOUR LANE
DIVIDED TRANSITIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

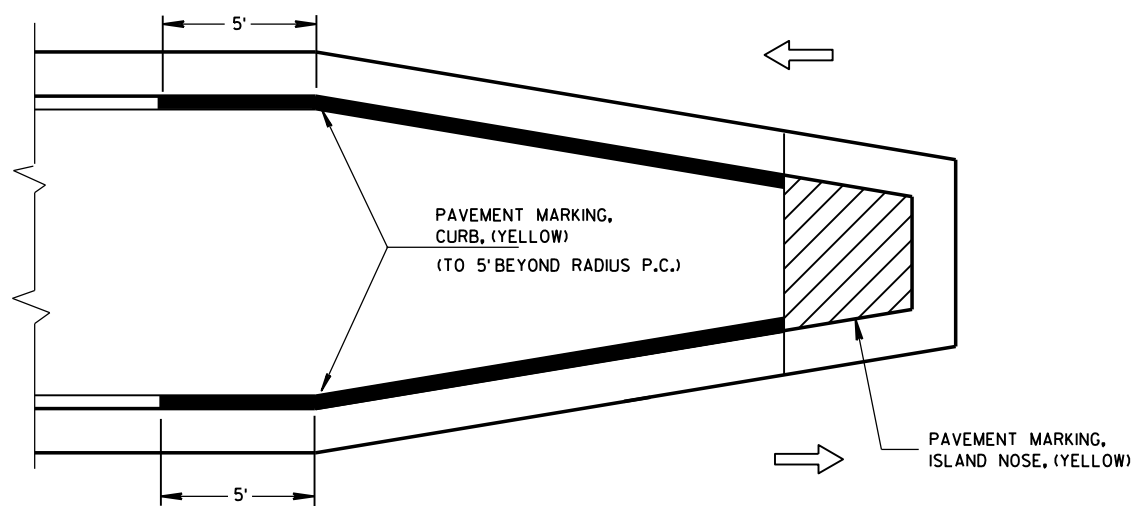
APPROVED
June 2017 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE

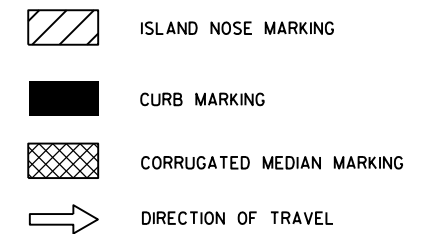


MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

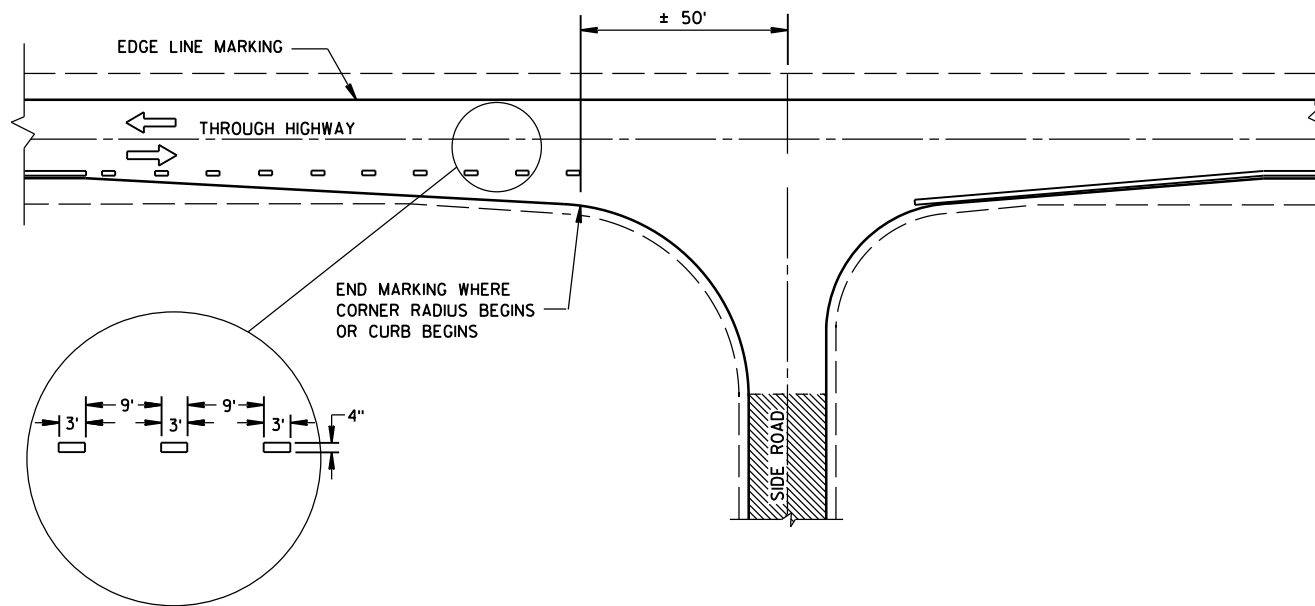
- ① WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



