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WITH: N/A

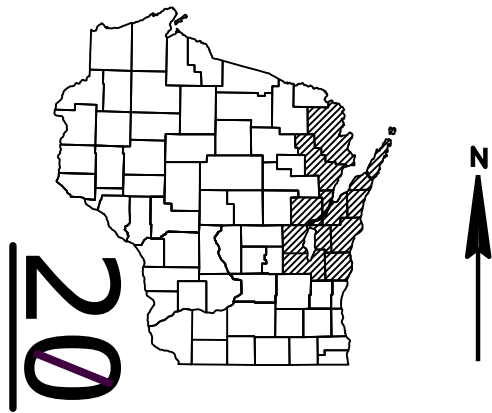
PROJECT ID:  
**1009-34-34**

COUNTY:  
**NE REGION WIDE**

FEBRUARY 2022  
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
<del>Section No.</del>	<del>4</del>	<del>Right of Way Plat</del>
<del>Section No.</del>	<del>5</del>	<del>Plan and Profile</del>
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
<del>Section No.</del>	<del>8</del>	<del>Structure Plans</del>
<del>Section No.</del>	<del>9</del>	<del>Computer Earthwork Data</del>
<del>Section No.</del>	<del>9</del>	<del>Cross Sections</del>

TOTAL SHEETS = 50



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	

# STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

## PLAN OF PROPOSED IMPROVEMENT

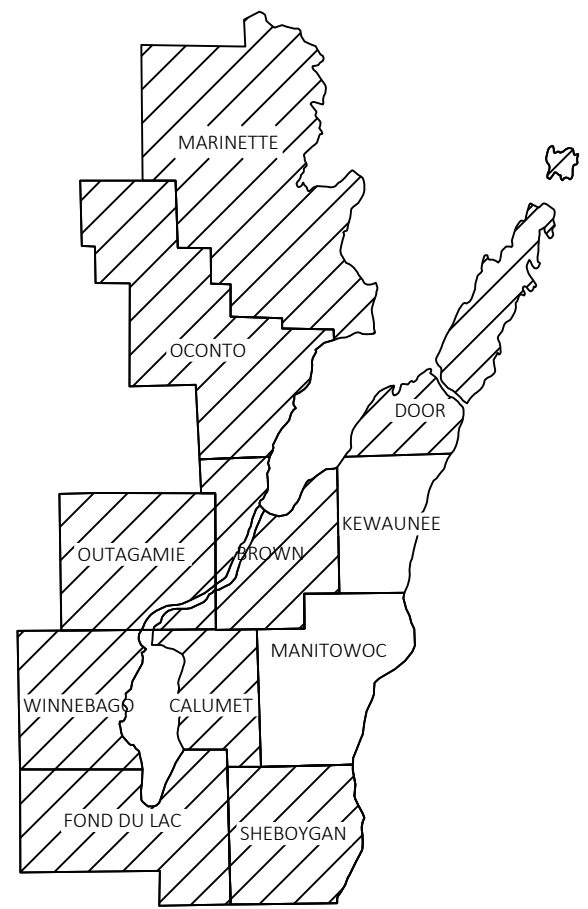
# EPOXY PAVEMENT MARKING-STH/USH

LOCATIONS ON STN PER ANNUAL PLN

## VAR HWY

## NORTHEAST REGION WIDE

STATE PROJECT NUMBER
<b>1009-34-34</b>



BROWN CO	30.25 MILES
DOOR	0.50 MILES
CALUMET CO	11.00 MILES
FOND DU LAC CO	3.20 MILES
MARINETTE CO	22.40 MILES
OCONTO CO	35.70 MILES
OUTAGAMIE CO	1.75 MILES
SHEBOYGAN CO	33.50 MILES
WINNEBAGO	12.00 MILES

TOTAL 150.30 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), (NAME) COUNTY, NAD83 HYEAR, IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (YEAR). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-34-34		

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	
Designer	S. HERLACHE
Project Manager	E. SIKORSKI
Regional Examiner	
Regional Supervisor	M. FREWERD

APPROVED FOR THE DEPARTMENT

DATE: 10/28/2021

(Signature)

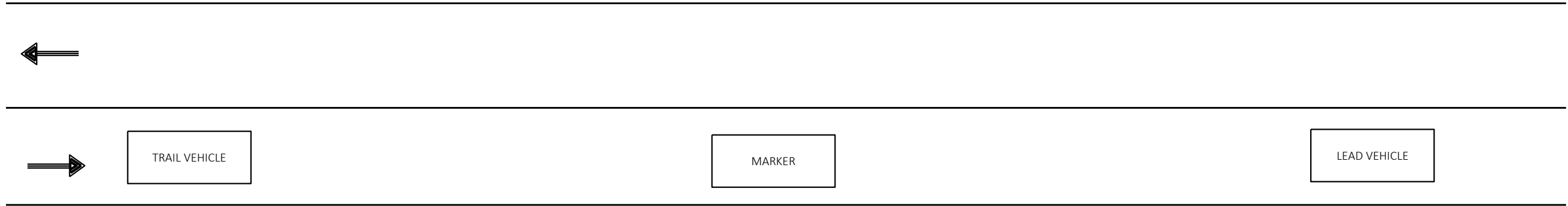
**E**

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.

- 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:

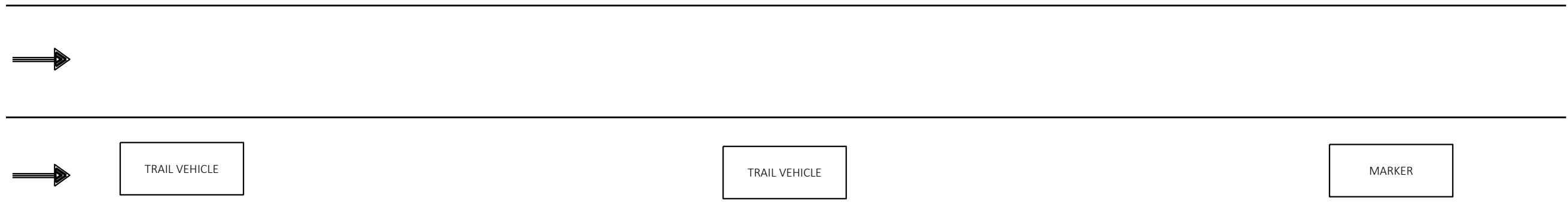
ALL VEHICLES SHALL HAVE FLASHING WARNING LIGHTS, FRONT AND REAR.

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)



END IH 41  
@ CTH M  
(LINEVILLE RD)  
LOG MI 85.60

IH 41 @  
MASON ST (STH 54  
ROUND A BOUTS)  
LOG MI 0.25

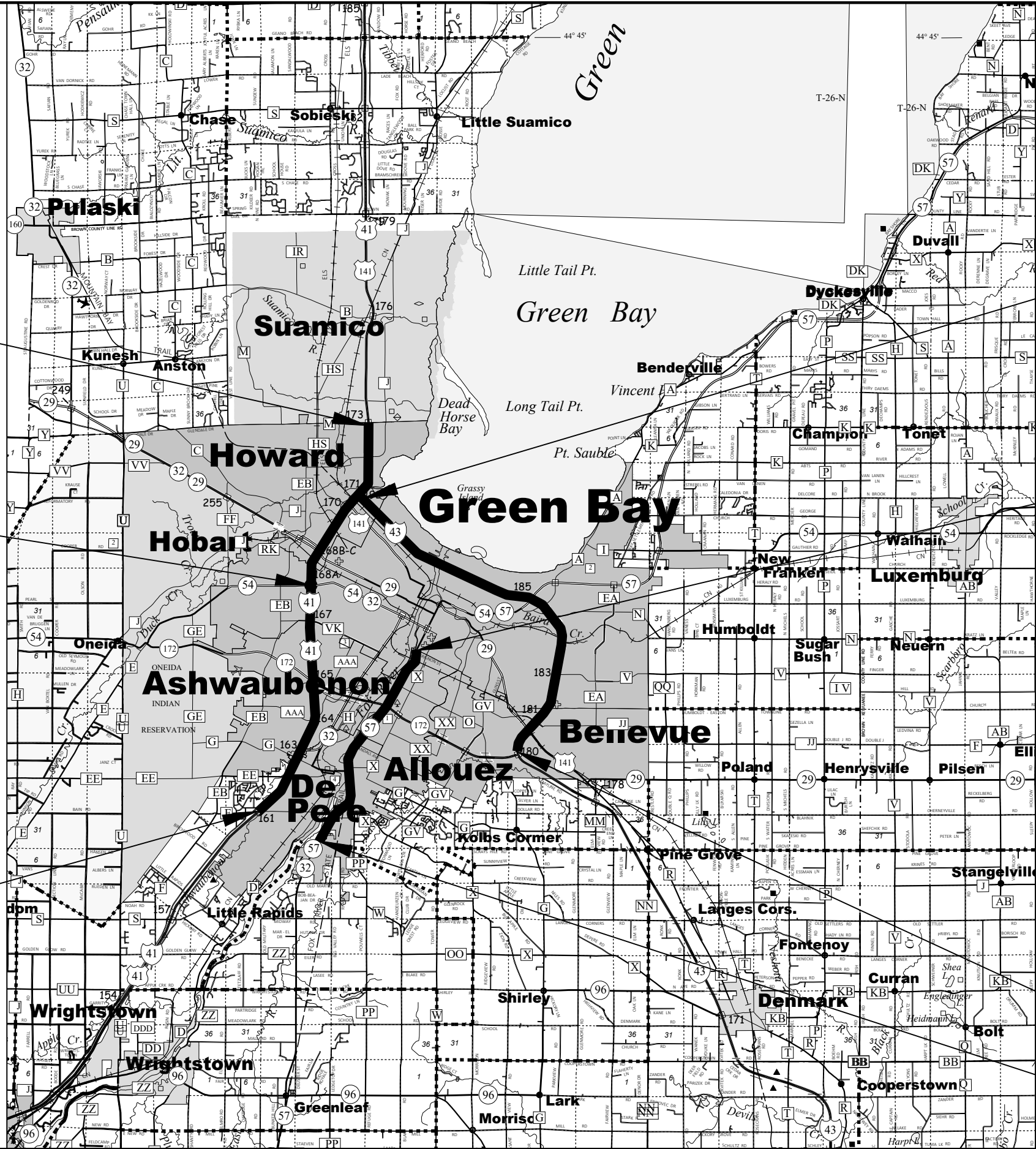
BEGIN IH 41  
@ CTH F  
(SCHEURING RD)  
LOG MI 71.90

END IH 43  
@ IH 41  
LOG MILE 80.00

END STH 57  
@ GRIGNON AVE  
LOG MILE 28.00

BEGIN IH 43  
@ STH 172  
LOG MI 69.00

BEGIN STH 57  
@ RANDAL AVE  
LOG MI 24.75





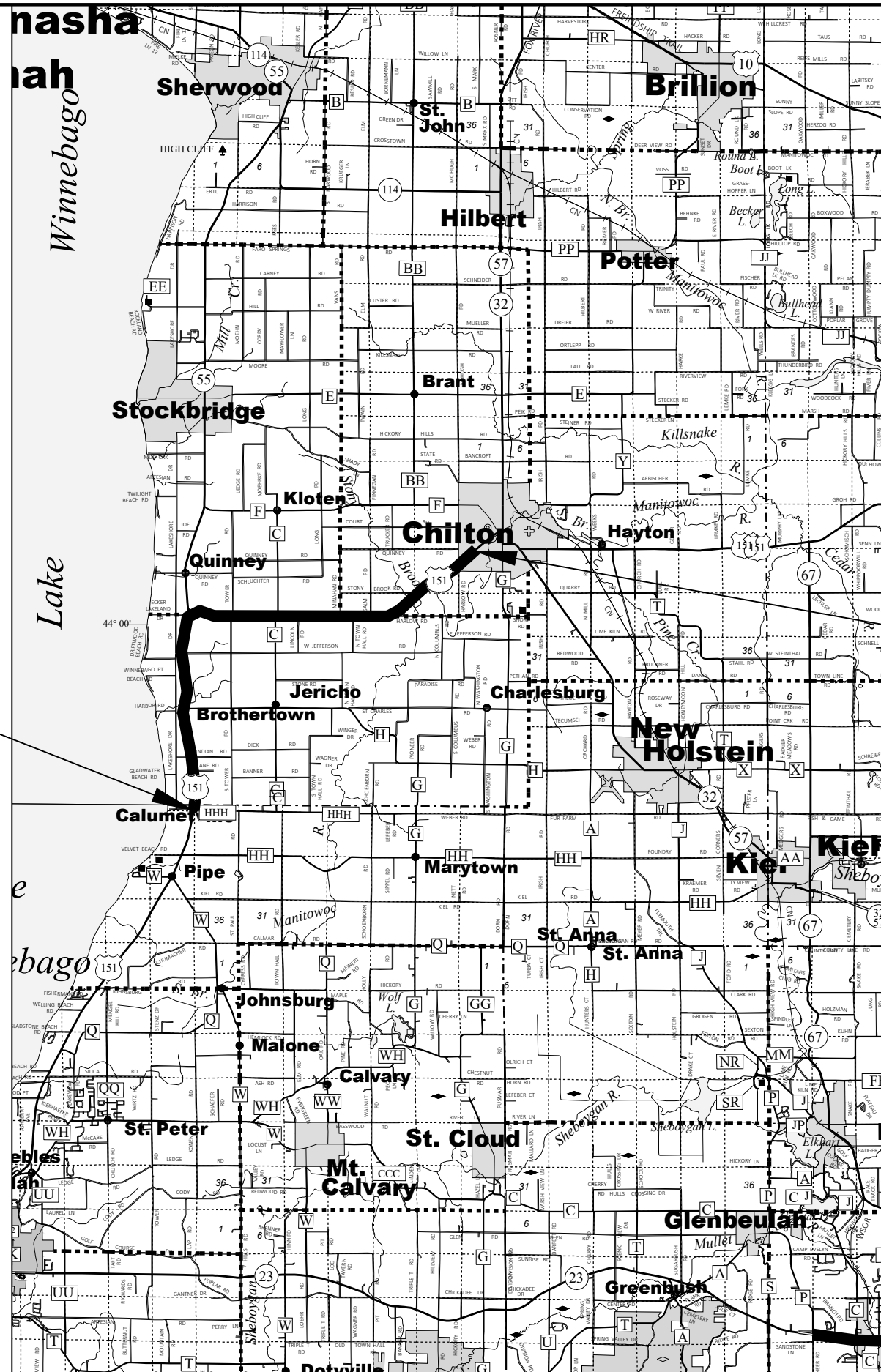
STH 42/57 BUSINESS  
(ROUND A BOUT)  
LOG MI 0.25

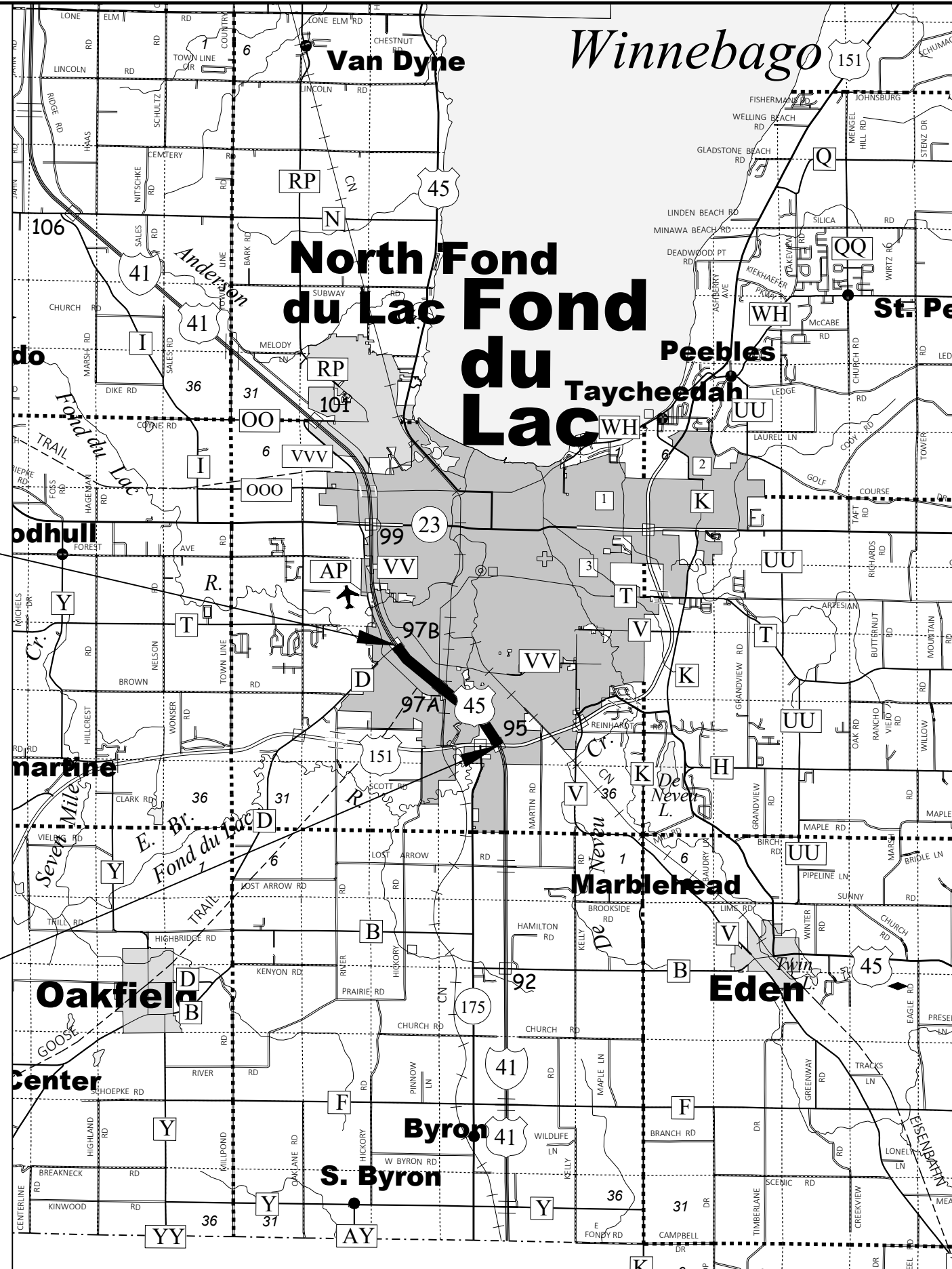
STH 42 @ CTH TT  
(ROUND A BOUT)  
LOG MI 0.25



BEGIN USH 151  
CALUMET/FOND DU LAC  
COUNTY LINE  
LOG MI 33.65

END USH 151  
CHILTON @  
QUINNEY RD  
LOG MI 45.00



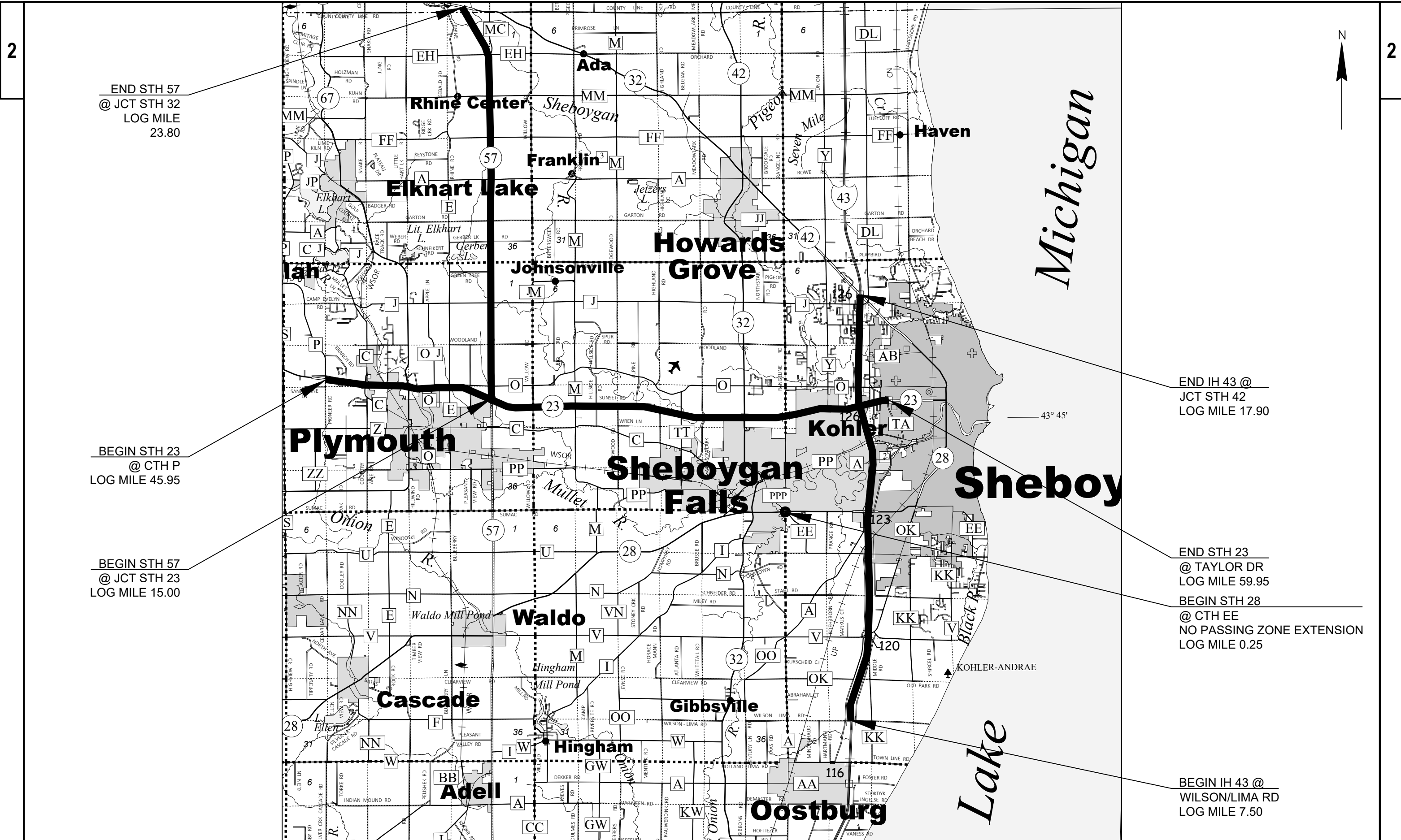


END CTH D  
@ MILITARY RD  
LOG MI 9.95

BEGIN IH 41  
@ USH 151  
LOG MI 6.75

PROJECT NO: 1009-34-34	HWY: VARIES	COUNTY: VARIES	PAVEMENT MARKING LOCATION MAP	SHEET	E
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END STH 57  
@ JCT STH 32  
LOG MILE  
23.80

BEGIN STH 23  
@ CTH P  
LOG MILE 45.95

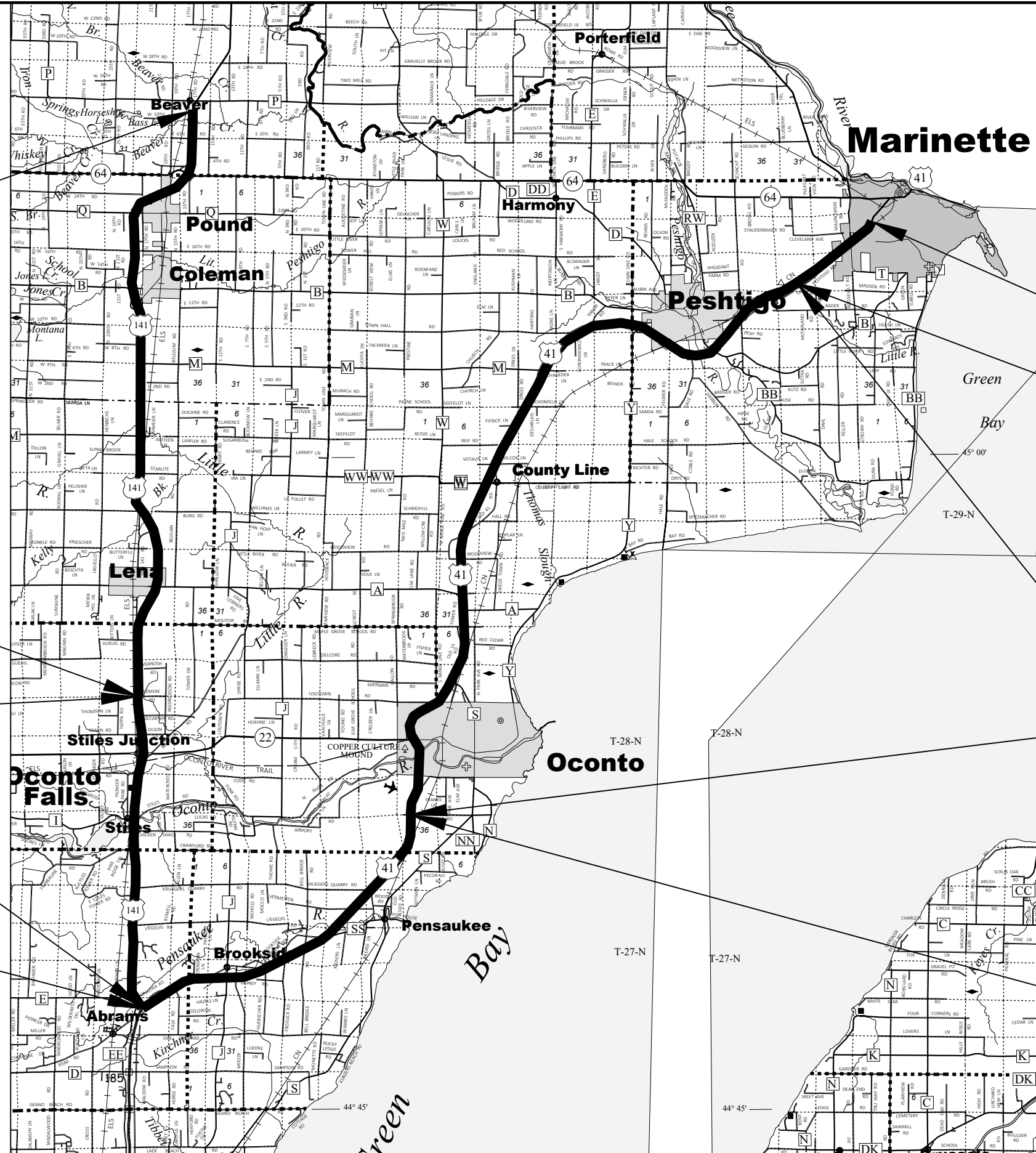
BEGIN STH 57  
@ JCT STH 23  
LOG MILE 15.00

