

GRE

PROJECT ID: 1009-34-30

WITH: N/A

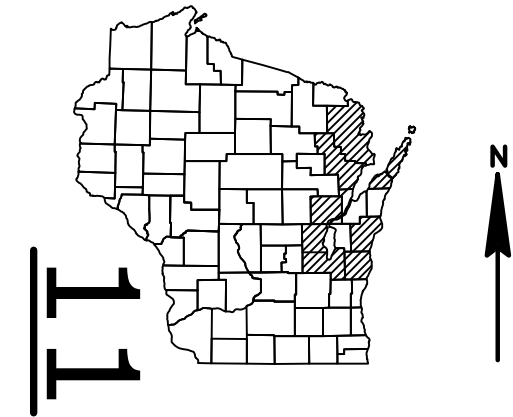
COUNTY: NE REGION WIDE

APRIL 2018

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

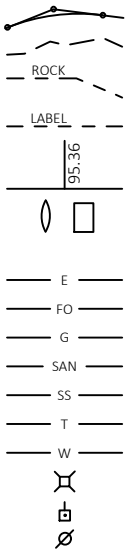
TOTAL SHEETS = 50



CONVENTIONAL SYMBOLS

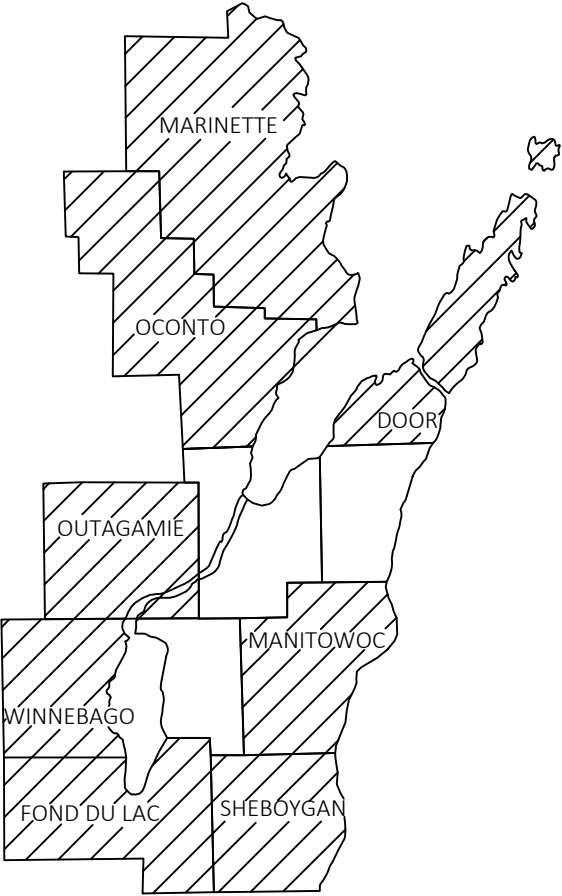
PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

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
VARIOUS STH/USH REGION WIDE
VAR HWY
NORTHEAST REGION WIDE

STATE PROJECT NUMBER
1009-34-30



LAYOUT
SCALE 0 30 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.000

DOOR CO	14	MILES
FOND DU LAC CO	39	MILES
MANITOWOC CO	22	MILES
MARINETTE CO	29	MILES
OCONTO CO	39.5	MILES
OUTAGAMIE CO	44.5	MILES
SHEBOYGAN CO	59	MILES
WINNEBAGO CO	56	MILES
TOTAL	303	MILES

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-34-30		

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: 11-29-17 *Erin Sikorski*
(Signature)

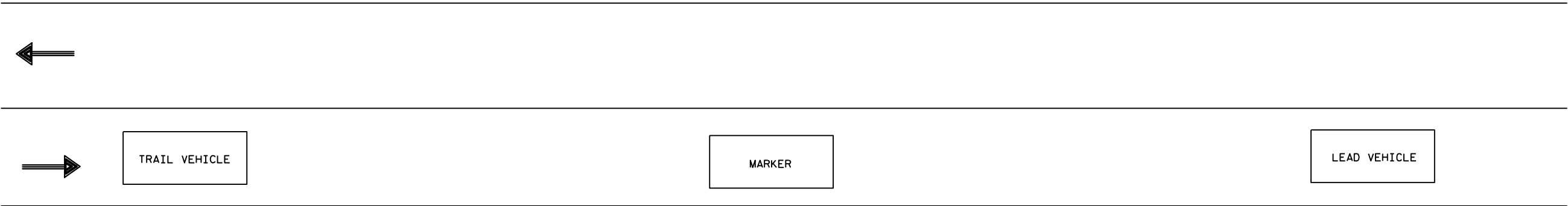
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GENERAL NOTES

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



PROJECT NO: 1009-34-30	HWY: VARIOUS	COUNTY: VARIOUS	GENERAL NOTES	SHEET	E
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FRONT AND REAR ARROW BOARDS

REAR ARROW BOARD

FRONT AND REAR ARROW BOARDS

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

SIGN FACING REAR
"WET PAINT/EPOXY"
FREQUENT STOPS

SIGN FACING FRONT
"ROADWAY MARKING"
KEEP RIGHT

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

* NUMBER OF VEHICLES IN CONVOY

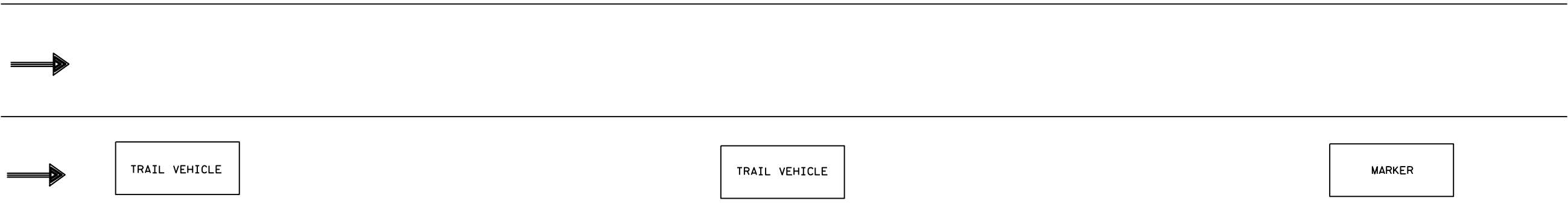
** COLOR OF MARKING MATERIAL

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



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)

Estimate Of Quantities

1009-34-30

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	4,146,810.000	4,146,810.000
0006	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	26,335.000	26,335.000
0008	646.1555	Marking Line Grooved Contrast Permanent Tape 4-Inch	LF	23,700.000	23,700.000
0010	646.3020	Marking Line Epoxy 8-Inch	LF	48,835.000	48,835.000
0012	646.3555	Marking Line Grooved Contrast Permanent Tape 8-Inch	LF	36,305.000	36,305.000
0014	646.5020	Marking Arrow Epoxy	EACH	53.000	53.000
0016	646.5120	Marking Word Epoxy	EACH	33.000	33.000
0018	646.5320	Marking Railroad Crossings Epoxy	EACH	6.000	6.000
0020	646.5420	Marking Aerial Enforcement Bar Epoxy	EACH	1,068.000	1,068.000
0022	646.6120	Marking Stop Line Epoxy 18-Inch	LF	996.000	996.000
0024	SPV.0090	Special 01. Marking Wet Reflective Epoxy 4-Inch	LF	898,265.000	898,265.000
0026	SPV.0090	Special 02. Marking Wet Reflective Epoxy 8-Inch	LF	6,270.000	6,270.000
0028	SPV.0105	Special 01. Traffic Control 1009-34-30	LS	1.000	1.000

PAVEMENT MARKING

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.3020 EPOXY 8-INCH LF	646.5420 AERIAL ENFORCEMENT BAR EPOXY 24-INCH L.F.	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF			
IH 43		7.50						
From: Sheboygan SCL	0.00							Sheboygan/Ozaukee County Line
To: Wilson Lima Rd	7.50							Wilson Lima Rd overpass
North Bound			36,000		40,000			Right/Left Edge Lines
STH 32 Exit Ramp			1,800	140	800	85		Mini Dash/Ramp Edge Lines/Island Gore`
STH 32 On Ramp			2,115		950		24	Ramp Edge Lines / 2 Sets Aerial
CTH AA Exit Ramp			1,800	150	845	85		Mini Dash/ Ramp Edge Lines/Island Gore
CTH AA On Ramp			2,115		950			Enterance Ramp Edge Lines
South Bound			36,000		40,000			Right/Left Edge Lines
CTH AA Exit Ramp			1,800	175	845	85		Mini Dash/Ramp Edge Lines
CTH AA On Ramp			2,000		800			Enterance Ramp Edge Lines
STH 32 Exit Ramp			1,745	160	800	85		Exit Mini Dash / Ramp Edge Lines
STH 32 On Ramp			2,165		900		24	Enterance Ramp Edge Lines
SUB-TOTALS			87,540	625	86,890	340	48	
TOTAL				175,055		340	48	

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH		646.3020 EPOXY 8-INCH LF	646.5420 AERIAL ENFORCEMENT BAR EPOXY 24-INCH L.F.	REMARKS
			SOLID WHITE LF	SOLID YELLOW LF			
IH 43		10.50					
From: Wilson Lima Rd	7.50						Wilson Lima Rd overpass 1 mi N of CTH AA
To: STH 42	17.90						Jct STH 42/IH 43
North Bound							
Edge Lines			50,000	53,000			Rt/Lt Edge lines
CTH V/OK			1,900	950			Mini Dash @ Exit Ramp Edge Lines
CTH V/OK			2,220	1,000			Enterance Ramp Edge Lines
STH 28			1,800	800			Mini Dash @ Exit Ramp Edge Lines
STH 28			1,960	800			Enterance 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			Enterance Ramp Edge Lines
South Bound							Jct STH 42
Edge Lines			48,000	54,250			Rt/Lt Edge Lines
STH 42			1,795	1,225	740		Exit Gore / Ramp Edge Lines
STH 42			1,745	580			Enterance Ramp Edge Lines
STH 28			1,425	580			Mini Dash @ Exit Ramp Edge Lines
STH 28			2,000	740			Enterance 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						60	5 Sets N of CTH V/OK
SUB-TOTALS			149,160	138,535	740	60	
				287,695	740	60	

PAVEMENT MARKING SUMMARY (con't.)

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH				646.3020	646.6120	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	DASHED YELLOW LF	EPOXY 8-INCH LF	STOP LINE EPOXY 18-INCH LF	
STH 21		7							
From: Winnebago WCL	0.00								Winnebago/Waushara Co line
To: Omro	7.00								Jct STH 116 East Bound
East Bound			36,600		33,200	3,885			Edgeline/Centerline
CTH K							425		Right Turn
Jct STH 116							210	15	Median Island Gore/Stop Bar
West Bound			36,650						Edgeline
CTH K							150		Right Turn
Passing Lane				1,340					Mini-dash/Lane Line
SUBTOTAL			73,250	1,340	33,200	3,885	785	15	
TOTAL					111,675		785	15	

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

PAVEMENT MARKING SUMMARY (con't.)

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.3020 EPOXY 8-INCH LF	646.5320 RAILROAD CROSSING EPOXY EACH	646.6120 STOP LINE EPOXY 18-INCH LF	646.5420 AERIAL ENFORCEMENT BAR EPOXY 24-INCH LF	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF					
STH 57		15.00								
From: Sheboygan SCL	0.00									Sheboygan/Ozaukee Co Line
To: STH 23	15.00									STH 23 West Ramps/end divided
North Bound										
Edge Lines			74,870	17,000	73,500					Edge Lines Rt/Lt Begin Lane Line @ End Contrast Tape
Aerial Bars									60	5 Sets North of CTH N
CTH PP/CTH C							2			Rail Road Marking Between CTH PP/CTH C
CTH PP						385				Left Turn Island Gore
CTH C						425		60		Left Turn Island Gore/Stop Bar
South Bound										
Edge Lines/Lane Line			72,700	17,500	72,700					Edge Lines Rt/Lt End Lane Line @ Begin Contrast Tape
CTH C						450		60		Left Turn Island Gore/Stop Bar
CTH PP						400				Left Turn Island Gore
CTH C/CTH PP							2			Rail Road Marking Between CTH C/CTH PP
Aerial Bars									60	5 Sets North of CTH N
SUBTOTAL			147,570	34,500	146,200	1,660	4	120	120	
TOTAL				328,270		1,660	4	120	120	

LOCATION	LOG MILE	MILE	SPV.0090.01 WET REFLECTIVE 4 INCH EPOXY SOLID WHITE LF		REMARKS
STH 42		12.00			Grooved Edge Line
From: Mid Jct STH 42/STH 57	91.50				Sturgeon Bay
To: Egg Harbor	103.70				Rainbow Ridge Ct
North Bound			58,200		Apply to existing groove
South Bound			57,815		Apply to existing groove
TOTAL			116,015		

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH SOLID YELLOW LF		REMARKS
STH 42		3.00			
From: CTH Y	4.75				CTH Y Round-A-Bout
To:Jct STH 32	7.50				Howards Grove @ Jct STH 32
North Bound			13,500		Center Line
TOTAL			13,500		

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH SOLID WHITE LF		SOLID YELLOW LF	REMARKS
STH 42		2				
From: Gills Rock	129.50					
To: Northport	131.70					
North Bound			11,565		23,125	Edge Line/Center Line
South Bound			11,300			Edge Line
SUBTOTAL			22,865		23,125	
TOTAL					45,990	

PAVEMENT MARKING (con't.)

LOCATION	LOG MILE	MILE	SPV.0090.01 WET REFLECTIVE EPOXY			SPV.0090.02	REMARKS
			4 INCH SOLID YELLOW LF	4 INCH DASHED WHITE LF	4 INCH SOLID WHITE LF	8 INCH SOLID WHITE LF	
STH 32		8.50					Wet Reflective Epoxy
From: Gillette	106.40						Town Hall Rd
To: Suring	114.85						CTH V/Golf Course Rd
North Bound					43,940		Apply to Grooved Edge Line
CTH H				65			Apply to Grooved Bypass Lane
Hill Passing section				1,425			Apply to Grooved Lane Line
Valley Lane Rd						200	Apply to Grooved Turn Lane
Claywood Rd						200	Apply to Grooved Turn Lane
CTH A						200	Apply to Grooved Turn Lane
CTH M/Z						320	Apply to Grooved Turn Lane
South Bound					43,825		Apply to Grooved Edge Line
CTH V						100	Apply to Grooved Turn Lane
CTH M/Z				35			Apply to Grooved Bypass Lane
CTH A						100	Apply to Grooved Turn Lane
Claywood						200	Apply to Grooved Turn Lane
Hill Passing section				1,675			Apply to Grooved Lane Line
Four Towns Rd						200	Apply to Grooved Turn Lane
Klaus Lake Rd						200	Apply to Grooved Turn Lane
Spring Hill Rd						100	Apply to Grooved Turn Lane
CTH H						100	Apply to Grooved Turn Lane
Townhall Rd						200	Apply to Grooved Turn Lane
LOCATION							
STH 32		8.50					Wet Reflective Epoxy
From:Suring	116.55						River Rd
To: Anderson Lake	125.10						Moody Lake Rd
North Bound					45,100		Apply to Grooved Edge Line
Hill Passing section				900			Apply to Grooved Lane Line
N Jct CTH M/R				65			Apply to Grooved Bypass Lane
Hill Passing section				1,530			Apply to Grooved Lane Line
Logan Rd						200	Apply to Grooved Turn Lane
Wendt Rd						100	Apply to Grooved Turn Lane
Moody Lake Rd to Parkway Dr			24,500				Apply to Grooved Centerline
South Bound					45,000		Apply to Grooved Edge Line
Bonita Rd						100	Apply to Grooved Turn Lane
Hill Passing section				1,675			Apply to Grooved Lane Line
N Jct CTH M/R						300	Apply to Grooved Turn Lane
S Jct CTH M/R						345	Apply to Grooved Turn Lane
LOCATION							
STH 32		2.00					Wet Reflective Epoxy
From: Anderson Lake	125.10						Moody Lake Rd
To: Chute Pond	127.20						South Jct STH 64
North Bound					10,350		Apply to Grooved Edge Line

Location totals in following sheet.

PAVEMENT MARKING (con't.)

LOCATION	LOG MILE	MILE	SPV.0090.01 WET REFLECTIVE EPOXY			SPV.0090.02 WET REFLECTIVE EPOXY	REMARKS
			4 INCH SOLID YELLOW LF	4 INCH DASHED WHITE LF	4 INCH SOLID WHITE LF	8 INCH SOLID WHITE LF	
South Jct STH 64						320	
South Bound					9,800		Apply to Grooved Edge Line
South Shore Dr						100	Apply to Grooved Turn Lane
Leos Rd						100	Apply to Grooved Turn Lane
LOCATION							
STH 32		4.00					Wet Reflective Epoxy
From:Parkway Rd	127.90						Chute Pond
To:Mountain	131.85						Church Rd
North Bound					20,750		Apply to Grooved Edge Line
Knollwood Lane						100	Apply to Grooved Turn Lane
South Bound					20,540		Apply to Grooved Edge Line
STH 64 East Bound				75			Apply to Grooved Bypass Lane
LOCATION							Wet Reflective Epoxy
STH 32		8.50					
From: Mountain	132.50						Sparkys' Rd
To:Lakewood	140.90						Twin Pines Rd
North Bound					43,150		Apply to Grooved Edge Line
Sparkys'Rd						125	Apply to Grooved Turn Lane
N Jct STH 65				65			Apply to Grooved Bypass Lane
Hill Passing section				1,385			Apply to Grooved Lane Line
Tar Dam Rd						200	Apply to Grooved Turn Lane
Maiden/Paya Lake Rd						100	Apply to Grooved Turn Lane
South Bound					43,100		Apply to Grooved Edge Line
Maiden/Paya Lake Rd						100	Apply to Grooved Turn Lane
Hill Passing section				1,675			Apply to Grooved Lane Line
Island Lake Rd						160	Apply to Grooved Turn Lane
STH 64 West Bound						320	Apply to Grooved Turn Lane
Section 4 Lane						100	Apply to Grooved Turn Lane
Elbe Lane						100	Apply to Grooved Turn Lane
LOCATION							
STH 32		8.00					Wet Reflective Epoxy
From: Lakewood	141.50						Emmalea/Big Hill Rd
To: Oconto NCL	149.50						Oconto/Forest Co Line
North Bound					40,250		Apply to Grooved Edge Line
CTH T						200	Apply to Grooved Turn Lane
Elm St						200	Apply to Grooved Turn Lane
Church St						160	Apply to Grooved Turn Lane
Forest Hill Dr						160	Apply to Grooved Turn Lane
Hill Passing section				1,070			Apply to Grooved Lane Line
South Bound					36,200		Apply to Grooved Edge Line
Diamond Roof Rd						100	Apply to Grooved Turn Lane
Mosquito Rd						100	Apply to Grooved Turn Lane
Valley View						200	Apply to Grooved Turn Lane
Forest Hill Rd						160	Apply to Grooved Turn Lane
SUB-TOTALS		39.500	24,500	11,640	402,005	6,270	
TOTALS				438,145		6,270	

PAVEMENT MARKING (con't.)

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH		646.3020	REMARKS
			SOLID WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	
STH 42		19.00				
From : Jct STH 32	7.50					Jct STH 32 Howards Grove
To: USH 151	26.20					Jct USH 151 Manitowoc
North Bound			93,000	107,000		Center Line/Edge Line
S Cleveland Rd					100	Rt Turn
W Washington Rd					100	Rt Turn
S Jct CTH XX					160	Rt Turn
N Jct CTH XX					100	Rt Turn
CTH X					100	Rt Turn
Ucker Point Creek Rd					100	Rt Turn
CTH F					100	Rt Turn
Newton Rd					100	Rt Turn
Brunner Rd					100	Rt Turn
CTH C					200	Rt Turn
S Union Rd					100	Rt Turn
Carstens Lake Rd					100	Rt Turn
Carstens Rd					100	Rt Turn
English Lake Rd					100	Rt Turn
Newtonburg Rd					100	Rt Turn
Gass Lake Rd					100	Rt Turn
Jct USH 151					100	Rt Turn
South Bound			93,000			Edge Line
Victoria Rd					100	Rt Turn
Newtonburg Rd					100	Rt Turn
Center Rd					100	Rt Turn
Newtonburg Rd					100	Rt Turn
Carstens Lake Rd					100	Rt Turn
S Union Rd					100	Rt Turn
CTH C					160	Rt Turn
Pine River Rd					100	Rt Turn
Newton Rd					100	Rt Turn
CTH F					100	Rt Turn
Ucker Point Creek Rd					100	Rt Turn
CTH X					100	Rt Turn
Pioneer Rd					100	Rt Turn
N Jct CTH XX					160	Rt Turn
S Jct CTH XX					100	Rt Turn
W Washington Rd					100	Rt Turn
S Cleveland Rd					100	Rt Turn
SUB-TOTALS			186,000	107,000	3,680	
TOTALS			293,000		3,680	

PAVEMENT MARKING (con't.)

