

GRE

PROJECT ID: 1009-34-33

WITH: N/A

COUNTY: NE REGION WIDE

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

EPOXY PAVEMENT MARKING-STH/USH FY 21

LOCATIONS ON STN PER ANNUAL PLAN

VAR HWY

NORTHEAST REGION WIDE

STATE PROJECT NUMBER

1009-34-33

BROWN CO12.50 MILES

CALUMET CO12.00 MILES

FOND DU LAC CO5.00 MILES

MANITOWOC CO15.0 MILES

OCONTO CO6.5 MILES

OUTAGAMIE CO22.5 MILES

SHEBOYGAN CO26.0 MILES

WINNEBAGO58.4 MILES

TOTAL157.90 MILES

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor

Designer

Project Manager

Regional Examiner

Regional Supervisor

APPROVED FOR THE DEPARTMENT

DATE

10/29/2020

11/18/2020

Eric Sikorski, P.E.

(Signature)

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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 = 46

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

FILE NAME : N:\PDS\C3D\10093433\SHEETSPLAN\010101-TL.DWG

PLOT DATE : 11/18/2020 6:21 AM

PLOT BY : MARTENS, JOHN M

PLOT NAME :

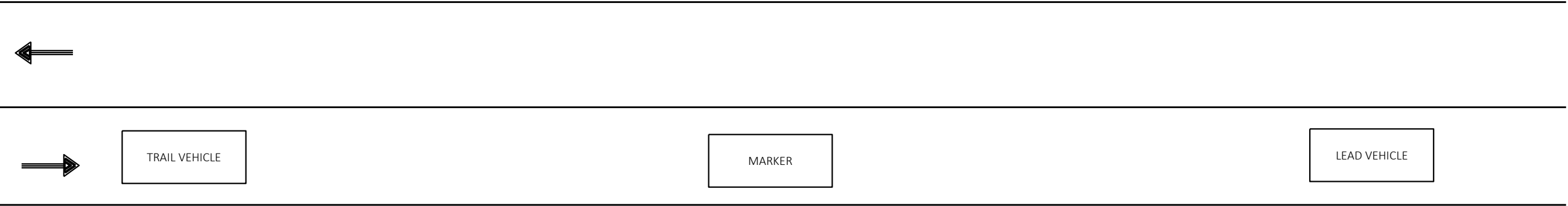
GENERAL NOTES

THERE ARE NO UTILITY ADJUSTMENTS NECESSARY TO ACCOMMODATE THE WORK UNDER THIS PROJECT.



ORDER OF SHEETS

- TITLE SHEET
- GENERAL NOTES
- CONSTRUCTION DETAIL
- PAVEMENT MARKING LOCATION MAP
- MISCELLANEOUS QUANTITIES



FRONT AND REAR ARROW BOARDS

SIGN FACING REAR
"ROADWAY MARKING"
* VEHICLE CONVOY
WET ** LINE

REAR ARROW BOARD

SIGN FACING REAR
"WET PAINT/EPOXY"
FREQUENT STOPS

FRONT AND REAR ARROW BOARDS

SIGN FACING FRONT
"ROADWAY MARKING"
KEEP RIGHT

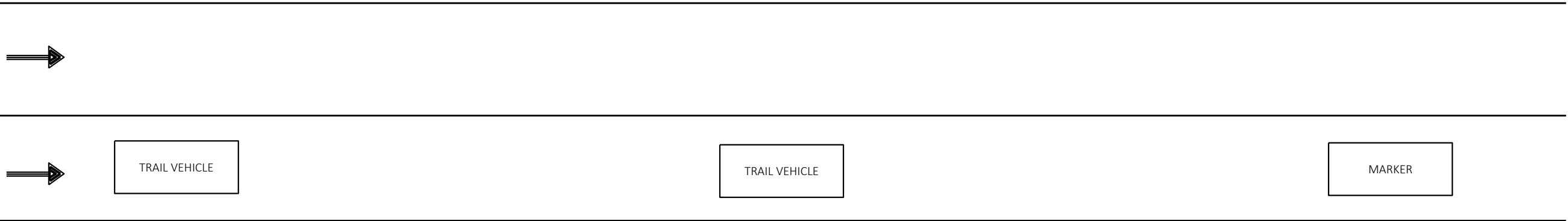
SIGN FACING REAR
"ROAD MARKING"
* VEHICLE CONVOY
WET ** LINE

NOTE:

ALL VEHICLES SHALL HAVE FLASHING WARNING LIGHTS,
FRONT AND REAR.
PAINT GUN CARRIAGES, RIGHT AND LEFT, SHALL HAVE
FLASHING CLEARANCE MARKER LIGHTS, YELLOW TO THE
FRONT AND RED TO THE REAR, ON THE OUTSIDE OF THE
OUTRIGGER ASSEMBLY.

CONVENTIONAL ROADWAYS

- * NUMBER OF VEHICLES IN CONVOY
- ** COLOR OF MARKING MATERIAL

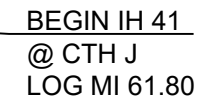


SIGN
"ROADWAY MARKING"
* VEHICLE CONVOY
WET ** LINE

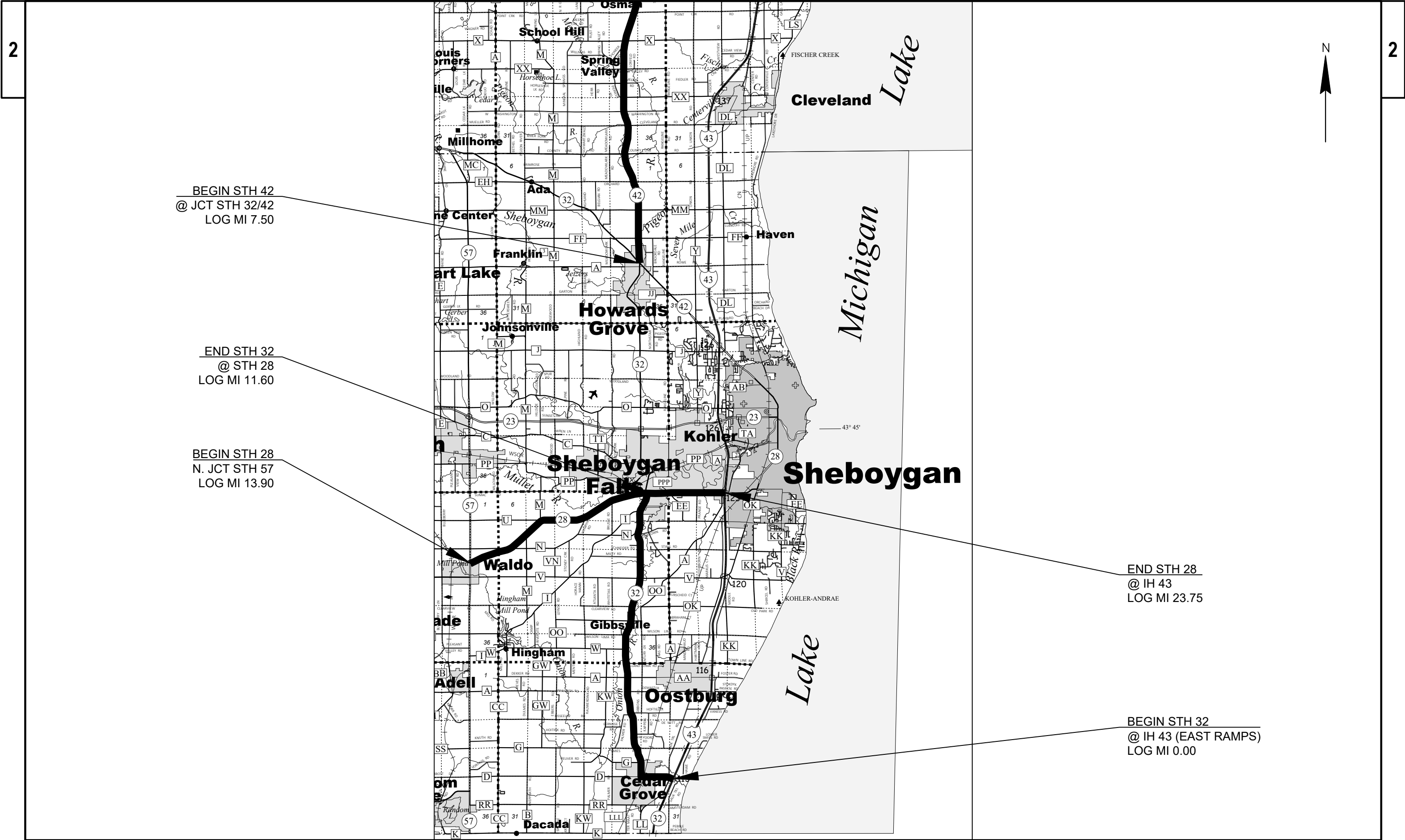
SIGN
"ROADWAY MARKING"
* VEHICLE CONVOY
WET ** LINE

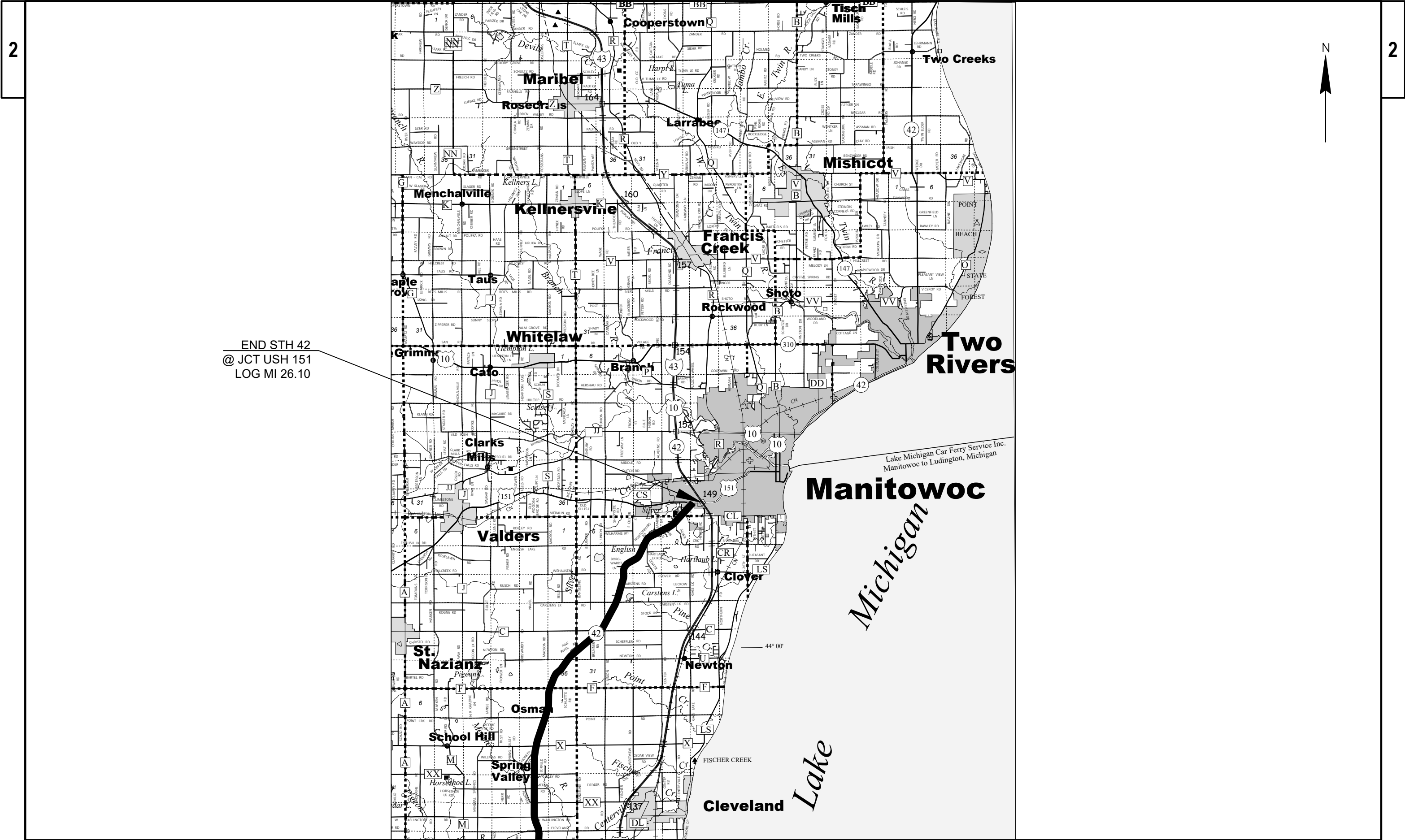
SIGN
"WET PAINT/EPOXY"
FREQUENT STOPS

DIVIDED ROADWAYS
(ALL SIGNS AND ARROW BOARDS FACING REAR)

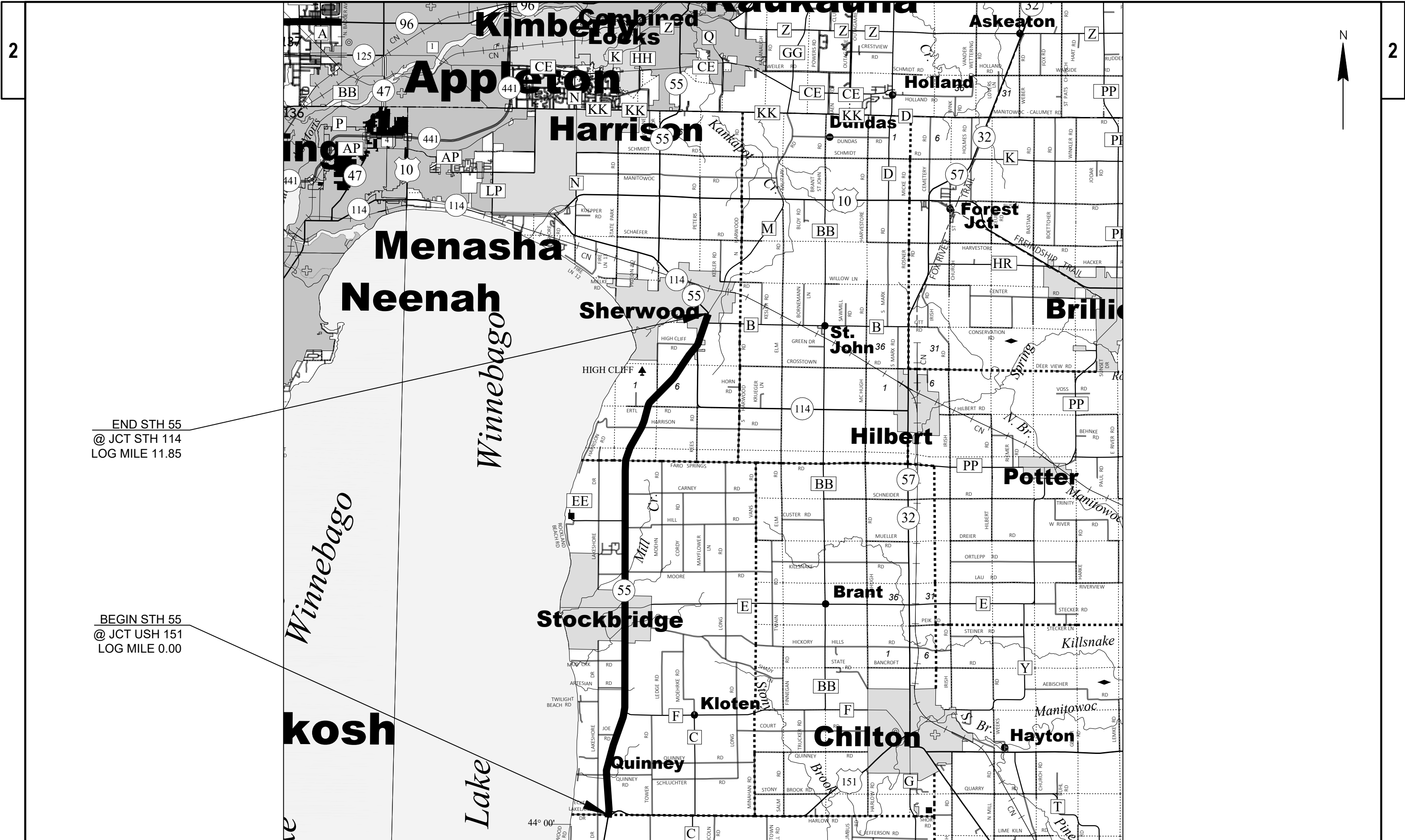


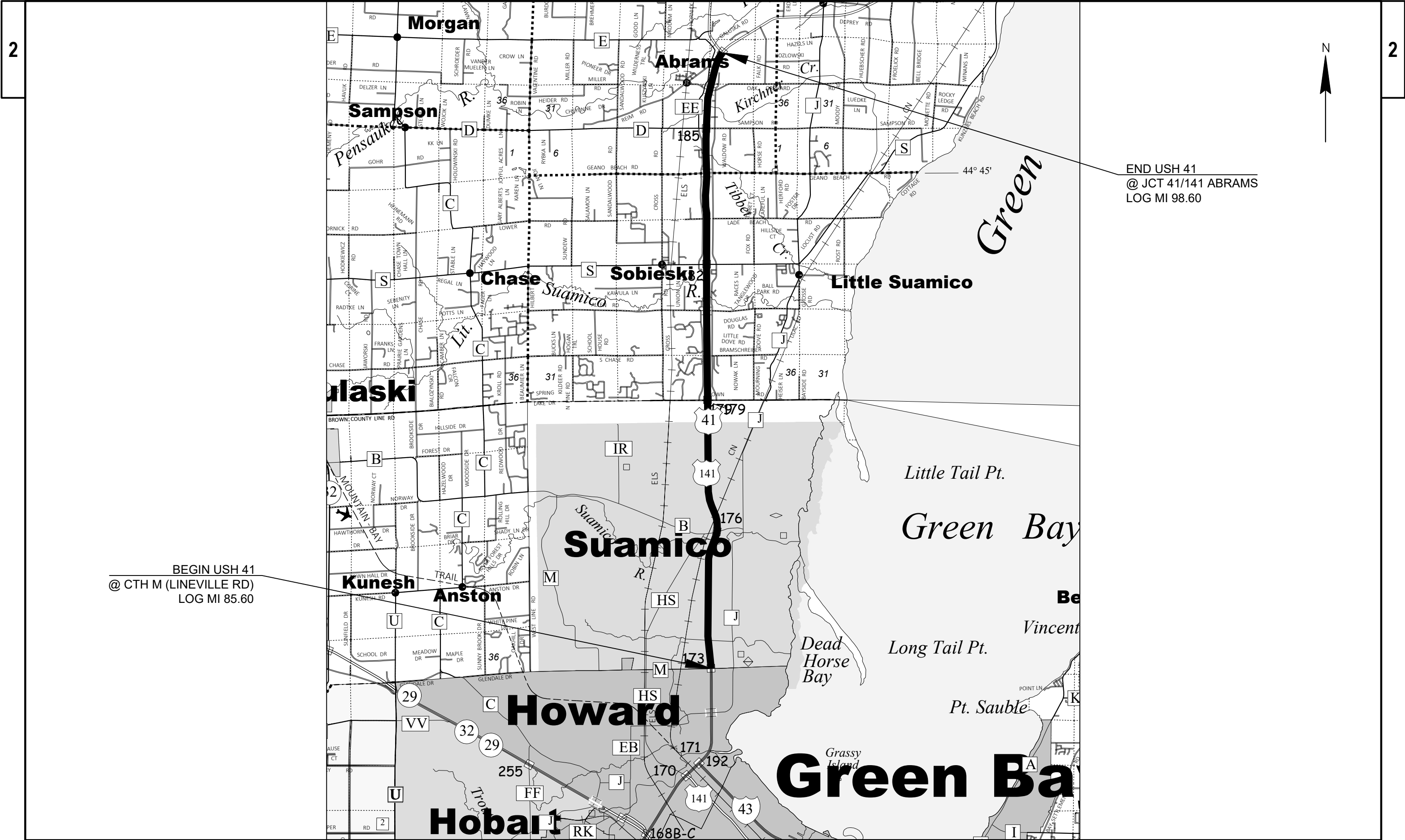
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PROJECT NO: 1009-34-33	HWY: VARIES	COUNTY: VARIES	PAVEMENT MARKING LOCATION MAP	SHEET	E
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PROJECT NO: 1009-34-33	HWY: VARIES	COUNTY: VARIES	PAVEMENT MARKING LOCATION MAP	SHEET	E
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Estimate Of Quantities

1009-34-33					
Line	Item	Item Description	Unit	Total	Qty
0002	619.1000	Mobilization	EACH	1.000	1.000
0004	646.1020	Marking Line Epoxy 4-Inch	LF	2,492,870.000	2,492,870.000
0006	646.3020	Marking Line Epoxy 8-Inch	LF	37,910.000	37,910.000
0008	646.5020	Marking Arrow Epoxy	EACH	105.000	105.000
0010	646.5120	Marking Word Epoxy	EACH	75.000	75.000
0012	646.5320	Marking Railroad Crossings Epoxy	EACH	2.000	2.000
0014	646.5420	Marking Aerial Enforcement Bar Epoxy	EACH	148.000	148.000
0016	646.6120	Marking Stop Line Epoxy 18-Inch	LF	1,450.000	1,450.000
0018	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	20.000	20.000
0020	SPV.0105	Special 01. Traffic Control 1009-34-33	LS	1.000	1.000