END IH 43 @  
JCT STH 42  
LOG MILE 17.90

END STH 23  
@ TAYLOR DR  
LOG MILE 59.95  
BEGIN STH 28  
@ CTH EE  
NO PASSING ZONE EXTENSION  
LOG MILE 0.25

BEGIN IH 43 @  
WILSON/LIMA RD  
LOG MILE 7.50





END USH 141  
@ DIVIDED SOUTH OF CTH P  
LOG MI 36.90

END USH 41  
@ CLEVELAND AVE  
LOG MI 131.62

BEGIN USH 41  
@ FLAME RD  
LOG MI 128.95

BEGIN USH 141  
@ LEMERE RD  
LOG MI 20.50

END USH 41  
@ FLAME RD  
LOG MI 128.95

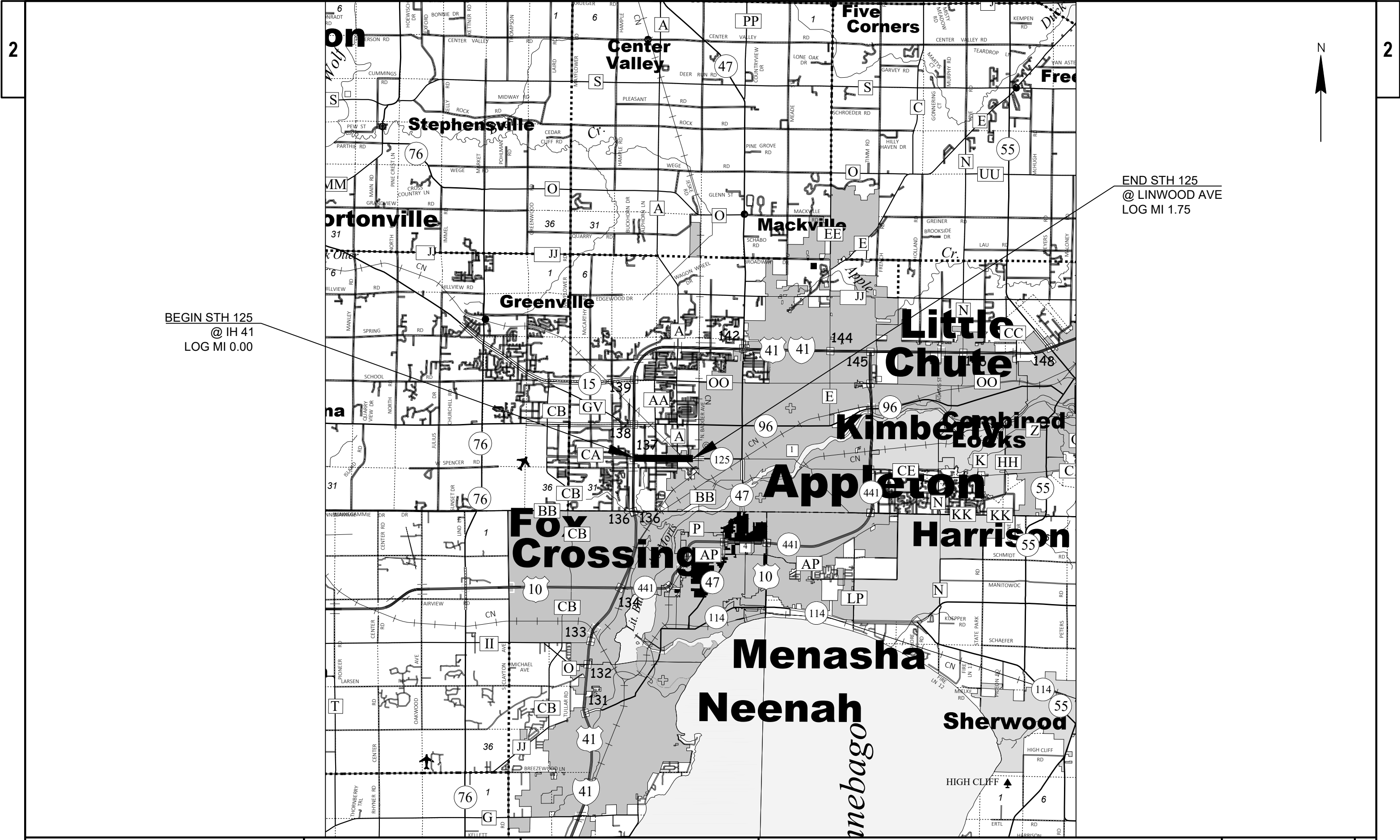
END USH 141  
@ LEMERE RD  
LOG MI 20.50

BEGIN USH 41  
@ FROG POND RD  
LOG MI 108.20

BEGIN USH 141  
@ JCT USH 41  
LOG MI 12.00

BEGIN USH 41 @  
ABRAMS 41/141 SPLIT  
LOG MI 98.65

END USH 41  
@ FROG POND RD  
LOG MI 108.20



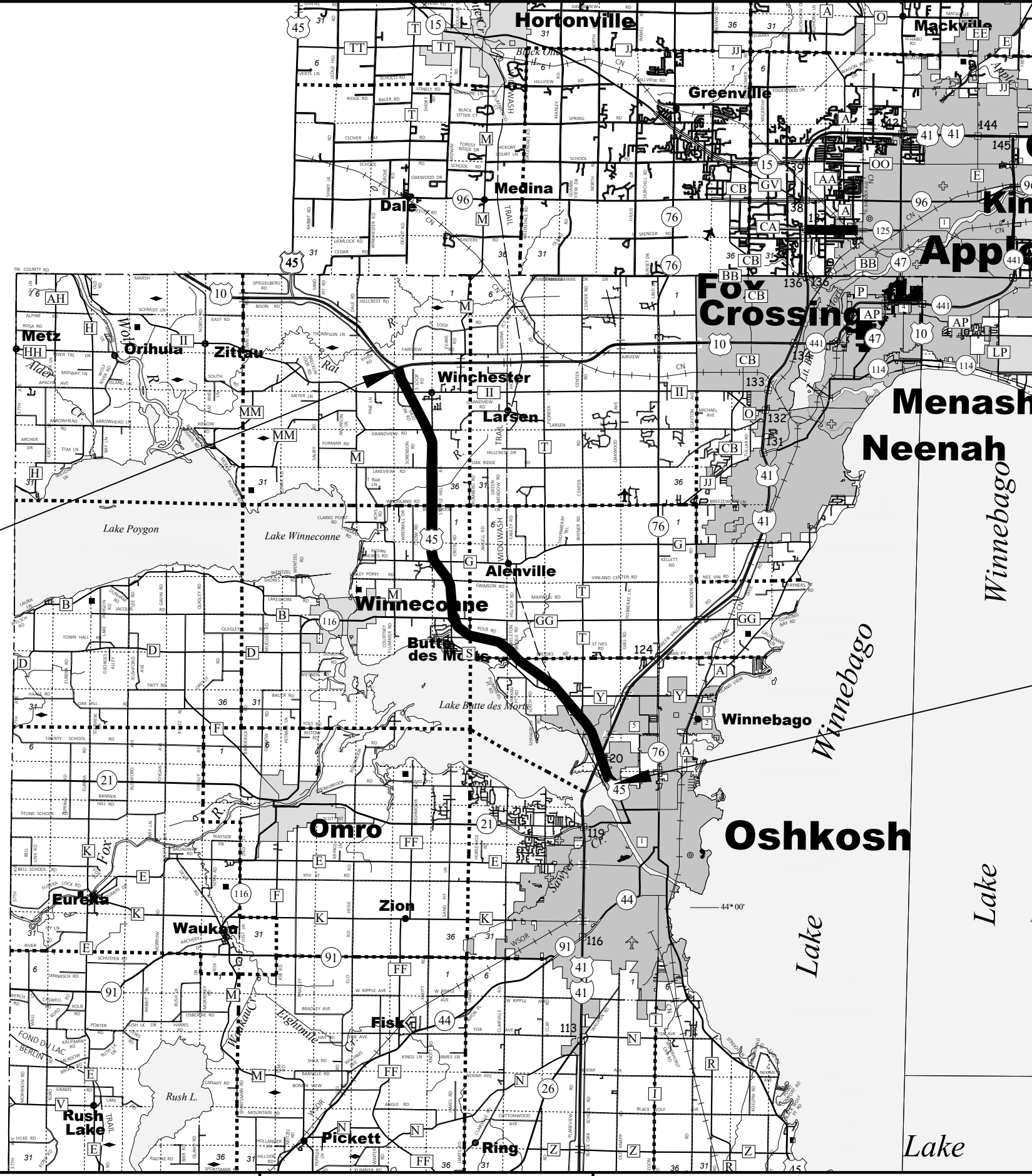
2

2

BEGIN STH 125  
@ IH 41  
LOG MI 0.00

END STH 125  
@ LINWOOD AVE  
LOG MI 1.75

PROJECT NO: 1009-34-34	HWY: VARIES	COUNTY: VARIES	PAVEMENT MARKING LOCATION MAP	SHEET	E
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END USH 45  
@ JCT USH 10  
LOG MI 58.45

BEGIN USH 45 @  
WEST PACKER AVE  
(1 MILE SOUTH OF IH 41)  
LOG MI 46.00

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

1009-34-34

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	3,443,875.000	3,443,875.000
0006	646.3020	Marking Line Epoxy 8-Inch	LF	63,190.000	63,190.000
0008	646.5020	Marking Arrow Epoxy	EACH	77.000	77.000
0010	646.5120	Marking Word Epoxy	EACH	38.000	38.000
0012	646.5320	Marking Railroad Crossings Epoxy	EACH	8.000	8.000
0014	646.5420	Marking Aerial Enforcement Bar Epoxy	EACH	60.000	60.000
0016	646.6120	Marking Stop Line Epoxy 18-Inch	LF	880.000	880.000
0018	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	216.000	216.000
0020	SPV.0060	Special .01 Traffic Control 1009-34-34	EACH	1.000	1.000

**PAVEMENT MARKING**

LOCATION	LOG MILE	Mile	646.1020 EPOXY 4-INCH			646.3020	646.6120	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	8-INCH EPOXY WHITE LF	STOP LINE EPOXY 18-INCH LF	
IH 41		14.00						
From: CTH F	71.90							Pvmt change 1/4 mi South of Scheuring Rd
To: CTH M	85.60							Pvmt change 1/4 mi North of CTH M / Lineville on ramp
<b>NORTH BOUND</b>			61,650	500	72,300	250		Rt / Lt Edge Lines ( Main line ) Lane line on bridge deck overlays various locations
( Exit 161 ) CTH F / Scheuring Rd			2,550		1,075			(Exit 161) Rt / Lt Ramp Edge Line / Arrows and word are on exit ramp
Enter CTH F / Scheuring Rd			800		150			Rt / Lt Ramp Edge Line
( Exit 163 A ) CTH G / Main Ave			1,300		825			(Exit 163 A) Rt / Lt Ramp Edge Line
Enter Ramp CTH G / Main Ave			1,400		950			Rt / Lt Ramp Edge Line
( Exit 164 A ) To Oneida St / Waube Ln			1,275		1,280			Rt / Lt Ramp Edge Line
Oneida St Dual Turn						20		Dual Turn from Oneida St NB to US 41 NB
Oneida St Dual Turn						10		Dual Turn from Oneida St SB to US 41 NB
On Ramp from Oneida St / Waube Ln			1,460		450			Rt / Lt Ramp Edge Line
( Connector / Distributor ) Exit Oneida to STH 172			1,785		4,515		15	Connector/Distributor Exit Oneida to Exit STH 172 / Stop bar bottom of ramp
( Exit 164 B ) STH 172			1,785		4,840			Rt/Lt Ramp Edge Line
To North 41 ( from Oneida / STH 172 Connector / Distributor)			1,355		1,295			Connector/Distributor from Oneida / STH 172 to 41 North
Exit Ramp to A. Straubel Airport / STH 172 West			1,200		2,200			Ramp to A. Straubel Airport / West 172
Exit Ramp to IH 43 / STH 172 East			1,900		900			Ramp to To IH 43 / East 172 Rt / Lt Edgelines
( Exit 167 ) CTH VK / Lombardi Ave			1,325		1,180	125	45	Rt / Lt Ramp Edge Lines / Stop bars / 8 inch dual turn to East Bound Lombardi
Enter Lombardi Ave			2,000		1,200			Rt / Lt Ramp Edge Line
( Exit 168 A ) Mason St			1,300		535			Rt / Lt Ramp Edge Line
Enter Mason St			1,750		500			Rt / Lt Ramp Edge Line
Connector / Distributor Edge lines			4,775		3,535			Connector / Distributor Mason to Shawano Ave
( Exit 168 B ) 29 West / STH 32 North			4,000		4,200			From 41 North to STH 29 W / STH 32N ( Exit 168 B )
(Exit 168 C) Shawano Ave Exit Ramp			1,050		450			Rt / Lt Ramp Edge Line Shawano Ave (Exit 168 C)
Shawano Ave On Ramp			3,200		1,000			Rt / Lt Ramp Edge Line
( Exit 170 A ) Ramp Velp Ave			2,545		750			(Exit 170 A) Velp Ave Rt / Lt Ramp Edge Line
( Exit 170 B ) Ramp to IH 43 SB			5,750		5,065			NB Exit to IH 43 SB / Velp Ave
On Ramp from Velp Ave			1,700		1,000			Rt / Lt Edge Line On Ramp from Velp Ave
(Exit 173) Lineville CTH M			1,460		950			Rt / Lt Ramp Edge Line Exit 173 Lineville
Lineville On Ramp			2,200		1,020			Rt / Lt Ramp Edge Line

see next page for remaining quantities at this location...

**PAVEMENT MARKING (continued)**

3

3

LOCATION	LOG MILE	Mile	646.1020 EPOXY 4-INCH			646.3020	646.6120	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	8-INCH EPOXY WHITE LF	STOP LINE EPOXY 18-INCH LF	
IH 41		14.00						
From: CTH F	71.90							Pvmt change 1/4 mi South of Scheuring Rd
To: CTH M	85.60							Pvmt change 1/4 mi North of CTH M/ Lineville on ramp
<b>SOUTH BOUND</b>			60,000	500	72,300	250		Rt/Lt Edge Lines ( Main line ) Lane lines on bridge deck overlays various locations
( Exit 173 ) Lineville CTH M			2,400		985			Rt/Lt Edge Line Exit 173 Lineville
Lineville On Ramp			1,265		975			Rt/Lt Edge Line On Ramp from Lineville
( Exit 170 B ) Ramp to IH 43 SB			2,550		5,225			( Exit 170 B ) Ramp to IH 43 SB
(Exit 170 A) Velp Ave			3,000	450	2,500			(Exit 170 A) Velp Ave South USH 141 / Rt, Lt Edge Lines, Bridge deck lane line
Enter from Velp			1,250		875			Rt/Lt Edge Line On Ramp from Velp Ave
STH 29 West/STH 32 North (Exit 168 B)			5,025		2,400			Rt/Lt Edge Lines From 41 South to STH 29 W / 32N
STH 29 East Ramp Edge Lines (Exit 168 C)			1,780		2,385			41 South to 29E / Shawano Ave ( Exit 168 C )
Enter from Shawano Ave ( STH 29 East )			1,600		750			Enter Ramp Rt / Lt Edge Lines From Shawano Ave
South 32/54 Mason St (Exit 168 A)			4,200		3,200			Rt / Lt Edge Lines Connector / Distributor Shawano Ave to Mason
Exit Ramp To Mason St			1,070		725			Exit Ramp Edge Lines
Enter Ramp from Mason St			1,150		650			Ramp Edge Lines from Mason St
(Exit 167) Lombardi Ave CTH VK			1,910		1,235			( Exit 167 ) Lombardi Ave / CTH VK Exit Ramp Edge Lines
Lombardi Ave CTH VK (Dual Turn)						30		Dual Turn 41 SB to Lombardi East Bound
Lombardi West Bound to 41 South Bound						30	25	Stop Bar,dual turn at lights from Lombardi West Bound to 41 South Bound
Enter from Lombardi			1,225		965			Enter Ramp Edge Lines from Lombardi Ave
(Exit 164 B) Ramps STH 172 East / To IH 43 / STH 172 West Airport			4,750		4,000			(Exit 164 B) Rt / Lt Edge lines Exit to East STH 172 / To 43 / Exit West STH 172
(Exit 164 A) Oneida / Waube La			1,120		920		60	( Exit 164 A ) Exit Ramp Edge Lines / Stop Bar
Oneida St Dual Turn						25		Dual Turn from US 41 SB Exit 164 A to Oneida St NB
Oneida St Dual Turn						20		Dual Turn from Oneida St SB to US 41 SB
Enter from Oneida / Waube La			2,260		935			Rt / Lt Ramp Edge Lines
( Exit 163 A ) Main Ave CTH G			1,650		1,635			(Exit 163 A) Exit Ramp Edge Lines / Arrows / Words / Island Gore
Enter from Main Ave CTH G			1,000		865			Rt / Lt Ramp Edge Lines
Connector / Distributor Ashland Ave / CTH G			3,250		4,650			Connector / Distributor Ashland Ave / CTH G
(Exit 161) CTH F / Scheuring Rd			1,800		1,115			Exit Ramp Rt / Lt Edge Lines
Enter from CTH F / Scheuring Rd			1,725		600			Enter Ramp Rt / Lt Edge Line
SUB-TOTALS			217,495	1,450	222,055	760	145	
<b>TOTALS</b>				<b>441,000</b>		<b>760</b>	<b>145</b>	

**PAVEMENT MARKING**

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.3020	646.5020		646.5120	646.6120	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH WHITE LF	ARROWS EPOXY TYPE 2 EACH	ARROWS EPOXY TYPE 3 EACH	WORDS EPOXY (ONLY) EACH	STOP LINE EPOXY 18-INCH LF	
IH 41		3.20									
From: USH 151	6.75										South Of USH 151 Exit @ Pavement Change
To: CTH D ( North of CTH D at pvmt change )	9.95										Pvmt Change 2,300 L.F. North of CTH D ( Military Road )
<b>North Bound</b>			10,000		17,000						Main Line Edge Lines / Lane Lines are Tape
Exit 95 / STH 151 Off Ramp			1,930	65	1,450	115	1	1	1	30	Ramp Edge lines, lane line / Stop bar / Arrows / Only / Island Gore / dual turn
STH 151 On Ramp			3,040		1,375						On Ramp Edge lines
STH 151 Overpass North Bound / South Bound				500		450				135	On US 151 Stop Bars at lights Jct US 41 Ramps / lane lines / island gores
Exit 97 / Hickory st / CTH VVV Off Ramp			1,540	45	1,015	825				15	Exit Gore / Mini dash / Ramp edge lines, Dashes / ramp Island Gore
Hickory st / CTH VVV On Ramp			4,315		570	1,600					Enter Gore / On Ramp Edge lines / Dashes
CTH VVV On Ramp to CTH D Exit Ramp						370					Main Line Mini Dash Exit ramp to On ramp
Exit 98 / Military Rd / CTH D Off Ramp			3,485		770	775				15	Exit Gore / Off Ramp Edge lines / Island Gore / Stop Bar
Military Rd / CTH D On Ramp			2,430		870	1,830					Enter Gore / On Ramp Edge lines
<b>South Bound</b>			10,000		17,000						Main Line Edge Lines
Exit 98 / Military Rd / CTH D Off Ramp			1,435	50	850	760				15	Exit Gore / dash / Ramp Edge lines / Island gore top of ramp / stop bar
Military Rd / CTH D On Ramp			1,585		835	1,400					On Ramp Edge lines / Entry Gore
Military Rd On ramp to CTH VVV Off Ramp						350					mainline mimi dash on Ramp to exit Ramp
Exit 97 / Hickory st / CTH VVV Off Ramp			1,075		1,425	635					Exit Gore / Dash / Off Ramp Edge lines
Hickory st / CTH VVV On Ramp			2,225		800	1,480					On Gore / On Ramp Edge lines
Exit 95 / STH 151 Off Ramp			2,060	25	1,585	325	4	1	3	65	Arrows / Only / Channelizing / Ramp Edge lines / stop bar
STH 151 On Ramp			3,230		1,445						On Ramp Edge lines
<b>SUB-TOTALS</b>			48,350	685	46,990	10,915	5	2	4	275	
<b>TOTALS</b>				<b>96,025</b>		<b>10,915</b>		<b>7</b>	<b>4</b>	<b>275</b>	

**PAVEMENT MARKING**

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH		REMARKS
			SOLID WHITE LF	SOLID YELLOW LF	
USH 41		9.50			
From: USH 141	98.65				Abrams split USH 41 / USH 141
To: Frog Pond Rd	108.20				Oconto
<b>NORTH BOUND</b>					
Edge Lines			47,000	46,650	Edge Lines
<b>SOUTH BOUND</b>					
Edge Lines			47,000	46,650	Edge Lines
<b>SUB-TOTALS</b>			94,000	93,300	
<b>TOTALS</b>				<b>187,300</b>	



**PAVEMENT MARKING**

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.3020	646.5420	646.6120	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	AERIAL ENFORCEMENT BAR EPOXY EACH	STOP LINE EPOXY 18-INCH LF	
USH 41		21.00							
From: Frog Pond Rd	108.20								Oconto
To: Flame Rd	128.95								Marinette @ Flame Rd
<b>NORTH BOUND</b>			98,000		107,250				Main Line Edge Lines
Exit Business 41			3,950	115	4,180				Exit Dashes / Exit Ramp Rt /Lt Edge Lines / Lane Line to Doran St
(Exit 198) Exit Ramp STH 22			2,860	50	1,165				Exit Dashes / Exit Ramp Rt/Lt Edge Lines
Enterance Ramp STH 22			3,850		1,580				Enterance Ramp Rt/Lt Edge Lines
Enterance Ramp Business 41			4,400		2,470				Enterance Ramp Rt/Lt Edge Lines (From Jct CTH S)
Aerial Enforcement Bars							10		5 Sets Aerial Enforcement/Begin South of CTH W
(Exit 212) USH 41 Business / CTH Y			1,520	50	1,100	65		20	Exit Dash / Ramp Rt/Lt Edge Lines / Stop Bar / Island Gore top of Ramp
On CTH Y Overpass			1,000		750	750			Dual Turn Dashes from Exit Ramps/8 Inch Turns 41NB/41SB Rt/Lt Edge Lines
Enterance Business 41 / CTH Y			3,325		1,370				Enterance Ramp Rt/Lt Edge Lines
(Exit 216) USH 41 Business / Peshtigo			1,635	50	1,120	50		15	Exit Dash / Ramp Rt/Lt Edge Lines / Stop Bar / Island Gore Bottom of Ramp
Enterance Peshtigo / Schacht Rd			3,265		1,435				Enterance Ramp Rt/Lt Edge Lines
<b>SOUTH BOUND</b>			98,600		107,350				Main Line Rt/Lt Edge Lines
(Exit 216) Peshtigo / Schacht Rd			2,280	50	1,755	50		15	Exit Dashes / Ramp Rt/Lt Edge Lines / Stop Bar / Island Gore Bottom of Ramp
Enterance From Peshtigo / Schacht Rd			3,400		1,700				Enterance Ramp Rt/Lt Edge Lines
(Exit 212) CTH Y			1,520	50	845	50		20	Exit Dashes / Ramp Rt/Lt Edge Lines / Stop Bar / Island Gore Bottom of Ramp
Enterance CTH Y			3,280		1,365				Enterance Ramp Rt/Lt Edge Lines
Aerial Enforcement Bars							10		5 Sets Aerial Enforcement / Begin North of CTH W
(Exit 200) Business 41 / CTH S			4,575	50	4,130	450			Exit Dashes / Exit Ramp Rt/Lt Edge Lines / 8 Inch Lt Turn to CTH S
(Exit 198) STH 22 / CTH Y / Oconto			2,850	100	2,000				Exit Dashes / Exit Ramp Rt/Lt Edge Lines
Enterance STH 22			3,065		1,065				Enterance Ramp Rt/Lt Edge Lines
Enterance From Business 41			5,100		2,825				Enterance Ramp Rt/Lt Edge Lines (From Doran St)
North Bound / South Bound				500					North Bound / South Bound Lane line on bridge deck overlays various locations
<b>SUB-TOTALS</b>			248,475	1,015	245,455	1,415	20	70	
<b>TOTALS</b>				<b>494,945</b>		<b>1,415</b>	<b>20</b>	<b>70</b>	

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**PAVEMENT MARKING**

LOCATION	LOG MILE	Mile	646.1020 EPOXY 4-INCH			646.3020 EPOXY 8-INCH LF	646.5420 AERIAL ENFORCEMENT BAR EPOXY EACH	646.6120 STOP LINE EPOXY 18-INCH LF	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF				
USH 41		3.00							
From: Flame Rd	128.93							Flame Rd	
To: Cleveland Ave	131.62							Marinette @ Cleveland Ave	
<b>NORTH BOUND</b>			13,675		11,625			Lt/Rt Edge Lines	
Aerial Enforcement						4		2 Sets North of Flame Rd	
Median Crossover					100			Lt Turn	
Median Crossover					100			Lt Turn	
Median Crossover					100			Lt Turn	
Median Crossover					100			Lt Turn	
Median Crossover					100			Lt Turn	
Median Crossover					100			Lt Turn	
Country Meadows Rd					300			Lt/Rt Turn In	
CTH T					300		50	Rt Turn / Stop Bar	
Begin CTH T				530	3,855			Lane Line / Center Line / CTH T to Cleveland Ave	
<b>SOUTH BOUND</b>			13,100		11,725			Lt / Rt Edge Lines	
Cleveland Ave				530	950			Lane Line/Edge Line Cleveland Ave to CTH T	
CTH T					300		50	Lt / Rt Turn Lane Stop Bar	
Median Crossover					100			Lt Turn	
Median Crossover					100			Lt Turn	
Aerial Enforcement						10		North of Flame Rd 5 sets	
Aerial Enforcement						8		South of Flame Rd 4 sets	
<b>SUB-TOTALS</b>			26,775	1,060	28,155	1,700	22	100	
<b>TOTALS</b>				<b>55,990</b>		<b>1,700</b>	<b>22</b>	<b>100</b>	