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.3020 EPOXY 8-INCH LF	646.6120 STOP LINE EPOXY 18-INCH LF	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF			
STH 47		8.00						
From: STH 54	20.04							Black Creek
To: Outagamie/Shawano Line	27.85							Outagamie North County Line
North Bound			39,600		44,850			Edge Line/Center Line
CTH G						200		Right Turn Lane
Deerview Rd				65				By Pass Lane
Climbing Lane				1,610				Climbing Lane
CTH V V						200		Right Turn Lane
CTH F						100		Right Turn Lane
South Bound			39,500					
CTH F						300		Right Turn
CTH V V				65				Bypass Lane
Deerview Rd						100		Right Turn
CTH G						100		Right Turn
Climbing Lane				1,610				Climbing Lane
Stop Bars								
Junction STH 54								
STH 47							30	STH 47 North Bound
STH 47							25	STH 47 South Bound
STH 54							25	STH 54 East Bound
STH 54							25	STH 54 West Bound
SUBTOTAL			79,100	3,350	44,850	1,000	105	
TOTAL				127,300		1,000	105	

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH		646.3020 EPOXY 8-INCH LF	647.6120 STOP LINE EPOXY 18-INCH LF	REMARKS
			SOLID WHITE LF	SOLID YELLOW LF			
STH 55		14.00					
From: USH 41	23.00						Kaukauna @ End Divided
To: STH 54	36.75						Jct STH 54/55
North Bound			68,425	32,840			Edge Line/Center Line
CTH JJ					210		Rt Turn
CTH UU					195		Rt Turn
CTH E						25	Jct CTH E North Bound
CTH S					160		Rt Turn
CTH J					100		Rt Turn
Jct STH 54					175	35	Stop Bar/Island Median
South Bound			66,950				Edge Line
CTH J					100		Rt Turn
CTH S					160		Rt Turn
CTH E					100	30	Rt Turn/Stop Bar
Sonnie Ln					200		Rt Turn
CTH JJ/CC					150		Rt Turn
SUB TOTALS			135,375	32,840	1,550	90	
TOTALS				168,215	1,550	90	

PAVEMENT MARKING (con't.)

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.3020	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	
STH 116		4.00					
From: STH 91	0.00						Waukau
To: Omro	4.00						Begin Curb/Gutter
East Bound			20,600		35,000		Center Line/Edge Line
Old Mill Rd						100	Rt Turn
CTH K				60			Dashed edge line extension
CTH E				75			Dashed edge line extension
West Bound			20,650				Edge Line
CTH E				60			Dashed edge line extension
CTH K				20			Dashed edge line extension
STH 91						60	Island Gore
SUBTOTAL			41,250	215	35,000	160	
TOTAL				76,465		160	

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH		646.3020	REMARKS
			SOLID WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	
STH 67		7.00				
From: Kiel	42.75					Begin @ Roundabout CTH AA
To: USH 151	49.90					Jct USH 151/STH 67
North Bound			36,800	23,400		Edge Line/Center Line
Jct STH 151					30	Island Gore
South Bound			37,300			Edge Line
SUB-TOTALS			74,100	23,400	30	
TOTAL				97,500	30	

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
North Bound			47,500	29,300		Edge Line/Center Line
CTH J					200	Rt Turn
CTH A					200	Rt Turn
South Bound			48,325			Edge Line
CTH J					200	Rt Turn
STH 23 WB					200	Rt Turn
STH 23 EB					200	Rt Turn
SUBTOTAL			95,825	29,300	1,000	
TOTAL				125,125	1,000	

PAVEMENT MARKING (con't.)

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.3020	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	
STH 67		10					
From: Sheb/FDL	18.85						Sheb/FDL Co Line
To: Plymouth	29.15						River Bend Dr/Curb Gutter
North Bound			53,220		68,550		Edge Line/Center Line
CTH V						100	Rt Turn
CTH U						100	Rt Turn
CTH U						100	Rt Turn
CTH A						100	Rt Turn
Silver Spring Ln						100	Rt Turn
Oak Rd						100	Rt Turn
Country Aire Rd						100	Rt Turn
CTH E						200	Rt Turn
Hillwind Rd						100	Rt Turn
CTH E/PP						200	Rt Turn
South Bound			53,220				Edge Line
Hillwind Rd				65			Bypass Ln
CTH E				75			Bypass Ln
Country Aire Rd						100	Rt Turn
Oak Rd						100	Rt Turn
CTH A						100	Rt Turn
Kettle Moraine Dr						100	Rt Turn
Forest Dr						100	Rt Turn
CTH U						100	Rt Turn
SUBTOTAL			106,440	140	68,550	1,800	
TOTAL				175,130		1,800	

LOCATION	LOG MILE	MILE	646.1040 GROOVED WET REFLECTIVE EPOXY 4-INCH			REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	
STH 187		10.50				
From: STH 54	0.00					Shiocton
To: Outagamie/Shawano Line	10.50					Leeman
No Passing Zone Changes					11,205	Grooved Center Line Changes
Section of asphalt not grooved		1.00				North of Deerview/South of Schinke Rd
North Bound			3,835			Grooved Edge Line
Tower Rd				30		Intersection Edge Line Extension
Grooved Center Line					7,415	Grooved Center Line
South Bound			3,820			Grooved Edge Line
Greely Rd				30		Intersection Edge Line Extension
SUBTOTAL			7,655	60	18,620	
TOTAL				26,335		

PAVEMENT MARKING (con't.)

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.3020 EPOXY 8-INCH LF	646.5420 AERIAL ENFORCEMENT BAR EPOXY 24-INCH LF	646.5020 ARROWS			646.5120 WORDS EPOXY (ONLY) EACH	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF			TYPE 2 EACH	EPOXY TYPE 3 EACH	TYPE 2R EACH		
IH 41		17.00										
From: STH 26	24.10											Pavement Change 1/2 mile South of STH 26
To: Breezewood Lane	41.15											Neenah @ Breezewood Lane
North Bound			79,000		90,100							Mainline Edge Lines
STH 26 Exit Ramp			1,960		1,200							Ramp Edge Lines
STH 26 On Ramp			2,000		625							Ramp Edge Lines
STH 44 Exit Ramp			1,680	165	1,000			1	1			Ramp Edge Lines/Duel turn to STH 44 SB
STH 44 On Ramp			1,680	75	475							Ramp Edge Lines/Dashes
9th Ave Exit			1,200		560							Ramp Edge Lines
9th Ave On Ramp			1,925	115	560							Ramp Edge Lines/Dashes
STH 21 Exit Ramp			1,660	40	510							Ramp Edge Lines/Dashes
STH 21 On Ramp			2,370		1,300							Ramp Edge Lines
USH 45/USH 10 Exit			2,500		865							Ramp Edge Lines
USH 45S/USH 10W			3,870		4,400							Ramp Edge Lines
USH 45/USH 10 On Ramp			2,400		1,150							Ramp Edge Lines
STH 76 Exit Ramp			1,350	100	800	800		4	3		4	Ramp Edge lines/Crash Inves/Duel Turn 76N
STH 76 On Ramp			2,835		1,525							Ramp Edge Lines
Breezewood Lane Exit Ramp			1,900		800						4	Ramp Edge Lines
Breezewood Lane On Ramp			2,600		800							Ramp Edge Lines
Aerial Enforcement Bars												Aerial/Vascar Enforcement Bars
STH 26							24					STH 26 Northeast On Ramp 2 sets
STH 44							24					STH 44 Northeast On Ramp 2 sets
9th Ave							24					9th Ave Northeast On Ramp 2 sets
STH 21							24					STH 21 Northeast On Ramp 2 sets
North of USH 45							60					Begin North of USH 45 5 Sets
Breezewood Lane							24					Breezewood Lane Northeast On Ramp 2 sets
South Bound			87,200		88,100							Mainline Edge Lines
Breezewood Lane Exit Ramp			2,050		750							Ramp Edge Lines
Breezewood Lane On Ramp			1,800		1,225							Ramp Edge Lines
STH 76 Exit Ramp			1,985		835			6	3		6	Ramp Edge Lines/Special Marking
STH 76 On Ramp			2,430		1,150							Ramp Edge Lines
USH 45 Exit			1,970		970			4		2	3	Ramp Edge Lines/Special Marking
USH 45 On Ramp			4,175		1,535							Ramp Edge Lines
STH 21 Exit Ramp			1,375		845			4		1	3	Ramp Edge Lines/Special Marking
STH 21 On Ramp			2,300	100	800							Ramp Edge Lines/Dashes
9th Ave Exit			550		485							Ramp Edge Lines
9th Ave On Ramp			2,435		900							Ramp Edge Lines
STH 44 Exit Ramp			2,000	140	1,065							Ramp Edge Lines
STH 44 On Ramp			2,425		900							Ramp Edge Lines
STH 26 Exit Ramp			2,325	150	1,545	325						Ramp Edge Lines/Turn Lanes
STH 26 On Ramp			1,660		660							Ramp Edge Lines
Aerial Enforcement Bars												Aerial/Vascar Enforcement Bars
Breezewood Lane							24					Breezewood Lane Southeast On Ramp 2 sets
STH 76							60					Begin 2 miles North of STH 76 5 sets
USH 45							60					Begin North of USH 45 5 Sets
STH 21							24					STH 21 Southeast On Ramp 2 sets
9th Ave							24					9th Ave Southeast On Ramp 2 sets
STH 44							24					STH 44 Southeast On Ramp 2 sets
SUB-TOTALS			227,610	885	208,435	1,125	396	25	7	3	20	
TOTALS				436,930		1,125	396		35		20	

PAVEMENT MARKING (con't.)

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH			646.5420 AERIAL ENFORCEMENT BAR EPOXY 24-INCH L.F.	646.5020 ARROWS EPOXY		647.0356 WORDS EPOXY (ONLY) EACH	646.6120 STOP LINE EPOXY 18-INCH LF	646.3020 EPOXY 8-INCH LF	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF		TYPE 2 EACH	TYPE 3 EACH				
IH 41		17.00										
From: USH 151	7.00											South of USH 151 Exit @ Pavement Change
To: 1 Mile South of STH 26	24.00											Pvmt Change 1 Mile South of STH 26
North Bound			74,000		90,000							Main Line Edge Lines/Lane Lines are Tape
STH 151 Off Ramp			1,930	65	1,450		1	1	1	30		Stop/Arrows/Only/Channelizing/Ramp Edge lines
STH 151 On Ramp			3,040		1,375							On Ramp Edge lines
Hickory st/CTH V V V Off Ramp			1,540	45	1,015						700	Exit Gore /Mini dash/Ramp edge lines
Hickory st/CTH V V V On Ramp			4,315		570						1,600	Gore/On Ramp Edge lines
CTH V V V On Ramp to CTH D Exit Ramp											370	Mini Dash Exit ramp to On ramp
Military Rd/CTH D Off Ramp			3,485		770						610	Gore/Off Ramp Edge lines
Military Rd/CTH D On Ramp			2,430		870						1,830	Gore/On Ramp Edge lines
Johnson St/STH 23 Off Ramp			2,060		635		4		4	36	700	Stop/Arrows/Only/Channelizing/Ramp Edge lines
Johnson St/STH 23 On Ramp			2,080		530							On Ramp Edge lines
Winnebago St/CTH OO Off Ramp			2,115		900							Off Ramp Edge lines
Winnebago St/CTH OO On Ramp			2,060		635							On Ramp Edge lines
CTH N Off Ramp			1,480		950							Off Ramp Edge lines
CTH N On Ramp			2,850		900							On Ramp Edge lines
Lane Line				3,325								Winnebago/FDL County Line to Begin Contrast tape
Aerial Enforcement Locations												Aerial/Vascar Enforcement Bars
North of CTH F						72						6 Sets
CTH B SE Ramp						24						2 Sets
S of CTH N						60						5 Sets
South Bound			74,500		90,250							Main Line Edge Lines
Lane Line				3,620								End Contrast tape to Winnebago/FDL County Line
CTH N Off Ramp Gore											760	Exit Gore (apply epoxy over tape)
CTH N Off Ramp			1,455		950					45	120	Stop Bar/Island Gore/Off Ramp Edge lines
CTH N On Ramp Gore											1,920	Enterance Gore (apply epoxy over tape)
CTH N On Ramp			3,400		1,635							On Ramp Edge lines
Winnebago St/CTH OO Off Ramp			1,850		635						60	Island Gore/Off Ramp Edge lines
Winnebago St/CTH OO On Ramp			2,570		1,005							On Ramp Edge lines
Johnson St/STH 23 Off Ramp			1,800		535		3	2	3	40	530	Off Ramp Edge lines/top of ramp marking
Johnson St/STH 23 On Ramp			2,065		550							On Ramp Edge lines
Military Rd/CTH D Off Ramp			1,435	50	850						680	Exit Gore/dash/Off Ramp Edge lines
Military Rd/CTH D Off Ramp										15	110	Island gore top of ramp/stop bar
Military Rd/CTH D On Ramp			1,585		835						1,480	On Ramp Edge lines/Entry Gore
Military Rd On to CTH V V V Off Ramp											350	mimi dash on Ramp to exit Ramp
Hickory st/CTH V V V Off Ramp			1,075		1,425						635	Exit Gore/Dash/Off Ramp Edge lines
Hickory st/CTH V V V On Ramp			2,225		800						1,480	On Gore/On Ramp Edge lines
STH 151 Off Ramp			2,060	25	1,585		4	1	3	65	340	Arrows/Only/Channelizing/Ramp Edge lines
STH 151 On Ramp			3,230		1,445							On Ramp Edge lines
Aerial Enforcement Locations												Aerial/Vascar Enforcement Bars
S of CTH N						60						5 Sets
N of CTH B						60						5 Sets
CTH B SW Ramp						24						2 Sets
SUB-TOTALS			202,635	7,130	203,100	300	12	4	11	231	14,275	
TOTAL				412,865		300		16	11	231	14,275	

PAVEMENT MARKING (con't.)

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	646.3020 EPOXY 8-INCH LF	646.5420 AERIAL ENFORCEMENT BAR EPOXY 24-INCH LF	646.6120 STOP LINE EPOXY 18-INCH LF	REMARKS
IH 41		12.00							
From: STH 15	50.00								Appleton
To: CTH J	62.00								Pavement Change 1/2 Mi North of CTH J
North Bound			65,300		63,000				Rt/Lt Edge Lines
STH 15 Exit Ramp Gore						530			Exit Ramp Gore
STH 15 Exit Ramp			2,370		1,900	400		25	split @ on ramp gore/Top of Ramp @ signal
STH 15 Exit Ramp						385			ramp gore top of Ramp EB @ STH 15
STH 15 On Ramp			2,135		1,235	275			On Ramp Edge Lines/Gore
STH 47 Exit Ramp			2,510	25					Dash @ Exit/Ramp Edge Lines/Dual turn
STH 47 On Ramp			2,225		860				On Ramp Edge Lines
CTH E Exit Ramp			1,300		700	510			Edge Lines/turn lane/island gore/Dual turn
CTH E On Ramp			950		715				On Ramp Edge Lines
STH 441 Exit Ramp			2,300		1,225				Exit Ramp Edge Lines
STH 441 On Ramp			2,600		1,210				On Ramp Edge Lines
CTH N Exit Ramp			1,300	35	700	330			Dash @ Exit/Ramp Edge Lines/Turn Lane/island gore
CTH N On Ramp			1,450		735				On Ramp Edge Lines
STH 55 Exit Ramp			1,275	35	600	50			Dash @ Exit/Ramp Edge Lines/Island Gore
STH 55 On Ramp			1,435		665				On Ramp Edge Lines
CTH J Exit Ramp			1,250	35	765				Dash @ Exit/Ramp Edge Lines
CTH J On Ramp			1,320		650				On Ramp Edge Lines
LOCATION									
Aerial Bars									North Bound Aerial Enforcement Bars
North East Ramps @ STH 15							24		2 Sets North Bound
South Bound			63,200		65,370				Rt/Lt Edge Lines
CTH J Exit Ramp			1,350	50	585				Exit Ramp Edge Lines
CTH J On Ramp			1,525		850				On Ramp Edge Lines
STH 55 Exit Ramp			1,175	35	675	85			Exit Ramp Edge Lines/Island Gore
STH 55 On Ramp			1,325		575				On Ramp Edge Lines
CTH N Exit Ramp			1,360	35	775	135			Exit Ramp Edge Lines/Island Gore/Turn Lane
CTH N overpass				350		520			4 Inch Lane Line/8 Inch Turn Lanes to I 41
CTH N On Ramp			1,425		650				On Ramp Edge Lines
STH 441 Exit Ramp			2,765	50	1,850				Exit Ramp Edge Lines
STH 441 On Ramp			2,735		1,840				On Ramp Edge Lines
STH 441 to CTH E									Lane Line Dashes STH 441 to CTH E
CTH E Exit Ramp			950		680			60	Exit Ramp Edge Lines/Gore/Turn Lanes
CTH E overpass				350		450			4 Inch Lane Line/8 Inch Turn Lanes to I 41
CTH E On Ramp			1,420		600				On Ramp Edge Lines
STH 47 Exit Ramp			2,720		1,120			25	Exit Ramp Edge Lines
STH 47 Overpass				350					Lane Line Dashes Between Ramps
STH 47 On Ramp			2,410		850				On Ramp Edge Lines
STH 15 Exit Ramp			2,310		1,430	270		20	Exit Ramp Edge Lines/Island Gore
STH 15 On Ramp			2,000		1,325				On Ramp Edge Lines
SUB-TOTALS			178,390	1,350	154,135	3,940	24	130	
TOTALS				333,875		3,940	24	130	

PAVEMENT MARKING (con't.)

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH SOLID WHITE LF DASHED WHITE LF SOLID YELLOW LF	646.3020 EPOXY 8-INCH WHITE LF	646.5020 ARROWS EPOXY TYPE 2 EACH	646.5120 WORDS EPOXY (ONLY) EACH	646.6120 STOP LINE EPOXY 18-INCH LF	646.1555 GROOVED CONTRAST PERM TAPE 4-INCH LF	646.3555 GROOVED CONTRAST PERM TAPE 8-INCH LF	646.5420 AERIAL ENFORCEMENT BAR EPOXY 24-INCH LF	REMARKS
USH 151		17.00									
From: STH 49	0.00										
To: USH 41	16.65										
North Bound			80,000		84,000						Epoxy Edge Lines
STH 49 to Thill Rd								11,725			Begin Grooved Tape Lane Line @ concrete North of STH 49
STH 26 Business									700		Entry Gore/Solid 8-inch/Mini-Dash from Entry Gore
STH 26 North Bound				45					700		Exit Gore/Mini-Dash @ exit
STH 26 North Bound			8,860		7,100		40		620		Exit Ramp Edgelines/Gore @ Split/Stop Bar Bottom of Ramp
STH 26/Service Rd			3,530		2,000				1,920		Entry Ramp Edgelines/Entry Gore
Hickory Dr									695		Left/Right Turn W/Dash
Median									430		Left Turn
Median									435		Left Turn
Aerial Enforcement										60	5 Sets Between Hickory Dr and CTH AS
CTH AS									880		Left/Right Turn
Median									425		Left Turn
Towne Rd									435		Left Turn
Hazel La									395		Left Turn
Median									420		Left Turn
Dehring									875		Left/Right Turn
Median									430		Left Turn
Wolf Rd									855		Left/Right Turn
Median									430		Left Turn
Median									430		Left Turn
Median									430		Left Turn
Median									430		Left Turn
Median									430		Left Turn
Thill									675		Left/Right Turn W/8-Inch Dash
Median									425		Right Turn
CTH TC									420		Left Turn
Median									420		Left Turn
Schaefer Rd									420		Left Turn
Median									425		Left Turn
Wonser/Median									420		Left Turn
Town Line Rd									425		Left Turn
CTH D Exit Ramp			8,050	40	6,625						Exit Dash/Ramp Edgelines
CTH D On Ramp			3,910		2,635				965		Entry Gore/8-Inch Mini-Dash/Ramp Edgelines
Hickory St			1,670	40	1,140		40				Exit Dash/Ramp Edgelines/Stop Bar Top of Ramp
Hickory St			2,325		955				900		Entry Gore & Dash/Ramp Edgelines
STH 175			1,480		1,820				715		Turn Dash/Right Turn/Island Gore/Ramp Edgelines/Center Line
STH 175							75				Stop Bar Top/Bottom of Ramp
STH 175					1	1					Top of Ramp
USH 41									445		Right Turn
South Bound			80,400		81,800						Epoxy Edge Lines
Thill Rd to STH 49								11,735			Grooved Lane Line Tape to concrete North of STH 49

Totals on following sheet

PAVEMENT MARKING (con't.)

