

GRE

APRIL 2017

PROJECT ID:
WITH: N/A

1009-33-30

COUNTY:

NE REGION WIDE

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	Gross Sections

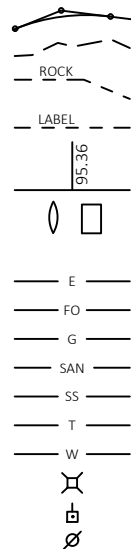
TOTAL SHEETS = 64



CONVENTIONAL SYMBOLS

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

<u>PROFILE</u>	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
<u>UTILITIES</u>	
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

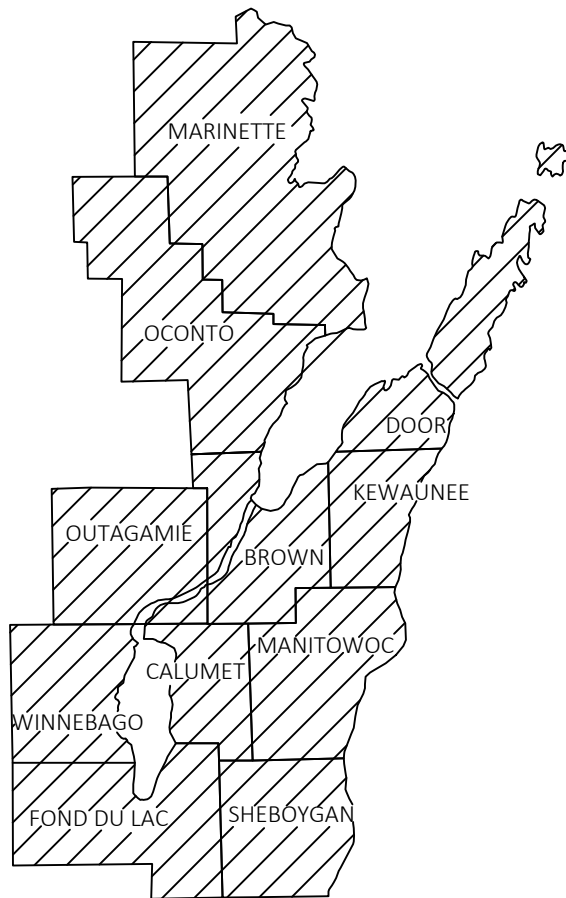
EPOXY PAVEMENT MARKING-STH/USH

VARIOUS STH/USH REGION WIDE

VAR HWY

NORTHEAST REGION WIDE

STATE PROJECT NUMBER
1009-33-30



LAYOUT
SCALE 0 30 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.000

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-33-30	WISC 2017169	1

BROWN CO	23.5	MILES
CALUMET CO	22.85	MILES
DOOR CO	15.3	MILES
FOND DU LAC CO	16.5	MILES
KEWAUNEE CO	3.6	MILES
MANITOWOC CO	48.7	MILES
MARINETTE CO	30.3	MILES
OCONTO CO	42.7	MILES
OUTAGAMIE CO	38.5	MILES
SHEBOYGAN CO	11.6	MILES
WINNEBAGO CO	23.0	MILES
TOTAL	276.55	MILES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	
Designer	S. HERLACHE
Project Manager	
Regional Examiner	
Regional Supervisor	M. FREWERD


APPROVED FOR THE DEPARTMENT
DATE: 11/30/16 *Randy P. Asmann*
(Signature)

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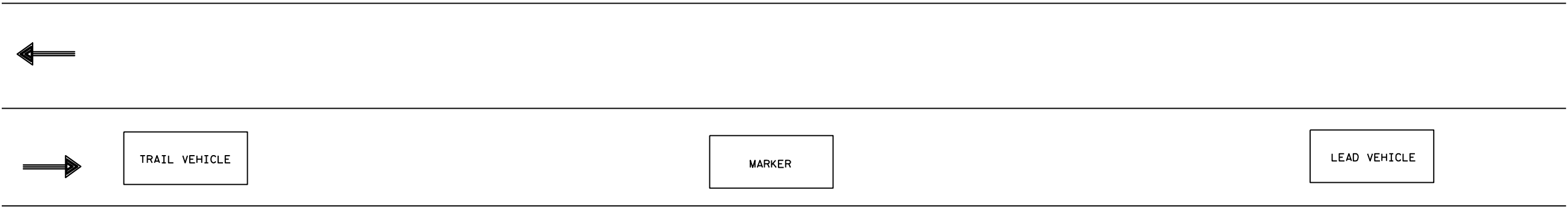
GENERAL NOTES

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



Dial  or (800)242-8511

www.DiggersHotline.com



NOTE:

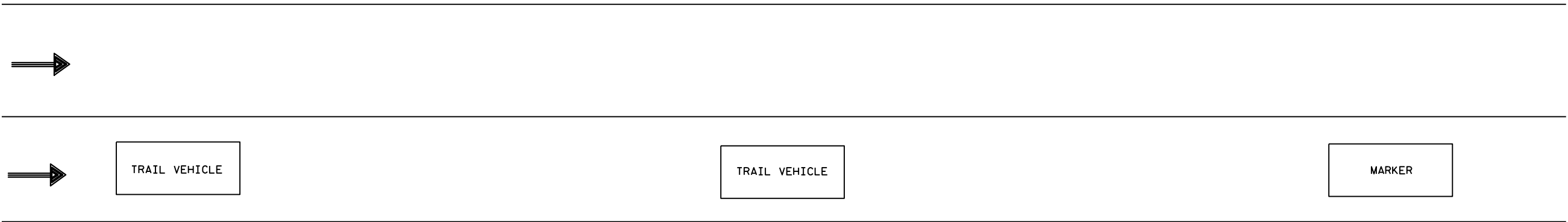
ALL VEHICLES SHALL HAVE FLASHING WARNING LIGHTS, FRONT AND REAR.

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



DIVIDED ROADWAYS

(ALL SIGNS AND ARROW BOARDS FACING REAR)

Estimate Of Quantities

1009-33-30					
Line	Item	Item Description	Unit	Total	Qty
0010	619.1000	Mobilization	EACH	1.000	1.000
0020	643.0100	Traffic Control (project) 01. 1009-33-30	EACH	1.000	1.000
0030	646.0106	Pavement Marking Epoxy 4-Inch	LF	2,240,715.000	2,240,715.000
0040	646.0126	Pavement Marking Epoxy 8-Inch	LF	51,175.000	51,175.000
0050	646.0841.S	Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch	LF	37,555.000	37,555.000
0060	646.0843.S	Pavement Marking Grooved Wet Reflective Contrast Tape 8-Inch	LF	105,961.000	105,961.000
0070	647.0110	Pavement Marking Railroad Crossings Epoxy	EACH	13.000	13.000
0080	647.0166	Pavement Marking Arrows Epoxy Type 2	EACH	36.000	36.000
0090	647.0206	Pavement Marking Arrows Bike Lane Epoxy	EACH	25.000	25.000
0100	647.0306	Pavement Marking Symbols Bike Lane Epoxy	EACH	25.000	25.000
0110	647.0356	Pavement Marking Words Epoxy	EACH	28.000	28.000
0120	647.0406	Pavement Marking Words Bike Lane Epoxy	EACH	9.000	9.000
0130	647.0526	Pavement Marking Yield Line Symbols Epoxy 18-Inch	EACH	9.000	9.000
0140	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	850.000	850.000
0150	647.0803	Pavement Marking Aerial Enforcement Bars Epoxy 24-Inch	LF	312.000	312.000

PAVEMENT MARKING

LOCATION	LOG MILE	MILE	646.0106		646.0841.S	REMARKS
			EPOXY 4 INCH	SOLID	GROOVED	
			WHITE	YELLOW	WET REFLECTIVE	
			L.F.	L.F.	CONTRAST TAPE	
					4-INCH	
					L.F.	
US 41		9.00				Gaps left from 2016 project.
North Bound					405	Lane Line Tape
From: US 41/US 141	99.00					US 41 North Bound
To: Begin Tape	108.20					Begin Lane Line Tape 2016 project North Bound
US 41						
North Bound			6,500	6,500	1,630	Lane Line Tape/Edge Lines
From: South of Frog Pond Rd						1 mile South of Frog Pond Rd @ End Lane Line Tape
To: Frog Pond Rd						Begin Lane Line Tape
LOCATION						
US 41						
South Bound			6,550	6,550		Lane Line Tape/Edge Lines
From: Frog Pond Rd						
To: Begin Tape						Begin Lane Line Tape 2016 project South Bound
SUB-TOTALS			13,050	13,050		
TOTALS			26,100		2,035	

PAVEMENT MARKING

			646.0843.S GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH LF	
LOCATION	LOG MILE	Mile		REMARKS
US 41		15		
From: Frog Pond Rd	108.20			
To: Kamm/Kasal Rd	123.00			
North Bound				Slotted Turn Gores/Right Turn
Maple Grove School Rd			1,570	Lt/Rt Turns
CTH A			435	Rt Turn
CTH A/Sunrise La			1,555	Lt/Rt Turns
Woodview Rd			1,600	Lt/Rt Turns
Lafortune La			460	Lt Turn
CTH W			905	Lt/Rt Turns
Votava La			445	Lt Turn
Fifrick La			900	Lt/Rt Turns
Drees Rd			870	Lt/Rt Turns
Rodney La			425	Rt Turn
CTH M			880	Lt/Rt Turns
Koronkiewicz La			445	Rt Turn
Kasal Ln/Kamm Rd			1,680	Lt/Rt Turns
South Bound				Slotted Turn Gores/Right Turn
Kasal Ln/Kamm Rd			2,540	Lt/Rt Turns/Acceleration Ln
Koronkiewicz La			445	Lt Turn
CTH M			880	Lt/Rt Turns
Rodney La			440	Lt Turn
Drees Rd			880	Lt/Rt Turns
Fifrick La			900	Lt/Rt Turns
Votava La			345	Rt Turn
CTH W			900	Lt/Rt Turns
Lafortune La			445	Rt Turn
Woodview Rd			1,560	Rt Turn
CTH A/Sunrise La			1,480	Lt/Rt Turns
CTH A			450	Lt Turn
Maple Grove School Rd			1,465	Lt/Rt Turns
TOTALS			24,900	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.0843.S GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH LF	REMARKS
US 141		23.00		
From: US 41/US 141	12.00			Abrams
To: STH 64	35.50			STH 64
North Bound				Slotted Turn Gores/Right Turn
Forest Lake Ln			110	Lt Turn
Norway Woods Ln			230	Lt/Rt Turns
Liegeois Rd			415	Lt/Rt Turns
East Stiles Tower Rd			135	Lt Turn
Kruegers Quarry Rd			425	Lt/Rt Turns
Timberline Rd			200	Lt Turn
Chicken Shack Rd			200	Lt/Rt Turns
CTH I/Stiles Rd			510	Lt/Rt Turns
STH 22			460	Exit Gore
STH 22			1,115	Enter Gore
Mc Carthy Rd			400	Lt/Rt Turns
Lemere Rd			835	Lt/Rt Turns
Median Crossover			85	Median
CTH A			585	Exit Gore
CTH A			1,350	Enter Gore
Old 141 Rd			545	Median
Kottzk Rd			770	Lt/Rt Turns
RxR			1,740	Rt Lane @ RxR Acceleration/Deceleration Lane
Sunny Brook Rd			1,000	Lt/Rt Turns
CTH M			1,035	CTH M Lt/Rt Turns (South Jct)
Benser Ln			595	Lt/Rt Turns
CTH M			600	Lt/Rt Turns CTH M (North Jct)
W 8th Rd			280	Median
CTH B			700	Exit Gore
CTH B			1,540	Enter Gore
RxR			1,935	Rt Lane @ RxR Acceleration/Deceleration Lane
South Bound				Slotted Turn Gores/Right Turn
SUB-TOTALS			17,795	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.0843.S GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH LF	REMARKS
RxR			1,935	Rt Lane @ RxR Acceleration/Deceleration Lane
CTH B			700	Exit Gore
CTH B			1,625	Enter Gore
W 8th Rd			265	Rt Turn
CTH M			500	Lt Turn CTH M (North Jct)
Benser Ln			350	Lt Turn
CTH M			415	CTH M Lt/Rt Turns (South Jct)
Sunny Brook Rd			1,000	Rt Turn
RxR			1,920	Rt Lane @ RxR Acceleration/Deceleration Lane
CTH A			730	Exit Gore
CTH A			1,375	Enter Gore
Guelig Rd			400	Rt Turn
Lemere Rd			800	Lt/Rt Turns
Mc Carthy Rd			385	Lt/Rt Turns
STH 22			525	Exit Gore
STH 22			1,210	Enter Gore
CTH I/Stiles Rd			765	Lt/Rt Turns
Chicken Shack Rd			265	Lt/Rt Turns
Timberline Rd			430	Lt/Rt Turns
Kruegers Quarry Rd			195	Lt Turn
East Stiles Tower Rd			200	Lt Turn
Liegeois Rd			200	Lt Turn
Norway Woods Ln			195	Lt/Rt Turns
Forest Lake Ln			195	Lt/Rt Turns
US 41/US 141 Interchange				US 41/US 141 Gores @ Interchange
USH 141 South Bound			530	Gore @ Split US 41 North US 41/141 South
USH 141 South Bound			1,575	Gore @ Merge US 41 South US 141 South
USH 41/141 North Bound			1,165	Gore @ Split USH 141 North USH 41 North Bound
USH 141 North Bound			1,235	Gore @ Merge/On Ramp from USH 141 South Bound
USH 41 South Bound			370	Split USH 41 South Bound USH 141 North Bound
USH 41 North Bound			1,250	Gore @ Merge South US 141 South
SUB-TOTALS			22,705	

TOTALS

40,500

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.0841.S GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH LF	646.0843.S GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH LF	REMARKS
STH 57					
From: Jct STH 57/54	28.65	13.00			1,060 Feet South of Jct STH 54
To: South Jct STH 42/57	41.65				End @ Tape 1 mi north of CTH X (Kewaunne Co)
North Bound					
Lane Line Tape			17,520		Begin Tape 1,060 Feet South of Jct STH 54
Exit Gore				875	Exit Ramp STH 54 East Bound
Enter Gore				830	Enter Ramp from STH 54 West Bound
Church Rd				530	Rt/Lt Turns
Van Lanen Rd				370	Rt/Lt Turns
CTH K				530	Rt/Lt Turns
North Jct CTH K				210	Lt Turn
Quarry Rd				210	Lt Turn
Wequiock Rd				420	Rt/Lt Turns
CTH A/T				530	Rt/Lt Turns
Gravel Pit Rd				345	Rt/Lt Turns
Exit Gore				580	Exit Gore CTH P/DK
Enter Gore				1,630	Enter Gore CTH P/DK
Macco Rd				1,535	Rt/Lt Turns
CTH X				1,590	Rt/Lt Turns
County Line Rd				1,545	Rt/Lt Turns
CTH D				660	Rt/Lt Turns
CTH Y				1,520	Rt/Lt Turns
Tru way Rd				660	Rt/Lt Turns
CTH C				1,010	Rt/Lt Turns
School Rd				670	Rt/Lt Turns
SUB-TOTALS			17,520	16,250	CONTINUED ON NEXT PAGE

PAVEMENT MARKING

			646.0841.S GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH LF	646.0843.S GROOVED WET REFLECTIVE CONTRAST TAPE 8-INCH LF	
LOCATION	LOG MILE	Mile			REMARKS
CTH H				695	Rt/Lt Turns
Stevenson Pier Rd				745	Rt/Lt Turns
School Dr				285	Rt/Lt Turns
Clover Leaf Rd				1,130	Rt/Lt Turns
CTH DK/Stone Rd				930	Rt/Lt Turns
Jct STH 42				780	South Junction STH 42
South Bound					
Lane Line Tape			18,000		Begin Tape 1 mi north of CTH X (Kewaunne Co)
CTH DK/Stone Rd				945	Rt/Lt Turns
Clover Leaf Rd				1,195	Rt/Lt Turns
School La				625	Lt Turn
Stevenson Pier Rd				770	Rt/Lt Turns
CTH H				850	Rt/Lt Turns
School Rd				670	Rt/Lt Turns
CTH C				1,020	Rt/Lt Turns
Tru way Rd				705	Rt/Lt Turns
CTH Y				1,535	Rt/Lt Turns
CTH D				660	Rt/Lt Turns
County Line Rd				1,660	Rt/Lt Turns
CTH X				660	Rt/Lt Turns
Macco Rd				885	Rt/Lt Turns
CTH P/DK				626	Exit Gore CTH P/DK
CTH P/DK				950	Enter Gore CTH P/DK
Gravel Pit Rd				550	Rt/Lt Turns
CTH A/T				325	Rt/Lt Turns
Wequiock Rd				440	Rt/Lt Turns
Quarry Rd				195	Lt Turn
N Jct CTH K				215	Lt Turn (CTH K West)
S Jct CTH K				590	Lt Turn (CTH K West)
Van Lanen Rd				450	Rt/Lt Turns
Church Rd				435	Rt/Lt Turns
Exit Gore				850	Exit Gore
Enter Gore				1,940	Enter Gore
SUB-TOTALS			18,000	24,311	
TOTLAS			35,520	40,561	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.0106		647.0803	REMARKS
			EPOXY 4-INCH SOLID WHITE LF	SOLID YELLOW LF	Aerial Enforcement Epoxy 24-Inch L.F.	
IH 43		16.00				
From: STH 310/USH 10 west	43.90					
To: STH 96	60.00					South Ramps
North Bound			78,600	85,200		Mainline Edge lines
Exit Ramp STH 310/10			1,850	1,300		Exit Ramp Edge lines
Entrance Ramp STH 310/10			2,360	1,040		Entrance Ramp Edge lines
Aerial Enforcement Bars					36	3 Sets CTH V Entrance Ramp
Exit Ramp CTH V			1,735	1,245		Mini dash @ Exit Ramp Edge lines
Entrance Ramp CTH V			2,300	1,050		Entrance Ramp Edge lines
Exit Ramp CTH K			1,750	1,280		Mini dash @ Exit Ramp Edge lines
Entrance Ramp CTH K			2,500	1,120		Entrance Ramp Edge lines
Aerial Enforcement Bars					60	5 Sets 1.3 mi N of CTH K
Exit Ramp STH 147/CTH Z			1,845	1,345		Mini dash @ Exit Ramp Edgelines/Island Gore
Entrance Ramp STH 147/CTH Z			2,570	1,135		Entrance Ramp Edge lines
South Bound			78,600	85,200		Mainline Edge lines
Exit Ramp STH 147/CTH Z			1,835	1,335		Exit Ramp Edge lines
Entrance Ramp STH 147/CTH Z			2,500	1,140		Entrance Ramp Edge lines
Aerial Enforcement Bars					60	5 Sets 1.3 mi N of CTH K
Exit Ramp CTH K			1,620	1,150		Exit Ramp Edge lines
Entrance Ramp CTH K			2,400	1,210		Entrance Ramp Edge lines
Aerial Enforcement Bars					36	3 Sets CTH V Entrance Ramp
Exit Ramp CTH V			1,725	1,235		Exit Ramp Edge lines
Entrance Ramp CTH V			2,300	1,010		Entrance Ramp Edge lines
Exit Ramp STH 310/10			1,580	1,090		Exit Ramp Edge lines
SUB-TOTALS			188,070	188,085		
TOTALS			376,155		192	

PAVEMENT MARKING SUMMARY

LOCATION	LOG MILE	MILE	646.0106 EPOXY 4-INCH		646.0126	647.0566	647.0110	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	86,100				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	88,000				
TOTAL			192,225		2,495	150	2	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.0106		646.0126	647.0566	REMARKS
			SOLID WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	STOP LINE EPOXY 18-INCH LF	
STH 55		12.00					
From: Jct USH 151	0.00						Wayside
To: STH 114	11.85						South Jct STH 114 Sherwood
North Bound			57,000	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			57,000				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			114,000	54,000			
TOTALS			168,000		1,955	125	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.0106		646.0126	REMARKS
			SOLID WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	
STH 64		7.00				
From: CTH E	37.60					West Jct CTH E
To: STH 180	44.60					Marinette
East Bound			35,450	21,465		Center Line/Rt Edge line
Brosig Rd					100	Rt Turn
Boneham Addition Rd					100	Rt Turn
Cleveland Ave					150	Rt Turn
West Bound			36,380			Rt Edge line
CTH RW					100	Rt Turn
River Rd					100	Rt Turn
Sandberg Rd					100	Rt Turn
SUB-TOTALS			71,830	21,465		
TOTAL			93,295		650	

PAVEMENT MARKING

STH 96	LOG MILE	Mile	646.0106 EPOXY 4-INCH			646.0126 EPOXY 8-INCH LF	647.0166 Arrows Epoxy Type 2 Each	647.0356 words Epoxy ONLY Each	647.0566 STOP LINE EPOXY 18-INCH LF	647.0526 Yield Line Symbols Epoxy Each	647.0406 Bike Lane words Epoxy Each	647.0206 Bike Lane Arrows Epoxy Each	647.0306 Bike Lane Symbols Epoxy Each	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF									
From: CTH E	18.10	3.00												Appleton
To: Little Chute	20.75													Little Chute @ Adams St
East Bound			13,500	20	34,720									Edge Line/Dashed Edge line/Center Line
Bike Lane Marking											6	16	16	words/Arrows/Symbols
Leona St						100								Lt Turn Lane
N French Point Rd						100								Lt Turn Lane
Washington St						100								Lt Turn Lane
Rt Edge Line						425								8 inch Pushover/Guard rail to Adam St
West Bound			13,520	20										Edge Line/Dashed Edge line
Bike Lane Marking											3	9	9	words/Arrows/Symbols
Fox Point						100								Left Turn
French Rd						100								Left Turn
Potato Point Rd						100								Left Turn
Green Grove						100								Left Turn
Grandview						100								Left Turn
CTH E						175	2	2	25	9				Rt/Lt Turn/Special Marking
SUB-TOTALS			27,020	40	34,720									
TOTALS				61,780		1,400	2	2	25	9	9	25	25	

3

3

PAVEMENT MARKING

STH 96	LOG MILE	Mile	646.0106 EPOXY 4-INCH			646.0126	647.0166	647.0356	647.0566	647.0110	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	RAILROAD CROSSING EPOXY EACH	
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	1	1			Rt Turn/Special Marking
North Westhill Blvd				35		320	2	2			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			50		Rt Turn/ Add stop bar for cross walk
Wilharms Dr						100					Lt Turn
TWTL					2,245						Two Way Turn Lane
North Perkins St						260			35		Lt Turn/Retrace Stop Bar
North Badger Ave						320	2	2			Rt Turn/Special Marking
Rail Crossing										3	3 Lanes/3 Symbols/1 Each Lane
North Badger Ave									25		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	3	3			Lt Turn
Wendy's/Arbys						100					Lt Turn
Lt Turn Median						400					Median Lt Turn
Rt Turn						325	3	2			Rt Turn I 41 North Bound
SUB-TOTALS			0			4,035	6,470				
TOTALS			10,505			4,615	11	10	110	3	

PAVEMENT MARKING

STH 96	LOG MILE	Mile	646.0106 EPOXY 4-INCH		646.0126	647.0166	647.0356	REMARKS
			SOLID WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	Arrows Epoxy Type 2 EACH	words Epoxy (Only) EACH	
From: Shanty Rd	30.60	3.00						Wrightstown
To: Greenleaf	33.37							Jct STH 32/STH 57 Greenleaf
East Bound			14,000	17,000				Edge Line/Center Line
West Bound			14,375					Edge Line
Elmro Rd					150			Rt Turn
Shanty Rd					370	2	2	Lt Turn
SUB-TOTALS			28,375		17,000			
TOTALS			45,375		520	2	2	

PAVEMENT MARKING

STH 96	LOG MILE	Mile	646.0106 EPOXY 4-INCH			646.0126 EPOXY 8-INCH	647.0166 Arrows Epoxy Type 2 Each	647.0356 Words Epoxy ONLY Each	647.0566 STOP LINE EPOXY 18-INCH LF	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF					
From: STH 76	10.00	4.00								
To: USH 41 East Ramps	13.60									
East Bound			17,000		13,600					Lane Line/Center Line
Glenview Dr				65						Bypass Lane
Pebble Ridge Rd				100						Bypass Lane
Craftsman/Edeavour Dr						320				Rt/Lt Turn
Begin Divided				3,420						Begin Divided to East Ramps I 41
Towerview Dr						220				Lt Turn
CTH CB						975				Lt Turn Gore/Rt Turn
Communication Dr						100				Rt Turn
North Mayflower Dr						1,075				Lt Turn Gore/Rt Turn
North Mc Carthy Rd						1,000				Lt Turn Gore/Rt Turn
North Casaloma						485				Lt Turn Gore/Rt Turn
CTH GV						200			50	Lt/Rt Turn/Stop Bar
Jct I 41						545				Lt/Rt Turn/I 41 SB Ramp Island Gore
I 41 North Bound						260	2	2		Lt Turn I 41 NB/Special Marking
West Bound			17,300	3,420						Lane Line/Edge Line
I 41 South Bound						260	2	2		Lt Turn I 41 South Bound/Special Marking
Frontage Rd						60				Rt Turn To Frontage Rd
CTH GV						805				Rt Turn/Island Gore/Lt Island Gore
North Casaloma						365			25	Lt Turn Island Gore/Stop Bar/Rt Turn
North Mc Carthy Rd						1,030				Lt Turn Gore/Rt Turn
Flight Line Drive						100				Median Lt Turn
North Mayflower Dr						1,000				Lt Turn Gore/Rt Turn
Communication Dr						100				Lt Turn
CTH CB						1,045				Lt Turn Gore/Rt Turn
Towerview Dr						200				Rt Turn Lane
Craftsman/Edeavour Dr						435				Lt/Rt Turn
Pebble Ridge Rd						200				Rt Turn
Glenview Dr						100				Rt Turn
Chaska Golf Course				50						Bypass Lane
Jct STH 76						825	4	2	50	Lt Turn Gore/Special Marking/Stop Bar
SUB-TOTALS			34,300	7,055	13,600					
TOTALS				54,955		11,705	8	6	125	

PAVEMENT MARKING

STH 96	LOG MILE	Mile	646.0106 EPOXY 4-INCH			646.0126	647.0110	647.0166	647.0356	647.0566	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	RAILROAD CROSSING EPOXY EACH	Arrows Epoxy Type 2 Each	Words Epoxy ONLY Each	STOP LINE EPOXY 18-INCH LF	
From: USH 45	0.00	10.00									
To: STH 76	10.00										
East Bound			44,600		54,500						
Rail Crossing							1				Dale
Industrial Dr						100					Rt Turn
Midway Rd				90							Bypass Lane
Greendale Rd						100					Rt Turn
Brookview Rd						100					Rt Turn
Manley Rd				100							Bypass Lane
Island Dr						100					Rt Turn
North Rd						100					Rt Turn
Fox Springs Rd				90							Bypass Lane
Julius Dr						100					Rt Turn
Jct STH 76						360		2	1	50	West side of Intersection
West Bound			44,000								
Cleary Rd						100					Rt Turn
Julius Dr						200					Rt Turn
Fox Springs Rd						100					Rt Turn
Lakeview Lane						150					Rt Turn
North Rd						100					Rt Turn
Manley Rd						100					Rt Turn
Midway Rd						100					Rt Turn
Rail Crossing							1				Dale
USH 45						370					Rt Turn
SUB-TOTALS			88,600	280	54,500						
TOTALS				143,380		2,180	2	2	1	50	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.0106 EPOXY 4-INCH		646.0126	REMARKS
			SOLID WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	
STH 147		13.00				
From: CTH V V	2.00					Two Rivers
To: West Ramps IH 43	15.00					West Ramps IH 43
North Bound			59,200	77,000		Edge Lines/Center Line
Jct IH 43					100	IH 43 South Bound Left Turn Bay
South Bound			59,450			Edge Line
Begin Divided						Upgrade Median Island Marking
Jct IH 43					100	IH 43 North Bound Left Turn Bay
SUB-TOTALS			118,650	77,000		
TOTALS				195,650	200	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.0106 EPOXY 4-INCH			646.0126	647.0110	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	Rail Road Crossing Epoxy Each	
STH 310		7.00						
From: IH 43 West Ramps	0.25							Jct IH 43 West Ramps
To: Two Rivers	7.45							Columbus St
East Bound			36,500	500	28,100			Edge Line/Center Line/Lane Line
Left Edge Lines					4,800			Round-About/Divided Section
IH 43 North Bound						100		Right Turn
Wagon Wheel Rd						100		Right Turn
Rail Crossing							1	Rail Road Symbol
West Bound			36,500					Edge Line/Lane Line
Left Edge Lines					4,225			Round-About/Divided Section
Browns Rd				65				Bypass Lane
Rail Crossing							1	
Woodland Dr						200		Right Turn
Wagon Wheel Rd						100		Right Turn
Begin Divided Section				600				Lane Line/Divided Section
IH 43 North Bound						100		Right Turn
IH 43 South Bound						100		Left Turn
SUB-TOTALS			73,000	1,165	37,125			
TOTAL				111,290		700	2	