**PAVEMENT MARKING**

LOCATION	LOG MILE	Mile	646.1020 EPOXY 4-INCH		REMARKS
			SOLID WHITE LF	SOLID YELLOW LF	
USH 141		8.60			
From: Jct USH 41	12.00				Const joint 950' N. of Oak Orchard
To: Lemere Rd	20.50				Lemere Rd
<b>NORTH BOUND</b>			42,800	43,600	Main Line Rt/Lt Edgelines
CTH E J-Turn Edge Lines			70	125	
STH 22 Exit Ramp			1,675	1,250	Ramp Rt/Lt Edgelines
STH 22 On Ramp			2,135	1,030	Ramp Rt/Lt Edgelines
<b>SOUTH BOUND</b>			45,000	43,500	Main Line Rt/Lt Edgelines
STH 22 Exit Ramp			1,675	1,245	Ramp Rt/Lt Edgelines
STH 22 On Ramp			2,300	1,100	Ramp Rt/Lt Edgelines
CTH E J-Turn Edge Line			325		CTH E J-Turn Edge Line in turn out
Exit USH 41 North			1,920	3,460	Exit Gore/Ramp Rt/Lt Edgelines
<b>SUB-TOTALS</b>			97,900	95,310	
<b>TOTALS</b>				<b>193,210</b>	

**PAVEMENT MARKING**

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.5320 RAILROAD CROSSING EPOXY EACH	646.6120 STOP LINE EPOXY 18-INCH LF	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF			
USH 141		16.00						
From: Lemere Rd	20.50							Begin Lemere Rd
To: Beaver	36.90							End @ Divided South of CTH P
<b>North Bound</b>			80,500		83,600			Main Line Edgelines
CTH A			1,850	50	1,410			Exit Mini-dash/Ramp Edgelines
CTH A							40	Stop Bar Top of Exit Ramp NB
CTH A			2,470		1,065			Enter Ramp Edgelines
Rail Crossing						2		RxR (Two Lane)
Bus 141/CTH B/CTH CP			2,000	50	1,465			Exit Mini-dash/Ramp Edgelines
Bus 141/CTH B/CTH CP			2,150		1,000			Enter Ramp Edgelines
Rail Crossing						2		RxR (Two Lane)
Bus 141/STH 64			1,775		800			Exit Mini-dash/Ramp Edgelines
Bus 141/STH 64			2,200		900			Enter Ramp Edgelines
<b>South Bound</b>			80,000		84,200			Main Line Edgelines
STH 64/Bus 141			2,110		875			Exit Ramp Edgelines
STH 64/Bus 141			2,100		865			Enter Ramp Edgelines
Rail Crossing						2		RxR (Two Lane)
Bus 141/CTH B/CTH CP			1,980	50	1,460			Exit Mini-dash/Ramp Edgelines
Bus 141/CTH B/CTH CP			2,425		975			Enter Ramp Edgelines
Rail Crossing						2		RxR
CTH A (Lena)			1,800	50	1,260			Exit Mini-dash/Ramp Edgelines
CTH A							40	Stop Bar Top of Exit Ramp SB
CTH A			2,580		1,145			Ramp Edgelines
<b>SUB-TOTALS</b>			185,940	200	181,020	8	80	
<b>TOTALS</b>				<b>367,160</b>		<b>8</b>	<b>80</b>	

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**PAVEMENT MARKING**

LOCATION	LOG MILE	Mile	646.1020 EPOXY 4-INCH		646.3020	646.5420	REMARKS
			SOLID WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	AERIAL ENFORCEMENT BAR EPOXY EACH	
IH 43		10.50					
From: Wilson Lima Rd	7.50						Wilson Lima Rd overpass 1 mi N of CTH AA
To: STH 42	18.00						Jct STH 42/IH 43
<b>North Bound</b>							
Edge Lines			50,000	53,000			Main Line Rt / Lt Edge lines
CTH V/OK			1,900	950			Mini Dash @ Exit Ramp Edge Lines
CTH V/OK			2,220	1,000			Entrance Ramp Edge Lines
STH 28			1,800	800			Mini Dash @ Exit Ramp Edge Lines
STH 28			1,960	800			Entrance Ramp Edge Lines
STH 23/IH 43 Interchange			28,860	21,100			All Ramps @ Interchange
STH 42			1,530	700			Mini Dash @ Exit Edge Lines
STH 42			2,165	1,060			Entrance Ramp Edge Lines
<b>South Bound</b>							Jct STH 42
Edge Lines			48,000	54,250			Main Line Rt / Lt Edge lines
STH 42			1,795	1,225	740		Exit Gore / Ramp Edge Lines
STH 42			1,745	580			Entrance Ramp Edge Lines
STH 28			1,425	580			Mini Dash @ Exit Ramp Edge Lines
STH 28			2,000	740			Entrance Ramp Edge Lines
CTH V/OK			1,700	800			Mini Dash @ Exit Edge Lines
CTH V/OK			2,060	950			Enter Edge Lines
Aerial Enforcement Bars						10	5 Sets N of CTH V/OK
<b>SUB-TOTALS</b>			149,160	138,535	740	10	
<b>TOTALS</b>			<b>287,695</b>		<b>740</b>	<b>10</b>	

**PAVEMENT MARKING SUMMARY**

LOCATION	LOG MILE	MILE	646.1020 SOLID YELLOW LF	REMARKS
STH 28	0.25	0.25		
CTH EE Round A bout				No Passing Zones Approaching CTH EE / East and West Bound
<b>EAST BOUND</b>				
Extend No Passing Zone			250	Extend East Bound No Passing Zone East of CTH EE Round A Bout
<b>WEST BOUND</b>				
Extend No Passing Zone			250	Extend West Bound No Passing Zone East of CTH EE
<b>TOTAL</b>			<b>500</b>	

**PAVEMENT MARKING**

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.3020	646.5020 ARROWS			646.5120	646.6120	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	TYPE 5 EACH	EPOXY TYPE 3 EACH	TYPE 2 EACH	WORDS EPOXY (ONLY) EACH	STOP LINE EPOXY 18-INCH LF	
IH 43		11.00										
From: STH 172 WB Exit Ramp	69.00											(Exit 180) STH 172 West Bound
To: I41	80.00											Jct I41 Ramps
<b>NORTH BOUND</b>			43,000	8,685	49,200							( Main Line ) Rt / Lt Edge Lines / Lane Line
(Exit 181) STH 172 to CTH JJ						1,150	2					Mini dash from STH 172 to CTH JJ / Entry Gore from STH 172 / Push over arrows
(Exit 181) CTH JJ / Manitowoc Rd			1,910	35	1,440	65						Mini dash Exit to CTH JJ / Ramp Edge Lines / Island Gore top of ramp
On Ramp from CTH JJ / Mini dash			2,900		1,760	1,100						Entry Gore / Ramp Rt / Lt Edge lines from CTH JJ
On CTH JJ East Bound Overpass Btwn Ramps			1,900		1,830	300						CTH JJ East Bound to IH 43 SB, IH 43 NB / Edge Lines
On CTH JJ West Bound Overpass Btwn Ramps			1,300		1,820	350		2	2			CTH JJ West Bound Overpass / Turns IH 43 NB, IH 43 SB / Edge Line
(Exit 183) E Mason St / CTH V				45		650						Mini dash / Exit 181 Gore, Mason St / Ramp Rt , Lt Edge Lines
(Exit 183) E Mason St / CTH V						2,000		2	4	2		Exit 181 Ramp Arrows / 8 Inch Lane Divide / dual turn dash to West Bound Mason St
On Ramp from East Mason St			2,260		865	1,425						Entry Gore / Ramp Rt , Lt Edge Lines
(Exit 185) Sturgeon Bay Algoma			2,350	125	1,550	350						Mini dash / Exit 185 / Gore at split / Rt , Lt Edge Lines
(Exit 185) Exit 54W / 57S University Ave			1,470		2,850							Exit 54W / 57S University Ave Rt , Lt Edge Lines
(Exit 185) Exit 54E / 57N Sturgeon Bay			2,200		750							Exit 54E / 57N Sturgeon Bay Rt , Lt Edge Lines
(Exit 187) Webster Ave / East Shore Dr			2,100		1,240	300				30		Ramp Rt, Lt Edge Lines / Stop lines / 8 Inch Turn / Dashes
Enter from Webster Ave / East Shore Dr			3,040		1,030							Ramp Rt / Lt Edge Lines
(Exit 189) Atkinson Dr / Velp Ave			1,840	75	1,035	100						Ramp Rt / Lt Edge Lines / 8 Inch Island Gore top of ramp
On Ramp from Atkinson Dr / Velp Ave			2,630		1,385							Ramp Rt / Lt Edge Lines
(Exit 192 A) IH 43 NB to I41 NB			4,000		4,000							Ramp Rt / Lt Edge Lines
(Exit 192 B) IH 43 NB to I41 SB			5,750		4,860							Ramp Rt / Lt Edge Lines
<b>SOUTH BOUND</b>			43,000	8,000	49,200							(Main Line) Rt / Lt Edge Lines / Lane Line
(Exit 189) Atkinson Dr / Velp Ave			2,020		1,365	120						Ramp Rt / Lt Edge Lines / Top of Ramp Island Gore
On Ramp from Atkinson Dr			1,800		700							Ramp Rt / Lt Edge Lines
(Exit 187) Webster Ave / East Shore Dr			1,430		935	100						Ramp Rt / Lt Edge Lines / Bottom of Ramp Island Gore
Enter from Webster Ave / East Shore Dr			1,935		845							Ramp Rt / Lt Edge Lines
(Exit 185) Sturgeon Bay Algoma / University Ave			3,710	75	4,255	720						Mini dash (Exit 185) / Exit Gore / Rt / Lt Ramp Edge Lines / Gore @ Ramp split
On Ramp Gore from 54W / 57S						1,450						On Ramp Entry Gore from 54W / 57S
On Ramp Gore from 54E / 57N						1,450						On Ramp Entry Gore from 54E / 57N
(Exit 183) E Mason St / CTH V			1,550	50	1,165	635						Mini dash (Exit 183) Exit Gore / Ramp Rt / Lt Edge Lines
(Exit 183) E Mason St / CTH V						900		2	4	2	30	Bottom of Ramp 8 inch Turn / Island Gore / Arrows / Words / Dual Turn to EB Mason
On Ramp from E Mason St			2,260		900	1,460						Enter Gore / Ramp Rt / Lt Edge Lines
(Exit 181) CTH JJ / Manitowoc Rd			2,300	45	1,825	650						Mini dash Exit to CTH JJ / Ramp Edge Lines / Island Gore top of ramp
On Ramp from CTH JJ			2,000		1,200	1,550						Enter Gore / Ramp Rt / Lt Edge Lines
End Jct STH 172 EB On Ramp						1,235						End STH 172 East Bound On Ramp
<b>SUB-TOTALS</b>			140,655	17,135	138,005	18,060	2	4	10	6	60	
<b>TOTALS</b>				<b>295,795</b>		<b>18,060</b>		<b>16</b>		<b>6</b>	<b>60</b>	

**PAVEMENT MARKING**

STH 23	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.3020 EPOXY 8-INCH	646.5020 ARROWS		646.6120 STOP LINE EPOXY 18-INCH LF	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF		EPOXY Type 2 Each	EPOXY Type 3 Each		
From: CTH P	45.95	14.00								Sheboygan County
To: Taylor Dr On Ramp	59.95									(CTH TA) Taylor Dr East On Ramps @ Pvmnt Change
<b>EAST BOUND</b>			63,475		74,185					Main Line R/Lt Edge Lines
CTH P						575				Lt/Rt Turns
Inez Court						50				Rt Turn
Branch Rd						50				Rt Turn
CTH C Exit Ramp			1,825	40	1,385					Exit Ramp Dash/Rt/Lt Ramp Edge Lines
CTH C On Ramp			3,030		1,165	50				On Ramp R/Lt Edge Lines/8 Inch On Ramp Gore Extension
STH 67 Exit Ramp			2,100	40	1,650					Exit Ramp Dash/Rt/Lt Edge Lines
STH 67 On Ramp			2,350		1,330					On Ramp R/Lt Edge Lines
CTH O/CTH OJ				35		40				Mini Dashes Rt/Lt Turns
Pleasant View Rd				35		40				Mini Dashes Rt/Lt Turns
STH 57 Exit Ramp			1,975	115	1,135	230				Exit Dash/Rt/Lt Ramp Edge Lines/Bottom of Ramp Gore/Turn Lane
STH 57 On Ramp			2,330		1,025					On Ramp R/Lt Edge Lines
Willow Rd						120				Lt Turn
J Turn From STH 23 West/CTH M South				35						Rt Edge Line Extension Dashes @ J Turn Lane
J Turn to STH 23 West/CTH M North				35						Lt Edge Line Extension Dashes @ J Turn Lane
Hillside Rd						130				Lt Turn
Bridgewood Lane						150				Lt Turn
Sunset Road						130				Lt Turn
CTH TT						330				Lt/Rt Turn
Meadowlark Rd						130				Lt Turn
STH 32 Exit Ramp			1,620	35	1,145					Exit Ramp Dash/Rt/Lt Ramp Edge Lines
STH 32 On Ramp			2,360		1,060	1,250				On Ramp R/Lt Edge Lines/Entry Gore
CTH Y Exit Ramp			1,675	100	975	75				Exit Ramp Dash/Rt/Lt Ramp Edge Lines/Top of Ramp Island Gore
CTH Y On Ramp			1,450		925					On Ramp R/Lt Edge Lines
Taylor Dr Exit Ramp			1,000		960	1,045	2	2	45	Exit Gore/Rt/Lt Ramp Edge Lines/Arrows/Turn Lanes/Island Gore/Stop
Taylor Dr Exit Ramp Dual Turn Skips						45				Taylor Dr Exit Ramp Dual Turn Skips to Taylor Dr
Taylor Dr On Ramp			1,300		450	875				On Ramp R/Lt Edge Lines/Enter Gore
<b>WEST BOUND</b>			62,600		74,185					Main Line R/Lt Edge Lines
Taylor Dr Exit Ramp			1,210		570		2	2		Ramp R/Lt Edge Lines/Arrows/Turn Lanes/Island Gore
On Taylor Dr (Between Ramps)				165		275				Between Ramps On Taylor Dr/ Dual Turn Skips/Turn Lane/Lane Line
Taylor Dr On Ramp			2,250		825					On Ramp R/Lt Edge Lines
CTH Y On Ramp			1,725		1,300					On Ramp R/Lt Edge Lines
CTH Y Exit Ramp			1,800		1,460	350				Exit Ramp R/Lt Edge Line/ Top of Ramp Turn lane/gore
On CTH Y Overpass (Between Ramps)				600		220				CTH Y Overpass/Turn lanes/Lane Lines
STH 32 Exit Ramp			1,475		970	145				Exit Ramp R/Lt Edge Lines/Bottom of Ramp Island Gore
STH 32 On Ramp			2,435		1,200					On Ramp R/Lt Edge Lines
Meadowlark Rd						150				Lt Turn lane
CTH Tt						375				Lt/Rt Turn lanes
Sunset Rd						150				Lt Turn lane
Bridgewood						150				Lt Turn lane
Hillside Rd						150				Lt Turn lane
J Turn Lane				75						Rt Edge Line Extension Dashes @ J Turn Lane
J Turn Lane/STH 23 East/CTH M South						35				Lt Gore extension @ J Turn Lane to STH 23 East/CTH M South
Willow Rd						150				Lt Turn lane
STH 57 Exit Ramp			1,835	85	1,250	260			15	Exit Dash/Rt/Lt Ramp Edge Lines/Ramp Island Gore/Turn/Stop Bar
STH 57 On Ramp			2,075		1,035					On Ramp R/Lt Edge Lines
Pleasant View Rd						35				Mini Dashes Lt Gore Extension
CTH OJ						65				Rt/Lt Turn Lane Edge Line Extension
STH 67 Exit Ramp			1,620	45	1,170	100				Exit Ramp Dash/Rt/Lt Ramp Edge Lines/Bottom of Ramp Gore
STH 67 On Ramp			2,590		1,280					On Ramp R/Lt Edge Lines
CTH C Exit Ramp			1,545	45	1,025					Exit Ramp Dash/ Rt/Lt Ramp Edge Lines
CTH C On Ramp			2,775		1,175					On Ramp R/Lt Edge Lines
Branch Rd/J Turn Median						760				Lt Turn Gore
Inez Court						225				Lt Turn Lane
CTH P						950				Lt/Rt Turns
<b>SUB-TOTALS</b>			172,425	1,485	174,835	9,860	4	4	60	
<b>TOTALS</b>				<b>348,745</b>		<b>9,860</b>	<b>8</b>	<b>4</b>	<b>60</b>	

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**PAVEMENT MARKING**

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH		646.3020	646.6120	REMARKS
			DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	STOP LINE EPOXY 18-INCH LF	
STH 57		5					
From: Depere	24.75						Pvmt Change 750 I.f. N. of Randall Ave
To: Green Bay	28.00						Pvmt Change 270 I.f. S. of Grignon Ave
<b>NORTH BOUND</b>			4,250	31,000			Lane Line/Center Line
STH 172 EB					125		Rt Turn
STH 172 WB					150		Rt Turn
<b>SOUTH BOUND</b>			4,250				Lane Line
Derby Lane					200		Lt Turn
W St Joseph St					130		Lt Turn
CTH O					150		Lt Turn
Jct STH 172 WB					130	35	Lt Turn/Stop Bar
Jct STH 172 EB					175		Lt Turn
Reformatory Dr					100		Lt Turn
<b>SUB-TOTAL</b>			8,500	31,000	1,160	35	
<b>TOTAL</b>			<b>39,500</b>		<b>1,160</b>	<b>35</b>	

**PAVEMENT MARKING SUMMARY**

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH		646.3020	REMARKS
			SOLID WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	
STH 57		9.00				
From: STH 23	15.00					STH 23 West Ramps / End divided
To: STH 32	23.80					Jct STH 32 / STH 57
<b>North Bound</b>			47,500	29,300		Edge Line / Center Line
CTH J					200	Rt Turn
CTH A					200	Rt Turn
<b>South Bound</b>			48,325			Edge Line
CTH J					200	Rt Turn
STH 23 WB					200	Rt Turn
STH 23 EB					200	Rt Turn
<b>SUBTOTAL</b>			95,825	29,300	1,000	
<b>TOTAL</b>			<b>125,125</b>		<b>1,000</b>	



**PAVEMENT MARKING**

STH 125	LOG MILE	Mile	646.1020 EPOXY 4-INCH			646.3020	646.5020	646.5120	646.6120	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	ARROWS EPOXY TYPE 2 EACH	WORDS EPOXY ONLY EACH	STOP LINE EPOXY 18-INCH LF	
From: IH 41	0.00	1.75								West Ramps I 41
To: Linwood Ave	1.75									Linwood Ave
<b>East Bound</b>			8,000	2,300	8,200					Edge Lines/Lane Line
IH 41						450				Lt Turn I 41 North Bound
Kools St / North Westhill Blvd						600	3	2		Rt/Lt Turn Lane/Dash
Frontage Rd						100				Rt Turn
North / South Bluemound Dr						440				Rt Turn/Lt Turn
Frontage Rd						100				Rt Turn
North / South Lilas Dr						345				Rt Turn/Lt Turn
Frontage Rd						100				Rt Turn
North / South Lyndale Dr						510				Rt Turn/Lt Turn
North Perkins St / Frontage Rd						360				Rt Turn/Lt Turn
Linwood Ave						125			40	Lt Turn/Stop Bar @ Signal
<b>West Bound</b>			8,000	2,300	8,200					Edge Lines/Lane Line
North Perkins St / Frontage Rd						360				Rt Turn/Lt Turn
North / South Lyndale Dr						610				Rt Turn/Lt Turn
North / South Lilas Dr						400				Rt/Lt Turn
Frontage Rd						100				Rt Turn
North / South Bluemound Dr						620				Rt/Lt Turn
Frontage Rd						100				Rt Turn
Kools St / North Westhill Blvd						385				Rt/Lt Turn
IH 41						680			15	Lt Turn/Stop Bar @ Signal
IH 41						325				Rt Turn/On Ramp Island Gore
IH 41 South Bound						485				Lt Turn Lane I 41 South Bound
SUB-TOTALS			16,000	4,600	16,400	7,195	3	2	55	
<b>TOTALS</b>				<b>37,000</b>		<b>7,195</b>	<b>3</b>	<b>2</b>	<b>55</b>	

**PAVEMENT MARKING**

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.3020	646.5420	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	AERIAL ENFORCEMENT BAR EPOXY EACH	
USH 45		12.00						
From: West Packer Ave	46.00							West Packer Ave (Oshkosh)
To: USH 10	58.45							Winchester
<b>North Bound</b>			57,000		67,000			Rt / Lt Edge Lines
West Packer Ave to Fernau Ave				360	5,075			Center Line / Lane Line
Exit Ryf Rd			1,325	60	770	125		Exit Mini dash / Ramp Edge Lines / top of ramp
Enter Ryf Rd			2,020		715			Ramp Edge Lines
Exit STH 116			1,715	175	565	1,060		Exit Mini dash / Exit Gore / Ramp Edge Lines
Enter STH 116			2,180		815	1,275		Entry gore / Ramp Edge Lines
Exit CTH II			1,320	60	920			Mini dash / Ramp Edge Lines
Enter CTH II			2,000		950		4	(2 Sets) Aerial Enforcement Bars / Ramp Edge Lines
<b>South Bound</b>			55,300		62,625			Rt / Lt Edge Lines
Exit CTH II			1,275	60	850	525		Mini dash / Exit Gore / Ramp Edge Lines
Enter CTH II			2,450		1,150	1,270	4	Entry Gore / (2 Sets) Aerial Enforcement Bars / Ramp Edge Lines
Exit STH 116			1,270	50	700	635		Mini dash / Exit Gore / Ramp Edge Lines
Enter STH 116			2,500		1,000	1,060		Entry gore / Ramp Edge Lines
Exit Ryf Rd			1,425	50	800			Mini dash / Ramp Edge Lines
Enter Ryf Rd			2,165		850			Ramp Edge Lines
Fernau Ave to West Packer Ave				370				Lane Line
SUBTOTALS			133,945	1,185	144,785	5,950	8	
<b>TOTALS</b>				<b>279,915</b>		<b>5,950</b>	<b>8</b>	

**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	
USH 151		11.00					
From: Calumet/FDL Co Line	33.65						Calumet South County Line
To: Chilton	45.00						Quinney Rd @ Pavement Change
<b>North Bound</b>			59,500		75,000		Edge Line/Center Line
Jefferson Rd						100	Right Turn
CTH C						100	Right Turn
E Harlow Rd				20			Mini Dash Edge Line
<b>South Bound</b>			59,300				Edge Line
CTH C						100	Right Turn
Wayside				10		125	Stop Bar/Gore/Dash
Jct STH 55						745	Stop Bars/Gores @ North/South Jct
Jefferson Rd						100	Right Turn
Harbor Rd						100	Right Turn
SUB-TOTALS			118,800	30	75,000	1,370	
<b>TOTALS</b>				<b>193,830</b>		<b>1,370</b>	

3

3

**PAVEMENT MARKING**

LOCATION	LOG MILE	Mile	646.3020 EPOXY 8-INCH WHITE LF	646.5020 ARROWS EPOXY			646.5120 WORDS EPOXY YIELD EACH	646.6320 DOTTED EXTENSION EPOXY 18-INCH LF	REMARKS
				TYPE 1 EACH	TYPE 3 EACH	TYPE 3R EACH			
STH 42 / STH 57	0.25	0.25							
CTH TT Round A Bout									CTH TT Round A Bout
Inside round a bout			210	2	4				lane line / Arrows
North Bound Approach			225		1	1	2	13	
South Bound Approach			225		1	1	2	13	
CTH TT East Bound Approach			60					7	island gore
CTH TT West Bound Approach			60					6	island gore
North Bound Approach			60						island gore
South Bound Approach			60						island gore
<b>SUB TOTAL</b>			<b>900</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>4</b>	<b>39</b>	
<b>TOTAL</b>			<b>900</b>		<b>10</b>		<b>4</b>	<b>39</b>	

**PAVEMENT MARKING**

LOCATION	LOG MILE	Mile	646.3020 EPOXY 8-INCH WHITE LF	646.5020 ARROWS EPOXY				646.5120 WORDS EPOXY YIELD EACH	646.6320 DOTTED EXTENSION EPOXY 18-INCH LF	REMARKS
				TYPE 1 EACH	TYPE 2 EACH	TYPE 3 EACH	TYPE 3R EACH			
STH 42 / 57 Business RAB	0.25	0.25								STH 42/57 Round A Bout
Inside round a bout			210	2	1	2				Arrows / Lane line inside round a bout
North Bound Approach			225	1			1	4	11	Lane divide on approach
South Bound Approach			150	1		1			14	Lane divide on approach
North Bound Approach			60							Island Gore
South Bound Approach			60							Island Gore
STH 42 Business approach			60							Island Gore
<b>SUB TOTAL</b>			<b>765</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>25</b>	
<b>TOTAL</b>			<b>765</b>			<b>9</b>		<b>4</b>	<b>25</b>	