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	646.3020 EPOXY 8-INCH WHITE LF	646.5020 ARROWS EPOXY TYPE 2 EACH	646.5120 WORDS EPOXY (ONLY) EACH	646.6120 STOP LINE EPOXY 18-INCH LF	646.1555 GROOVED CONTRAST PERM TAPE 4-INCH LF	646.3555 GROOVED CONTRAST PERM TAPE 8-INCH LF	646.5420 AERIAL ENFORCEMENT BAR EPOXY 24-INCH LF	REMARKS
STH 175			1,800		1,800						600		Right Turn/Ramp Edgelines/Center Line
STH 175									75				Stop Bar Top of Ramp 35/Btm Ramp 35
STH 175						165	1	1					Type 2 =1 /Only = 1/epoxy turn lane @ Top of Ramp
Hickory St			1,710	40	1,190				35				Exit Dash/Ramp Edgelines/Stop Bar Top of Ramp
Hickory St Overpass						1,055							Between ramps/on overpass for 151
Hickory St			2,430		1,165						900		Entry Gore & Dash/Ramp Edgelines
CTH D Overpass				400		745							Lane line/8 inch turn lanes Between ramps/on overpass for 151
CTH D			1,460	50	975								Exit Dash/Ramp Edgelines
CTH D			4,450		3,145						870		Entry Gore & Dash/Ramp Edgelines
Townline Rd											700		Left/Right Turns
Wonser											685		Left/Right Turn W/8-Inch Dash
Median											420		Left Turn
Schaefer											650		Left/Right Turn W/8-Inch Dash
Median											420		Left Turn
CTH TC											685		Left/Right Turn W/8-Inch Dash
Median											425		Left Turn
Thill/Median											420		Left Turn
Median											400		Left Turn
Median											430		Left Turn
Median											420		Left Turn
Median											430		Left Turn
Median											420		Left Turn
Wolf Rd											430		Left Turn
Median											440		Left Turn
Dehring											865		Left/Right Turn
Median											420		Left Turn
Hazel La											880		Left/Right Turn
Towne Rd											865		Left/Right Turn
Median											435		Left Turn
Aerial Enforcement												60	5 Sets Between Hazel and CTH AS
CTH AS											420		Left Turn
Median											425		Left Turn
Median											430		Left Turn
Hickory Dr/Townline Rd											715		Left/Right Turn W/8-Inch Dash
STH 26			2,165	40	1,675	25			40		660		Exit Gore & Dash/Ramp Edgelines/Stop Bar
STH 26			3,620	160	1,215						745		Entry Gore & Dash/Ramp Edgelines
STH 26 Business											680		Exit Gore
STH 26 Business			11,260	45	9,420	2,625							STH 26 Interchange Ramp Gores & Dash/Ramp Edgelines
Grooved Lane Line Gaps													Missing Grooved Lane Line at intersections
Townline Rd										60			Missing Lane Line at intersection
Wonser										60			Missing Lane Line at intersection
Schaefer Rd										60			Missing Lane Line at intersection
CTH TC										60			Missing Lane Line at intersection
Sub TOTALS			219,120	860	208,660	4,615	2	2	305	23,700	36,305	120	
TOTALS				428,640		4,615	2	2	305	23,700	36,305	120	

PAVEMENT MARKING (con't.)

LOCATION	LOG MILE	MILE	SPV.0090.01 WET REFLECTIVE 4 INCH EPOXY		646.5320 RAILROAD CROSSING EPOXY EACH	REMARKS
			EDGE LINE	CENTER LINE		
			LF	LF		
USH 141		8.00				
From: CTH C	55.25					Wausaukee CTH C
To: CTH K	63.60					Amberg Jct CTH K
North Bound			42,500			Edge Line
South Bound			42,950			Edge Line
LOCATION						
USH 8/141		8.00				
From: CTH R	24.08					Pembine
To: North Jct USH 8/141	32.08					North Junction USH 8/141
North Bound			42,000			Edge Line
South Bound			42,715			Edge Line
LOCATION						
USH 141		2.00				
From: North Jct USH 8/141	72.00					North Junction USH 8/141
To: Niagara	74.00					Niagara @ Tutas St
North Bound			7,500			Edge Line
South Bound			7,500			Edge Line
LOCATION						
USH 8		2.20				
From: North Jct USH 8/141	32.00					North Junction USH 8/141
To: Michigan State Line	34.20					Michigan State Line
East Bound			10,950			Edge Line
West Bound			10,720			Edge Line
LOCATION						
USH 8						
From: CTH O	14.21	8.50				Dunbar
To: USH 141	22.60					Pembine
East Bound			43,500	50,520	1	Edge Line/Center Line
West Bound			43,250		1	Edge Line
SUB-TOTALS		20.70	293,585	50,520	2	
TOTAL				344,105	2	

LOCATION	LOG MILE	MILE	646.1020 EPOXY 4-INCH SOLID YELLOW LF	REMARKS
USH 151		9.00		
From: CTH WH	24.60			CTH WH
To: Calumetville	33.65			Fond du Lac/Calumet County Line
North Bound			38,150	Center Line
TOTAL			38,150	

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

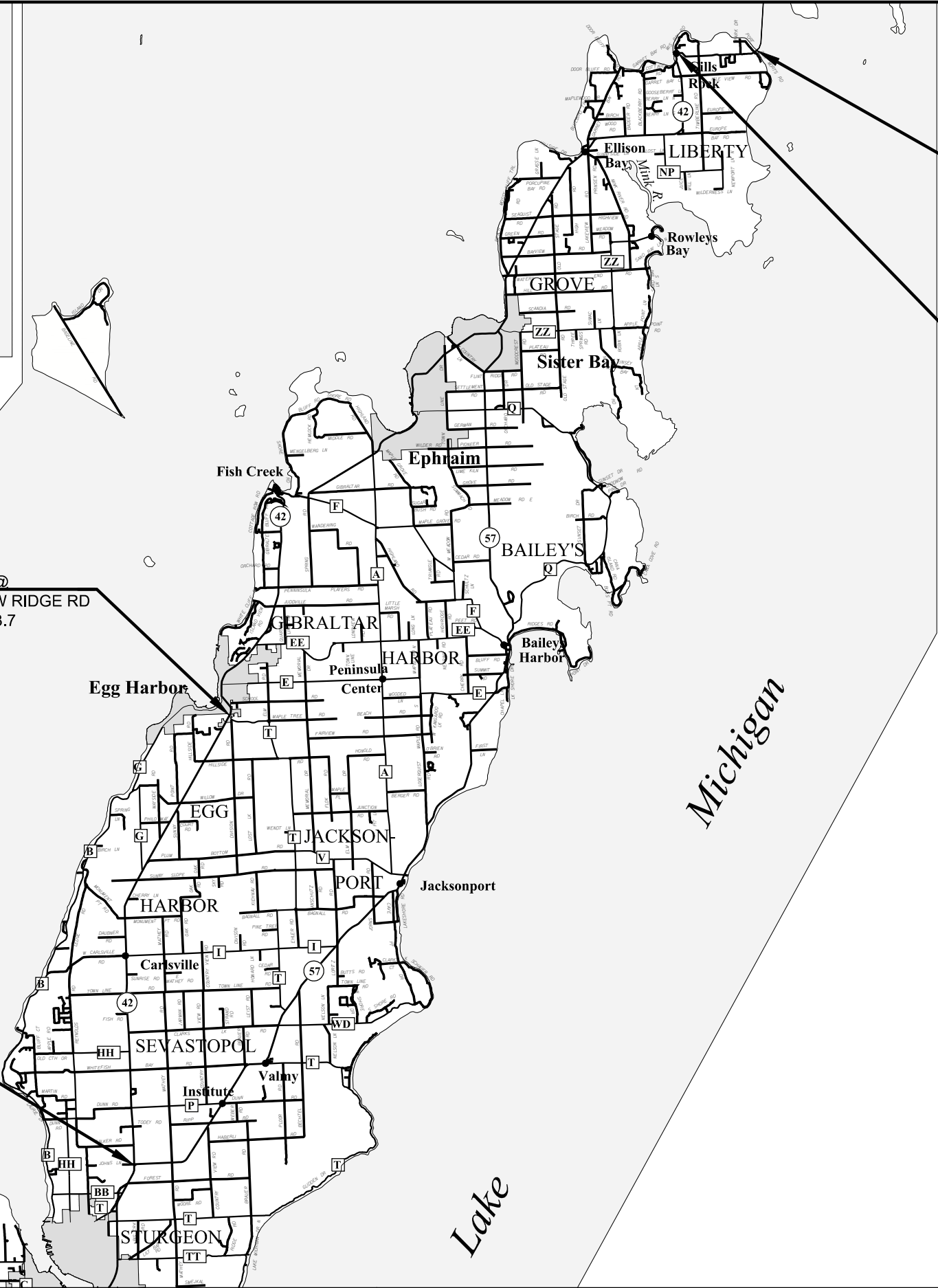


END STH 42 @
JCT NORTHPORT
LOG MILE 131.70

BEGIN STH 42 @
JCT GILLS ROCK
LOG MILE 129.5

END STH 42 @
JCT RAINBOW RIDGE RD
LOG MILE 103.7

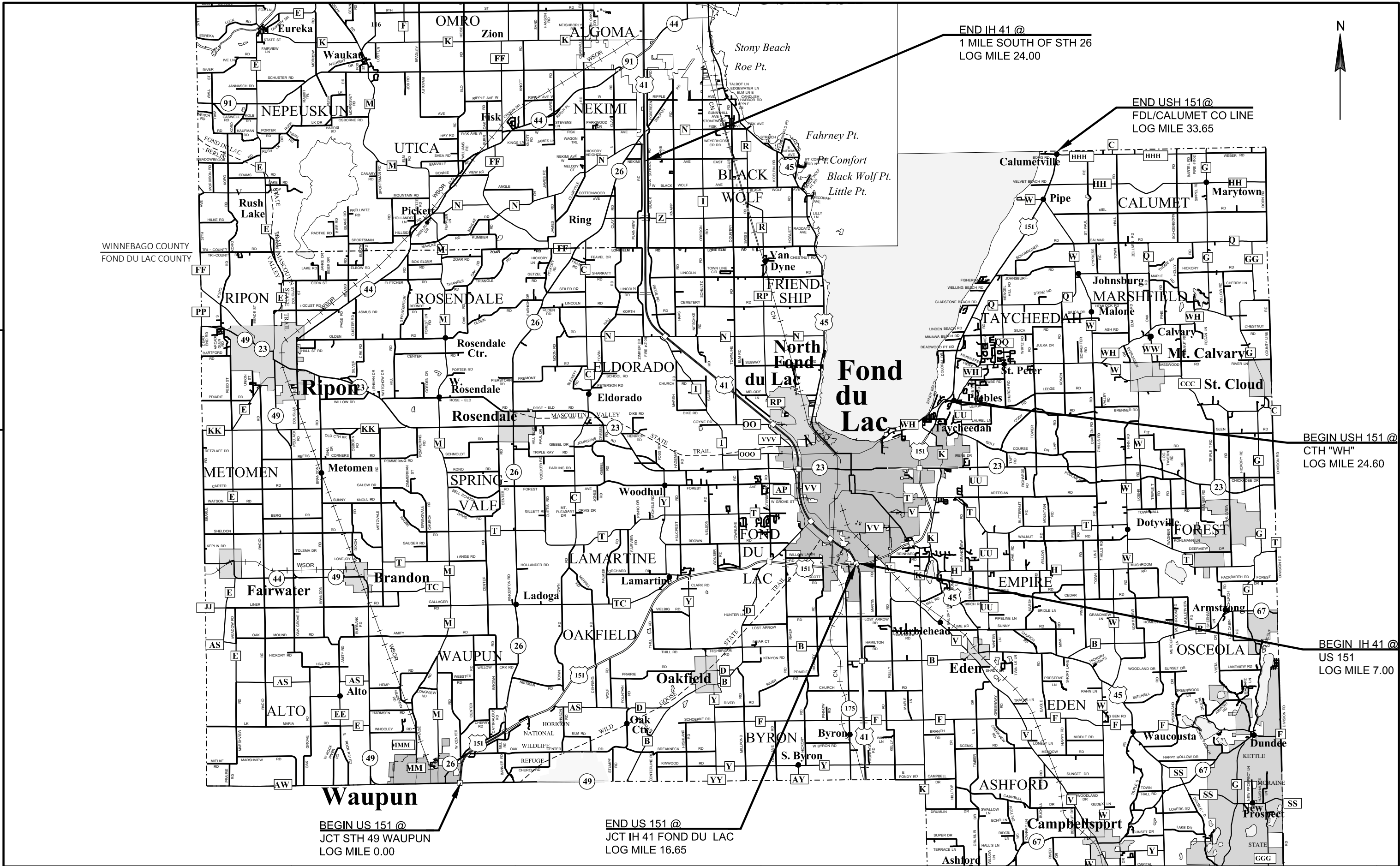
BEGIN STH 42 @
MID JCT STH 42/57
LOG MILE 91.50



5

5

PROJECT NO: 1009-34-30	HWY: STH 42	COUNTY: DOOR	PAVEMENT MARKING LOCATION MAP	SHEET	E
------------------------	-------------	--------------	-------------------------------	-------	---



PROJECT NO: 1009-34-30

HWY: VARIOUS

COUNTY: FOND DU LAC/WINNEBAGO

PAVEMENT MARKING LOCATION MAP

SHEET

E

FILE NAME: N:\PDS\C3D\10093430\SHEETS\PLAN\050202-PN.DWG
LAYOUT NAME - 050202-pn

PLOT DATE: 11/28/2017 2:26 PM

PLOT BY: CAMPBURE, MICHAEL R

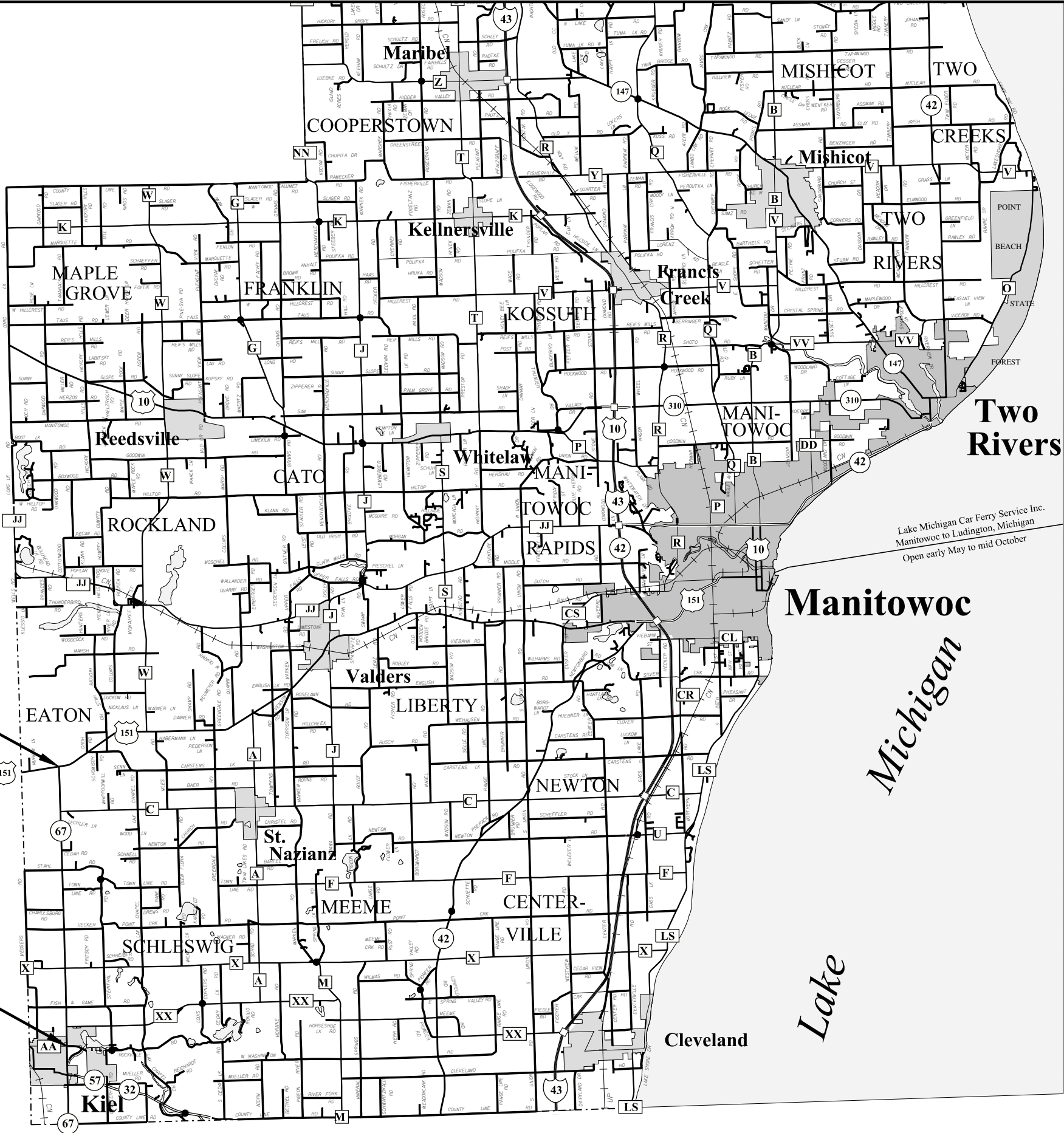
PLOT NAME:

PLOT SCALE: 1IN=3MI

WISDOT/CADDs SHEET 44

END STH 67 @
JCT US 151
LOG MILE 49.90

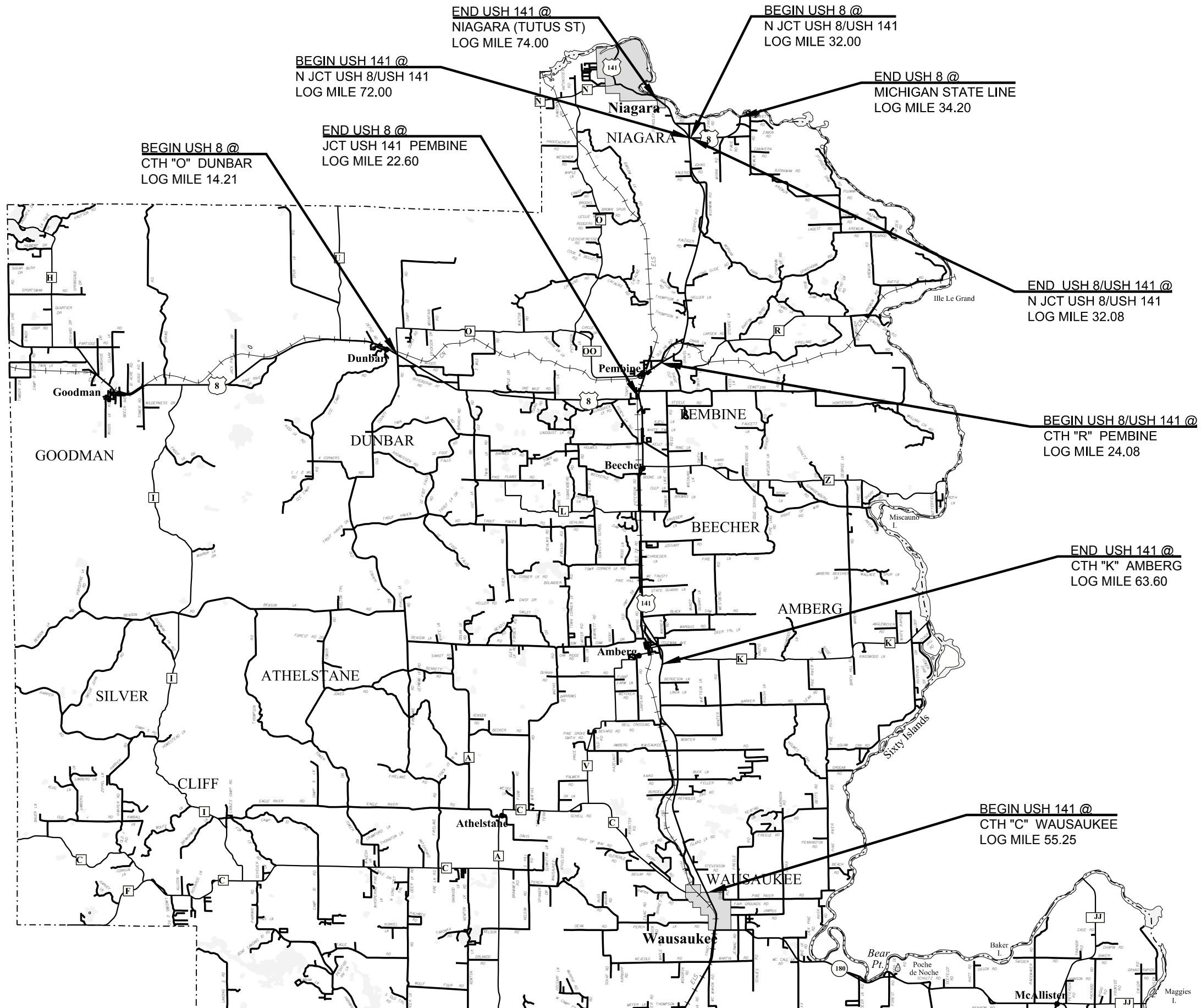
BEGIN STH 67 @
CTH "AA" KIEL
LOG MILE 42.75



Lake Michigan Car Ferry Service Inc.
Manitowoc to Ludington, Michigan
Open early May to mid October

PROJECT NO: 1009-34-30	HWY: STH 67	COUNTY: MANITOWOC	PAVEMENT MARKING LOCATION MAP	SHEET	E
------------------------	-------------	-------------------	-------------------------------	-------	---