PAVEMENT MARKING (ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



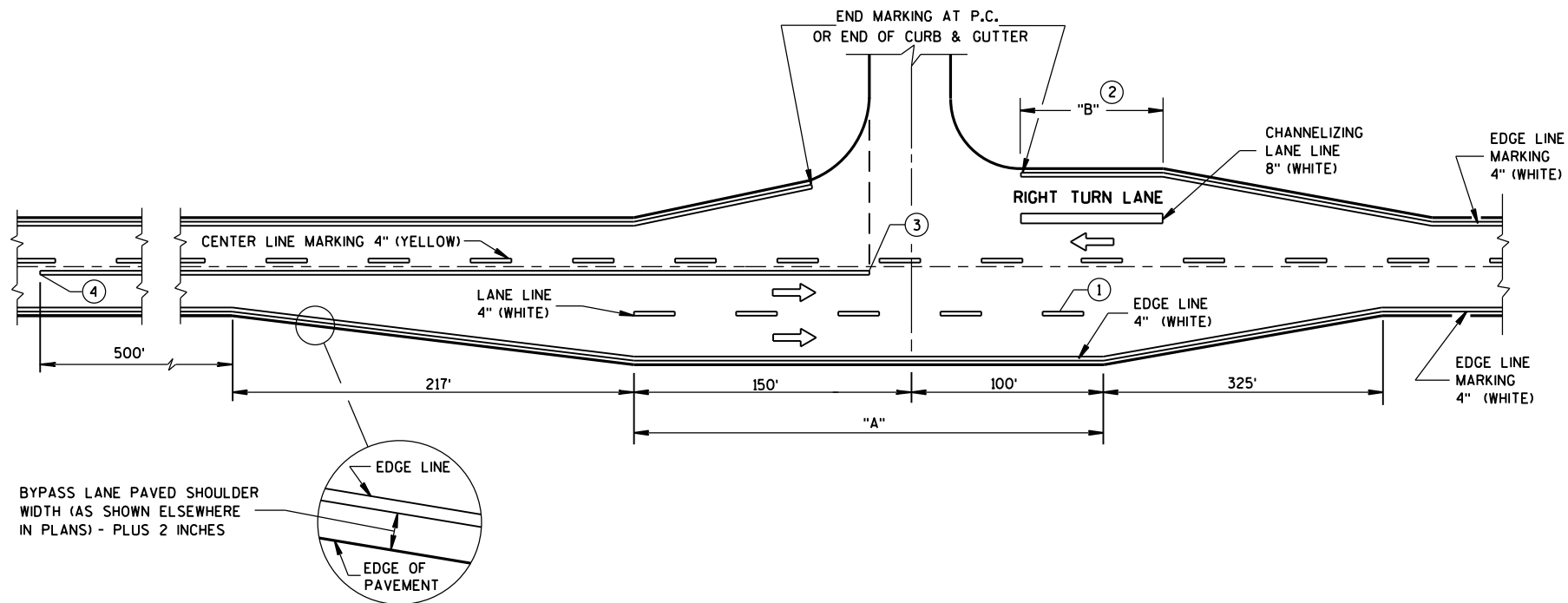
MINOR INTERSECTION WITHOUT CURBS

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

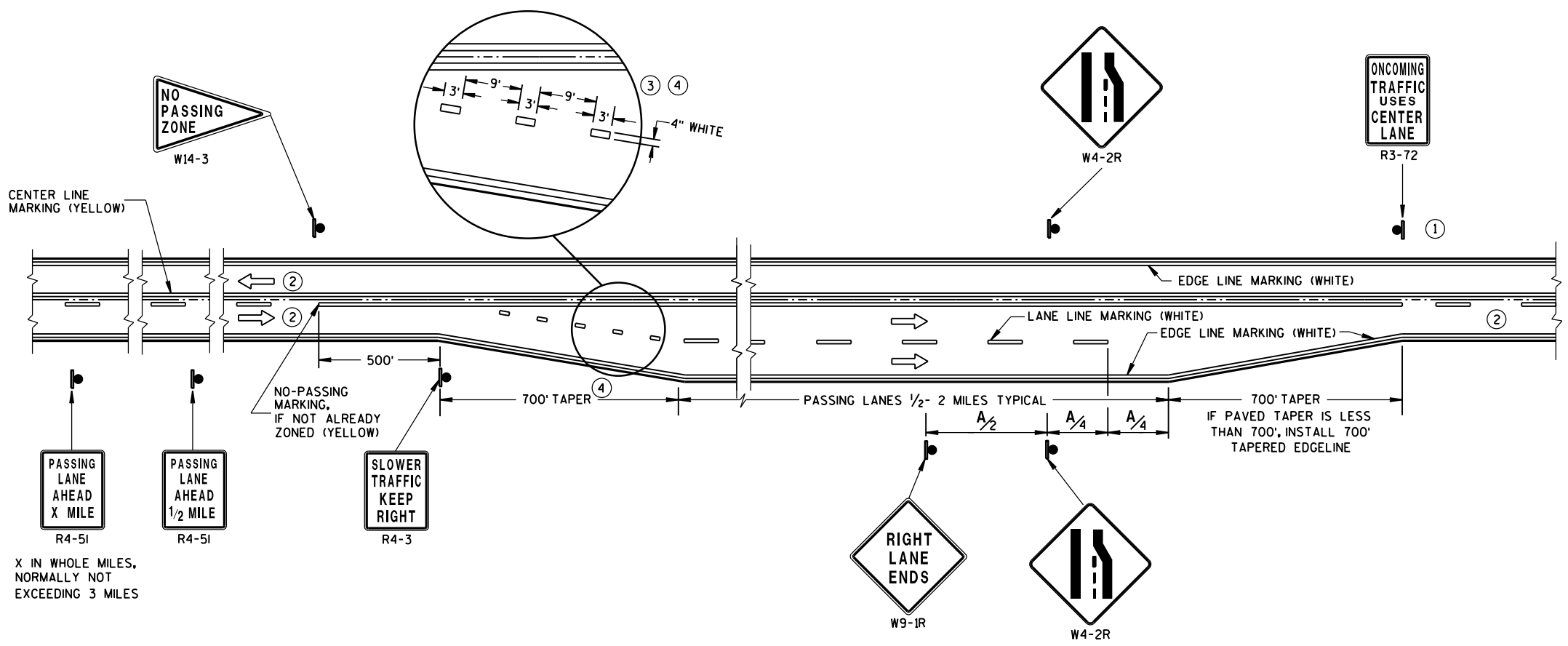
ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL



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

**PAVEMENT MARKING
(INTERSECTIONS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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