**PAVEMENT MARKING**

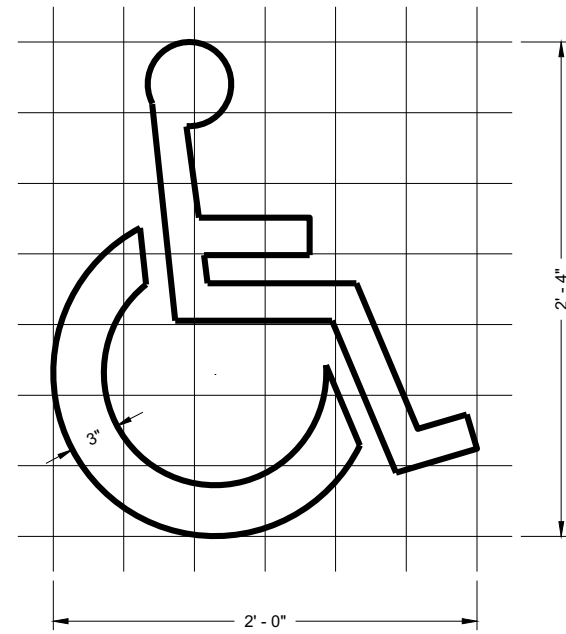
LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH DASHED WHITE LF	646.3020 EPOXY 8-INCH		646.5020 ARROWS EPOXY					646.5120 WORDS EPOXY		646.6320 DOTTED EXTENSION EPOXY 18-INCH LF	REMARKS	
				SOLID WHITE LF	DASHED WHITE LF	TYPE 1 EACH	TYPE 2 EACH	TYPE 2R EACH	TYPE 3 EACH	TYPE 3R EACH	YIELD EACH	ONLY EACH			
IH 41 / Mason St	0.25	0.25													IH 41 NB / SB Exit Ramps STH 54 168 A
IH 41 North Bound Exit RAB (Mason St.)				160	375	4	1		2		7		88		Inside RAB Eastside of IH 41
IH 41 EB Overpass / Mason St			65	80		2				2	2				EB Overpass IH 41
IH 41 WB Overpass / Mason St			75	180		4		2			3	2			WB Overpass IH 41
IH 41 South Bound Exit RAB (Mason St.)				190	415	4	2		1		4		64		Inside RAB Westside of IH 41
<b>SUB TOTAL</b>			<b>140</b>	<b>610</b>	<b>790</b>	<b>14</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>16</b>	<b>2</b>	<b>152</b>		
<b>TOTAL</b>			<b>140</b>	<b>1,400</b>				<b>24</b>			<b>18</b>		<b>152</b>		

## Standard Detail Drawing List

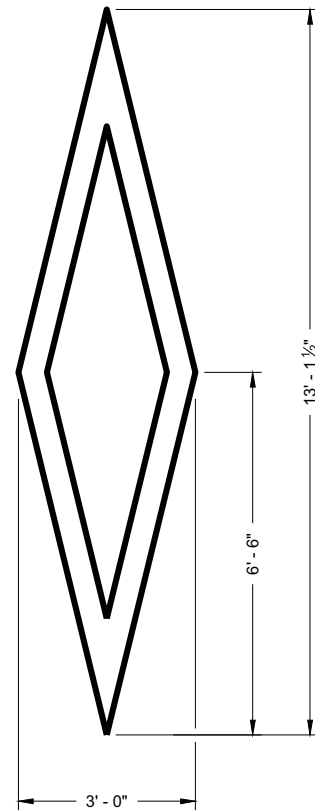
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15D	ROUNDBABOUT ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C09-12A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C14-04	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C18-05A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
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
15C31-04A	PAVEMENT MARKING EXIT RAMP AND PARALLEL EXIT RAMP
15C31-04B	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-04C	PAVEMENT MARKING ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP
15C31-04D	PAVEMENT MARKING SERVICE INTERCHANGE LANE DROP AND LANE REDUCTION MARKING
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)

**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.



**HANDICAP SYMBOL**



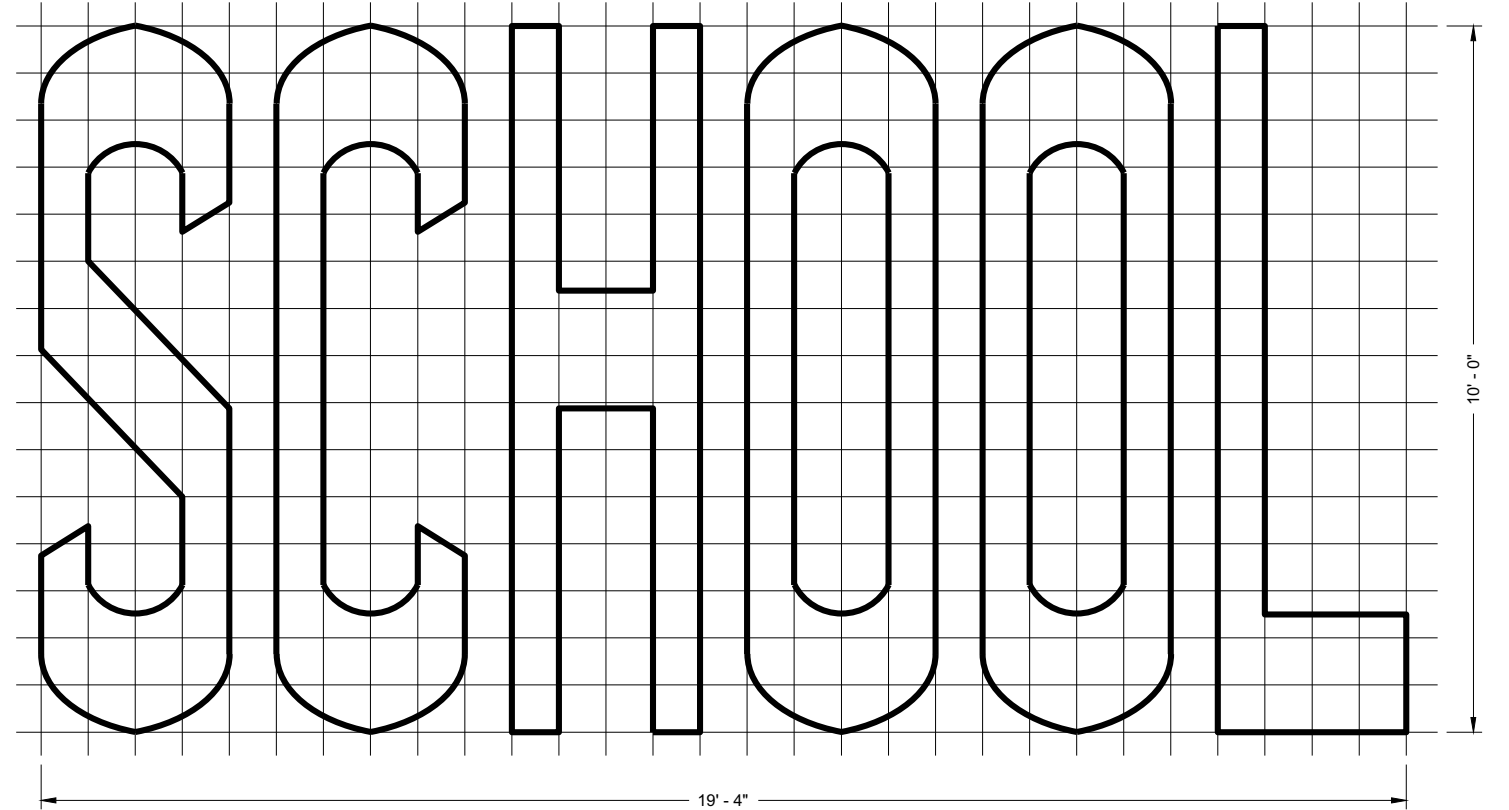
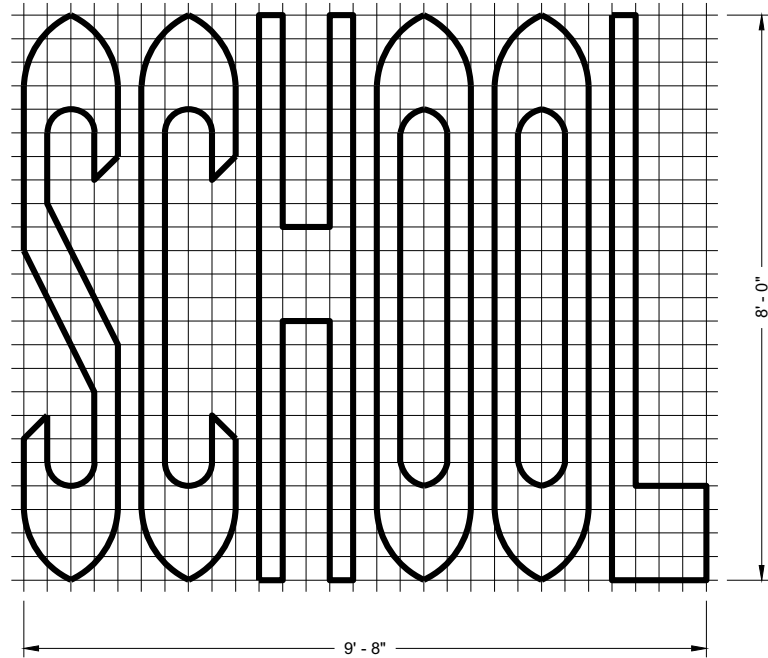
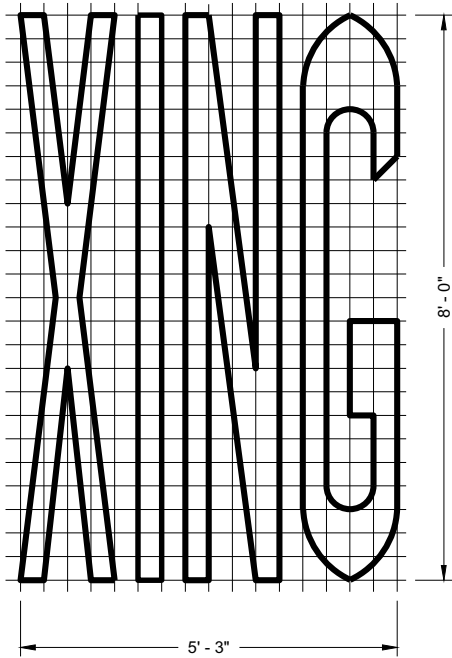
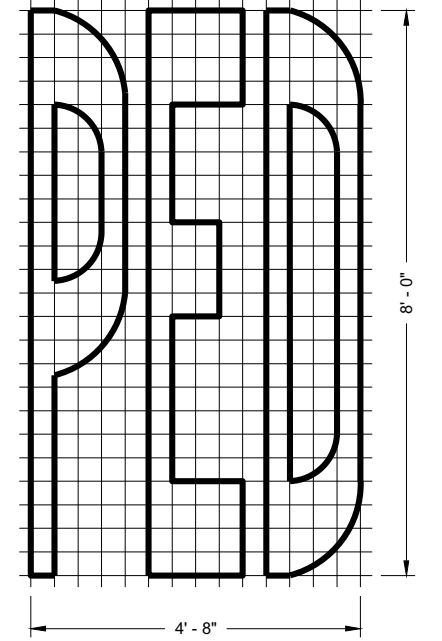
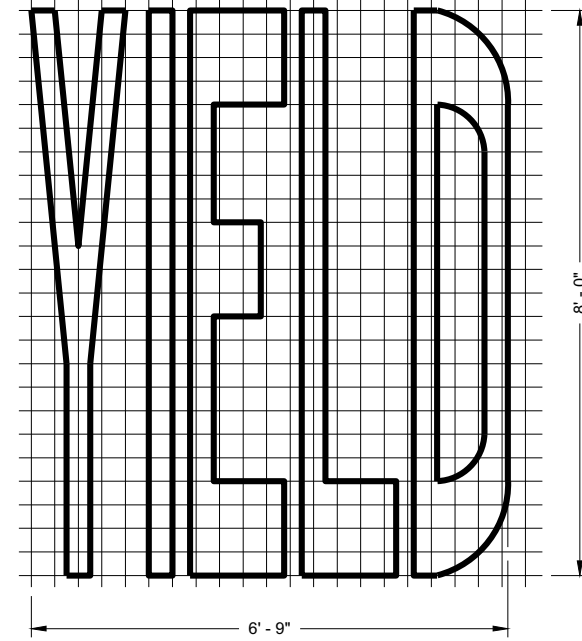
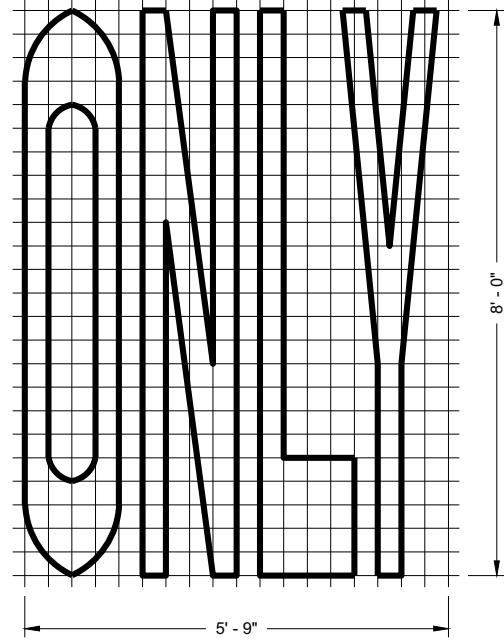
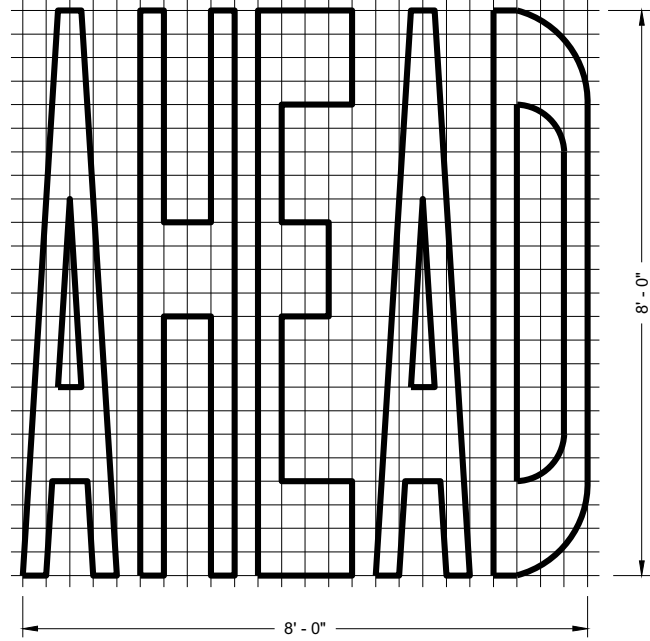
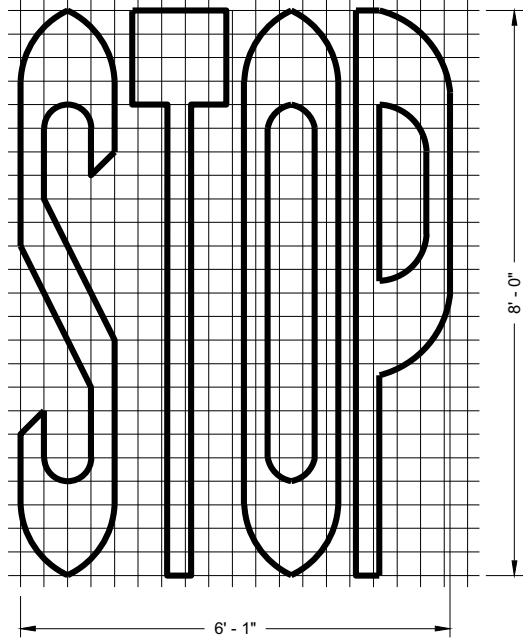
**PREFERENTIAL  
LANE SYMBOL**

**PAVEMENT MARKING SYMBOLS**

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DEPARTMENT OF TRANSPORTATION

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ENGINEER

FHWA



SINGLE LANE

TWO - LANE

**GENERAL NOTES**

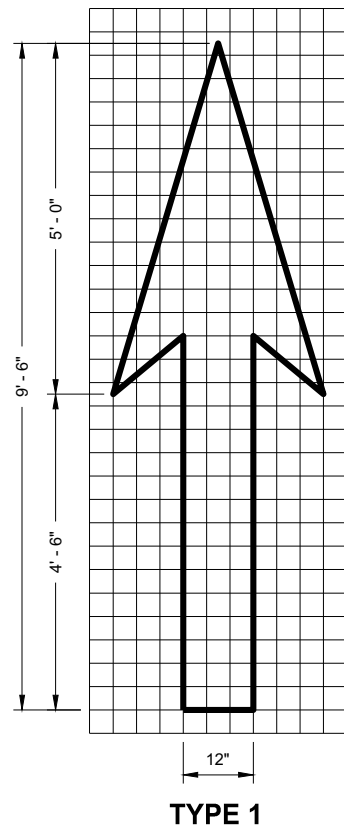
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

**PAVEMENT MARKING WORDS**

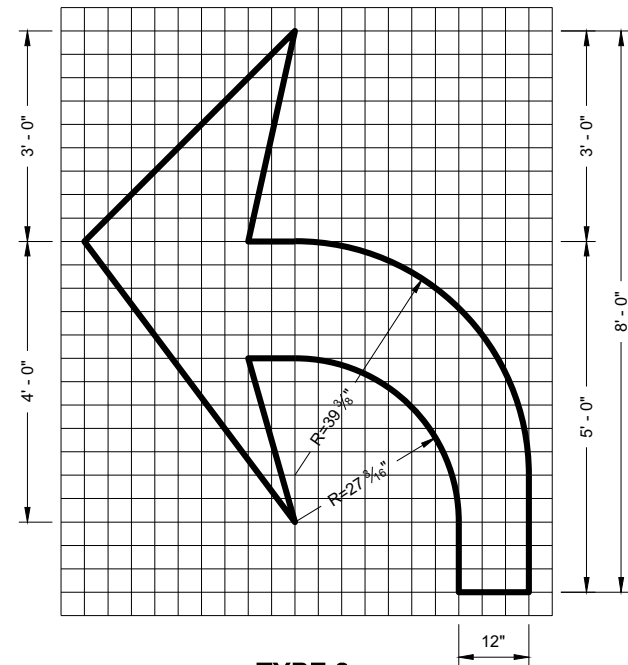
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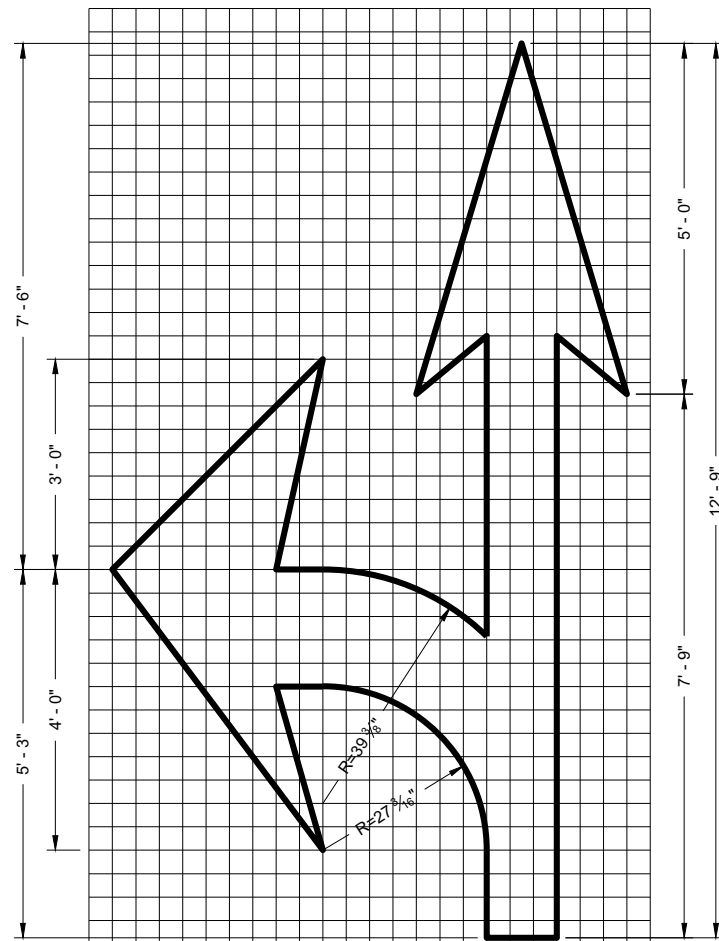
FHWA



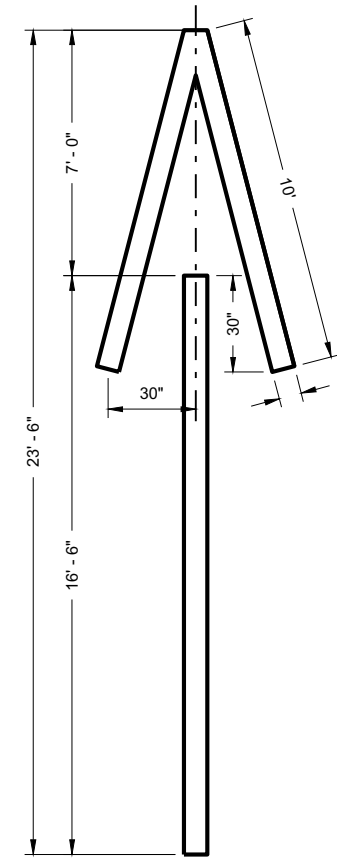
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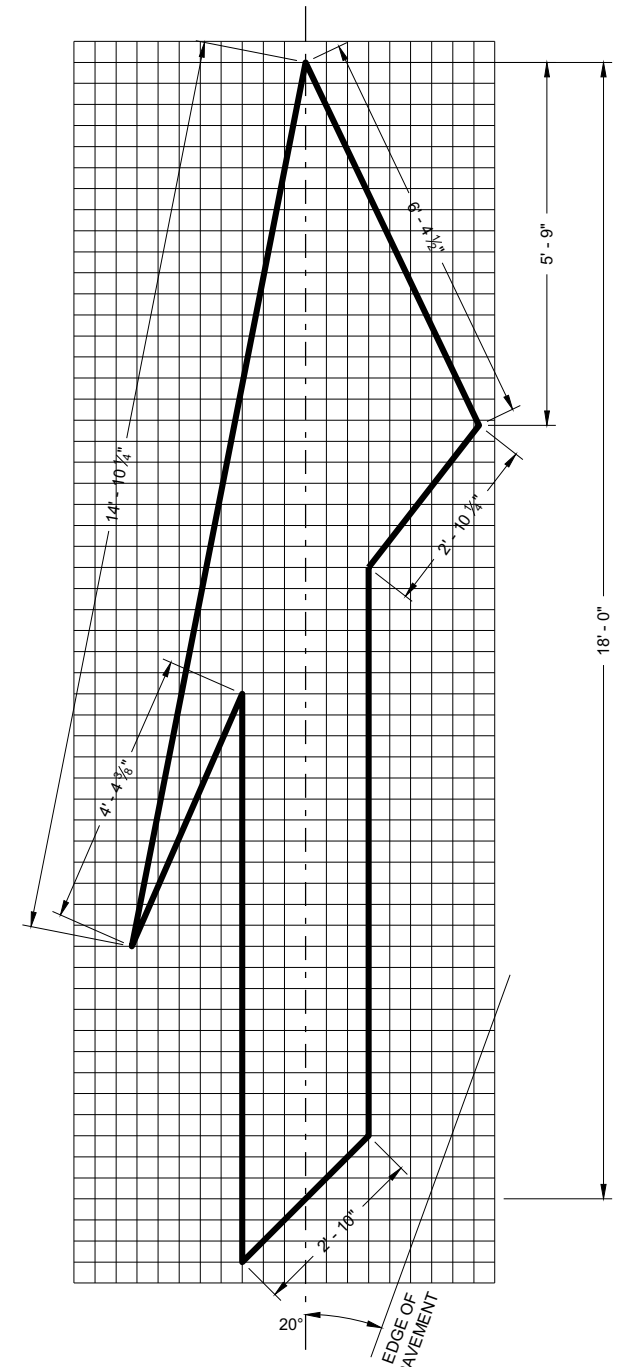
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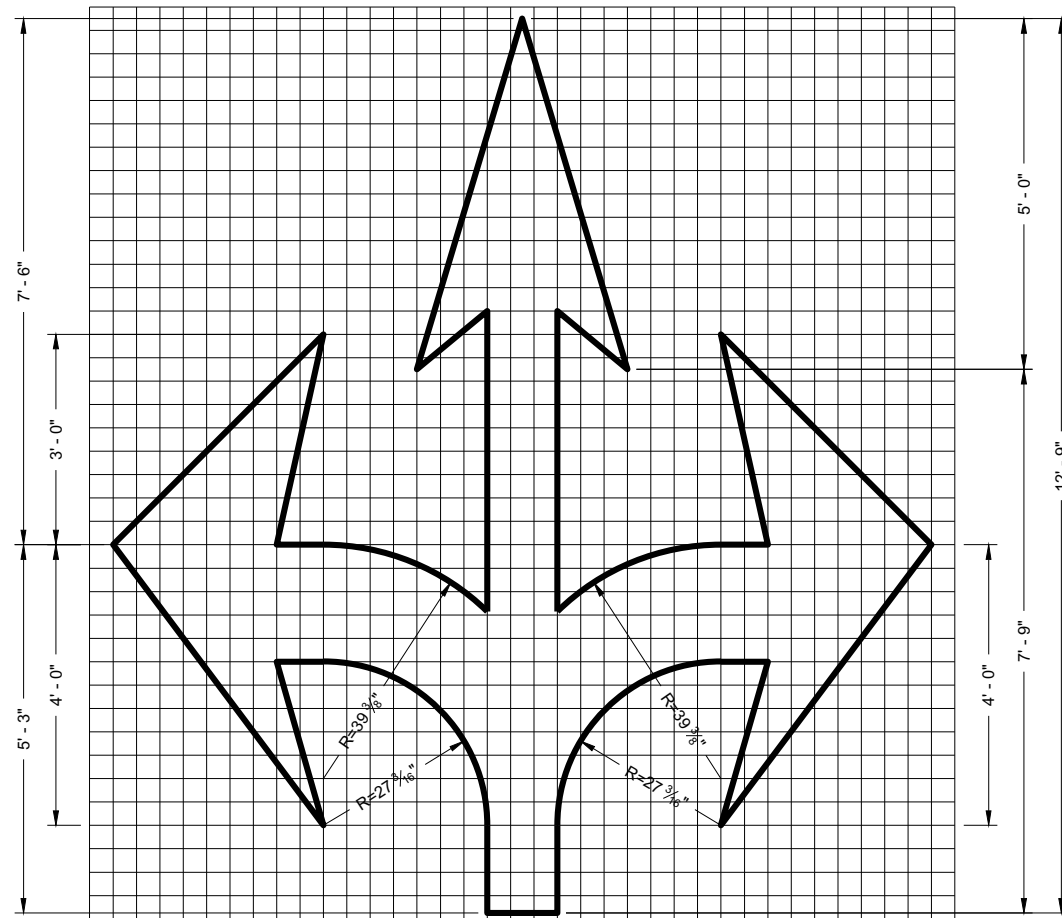
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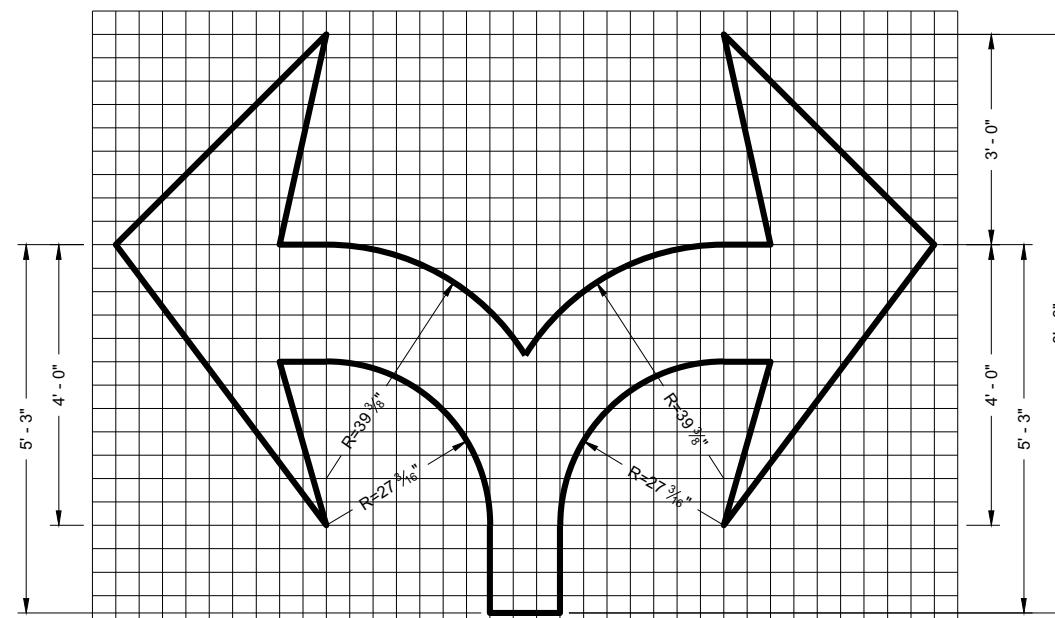
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