5



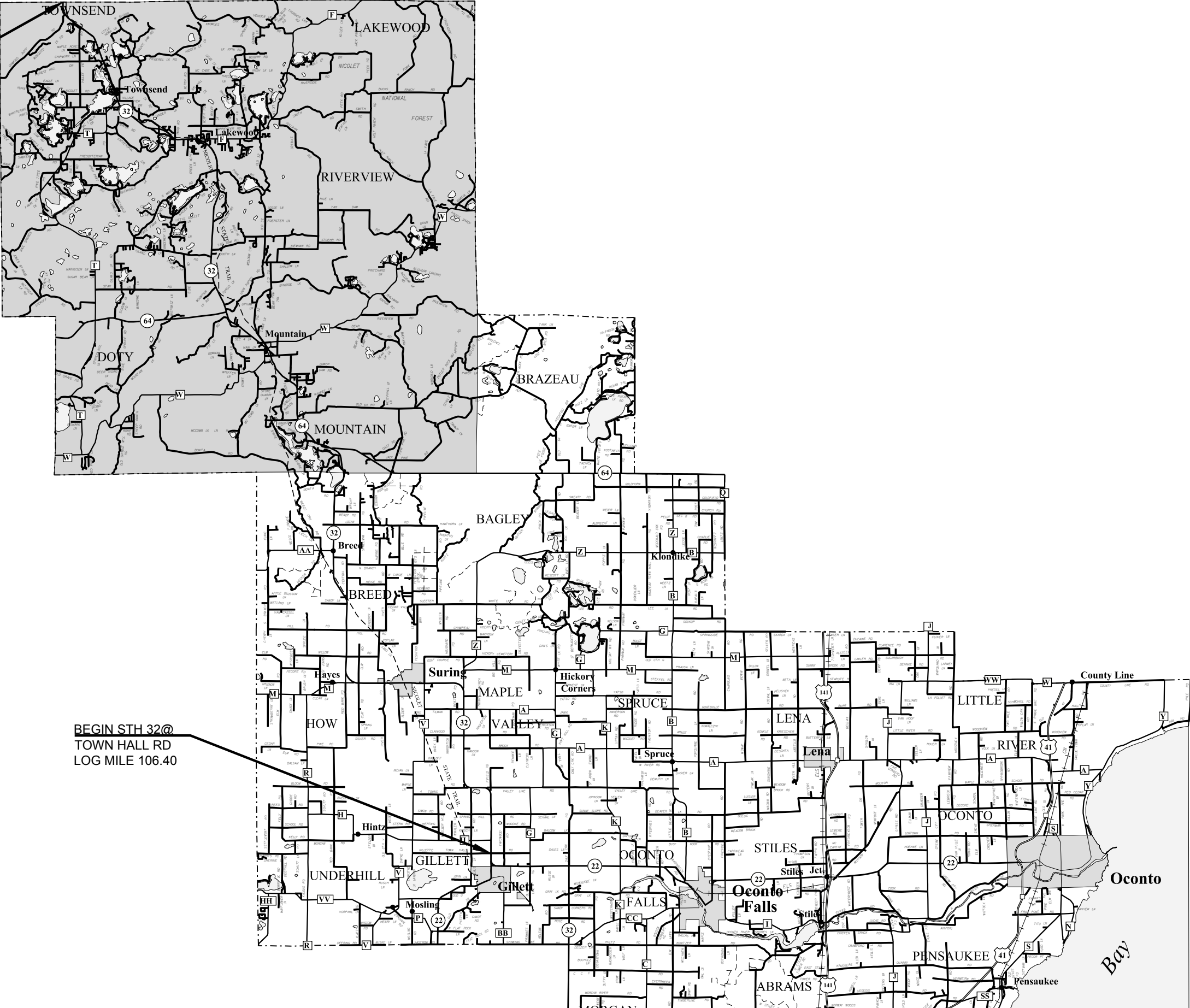
5

PROJECT NO: 1009-34-30	HWY: VARIOUS	COUNTY: MARINETTE	PAVEMENT MARKING LOCATION MAP	SHEET	E
------------------------	--------------	-------------------	-------------------------------	-------	---

END STH 32 @
OCONTO NORTH COUNTY LINE
LOG MILE 149.50



BEGIN STH 32@
TOWN HALL RD
LOG MILE 106.40



5

5

PROJECT NO: 1009-34-30

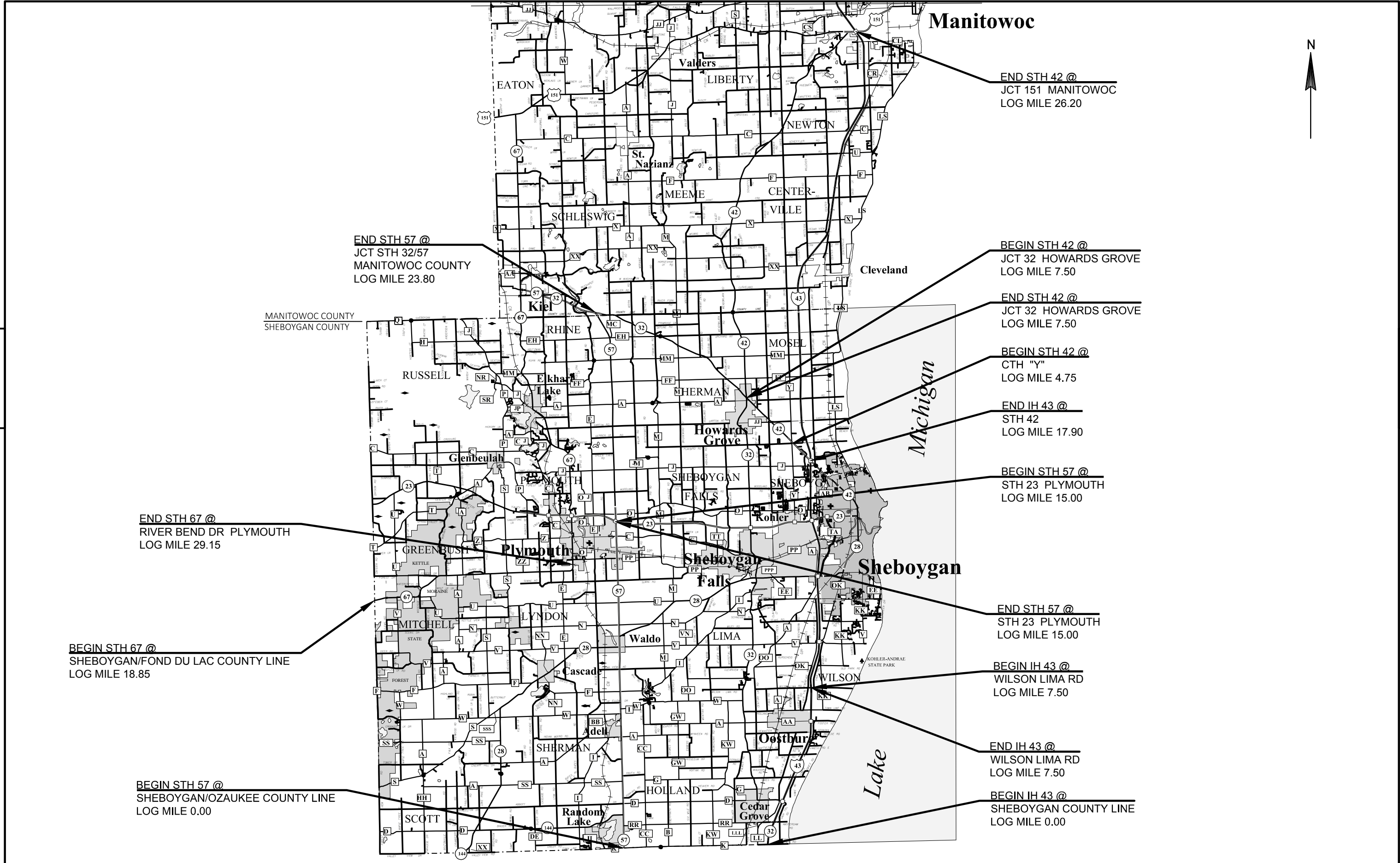
HWY: VARIOUS

COUNTY: OCONTO

PAVEMENT MARKING LOCATION MAP

SHEET

E



PROJECT NO: 1009-34-30	HWY: VARIOUS	COUNTY: SHEBOYGAN/MANITOWOC	PAVEMENT MARKING LOCATION MAP	SHEET	E
------------------------	--------------	-----------------------------	-------------------------------	-------	---

BEGIN US 10 @
WINNEBAGO/WAUPACA COUNTY LINE
LOG MILE 0.00

END US 10 @
JCT CTH "CB"
LOG MILE 15.75

Appleton

Menasha
Neenah

END IH 41 @
BREEZEWOOD NEENAH
LOG MILE 41.15

BEGIN STH 21 @
EAST JCT STH 116
LOG MILE 7.00

END STH 116 @
JCT STH 21
LOG MILE 4.00

BEGIN STH 21 @
WINNEBAGO WEST COUNTY LINE
LOG MILE 0.00

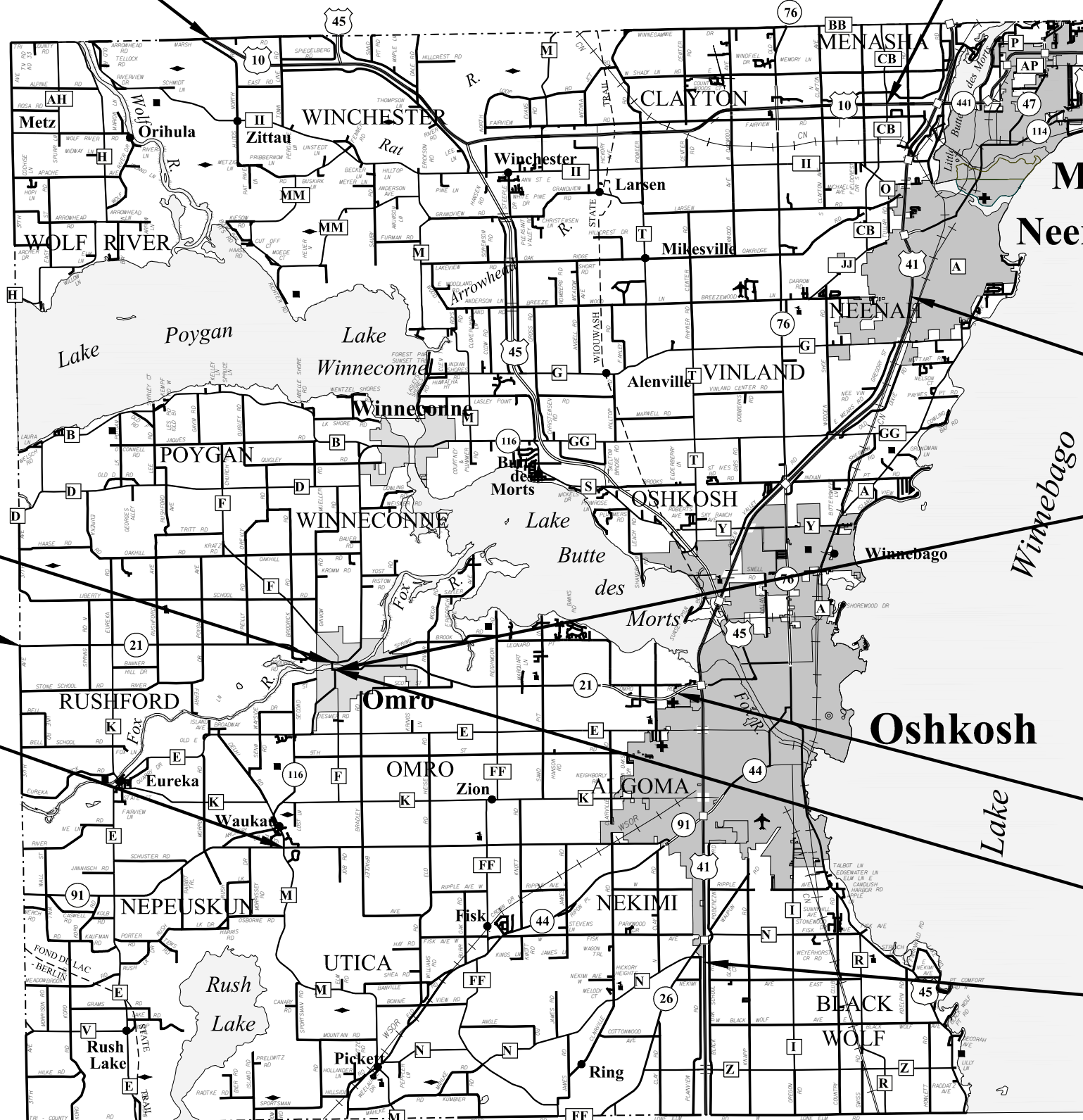
BEGIN STH 116 @
JCT STH 91
LOG MILE 0.00

END STH 21 @
EMMERS LANE
LOG MILE 15.4

END STH 21 @
JCT STH 116 EAST BOUND
LOG MILE 7.00

BEGIN IH 41 @
1/2 MILE S OF STH 26
LOG MILE 24.10

Oshkosh



PROJECT NO: 1009-34-30

HWY: VARIOUS

COUNTY: WINNEBAGO

PAVEMENT MARKING LOCATION MAP

SHEET

E

FILE NAME : N:\PDS\C3D\10093430\SHETSPLAN\050208-PN.DWG
LAYOUT NAME - 050208-pn

PLOT DATE : 11/22/2017 11:06 AM

PLOT BY : CAMPSHURE, MICHAEL R

PLOT NAME :

PLOT SCALE : 1IN=3MI

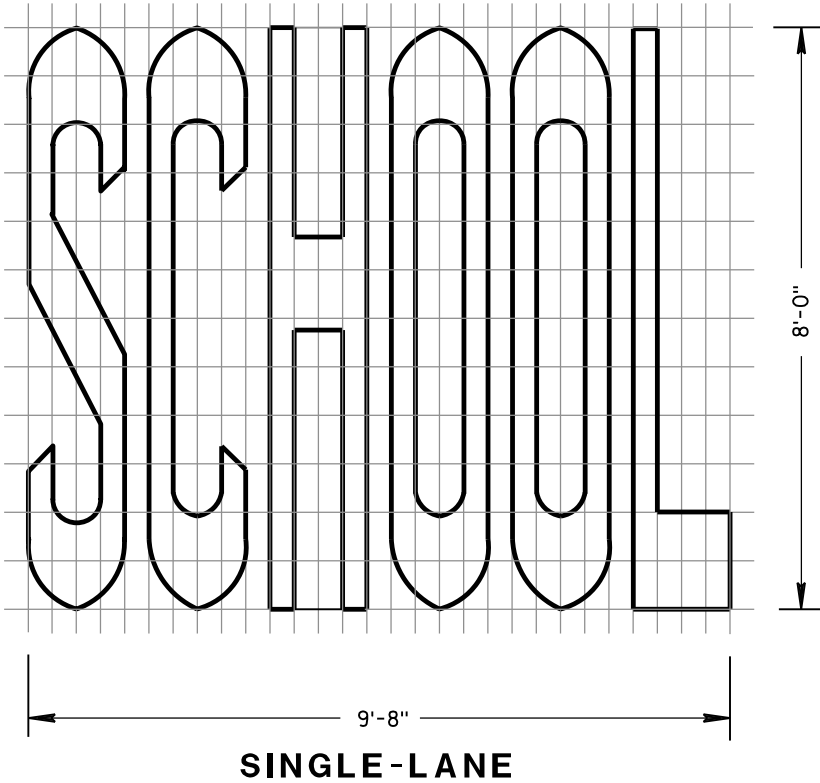
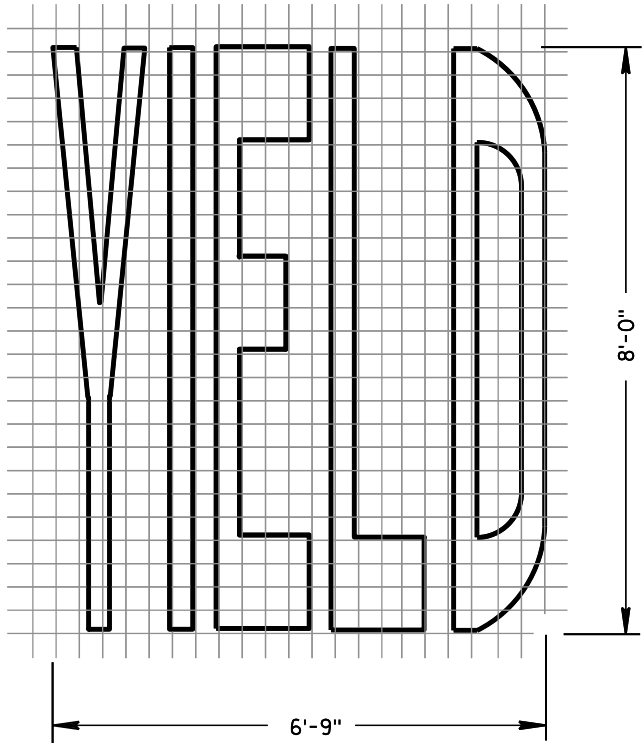
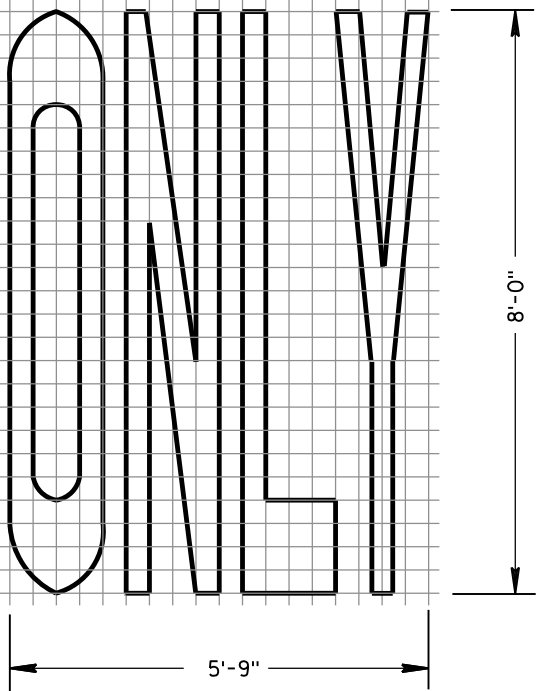
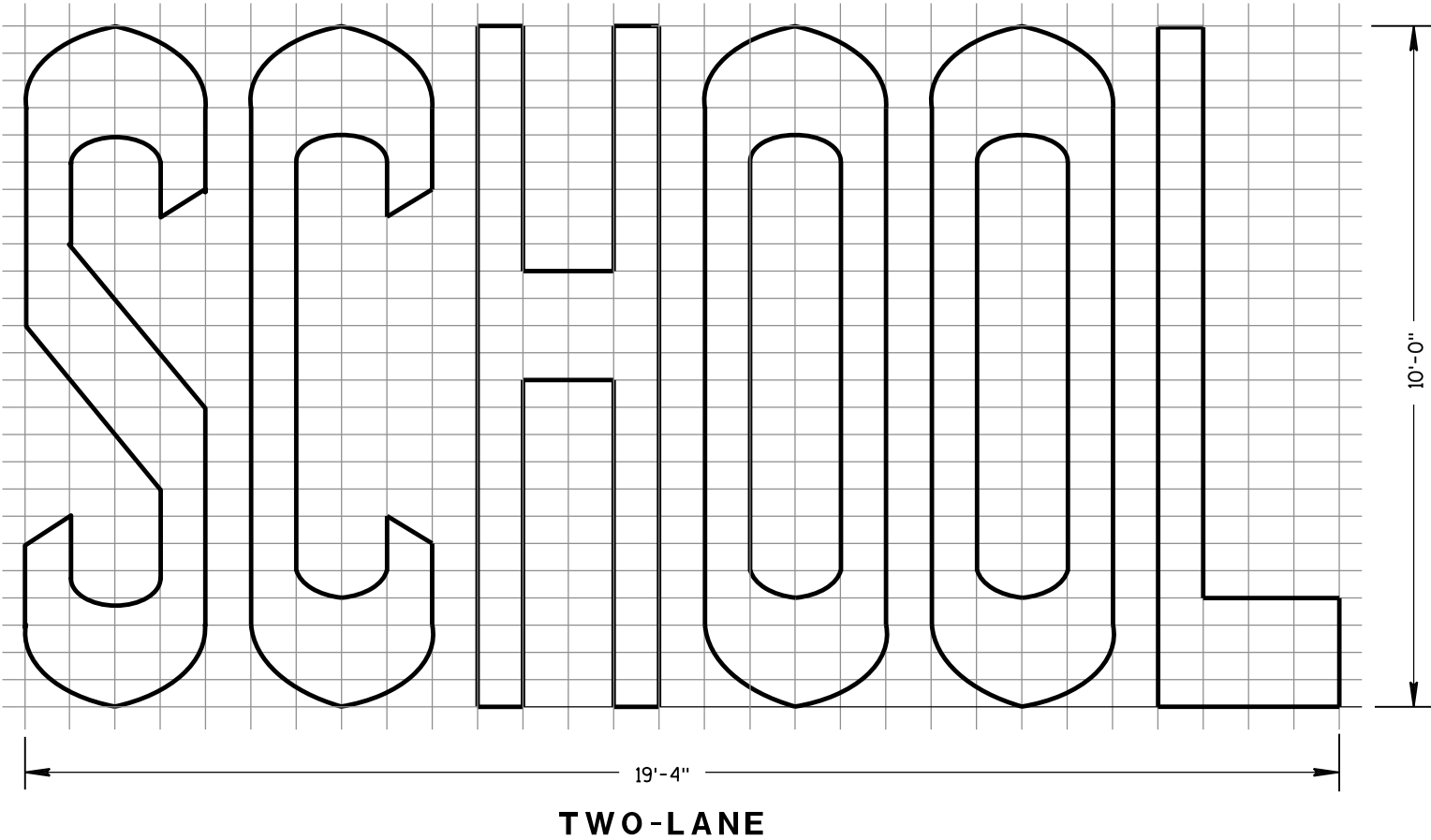
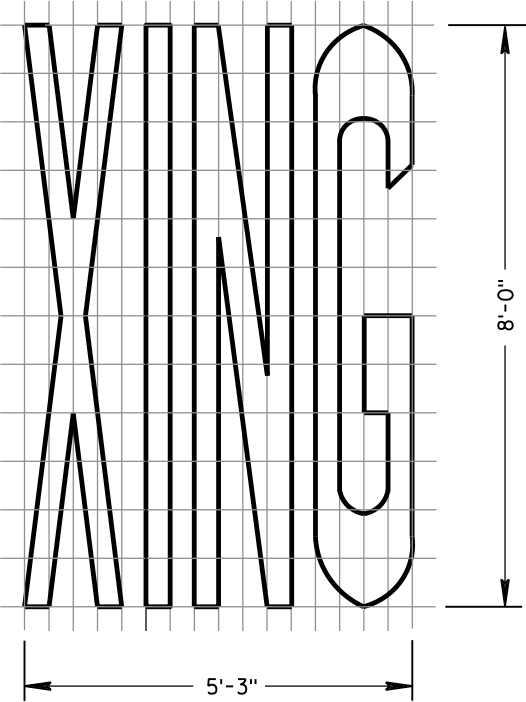
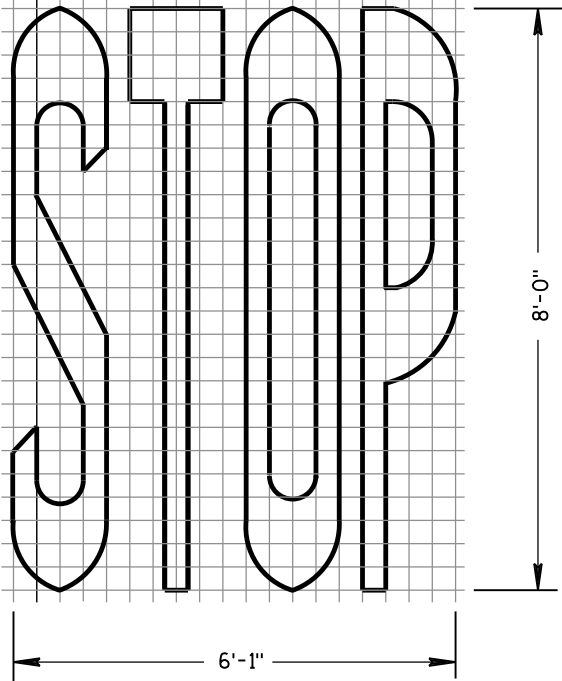
WISDOT/CADDs SHEET 44