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.1020 EPOXY 4-INCH			646.3020 EPOXY 8-INCH LF	646.5420 Aerial Enforcement Epoxy 24-Inch Each	646.5020 Arrows Epoxy Type 2 Each	646.5020 Arrows Epoxy Type 3 Each	646.5020 Arrows Epoxy Type 2R Each	646.5120 Words Epoxy ONLY Each	646.6120 STOP LINE EPOXY 18-INCH LF	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF								
USH 41		17.00											
From: STH 26	24.10												1/2 Mi South of STH 26 @ Pavement change
To: Breezewood Lane	41.15												
North Bound			79,000		90,100								Mainline Edge Lines
STH 26 Exit Ramp			1,960		1,200								Ramp Edge Lines
STH 26 On Ramp			2,000		625								Ramp Edge Lines
STH 44 Exit Ramp			1,680	165	1,000	510		1	1			30	Ramp Edge Lines/Duel turn to STH 44 SB
STH 44 On Ramp			1,680	75	475								Ramp Edge Lines/Dashes
9th Ave Exit			1,200		560								Ramp Edge Lines
9th Ave On Ramp			1,925	115	560								Ramp Edge Lines/Dashes
STH 21 Exit Ramp			1,660	40	510								Ramp Edge Lines/Dashes
STH 21 On Ramp			2,370		1,300								Ramp Edge Lines
USH 45/USH 10 Exit			2,500		865								Ramp Edge Lines
USH 45S/USH 10W			3,870		4,400								Ramp Edge Lines
USH 45/USH 10 On Ramp			2,400		1,150								Ramp Edge Lines
STH 76 Exit Ramp			1,350	100	800	800		4	3		4		Ramp Edge lines/Crash Invest/Duel Turn 76N
STH 76 On Ramp			2,835		1,525								Ramp Edge Lines
Breezewood Lane Exit Ramp			1,900		800						4		Ramp Edge Lines
Breezewood Lane On Ramp			2,600		800								Ramp Edge Lines
Aerial Enforcement Bars													Aerial/Vascar Enforcement Bars
STH 26							4						STH 26 Northeast On Ramp 2 sets
STH 44							4						STH 44 Northeast On Ramp 2 sets
9th Ave							4						9th Ave Northeast On Ramp 2 sets
STH 21							4						STH 21 Northeast On Ramp 2 sets
North of USH 45							10						Begin North of USH 45 5 Sets
Breezewood Lane							4						Breezewood Lane Northeast On Ramp 2 sets
South Bound			87,200		88,100								Mainline Edge Lines
Breezewood Lane Exit Ramp			2,050		750								Ramp Edge Lines
Breezewood Lane On Ramp			1,800		1,225								Ramp Edge Lines
STH 76 Exit Ramp			1,985		835			6	3		6		Ramp Edge Lines/Special Marking
STH 76 On Ramp			2,430		1,150								Ramp Edge Lines
USH 45 Exit			1,970		970			4		2	3		Ramp Edge Lines/Special Marking
USH 45 On Ramp			4,175		1,535								Ramp Edge Lines
STH 21 Exit Ramp			1,375		845			4		1	3		Ramp Edge Lines/Special Marking
STH 21 On Ramp			2,300	100	800								Ramp Edge Lines/Dashes
9th Ave Exit			550		485								Ramp Edge Lines
9th Ave On Ramp			2,435		900								Ramp Edge Lines
STH 44 Exit Ramp			2,000	140	1,065								Ramp Edge Lines
STH 44 On Ramp			2,425		900								Ramp Edge Lines
STH 26 Exit Ramp			2,325	150	1,545	325							Ramp Edge Lines/Turn Lanes
STH 26 On Ramp			1,660		660								Ramp Edge Lines
Aerial Enforcement Bars													Aerial/Vascar Enforcement Bars
Breezewood Lane							4						Breezewood Lane Southeast On Ramp 2 sets
STH 76							10						Begin 2 miles North of STH 76 5 sets
USH 45							10						Begin North of USH 45 5 Sets
STH 21							4						STH 21 Southeast On Ramp 2 sets
9th Ave							4						9th Ave Southeast On Ramp 2 sets
STH 44							4						STH 44 Southeast On Ramp 2 sets
SUB-TOTALS			227,610	885	208,435	1,635	66	19	7	3	20	30	
TOTALS				436,930		1,635	66	19	7	3	20	30	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.1020 EPOXY 4-INCH SOLID		646.3020	646.6120	646.6220	646.5020		646.5120	REMARKS
			WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	STOP LINE EPOXY 18-INCH LF	YIELD LINE SYMBOLS Epoxy EACH	ARROWS EPOXY TYPE 3 EACH	TYPE 2 EACH	WORDS EPOXY ONLY EACH	
I 41		9.00									
From:Breezewood Ln	41.40										On Ramp Breezewood Ln
To: STH 15	50.15										Pvmt Change @ (Exit 139) STH 15/Northland Ave
North Bound			34,250	46,150							(Main Line) Rt/Lt Edge Lines
(Exit 131) STH 114/CTH JJ			2,400	1,120	720	25	10		2	2	(Exit 131) Ramp Edge Lines/ Arrows/Turn Lanes/Yield Symbols
Enter From STH 114			1,025	725	200						Ramp Edge Lines/ 8 Inch Island Gore
(Exit 132) Main St/Oak Ridge Rd			1,245		345	45			4	2	(Exit 132) Main St/Oak Ridge Rd
(Exit 133) CTH II/Winchester Rd			1,260	675	260	35					(Exit 133) Ramp Edge Lines/8 Inch Turn
On From CTH II/Winchester Rd			975	725							Rt/Lt Ramp Edge Lines
(Exit 136) CTH BB/Prospect Ave			2,040	865		30					(Exit 136) CTH BB/Prospect Ave/ Ramp Edge Lines/Stop Bar
Enter from CTH BB/Prospect Ave			2,100	825							Rt/Lt Ramp Edge Lines
(Exit 137)STH 125/College Ave			1,665	825		45		2	6	6	(Exit 137) STH 125/College Ave Ramp Edge Lines/Stop Bar/Arrows/Words
Enter from STH 125/College Ave			1,500	800							Rt/Lt Ramp Edge Lines
(Exit 138) STH 96/Wisconsin Ave			1,235	880		30		2	4	4	(Exit 138) STH 96/Wisconsin Ave Ramp Edge Lines/Stop Bar/Arrows/Words
Enter from STH 96/Wisconsin Ave			1,675	775							Rt/Lt Ramp Edge Lines
South Bound			32,200	48,050							(Main Line) Rt/Lt Edge Lines
(Exit 138) STH 96/Wisconsin Ave			1,515	700	160	40					Rt/Lt Ramp Edge Lines/Stop Bar/8 Inch Turn
Enter from STH 96/Wisconsin Ave			1,360	600							Rt/Lt Ramp Edge Lines
(Exit 137)STH 125/College Ave			965	750		40		2	6	6	(Exit 137) STH 125/College Ave Ramp Edge Lines/Stop Bar/Arrows/Words
Enter from STH 125/College Ave			1,685	935							Rt/Lt Ramp Edge Lines
(Exit 136) CTH BB/Prospect Ave			1,700	775	330	15			2	2	(Exit 136) CTH BB/Prospect Ave/Ramp Edge Lines/Stop Bar/Arrow/Word
On CTH BB Between Ramps					600						On CTH BB/8 Inch Turn Lanes I41 NB/I41 SB
Enter from CTH BB/Prospect Ave			1,145	770							Rt/Lt Ramp Edge Lines
(Exit 133) CTH II/Winchester Rd			1,025	700		45					(Exit 133) CTH II/Winchester Rd/Ramp Edge Lines/Stop Bar/Arrows/Words
Enter from CTH II/Winchester Rd			1,200	735							Rt/Lt Ramp Edge Lines
(Exit 132) Main St/Oak Ridge Rd			1,350	900	280	25			4	2	Rt/Lt Ramp Edge Lines/Stop Bar/8 Inch Turn
(Exit 131) STH 114/CTH JJ			1,500	955	580	25	10	2	4	4	(Exit 131) Ramp Edge Lines/ Arrows/Turn Lane/Yield Symbols
Enter From STH 114			1,500	1,080	120						Rt/Lt Ramp Edge Lines/Island Gore Bottom of Ramp
SUB-TOTALS			98,515	111,315	3,595	400	20	8	32	28	
TOTALS			209,830		3,595	400	20	40		28	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.1020 EPOXY 4-INCH		646.3020 8-INCH EPOXY LF	646.5020 ARROW EPOXY TYPE 5 EACH	646.6120 STOP LINE 18-INCH EPOXY LF	646.5420 AERIAL ENFORCEMENT EPOXY 24-INCH EACH	REMARKS
			SOLID WHITE LF	SOLID YELLOW LF					
IH 41		10.00							
From: CTH J	61.80								North Ramps
To: CTH F/Schuering Rd	71.80								CTH F/Schuering Rd
North Bound			43,950	50,800					Edge Lines
Weigh Station			1,750	1,260					Ramp Edge Lines
Weigh Station			500	525					Ramp Edge Lines
CTH U			1,520	885		2	30		Lane drop arrow/Ramp Edge Lines/Stop Bar bottom of ramp
CTH U			2,360	890					Ramp Edge Lines
CTH S			1,600	1,125	100		45		Ramp Edge Lines/Stop Bar/Island Gore/Stop Bar
CTH S			2,210	800					Ramp Edge Lines
CTH S								4	2 Sets Aerial Bars
South Bound			46,550	50,600					Edge Line
CTH S			1,700	1,140	100		45		Ramp Edge Lines/Stop Bar top of ramp/Island Gore
CTH S			2,130	775					Ramp Edge Lines
CTH U			1,300	920			45		Ramp Edge Lines/Stop Bar bottom of ramp
CTH U			2,500	965					Ramp Edge Lines
South Bound Enforcement Bars									South Bound Enforcement Bars
CTH U								10	5 Sets Aerial Bars
SUB-TOTALS			108,070	110,685	200	2	165	14	
TOTALS			218,755		200	2	165	14	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.1020 EPOXY 4-INCH			646.3020	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	
STH 21		8.40					
From: Omro	7.00						East Jct STH 116
To: I 41	15.40						Emmers Lane
East Bound			36,000		22,200		Edge Line/Center Line
Rivermoore Rd						425	Right Turn
CTH FF						320	Right Turn
Sand Pitt Rd						320	Right Turn
Leonard Pt Rd				2,640	9,500	100	Lane Line/Left Edgeline/Left Turn
Creekside Rd						100	Left Turn
Honey Creek Rd						320	Left Turn Lane
Oakwood Rd						320	Left/Right Turns
Emmers La						475	Left/Right Turns
West Bound			35,535	2,510	9,500		Edge Line/Lane Line/Edge Line Left
Emmers La						370	Left Turn
Oakwood Rd						425	Left/Right Turns
Honey Creek Rd						100	Left Turn Lane
Creekside Rd						200	Left/Right Turns
Leonard Pt Rd						200	Left/Right Turns
Sand Pitt Rd						370	Right Turn Lane
Marquart lane						100	Right Turn Lane
CTH FF						320	Right Turn Lane
Scott Street				65			Bypass Lane
Rivermoore Rd						320	Right Turn Lane
Golden Rod Dr						150	Right Turn Lane
SUB-TOTALS			71,535	5,215	41,200	4,935	
TOTALS				117,950		4,935	

PAVEMENT MARKING

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH YELLOW LF	646.3020 EPOXY 8-INCH LF	REMARKS
STH 55		5			
From: Lake Road	38.25				Seymour Lake Rd/E Bronson
To: Outagamie Co Line	42.70				Outagamie/Shawano County Line
North Bound			17,100		Edge Line/Centerline
CTH VV				125	Rt Turn
Angling Rd				100	Rt Turn
Shady Rd				200	Rt Turn
South Bound					
Cicero				100	Rt Turn
CTH VV				175	Rt Turn
SUB-TOTAL			17,100	700	
TOTAL			17,100	700	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.1020 EPOXY 4-INCH		646.3020	646.6120	646.5020	646.5120	REMARKS
			DASH WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	STOP LINE EPOXY 18-INCH LF	ARROWS EPOXY TYPE 2 EACH	WORDS EPOXY ONLY EACH	
STH 28		10.00							
From: North Jct STH 57	13.90								
To: Taylor St	23.75								
East Bound									
Center Line/Lane Line			675	50,000					CENTER LINE
Mall entrance					70				
CTH A						50	4	2	CTH A
IH 43 South Bound					100		2	2	
IH 43 North Bound					300		2	2	
Jct Taylor St					400	70	4	4	Turn Lanes/stop bar/special marking
West Bound									
Lane Line									Lane Line
IH 43 North Bound			675		570		2	2	
IH 43 South Bound					330		2	2	
CTH A			60		400	50			Dual turn dashes/special marking/stop Bar
Mall entrance					200		2	2	
North Jct STH 57					70	45			Island Gore/Stop Bars
SUB-TOTALS			1,410	50,000	2,440				
TOTALS			51,450		2,440	215	18	16	

PAVEMENT MARKING

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.3020	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	
STH 47		8.00					
From: STH 54	20.04						Black Creek
To: Outagamie/Shawano Line	27.85						Outagamie North County Line
North Bound			39,600		44,850		Edge Line/Center Line
CTH G						200	Right Turn Lane
Deerview Rd				65			By Pass Lane
Climbing Lane				1,610			Climbing Lane
CTH VV						200	Right Turn Lane
CTH F						100	Right Turn Lane
South Bound			39,500				Edge Line
CTH F						300	Right Turn
CTH VV				65			Bypass Lane
Deerview Rd						100	Right Turn
CTH G						100	Right Turn
Climbing Lane				1,610			Climbing Lane
SUBTOTAL			79,100	3,350	44,850	1,000	
TOTAL			127,300			1,000	

PAVEMENT MARKING SUMMARY

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH		646.3020	646.6120	646.5320	REMARKS
			SOLID WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	STOP LINE EPOXY 18-INCH LF	RAILROAD CROSSING EPOXY EACH	
STH 32		12.00						
From: IH 43	0.00							East Ramps
To: STH 28	11.60							Jct STH 28 Sheb Falls
North Bound			52,800	90,000				Edge Line/Center Line
CTH LL/I 43 Overpass				950				Ylw Median Edge Line
IH 43 South Bound					170			Left Turn
CTH LL					170			Left Turn
Rail Crossing							1	
CTH A					170			Right Turn
CTH OO						40		GIBBSVILLE
CTH V					300			Rt Turn
Pinehurst Dr					100			Rt Turn
South Bound			51,425					Edge Line
CTH I					110			Rt Turn
CTH N						30		Stop Bar West Side STH 32
CTH V					325	40		Right Turn/Stop Bar East Side Rd?
CTH OO						40		GIBBSVILLE
CTH W					100			Rt Turn
CTH A					325			Rt Turn
CTH G					200			Rt Turn
Rail Crossing							1	
CTH LL/I 43 Overpass				950				Ylw Median Edge Line
IH 43					275			Rt Turn I 43 South Bound
IH 43					250			Lt I 43 North Bound
SUBTOTAL			104,225	91,900	2495	150	2	
TOTAL			196,125		2,495	150	2	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.1020 EPOXY 4-INCH		646.3020	646.6120	REMARKS
			SOLID WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	STOP LINE EPOXY 18-INCH L.F.	
STH 42		19.00					
From: Howards Grove	7.50						Jct STH 32/42
To: Manitowoc	26.10						Jct USH 151
NORTH BOUND			92,925	106,725			Center Line/Edge Line
S Cleveland Ave					100		Rt Turn
W Washington Rd					100		Rt Turn
S JCT CTH XX					100		Rt Turn
N JCT CTH XX					100		Rt Turn
CTH X					100		Rt Turn
Ucker Point Creek Rd					100		Rt Turn
CTH F					100		Rt Turn
Newton Rd					100		Rt Turn
Brunner Rd					100		Rt Turn
CTH C					200		Rt Turn
S Union Rd					100		Rt Turn
Carsten Lake Rd					100		Rt Turn
Carstens Rd					100		Rt Turn
English Lake Rd					100		Rt Turn
Newtonberg Rd					100		Rt Turn
Gass Lake Rd					100		Rt Turn
Jct USH 151						35	Jct USH 151 Manitowoc
SOUTH BOUND			92,300				Edge Line
Victoria Rd					100		Rt Turn
Newtonberg Rd					100		Rt Turn
Center Rd					100		Rt Turn
Newtonberg Rd					100		Rt Turn
Carsten Lake Rd					100		Rt Turn
S Union Rd					100		Rt Turn
CTH C					160		Rt Turn
Pine River Rd					100		Rt Turn
Newton Rd					100		Rt Turn
CTH F					100		Rt Turn
Ucker Point Creek Rd					100		Rt Turn
CTH X					100		Rt Turn
PioneerRd					100		Rt Turn
N Jct CTH XX					160		Rt Turn
S Jct CTH XX					100		Rt Turn
W Washington Rd					100		Rt Turn
S Cleveland Rd					100		Rt Turn
SUB-TOTALS			185,225	106,725	3,520	35	
TOTALS			291,950		3,520	35	

PAVEMENT MARKING

LOCATION	LOG MILE	MILE	646.1020 EPOXY		646.3020	646.6120	646.5020	646.5120	REMARKS
			DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	STOP LINE EPOXY 18-INCH LF	ARROWS EPOXY TYPE 2 EACH	WORDS EPOXY ONLY EACH	
STH 44		16.00							
From: Ripon	12.10								Ripon @ Douglas St
To: Oshkosh	28.45								North Ramps/IH 41
NORTH BOUND				83,500					Edge Line/Center Line
Passing Lane			1,250						Pushover dashes/Lane Line
Island Rd			65						Bypass Lane
Crown Dr			65						Bypass Lane
Knott Rd			65						Bypass Lane
Ripon Place									Rt Turn
James Rd									Rt Turn
N. Jct Ripon Place									Rt Turn
Clairville Rd									Rt Turn
N Clay Rd									Rt Turn
STH 91							1		Lt Turn
Begin Divided			875	7,660					Lane Line/Center Turn Lane
Washburn					370	50			Lt/Rt Turns/Stop Bar
West Ramps USH 41						30			Stop Bar
East Ramps USH 41						45			Stop Bar
USH 41 South Bound					220				Rt Turn
USH 41 North Bound					580		3	3	Lt Turn/Turn Bay
SOUTH BOUND									Edge Line
East Ramps USH 41						30			Stop Bar
West Ramps USH 41						45			Stop Bar
USH 41 North Bound					265				Rt Turn
USH 41 South Bound					635		3	3	Lt Turn/ Turn Bay
Washburn					475	50			Lt/Rt Turns/Stop Bar
Begin Divided			875						Lane Line
STH 91					110		1	1	Lt Turn
N Clay Rd			65						Bypass Lane
CTH FF			65						Bypass Lane
CTH N			75						Bypass Lane
Mahlke Rd			65						Bypass Lane
Mahlke Rd			1,320						Lane Line
Fletcher Rd			75						Bypass Lane
Business Park			270						Rt Turn gore
Oshkosh St					55				Left Turn
Oshkosh St					60				Gore @ island
Oshkosh St			40				2	2	Arrows/Only/Extension
SUB TOTALS			5,170	91,160		250	10	9	
TOTALS			96,330		2,770	250	10	9	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.1020 EPOXY 4-INCH YELLOW LF	646.3020 EPOXY 8-INCH WHITE LF	646.612 STOP LINE EPOXY 18-INCH LF	REMARKS
STH 55		12.00				
From: Jct USH 151	0.00					Wayside
To: STH 114	11.85					South Jct STH 114 Sherwood
North Bound			54,000			Edge Line/Center Line
South Jct STH 55/USH 151				300		Island Gore @ USH 151 North Bound
North Jct STH 55/USH 151				250		Island Gore from USH 151 South Bound
CTH F				100		Right Turn
Hickory Hill					35	Stock Bridge @ Hickory Hill
CTH E					50	Stockbridge East/West Jct CTH E
Faro Springs Rd				100		Right Turn
Ertl Rd				100		Right Turn
Jct STH 114				180	40	Stop Bars/ Island Gores
South Bound						Edge Line
Jct STH 55/114				425		Island Gore @ STH 55 South Bound
High Cliff				100		Right Turn
Harrison Rd				100		Right Turn
Faro Springs Rd				100		Right Turn
CTH EE				100		Right Turn
Moore Rd				100		Right Turn
SUB-TOTALS			54,000	1,955	125	
TOTALS			54,000	1,955	125	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.1020		646.3020	REMARKS
			DASHED WHITE LF	SOLID YELLOW LF	8-INCH EPOXY LF	
STH 96						
From:IH 41	13.60	2.50				East Ramps
To: North Badger Ave	15.00					West Side of North Badger Ave
East Bound			2,000			Lane Line
Wendy's/Arbys					100	Rt Turn/Special Marking
North Westhill Blvd			35		320	Rt Turn/Lane Drop Dashes
North Blue mound Dr					320	Rt Turn/Lt Turn
Fleet Farm					100	Rt Turn
Fleet Farm					110	Rt Turn
TWTL				4,225		Two Way Turn Lane
Elberg Ave					100	Rt Turn
North Lyndale Dr					310	Rt Turn/ Add stop bar for cross walk
Wilharms Dr					100	Lt Turn
TWTL				2,245		Two Way Turn Lane
North Perkins St					260	Lt Turn/Retrace Stop Bar
North Badger Ave					320	Rt Turn/Special Marking
Rail Crossing						3 Lanes/3 Symbols/1 Each Lane
North Badger Ave						West Side of North Badger Ave
West Bound			2,000			Lane Line
Median					100	Left Turn
North Perkins St					260	Left Turn
Wilharms Dr					200	Rt Turn/Lt Turn
North Lyndale Dr/CTH A					560	Rt Turn/Lt Turn
North Blue mound Dr					260	Rt Turn/Lt Turn
North Westhill Blvd					370	Lt Turn
Wendy's/Arbys					100	Lt Turn
Lt Turn Median					400	Median Lt Turn
Rt Turn					325	Rt Turn I 41 North Bound
SUB-TOTALS			4,035	6,470	4,615	
TOTALS			10,505		4,615	