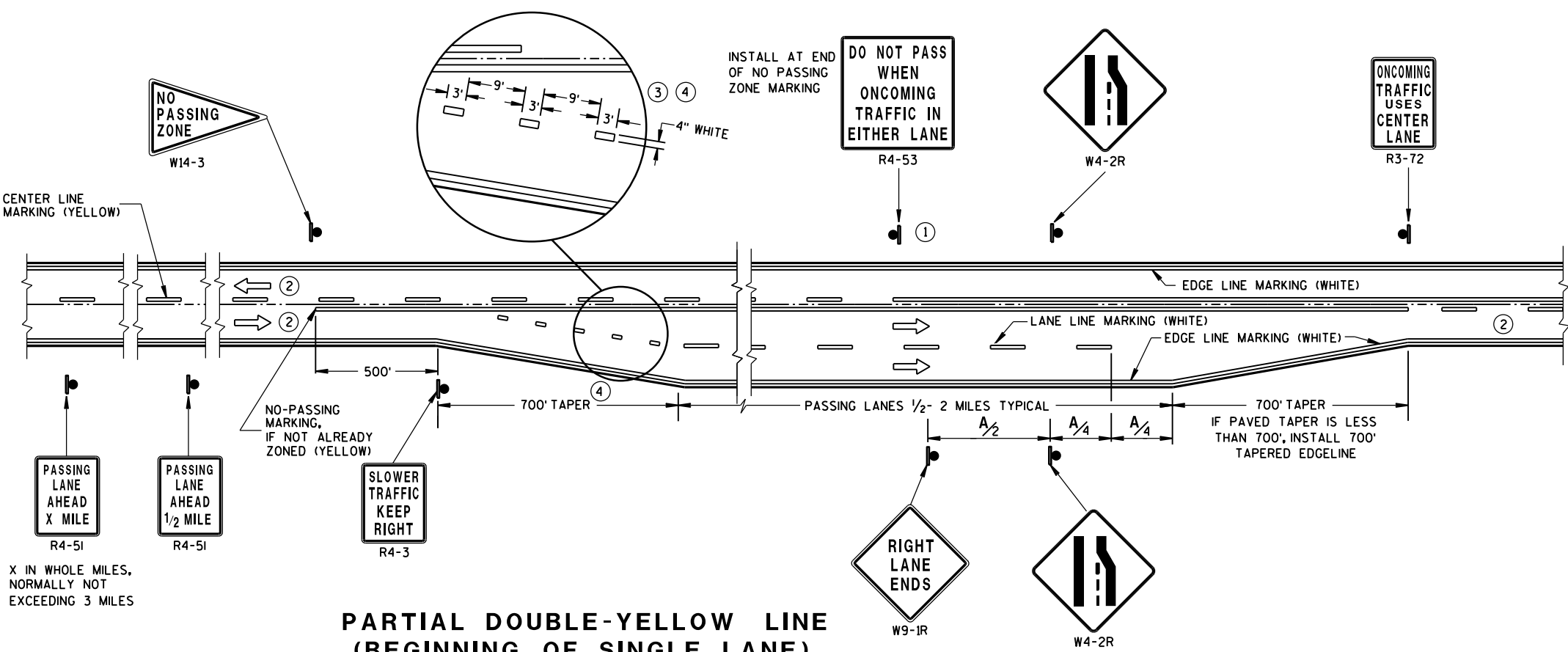
GENERAL NOTES

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