Standard Detail Drawing List

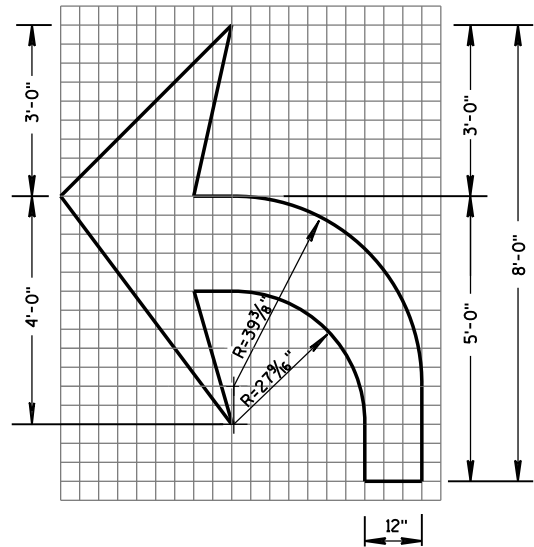
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C08-18A	LONGI TUDI NAL MARKI NG (MAINLINE)
15C08-18B	PAVEMENT MARKING (TURN LANES)
15C09-10A	SIGNI NG AND PAVEMENT MARKING DETAI LS FOR RAI LROAD-HI GHWAY GRADE CROSSI NG
15C11-07B	CHANNELI ZI NG DEVI CES DRUMS, CONES, BARRICADES AND VERTI CAL PANELS
15C14-03	AERI AL ENFORCEMENT BARS PAVEMENT MARKI NG DETAI LS
15C18-04	MEDI AN I SLAND MARKI NG
15C19-04A	MOVI NG PAVEMENT MARKI NG OPERATI ON TWO-LANE TWO-WAY ROADWAY
15C19-04B	MOVI NG PAVEMENT MARKI NG OPERATI ON MULTI -LANE UNDI VI DE D ROADWAY
15C19-04C	MOVI NG PAVEMENT MARKI NG OPERATI ON MULTI -LANE DI VI DE D ROADWAY
15C21-08	SIGNI NG AND MARKI NG FOR TWO LANE TO FOUR LANE DI VI DE D TRANSI TI ONS
15C27-02B	PAVEMENT MARKI NG (I SLANDS)
15C31-02A	PAVEMENT MARKI NG (RAMPS AND GORES)
15C33-02	STOP LI NE AND CROSSWALK PAVEMENT MARKI NG
15C35-01A	PAVEMENT MARKI NG (I NTERSECTI ONS)
15C35-01B	PAVEMENT MARKI NG AND SIGNI NG (CLIMBI NG LANE & PASSI NG LANE)
15C35-01C	PAVEMENT MARKI NG AND SIGNI NG (CLIMBI NG LANE & PASSI NG LANE)
15D12-06A	TRAFFI C CONTROL, LANE CLOSURE

GENERAL NOTES

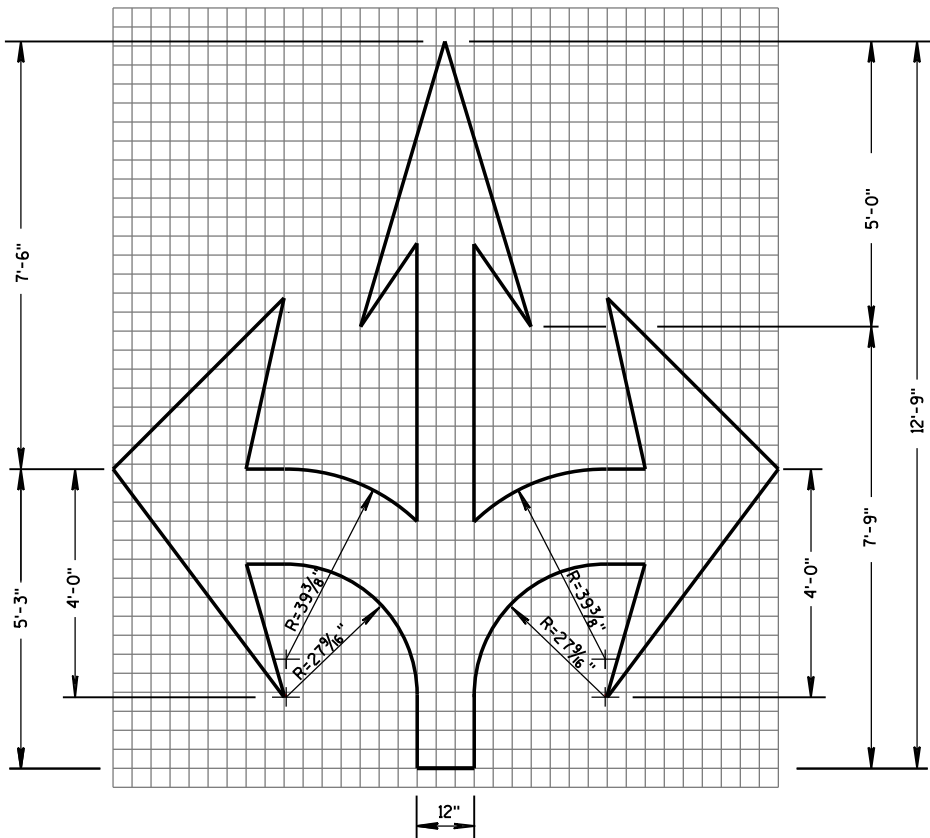
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



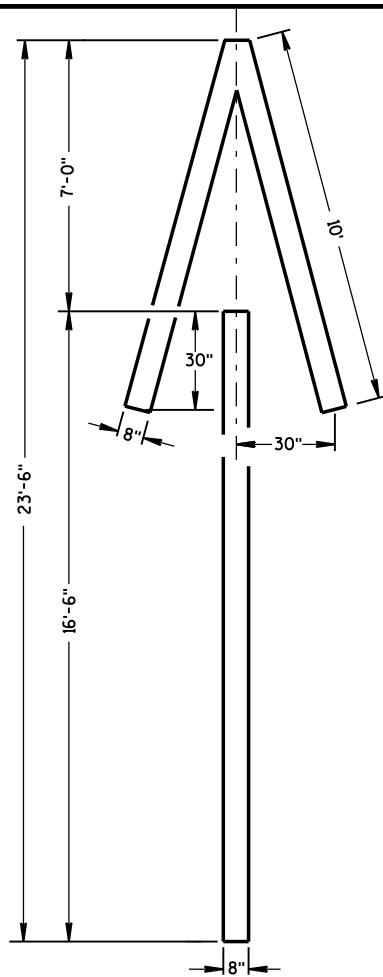
PAVEMENT MARKING WORDS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER
FHWA	



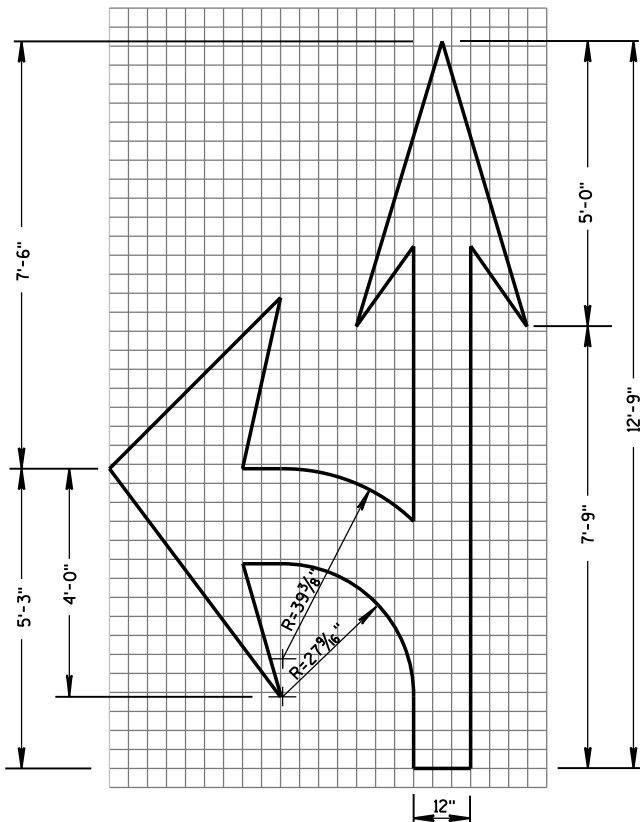
TYPE 2



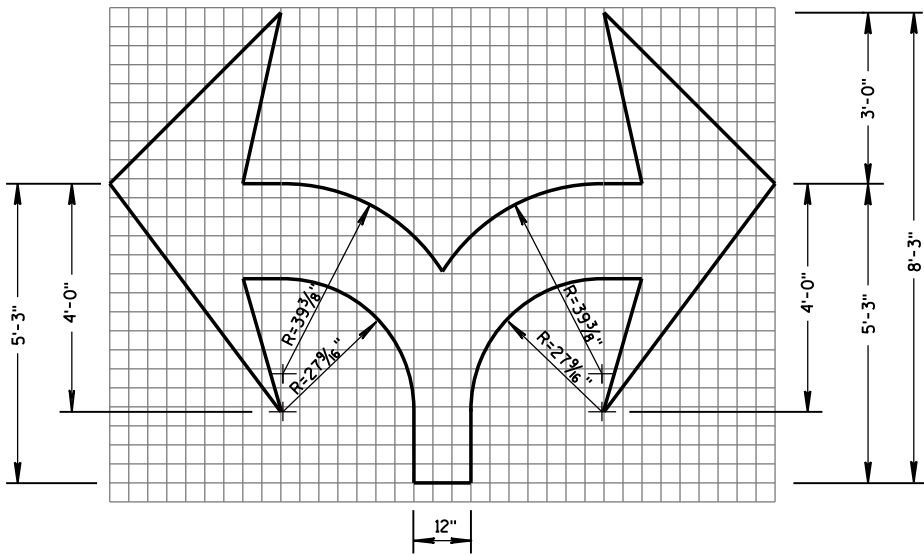
TYPE 6



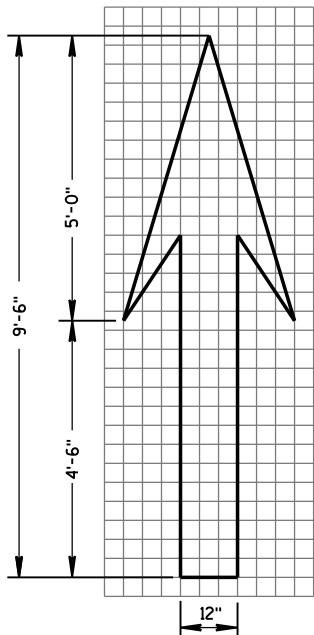
TYPE 4



TYPE 3



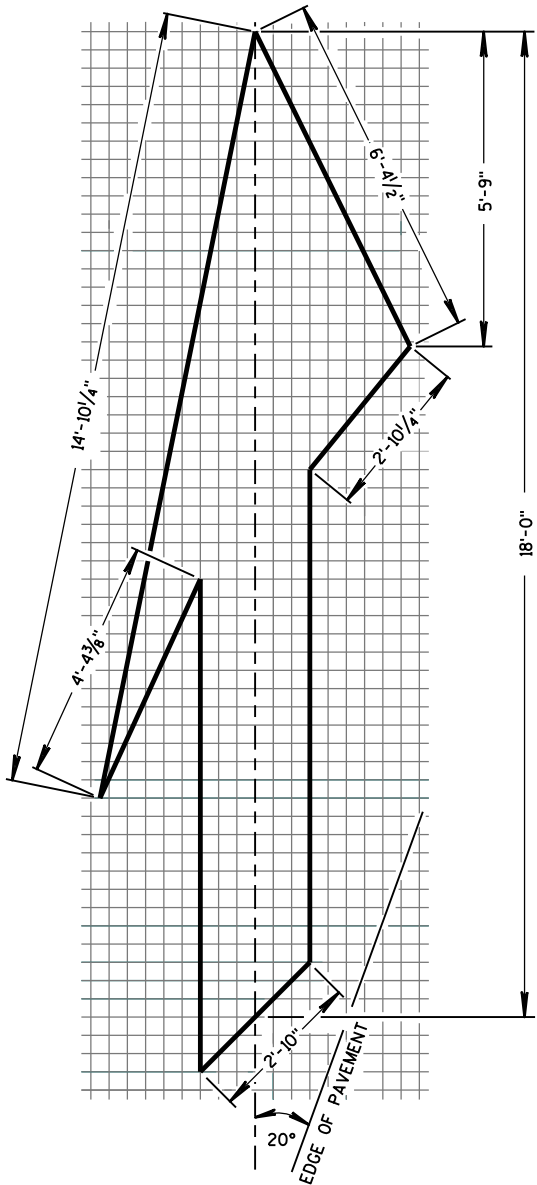
TYPE 7



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.

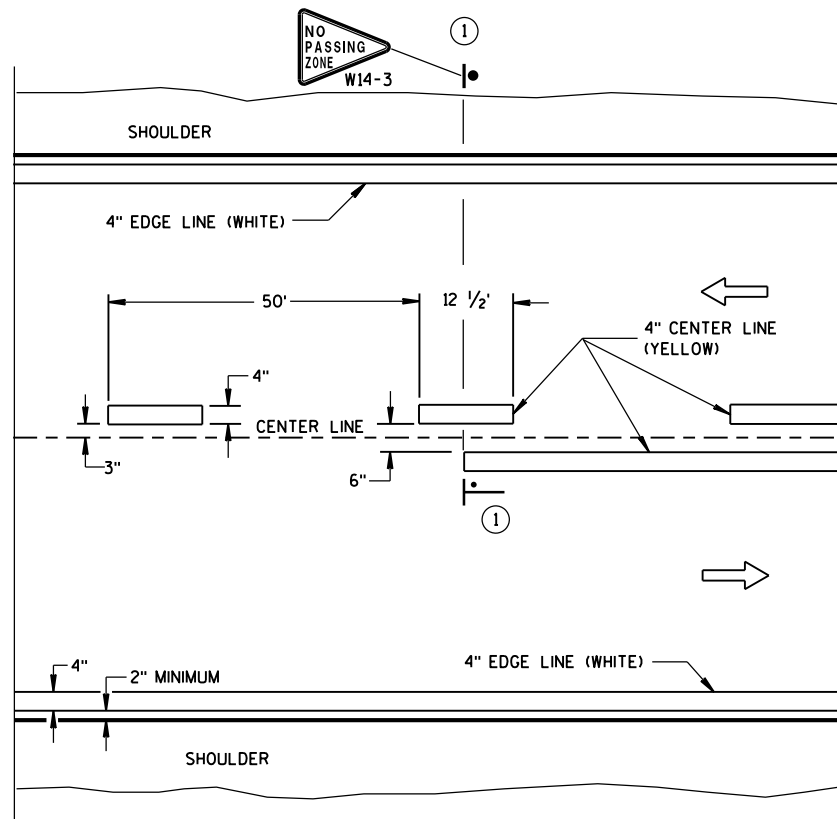


TYPE 5 LANE DROP ARROW

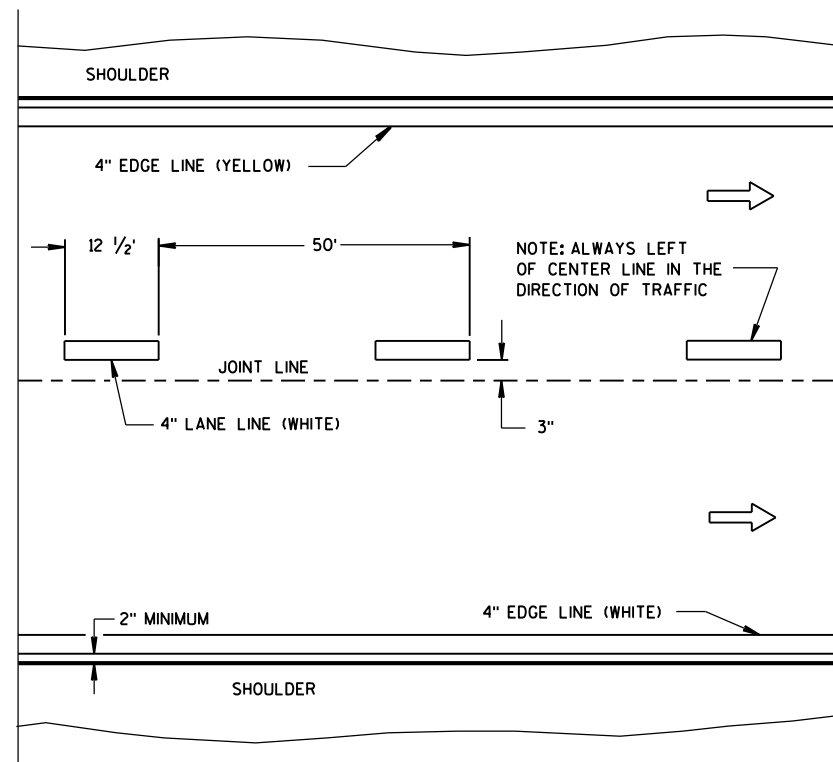
PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