PAVEMENT MARKING

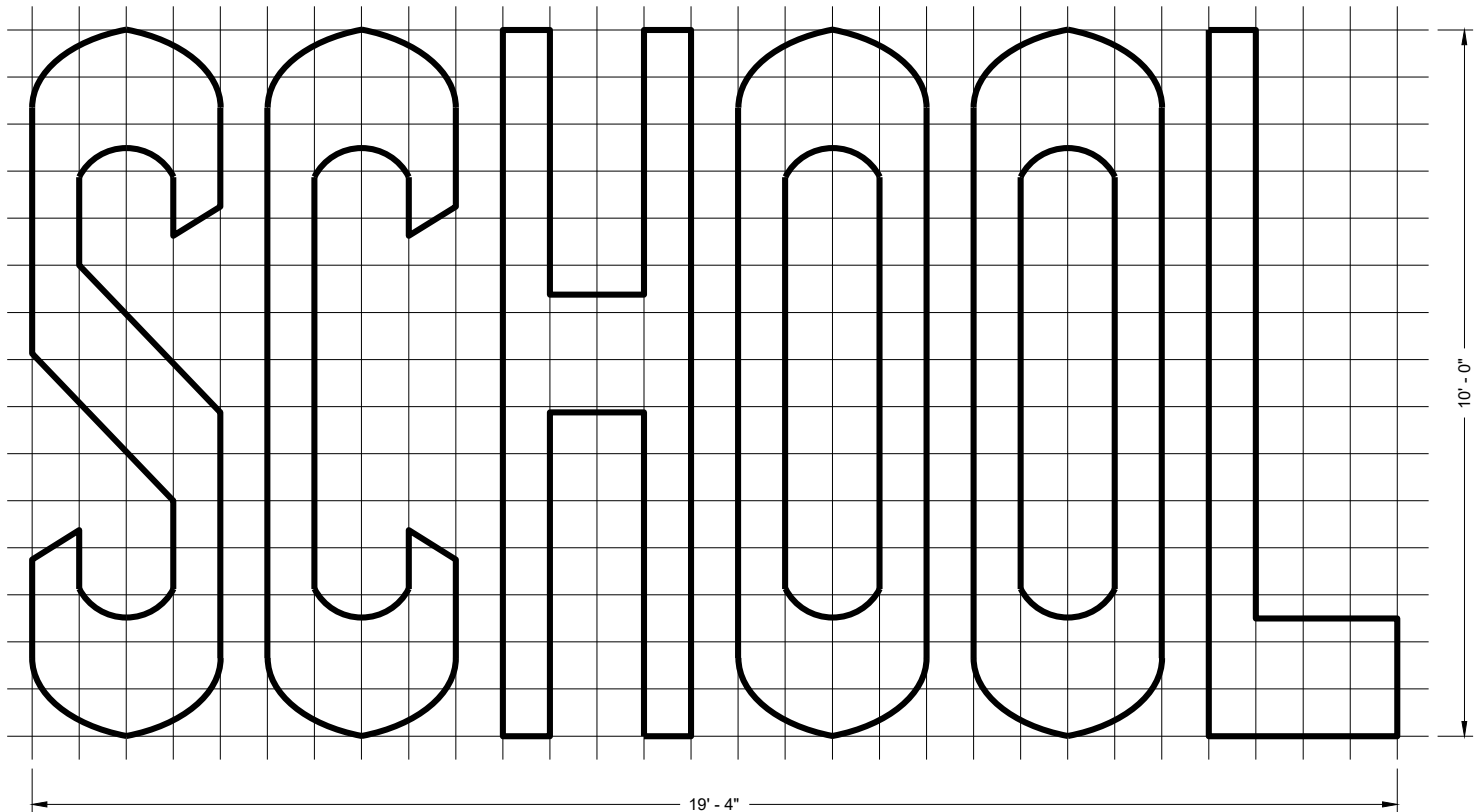
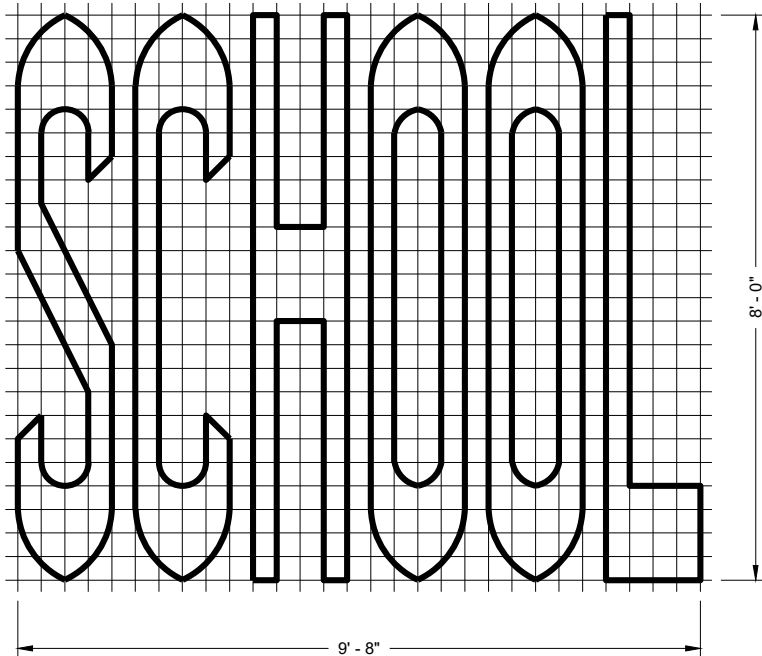
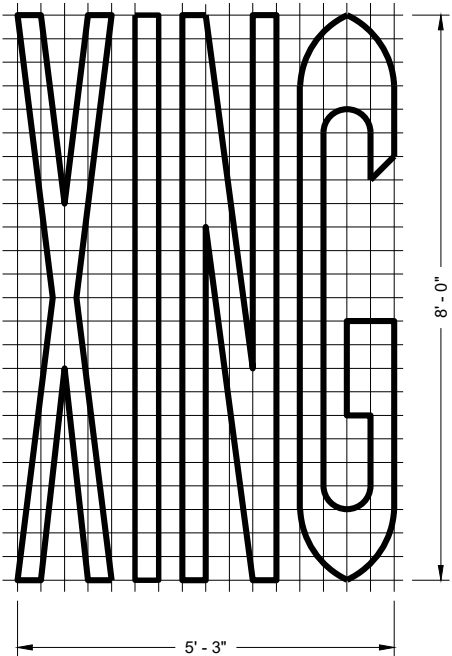
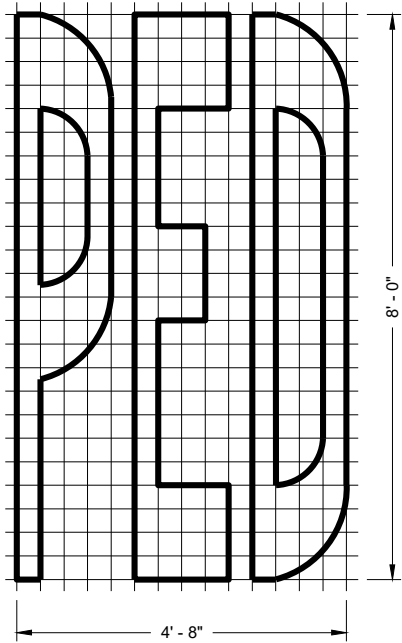
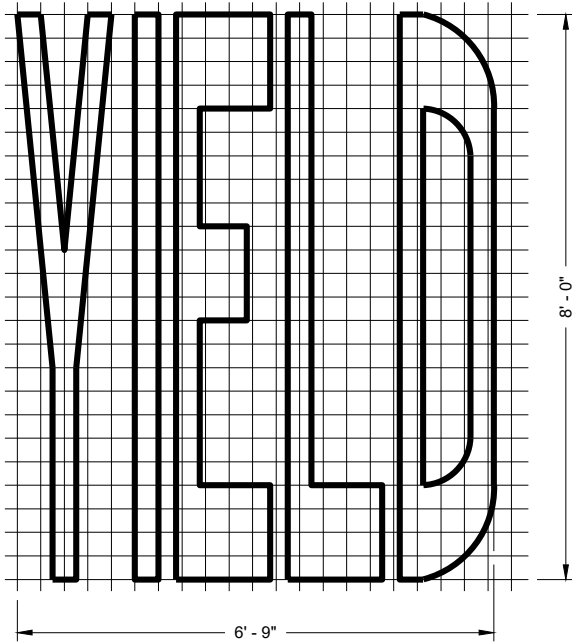
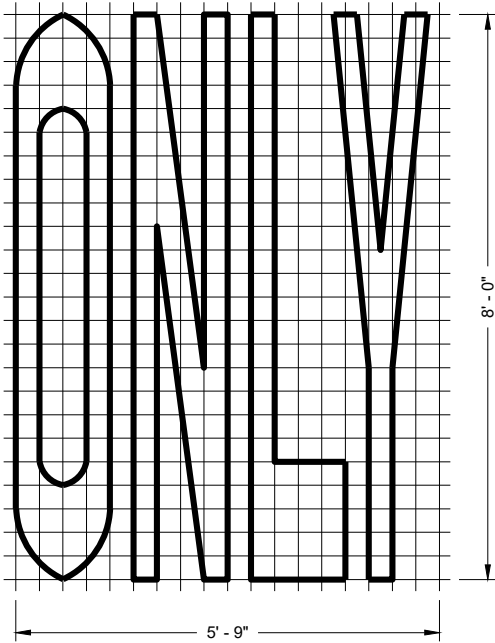
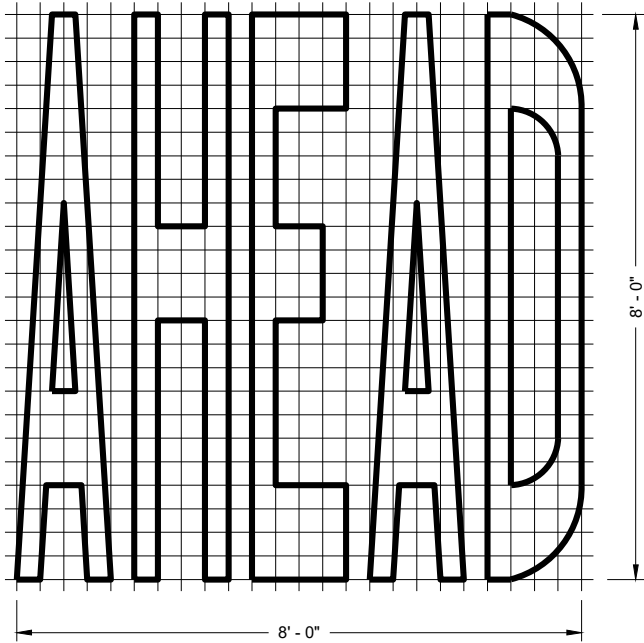
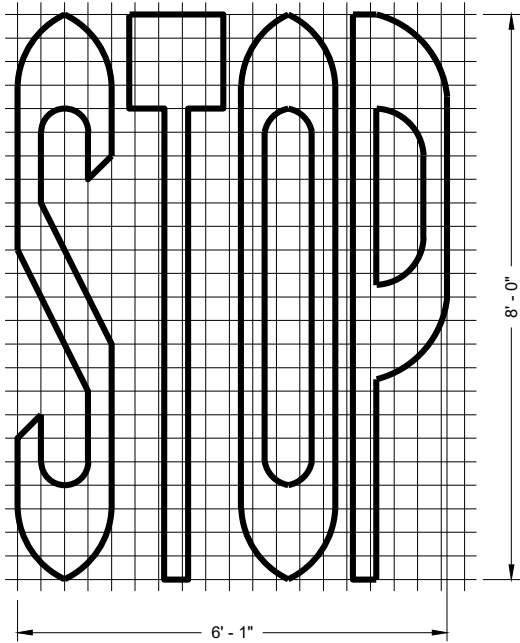
LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH				646.3020	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	DASHED YELLOW LF	SOLID YELLOW LF	EPOXY 8-INCH WHITE LF	
USH 10		16						
From: Winnebago/Waupaca	0.00							Winn/Waupaca County Line
To: CTH CB	15.75							CTH CB West Ramps
East Bound			78,000			82,000		Rt/Lt Edgelines
USH 45 NB Exit			3,445			3,235		Exit USH 45 North/New London Ramp edgelines
USH 45 NB Exit				50			635	Exit/Gore Dash USH 45 North
USH 45 SB On Ramp							1,060	Entry USH 45
USH 45 SB Exit Ramp			2,730			2,075		Exit Ramp USH 45 South/Oshkosh Ramp edgelines
USH 45				50			635	Exit/Gore Dash USH 45 South
USH 45 On Ramp							1,270	Entry Gore USH 45
STH 76 Exit Ramp			1,365			775		Exit Ramp Edge Lines
STH 76 On Ramp			2,210			850		On Ramp Edge Lines
West Bound			78,000			83,300		Rt/Lt Edgelines
STH 76 Exit Ramp			1,360			800		Exit Ramp Edge Lines
STH 76 On Ramp			2,250			820		On Ramp Edge Line
USH 45 SB Exit					45		425	Ylw dash/Exit Gore USH 45 South/Oshkosh
USH 45 SB Ramp Edgelines			3,560			1,980		Exit Ramp USH 45 South/Oshkosh Ramp edgelines
Entry Ramp from USH 45							1,165	Entry Gore from USH 45
USH 45 NB Ramp Edgelines			2,630			1,900		Exit USH 45 North/New London Ramp edgelines
Exit Ramp to USH 45 NB				50			530	Exit Gore USH 45 North (New London)
Entry Ramp from USH 45							1,480	Entry from USH 45
SUBTOTAL			175,550	150	45	177,735	7,200	
TOTAL				353,480			7,200	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.1020 EPOXY 4-INCH			646.3020 EPOXY 8-INCH	646.5020 ARROWS EPOXY		646.5120 WORDS EPOXY ONLY EACH	646.5420 AERIAL ENFORCEMENT EPOXY-24 INCH EACH	646.6120 STOP LINE EPOXY 18-INCH LF	FIELD REVIEW AERIAL BAR LOCATIONS REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF		TYPE 2 EACH	TYPE 3 EACH				
USH 41		13.00										
From: CTH M	85.60											Pvmt change 1/4 North of CTH MLineville on ramp
To: Jct USH 141	98.60											Split USH 41/USH 141 Abrams
NORTH BOUND			61,100		66,500							Main Line Rt/ Lt Edge Lines
CTH B Off Ramp			1,825	50	1,050	150	2	4	2		40	Exit 176 Ramp Edge Lines/Arrows/Only/Dual Turn Lane to CTH B/Stop Bar
CTH B On Ramp			1,900		1,200							Ramp Edge Lines
On CTH B Between Ramps			1,400		1,470	150						Turn Lanes/Rt Lt Edge Lines
Brown Rd Off Ramp			1,800		1,200							Exit 179 Ramp Edge Lines
Brown Rd On Ramp			1,000		2,400							Ramp Edge Lines
On Brown Rd Between Ramps			1,470		1,300	150						Turn Lanes/Rt Lt Edge Lines
CTH S Off Ramp			1,800		1,200							Exit 182 Ramp Edge Lines
CTH S On Ramp			1,000		2,000							Ramp Edge Lines
On CTH S Between Ramps			1,440		1,300	200						Turn Lanes/Rt Lt Edge Lines
CTH D Off Ramp			1,800		1,400							Exit 185 Ramp Edge Lines
CTH D On Ramp			2,500		1,200							Ramp Edge Lines
On CTH D Between Ramps			1,450		1,320	200						Turn Lanes/Rt Lt Edge Lines
SOUTH BOUND			59,000		65,000							Main Line Rt/ Lt Edge Lines
CTH D Off Ramp			1,800		1,320							Ramp Edge Lines
CTH D On Ramp			1,900		1,050							Ramp Edge Lines
CTH S Off Ramp			1,800		1,300							Ramp Edge Lines
CTH S On Ramp			2,000		1,000							Ramp Edge Lines
Brown Rd Off Ramp			1,800		1,300							Ramp Edge Lines
Brown Rd On Ramp			2,700		1,000							Ramp Edge Lines
CTH B Off Ramp			1,400		900						40	Ramp Edge Lines/Stop Bar
CTH B On Ramp			1,120		700							Ramp Edge Lines
AERIAL ENFORCEMENT												
North Bound												
Lineville to Harbor Lights										10		5 Sets Between Lineville and Harbor Lights Overpass
Between CTH B and Norfield Rd Overpass										12		6 Sets Between CTH B and Norfield Rd Overpass
Brown Rd										4		2 Sets Brown Rd Overpass/On Ramp
CTH S										10		5 Sets CTH S Overpass/On Ramp
CTH D										14		2 Sets CTH D Overpass/On Ramp
South Bound												
CTH D										14		7 Sets CTH D Overpass to Geano Beach Rd
Brown Rd										4		2 Sets Brown Rd Overpass/On Ramp
												? Sets Between Norfield Rd Overpass and CTH B
SUB-TOTALS			154,005	50	157,110	850	2	4	2	68	80	
TOTALS				311,165		850		6	2	68	80	

Standard Detail Drawing List

15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C09-11A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C14-03	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C18-04	MEDIAN ISLAND MARKING
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-06B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-06C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C20-02	YIELD MARKING
15C21-10	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C31-03A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-03B	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-03C	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15C35-04B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15C35-04C	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)



SINGLE LANE

TWO - LANE

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.