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

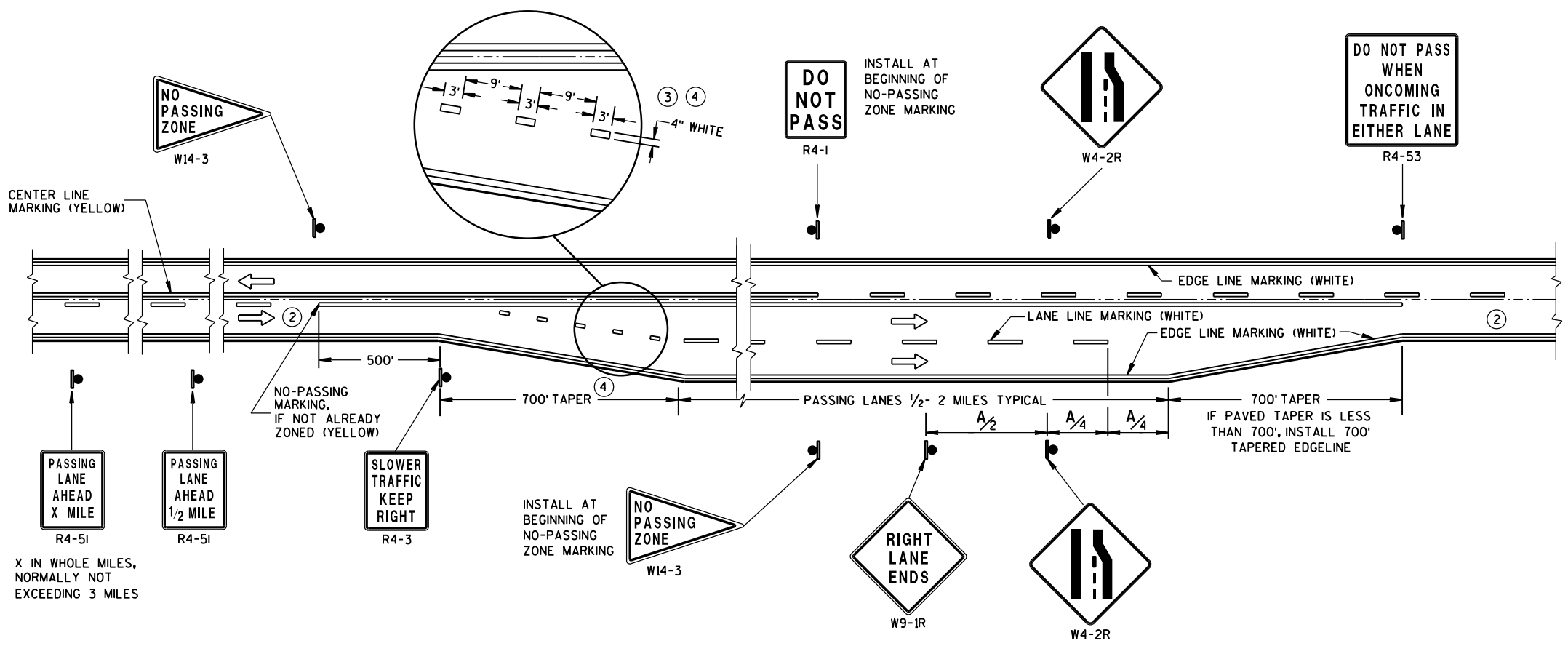
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950