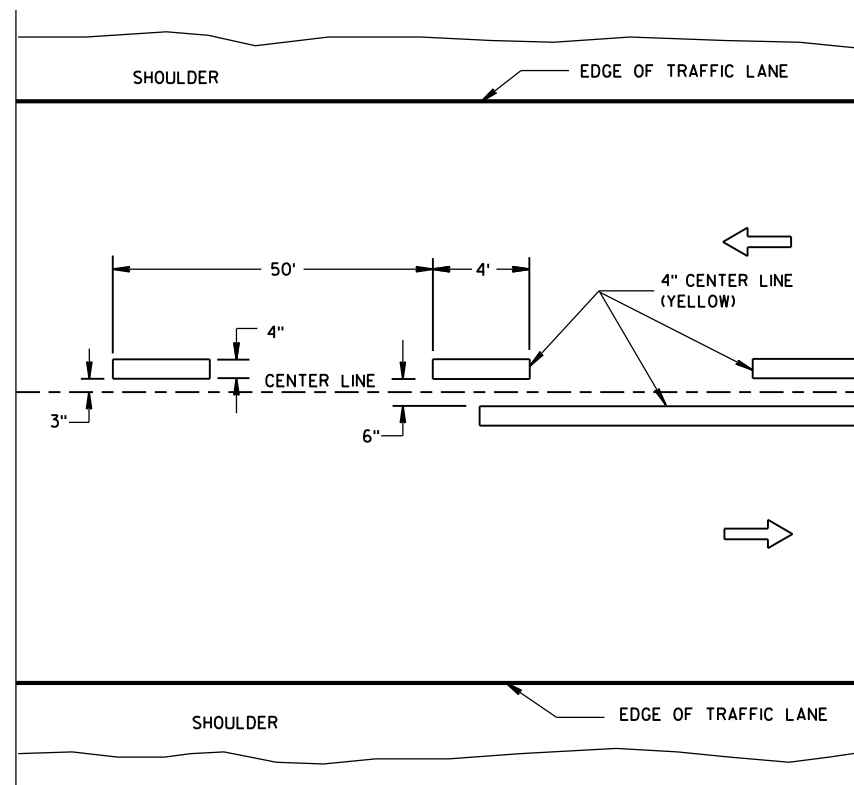


TWO WAY TRAFFIC

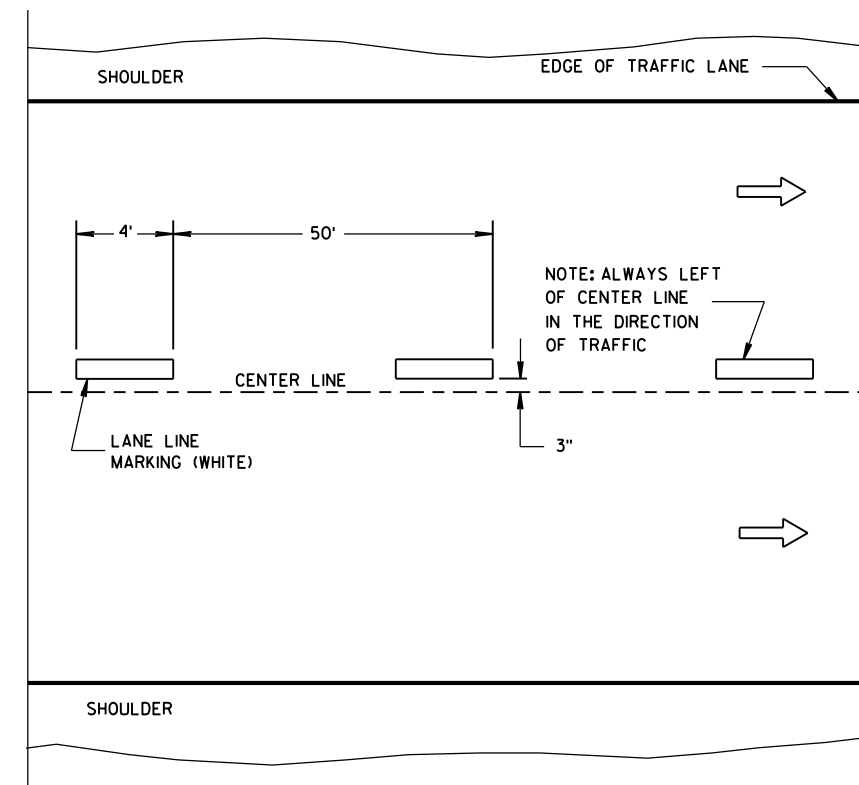


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

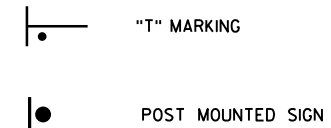
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

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

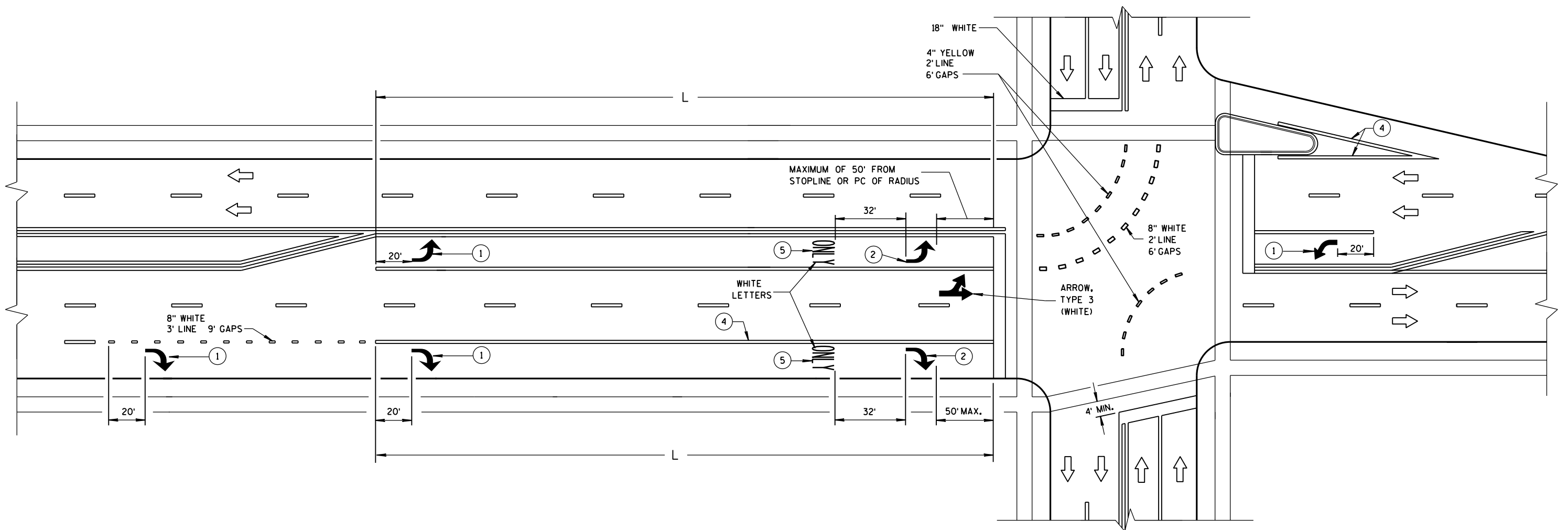
NOTE

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

LEGEND



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



GENERAL NOTES

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

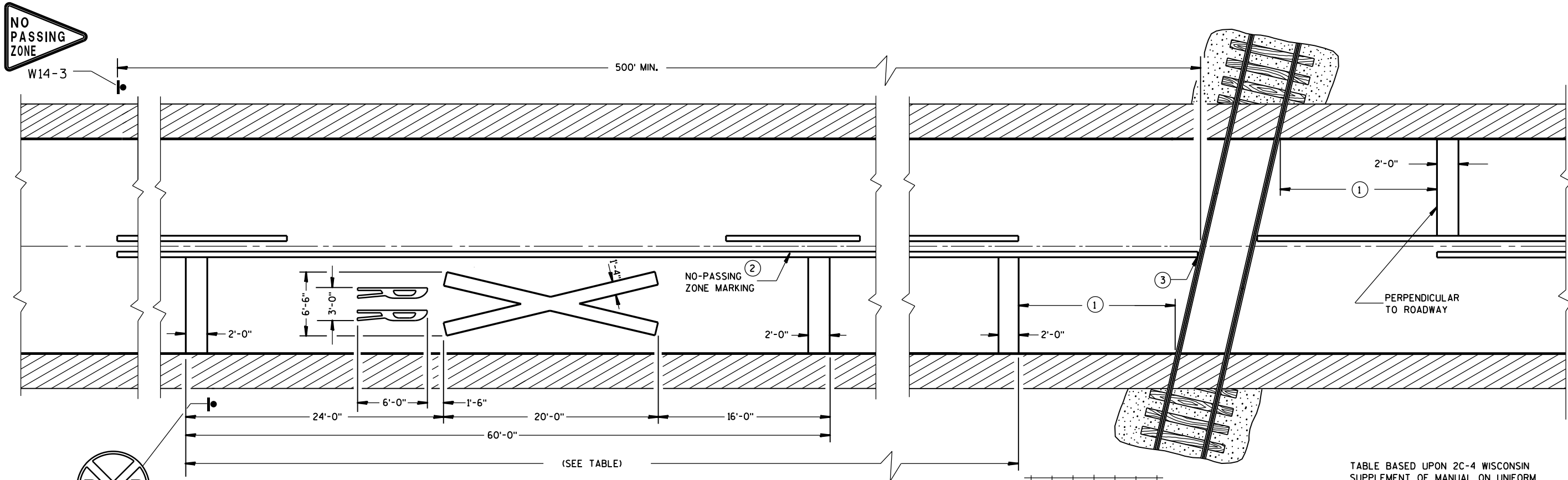
TWO WAY LEFT TURN LANE

NOTE:
ARROW SYMBOL (→)
SHOWS DIRECTION OF TRAVEL

L = LENGTH OF TURN BAY

PAVEMENT MARKING
(TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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.

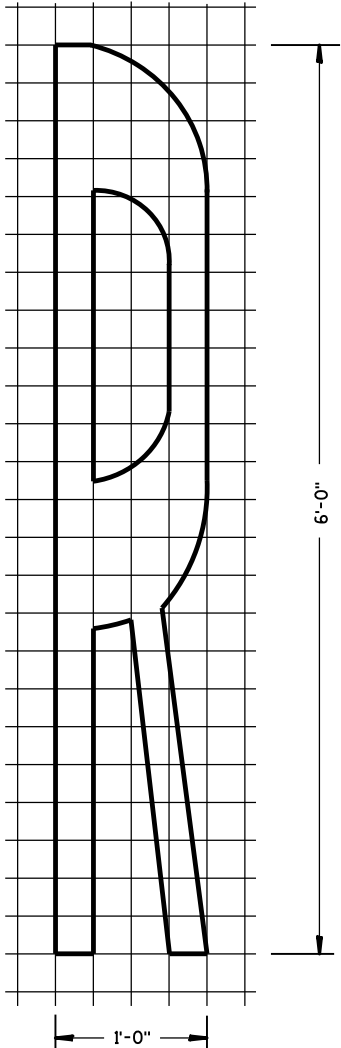
RETRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

- 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

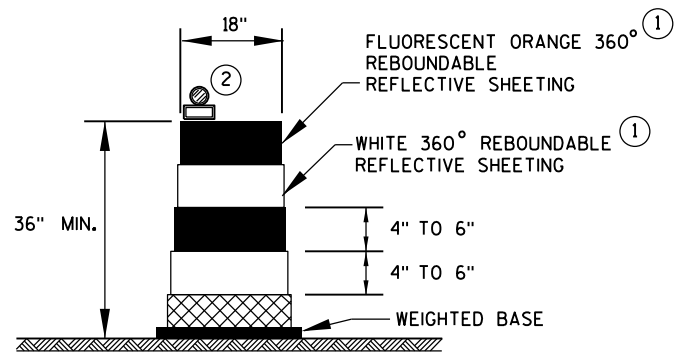
* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.



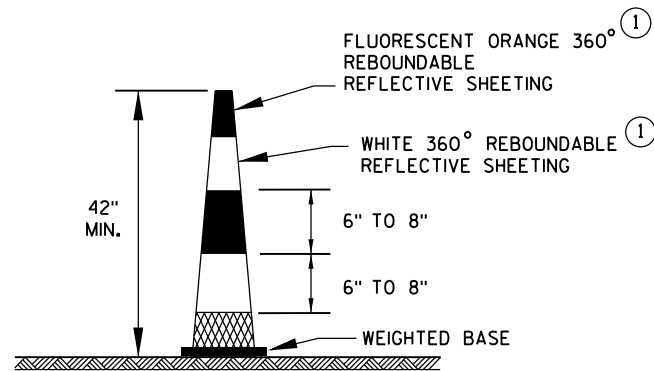
SIGNING AND PAVEMENT MARKING
DETAILS FOR RAILROAD-HIGHWAY
GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



DRUM

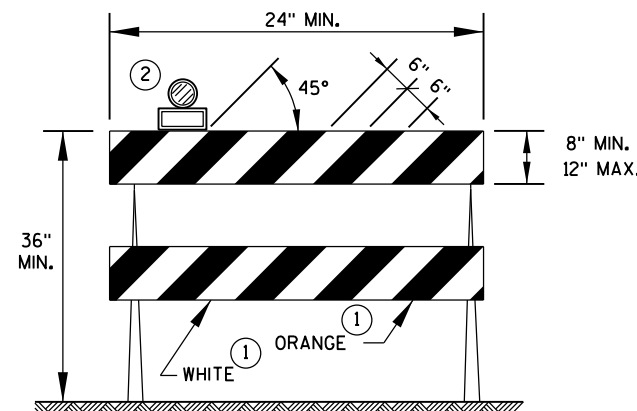


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

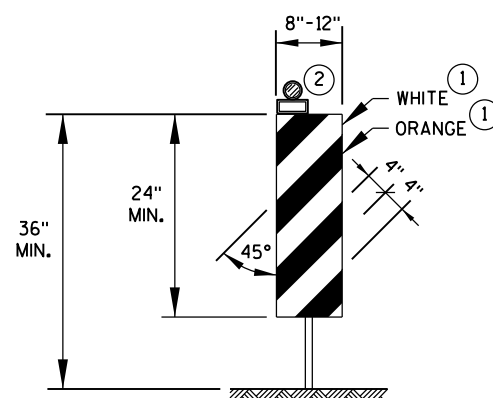
GENERAL NOTES

- ① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- ② LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



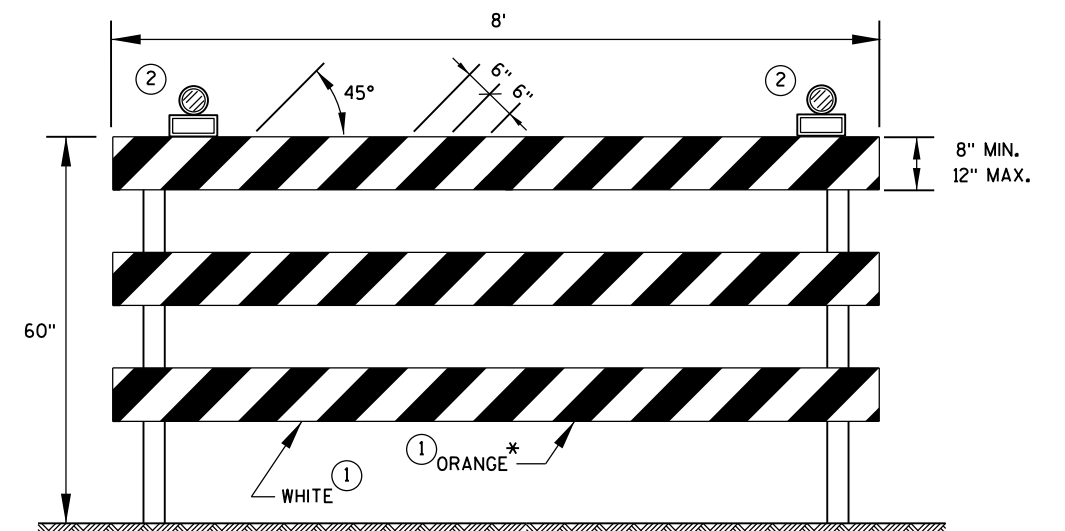
TYPE 2 BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED.
ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 3 BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

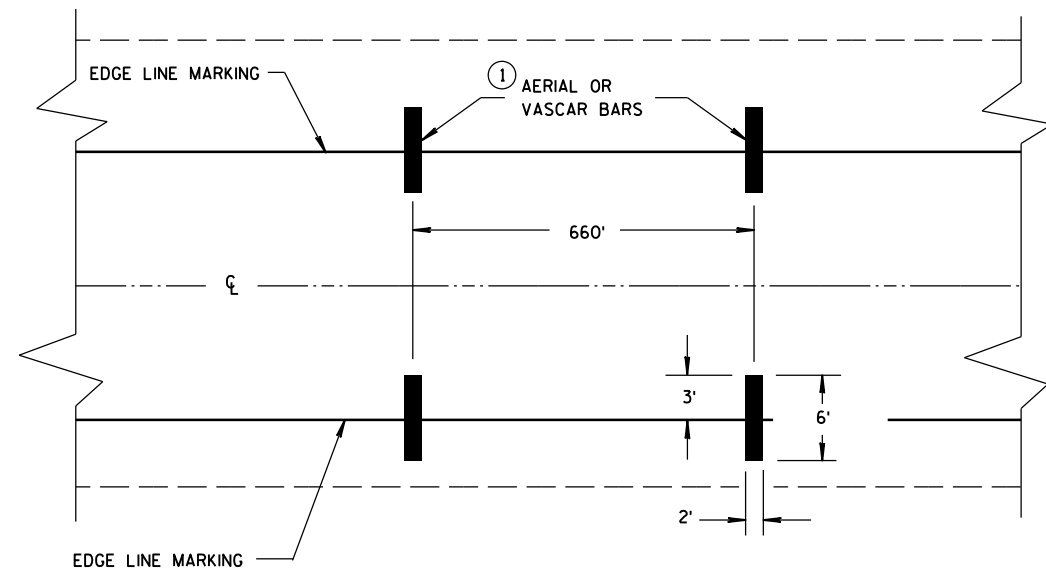
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

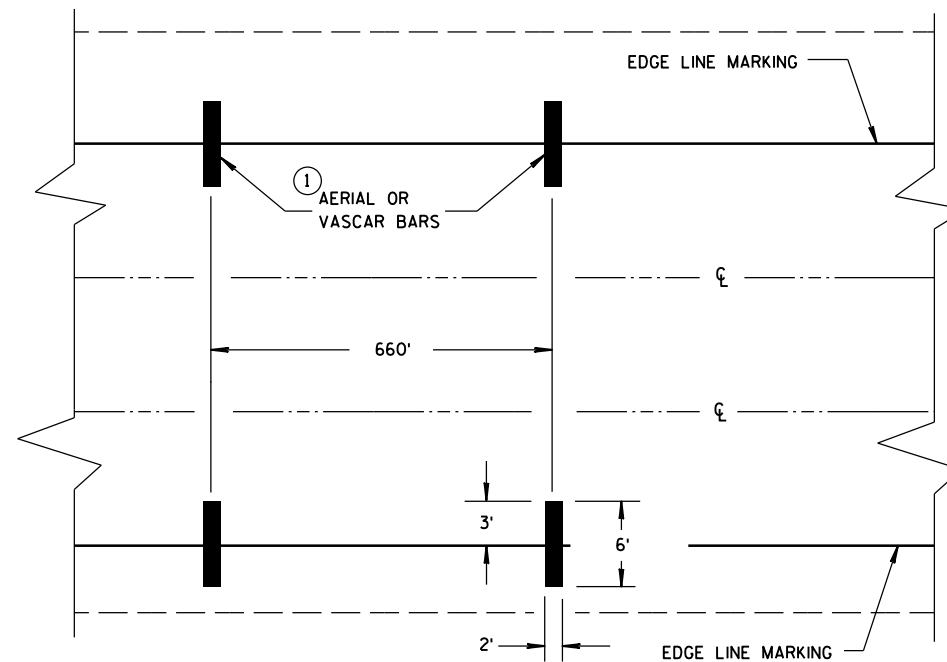
June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA



TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC



TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

GENERAL NOTES

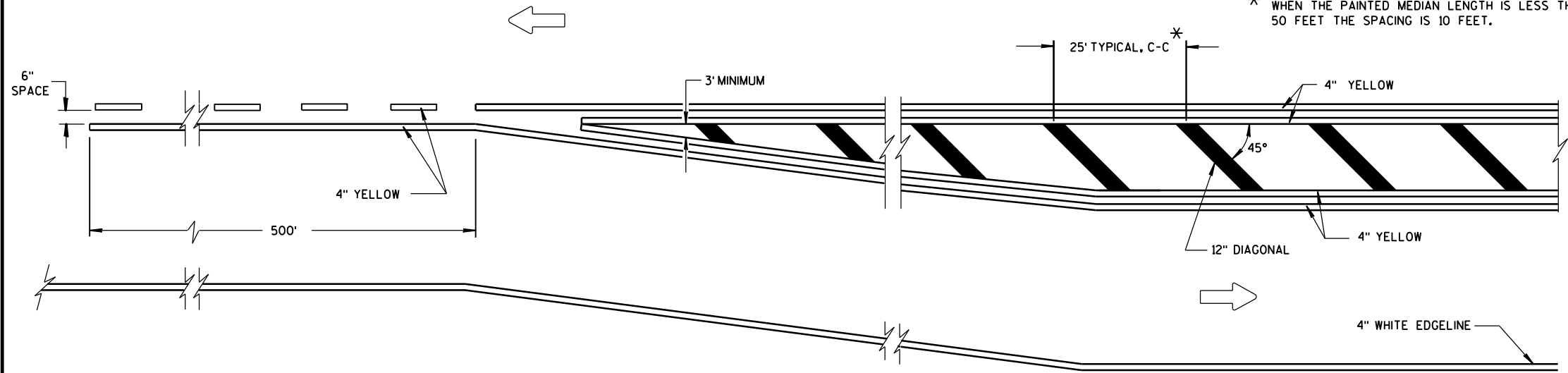
① PLACE TWO TO FIVE AERIAL OR VASCAR BARS AT 660 FOOT SPACING.