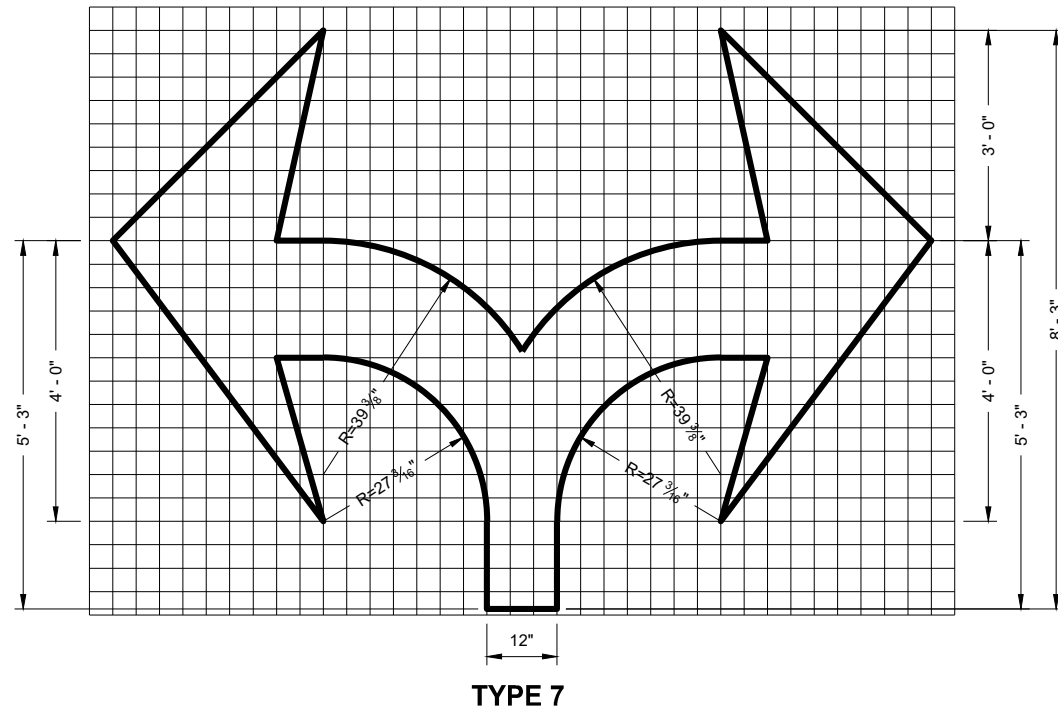
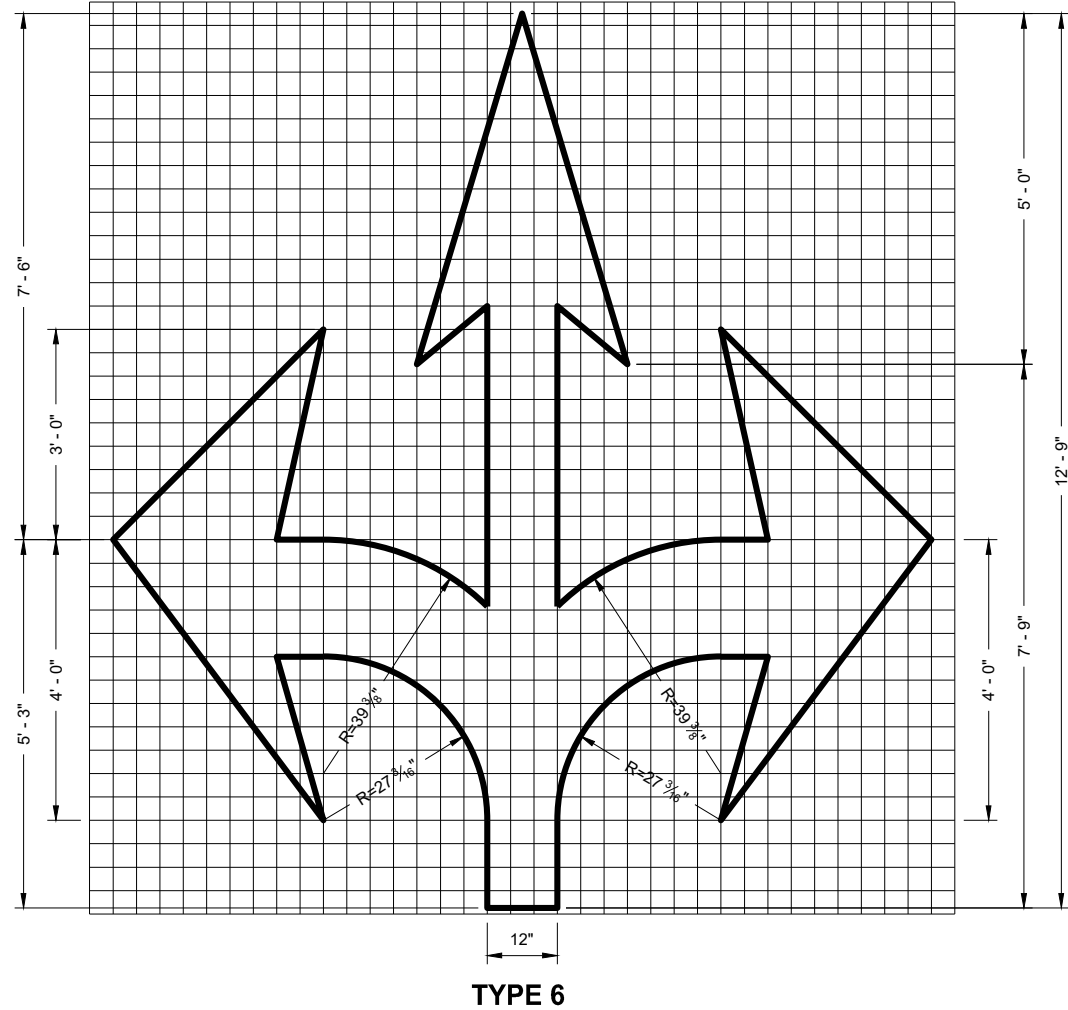
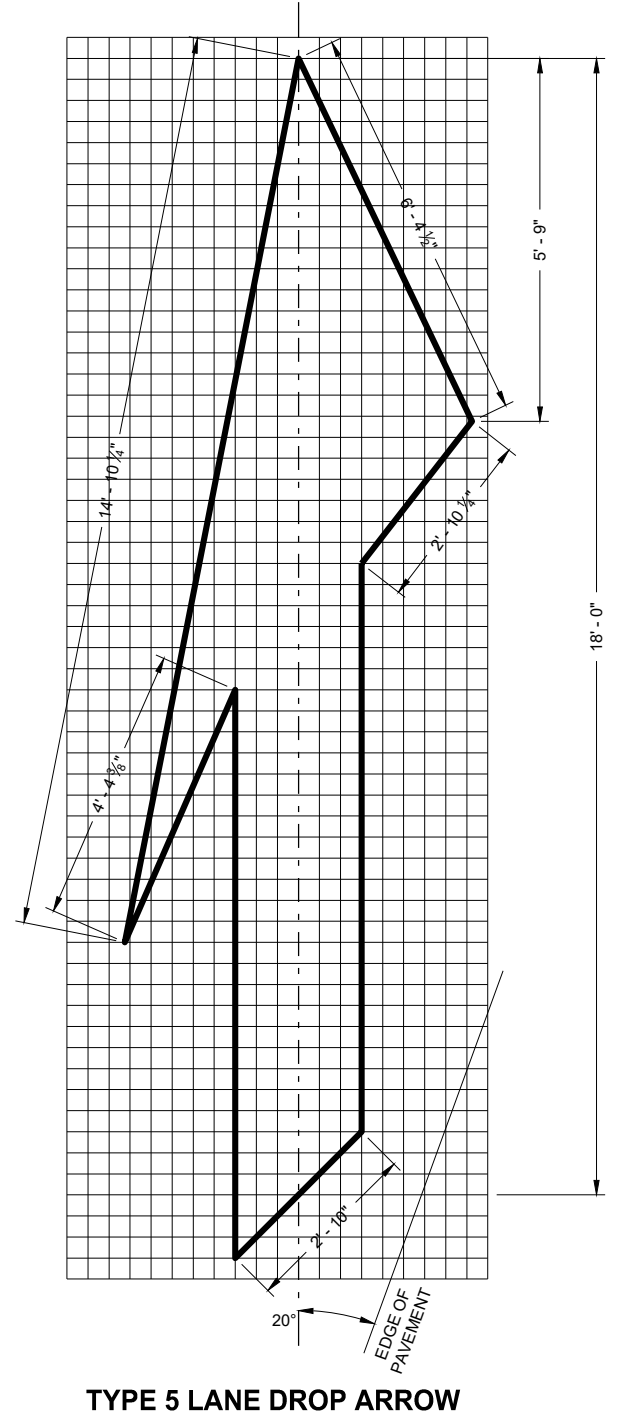
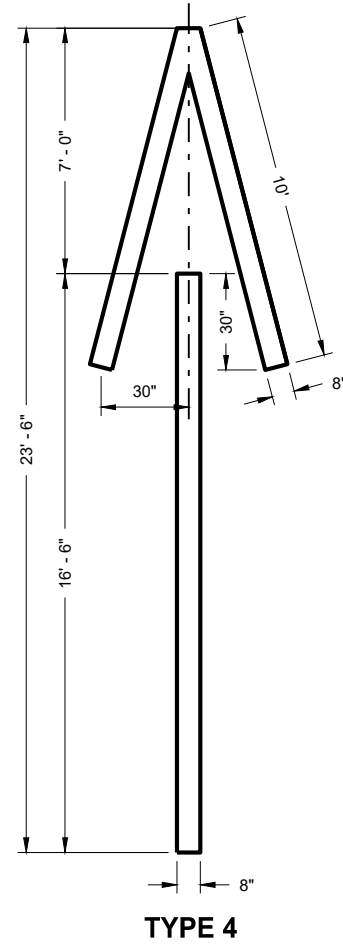
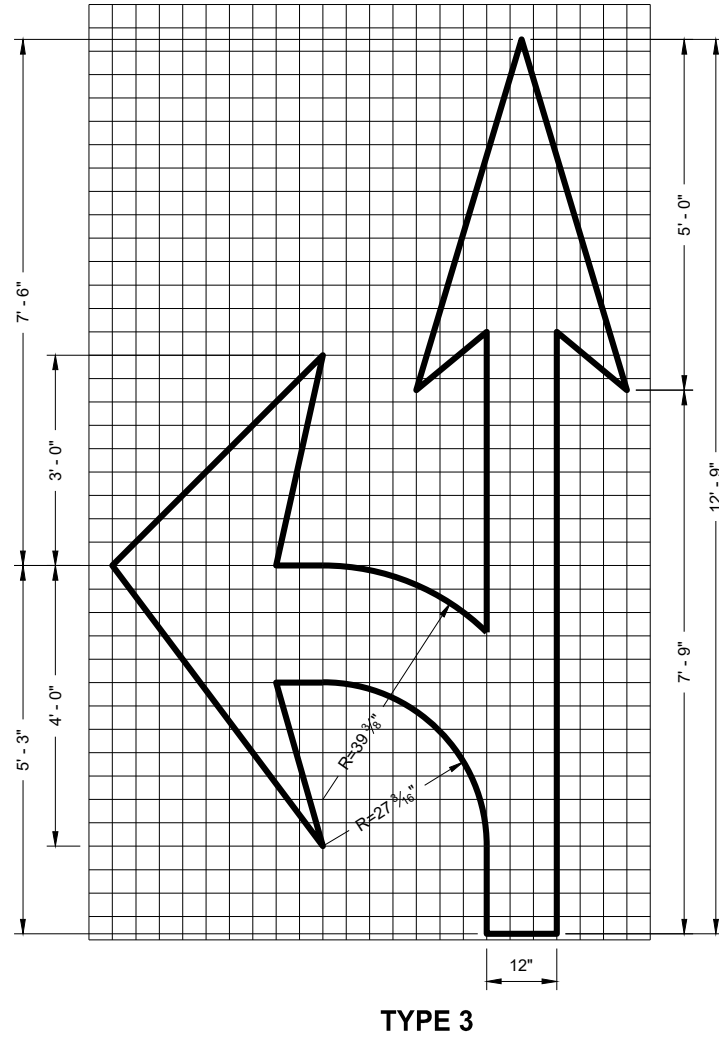
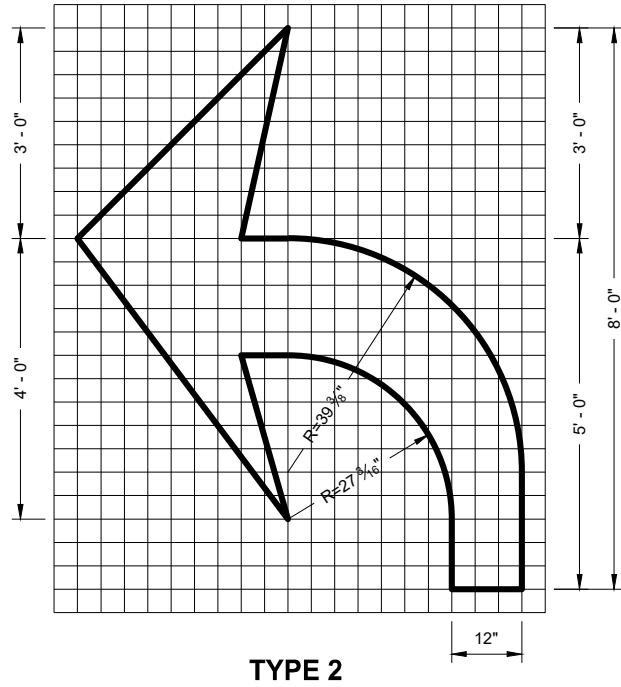
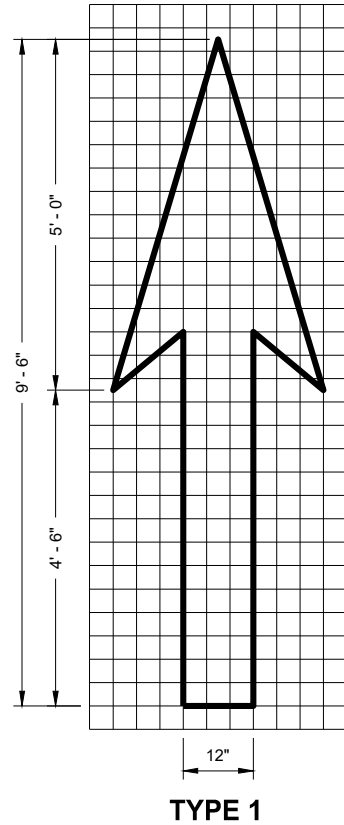
PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER

FHWA



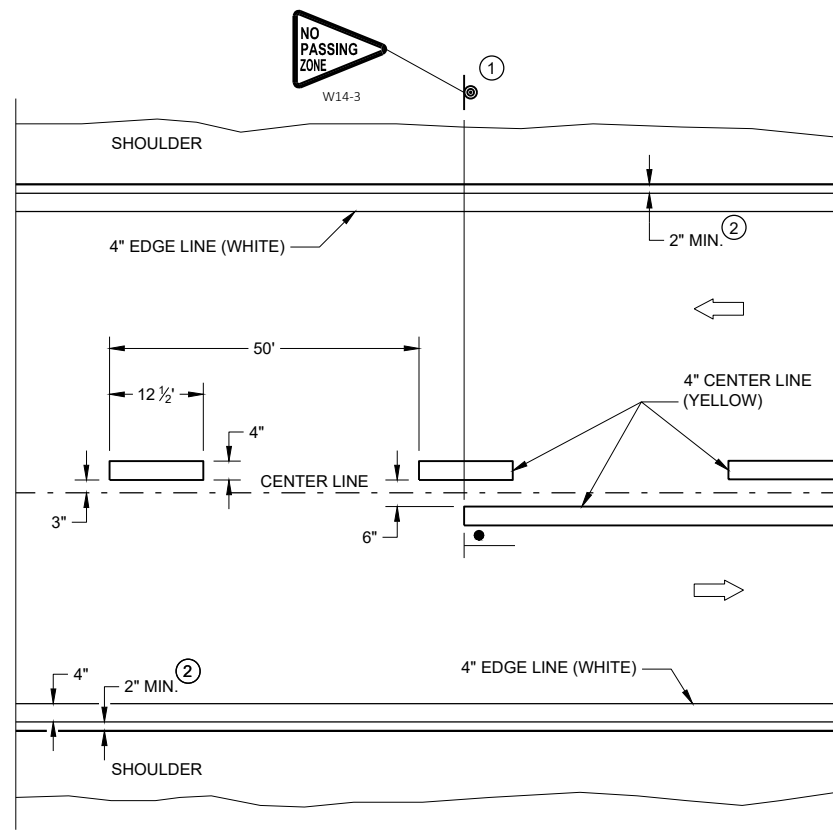
GENERAL NOTES

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.

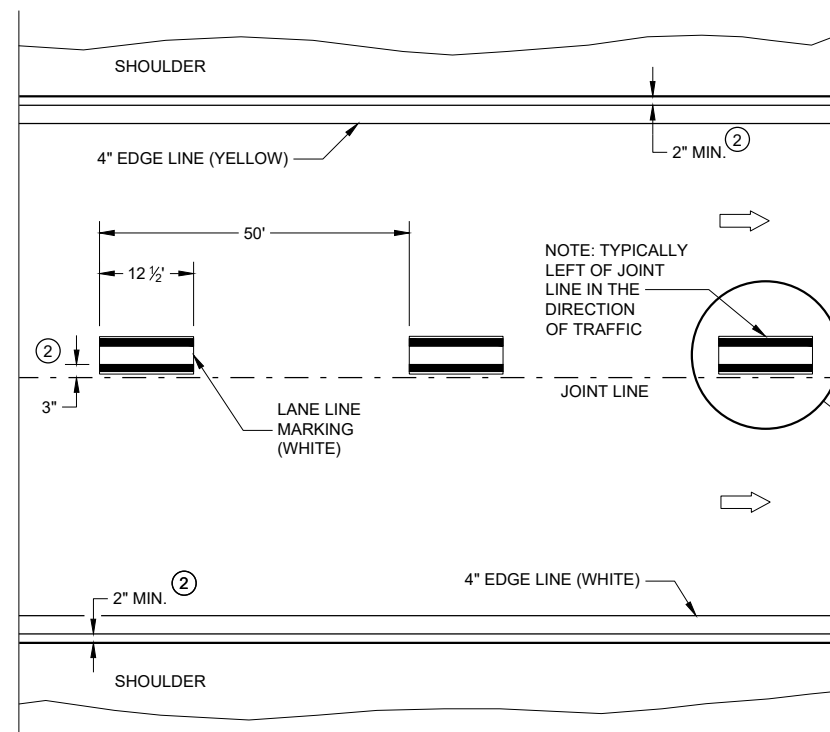
PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE
/S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER
FHWA

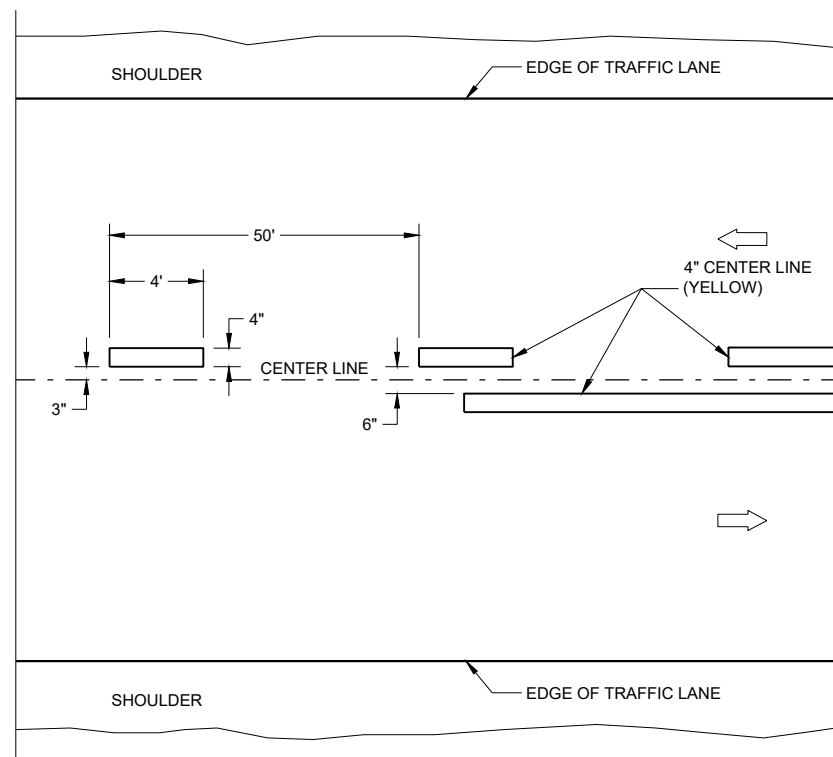


TWO WAY TRAFFIC

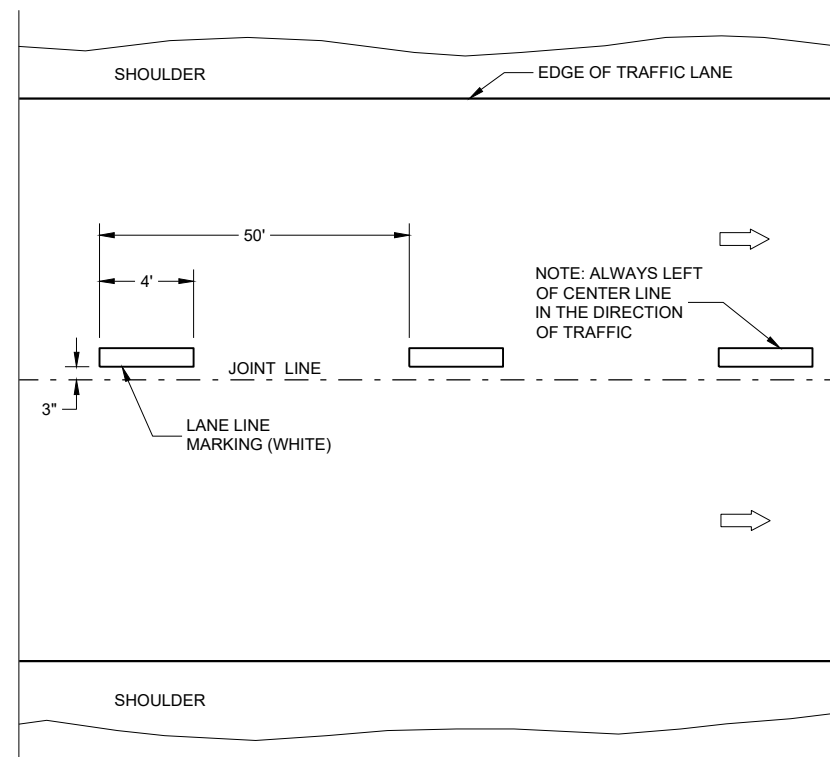


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

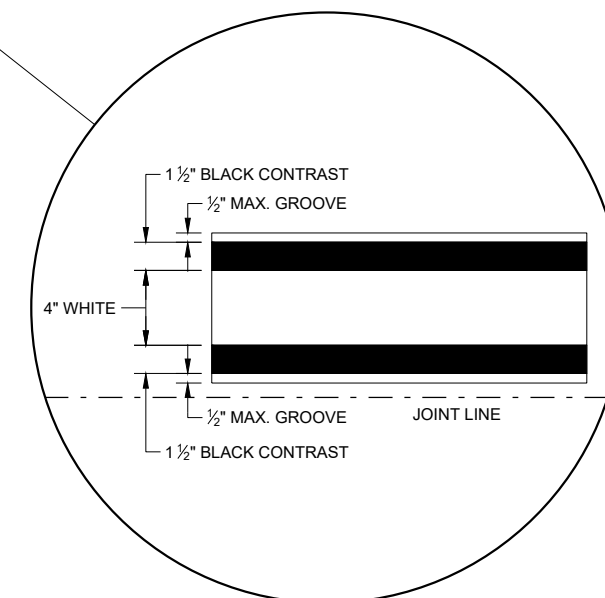
GENERAL NOTES

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 WITH 50 FEET OF THE "T" MARKING
- ② MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