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

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November 2019

DATE

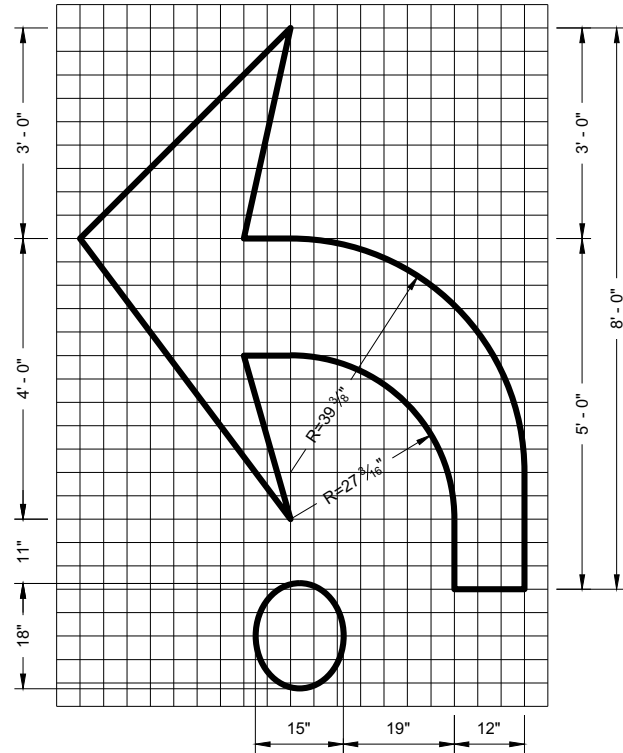
FHWA

/s/ Matthew Rauch  
STATE SIGNING AND MARKING  
ENGINEER

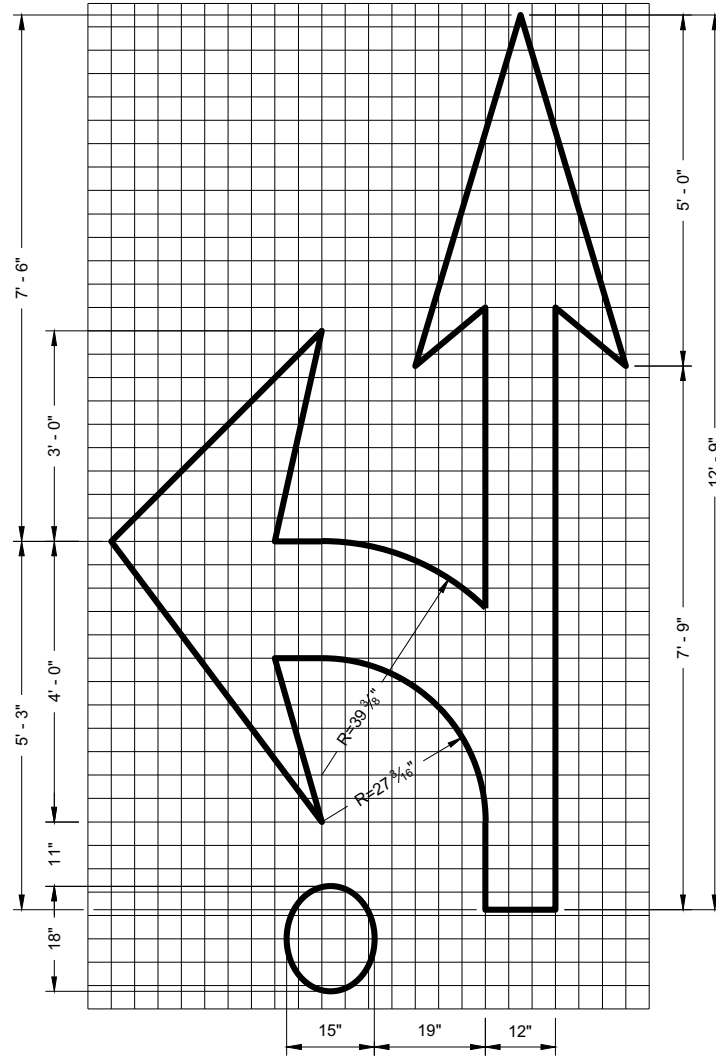


**GENERAL NOTES**

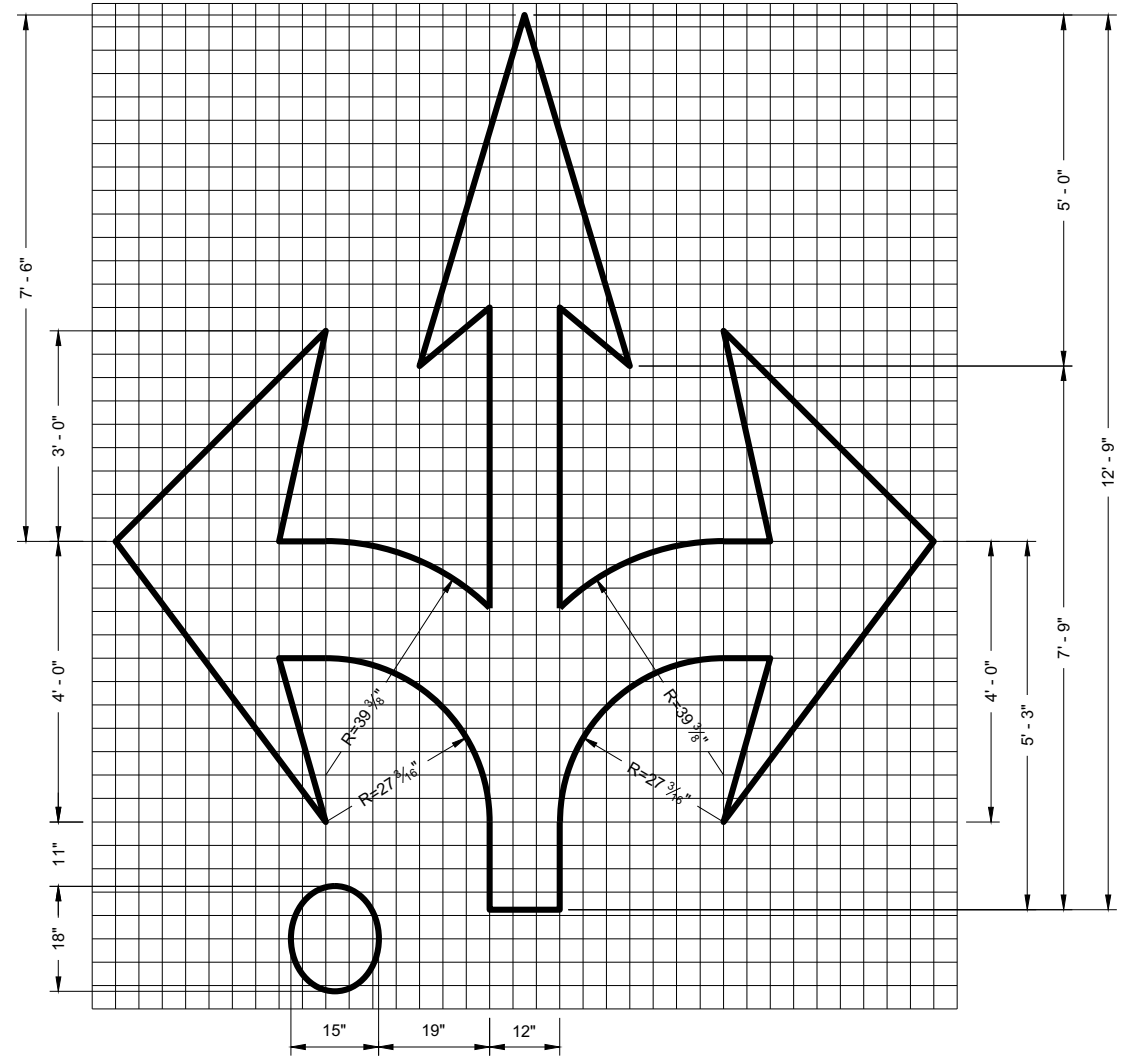
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



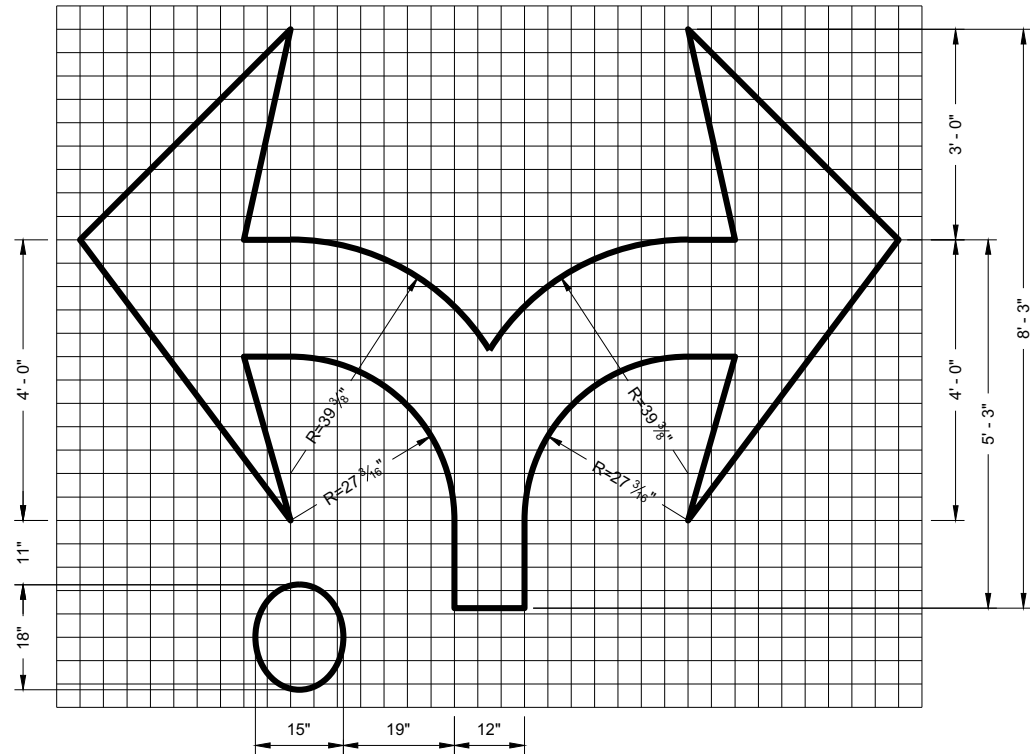
**TYPE 2R**



**TYPE 3R**



**TYPE 6R**



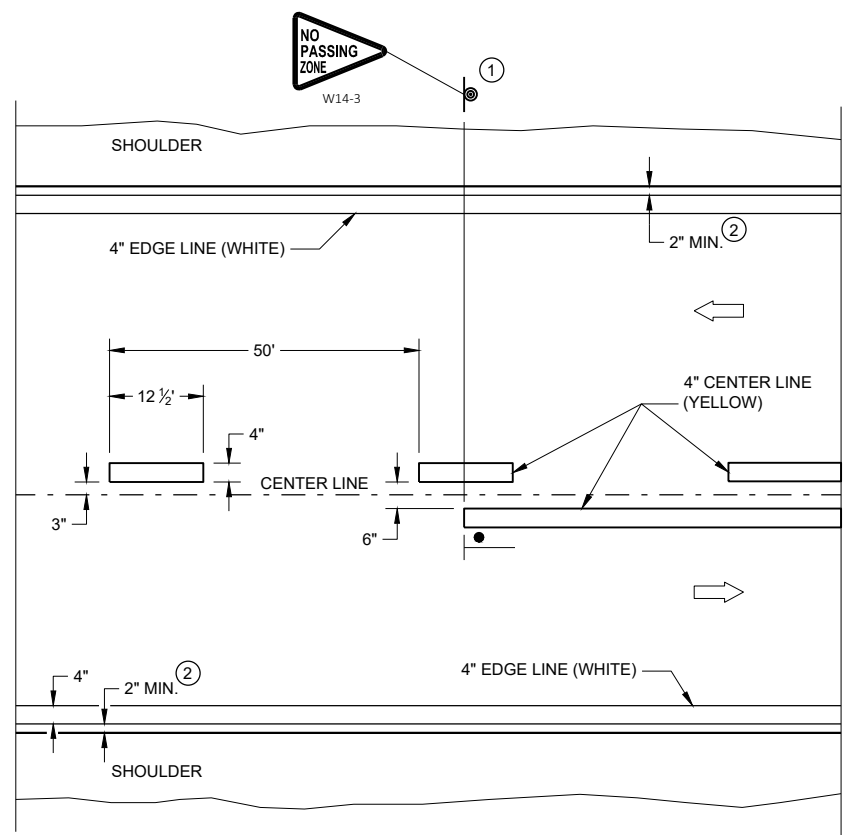
**TYPE 7R**

**ROUNDBOUT  
MARKING ARROWS**

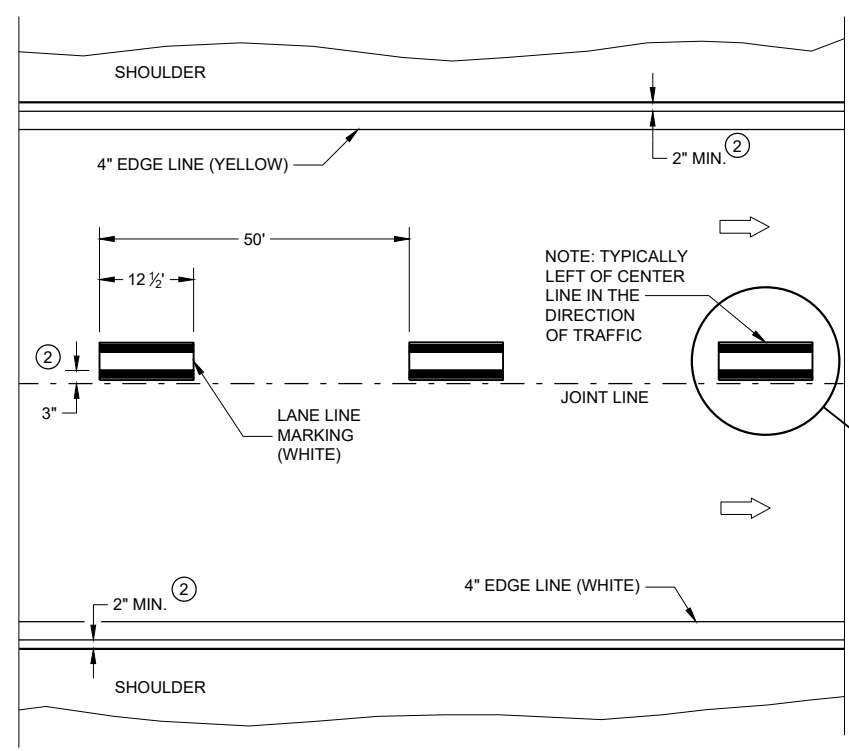
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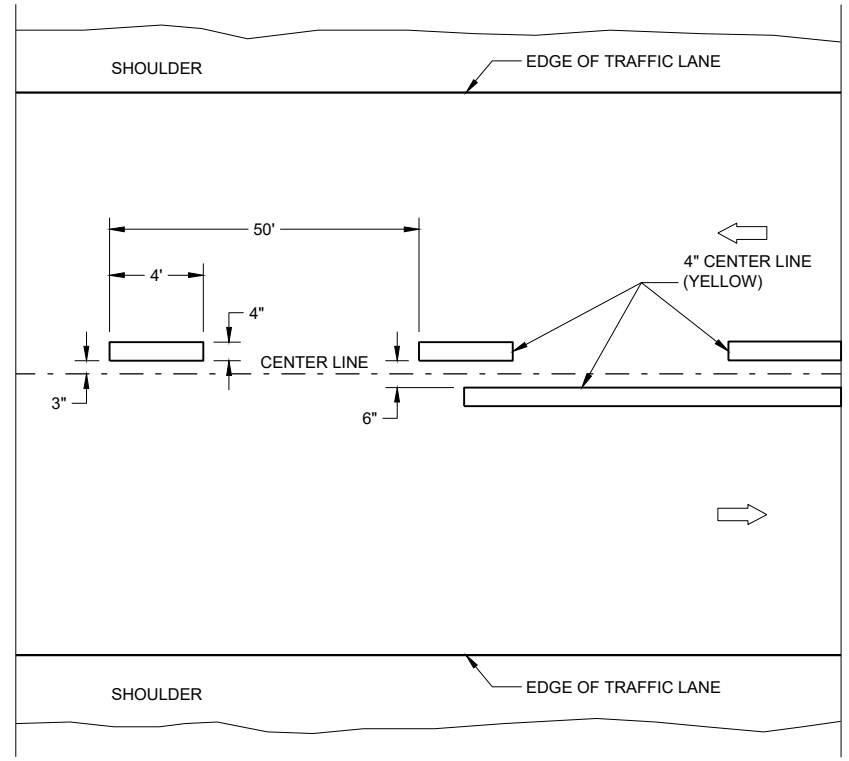


TWO WAY TRAFFIC

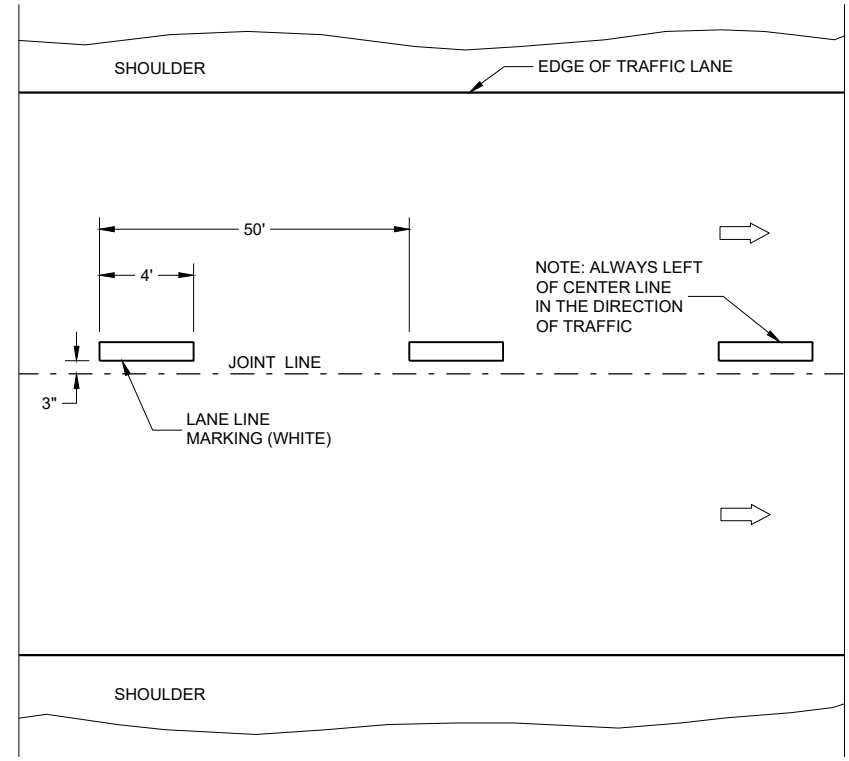


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

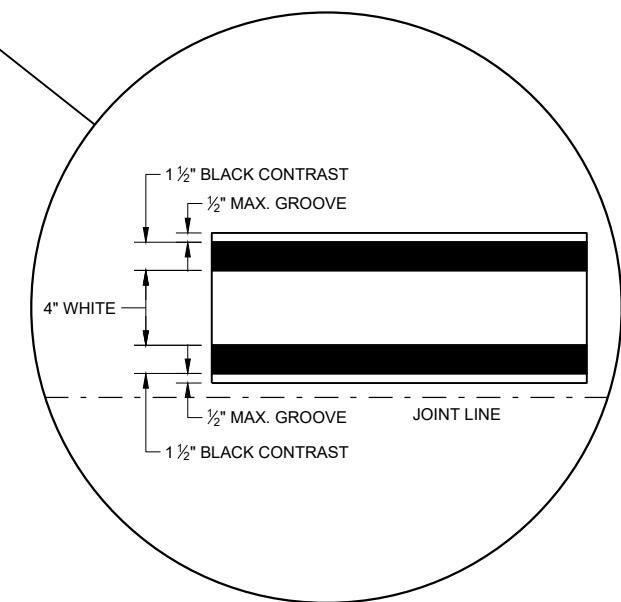
GENERAL NOTES

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
- 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)

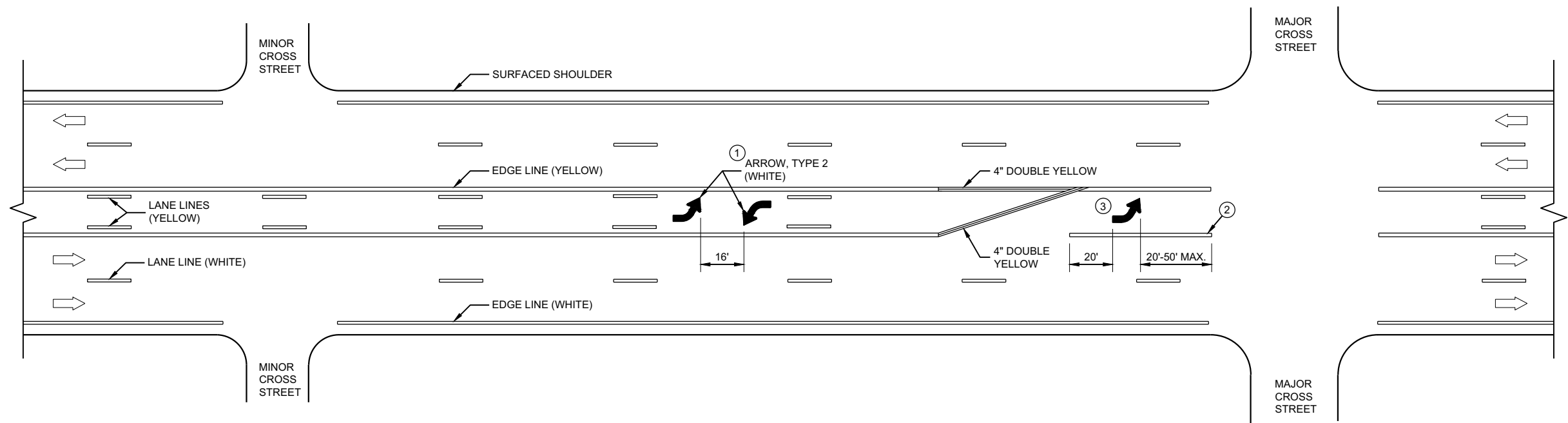
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED  
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 DATE STATEWIDE SIGNING AND MARKING ENGINEER  
 FHWA

**GENERAL NOTES**

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

➡ DIRECTION OF TRAFFIC



**TWO WAY LEFT TURN LANE**

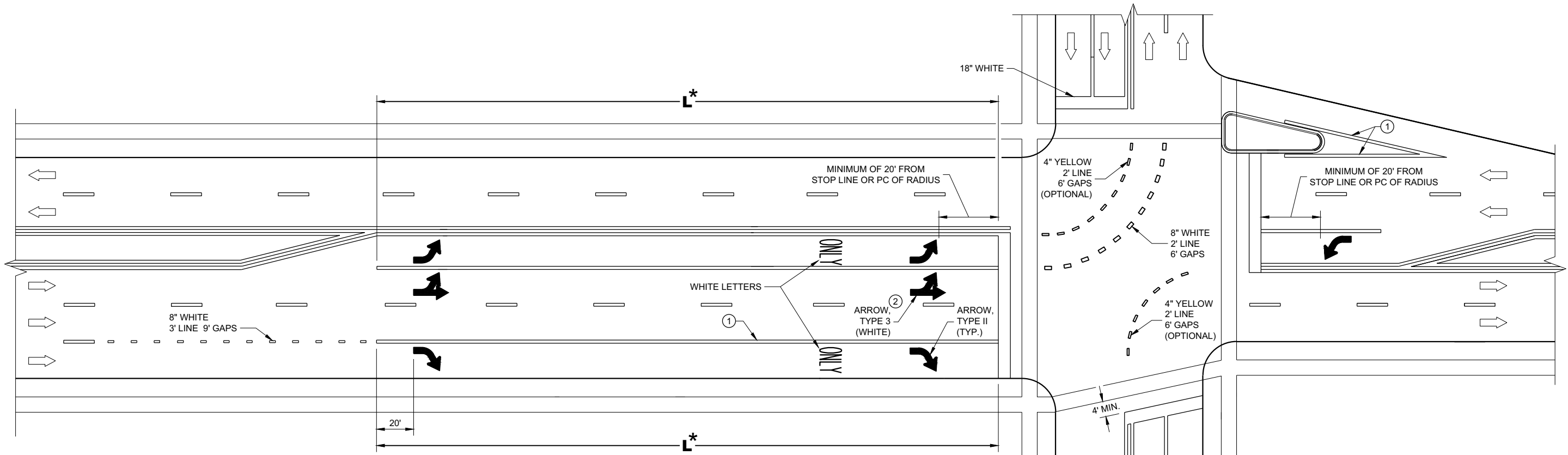
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6