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

AERIAL ENFORCEMENT BARS
PAVEMENT MARKING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

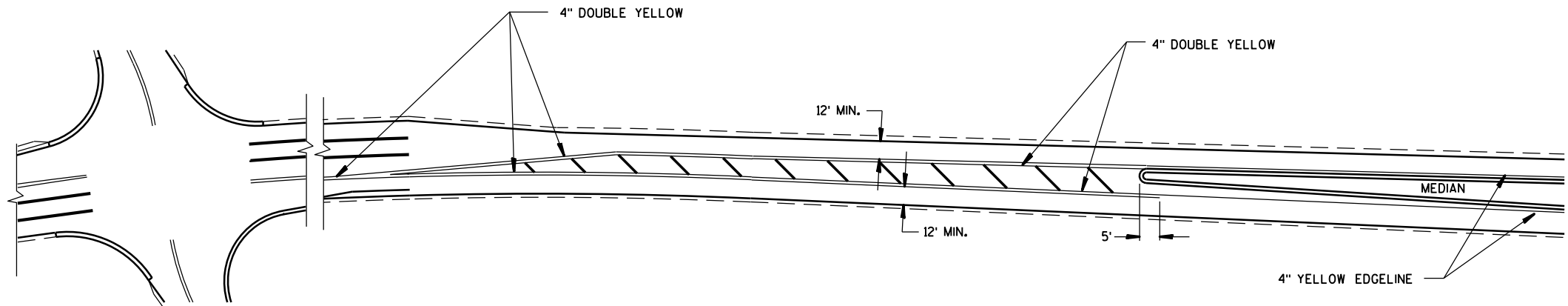


MEDIAN ISLAND DETAIL

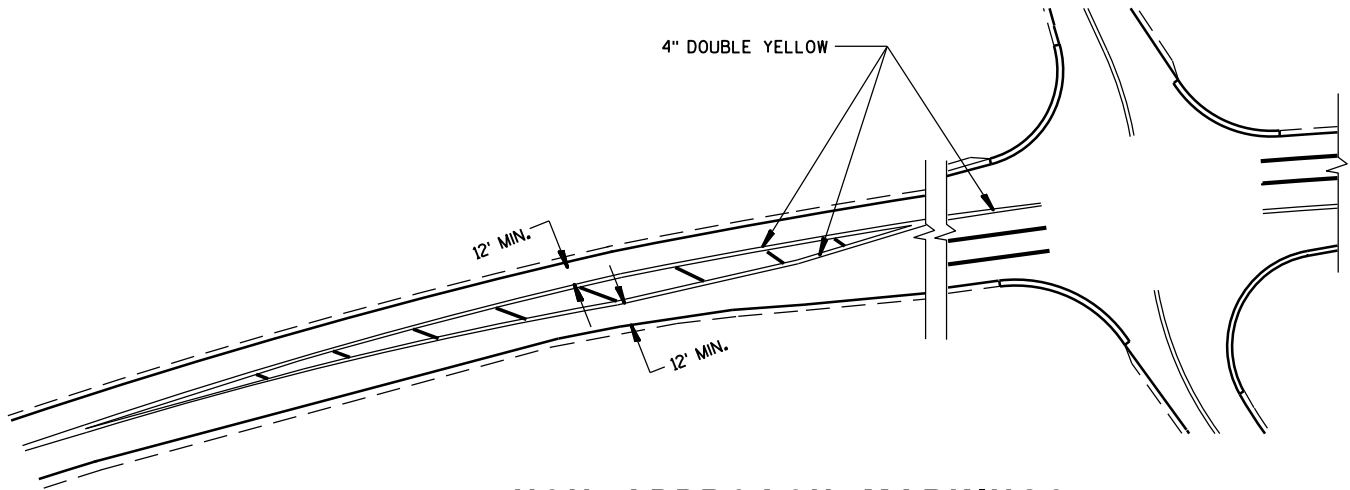
GENERAL NOTE

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

➡ DIRECTION OF TRAVEL

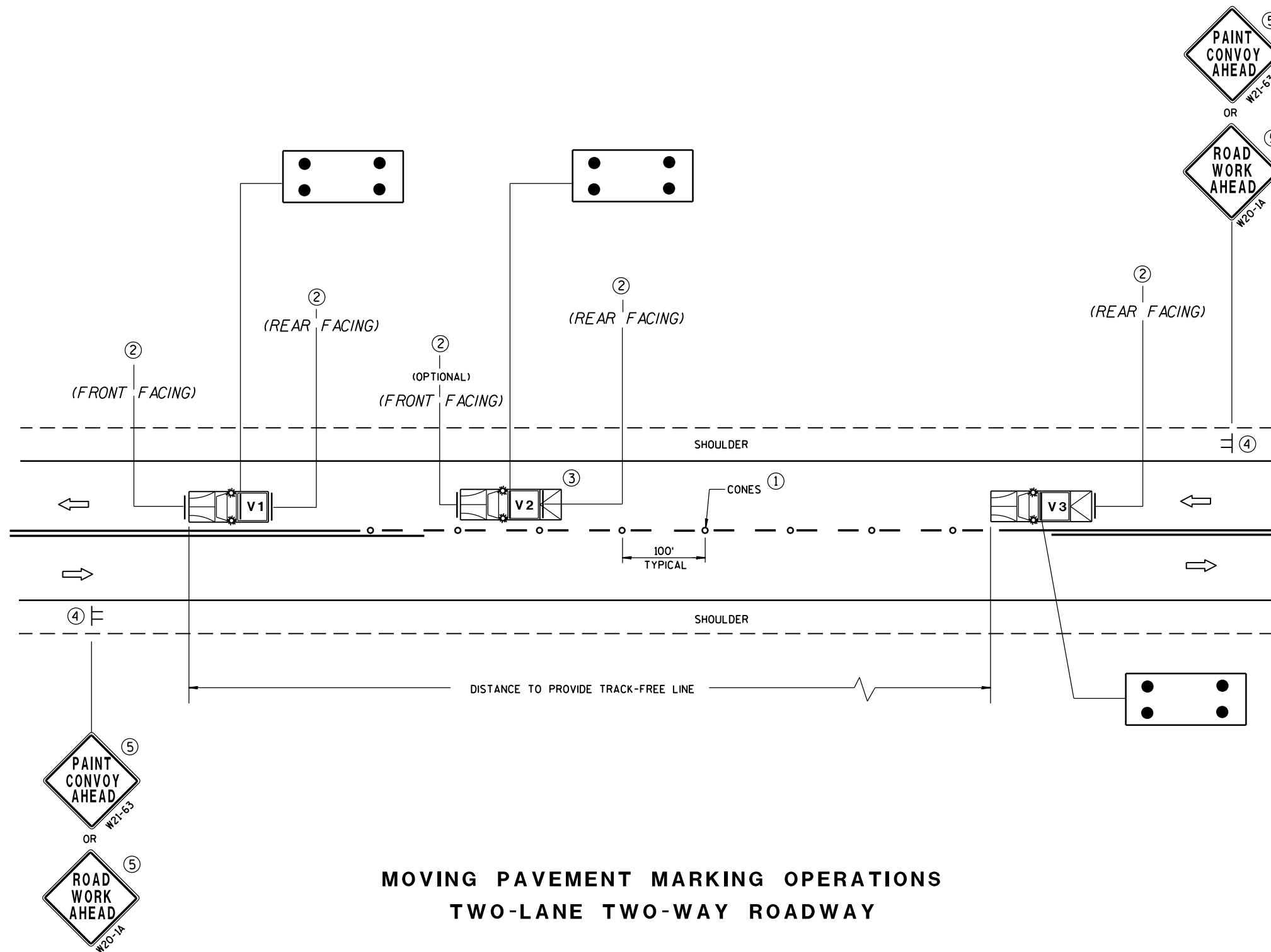


APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

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



MOVING PAVEMENT MARKING OPERATIONS
TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

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

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

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

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

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

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

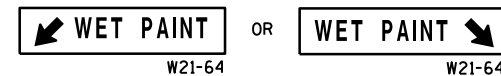
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

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

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

② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.



③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.

④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

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

LEGEND

V1 LEAD VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE WITH TMA

TMA TRUCK-MOUNTED ATTENUATOR

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

CONES

FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

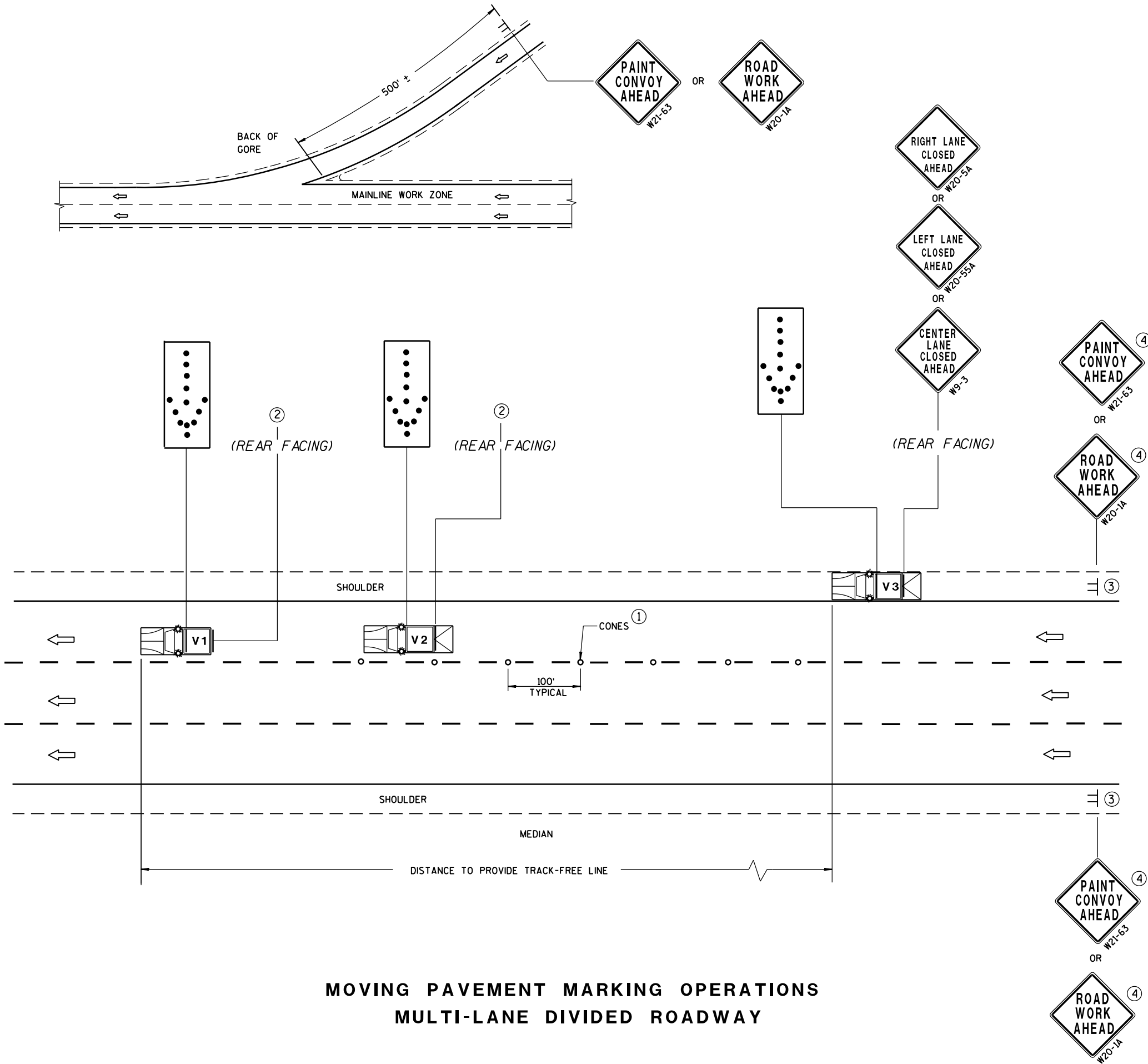
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016
DATE
FHWA

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



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

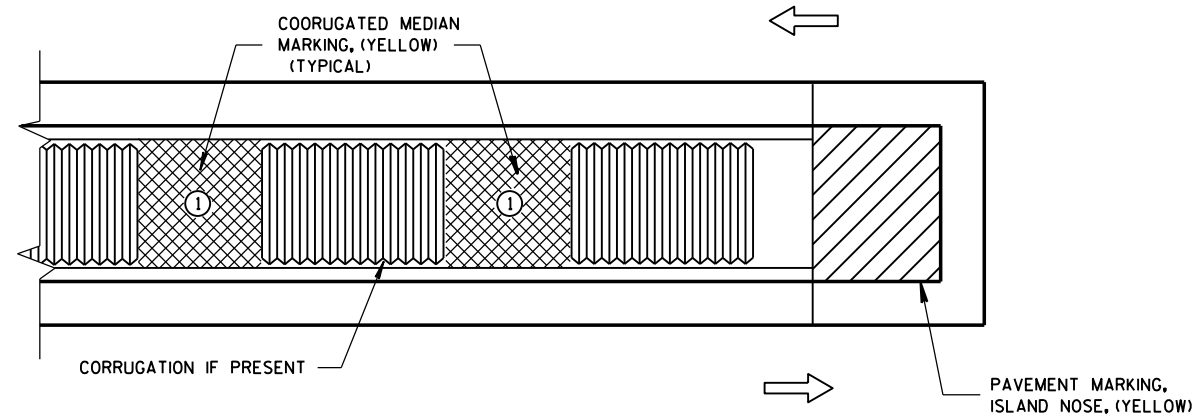
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

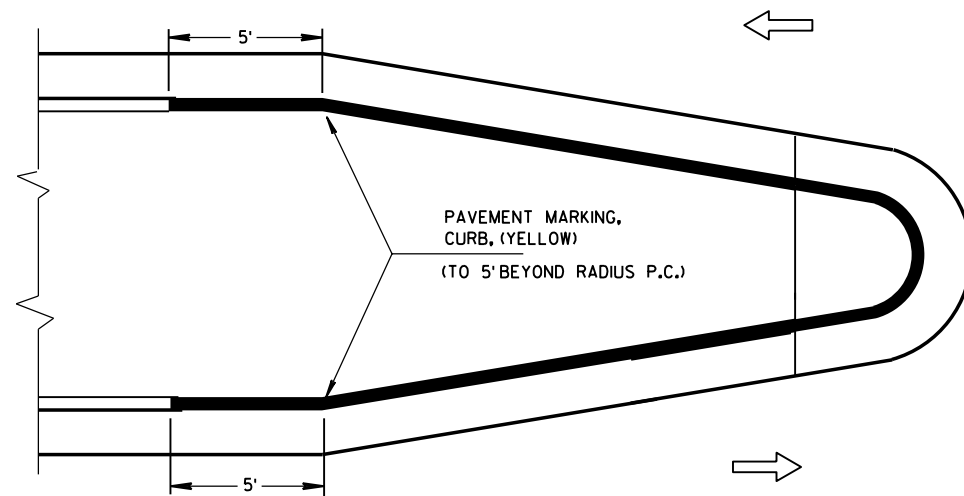
6

S.D.D. 15 C 21-8

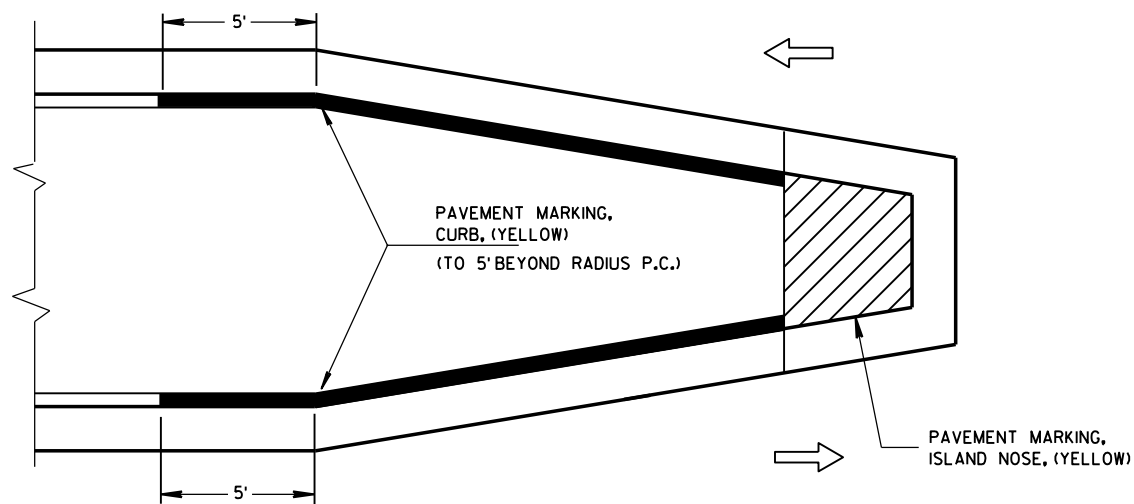
APPROVED
June 2017 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE

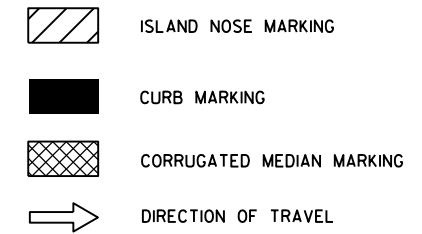


MEDIAN ISLAND WITH SLOPED NOSE

**TYPICAL PLACEMENT OF
PAVEMENT MARKING ON MEDIAN ISLANDS**

GENERAL NOTES

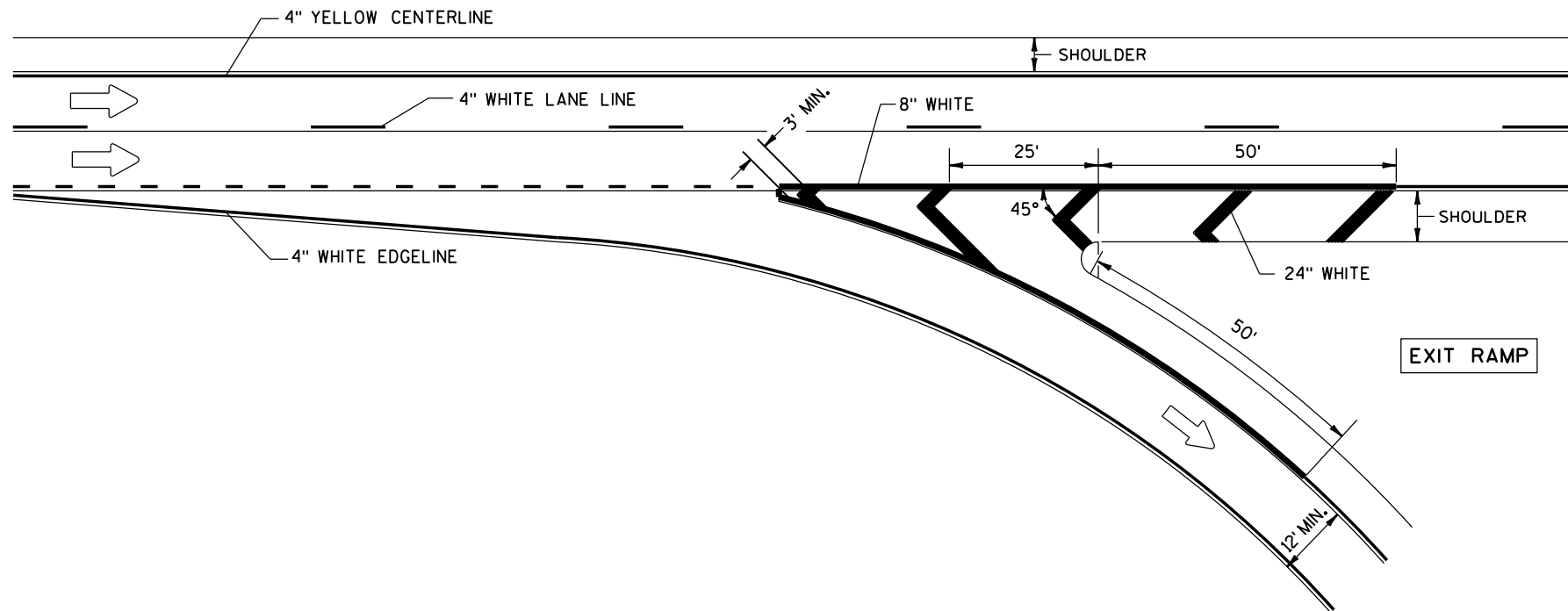
- ① WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED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



**PAVEMENT MARKING
(ISLANDS)**

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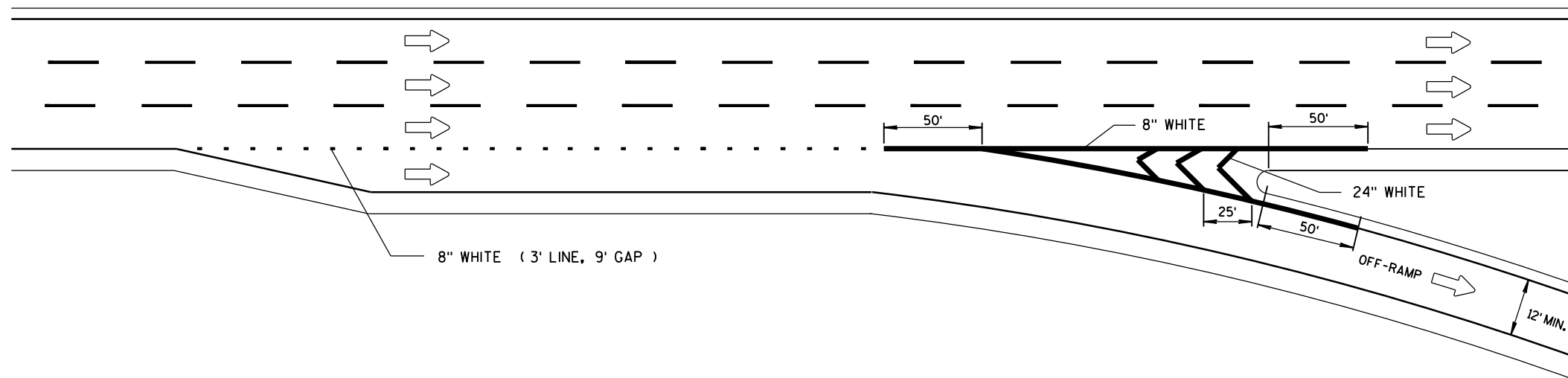
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