-  "T" MARKING
 SIGN ON PERMANENT SUPPORT
 DIRECTION OF TRAFFIC

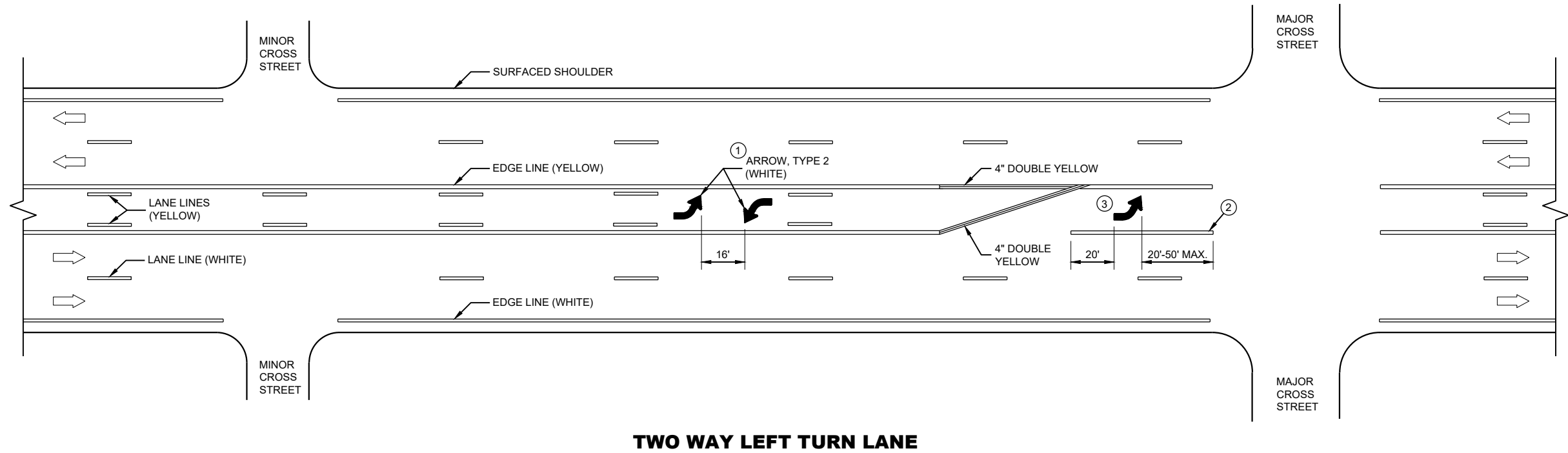


LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Matthew Rauch
STATEWIDE SIGNING AND MARKING
ENGINEER



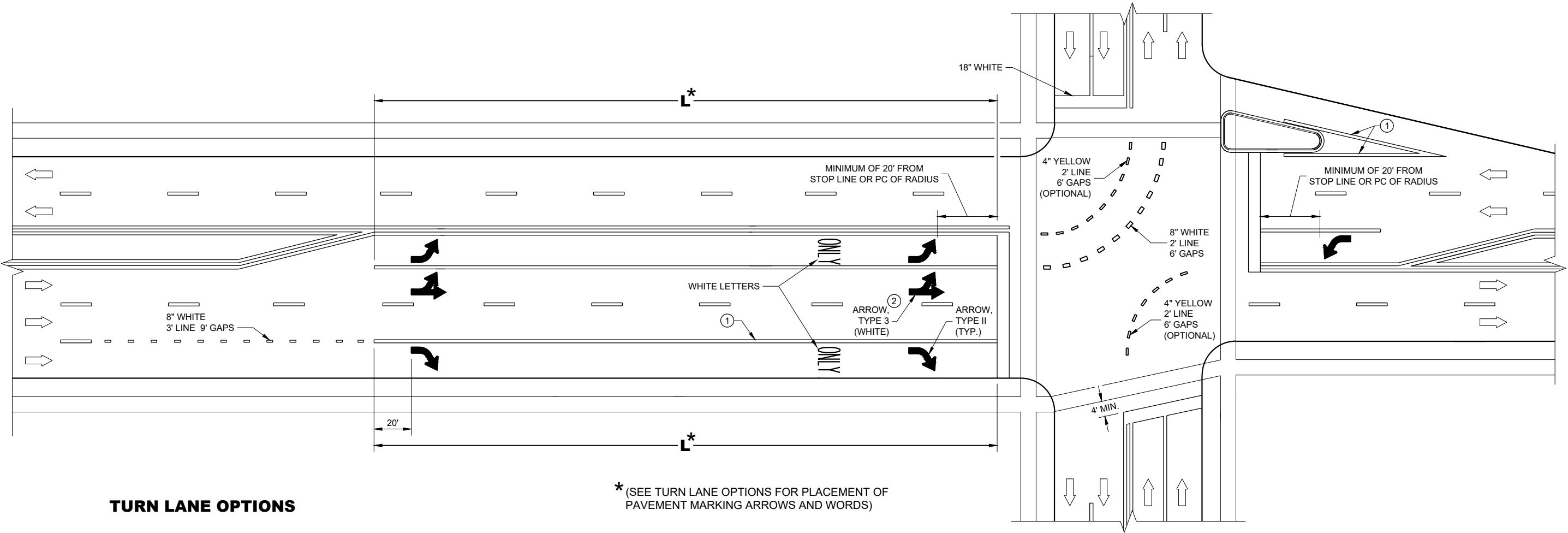
GENERAL NOTES

- 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

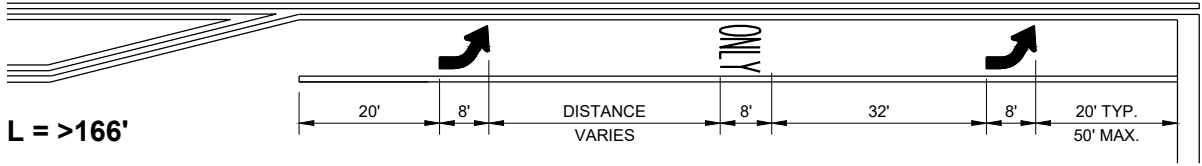
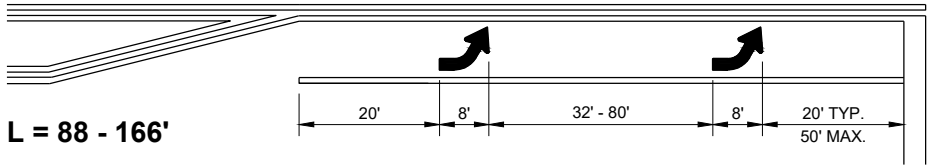
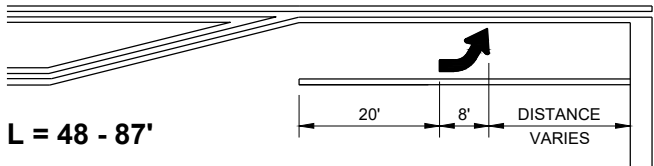
**PAVEMENT MARKING
(TURN LANES)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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

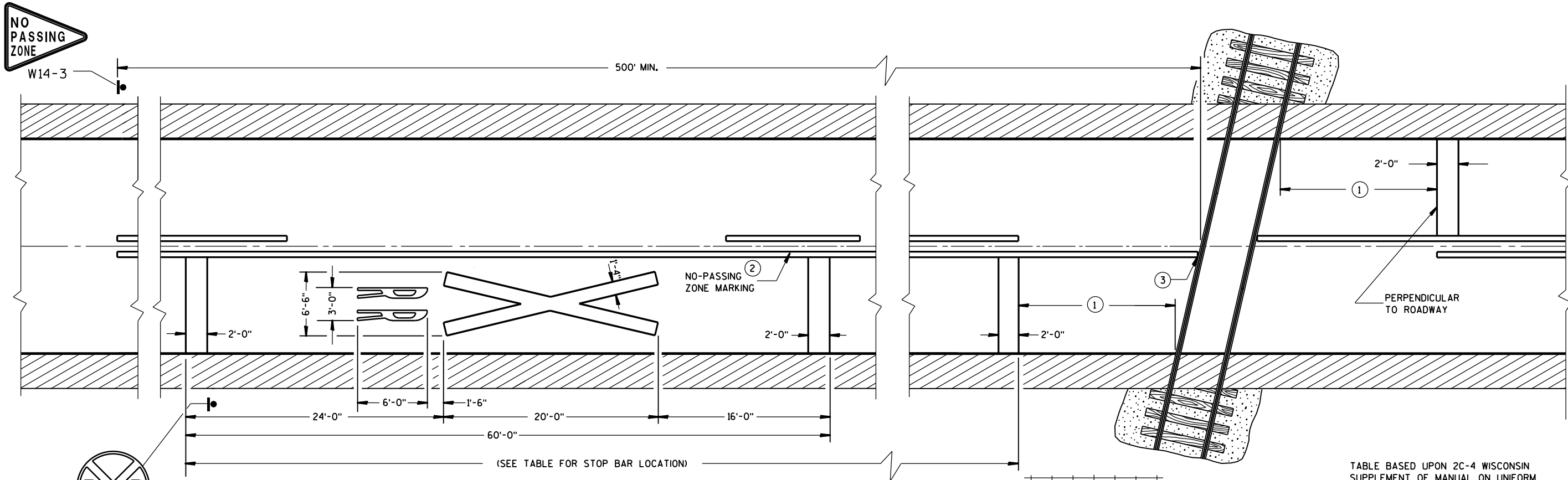
- ① 8" WHITE
- ② QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

➡ DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING
(TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PAVEMENT MARKING

GENERAL NOTES

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

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

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

RETRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

- ① MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.
- ② 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.
- ③ FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

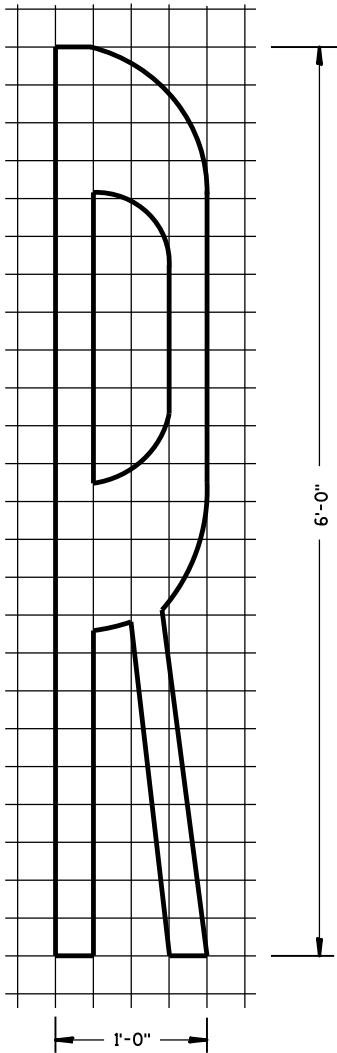


TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

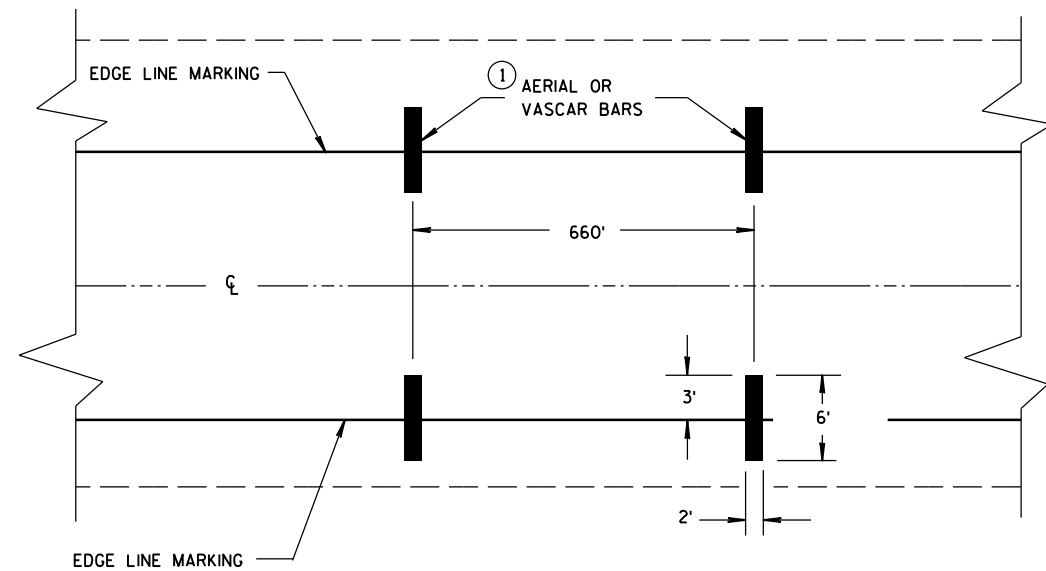
Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

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

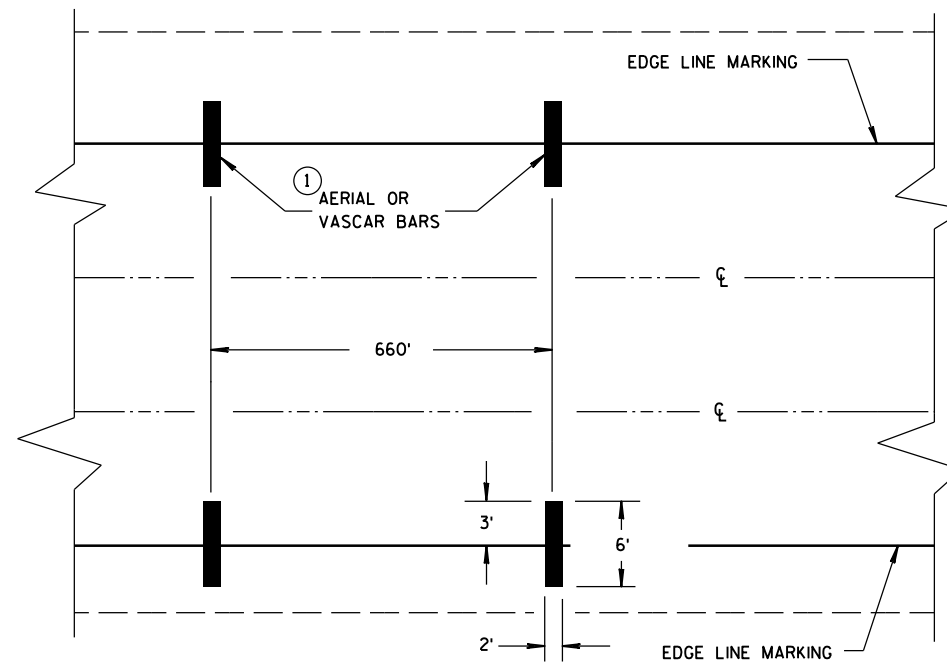
SIGNING AND PAVEMENT MARKING
DETAILS FOR RAILROAD-HIGHWAY
GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC



TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

GENERAL NOTES

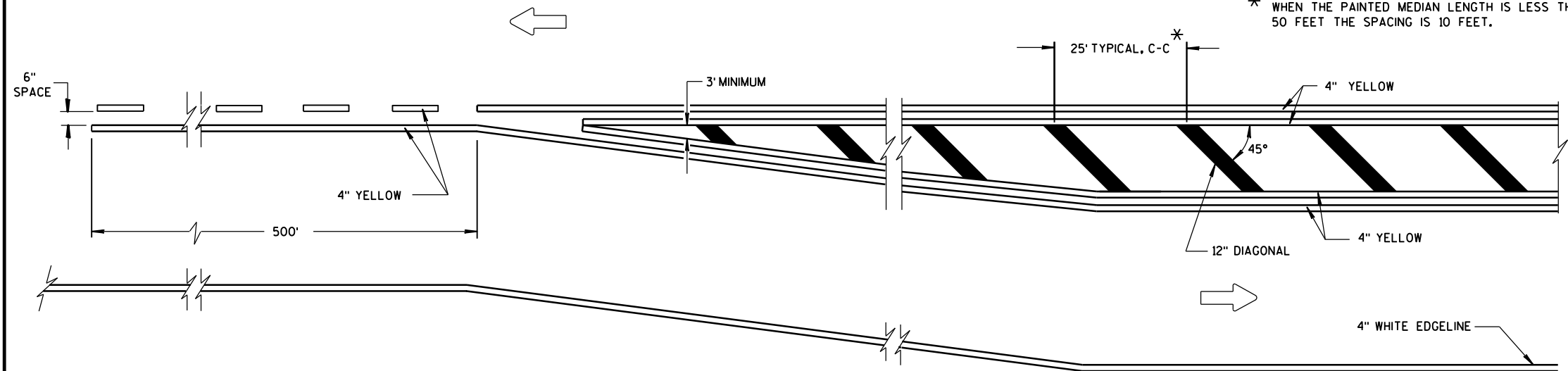
① PLACE TWO TO FIVE AERIAL OR VASCAR BARS AT 660 FOOT SPACING.

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

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

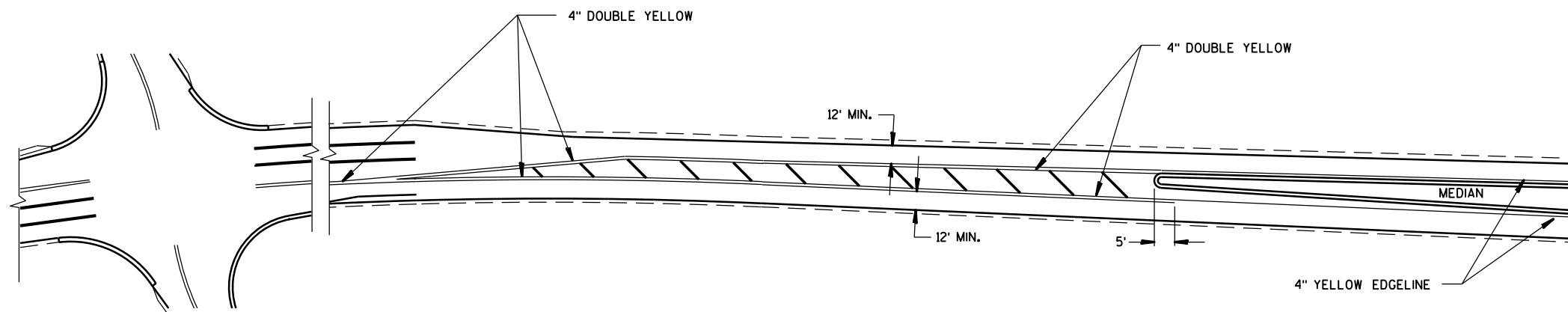


MEDIAN ISLAND DETAIL

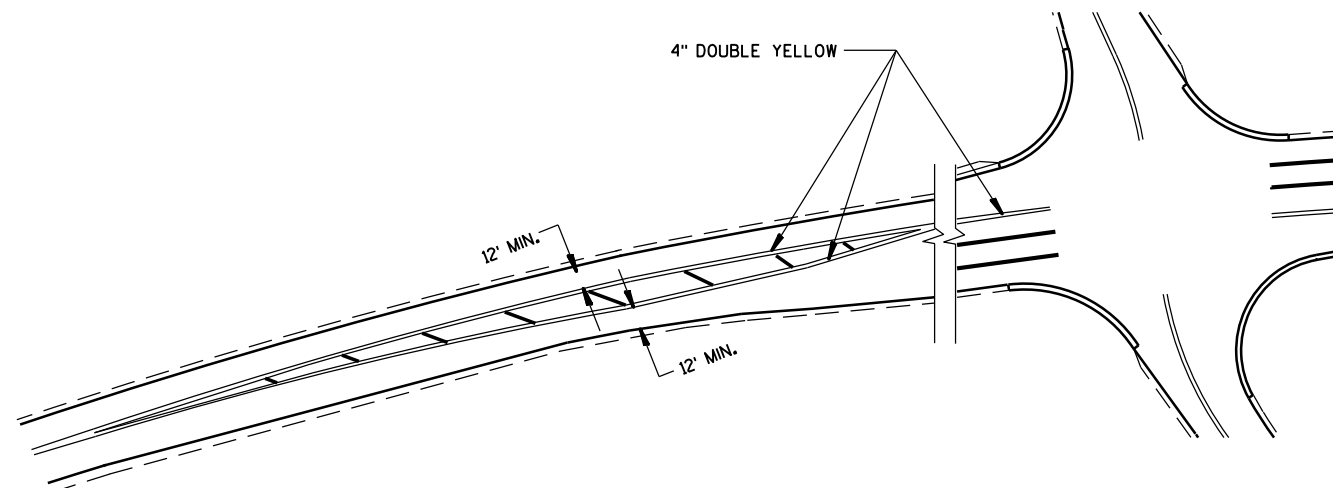
GENERAL NOTE

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
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LEGEND