SDD 15C08 - 20b

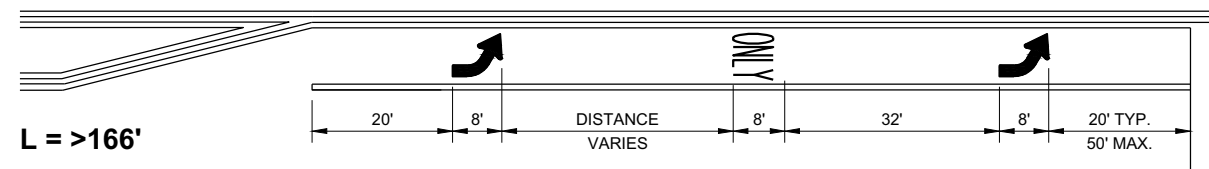
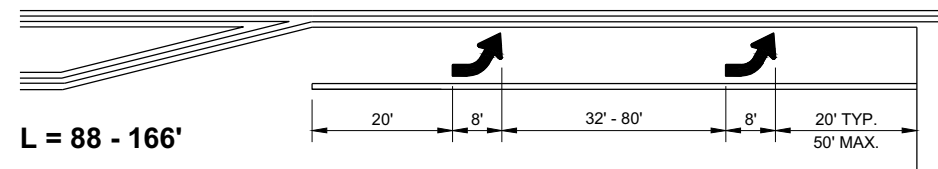
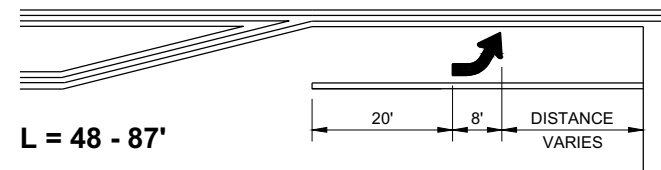
SDD 15C08 - 20b

<p><b>PAVEMENT MARKING (TURN LANES)</b></p>
<p>STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION</p>



**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**

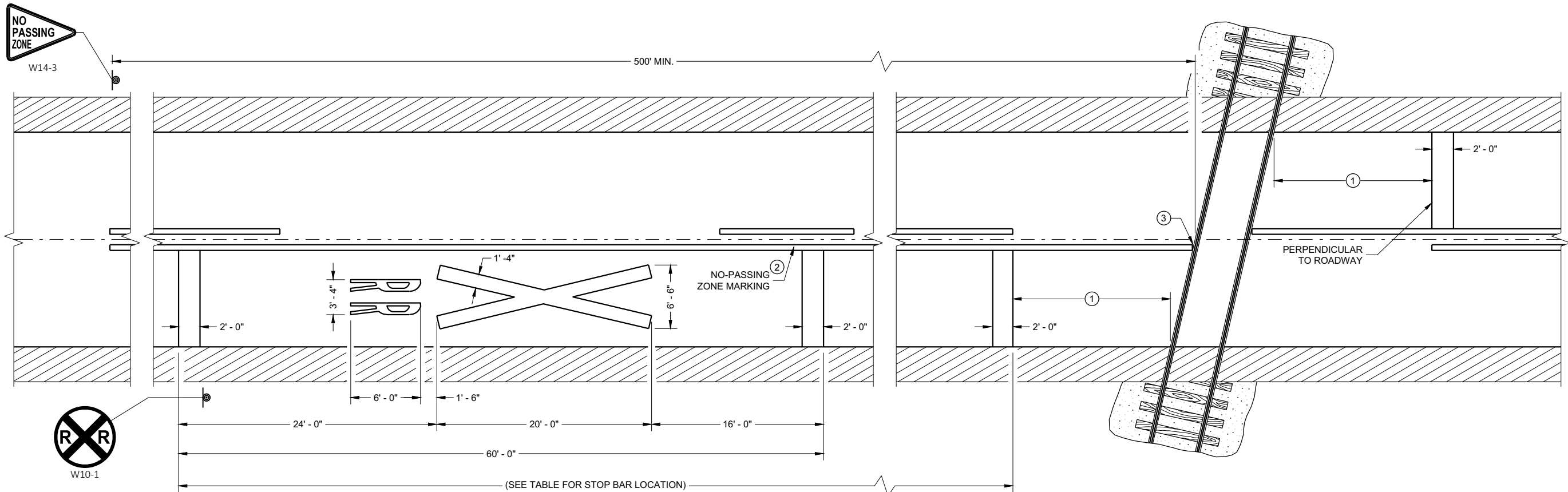
- ① 8" WHITE
- ② QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

➡ DIRECTION OF TRAFFIC

$L$  = LENGTH OF TURN BAY

**PAVEMENT MARKING  
(TURN LANES)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



**PAVEMENT MARKING**

**LEGEND**

Ⓢ SIGN ON PERMANENT SUPPORT

**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.

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

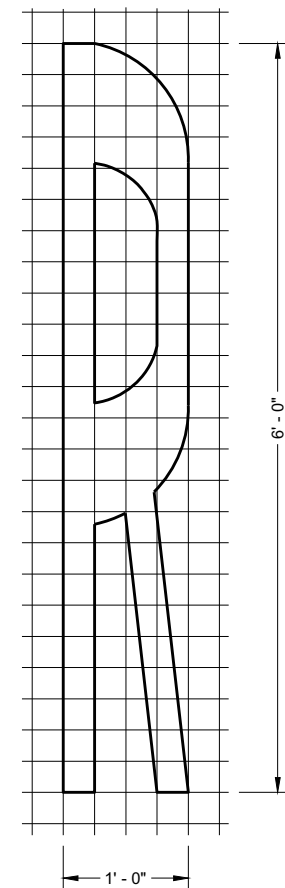
- ① MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNAL , GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.
- ② 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.
- ③ FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE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

**DISTANCE TABLE**

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 CLOSED PROXIMITY OF DRIVEWAYS, BRIDGES, SIDE ROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



**SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS**

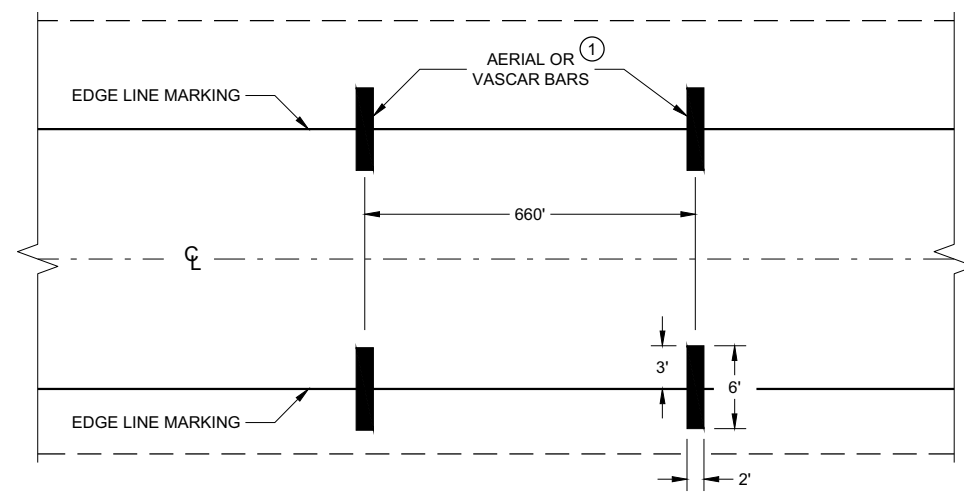
STATE OF WISCONSIN  
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DATE STATE SIGNING AND MARKING ENGINEER

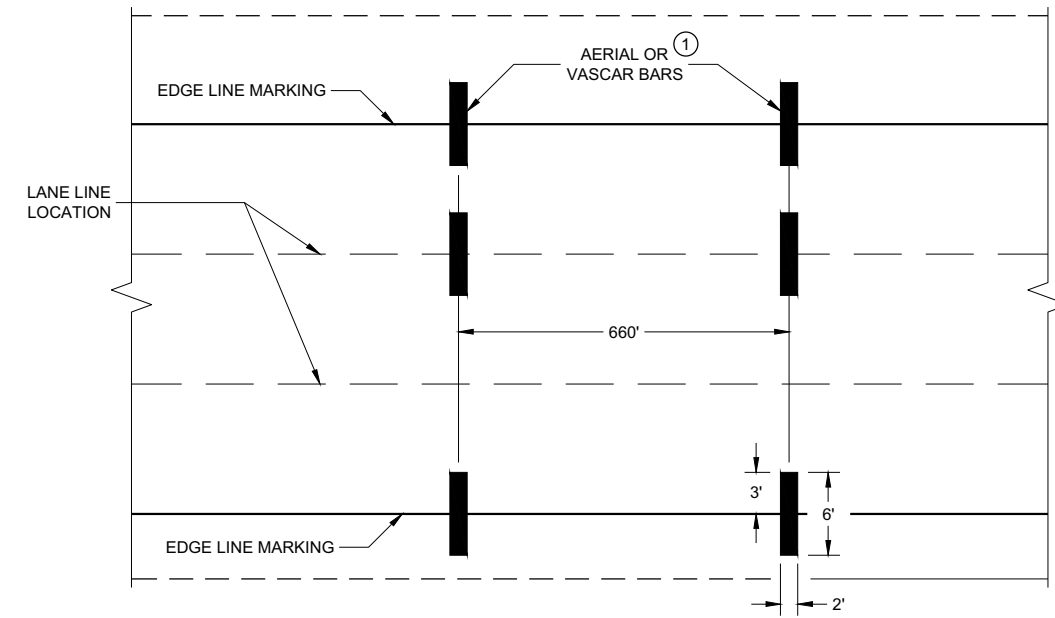
**GENERAL NOTES**

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.



**TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC**



**TYPICAL FOR MULTILANE TRAFFIC**

**SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS**

6

6

SDD 15C14 - 04

SDD 15C14 - 04

**AERIAL ENFORCEMENT BARS  
PAVEMENT MARKING DETAILS**

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ENGINEER

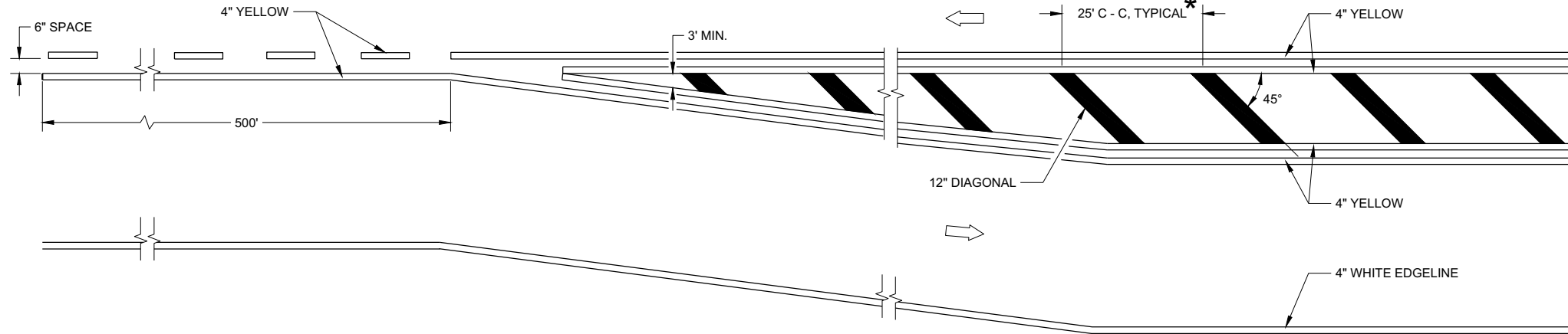
FHWA

**GENERAL NOTES**

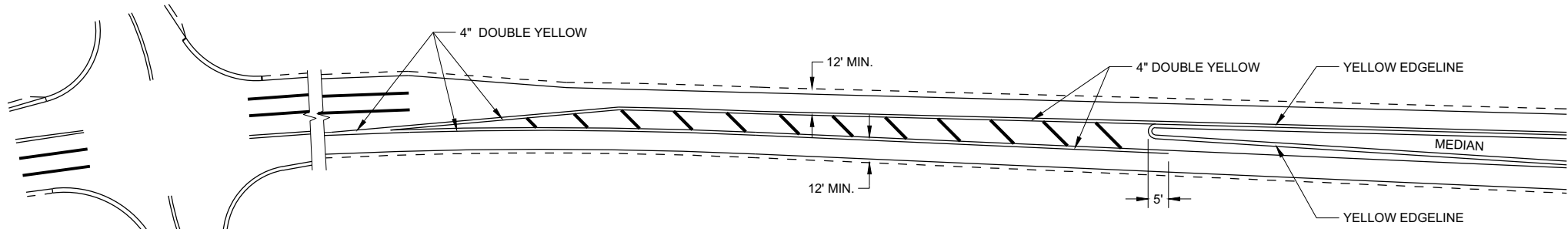
DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

➡ DIRECTION OF TRAVEL

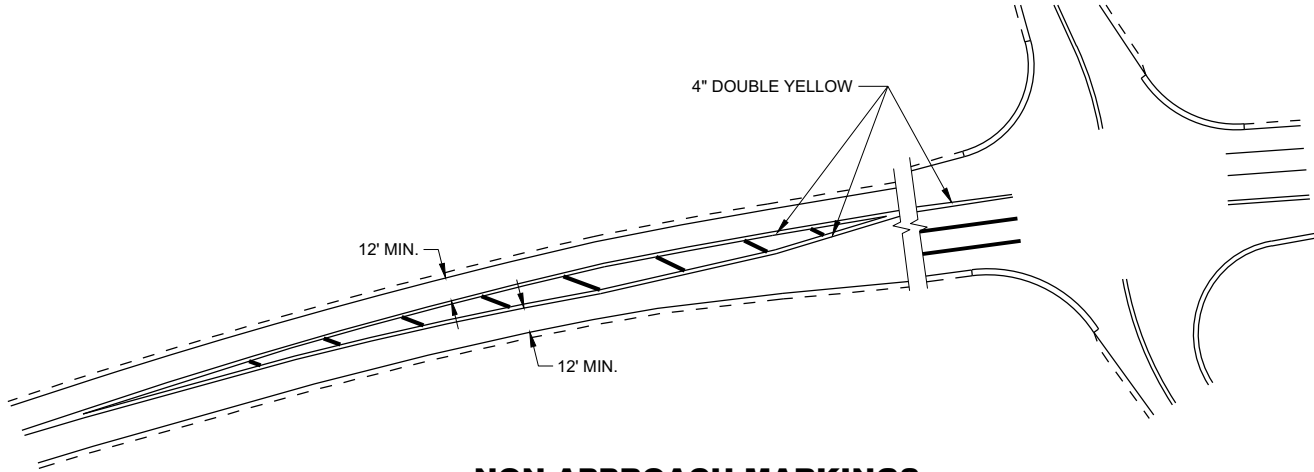
\* WHEN THE PAINTED MEDIAN LENGTH IS LESS THAN 50 FEET THE SPACING IS 10'.



**MEDIAN ISLAND DETAIL**



**APPROACH MARKINGS FOR OTHER MEDIAN TYPES**



**NON-APPROACH MARKINGS**

6





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SDD 15C18 - 05a

SDD 15C18 - 05a

<b>MEDIAN ISLAND PAVEMENT MARKINGS</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED February 2021 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MARKING 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 (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.

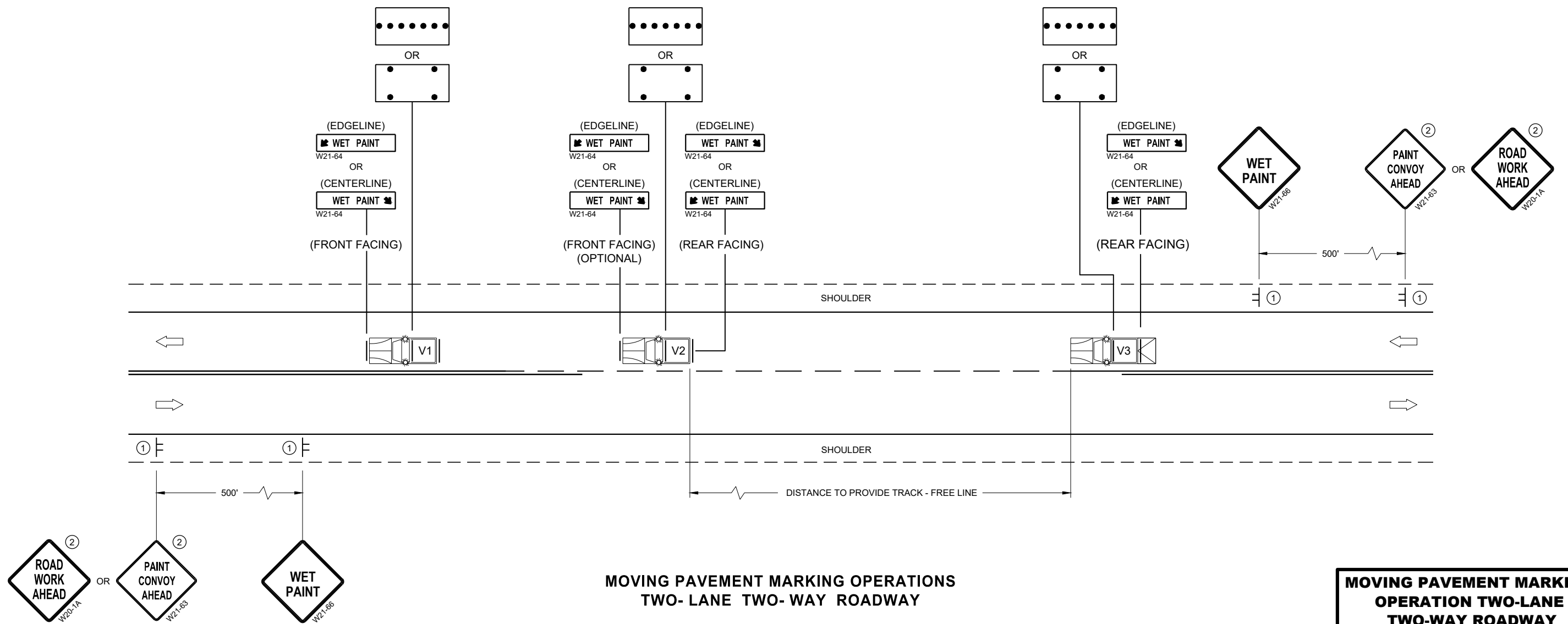
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" 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.

6

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






SDD 15C19 - 06a

SDD 15C19 - 06a

<b>MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2019 DATE	/S/ Andrew Heidtke 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.

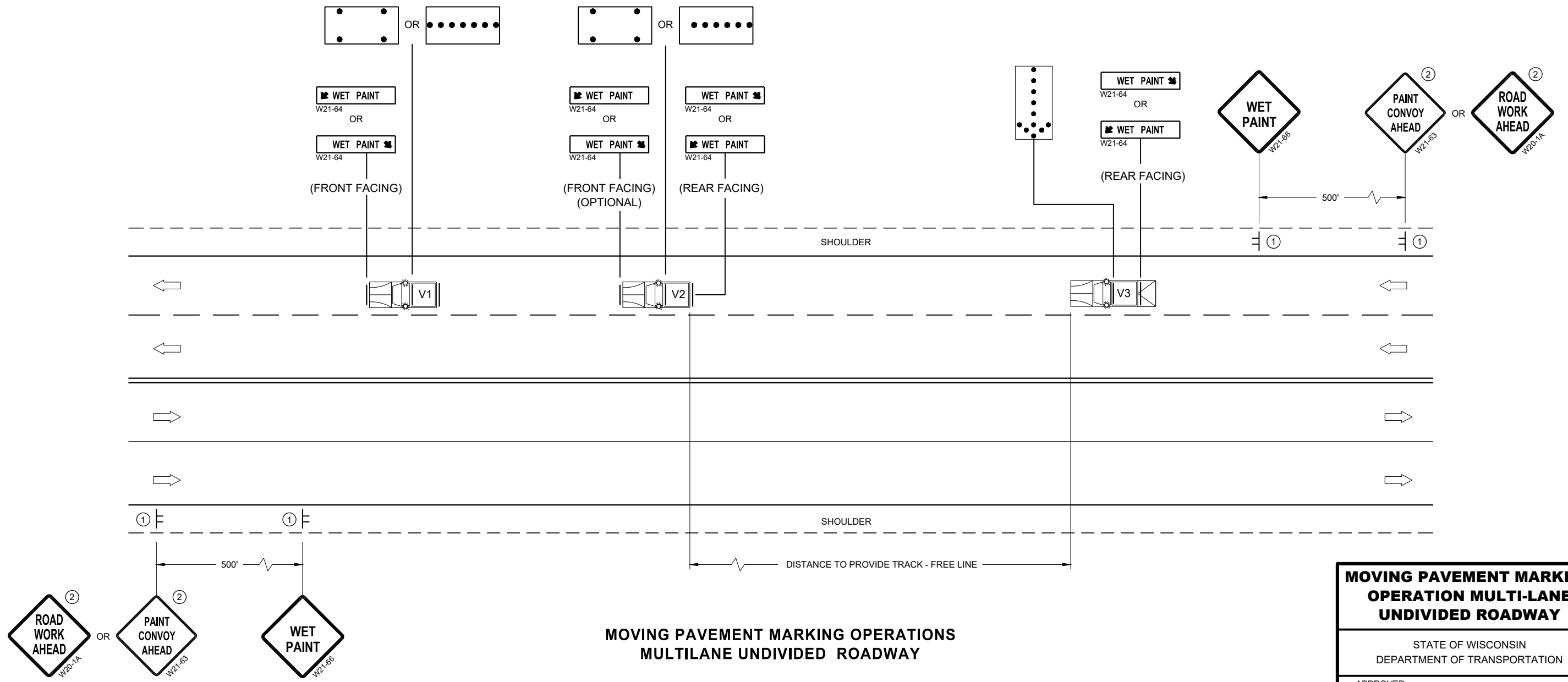
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLES AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL HAVE A MINIMUM HEIGHT OF 28" 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.

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



SDD 15C19 - 06b

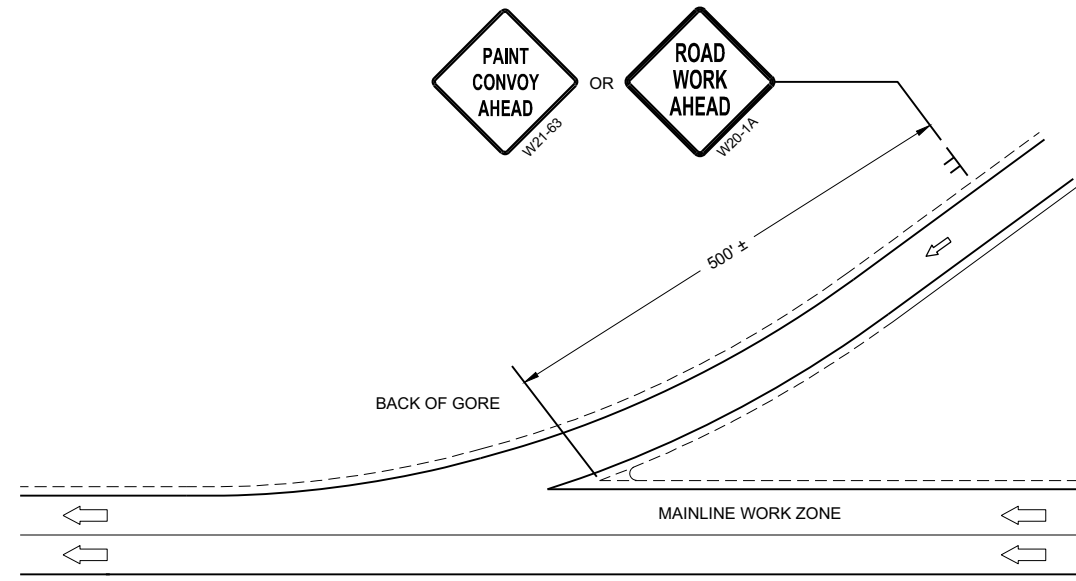
SDD 15C19 - 06b

**MOVING PAVEMENT MARKING OPERATIONS  
MULTILANE UNDIVIDED ROADWAY**

<b>MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2019 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

**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)



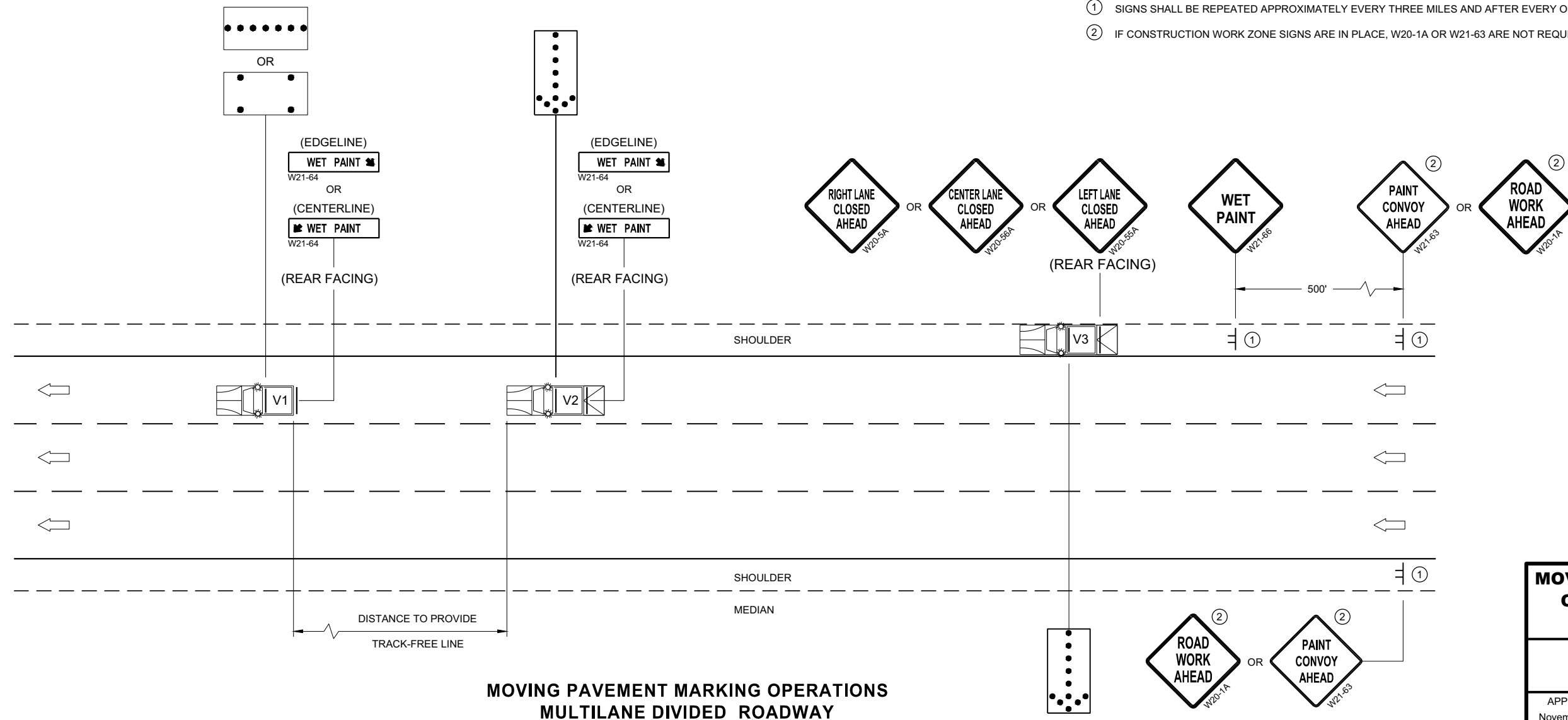
**GENERAL NOTES**

- 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 REAR MOST 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.