PAVEMENT MARKING

USH 10	LOG MILE	Mile	646.0106 EPOXY 4-INCH			646.0126	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	
From:IH 43	58.40	2.00					IH 43 West Ramps
To: CTH R	59.95						Jct CTH R
East Bound			8,000	2,050	8,000		Edge Lines/Lane Line
IH 43						100	Lt Turn IH 43 NB
Schisel Ln						100	Lt Turn Schisel Ln
CTH R						100	Lt Turn CTH R
West Bound			8,000	2,050	8,000		Edge Lines/Lane Line
Schisel Ln						100	Lt Turn Schisel Ln
IH 43 North Bound						100	Rt Turn IH 43 NB
IH 43 South Bound						300	Lt Turn IH 43 SB
SUB-TOTALS			16,000	4,100	16,000		
TOTALS				36,100		800	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.0106 EPOXY 4-INCH			646.0126	647.0166	647.0566	647.011	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	Arrows Epoxy Type 2 Each	STOP LINE EPOXY 18-INCH LF	RAILROAD CROSSING EPOXY EACH	
USH 141		4.50								
From: IH 43 South Ramps	0.00									South Ramps IH 43
To: Guns Rd	4.55									Stop light @ Guns Rd/Manitowoc Rd
North Bound			18,000		22,400					Edge Line/ Center Line
IH 43 South Bound On Ramp						100				Left Turn IH 43 South Bound
Jct CTH R						165		50		Island Gore/Right Turn/Stop Bars
Jct STH 29						200		45		Right Turn/Stop Bars on STH 29
Glenmore Rd						100				Right Turn
Santa Monica				75						Bypass Lane
Klondike Rd						100				Right Turn
RAB										ALLOUEZ AVE
Continental Drive						235	1			Lt/Rt Turns/Arrow Island Gore
Begin Divided				1,770						Lane Line
Median						100				Median Lt Turn
Fleet Farm						100				Median Lt Turn
Fleet Farm						100				Median Lt Turn
RAB										JJ/VERLIN
Median						50				Median Lt Turn
Rail Crossing									2	
Pecan St						150				Lt Turn
Guns Rd						150				Lt Turn
South Bound			18,000	1,770						Edge Line
Pecan St						100				Lt Turn
Rail Crossing									2	
Median						100				Lt Turn
RAB										JJ/VERLIN
Fleet Farm						235				Rt Turn
Fleet Farm						200				Rt Turn
Business						165				Rt Turn
Continental Drive						320	3			Left/Right Turns/Arrows
RAB										ALLOUEZ AVE
Bel Meadow Dr						100				Right Turn
Santa Monica						220				Right Turn
Apple Ridge						100				Right Turn
Glenmore Rd						100				Right Turn
STH 29 North Jct				150						Bypass
IH 43/CTH MM						150				Right Turn
IH 43 North Bound						230				Right Turn IH 43 North Bound
IH 43 South Bound						100				Left Turn IH 43 South Bound
SUB-TOTALS			36,000	3,765	22,400					
TOTALS				50,000		3,670	4	95	4	

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.0106 SOLID YELLOW LF	REMARKS
USH 141		8.00		
From: CTH C	55.25			Wausaukee CTH C
To: CTH K	63.60			Amberg Jct CTH K
North Bound				
Center line			63,770	Center Line
LOCATION				
USH 141/8		8.00		
From: CTH R	24.08			Pembine
To: North Jct USH 141/USH 8	32.08			North Junction USH 141/USH 8
North Bound				
Center line			43,440	Center Line
LOCATION				
USH 141		2.00		
From: North Jct USH 141/USH 8	72.00			North Junction USH 141/USH 8
To: Niagara	74.00			Niagara
Center line			14,375	
LOCATION				
USH 8		2.20		
From: North Jct USH 141/USH 8	32.00			North Junction USH 141/USH 8
To: Michigan State Line	34.20			Michigan State Line
Center line			11,200	
TOTALS			132,785	

PAVEMENT MARKING

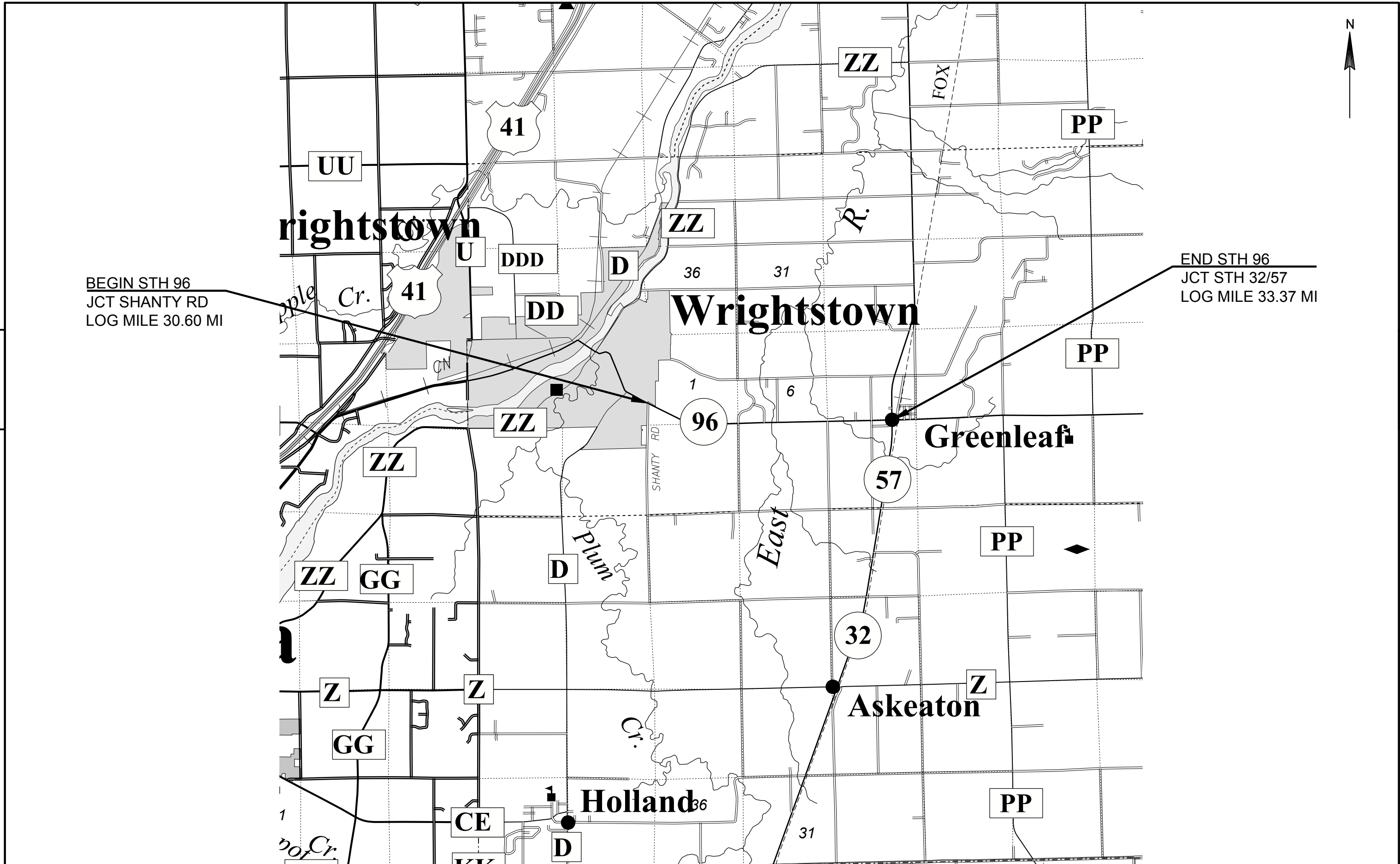
LOCATION	LOG MILE	Mile	646.0106 EPOXY 4-INCH			646.0126	647.0803	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	Aerial Enforcement Epoxy 24-inch LF	
USH 41 USH 141		9.50						
From: CTH B	89.01							Pavement Change 3,850 L.F. North of CTH B
To: Abrams	98.57							Pavement Change 950 L.F. North of Oak Orchard Overpass
North Bound								
Edge Lines			43,315		45,700			Right/Left Edge Lines
Exit Brown Road			1,775	50	1,230	675		Ramp Edge Lines/Exit Gore/Exit Dash
Enter Brown Road			2,500		990	1,585		Ramp Edge Lines/Enter Gore
Exit CTH S			1,745	50	1,200	675		Ramp Edge Lines/Exit Gore/Exit Dash
Enter CTH S			2,100		875	1,500		Ramp Edge Lines/Enter Gore
OFF RAMP TO HWY SCALE						675		Exit to Scale
On Ramp From Scale						1,630		Enter From Scale
Exit CTH D			1,850	50	1,365	575		Ramp Edge Lines/Exit Gore
Enter CTH D			2,350		1,165	1,250		Ramp Edge Lines/Enter Gore
South of Norfield Rd							60	North Bound Begin South of Norfield Rd Overpass 6 Sets
South Bound								
Edge Lines			39,750		45,100			Right/Left Edge Lines
Exit CTH D			1,395	50	1,865	585		Ramp Edge Lines/Exit Gore
Enter CTH D			2,340		1,165	1,025		Ramp Edge Lines/Enter Gore
OFF RAMP TO HWY SCALE			?		?	490		Exit to Scale
On Ramp From Scale			?		?	1,775		Enter From Scale
Exit CTH S			1,815	50	1,290	795		Ramp Edge Lines/Exit Gore
Enter CTH S			2,265		970	1,165		Ramp Edge Lines/Enter Gore
Exit Brown Road			1,800	50	1,270	650		Ramp Edge Lines/Exit Gore
Enter Brown Road			3,045		1,025	2,115		Ramp Edge Lines/Enter Gore
South of Norfield Rd							60	South of Norfield
SUB-TOTALS			108,045	300	105,210			
TOTALS			213,555			17,165	120	

PAVEMENT MARKING

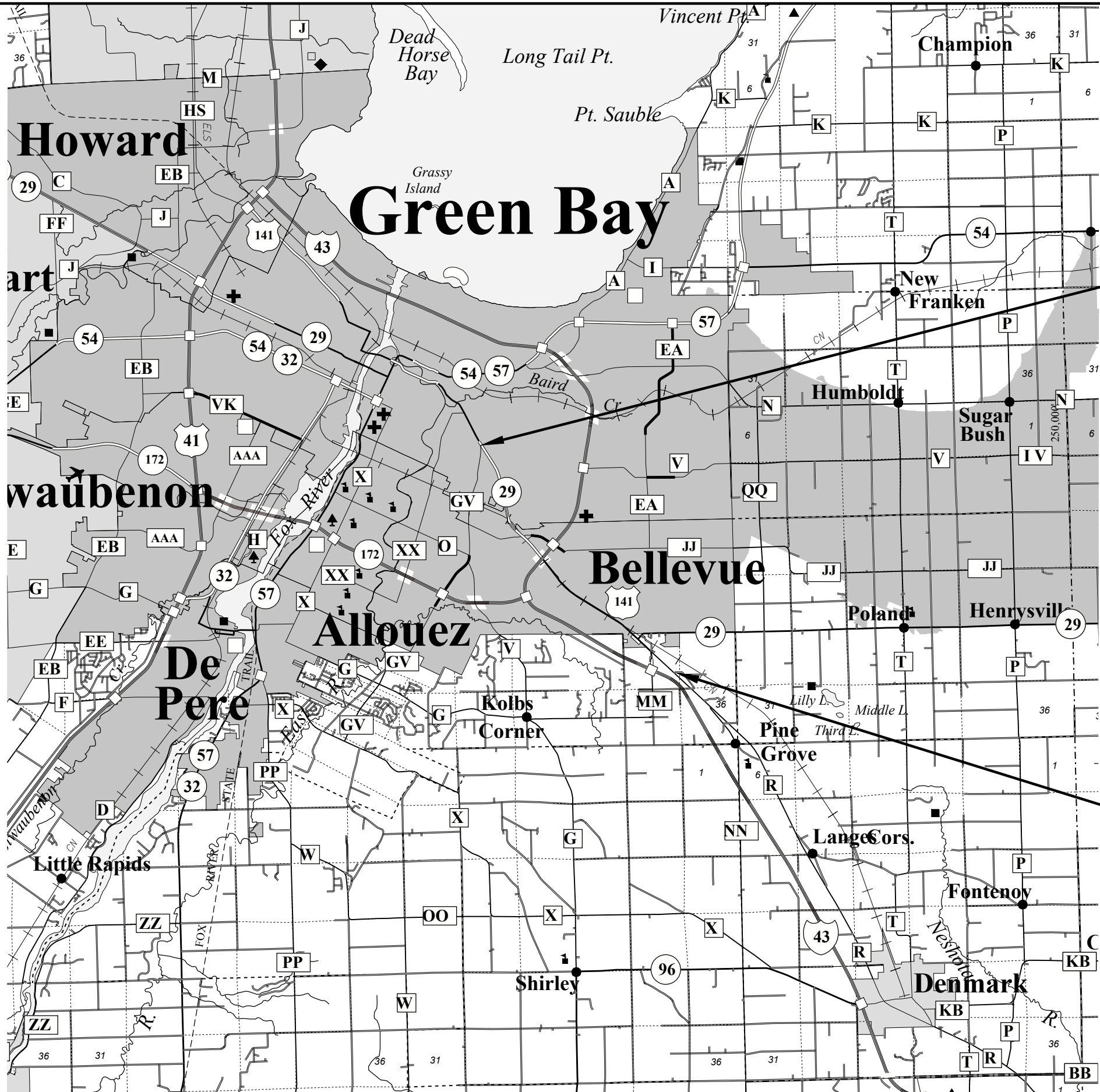
LOCATION	LOG MILE	Mile	646.0106 EPOXY 4-INCH			646.0126	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	
USH 151		11.00					
From: Calumet/FDL Co Line	33.65						Calumet South County Line
To: Chilton	45.00						Quinney Rd @ Pavement Change
North Bound			59,500		75,000		Edge Line/Center Line
Jefferson Rd						100	Right Turn
CTH C						100	Right Turn
E Harlow Rd				20			Mini Dash Edge Line
South Bound			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		
TOTALS			193,830			1,370	

PAVEMENT MARKING SUMMARY

LOCATION	LOG MILE	MILE	646.0106 EPOXY 4-INCH			646.0126 EPOXY 8-INCH	647.0166 ARROWS EPOXY TYPE 2 EACH	647.0356 WORDS EPOXY ONLY EACH	647.0566 STOP LINE EPOXY 18-INCH LF	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF					
USH 151		9.00								
From: CTH WH	24.60									1/4 Mi. N. of CTH WH @ Pvmnt Change
To: Calumetville	33.65									Fond du Lac/Calumet County Line
North Bound			48,575		38,150					Edge Line/Center Line
Kiekhaefer Pkwy						150				Right Turn
Deadwood Rd						100				Right Turn
Silica Rd						150				Right Turn
CTH Q						150				Right Turn
Gladstone Beach Rd				65						Bypass Lane
Fisherman's Rd				65						Bypass Lane
Johnsburg Rd						150				Right Turn
CTH W						100	1	1	35	Left Turn/Arrow/Only/Stop Bar
CTH HH						100				Right Turn
CTH HHH						100	1	1	30	Left Turn/Arrow/Only/Stop Bar
South Bound			48,750							Edge Line
CTH HHH						100	1	1	30	Left Turn/Arrow/Only/Stop Bar
CTH W						100	1	1	35	Left Turn/Arrow/Only/Stop Bar
Silica Rd				65						Bypass Lane
Minawa Beach Rd						150				Right Turn
Deadwood Rd						150				Right Turn
Kiekhaefer Pkwy				65						Bypass Lane
CTH WH						250	3	3	40	Rt/Lt Turns/Arrow/Only/Stop Bar
SUBTOTAL			97,325	260	38,150					
TOTAL			135,735			1,750	7	7	170	



PROJECT NO: 1009-33-30	HWY: STH 96	COUNTY: BROWN	PAVEMENT MARKING LOCATION MAP	SHEET	E
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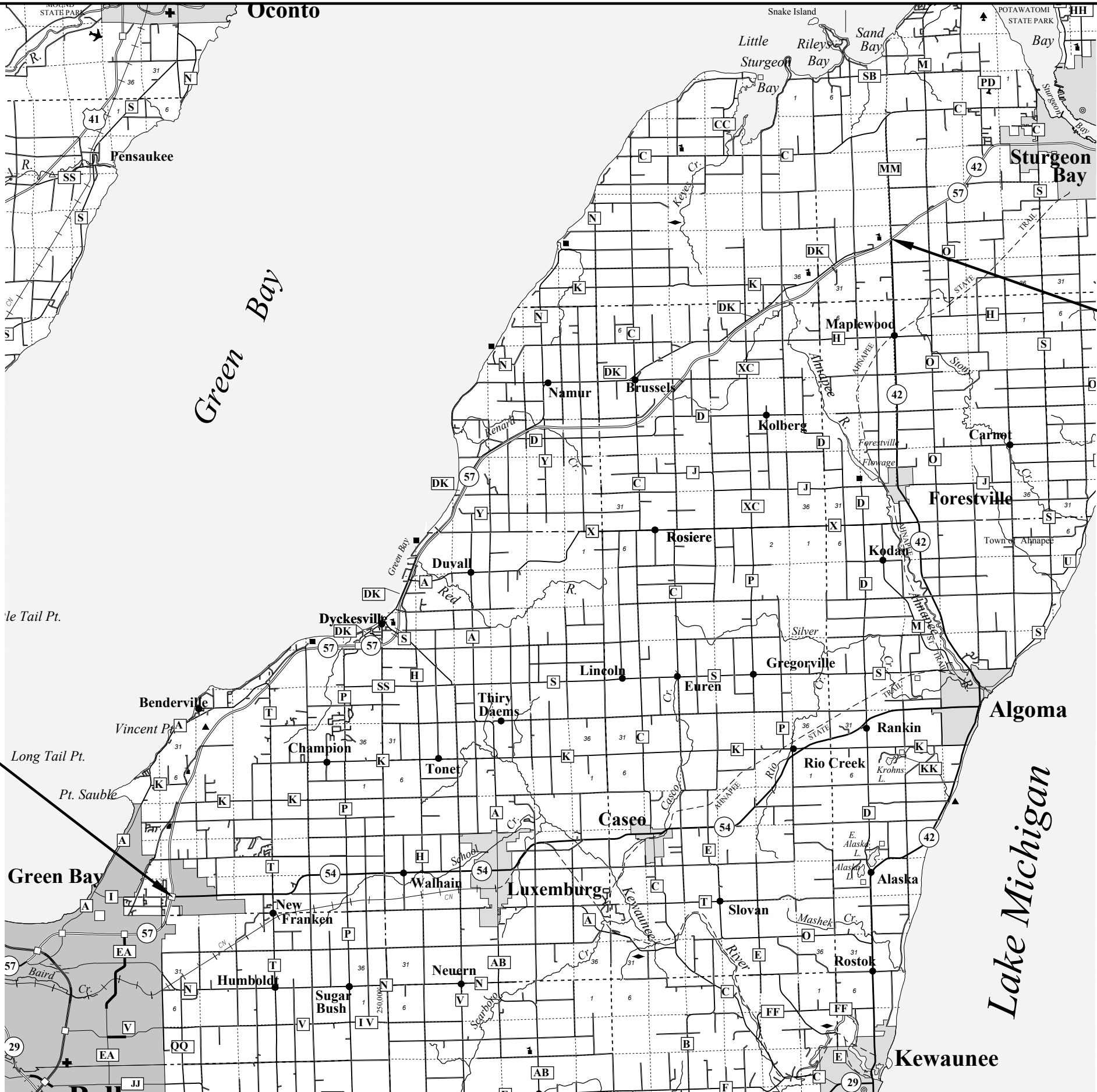
END USH 141
@ GUNS RD
LOG MILE 4.55 MI

BEGIN USH 141
JCT IH 43
LOG MILE 0.00 MI

5

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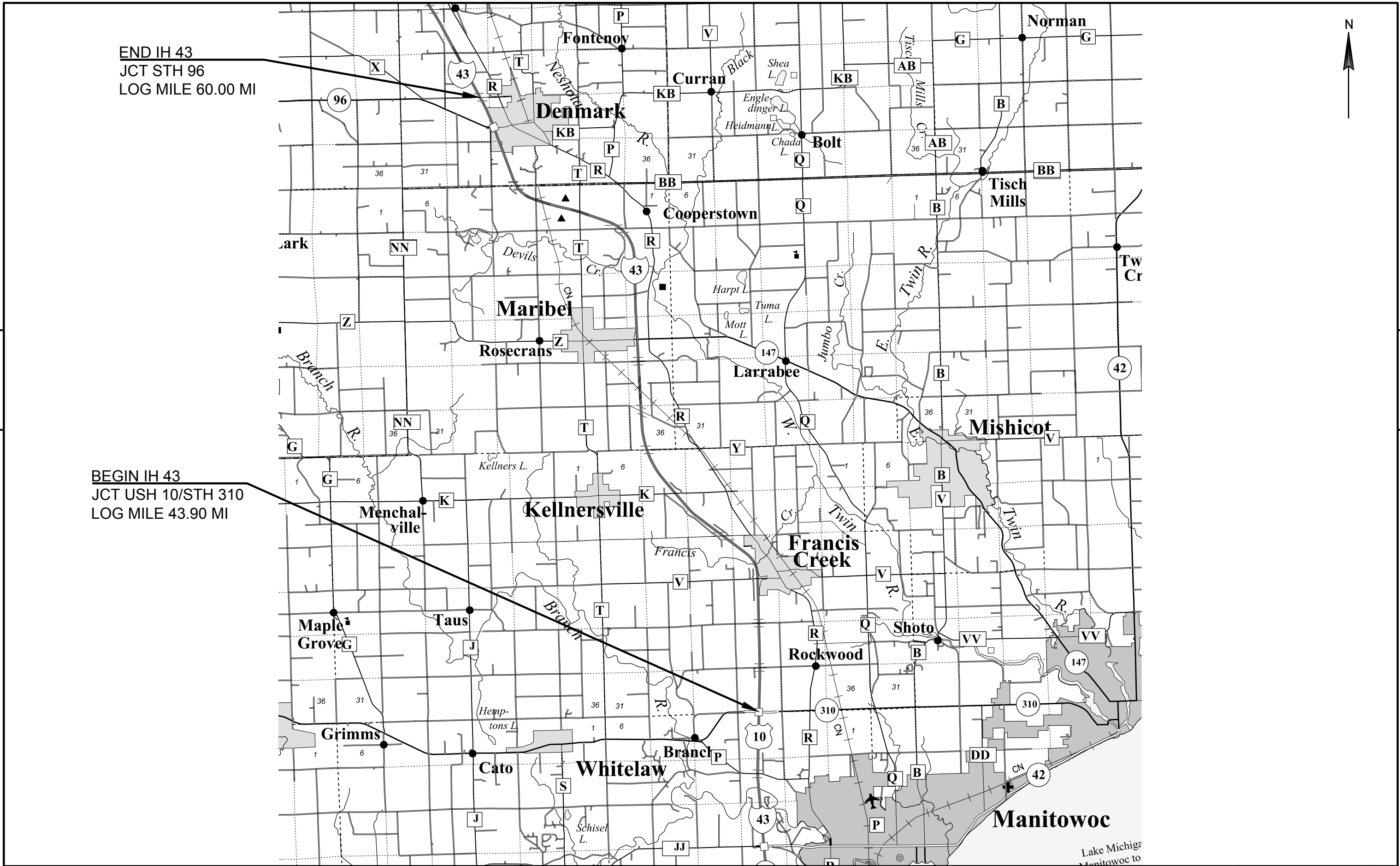
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BEGIN STH 57
JCT STH 54
LOG MILE 28.65 MI

END STH 57
JCT STH 42/57
LOG MILE 57.82 MI

PROJECT NO: 1009-33-30	HWY: STH 57	COUNTY: BROWN/KEWAUNEE/DOOR	PAVEMENT MARKING LOCATION MAP	SHEET	E
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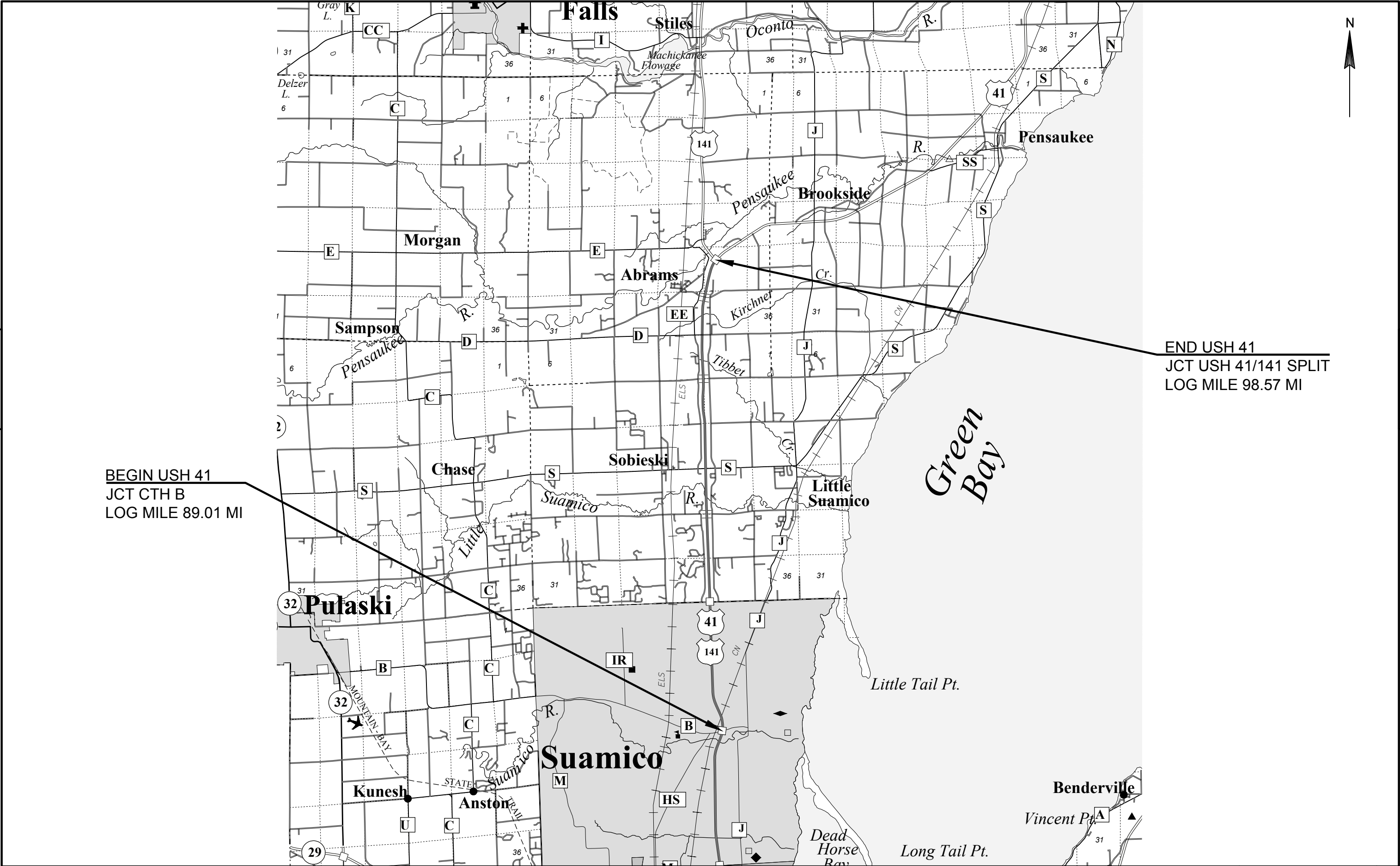
PROJECT NO: 1009-33-30	HWY: IH 43	COUNTY: BROWN/MANITOWOC	PAVEMENT MARKING LOCATION MAP	SHEET	E
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BEGIN USH 41
JCT CTH B
LOG MILE 89.01 MI

END USH 41
JCT USH 41/141 SPLIT
LOG MILE 98.57 MI



PROJECT NO: 1009-33-30	HWY: USH 41	COUNTY: BROWN/ONTO	PAVEMENT MARKING LOCATION MAP	SHEET	E
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*Lake
Winnebago*