- V1 LEAD VEHICLE
- V2 MARKING VEHICLE
- V3 SHADOW VEHICLE
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  SIGN ON TEMPORARY SUPPORT
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW PANEL (CAUTION)

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 OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

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 AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

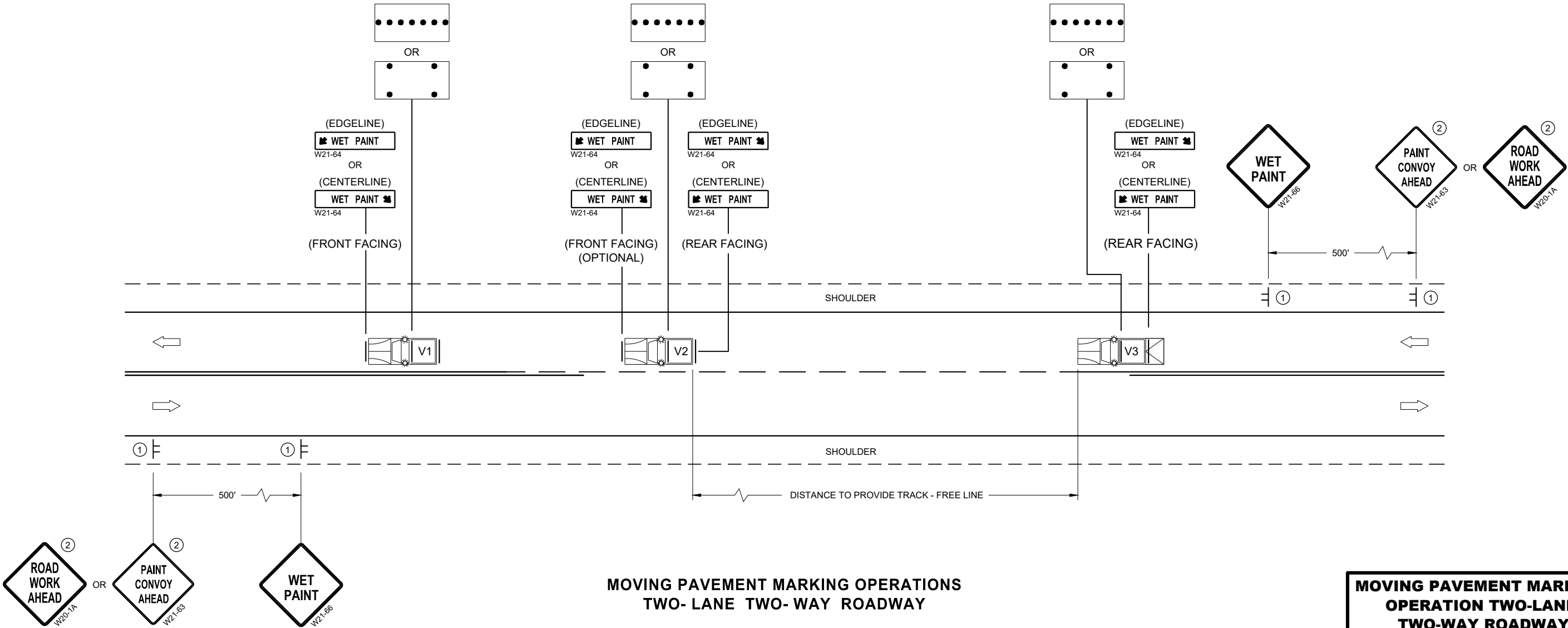
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 18" FOR WET PAVEMENT MARKING .

- ① SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
- ② IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING
OPERATION TWO-LANE
TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
FHWA

LEGEND

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

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.

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 AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

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

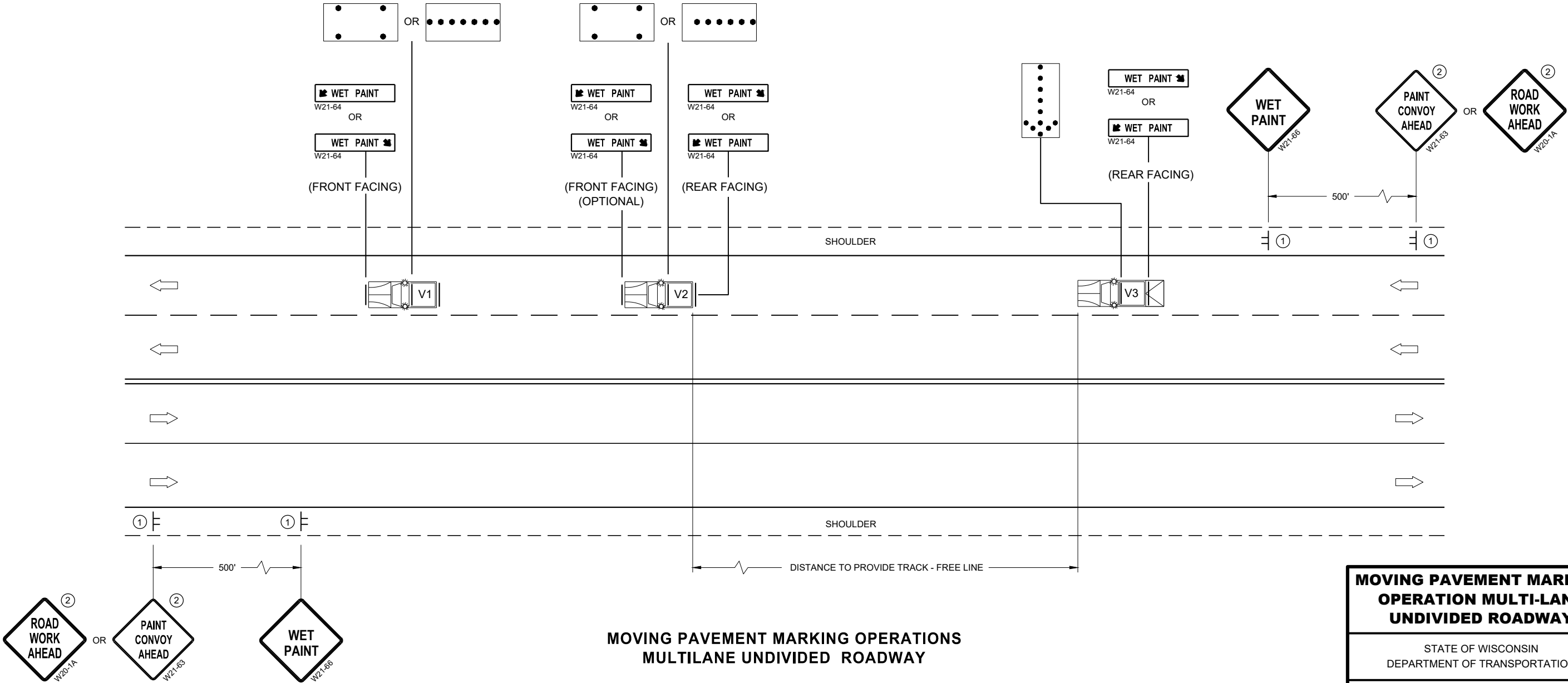
WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLES AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL HAVE A MINIMUM HEIGHT OF 18" FOR WET PAVEMENT MARKINGS.

- ① SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
- ② IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS
MULTILANE UNDIVIDED ROADWAY

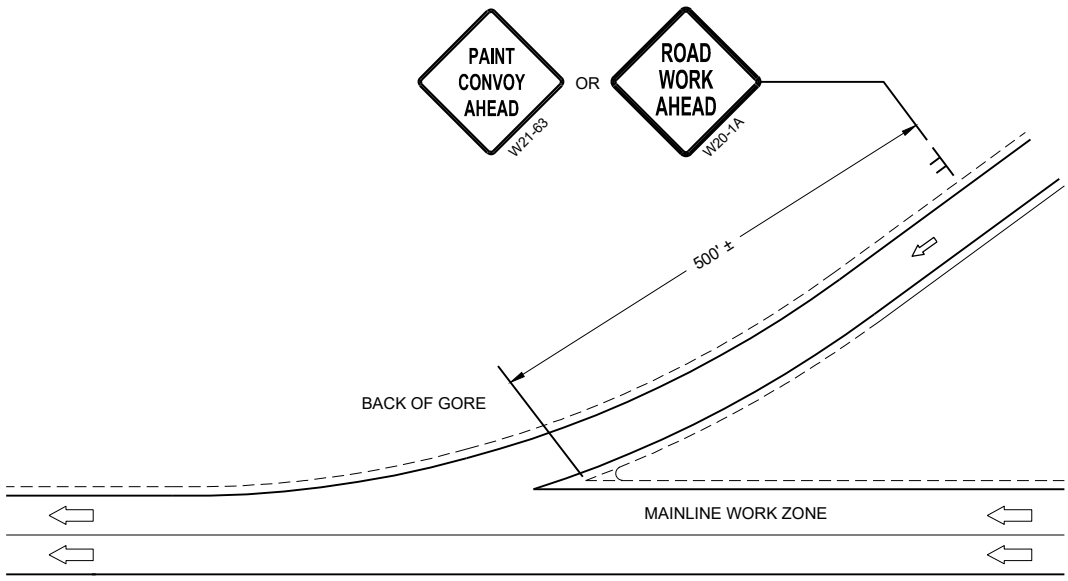
MOVING PAVEMENT MARKING
OPERATION MULTI-LANE
UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
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LEGEND

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



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.

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 AND 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.

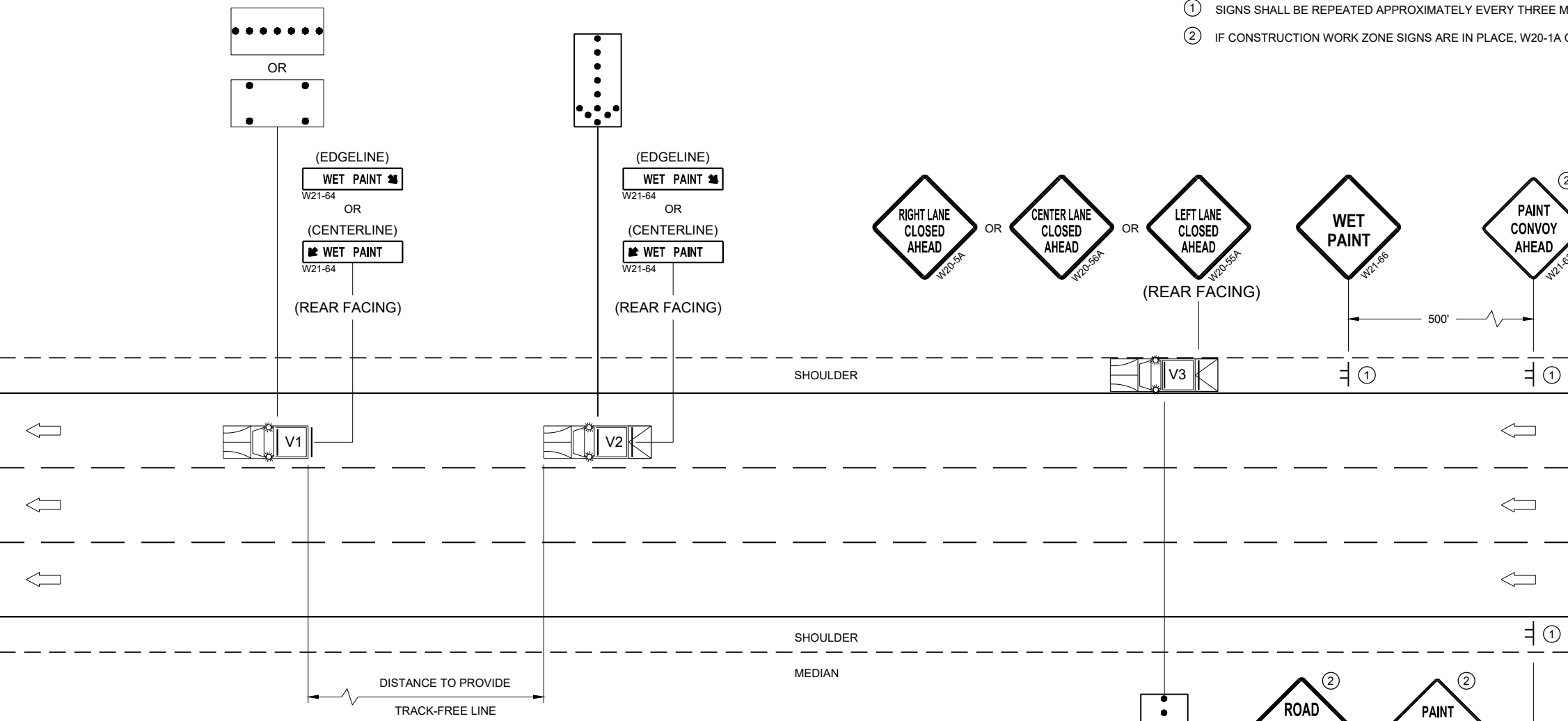
IF THE SHOULDER IS TOO NARROW TO ACCOMMODATE THE LAST TRAILING VEHICLE, THE VEHICLE SHOULD STRADDLE THE EDGE LINE.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM HEIGHT OF 18" FOR WET PAVEMENT MARKINGS

- ① SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY ON RAMP.
- ② IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.

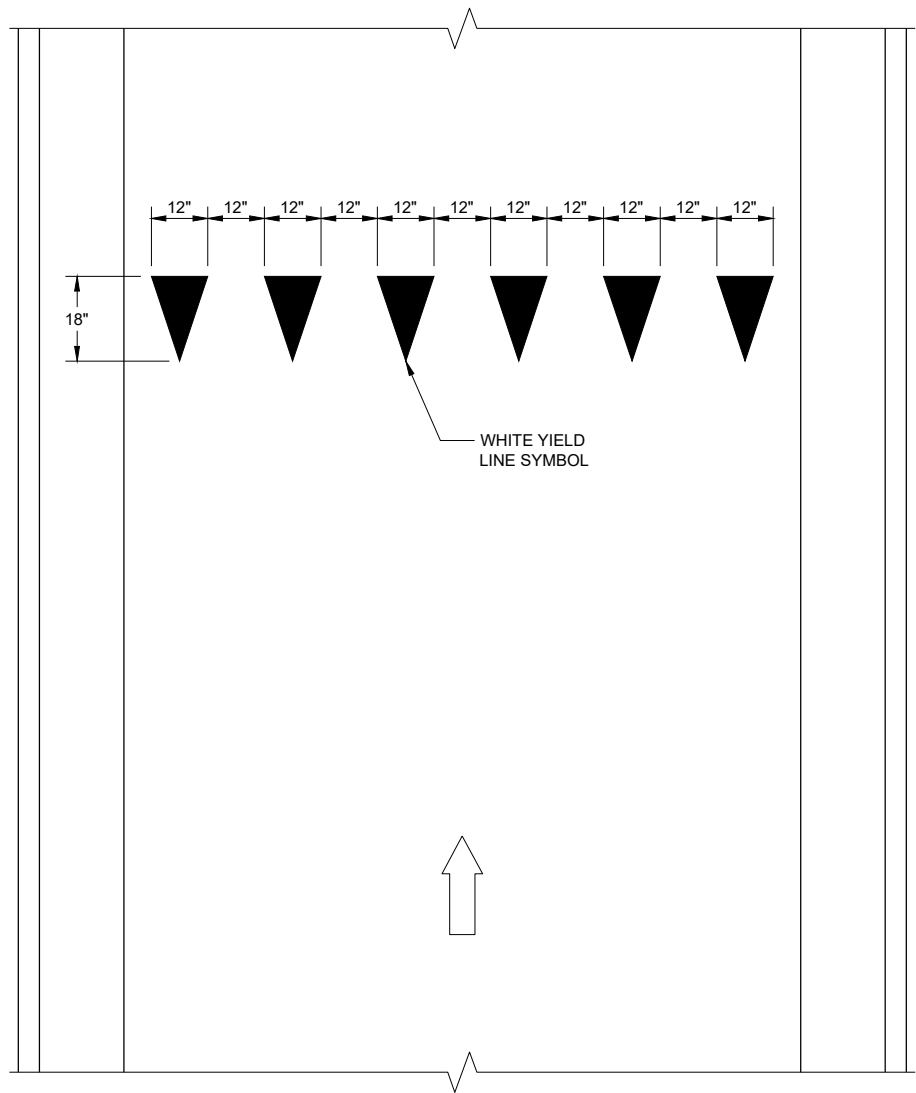


MOVING PAVEMENT MARKING OPERATIONS
MULTILANE DIVIDED ROADWAY

MOVING PAVEMENT MARKING
OPERATION MULTI-LANE
DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

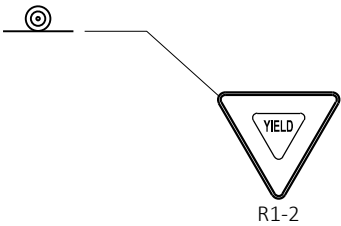
APPROVED
November 2019 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
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YIELD LINE

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  DIRECTION OF TRAVEL



YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	/S/ Matthew R. Rauch
4-81-2016	STATE SIGNING AND MARKING
DATE	ENGINEER

FHWA

GENERAL NOTES

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

① USED ONLY WHEN APPROVED BY REGION TRAFFIC ENGINEER.

* SIGNS MAY BE OMITTED IF SPACE DOES NOT PERMIT PLACEMENT.

** IF POSTED SPEED IS 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).

LEGEND

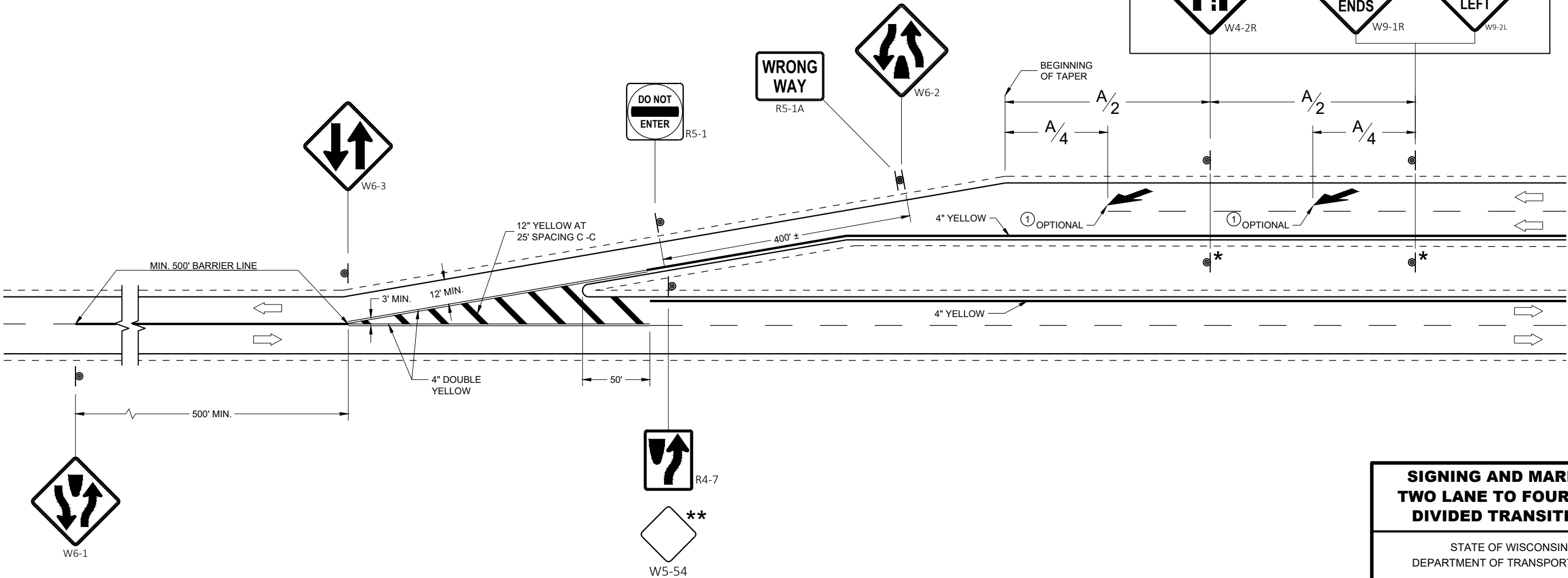
A DISTANCE DEPENDENT ON SPEED (SEE TABLE)

⦿ SIGN MOUNTED ON PERMANENT SUPPORT

➡ DIRECTION OF TRAFFIC

DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
25	325'
30	460'
35	565'
40	670'
45	775'
50	885'
55	990'
65	1200'
70	1250'