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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



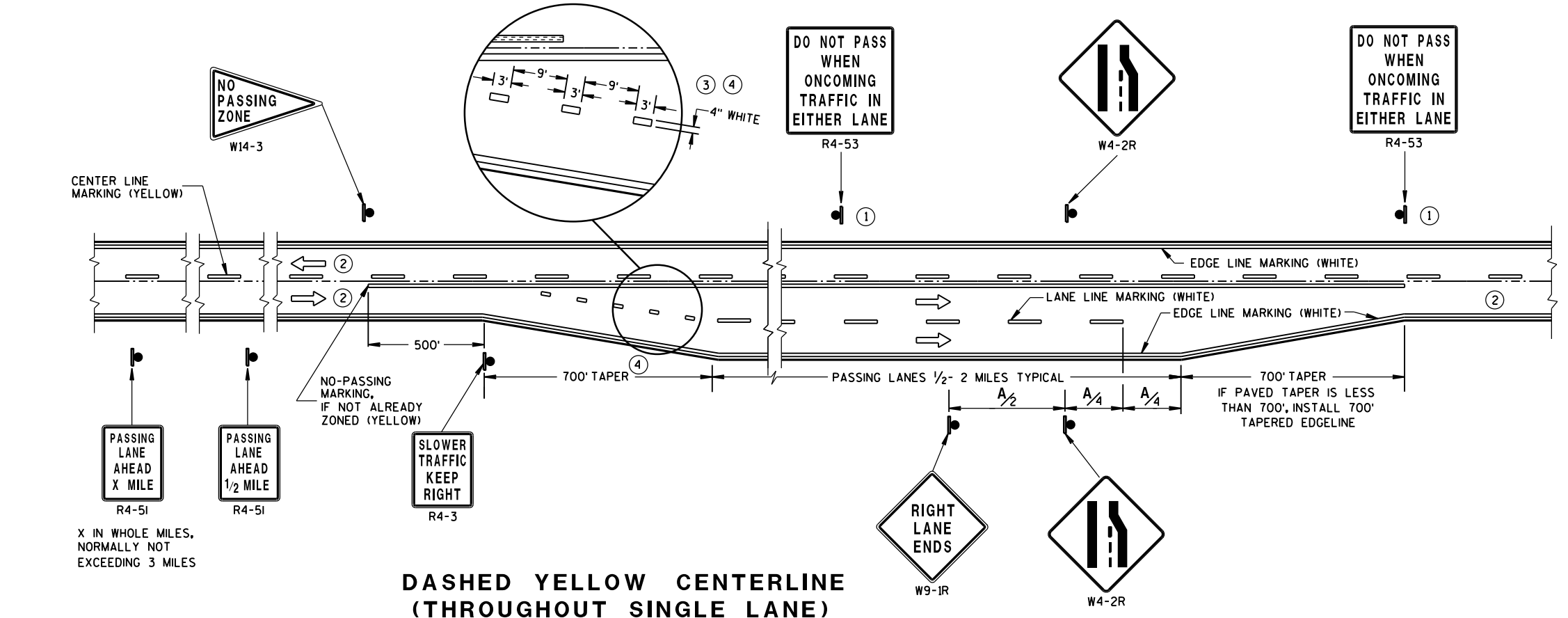
**SOLID DOUBLE-YELLOW LINE
(END OF SINGLE LANE)**

GENERAL NOTES

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

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

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



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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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