Calumetville

Pipe

Johnsburg

Malone

St. Peter

Peebles

Sheboygan

END USH 151
JCT FDL/CALUMET
COUNTY LINE
LOG MILE 33.65 MI

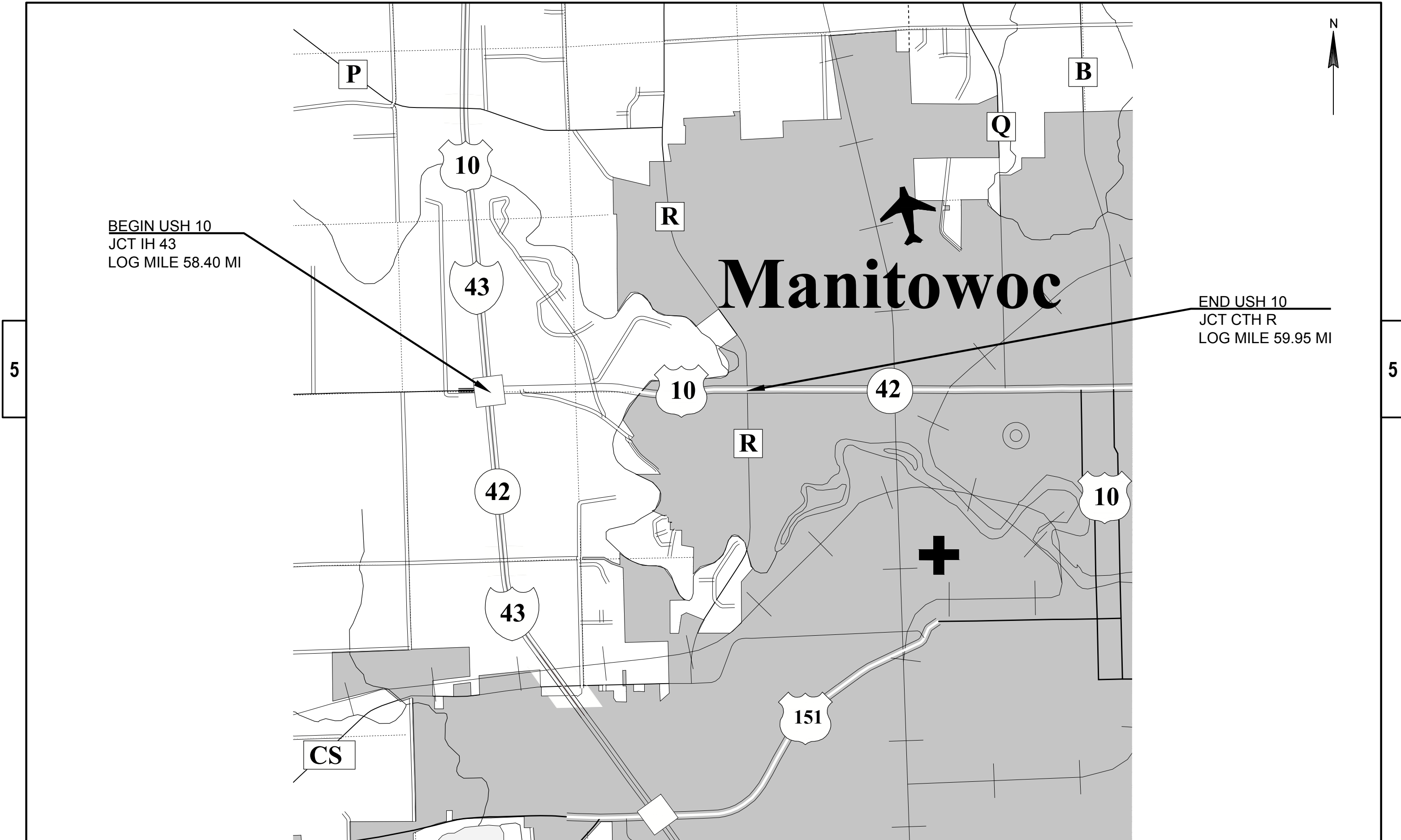
BEGIN USH 151
JCT CTH WH
LOG MILE 24.60 MI



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PROJECT NO: 1009-33-30	HWY: USH 151	COUNTY: FOND DU LAC	PAVEMENT MARKING LOCATION MAP	SHEET	E
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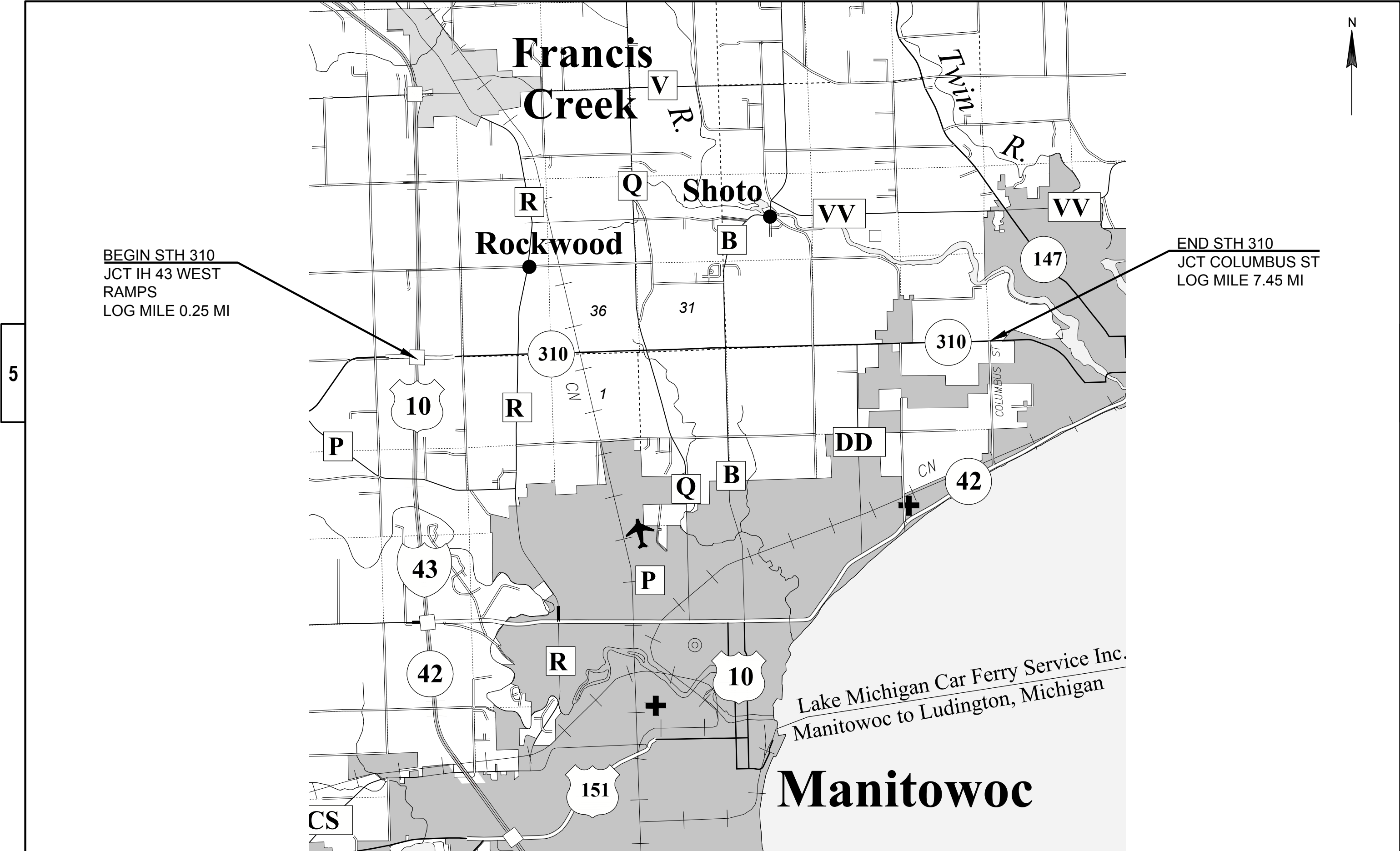


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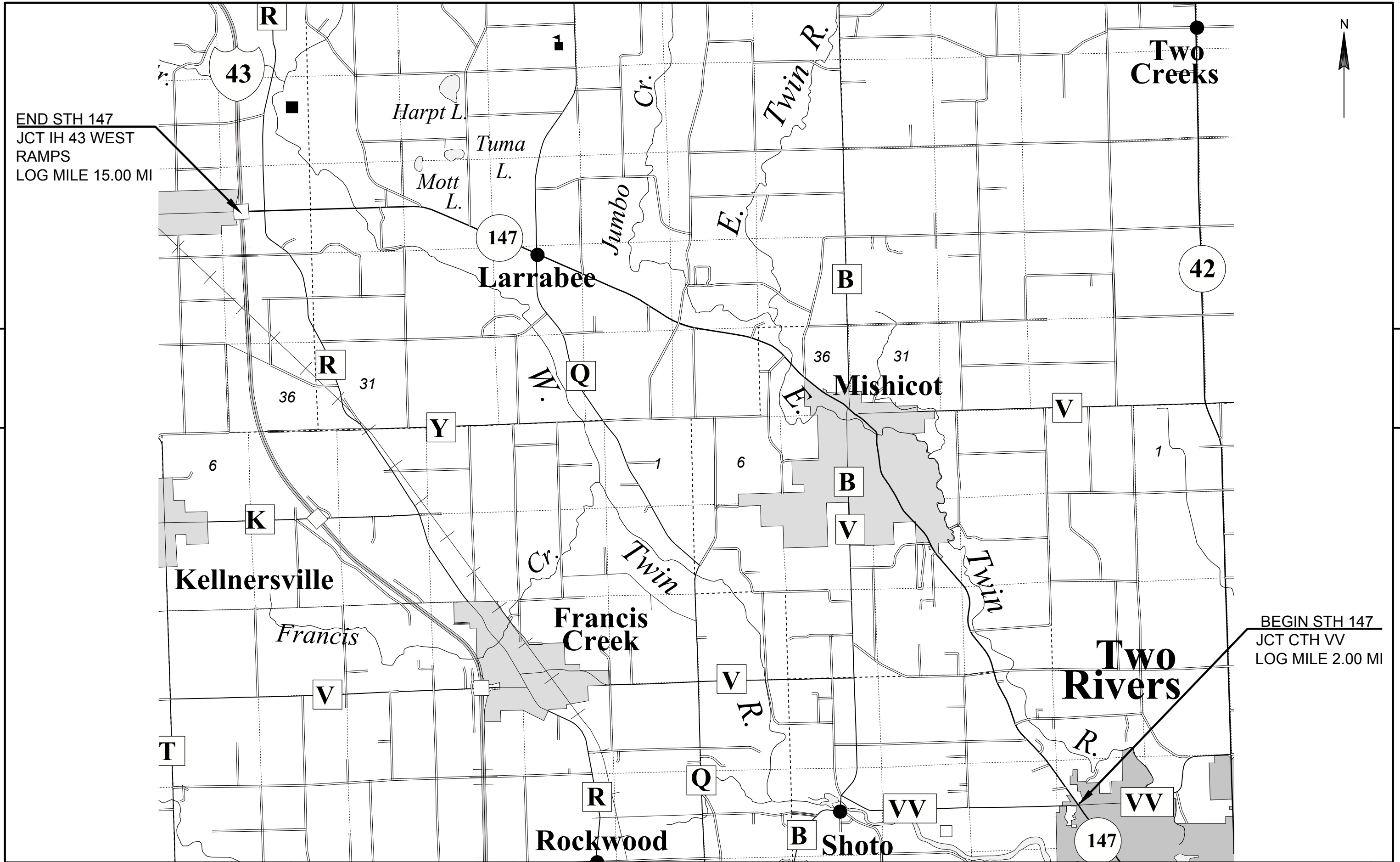
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BEGIN STH 310
JCT IH 43 WEST
RAMPS
LOG MILE 0.25 MI

END STH 310
JCT COLUMBUS ST
LOG MILE 7.45 MI



PROJECT NO: 1009-33-30	HWY: STH 310	COUNTY: MANITOWOC	PAVEMENT MARKING LOCATION MAP	SHEET	E
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END STH 147
JCT IH 43 WEST
RAMPS
LOG MILE 15.00 MI

BEGIN STH 147
JCT CTH VV
LOG MILE 2.00 MI

PROJECT NO: 1009-33-30	HWY: STH 147	COUNTY: MANITOWOC	PAVEMENT MARKING LOCATION MAP	SHEET	E
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END USH 141/USH 8
N JCT USH141/USH 8
LOG MILE 32.08 MI

STATE OF MICHIGAN

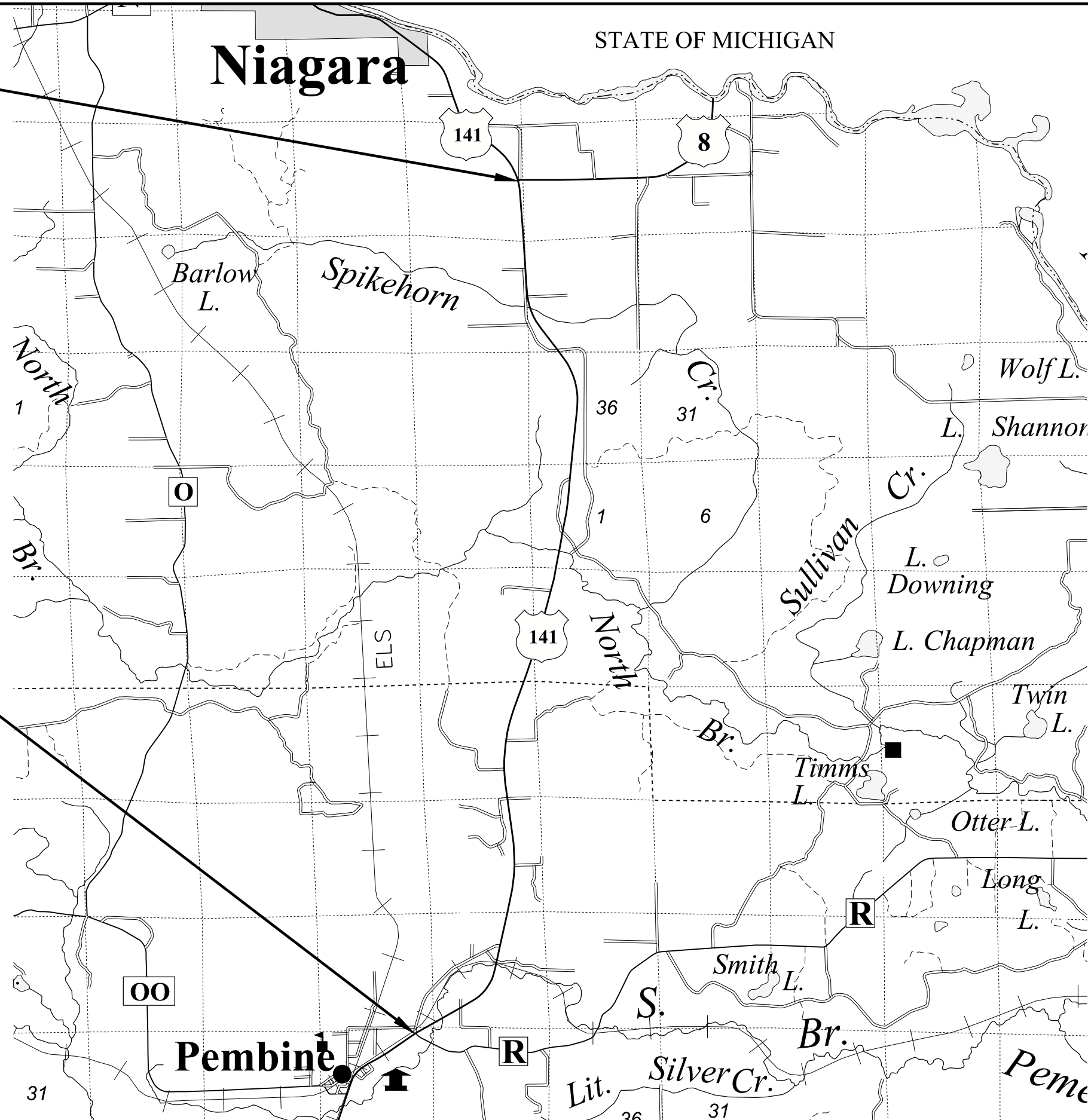
Niagara



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BEGIN USH 141/USH 8
JCT CTH R
LOG MILE 24.08 MI



Pembine

PROJECT NO: 1009-33-30

HWY: USH 141

COUNTY: MARINETTE

PAVEMENT MARKING LOCATION MAP

SHEET

E

FILE NAME : F:\D3_100933\10093330\050214-PN.DWG
LAYOUT NAME - 050214-pn

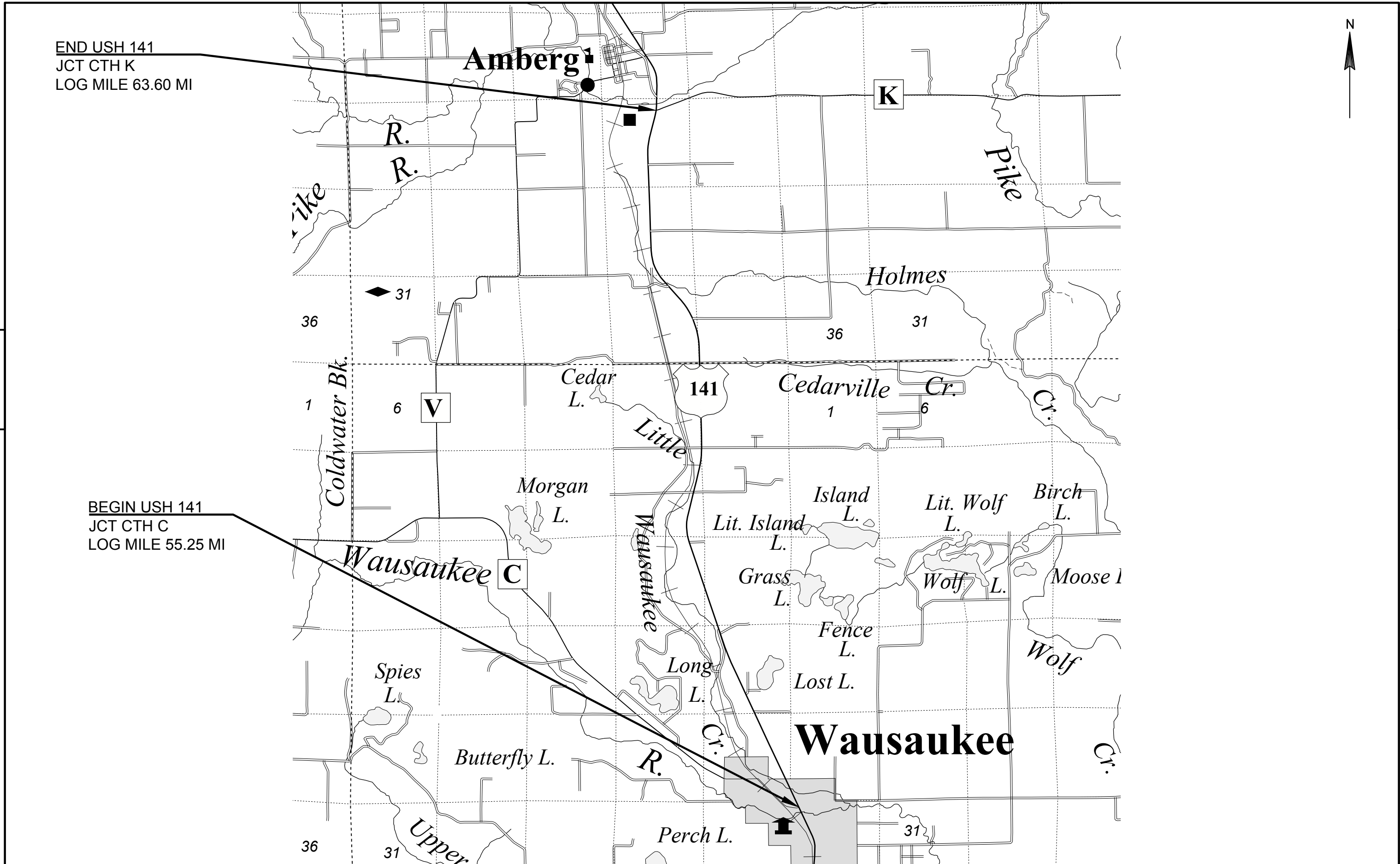
PLOT DATE : 11/29/2016 7:41 AM

PLOT BY : SMITH, JENNIFER B

PLOT NAME :

PLOT SCALE : 1 IN:1 MI

WISDOT/CADDs SHEET 44



PROJECT NO: 1009-33-30	HWY: USH 141	COUNTY: MARINETTE	PAVEMENT MARKING LOCATION MAP	SHEET	E
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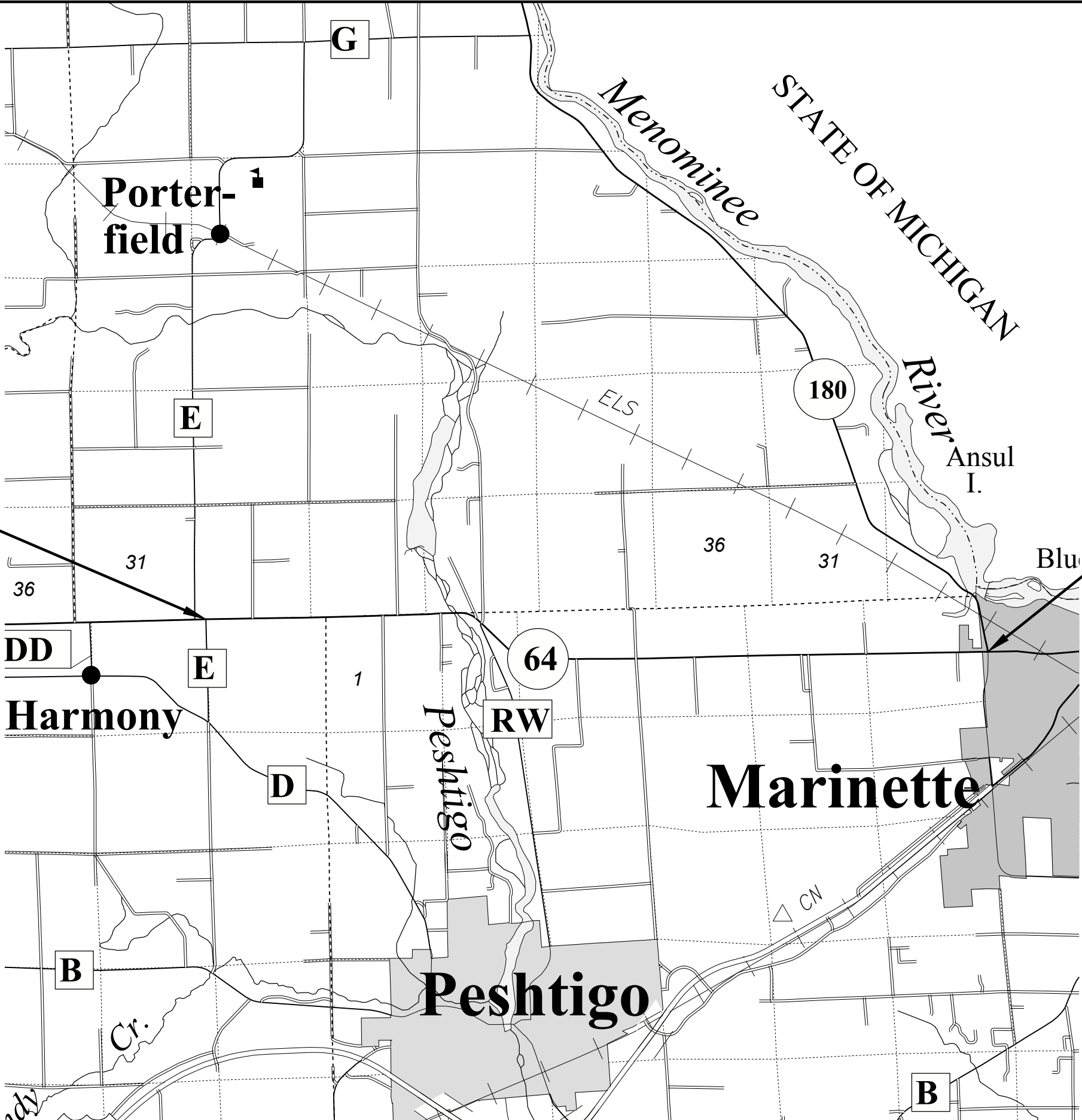
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BEGIN STH 64
JCT CTH E
LOG MILE 37.60 MI

END STH 64
JCT STH 180
LOG MILE 44.60 MI



PROJECT NO: 1009-33-30

HWY: STH 64

COUNTY: MARINETTE

PAVEMENT MARKING LOCATION MAP

SHEET

E

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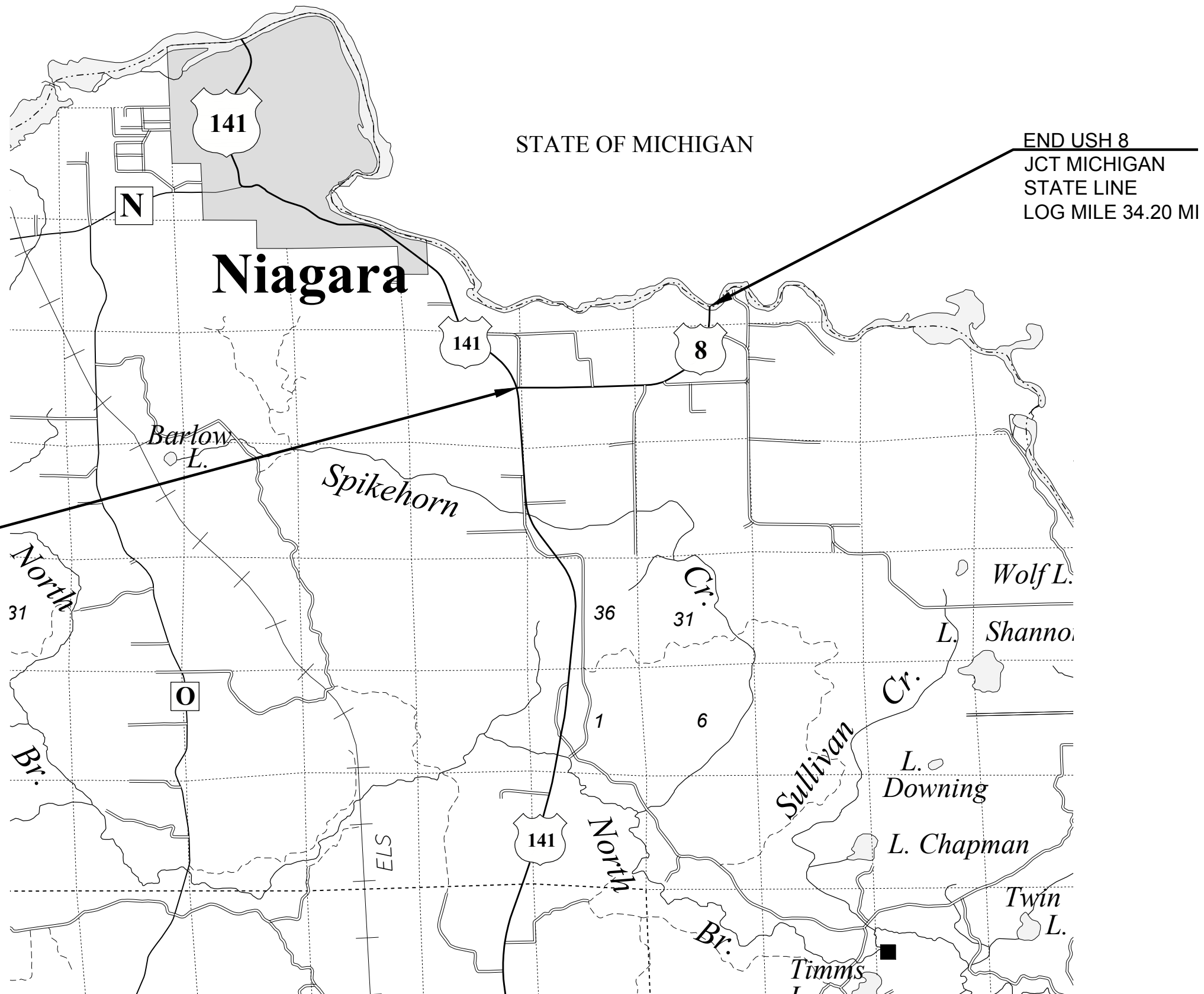
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PLOT BY : MALUEG, RYAN P

PLOT NAME :

PLOT SCALE : 1 IN:1 MI

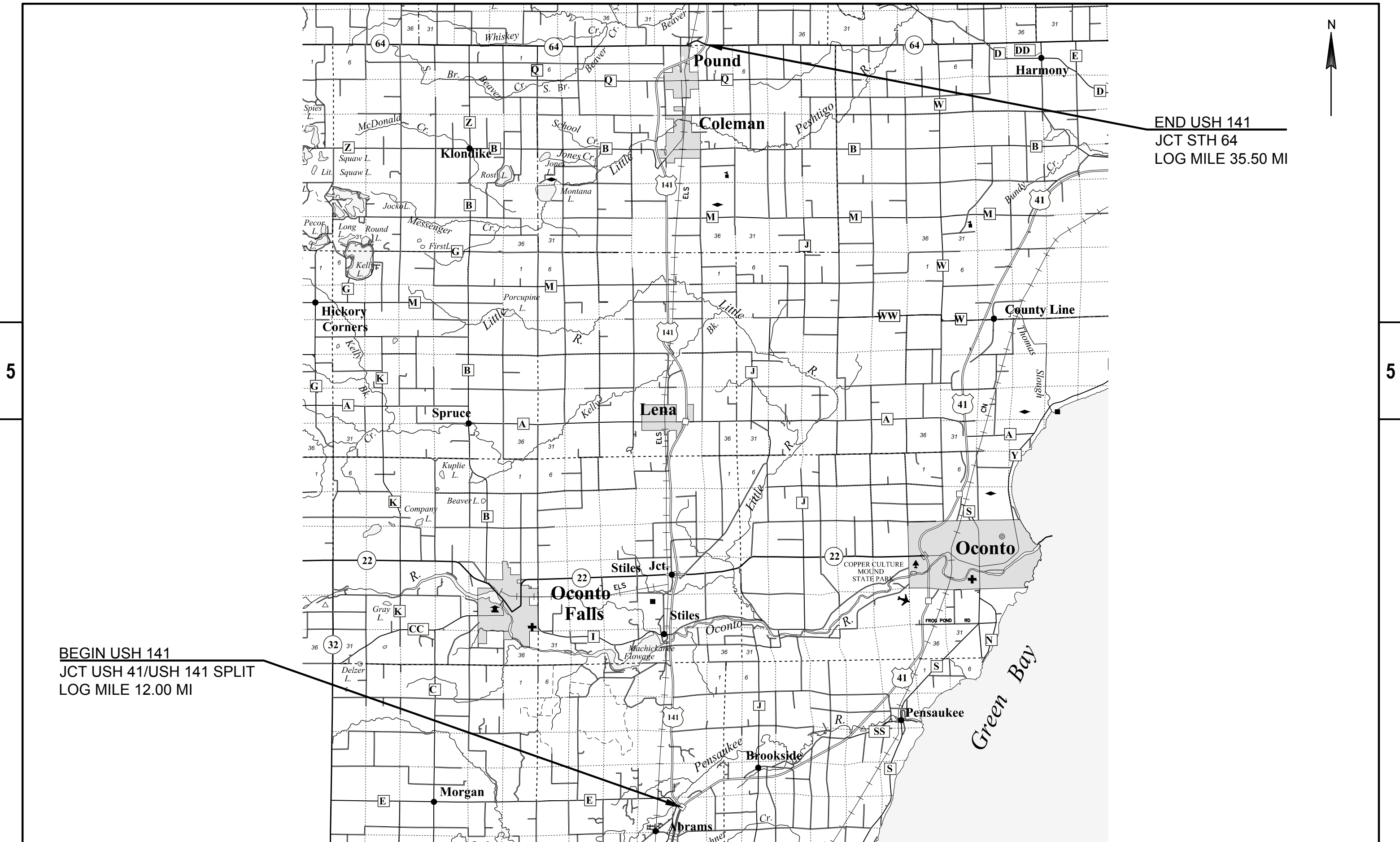
WISDOT/CADD5 SHEET 44



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PROJECT NO: 1009-33-30	HWY: USH 8	COUNTY: MARINETTE	PAVEMENT MARKING LOCATION MAP	SHEET	E
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BEGIN USH 141
JCT USH 41/USH 141 SPLIT
LOG MILE 12.00 MI