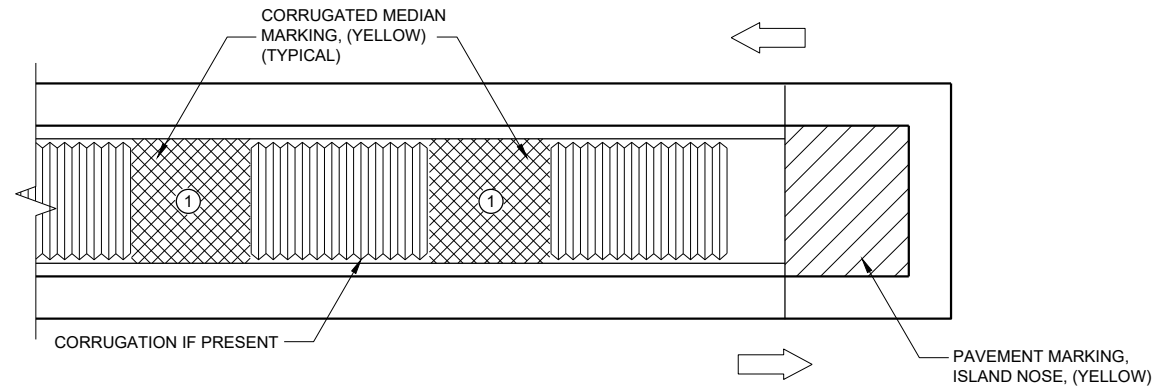


SIGNING AND MARKING
TWO LANE TO FOUR LANE
DIVIDED TRANSITIONS

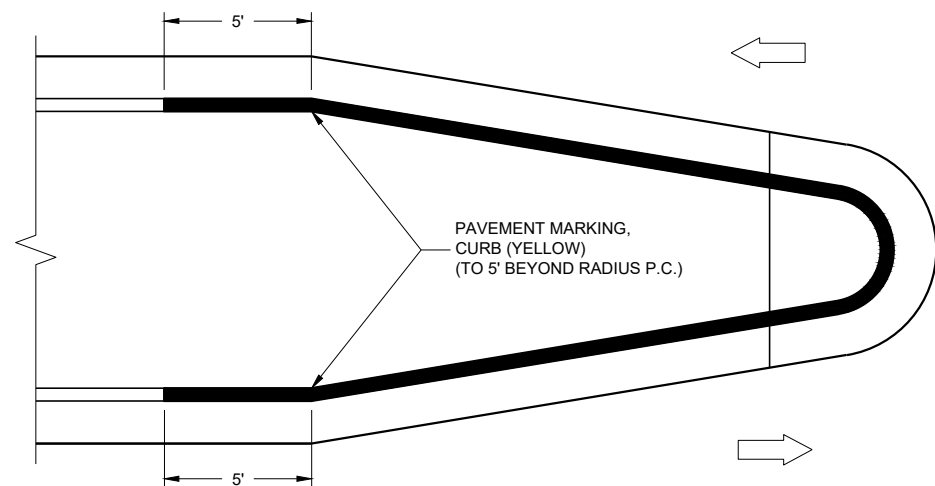
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 /S/ Matthew Rauch
DATE STATE SIGNING AND MARKING
ENGINEER

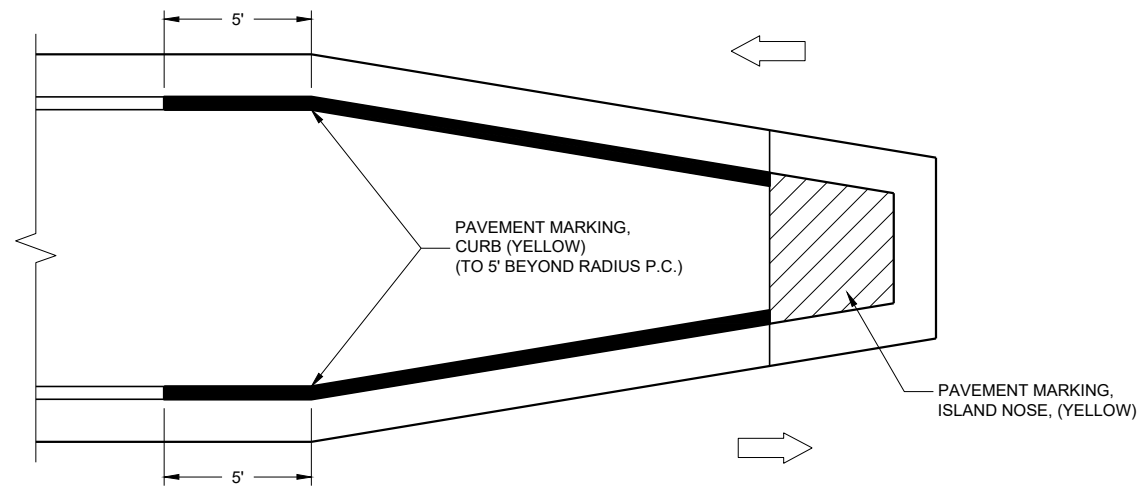
FHWA



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

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

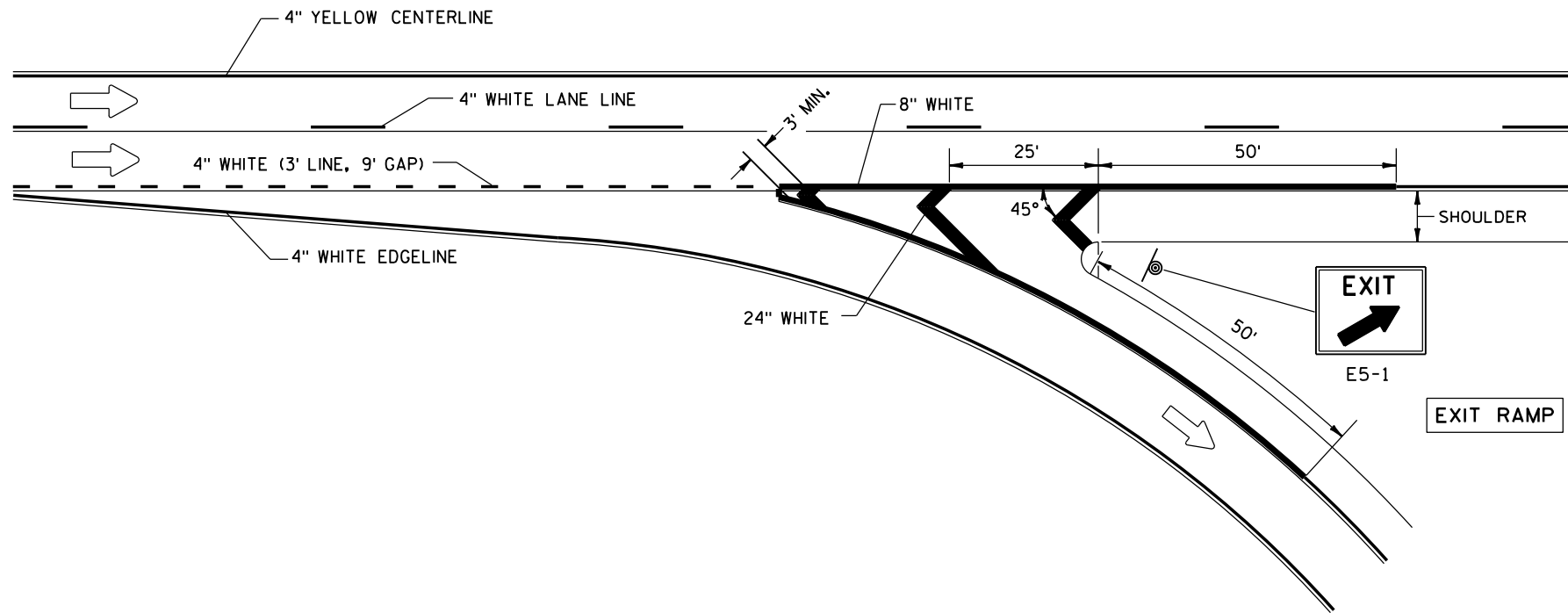
DATE

FHWA

/S/ Matthew R. Rauch

STATE SIGNING AND MARKING

ENGINEER



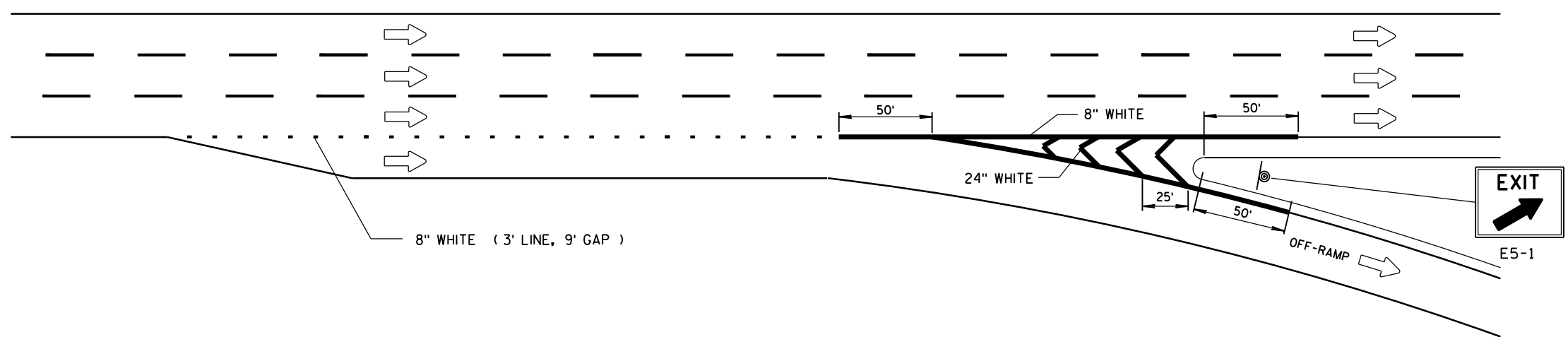
GENERAL NOTES

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)

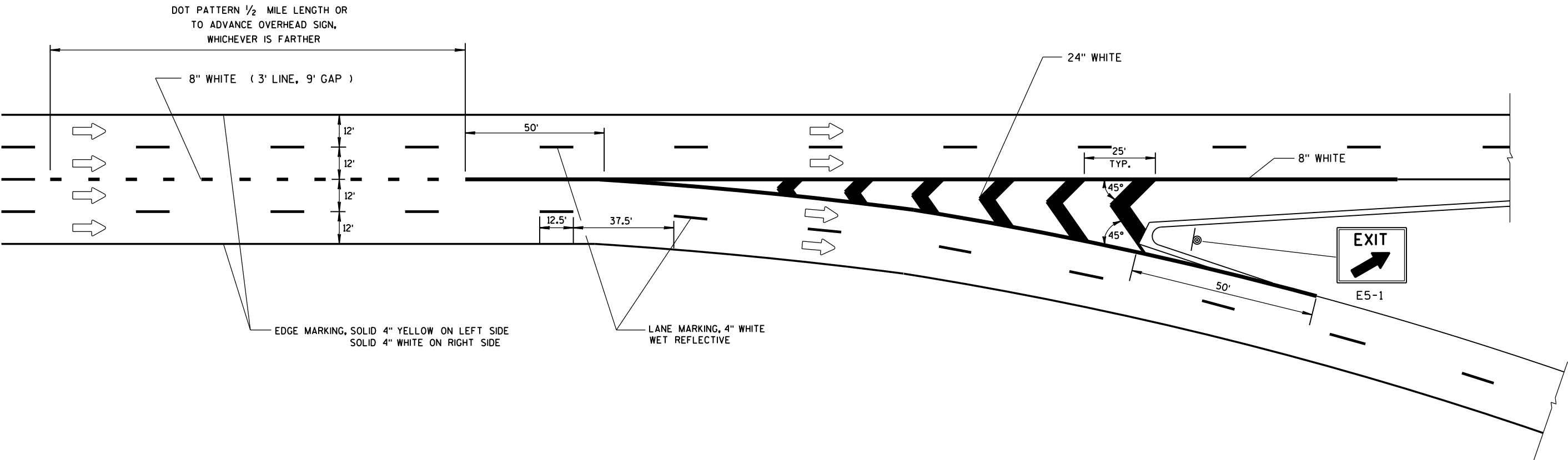
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

- ➡ DIRECTION OF TRAVEL
- ⊙ SIGN ON PERMANENT SUPPORT



PAVEMENT MARKING
MAJOR SPLIT
FREEWAY TO FREEWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

① 1/2 LENGTH OF FULL WIDTH ACCELERATION LANE.

PAVEMENT MARKING FOR ENTRANCE RAMP

LEGEND

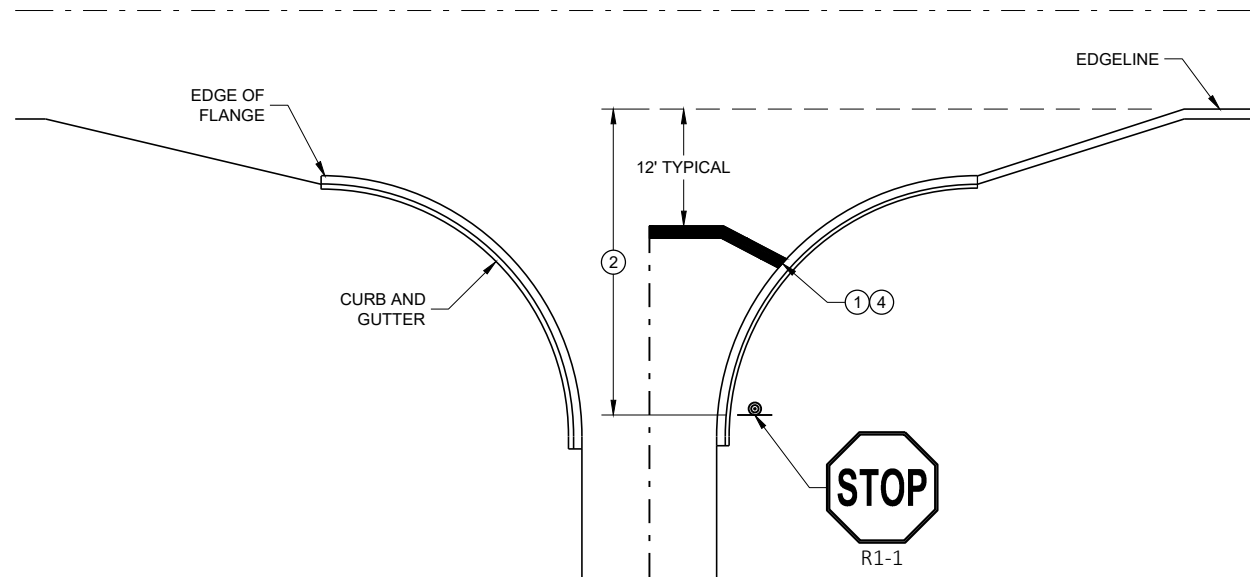
➡ DIRECTION OF TRAVEL

SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE-RAMP

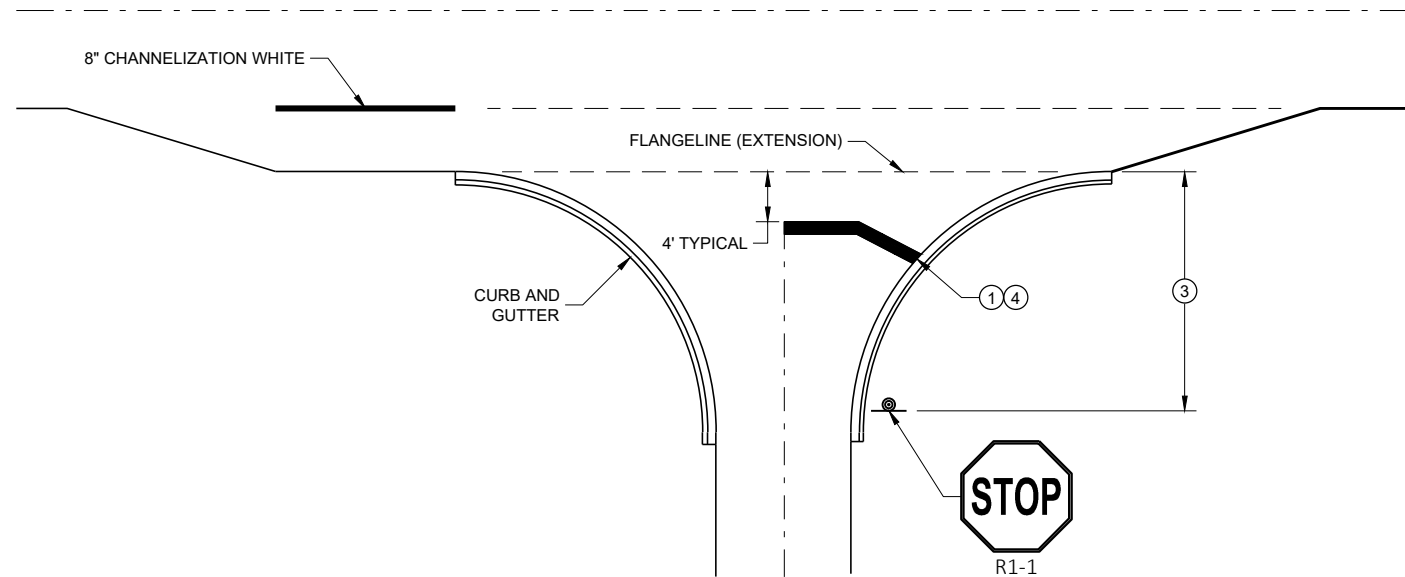
**PAVEMENT MARKING FOR
PARALLEL ON-RAMP AND
PARALLEL OFF-RAMP**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

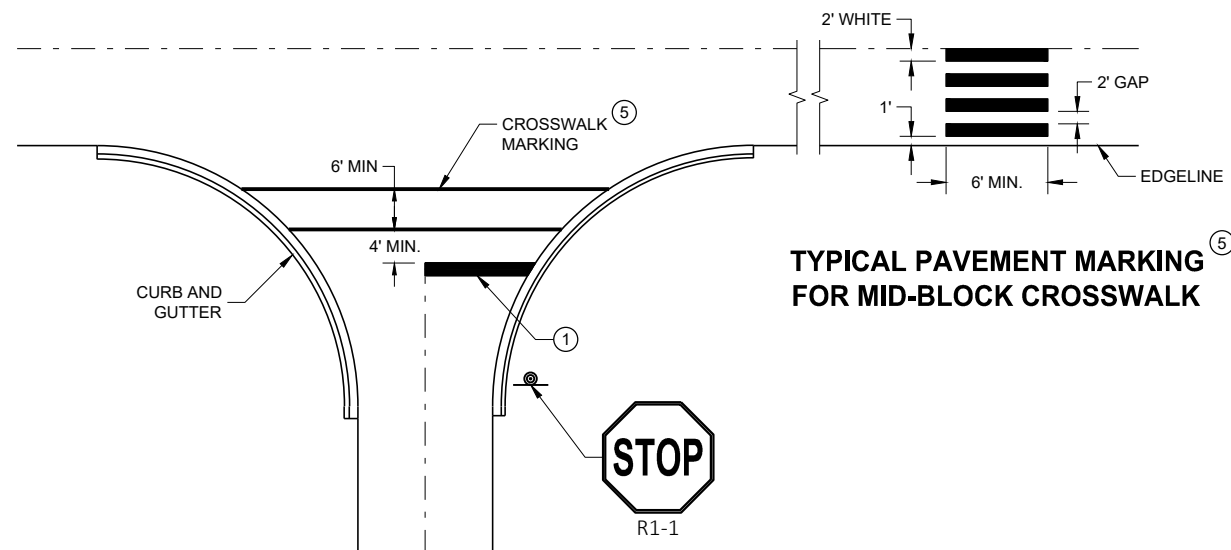
APPROVED
Sept., 2017 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA



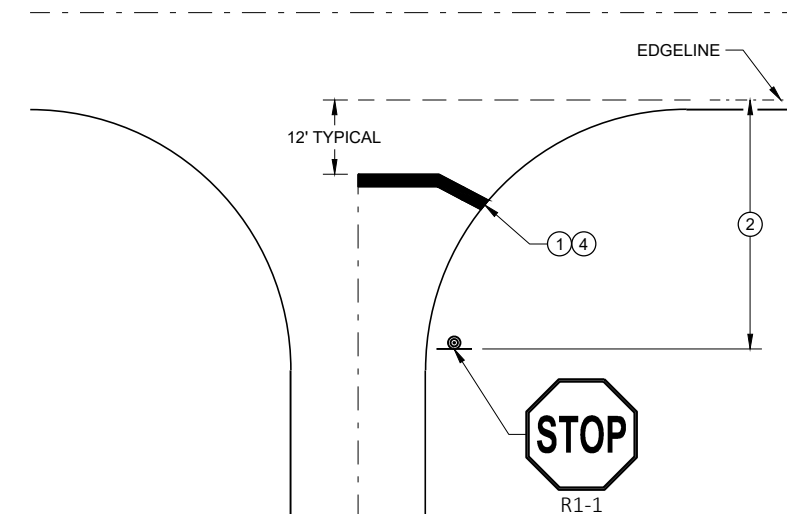
TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR
SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING
WITHOUT CURB AND GUTTER

GENERAL NOTES

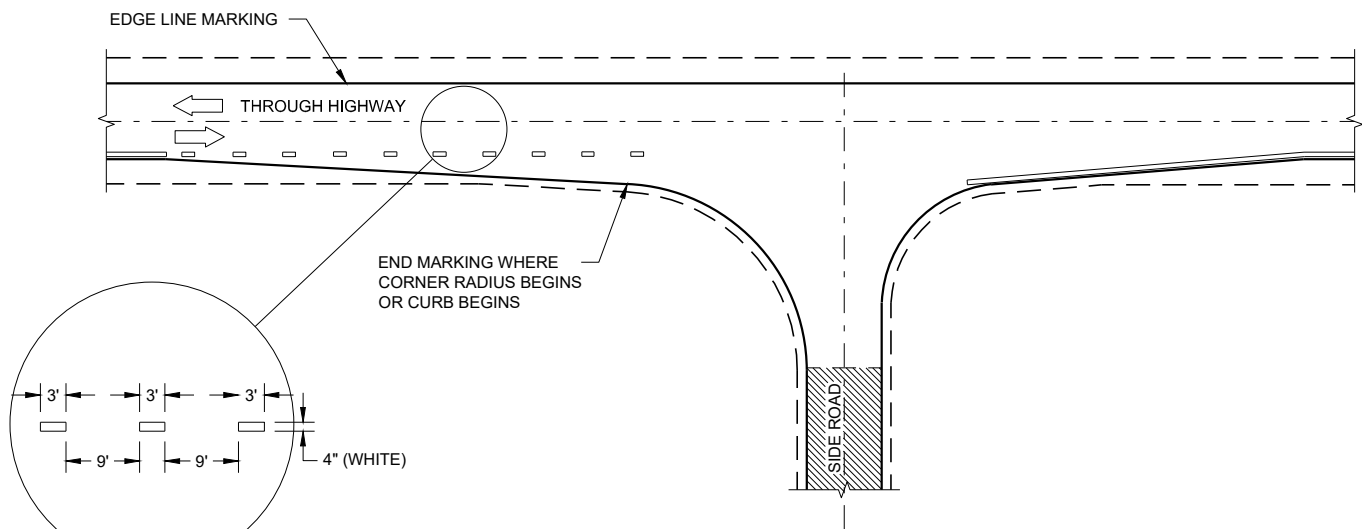
STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGE LINE LOCATION.