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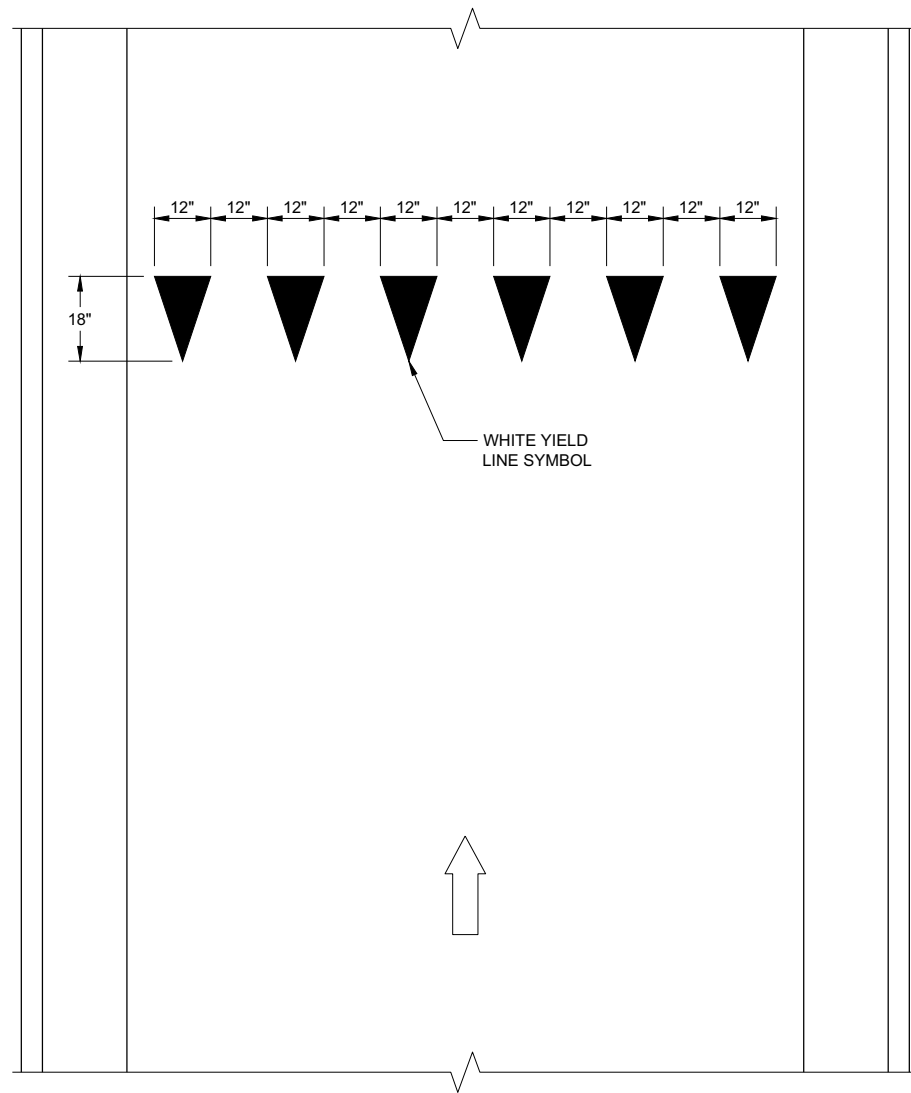


SDD 15C19 - 06C



SDD 15C19 - 06C

**MOVING PAVEMENT MARKING OPERATIONS  
MULTILANE DIVIDED ROADWAY**

<b>MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2019 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	



**LEGEND**

-  SIGN ON PERMANENT SUPPORT
-  DIRECTION OF TRAVEL

**YIELD MARKINGS**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



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

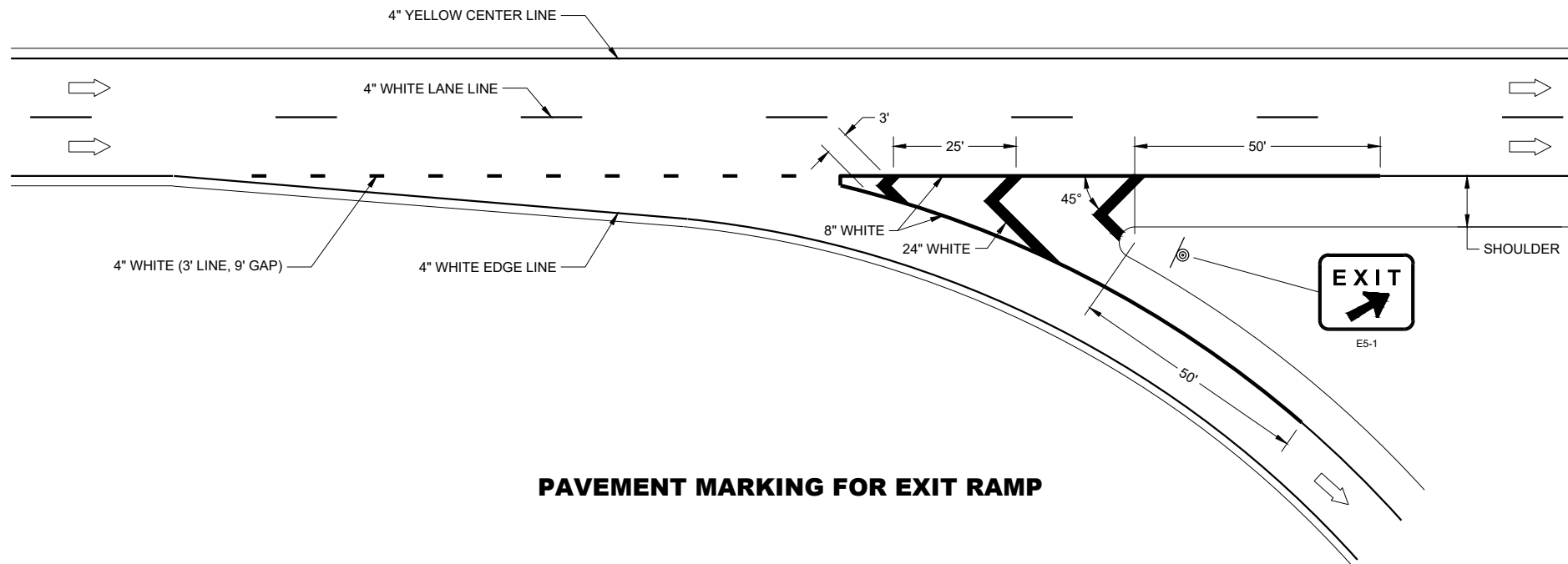
FHWA

**GENERAL NOTES**

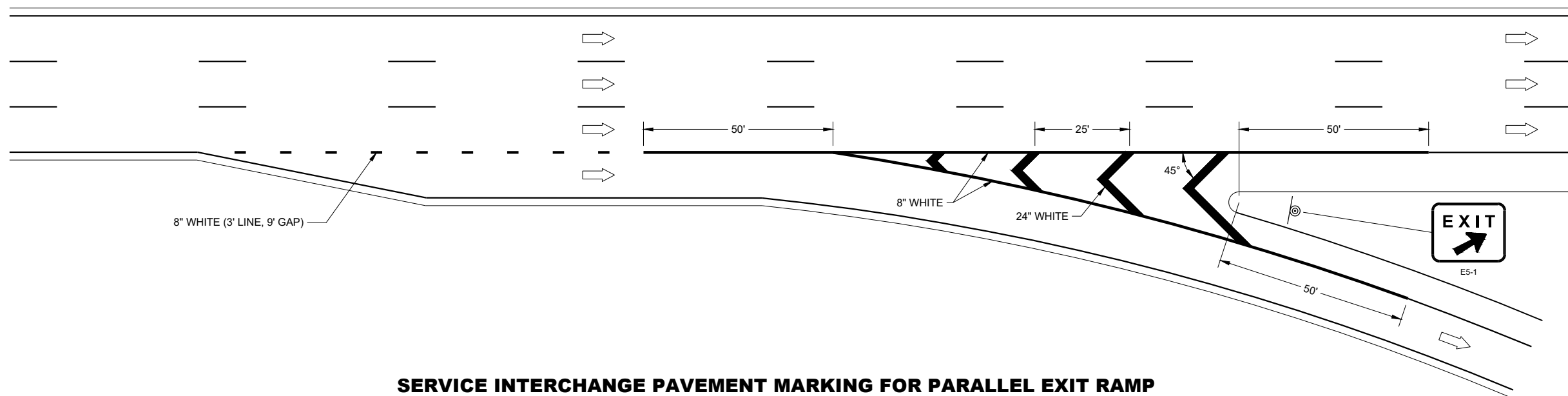
PLACE GROOVE 3 INCHES LEFT OF JOINT.

**LEGEND**

-  SIGN ON PERMANENT SUPPORT
-  DIRECTION OF TRAVEL



**PAVEMENT MARKING FOR EXIT RAMP**



**SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT RAMP**

**PAVEMENT MARKING,  
EXIT RAMP AND  
PARALLEL EXIT RAMP**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



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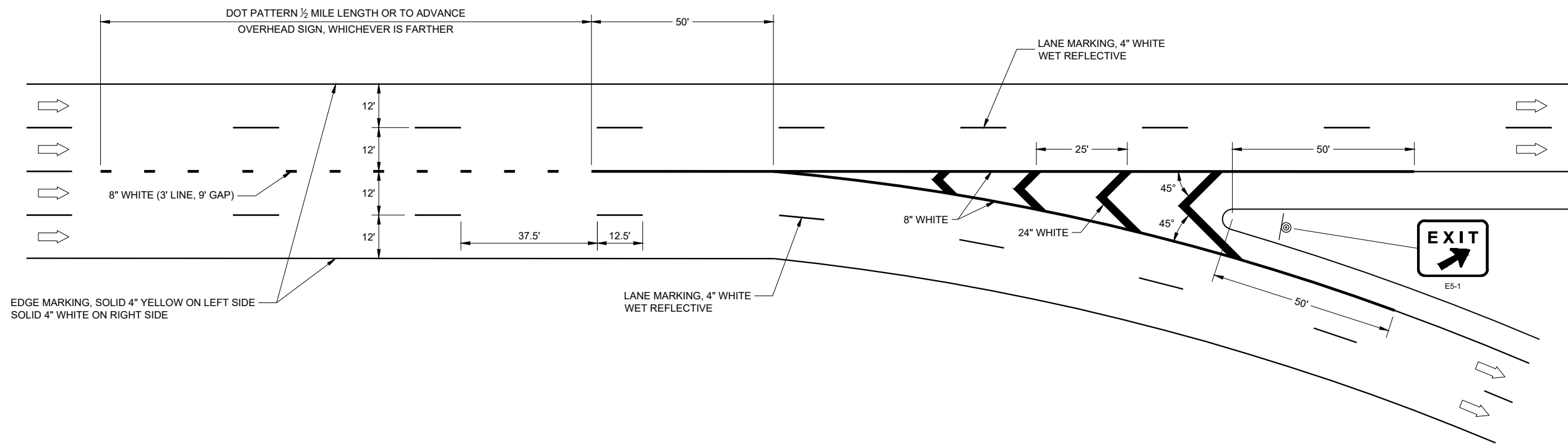
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**GENERAL NOTES**

PLACE GROOVE 3 INCHES LEFT OF JOINT.

**LEGEND**

-  SIGN ON PERMANENT SUPPORT
-  DIRECTION OF TRAVEL



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SDD 15C31 - 04b

SDD 15C31 - 04b

**PAVEMENT MARKING,  
MAJOR SPLIT  
FREEWAY TO FREEWAY**

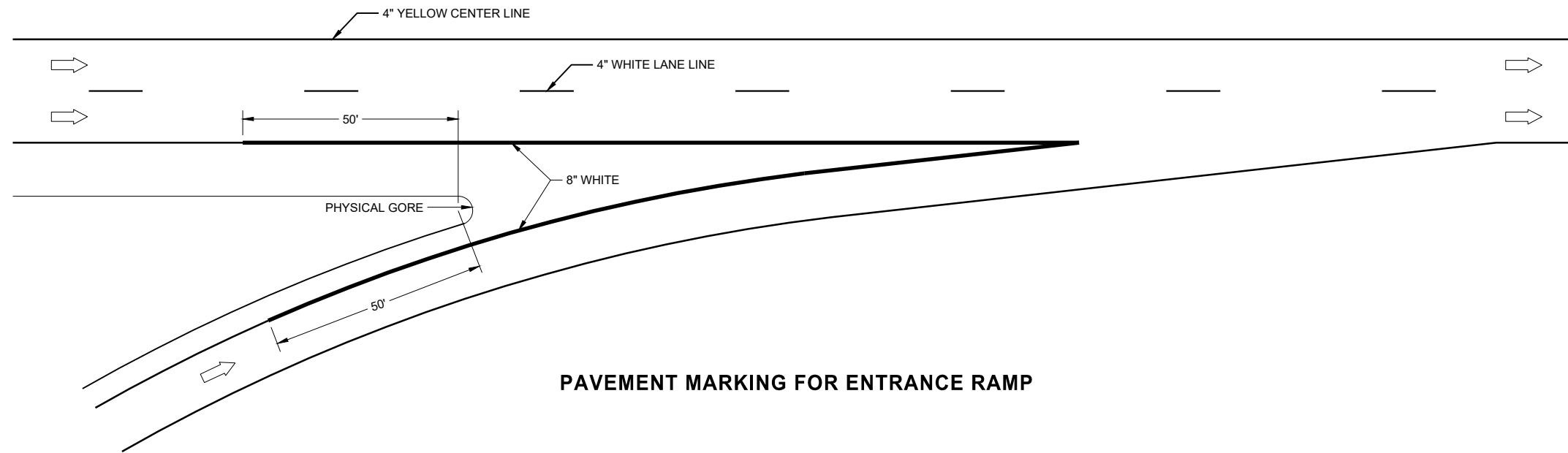
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

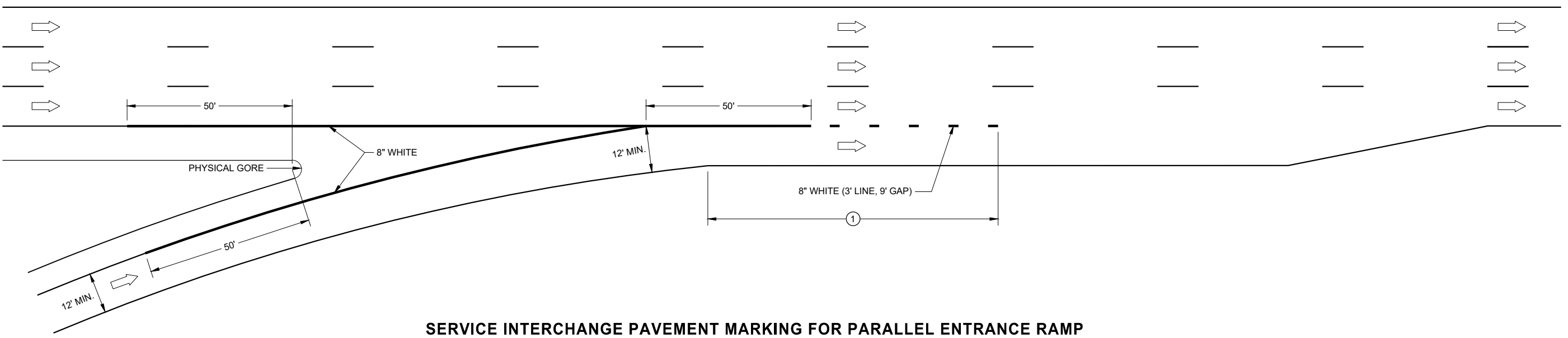
- PLACE GROOVE 3 INCHES LEFT OF JOINT.
- ① ½ LENGTH OF FULL WIDTH ACCELERATION LANE.

**LEGEND**

➡ DIRECTION OF TRAVEL



**PAVEMENT MARKING FOR ENTRANCE RAMP**



**SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE RAMP**

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SDD 14C31 - 04c

SDD 14C31 - 04c

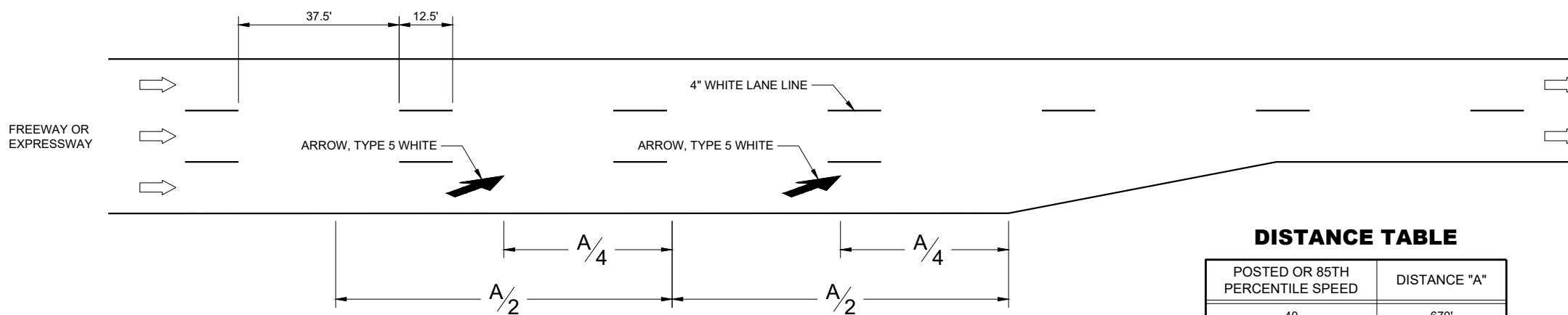
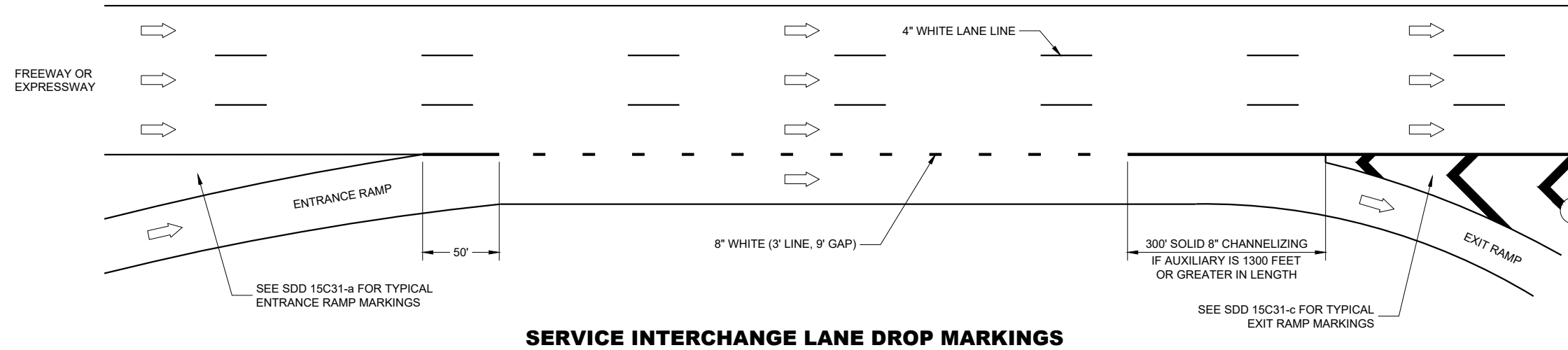
<b>PAVEMENT MARKING, ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP</b>
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

**LEGEND**

➡ DIRECTION OF TRAVEL

**GENERAL NOTES**

PLACE GROOVE 3 INCHES LEFT OF JOINT.



**DISTANCE TABLE**

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
40	670'
45	775'
50	885'
55	990'
60	1100'
65	1200'
70	1250'

**PAVEMENT MARKING,  
LANE DROP AND  
LANE REDUCTION**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

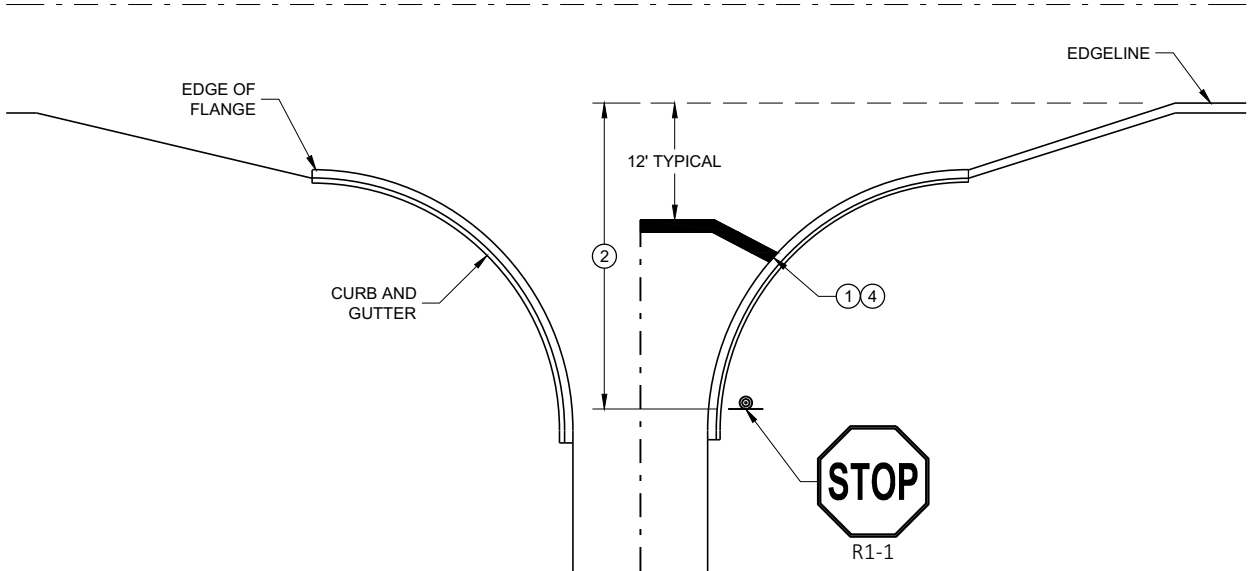
APPROVED  
May 2021 /S/ Matthew Rauch  
DATE STATE MARKING AND SIGNING  
ENGINEER

FHWA

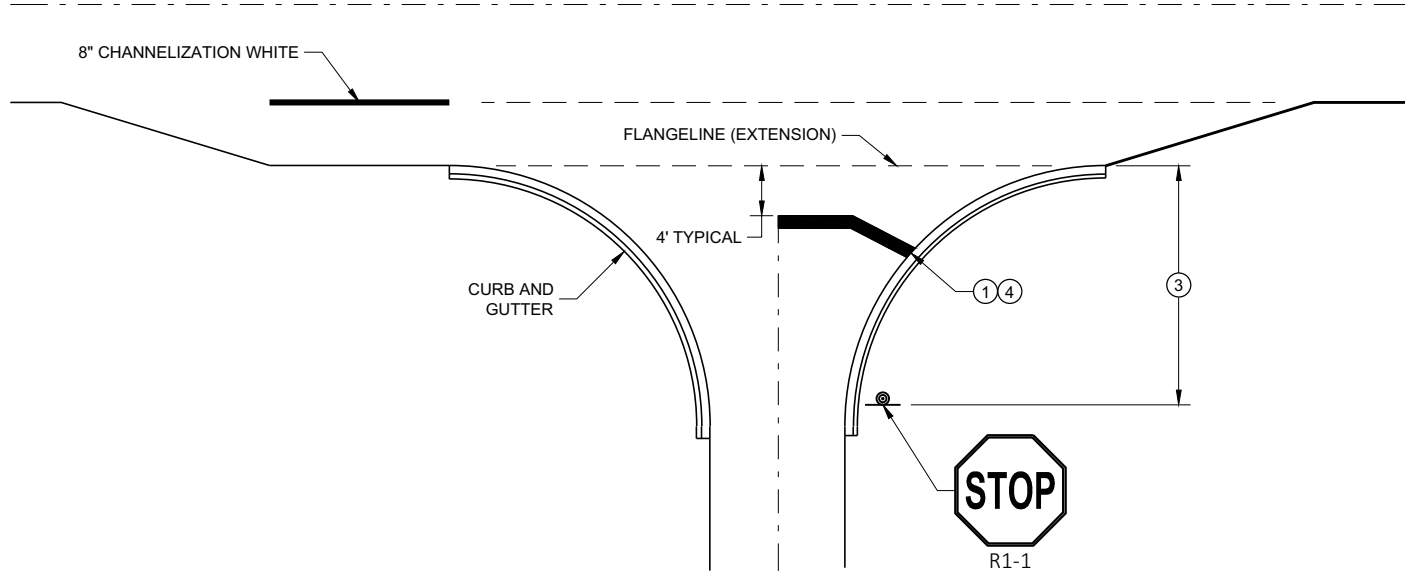
**GENERAL NOTES**

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

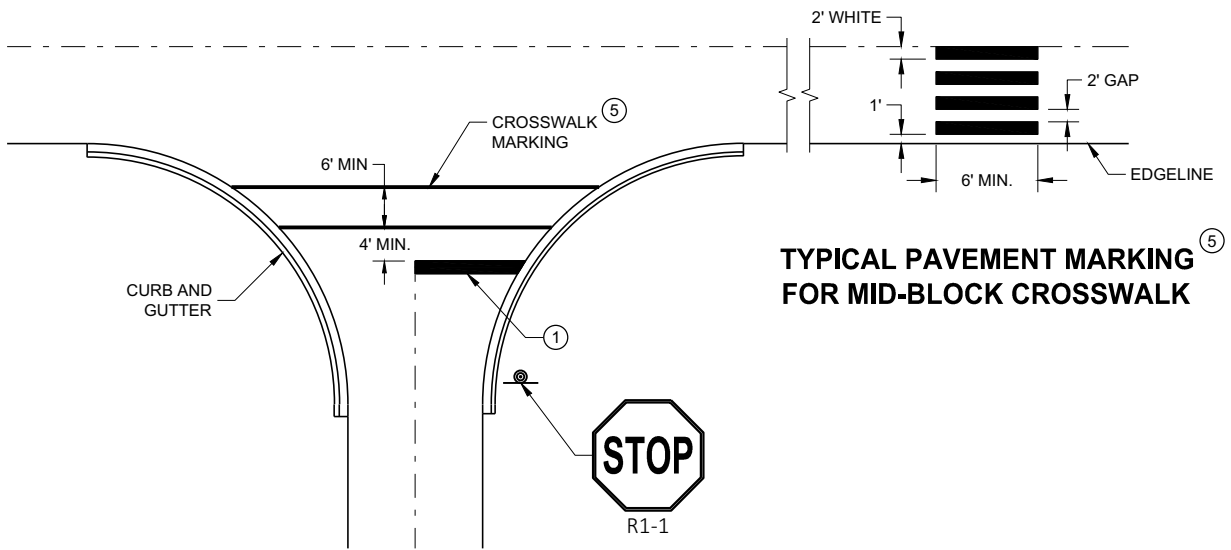
- ① 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- ② NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
- ③ NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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.



**TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER**

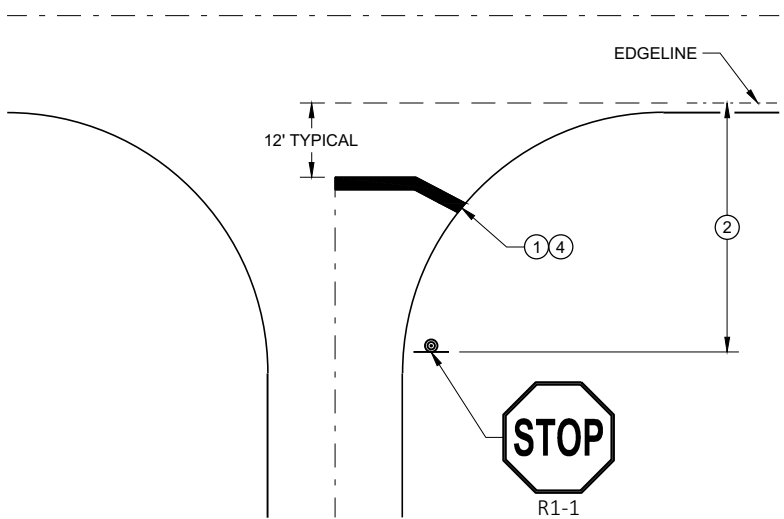


**TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE**



**TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING**

**TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK**



**TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER**

<b>STOP LINE AND CROSSWALK PAVEMENT MARKING</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2019 DATE	/S/ Matthew Rauch STATE SIGNING AND MARKING ENGINEER
<small>FHWA</small>	

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SDD 15C33 - 04

SDD 15C33 - 04



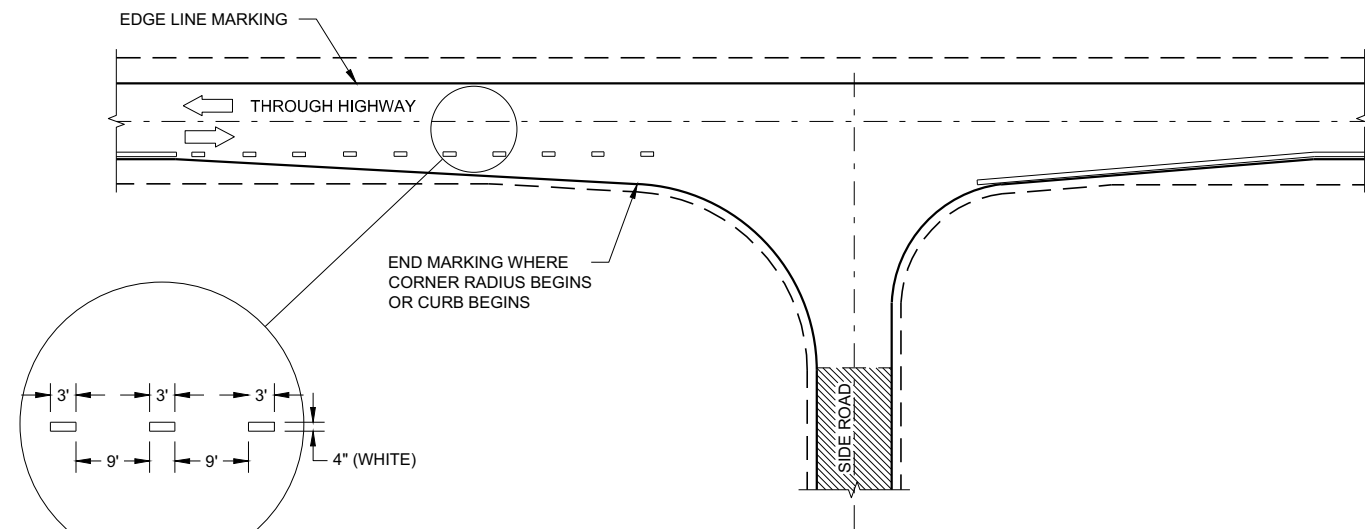
**GENERAL NOTES**

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

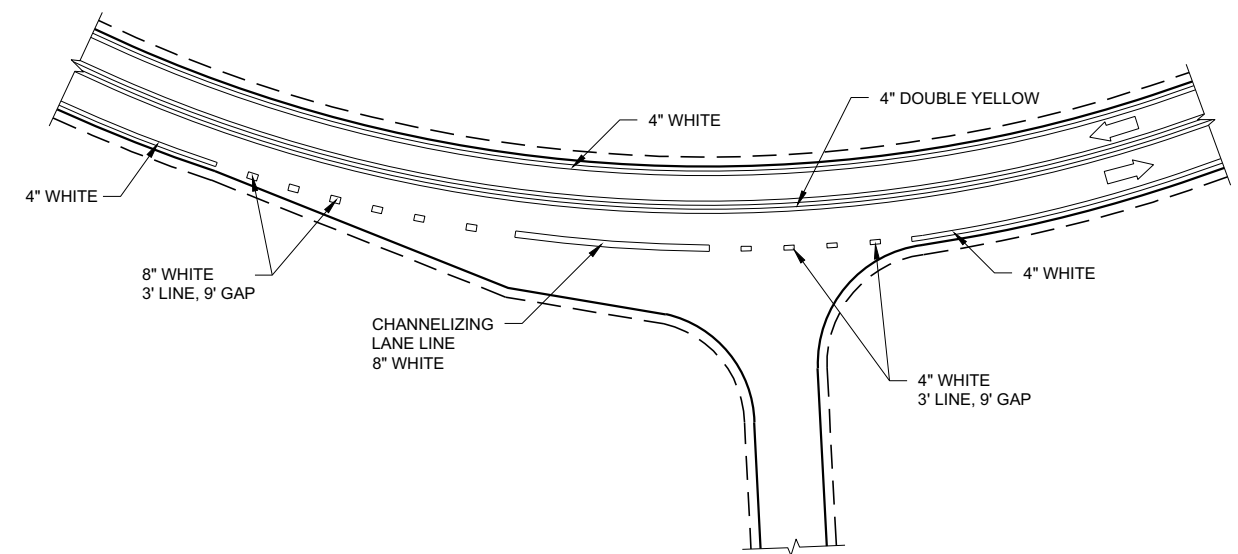
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- ③ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
- ④ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

**LEGEND**

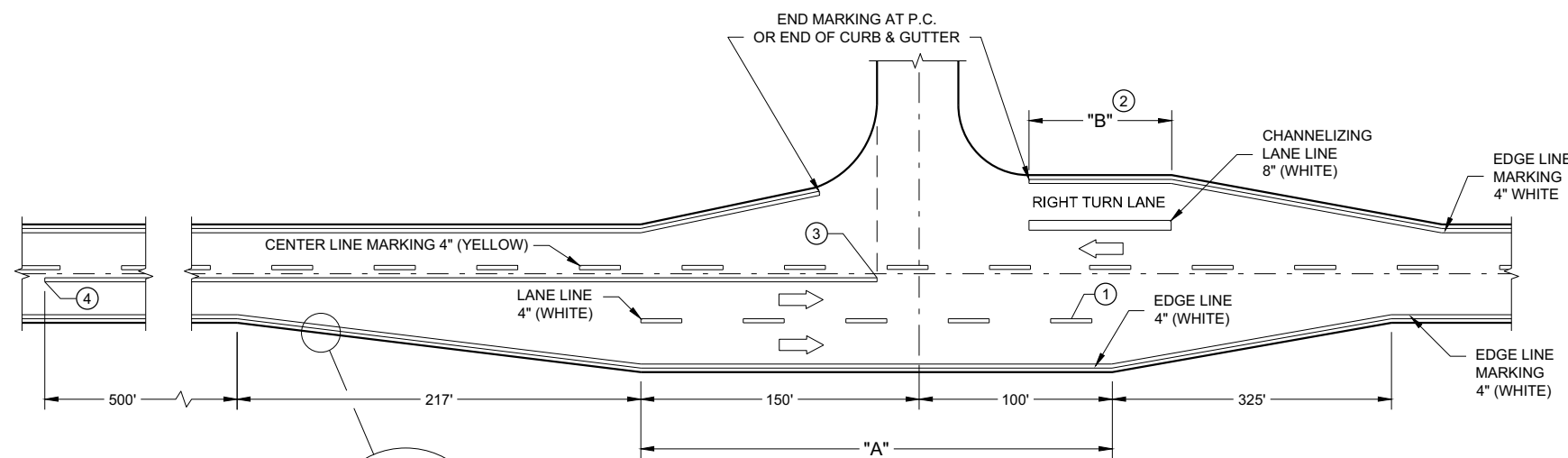
➡ DIRECTION OF TRAVEL



**MINOR INTERSECTION**



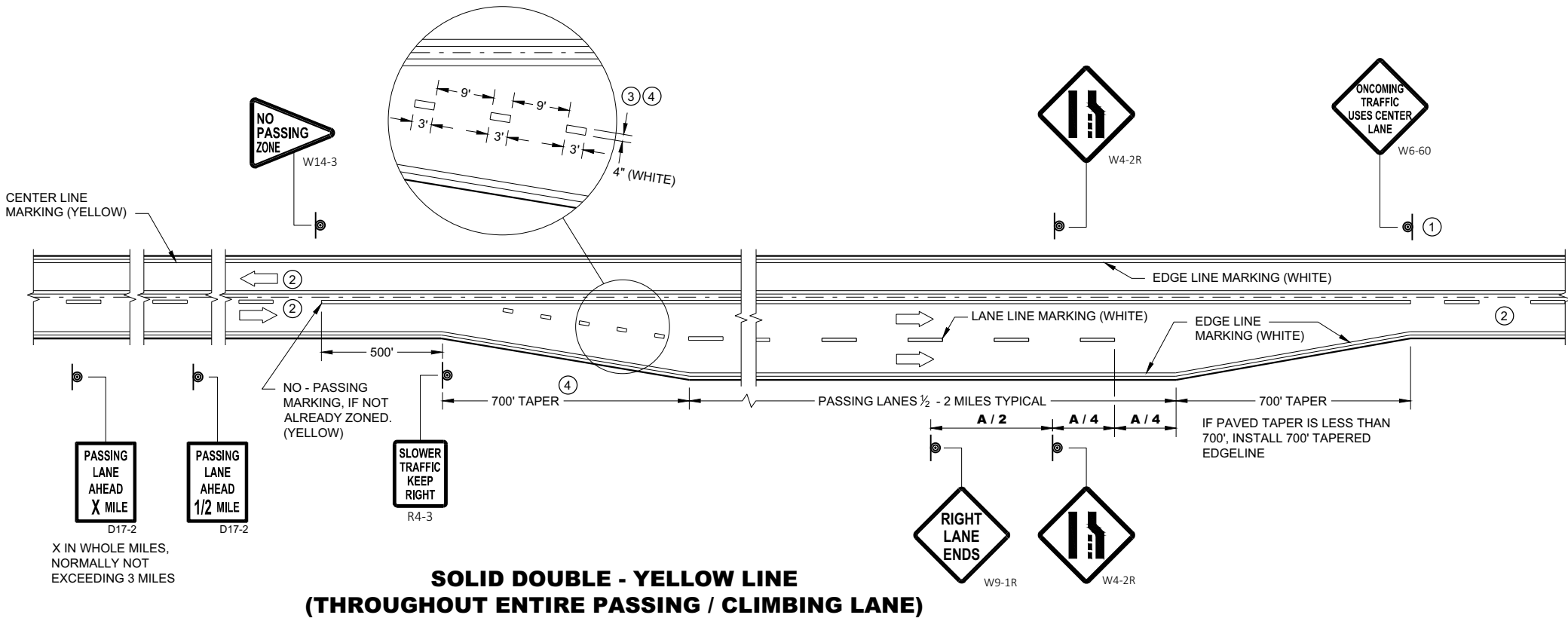
**INTERSECTION ON OUTSIDE OF CURVE**



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

**PAVEMENT MARKING  
(INTERSECTIONS)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



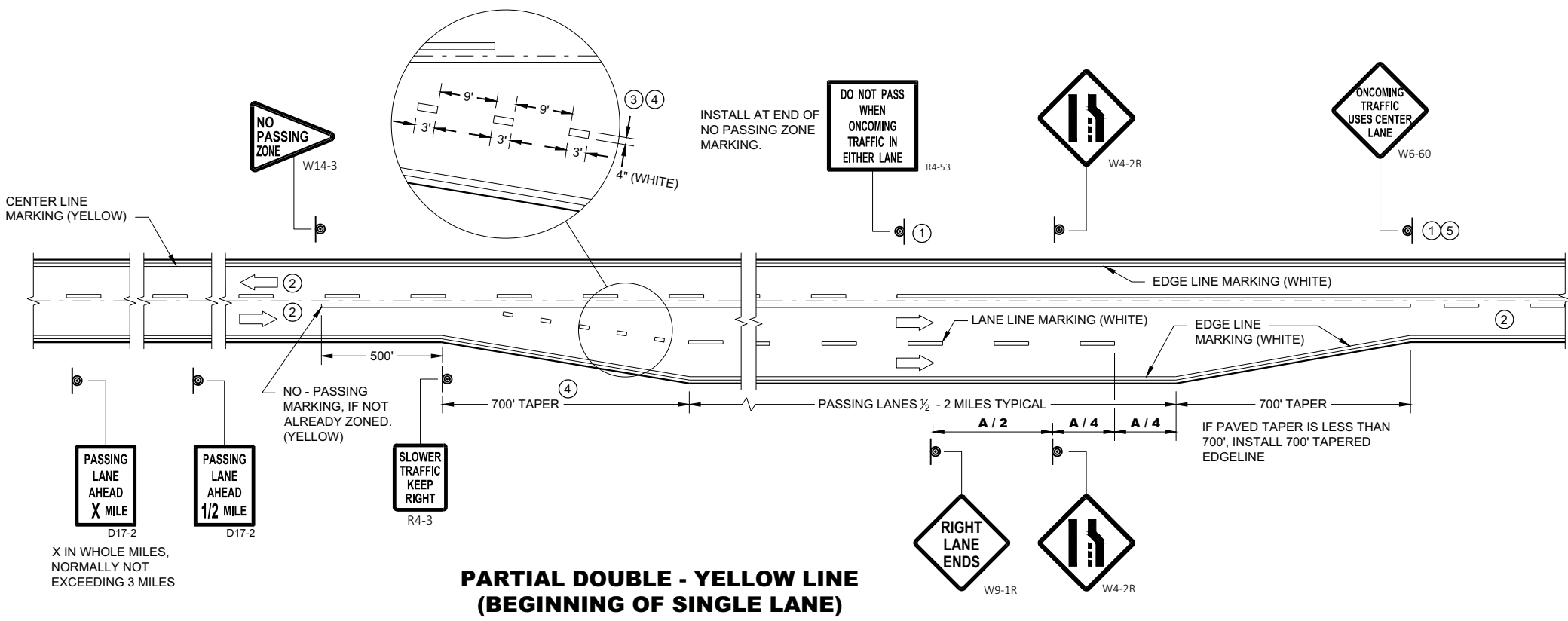
**GENERAL NOTES**

- 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

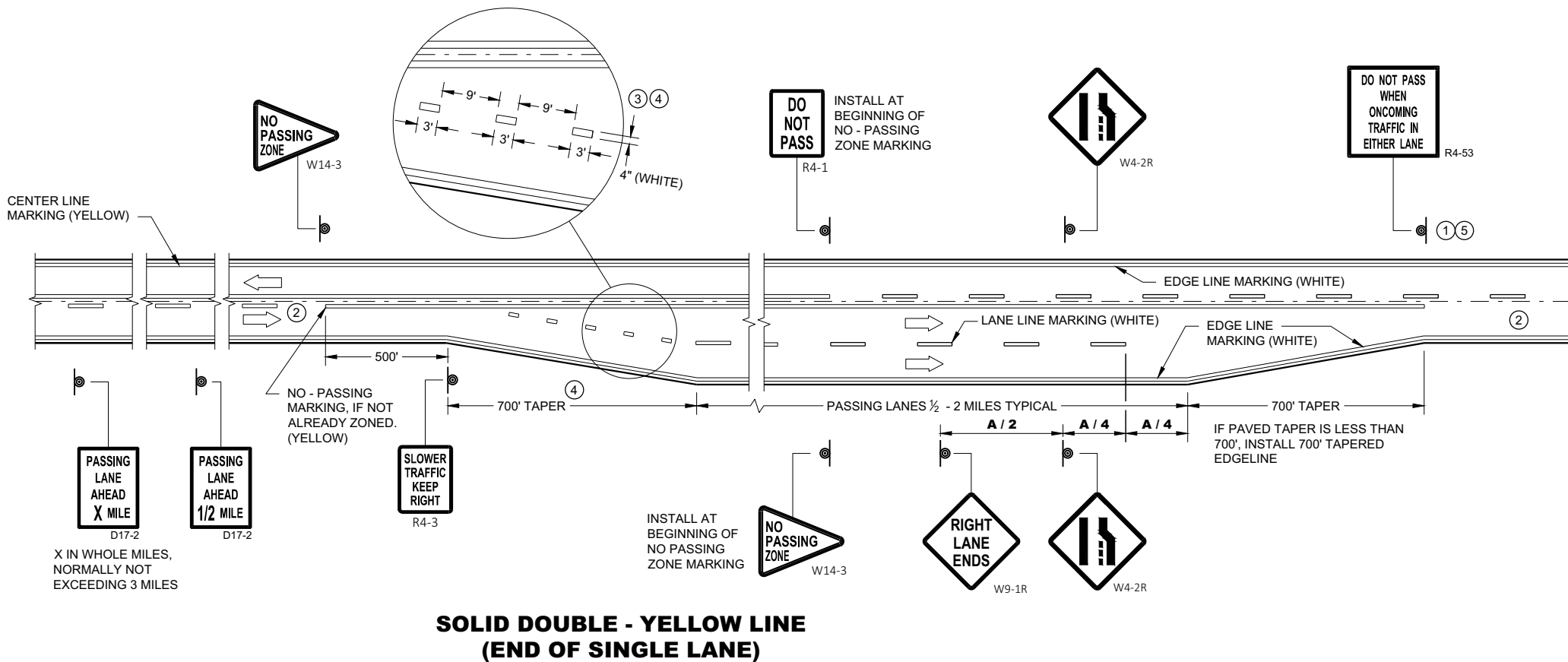
**DISTANCE TABLE**

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

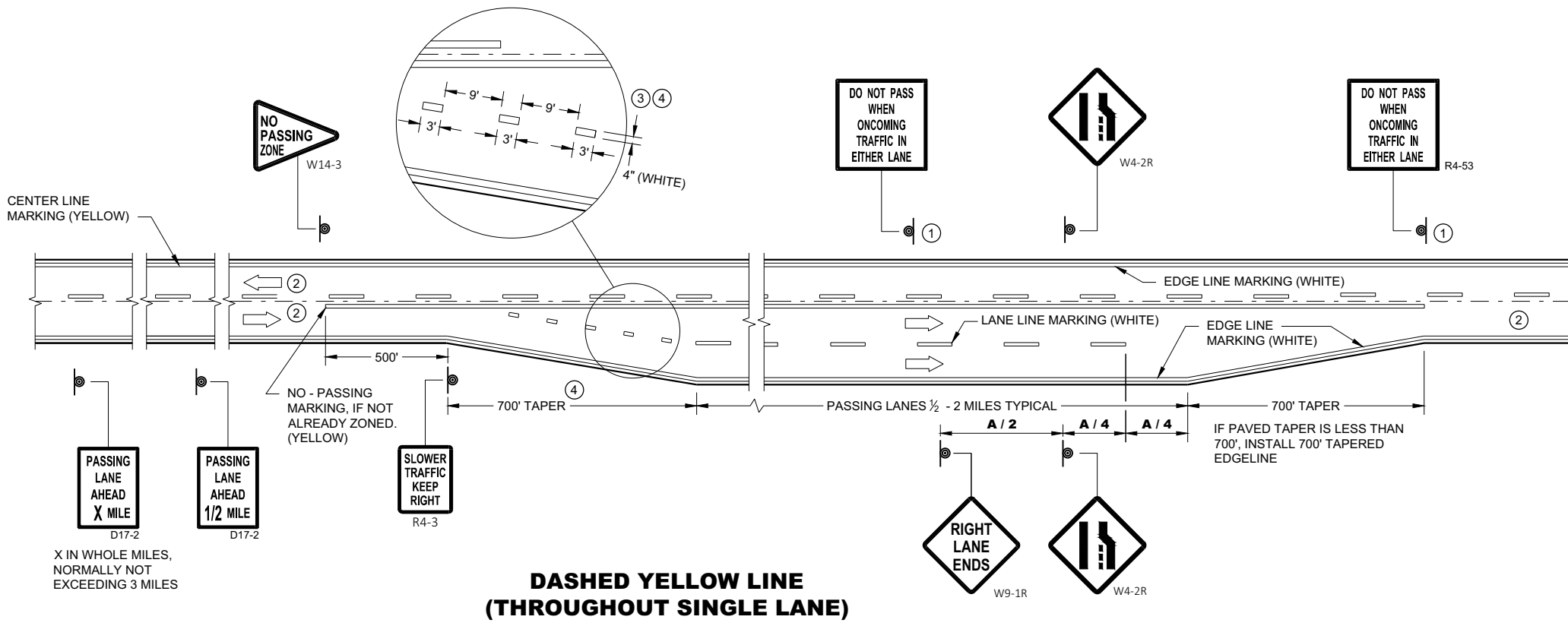


**PAVEMENT MARKING & SIGNING  
(CLIMBING LANE & PASSING LANE)**

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

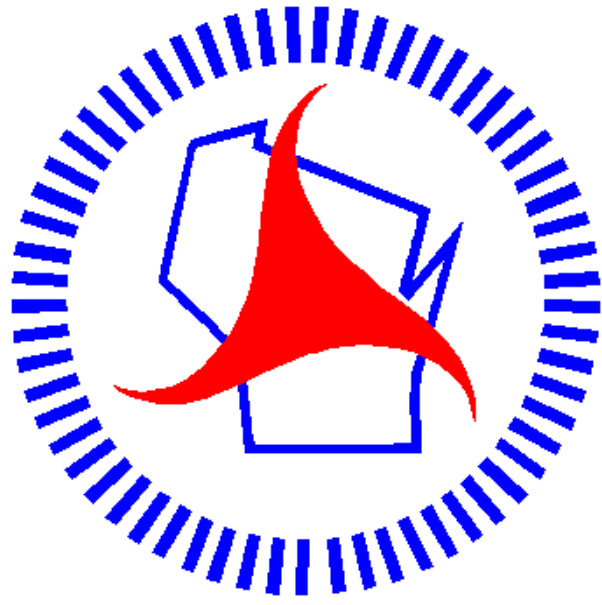
**PAVEMNET MARKING & SIGNING  
(CLIMBING LANE & PASSING LANE)**

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>