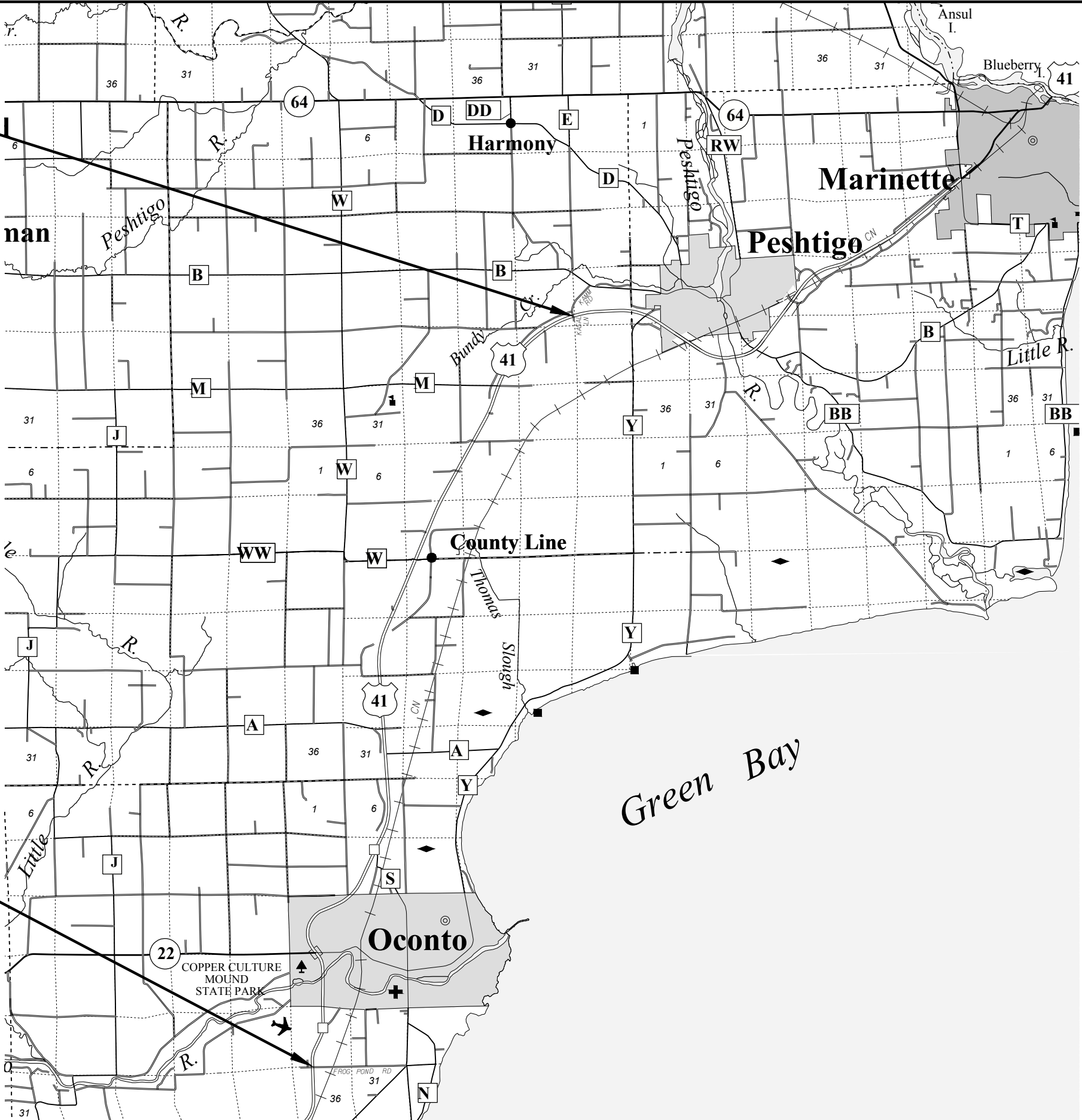
END USH 141
JCT STH 64
LOG MILE 35.50 MI

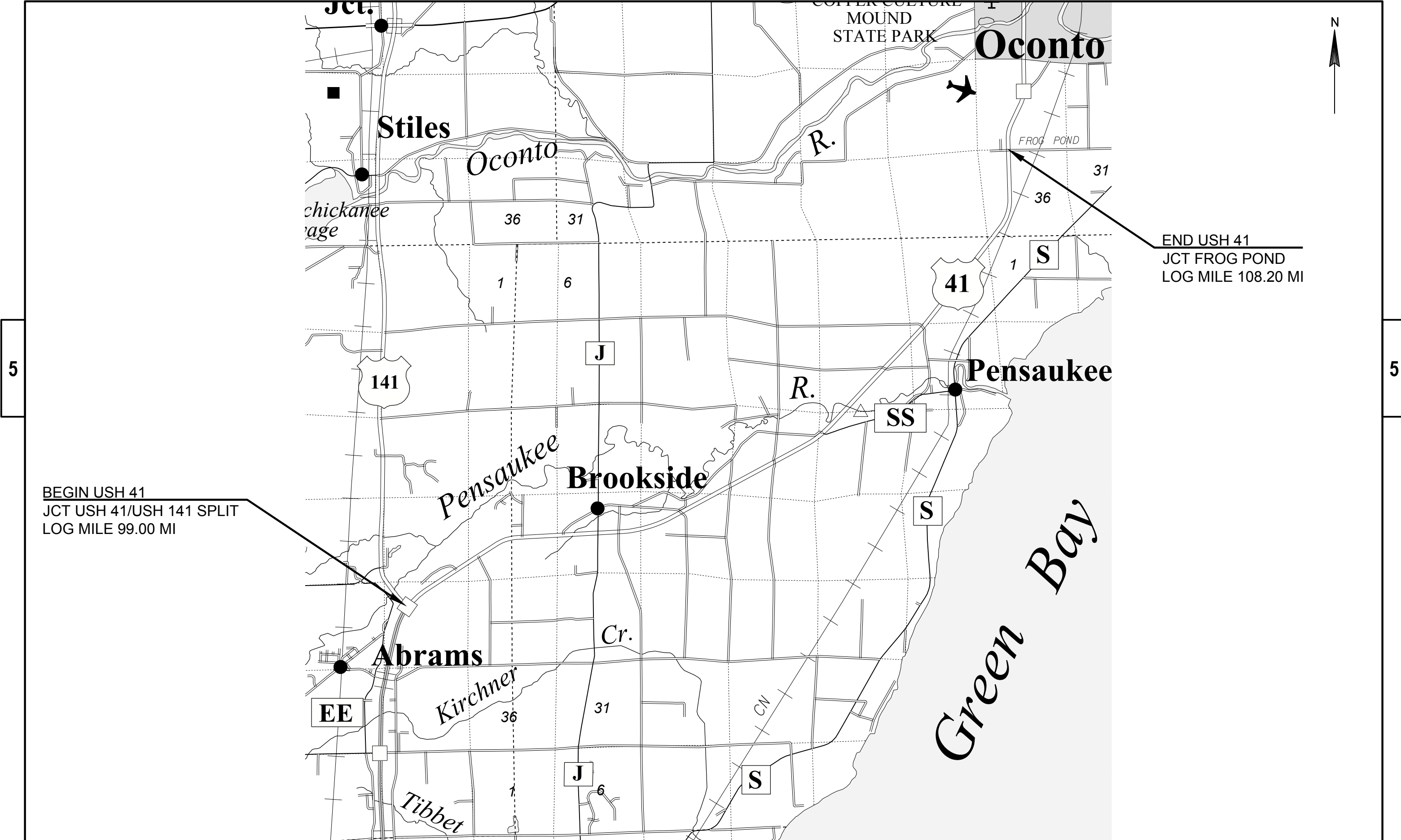
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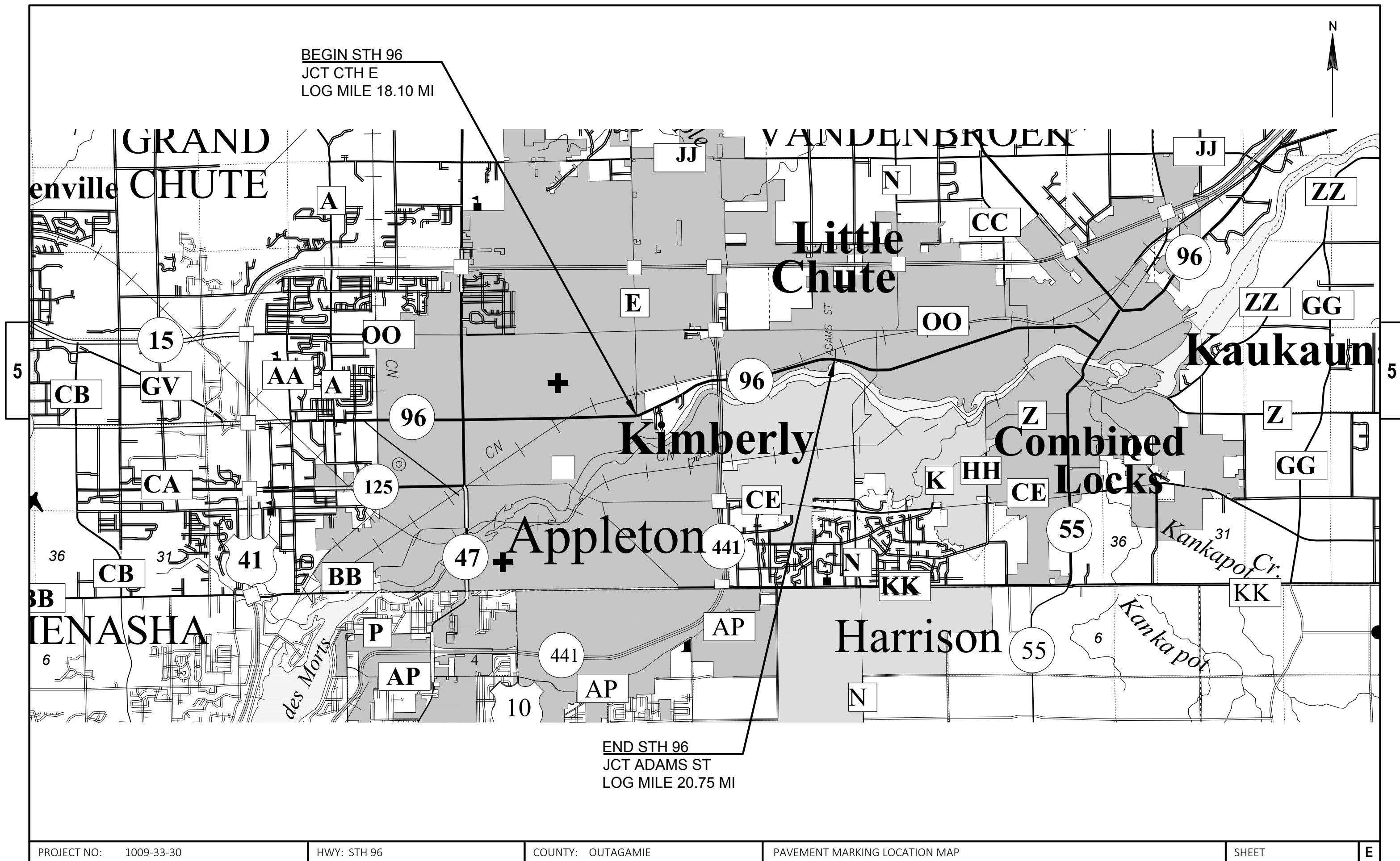
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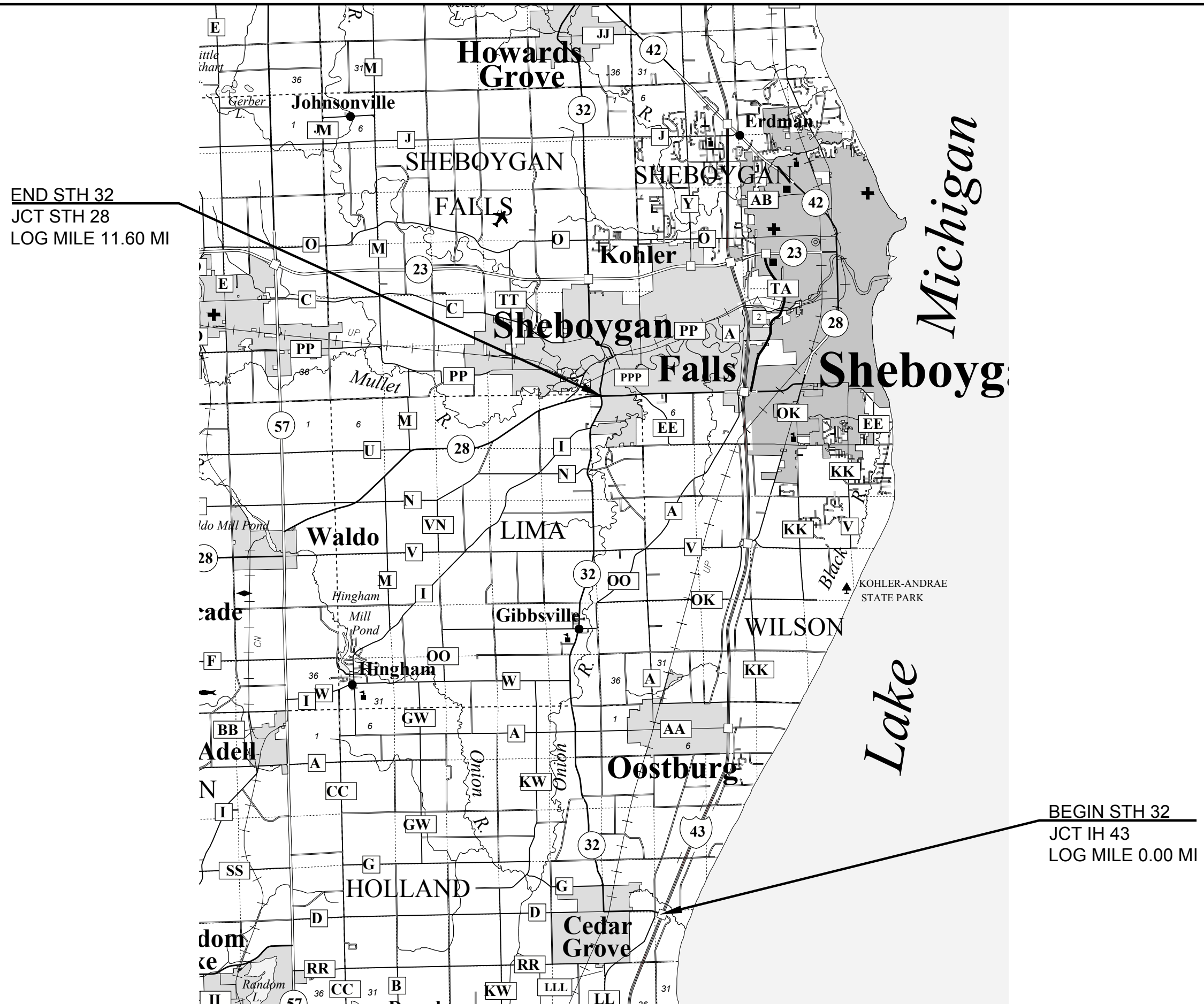
END USH 41
JCT KAMM RD/KASAL LN
LOG MILE 123.00 MI

BEGIN USH 41
JCT FROG POND RD
LOG MILE 108.20 MI







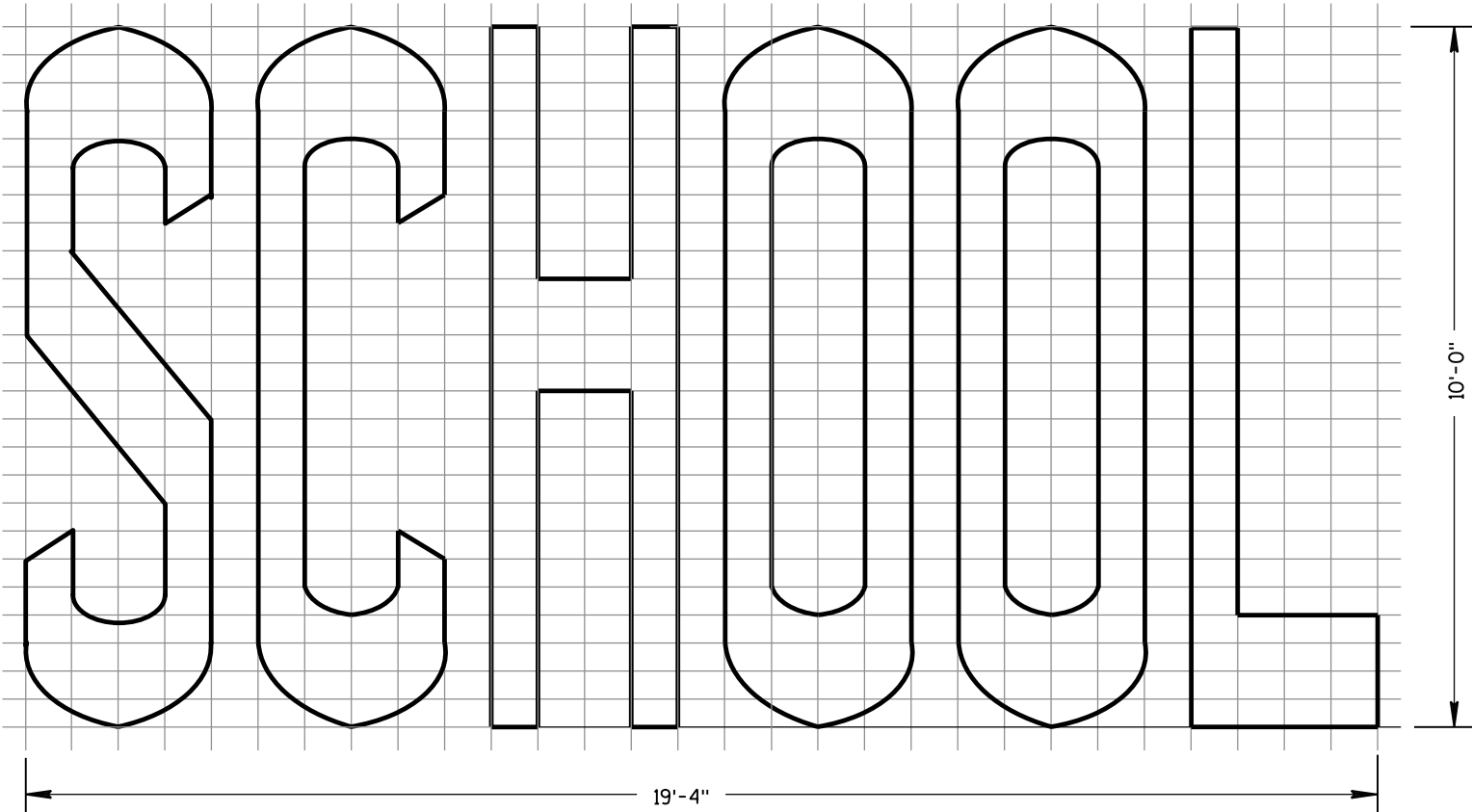
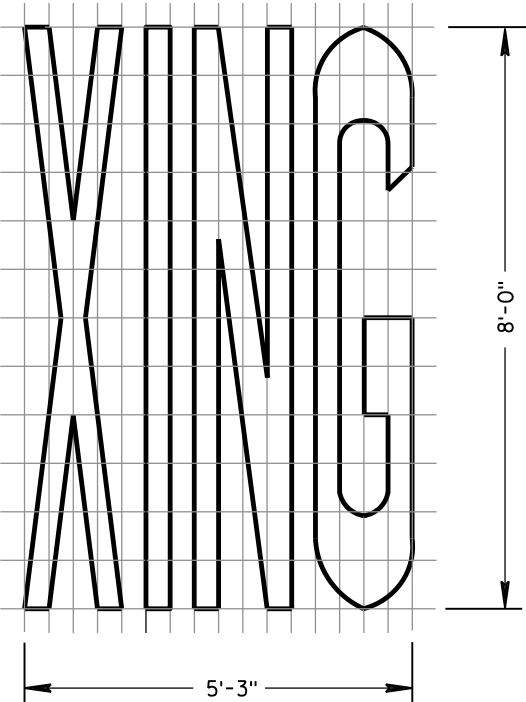
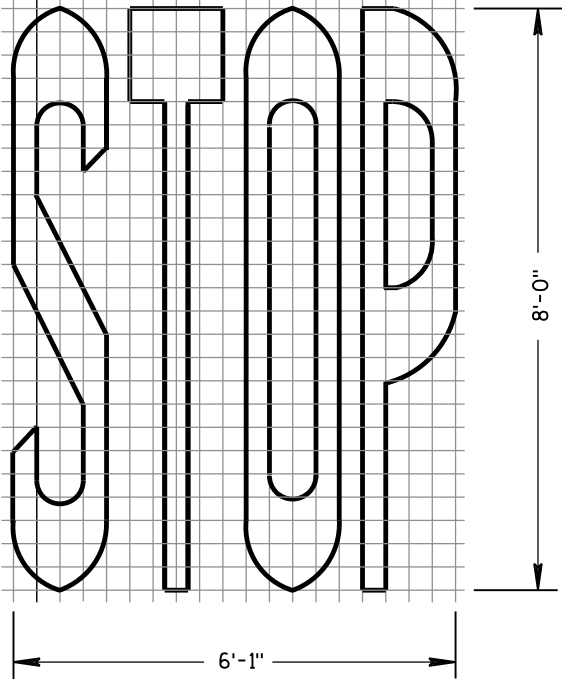


Standard Detail Drawing List

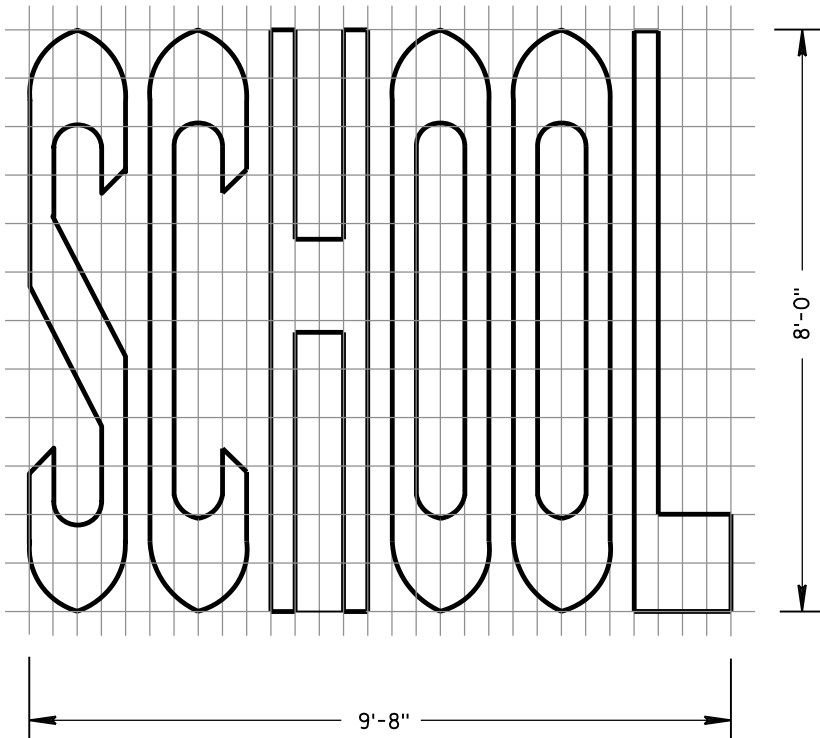
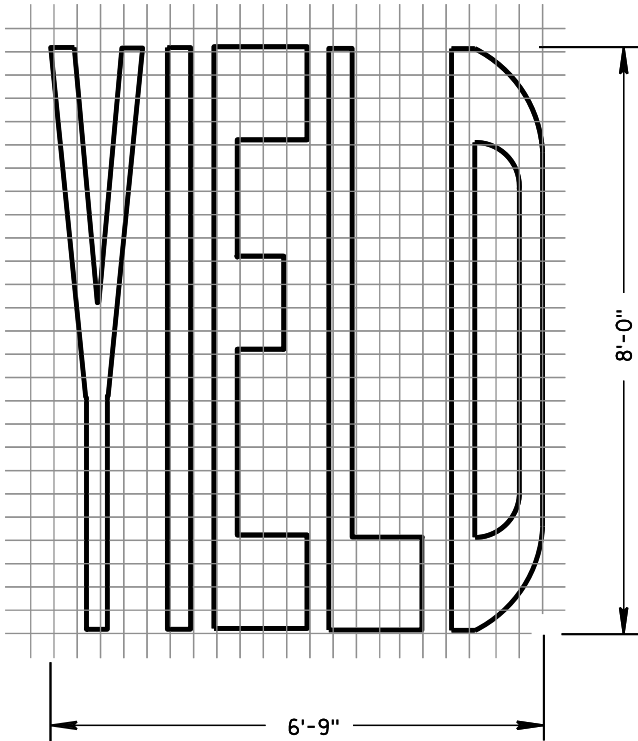
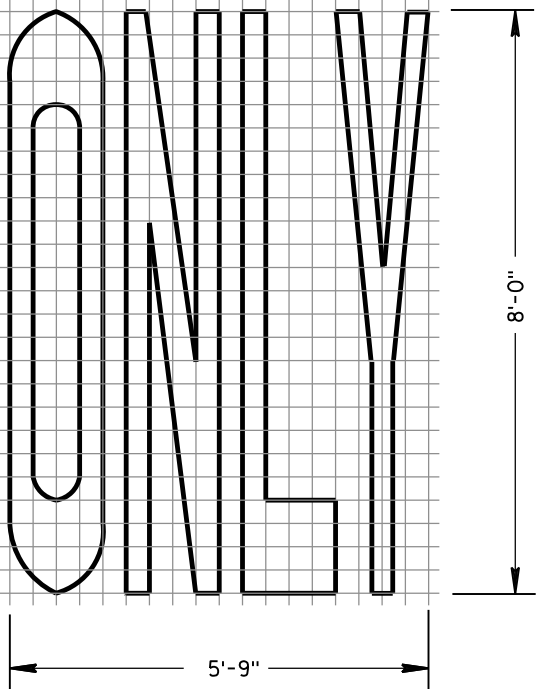
15C07-13B	PAVEMENT MARKING WORDS
15C07-13C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16C	PAVEMENT MARKING (CLIMBING LANE & PASSING LANE)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C09-10A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C09-10B	TRUCK STOPPING LANE PAVEMENT MARKINGS
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C14-02	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C18-03	MEDIAN ISLAND MARKING
15C19-04A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-04C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C20-02	YIELD MARKING
15C21-07	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C29-04A	BICYCLE LANE MARKING
15C29-4b	PAVEMENT MARKING FOR BIKE LANES
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C33-2	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

GENERAL NOTES

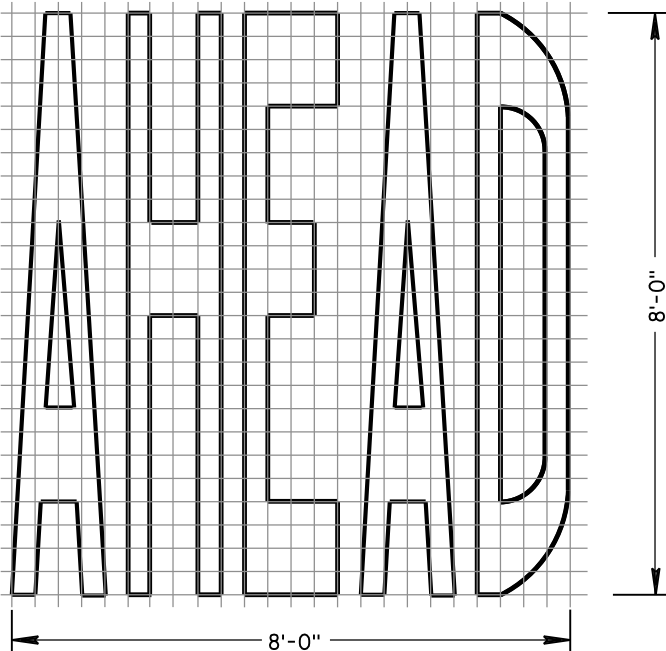
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TWO-LANE