- ① 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- ② NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGE LINE.
- ③ NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
- ④ MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
- ⑤ LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.

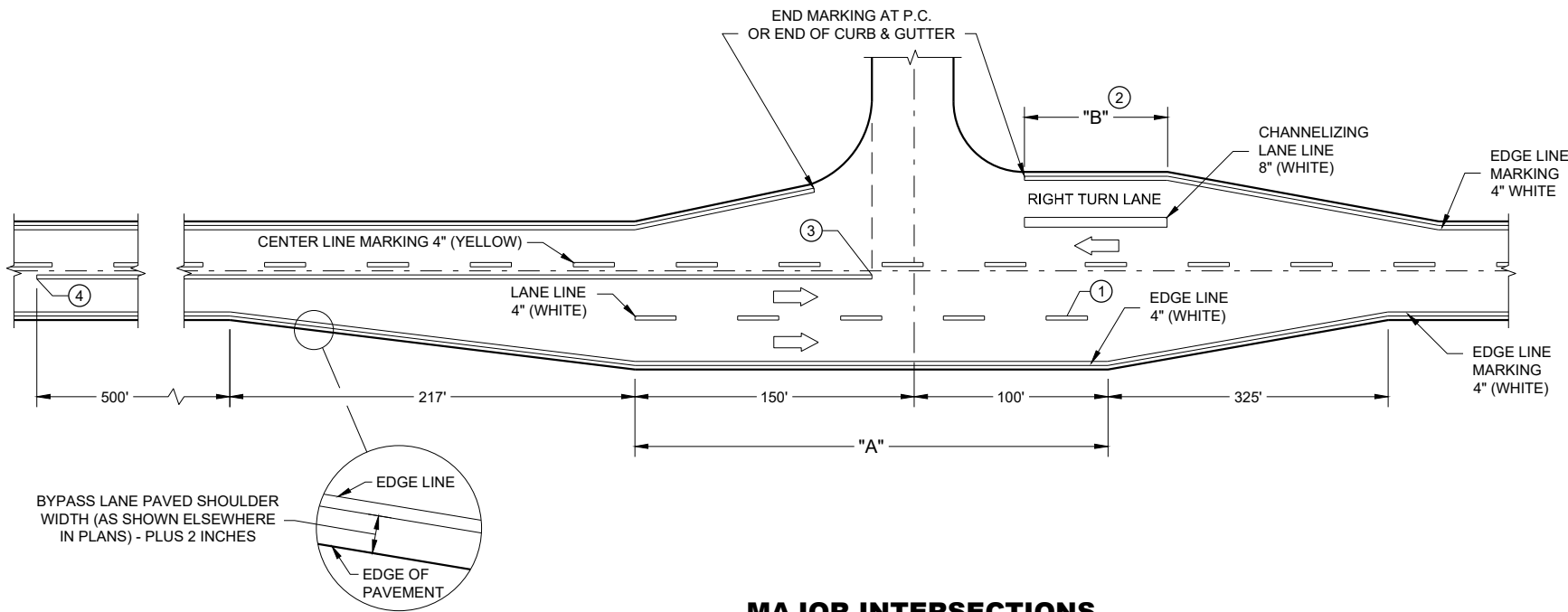
STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 DATE /S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER
FHWA



MINOR INTERSECTION



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

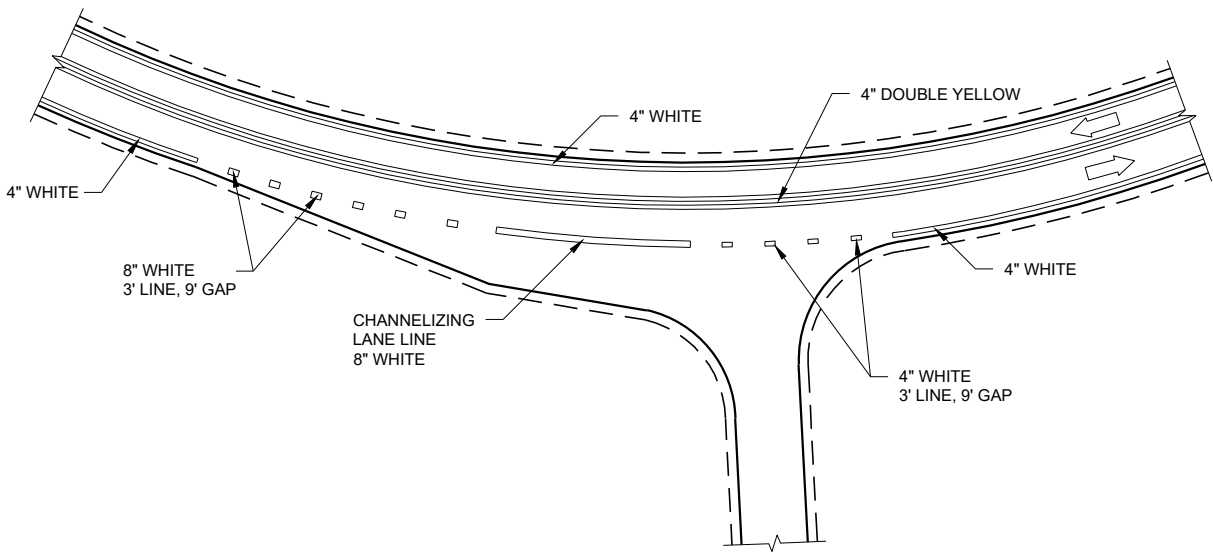
GENERAL NOTES

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.

LEGEND

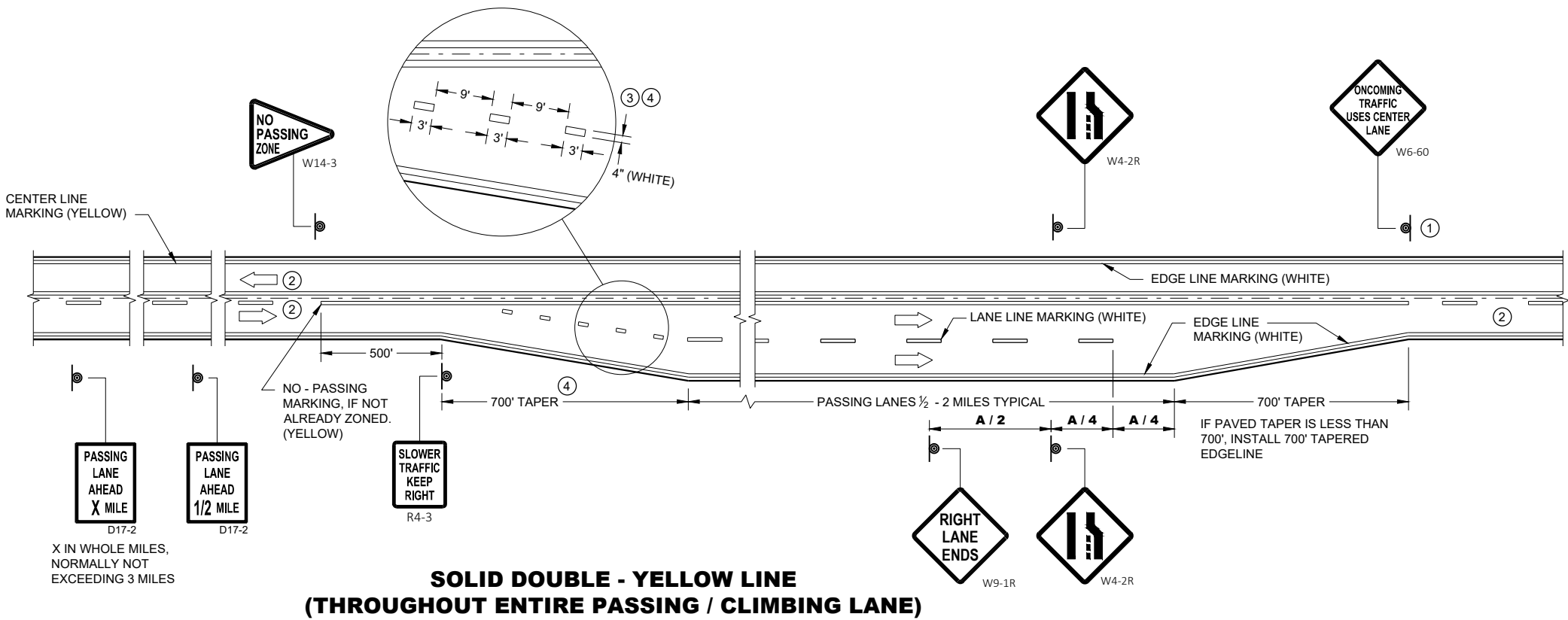
➡ DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



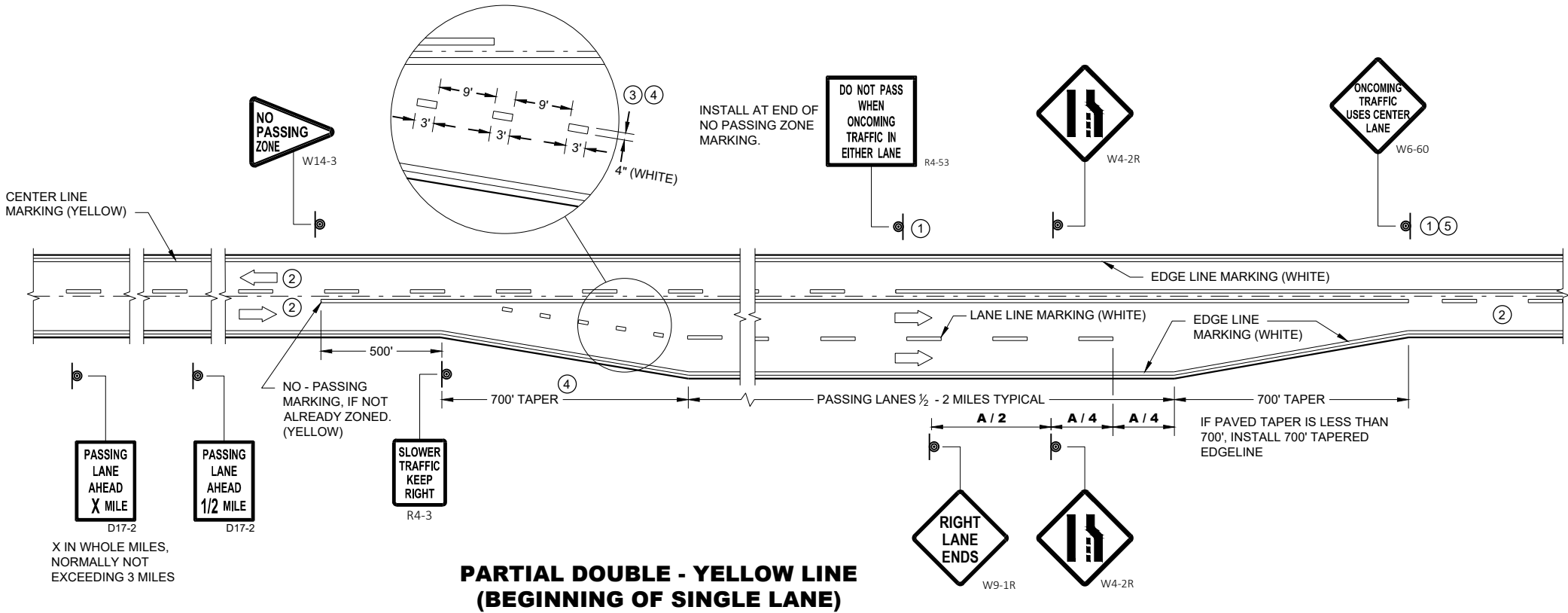
GENERAL NOTES

- 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.
- 5 REPEAT EVERY 1 MILE UP UNTIL R4-53.

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

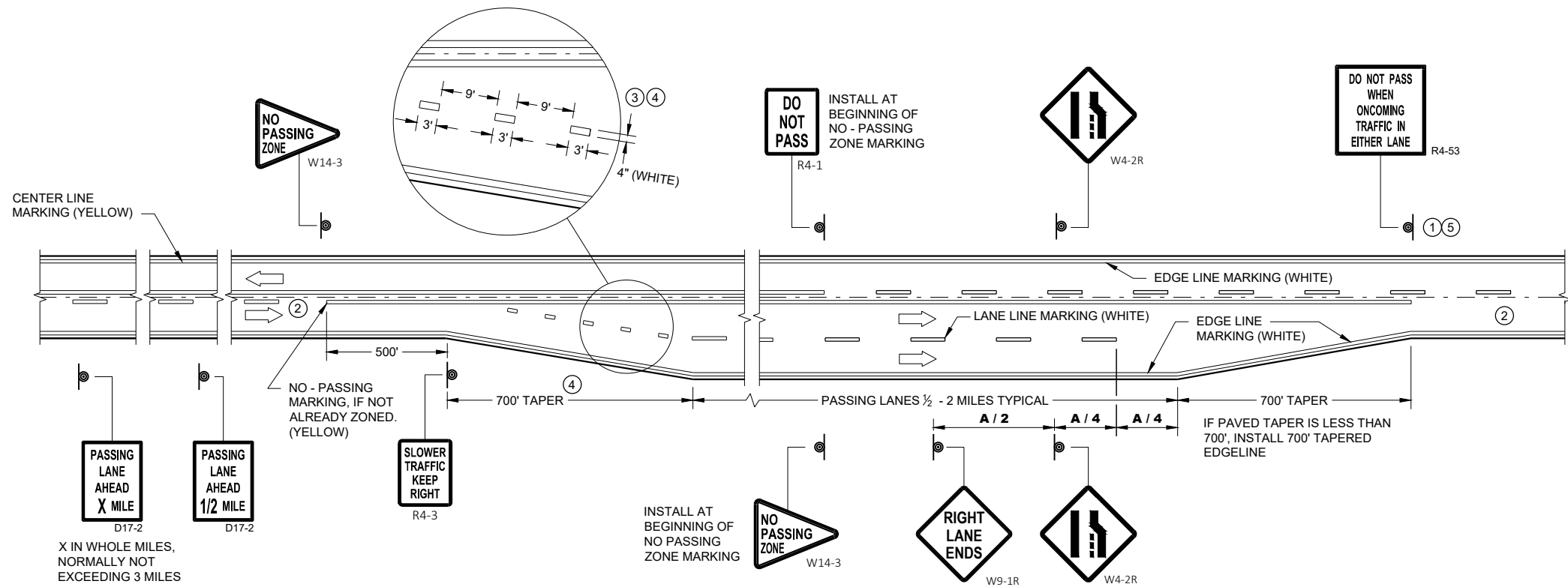
DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990

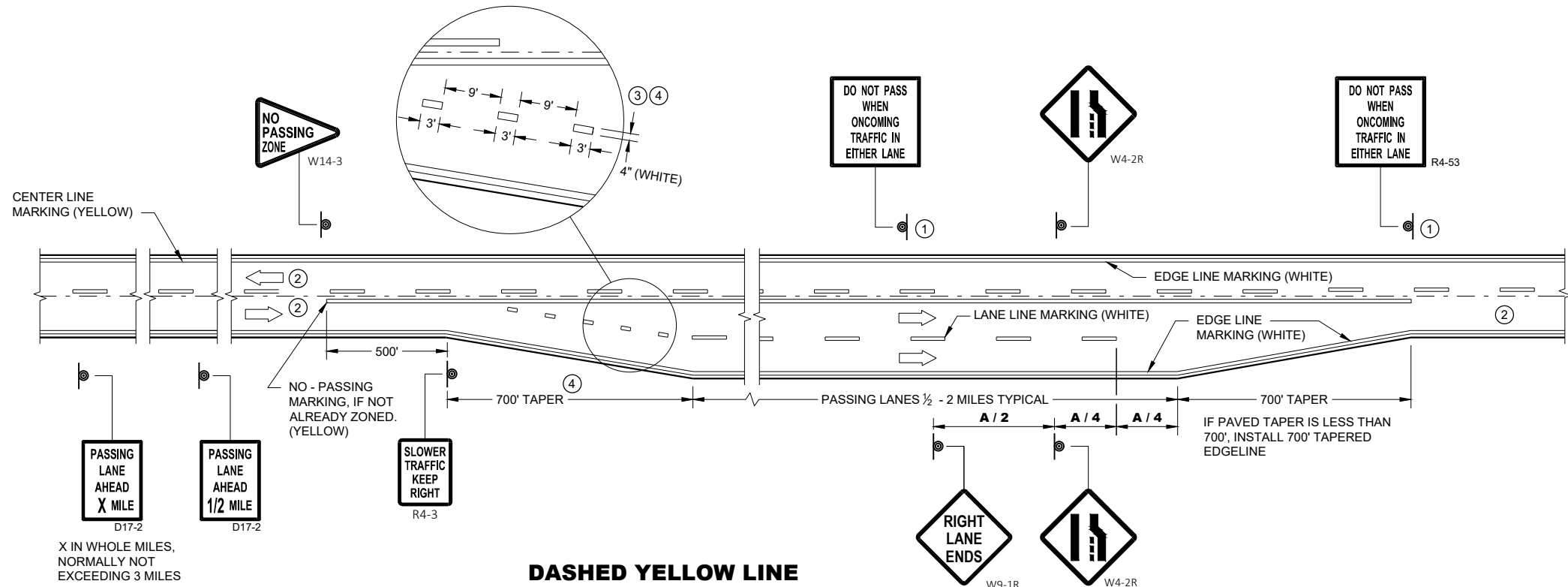


**PAVEMENT MARKING & SIGNING
(CLIMBING LANE & PASSING LANE)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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



**DASHED YELLOW LINE
(THROUGHOUT SINGLE 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.
- 5 REPEAT EVERY ONE MILE UP UNTIL NO PASSING ZONE.

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

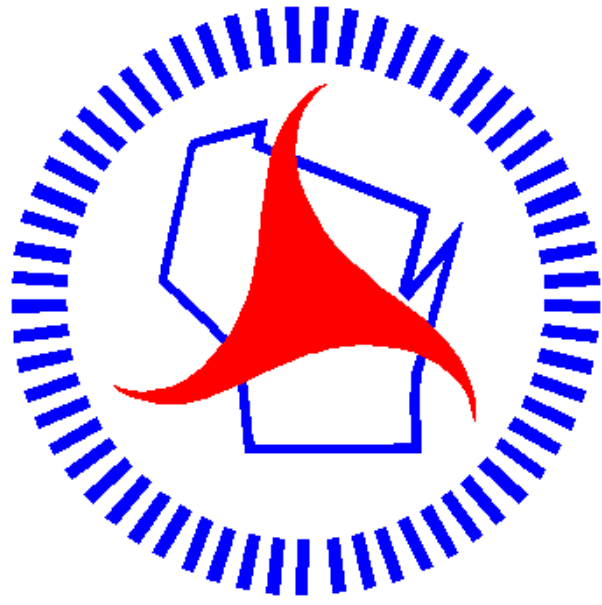
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 /S/ Matthew 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>