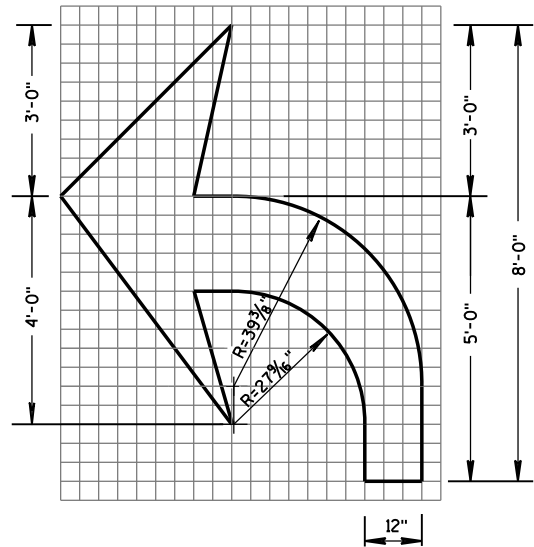
SINGLE-LANE



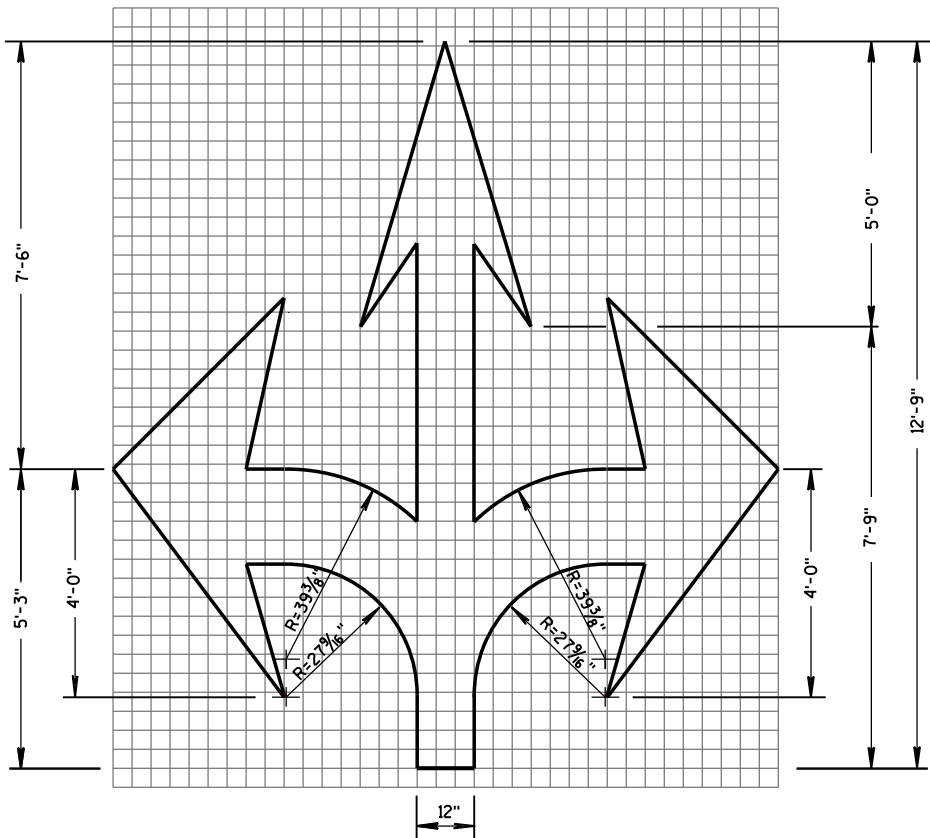
PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

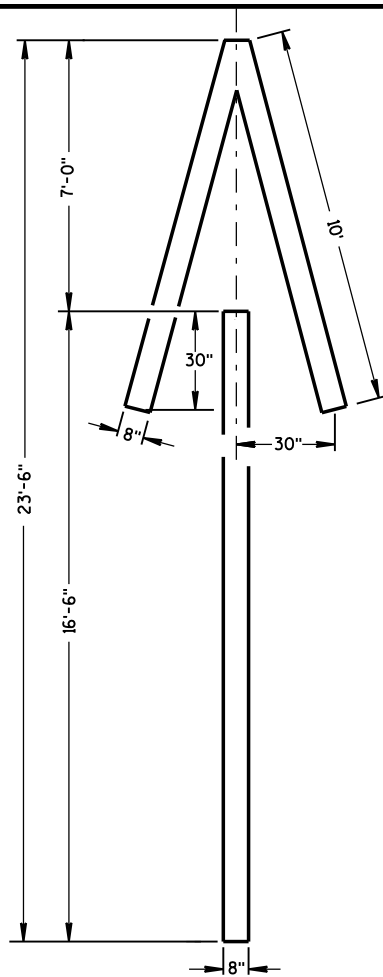
APPROVED
4-18-16 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA



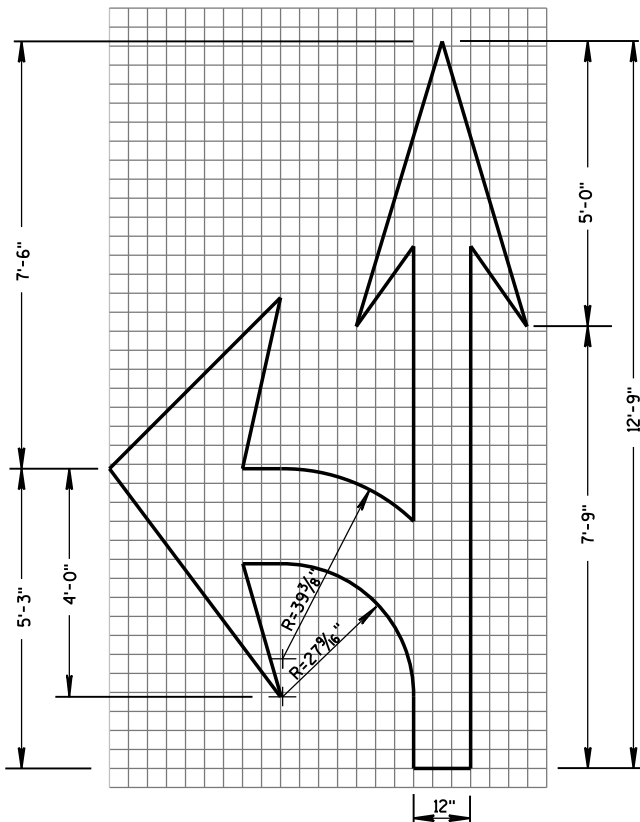
TYPE 2



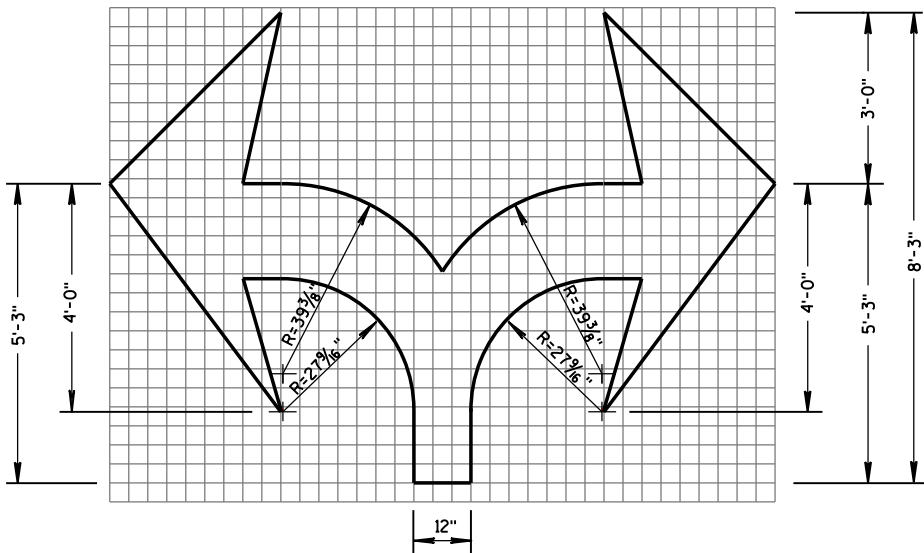
TYPE 6



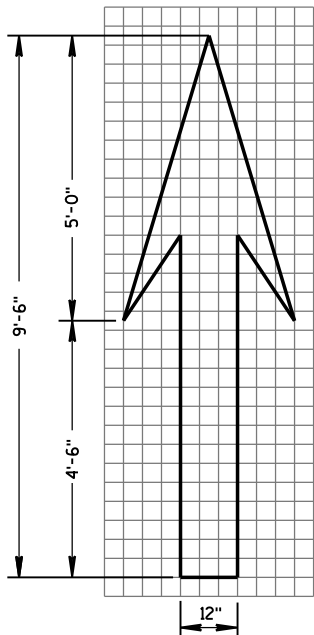
TYPE 4



TYPE 3



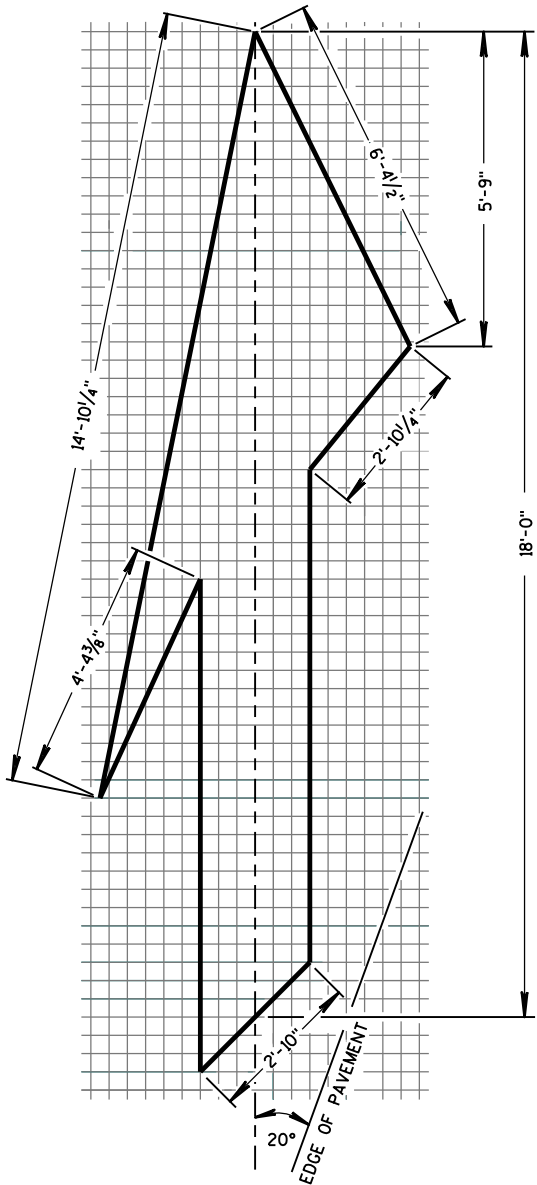
TYPE 7



TYPE 1

GENERAL NOTES

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

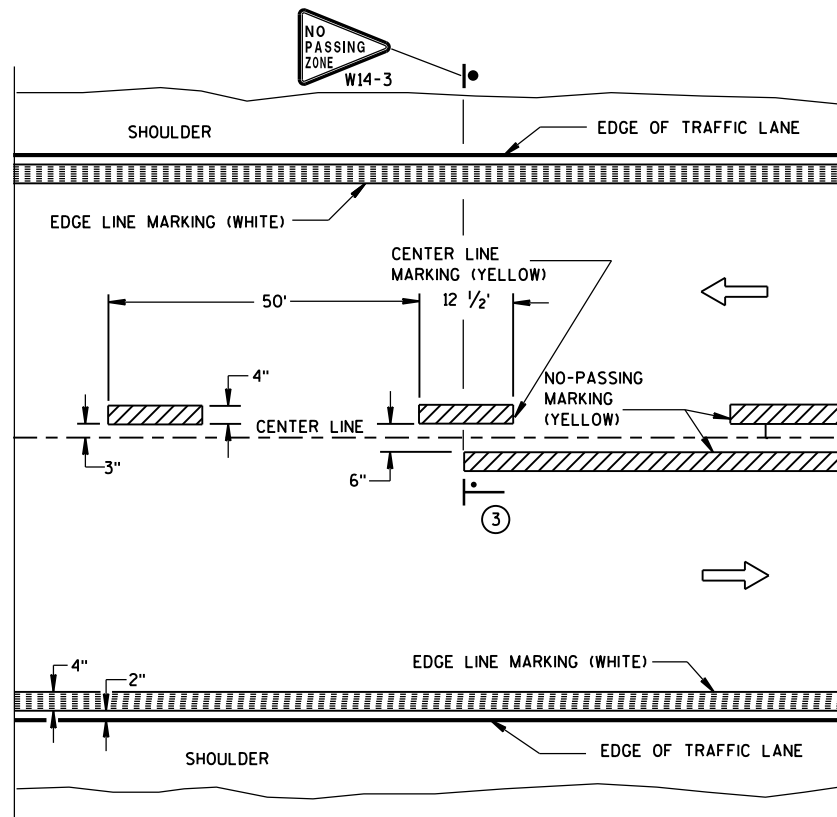


TYPE 5 LANE DROP ARROW

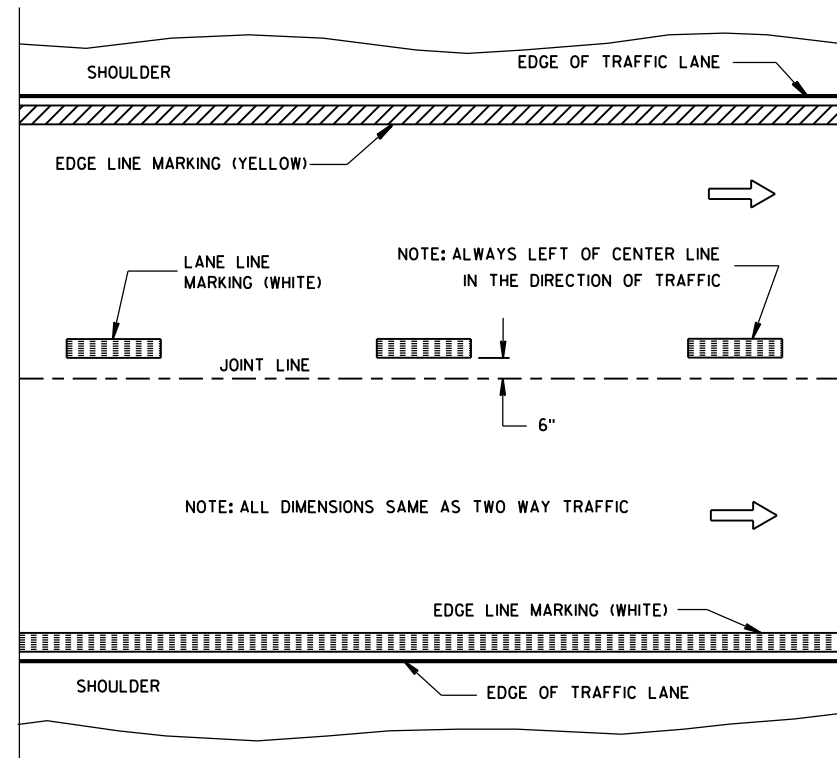
PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
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APPROVED
4-18-16 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
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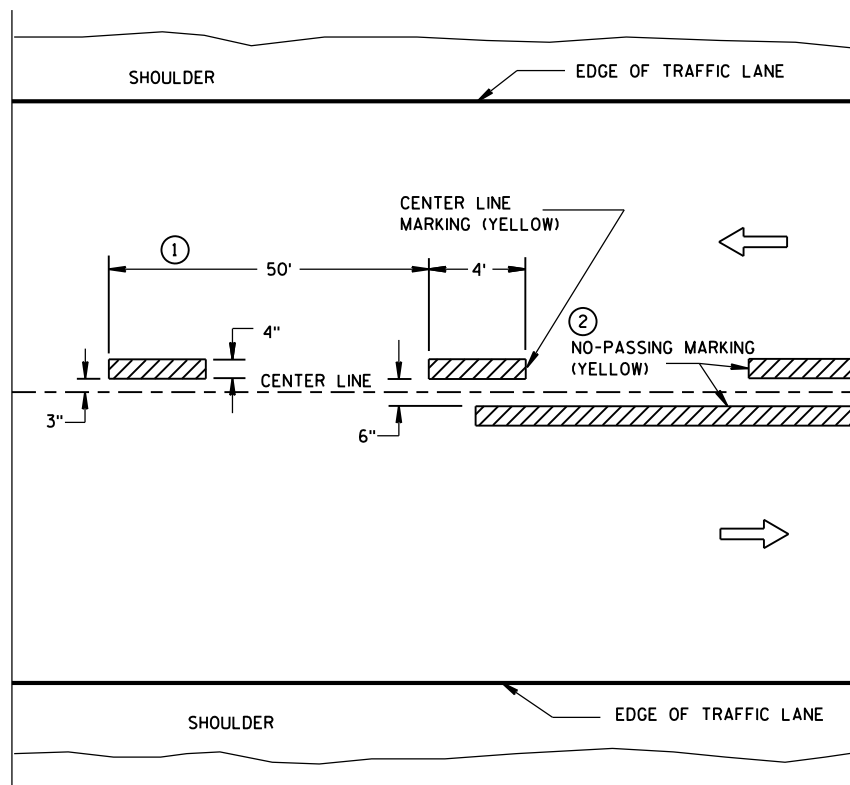


TWO WAY TRAFFIC

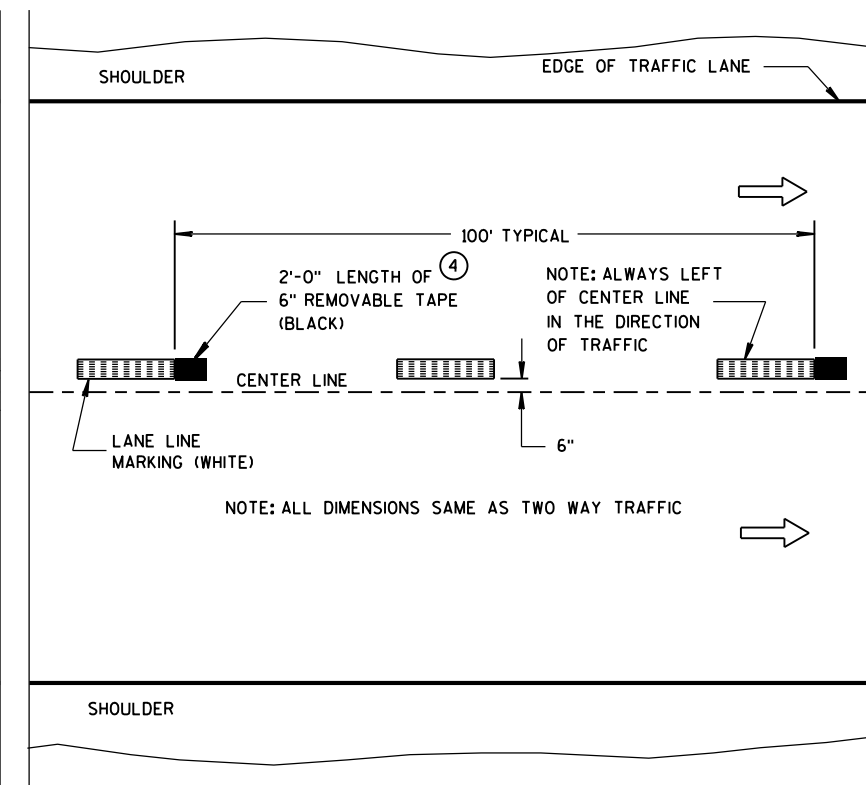


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

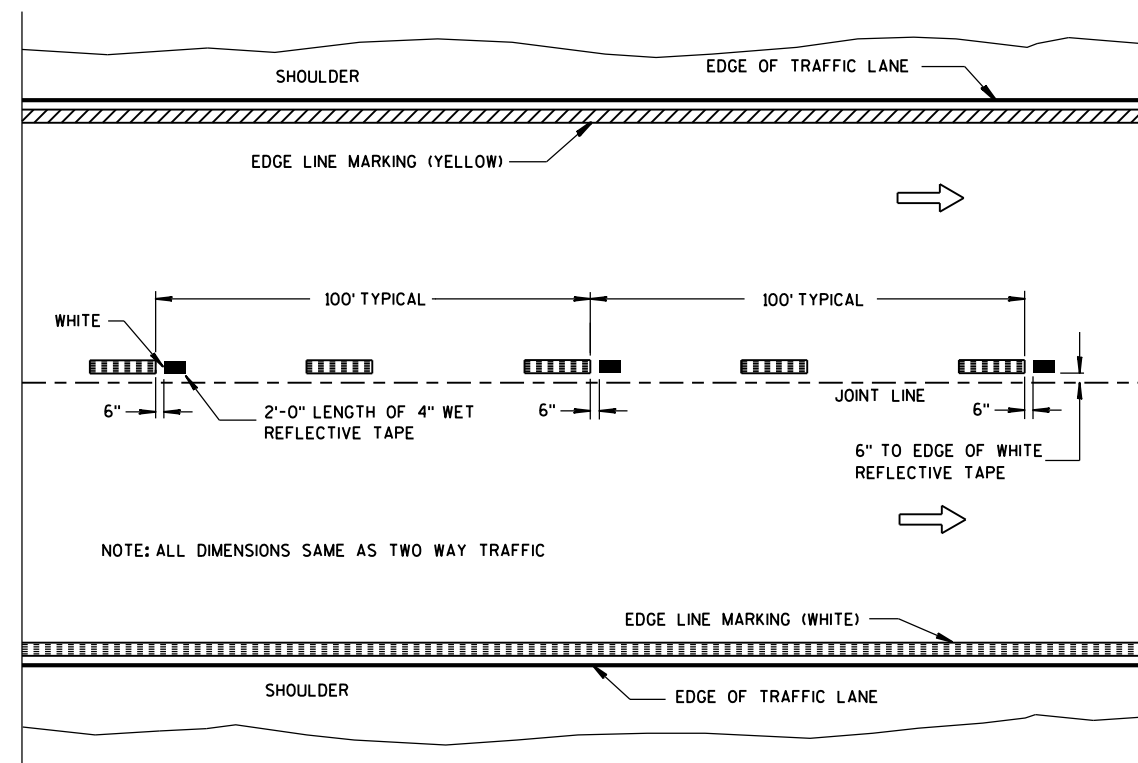
GENERAL NOTES

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

- ① HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
- ② NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
- ③ NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
- ④ CONCRETE ONLY.

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

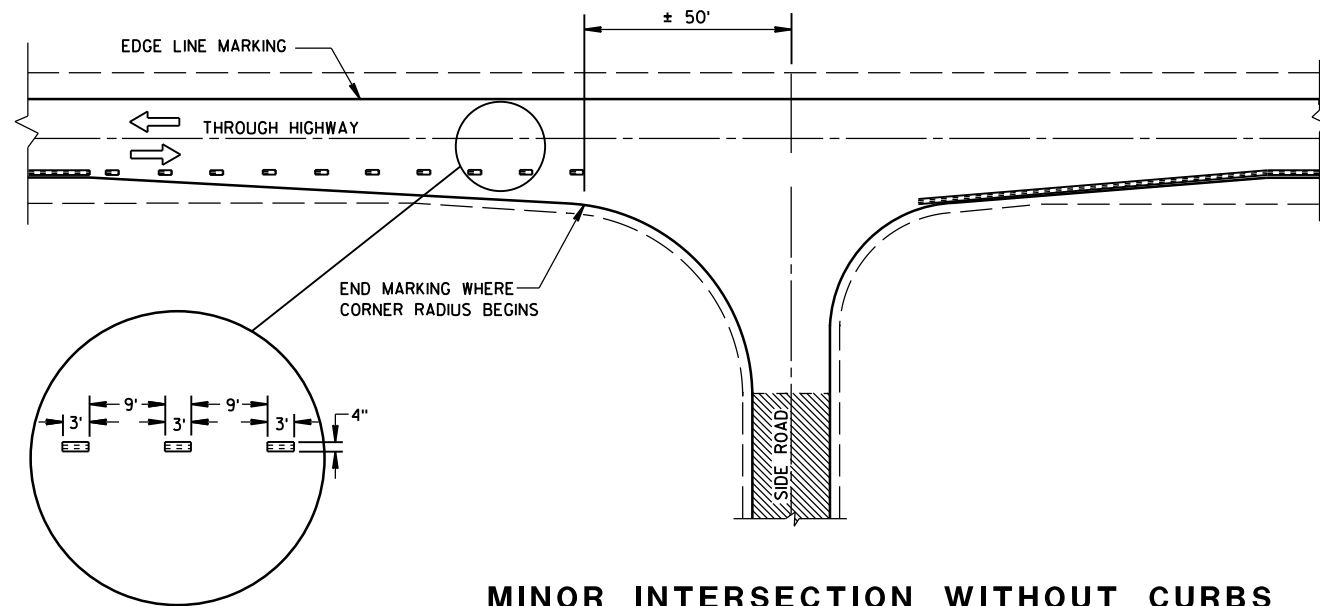
- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-2013
DATE
FHWA

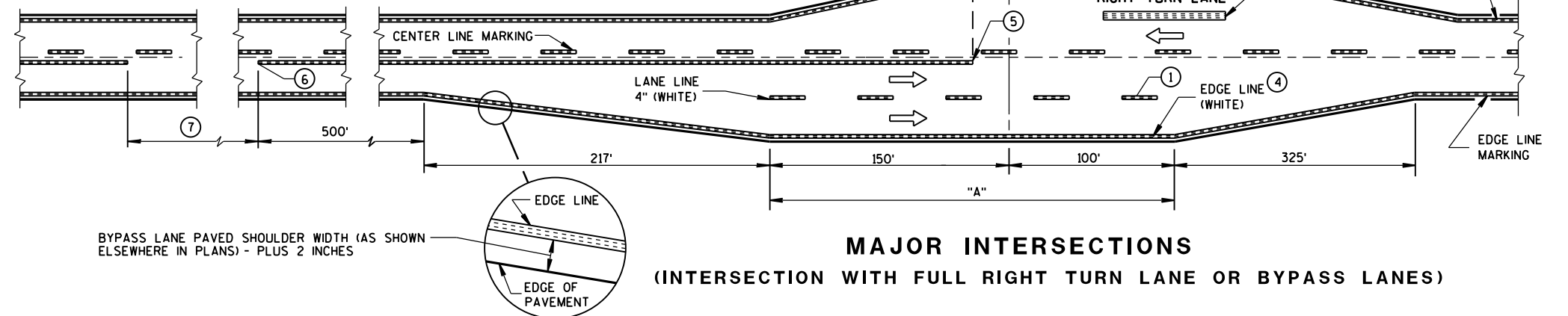
/S/ Travis Feltes
STATE TRAFFIC ENGINEER



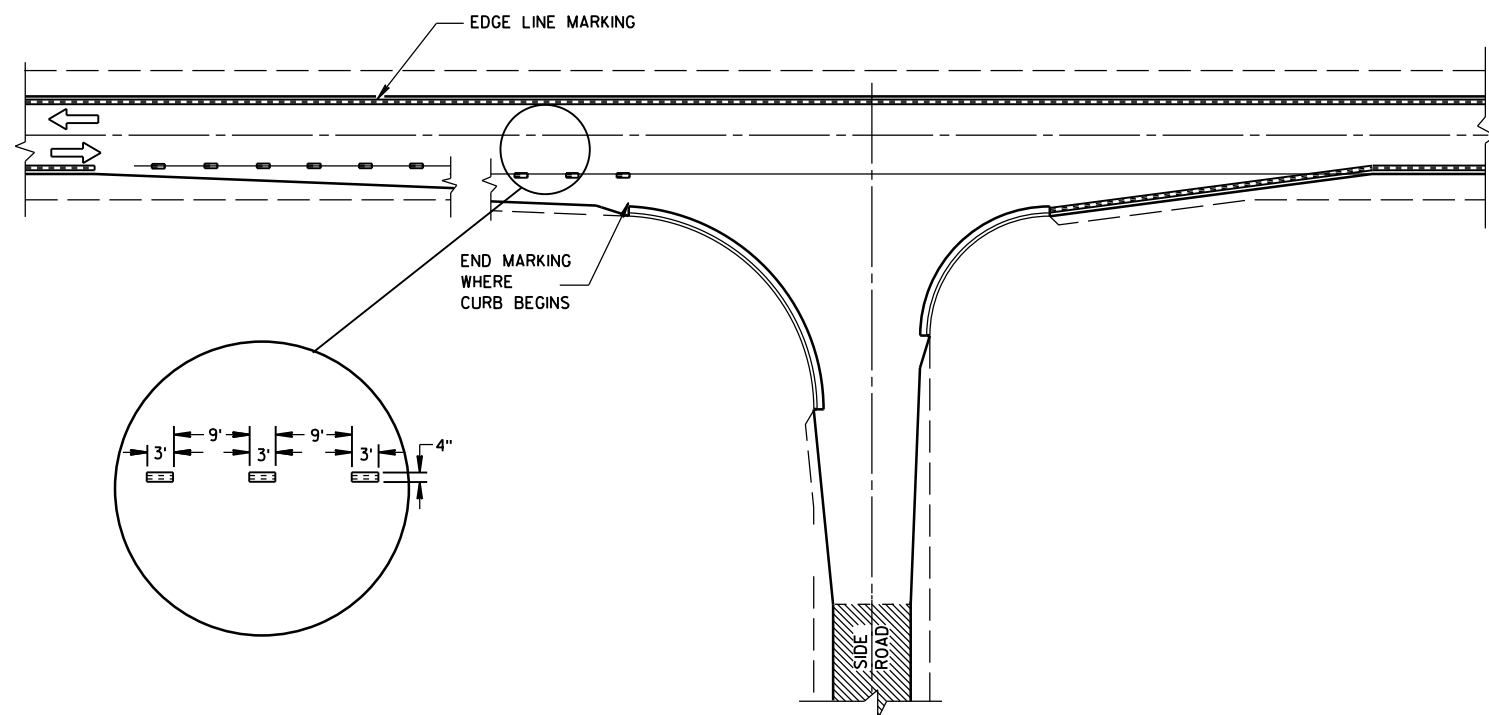
MINOR INTERSECTION WITHOUT CURBS

⑦

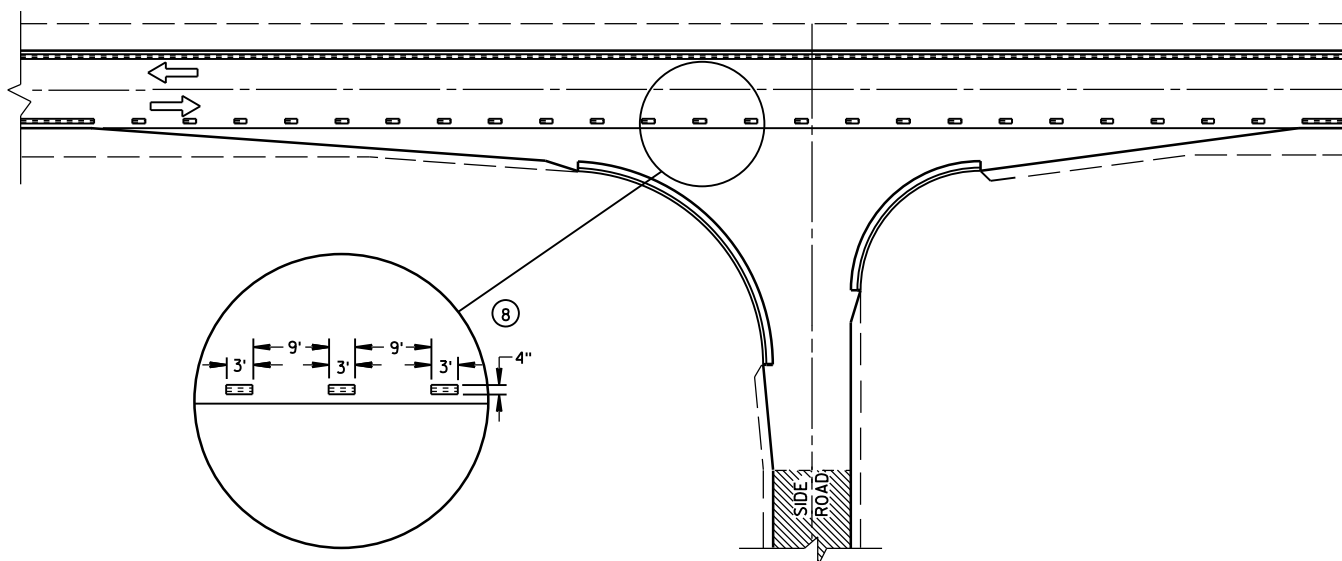
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



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



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



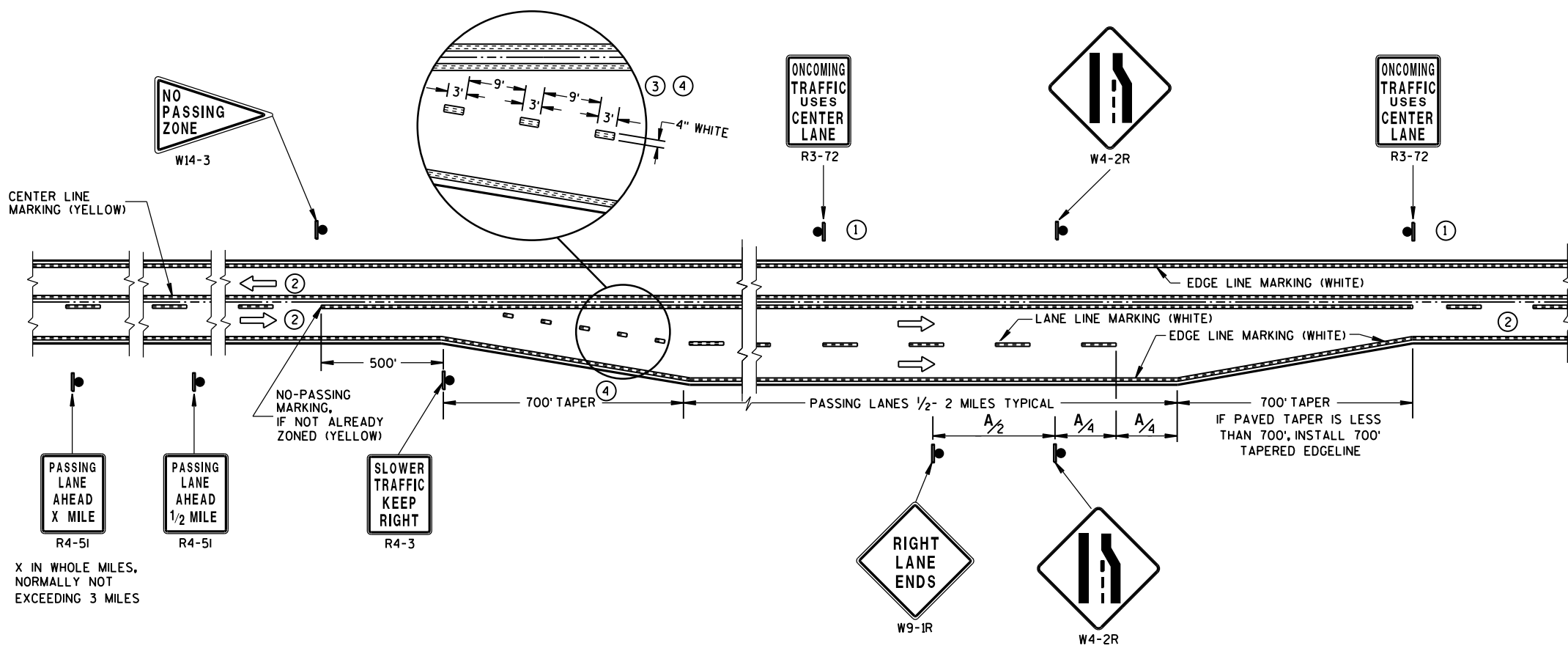
MINOR INTERSECTION WITH CURBS
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

GENERAL NOTES

- EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
 - ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
 - ③ ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.
 - ④ THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.
 - ⑤ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
 - ⑥ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
 - ⑦ IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.
 - ⑧ 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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

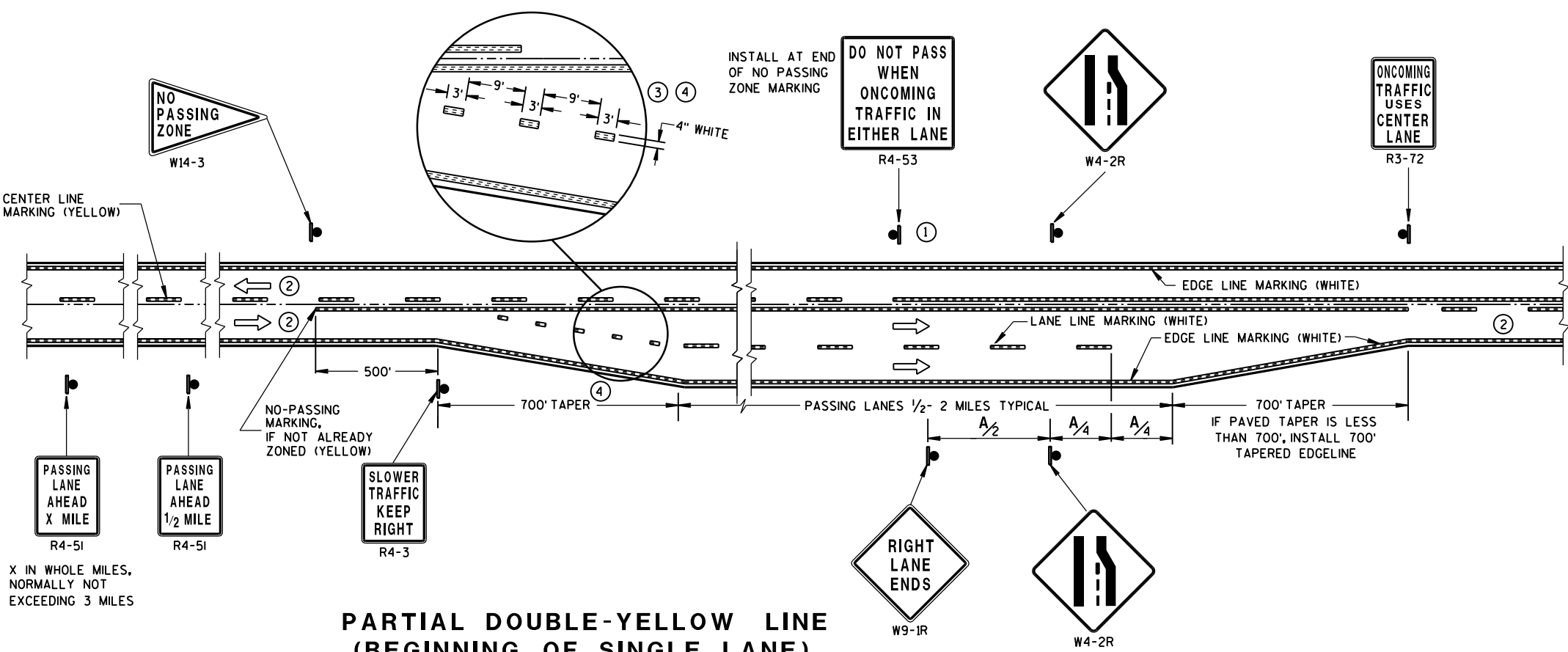
GENERAL NOTES

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

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

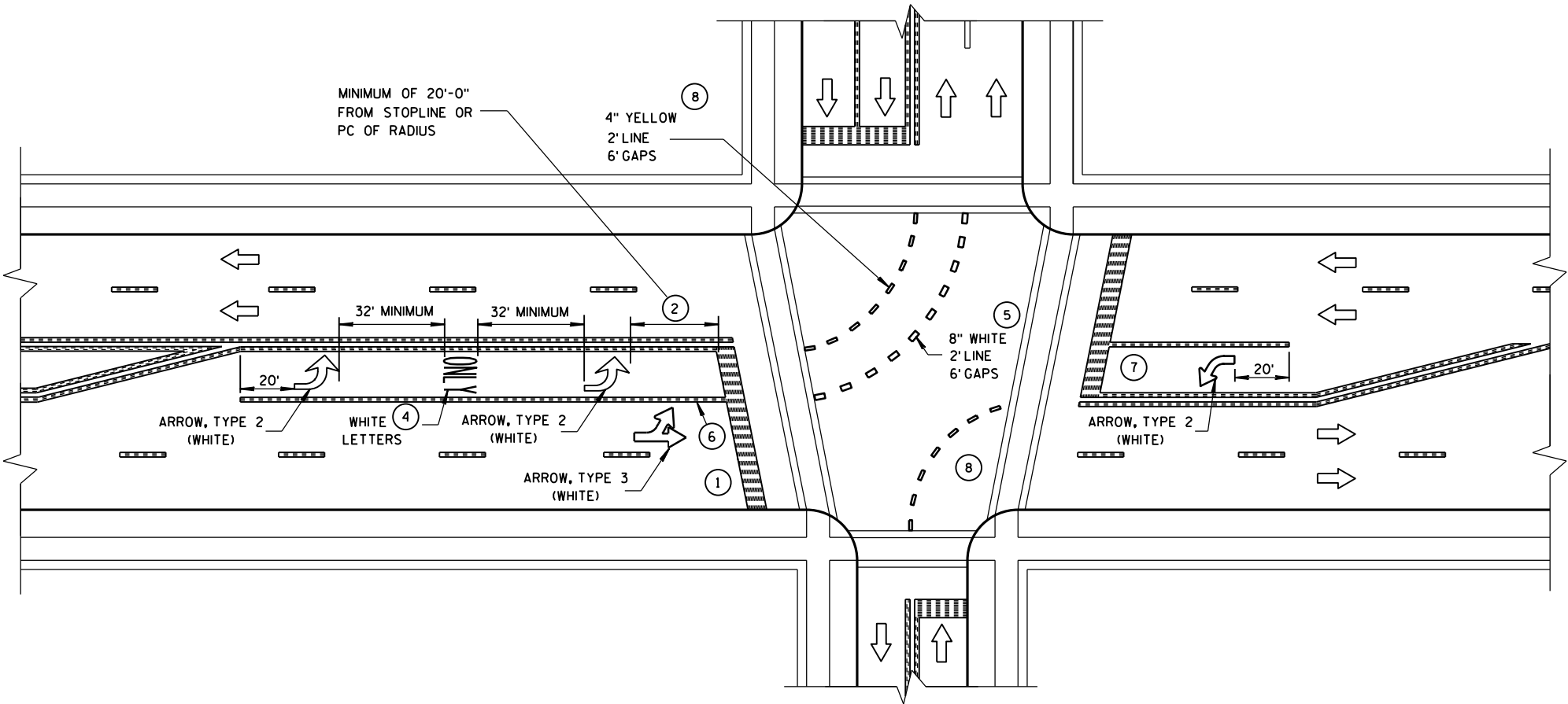
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950



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

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

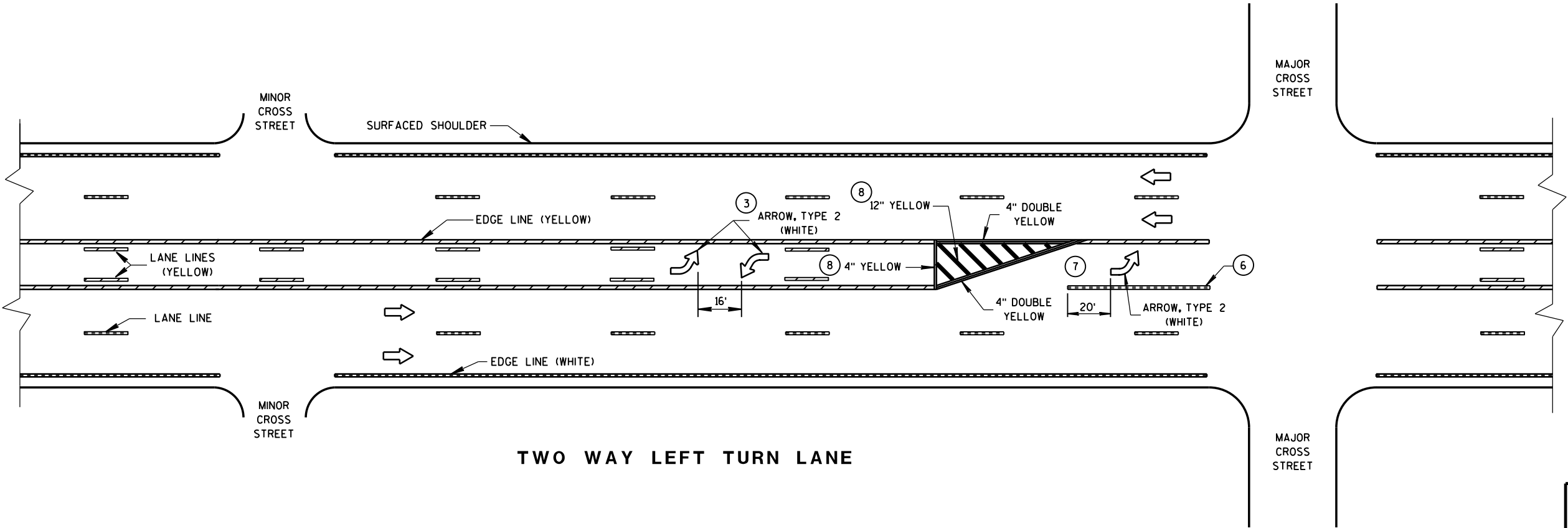
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

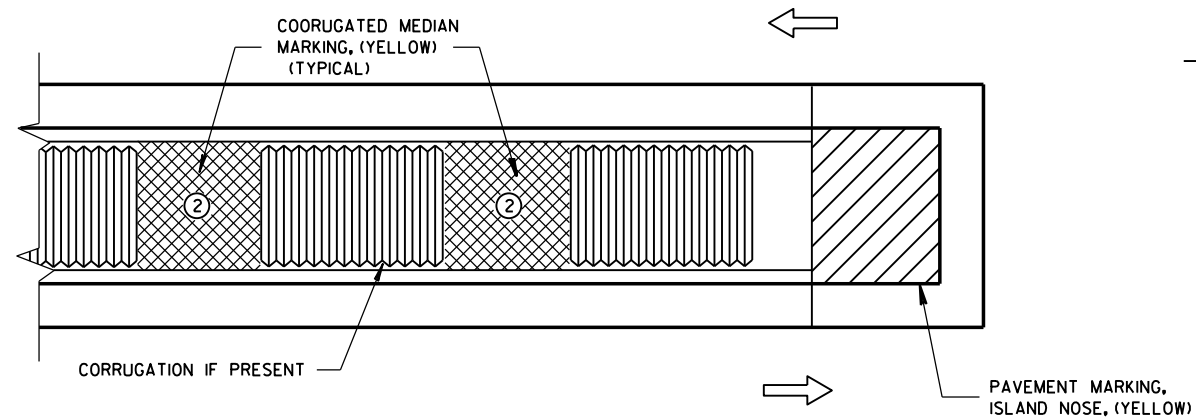
- 1 STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
- 2 DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
- 3 A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- 4 ADD EXTRA SETS OF ONE ARROW AND ONE ONLY PER 160 FEET OR WHEN ON A CURVE.
- 5 8" WHITE WITH 2' LINE 6' GAPS FOR DUAL TURN LANE.
- 6 8" WHITE
- 7 ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108 FEET.
- 8 REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:
ARROW SYMBOL (➡)
SHOWS DIRECTION OF TRAVEL

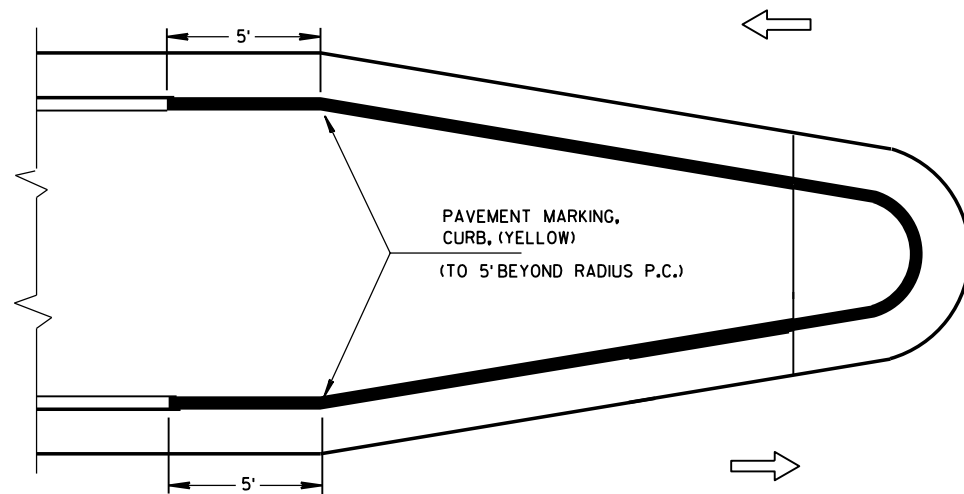


PAVEMENT MARKING
(LEFT TURN LANE)

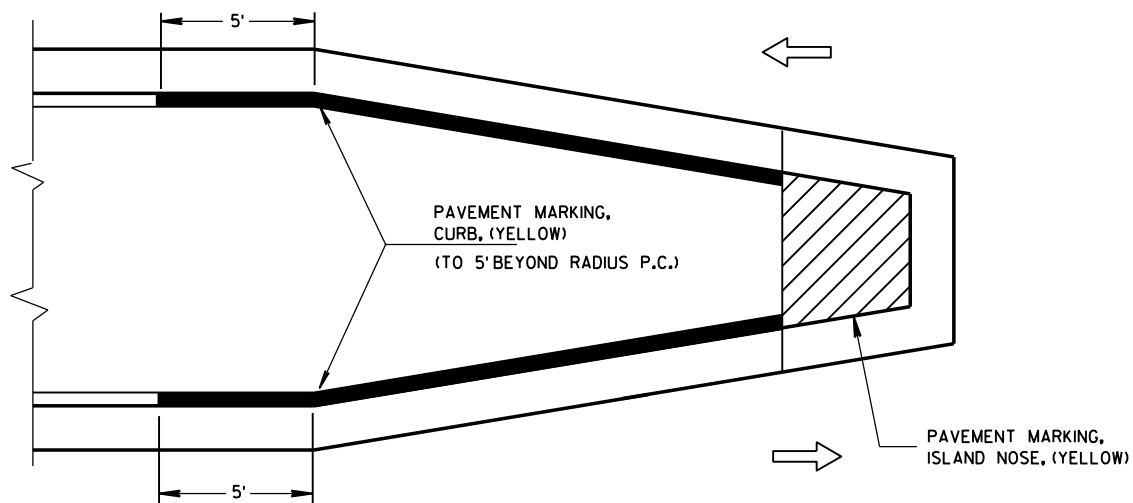
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

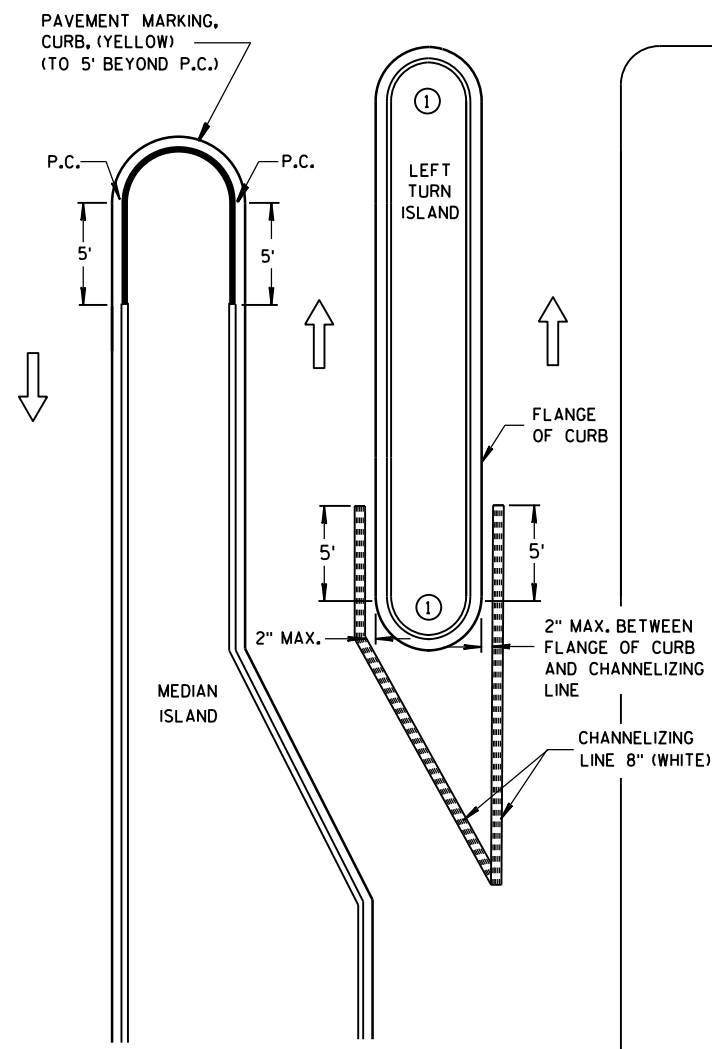


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

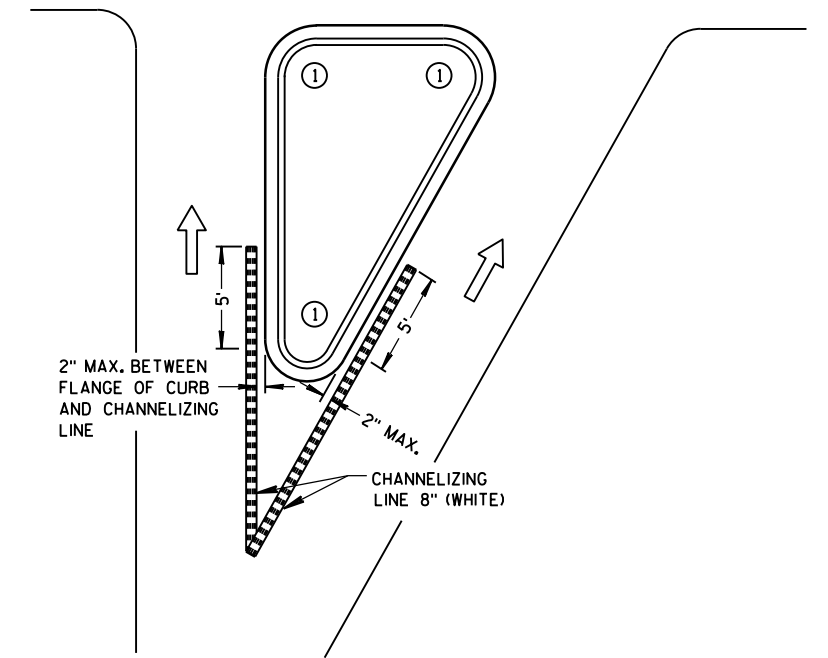
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

- 1 DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
- 2 WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN, THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



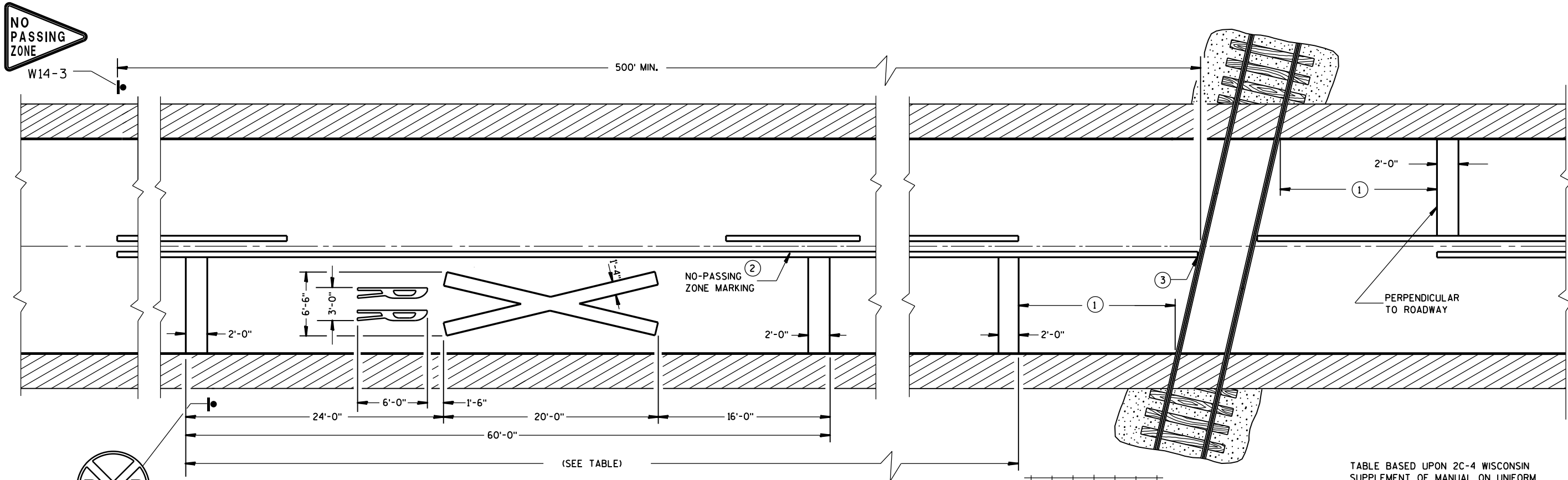
RIGHT TURN ISLAND

LEGEND

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

PAVEMENT MARKING (ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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
4-18-2016 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA

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

-
- Diagram illustrating the layout of a two-lane road with a railroad crossing, showing lane markings, signs, and dimensions.
- Signs and Markings:**
- W4-2R:** Advance warning sign for a two-lane road with a railroad crossing.
 - W10-1:** Advance warning sign for a railroad crossing.
 - R15-50:** Railroad crossing sign.
 - USE RIGHT LANE IF REQUIRED TO STOP AT RAILROAD:** Sign indicating the required lane for stopping at the crossing.
 - 8" SOLID LANE LINE (WHITE):** Lane marking for the two-lane road.
 - 8" LANE LINE, 12' CYCLE (3'DASH - 9' SPACE) (2):** Lane marking for the two-lane road.
 - EDGE OF TRAFFIC LANE:** Marking indicating the edge of the traffic lane.
 - 4" SOLID EDGE LINE (WHITE):** Edge line marking for the two-lane road.
 - 4" LANE LINE, 12' CYCLE (3'DASH - 9' SPACE) (2):** Lane marking for the two-lane road.
 - 8" SOLID LANE LINE (WHITE):** Lane marking for the two-lane road.
- Dimensions:**
- 50':** Distance from the W4-2R sign to the crossing.
 - 84':** Distance from the W10-1 sign to the crossing.
 - 200':** Distance between the crossing gates.
- Other Labels:**
- **:** Indicates the location of the crossing gates.
 - RR:** Railroad crossing symbol.
 - W10-1:** Advance warning sign for a railroad crossing.
 - R15-50:** Railroad crossing sign.
 - USE RIGHT LANE IF REQUIRED TO STOP AT RAILROAD:** Sign indicating the required lane for stopping at the crossing.

1

*

W10-1





← DIRECTION OF TRAFFIC FLOW

** SEE "SIGNING AND PAVEMENT
HIGHWAY GRADE CROSSING" FOR

└ POST MOUNTED SIGN

APPROVED
4/18/2016 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA

LEGEND

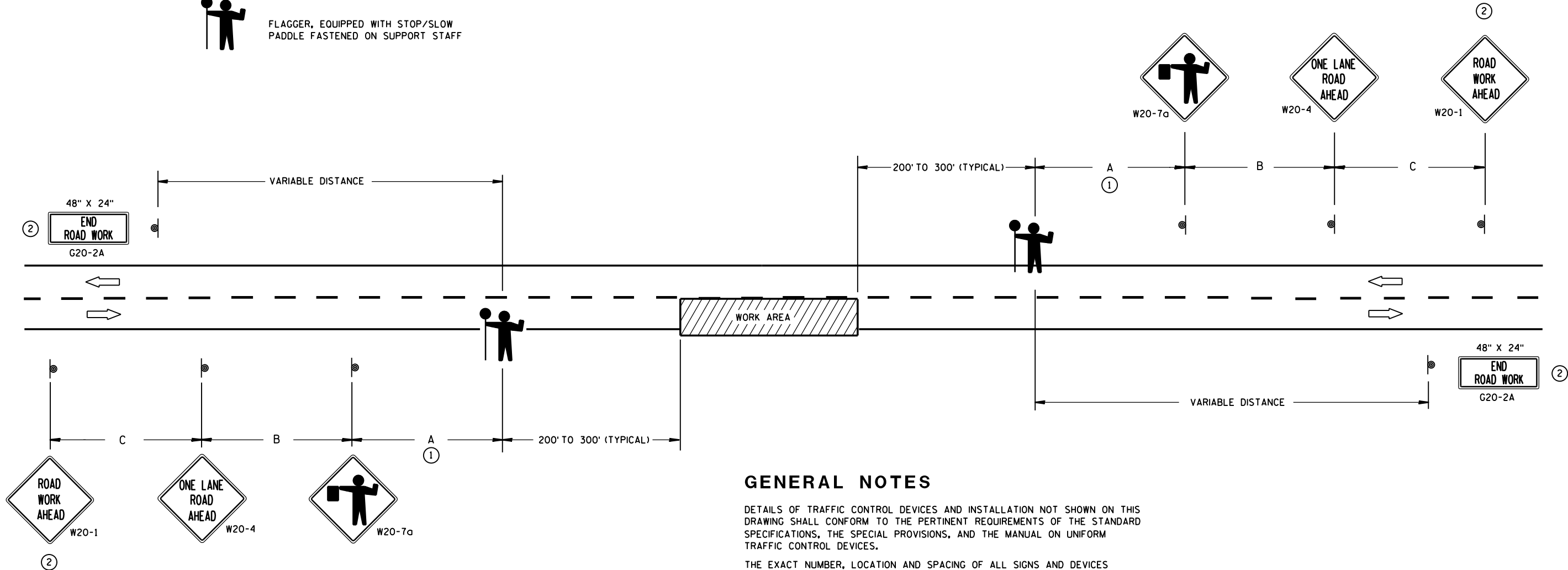
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

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



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



GENERAL NOTES

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

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

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

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

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

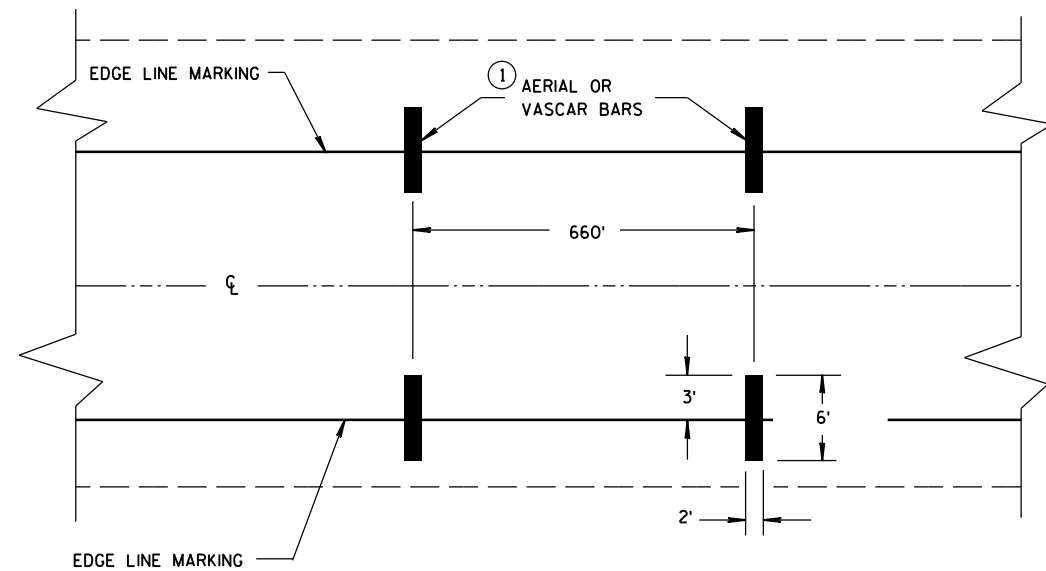
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

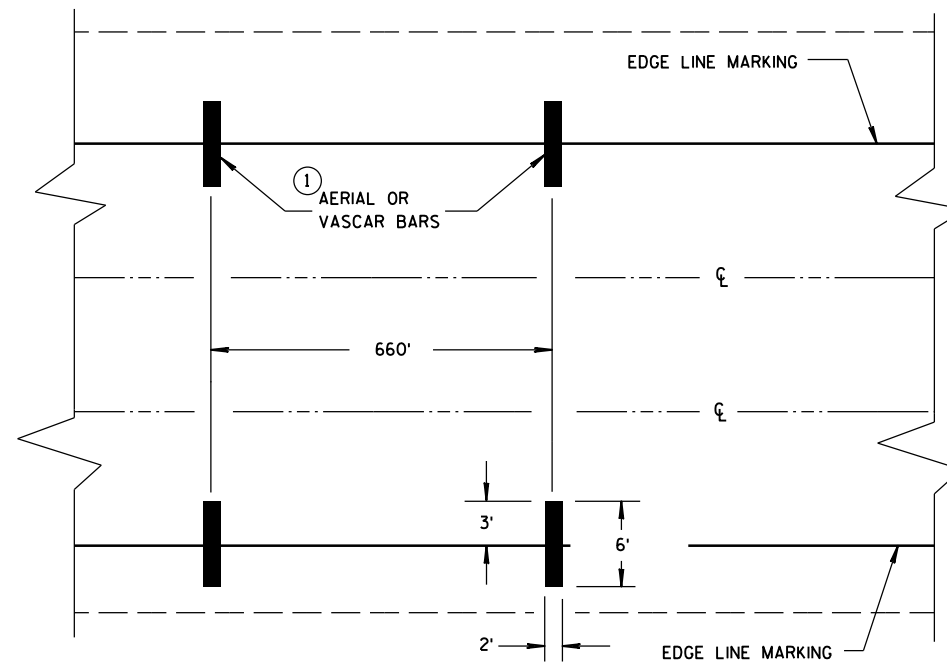
TRAFFIC CONTROL FOR LANE
CLOSURE (SUITABLE FOR
MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC



TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

GENERAL NOTES

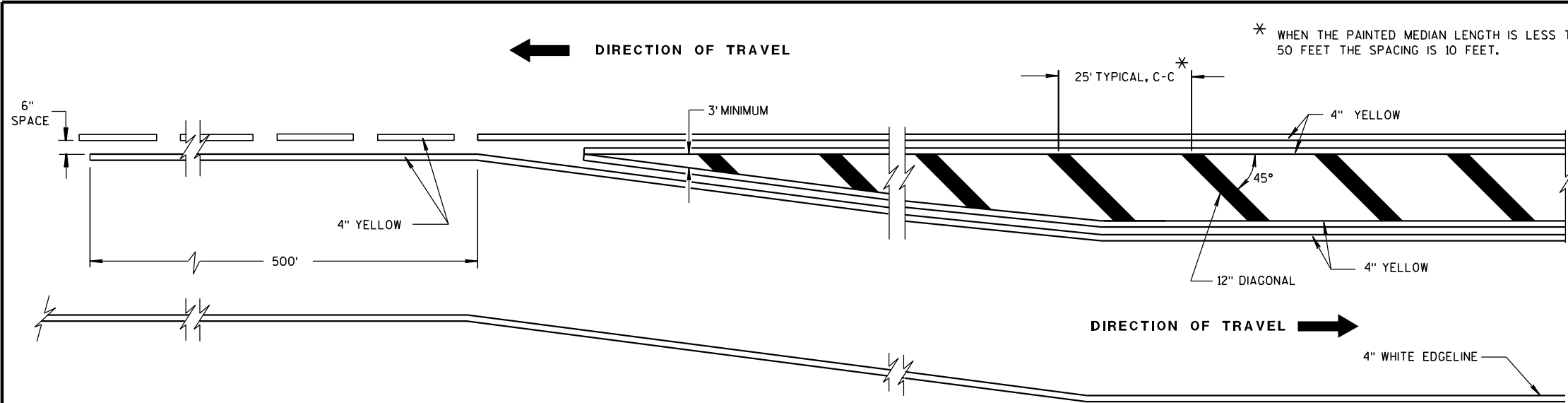
- ① NUMBER OF VASCAR OR AERIAL BARS SHALL BE A MINIMUM OF 2 OR A MAXIMUM OF 5 AT 660' SPACING.

A CAR CAN BE PROVIDED BY THE WISCONSIN STATE PATROL FOR TRAFFIC CONTROL.

AERIAL ENFORCEMENT BARS
PAVEMENT MARKING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

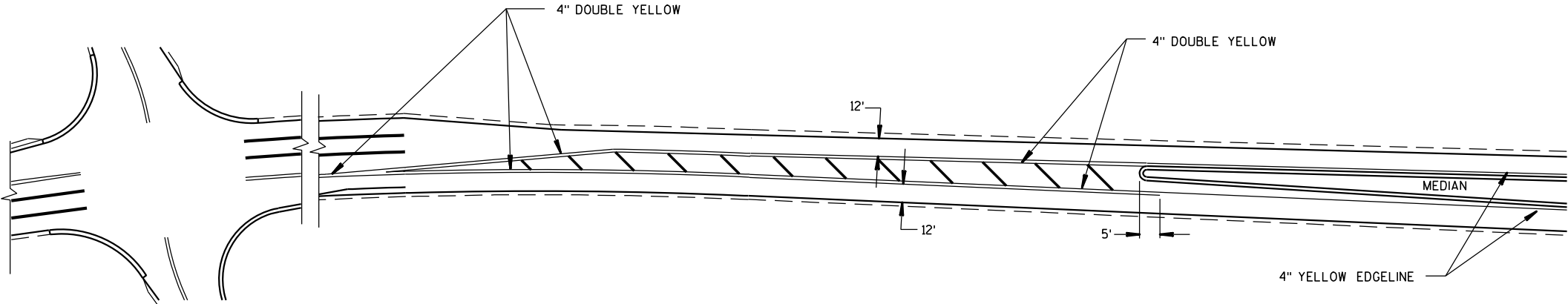
APPROVED
4/18/2016 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA



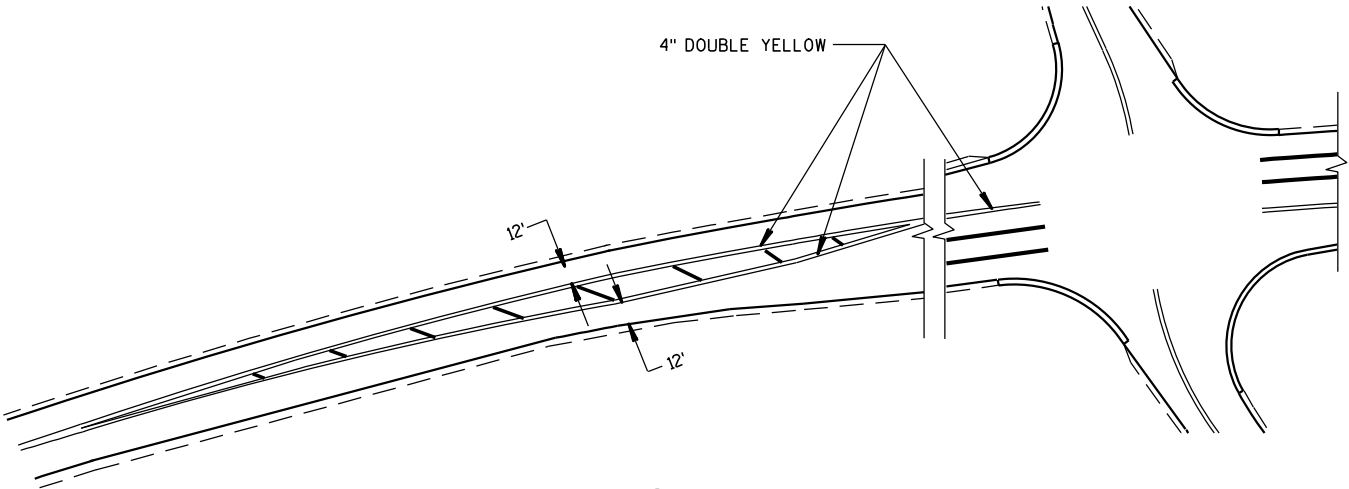
MEDIAN ISLAND DETAIL

GENERAL NOTE

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

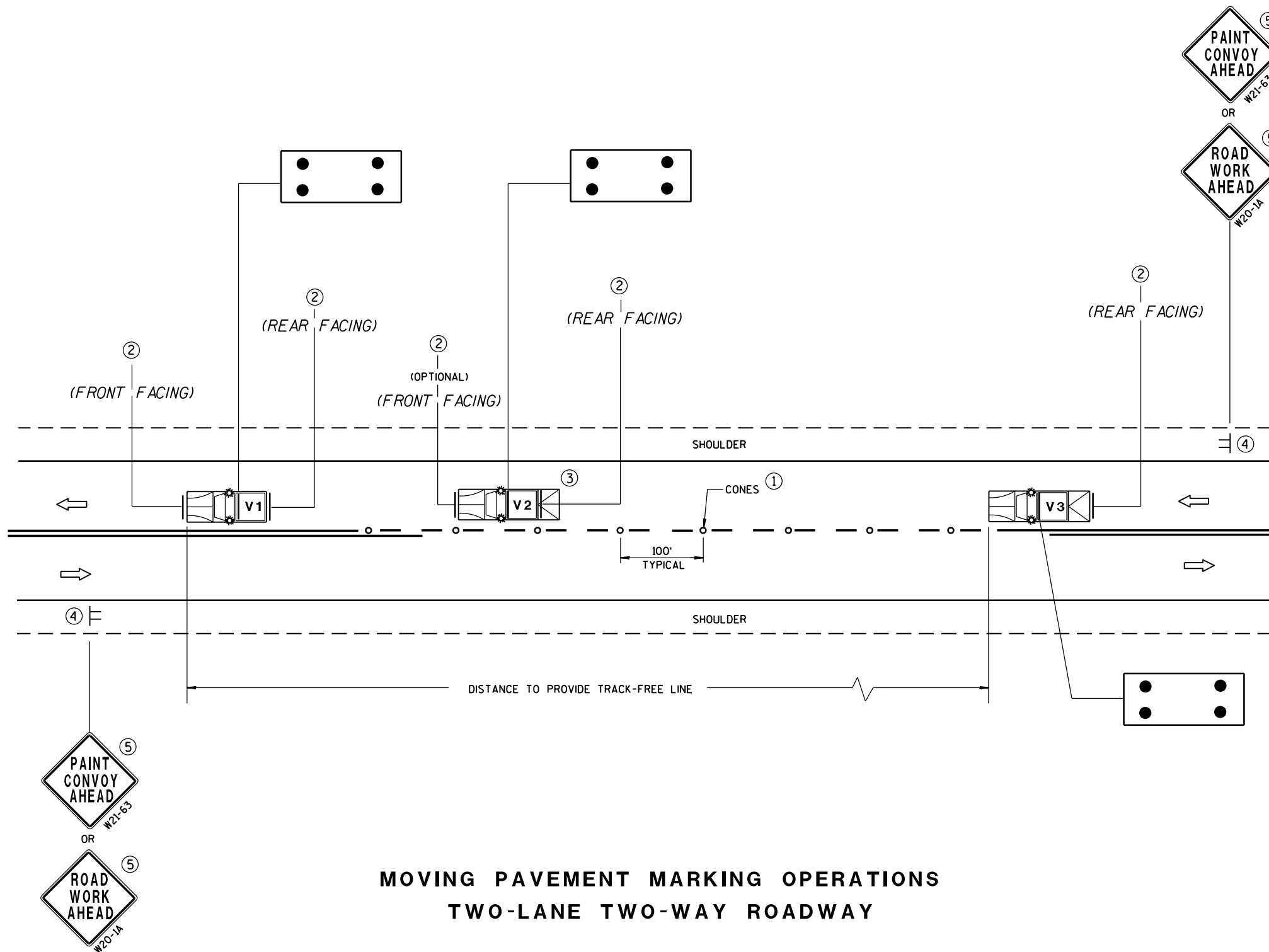


APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 2-5-09 DATE	/S/ Thomas N. Notbohm STATE TRAFFIC ENGINEER OF DESIGN
FHWA	



MOVING PAVEMENT MARKING OPERATIONS TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

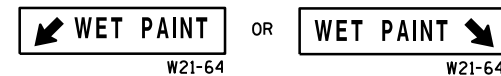
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

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

① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.



③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.

④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1 LEAD VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE WITH TMA

TMA TRUCK-MOUNTED ATTENUATOR

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

CONES

FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

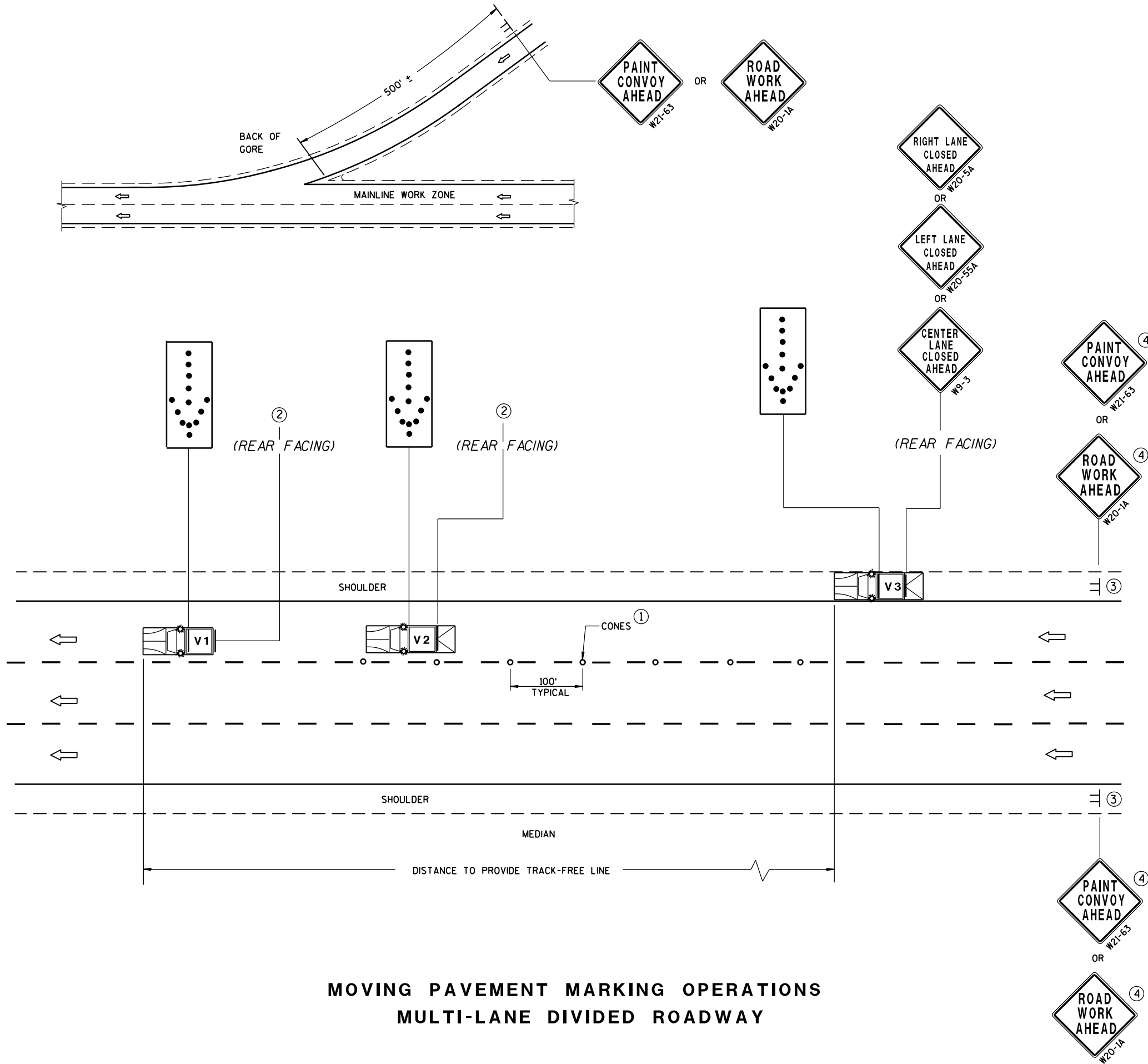
APPROVED

June 2016

DATE

FHWA

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



GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

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

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

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

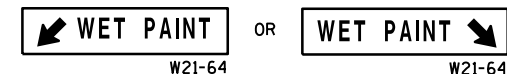
FOR EDGELINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH. USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

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

THIS DRAWING SHALL BE USED FOR EDGELINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.



③ SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.


④ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1 LEAD VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE WITH TMA

 **TMA** TRUCK-MOUNTED ATTENUATOR

 SIGN ON TEMPORARY SUPPORT

 DIRECTION OF TRAFFIC

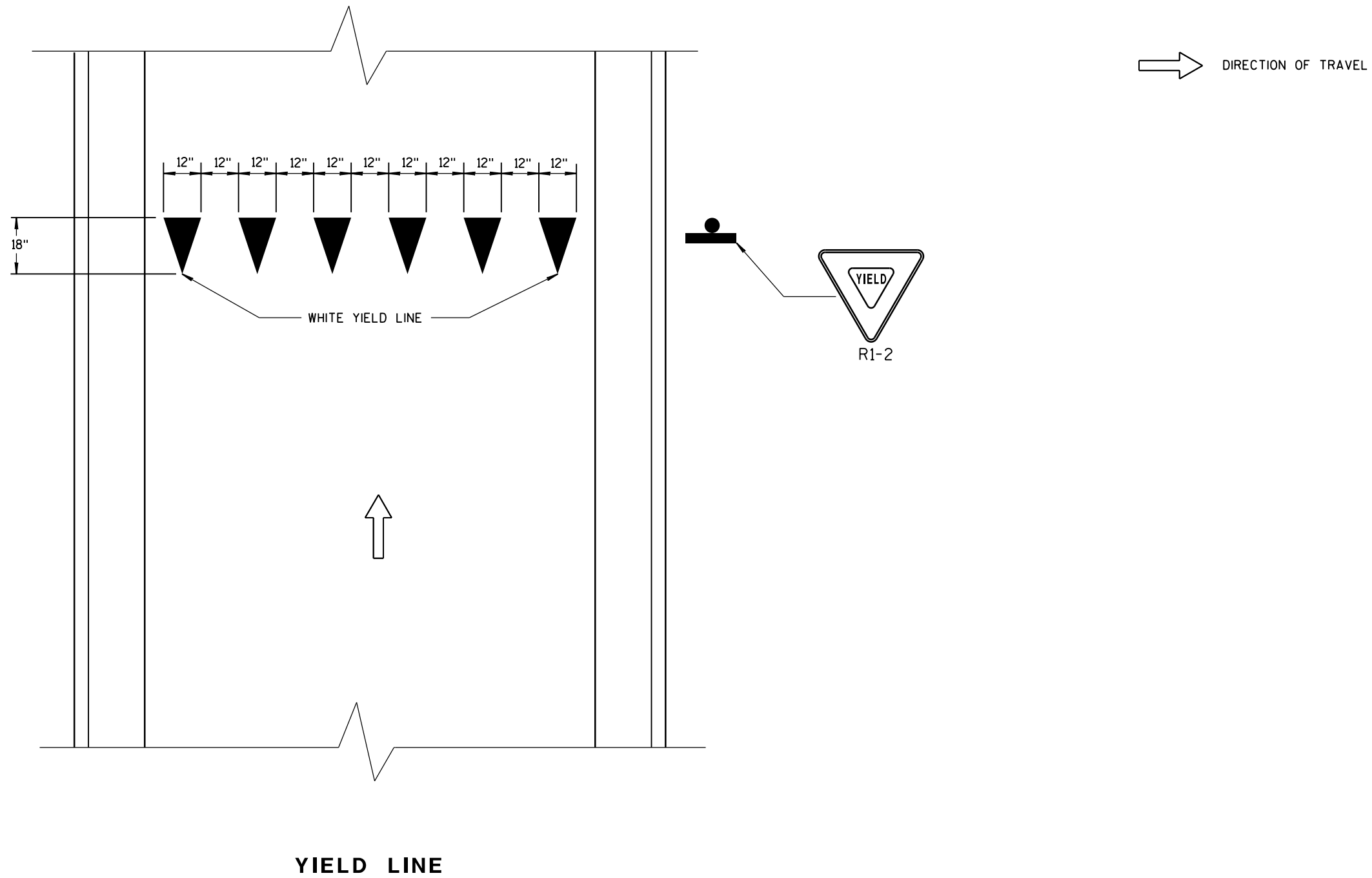
 CONES

 FLASHING ARROW PANEL (MERGE)

**MOVING PAVEMENT MARKING OPERATION
MULTI-LANE DIVIDED ROADWAY**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



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

GENERAL NOTES

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

A DISTANCE DEPENDENT ON SPEED (SEE TABLE)

1 WRONG WAY PREVENTION SIGNS ARE DISCUSSED IN T G M 2-15-12

2 USED ONLY WHEN APPROVED BY REGION TRAFFIC ENGINEER.

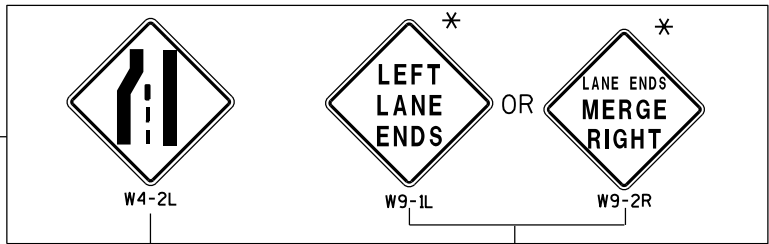
SYMBOLS

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

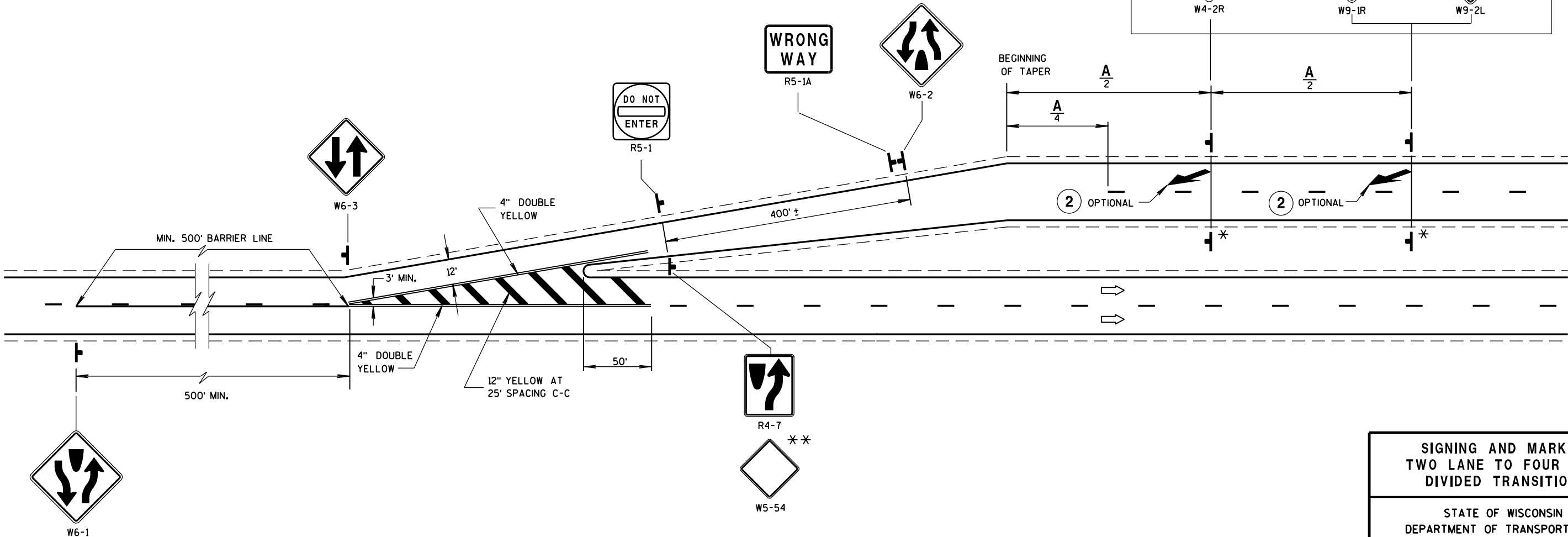
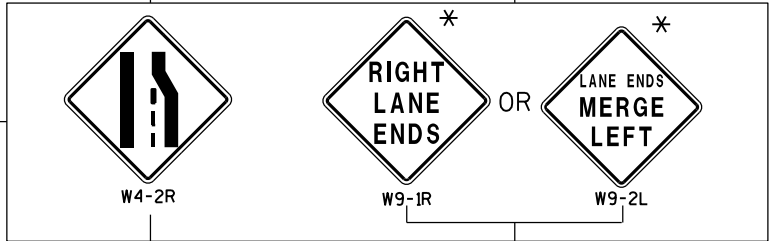
DISTANCE TABLE

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

OPTION 2



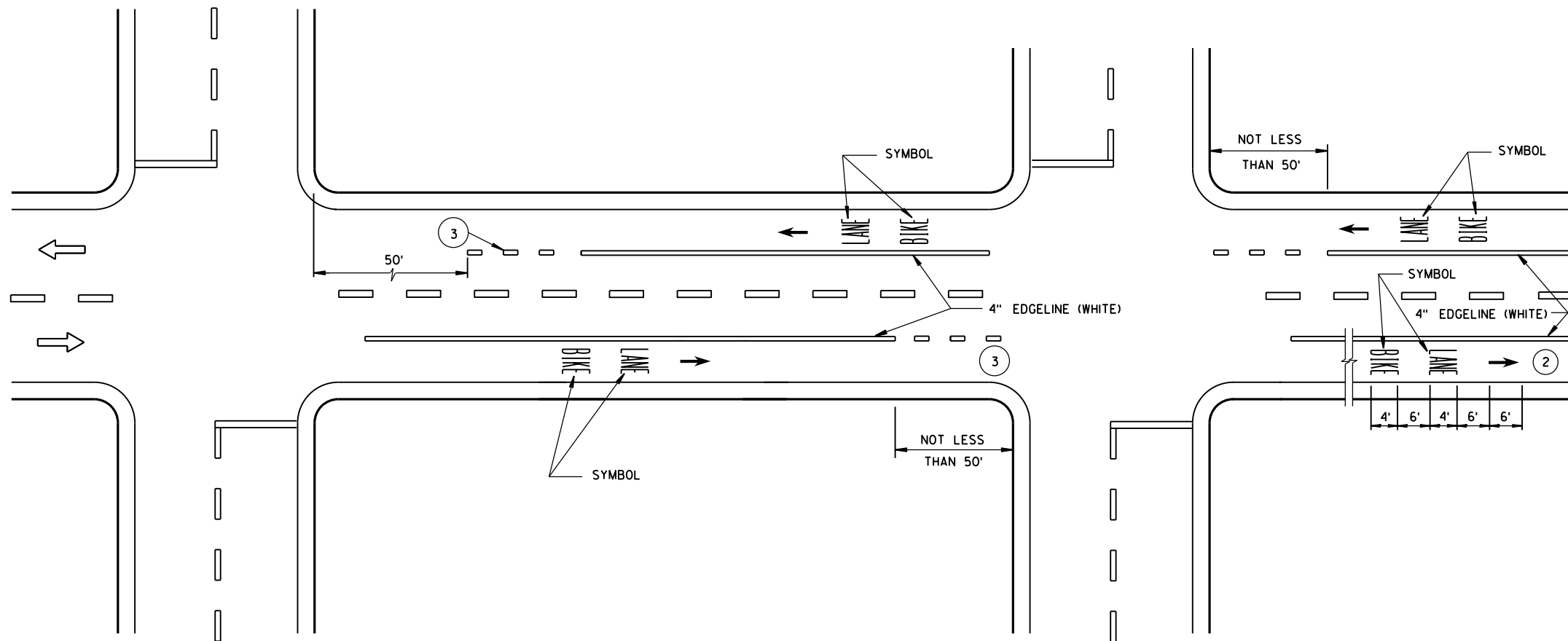
OPTION 1



SIGNING AND MARKING
TWO LANE TO FOUR LANE
DIVIDED TRANSITIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-18-2016 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA

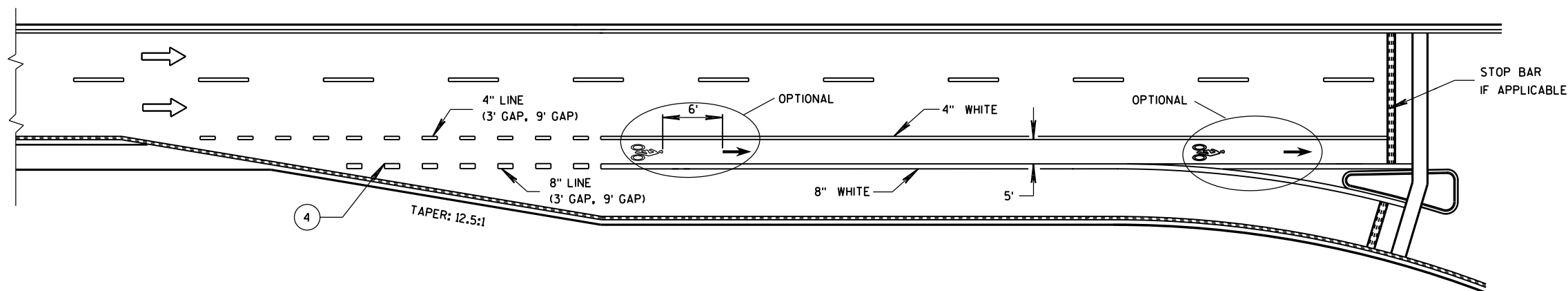


GENERAL NOTES

- ① DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- ② MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
- ③ DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
- ④ IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT.

➡ DIRECTION OF TRAVEL

DESIGNATED BICYCLE LANE NO PARKING



BIKE LANE - 4-LANE DIVIDED WITH RIGHT TURN LANE

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

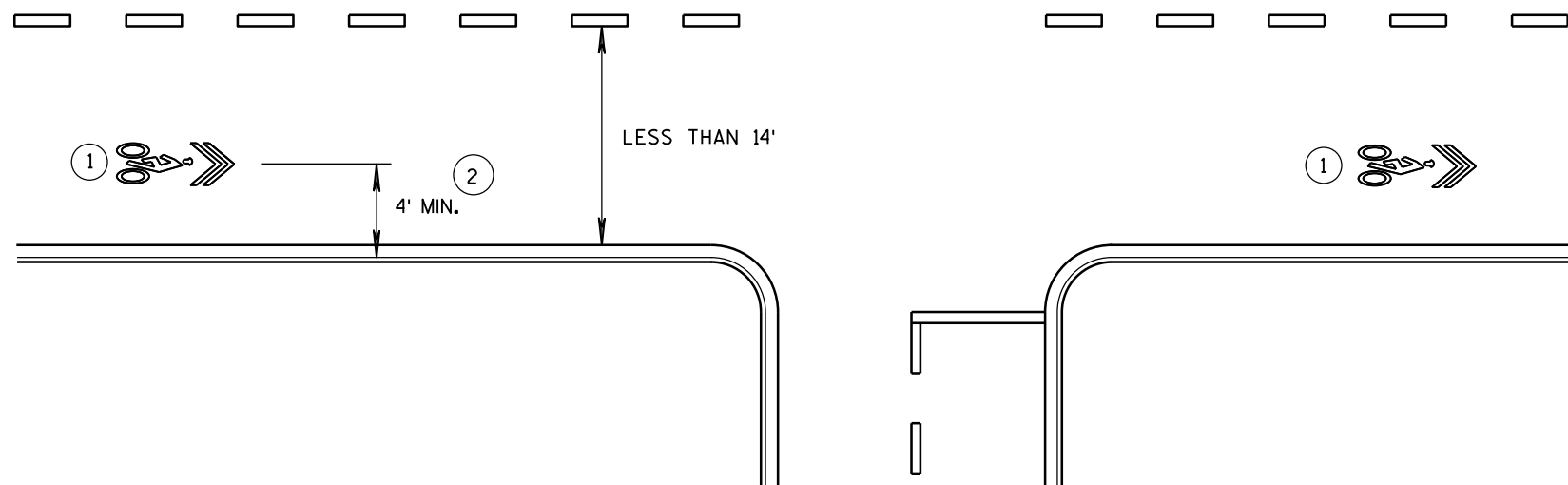
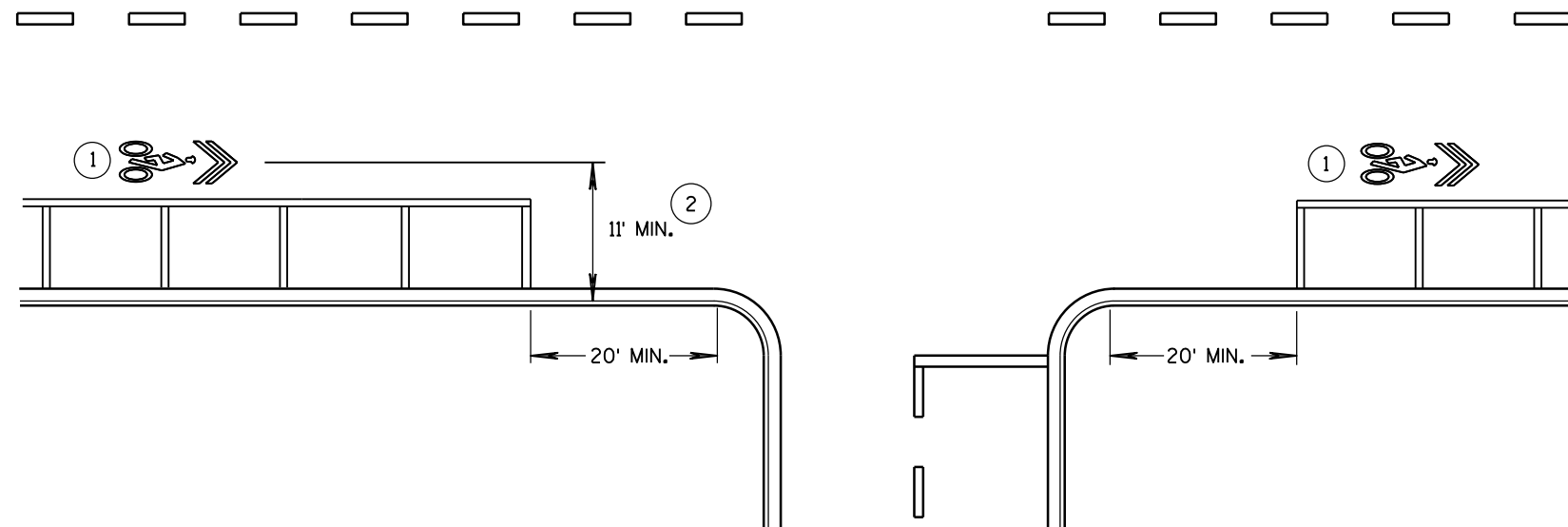
4-18-2016
DATE

FHWA

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

GENERAL NOTES

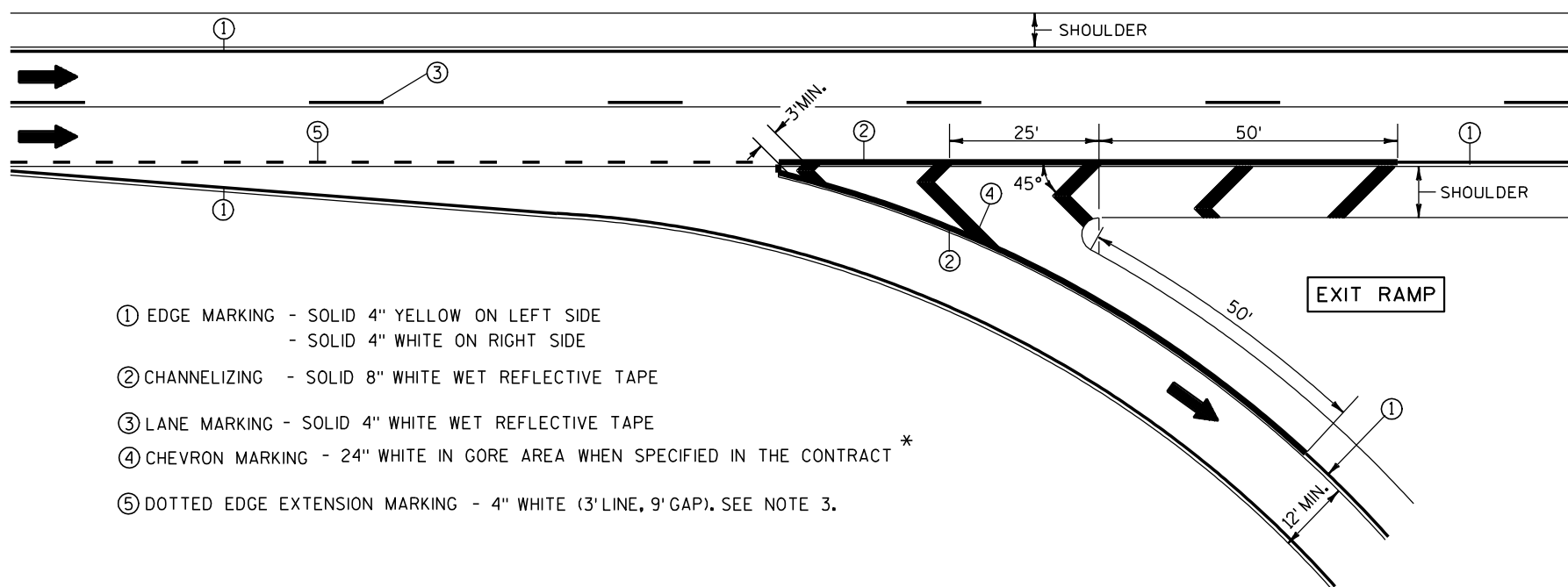
- ① MINIMUM OF ONE PER BLOCK, MAXIMUM OF 250 FEET.
- ② OR TO EDGE OF PAVEMENT WITHOUT CURB.

**WITHOUT PARKING****WITH PARKING**

PAVEMENT MARKING FOR
SHARED LANE
35 MPH OR LESS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-18-2016 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA

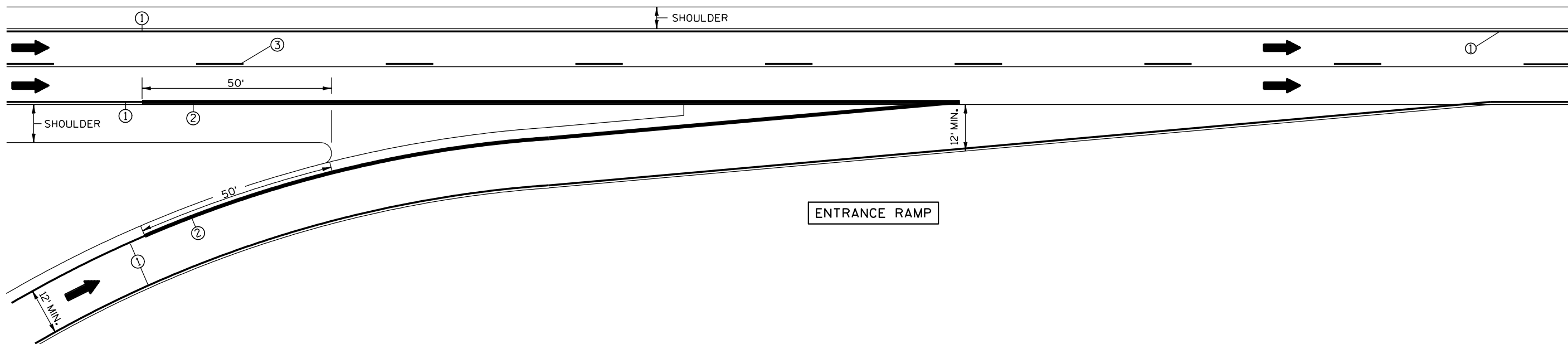


- ① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE
- ② CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE
- ③ LANE MARKING - SOLID 4" WHITE WET REFLECTIVE TAPE
- ④ CHEVRON MARKING - 24" WHITE IN GORE AREA WHEN SPECIFIED IN THE CONTRACT *
- ⑤ DOTTED EDGE EXTENSION MARKING -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

NOTES:

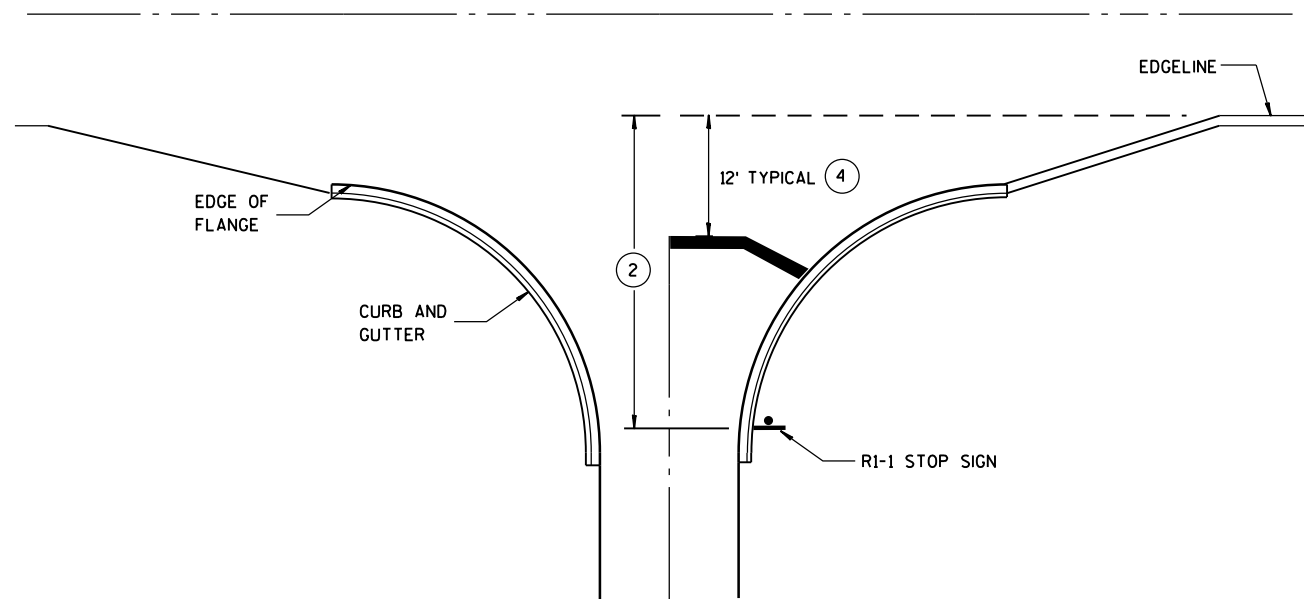
- 1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
- 2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.
- 3. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- 4. RETRACE EXISTING DIAGONAL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

* REFER TO DESIGN NOTES.

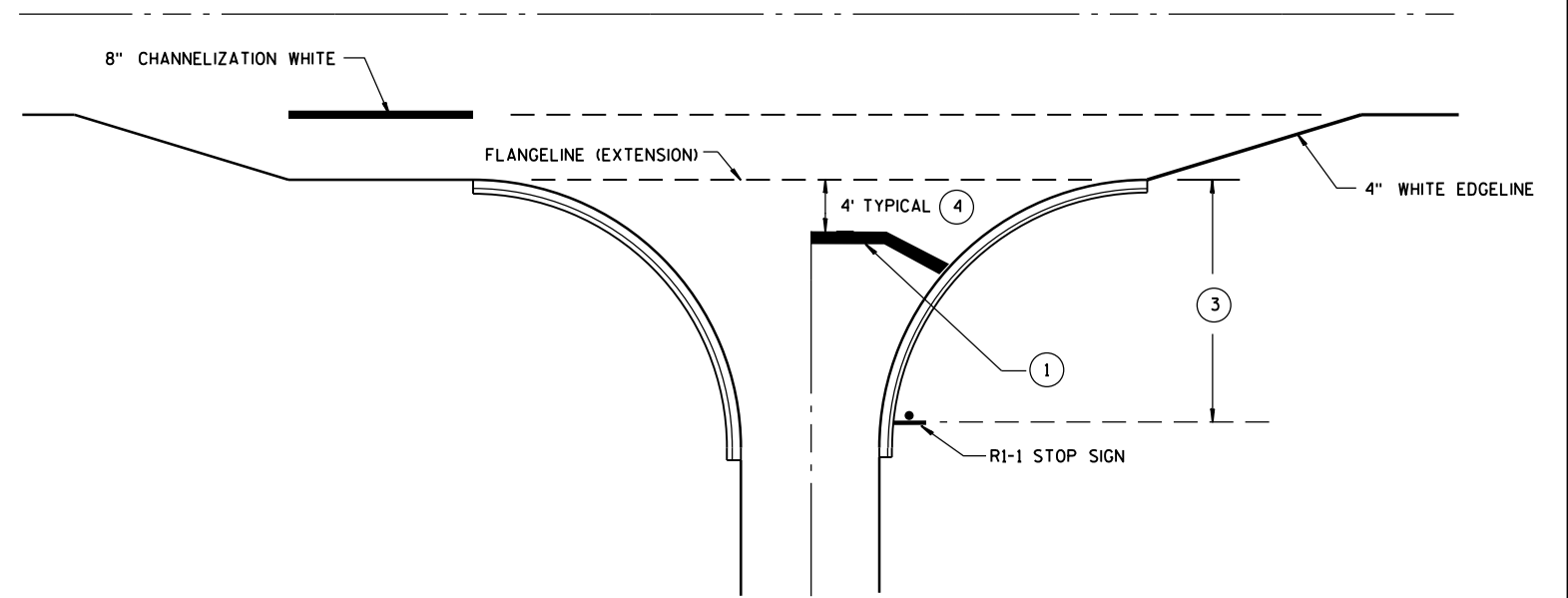


PAVEMENT MARKING
(RAMPS AND GORES)

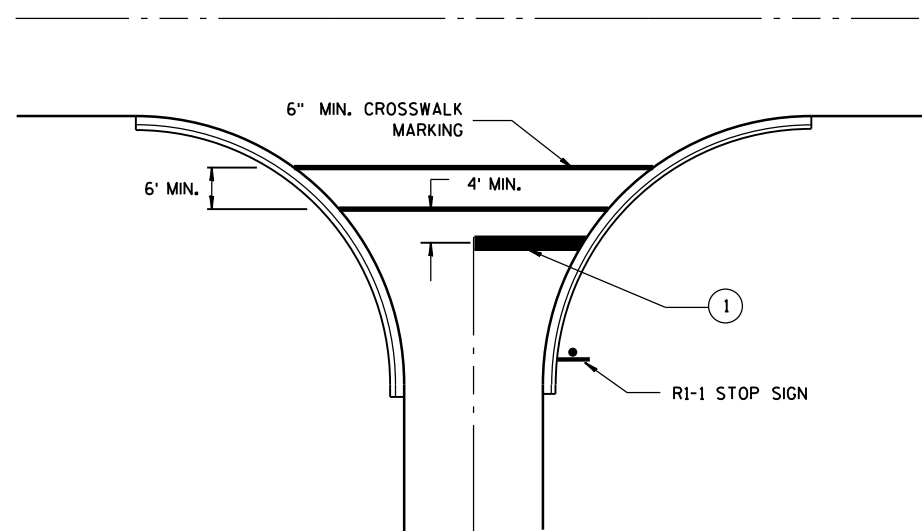
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



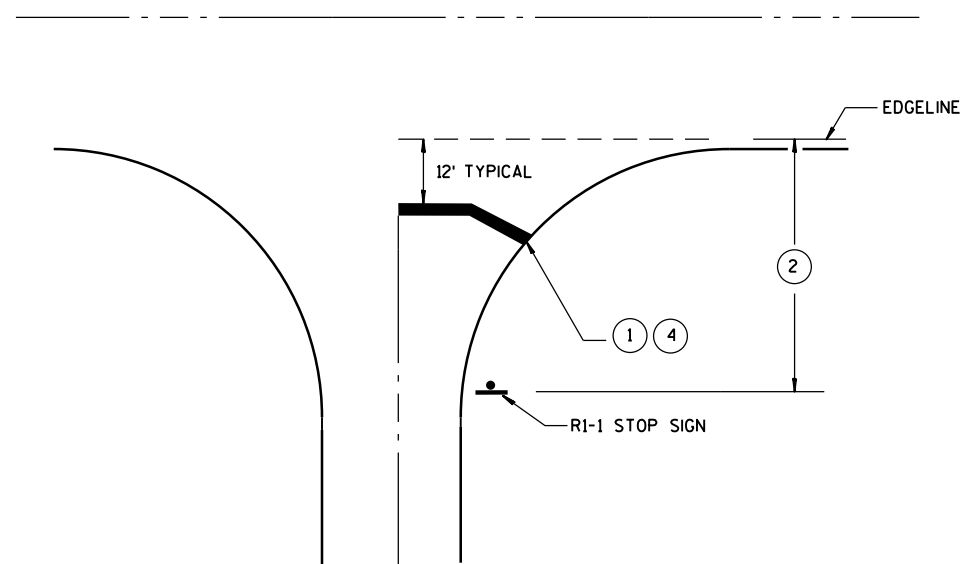
**TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER**



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



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



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

GENERAL NOTES

- ① 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- ② IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGE LINE THAN NO STOP LINE IS REQUIRED.
- ③ IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- ④ MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

**STOP LINE AND CROSSWALK
PAVEMENT MARKING**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-2016
DATE

FHWA

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

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

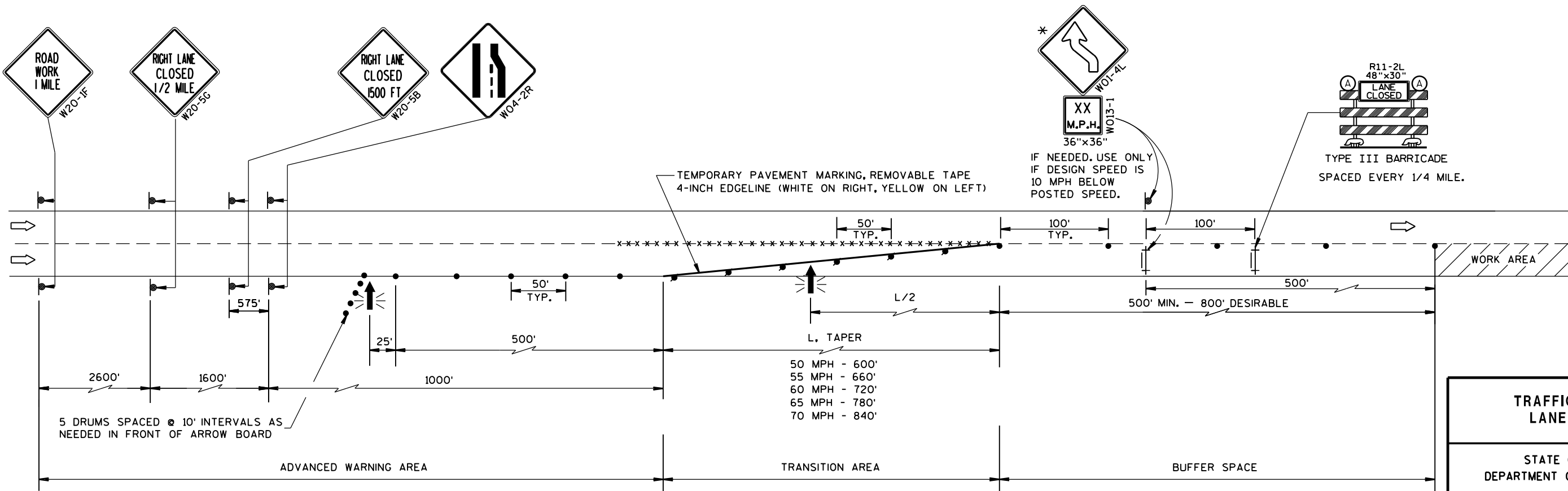
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* THE LEFT REVERSE CURVE SIGN (W01-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED March 2016 DATE	/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA	



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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