→ DIRECTION OF TRAVEL

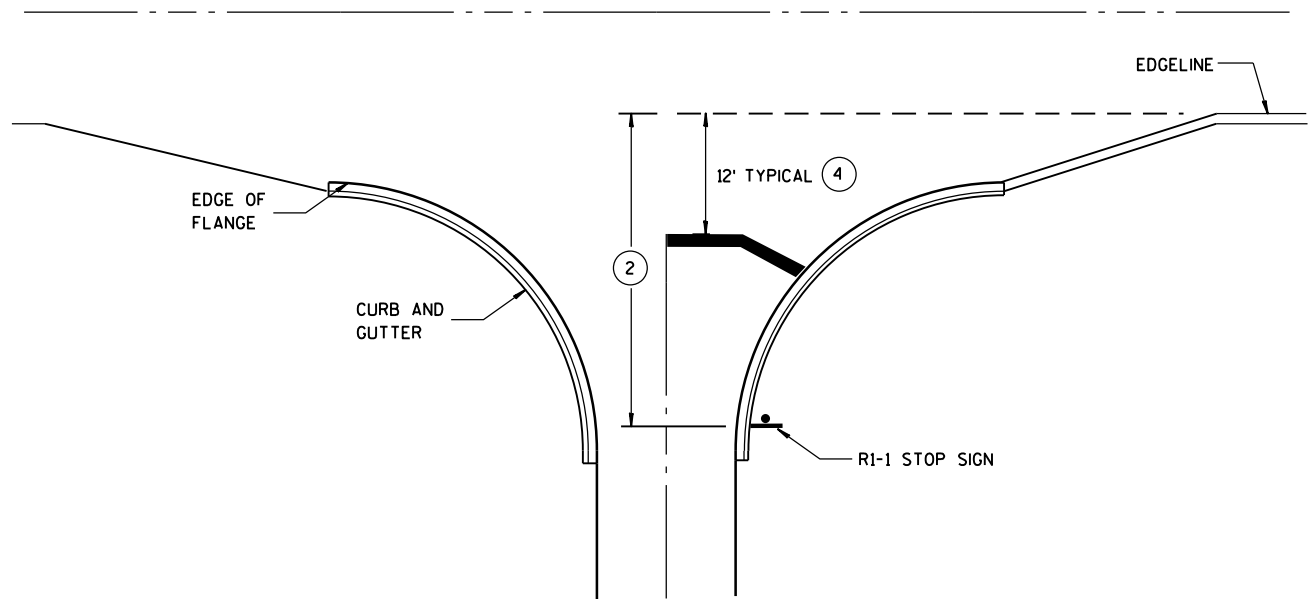
PAVEMENT MARKING FOR EXIT RAMP



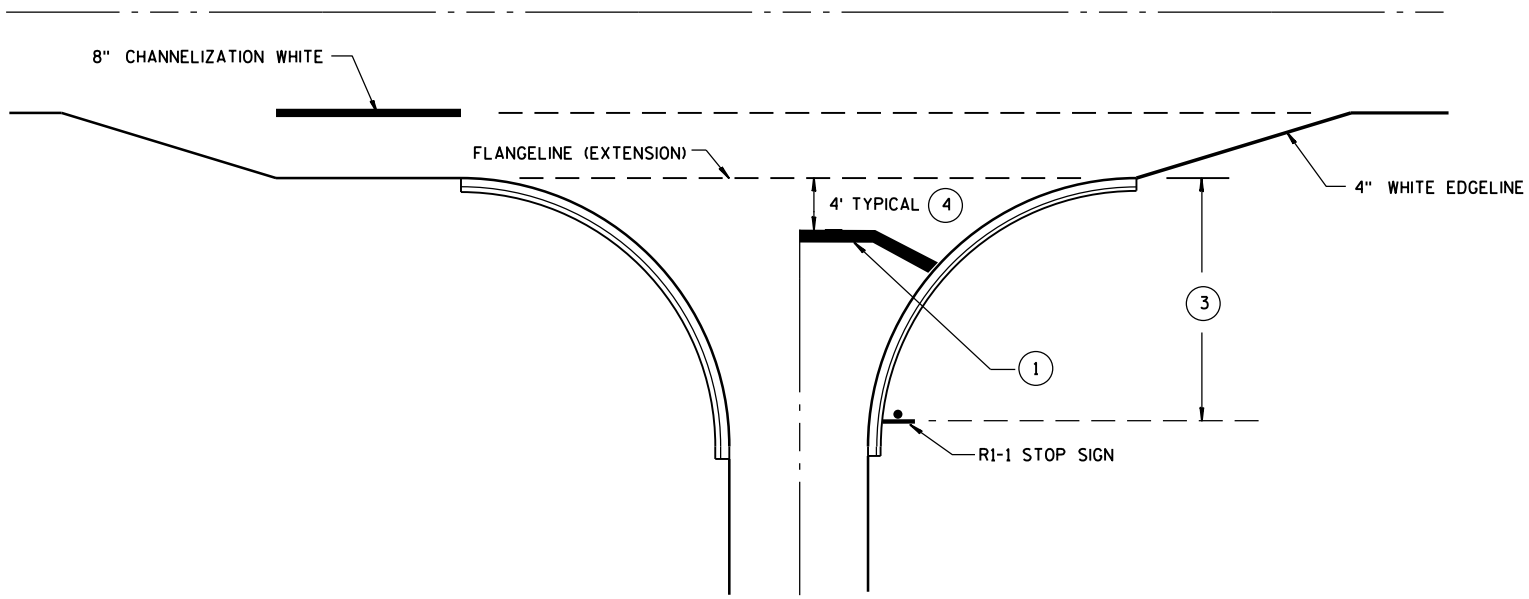
SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

PAVEMENT MARKING
(RAMPS AND GOES)

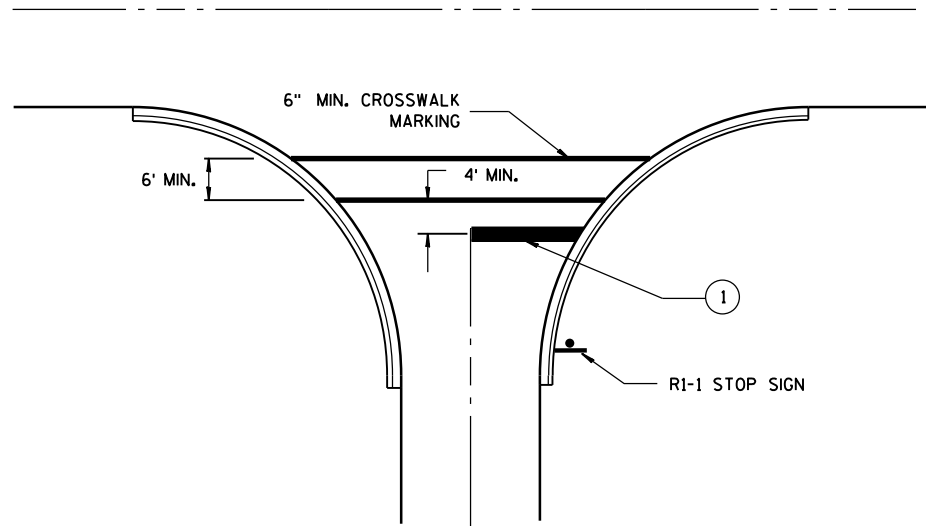
STATE OF WISCONSIN
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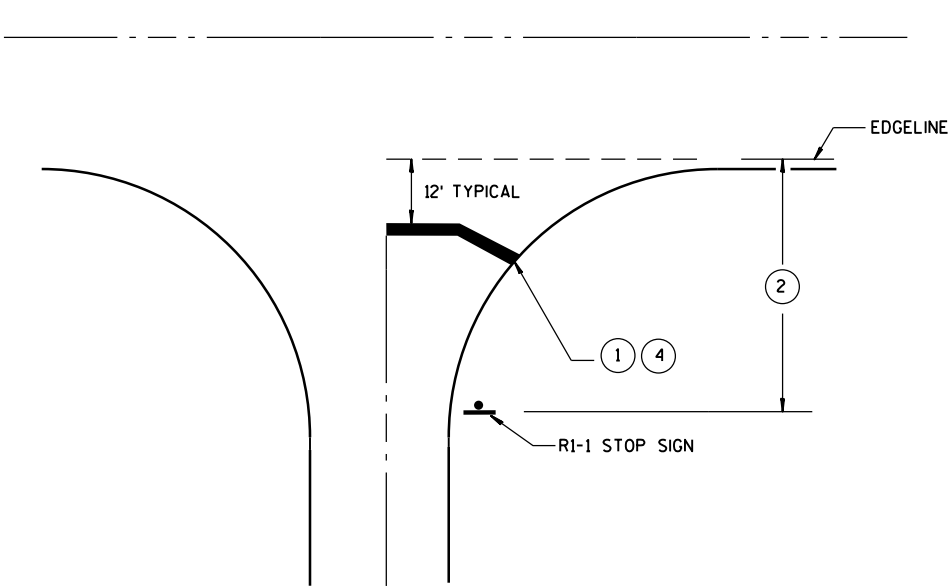
TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER



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

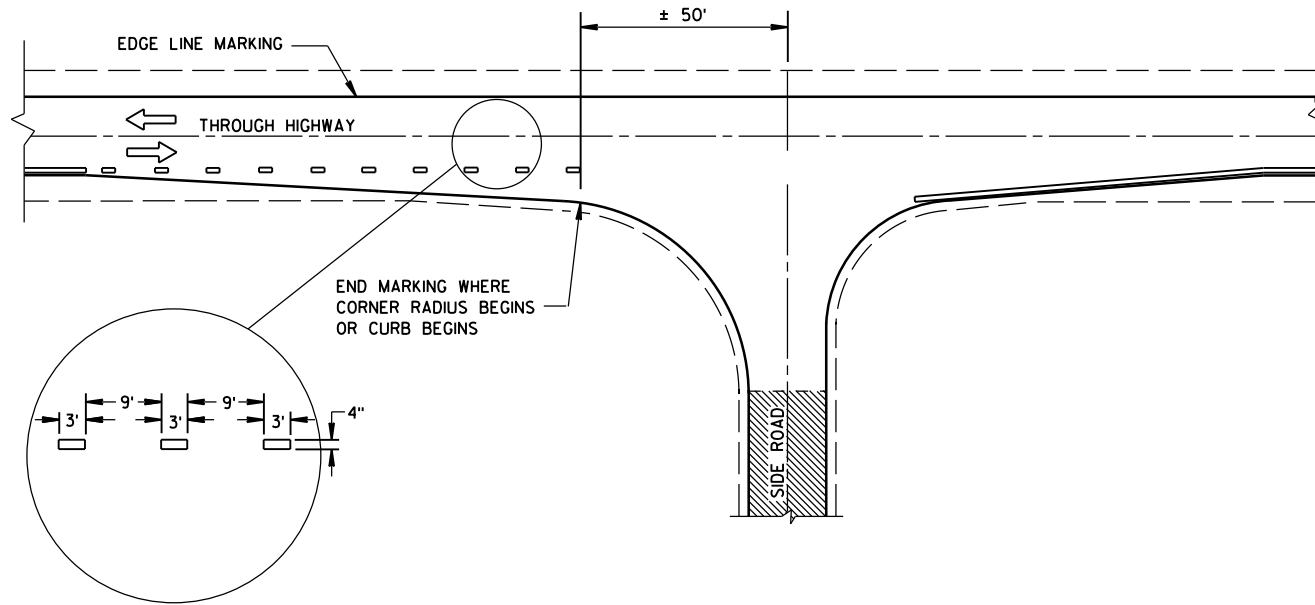
GENERAL NOTES

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




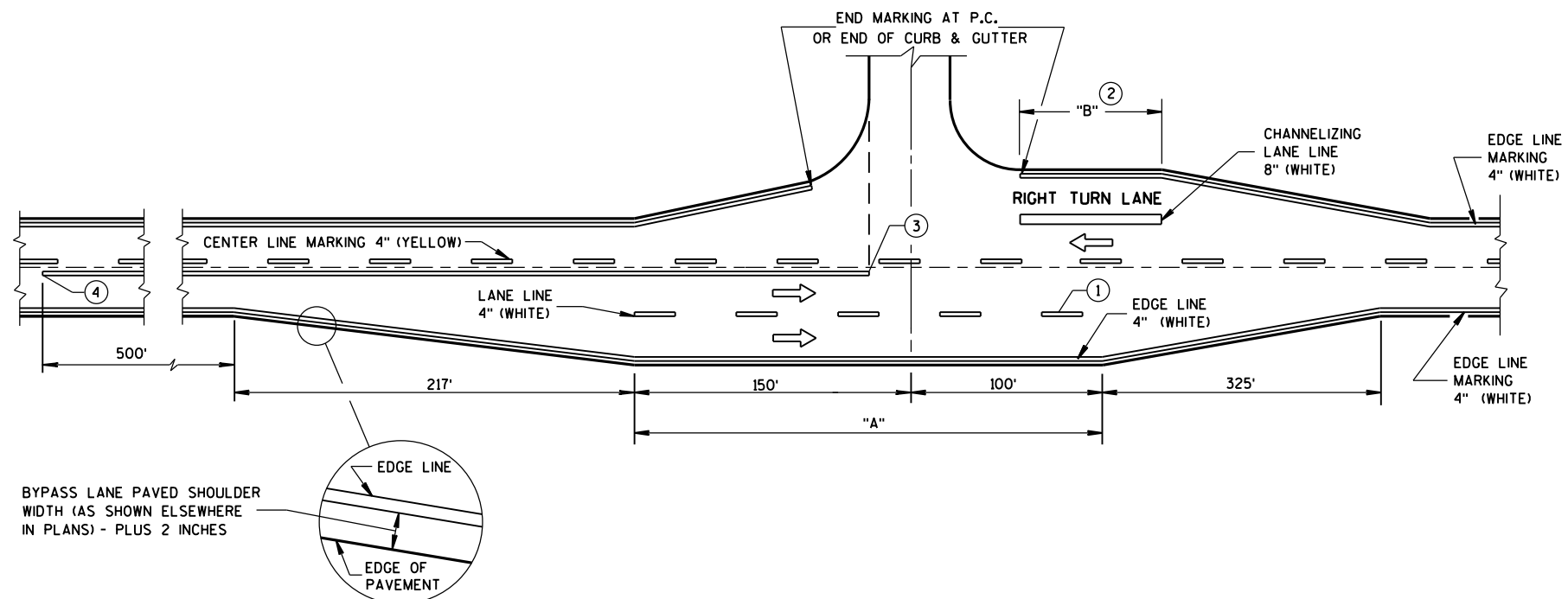
MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

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

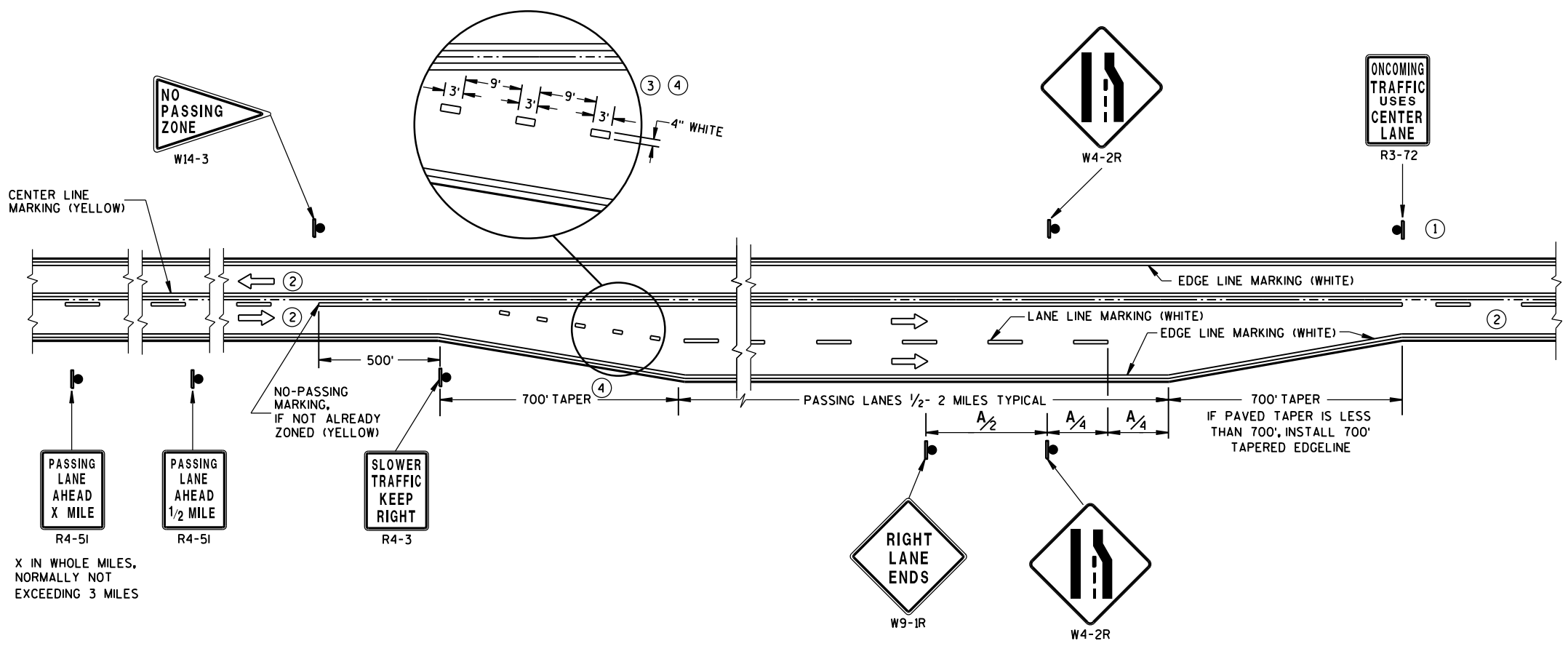
ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL



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

**PAVEMENT MARKING
(INTERSECTIONS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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

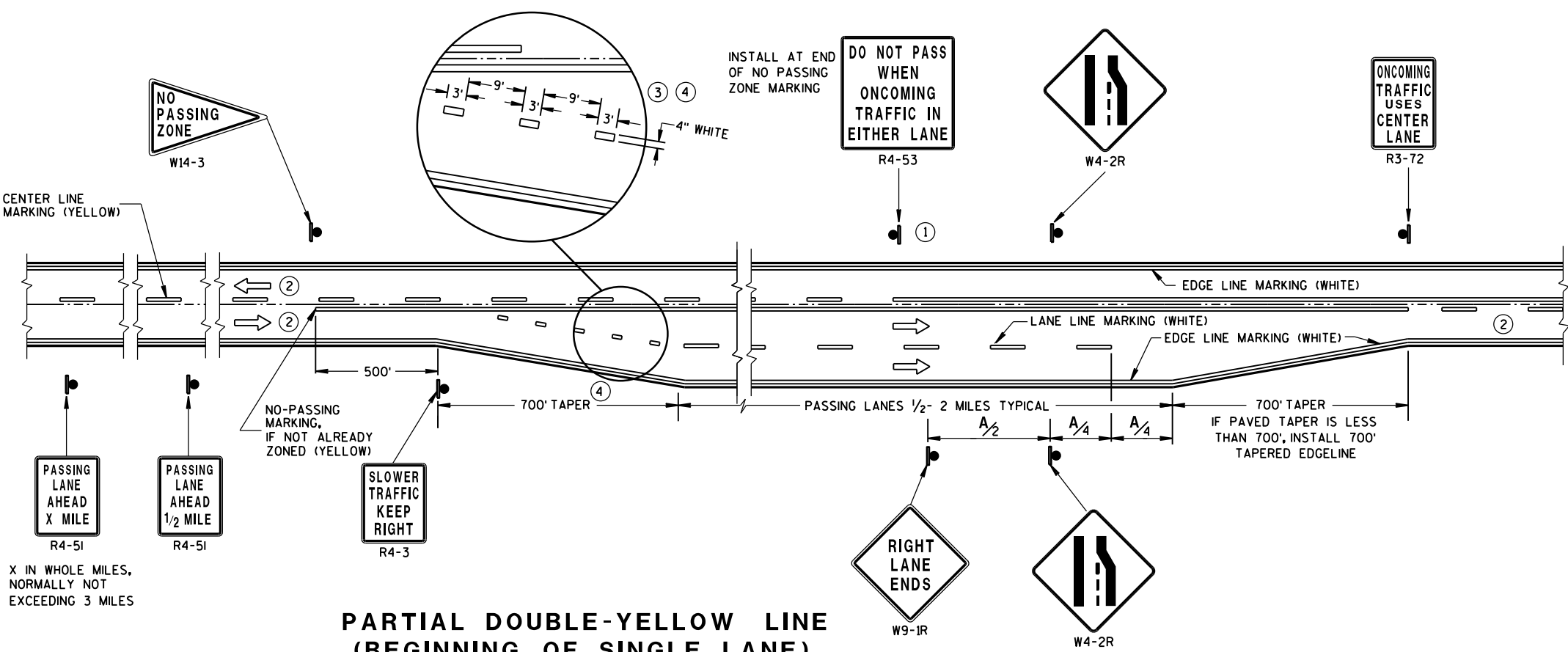
GENERAL NOTES

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

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

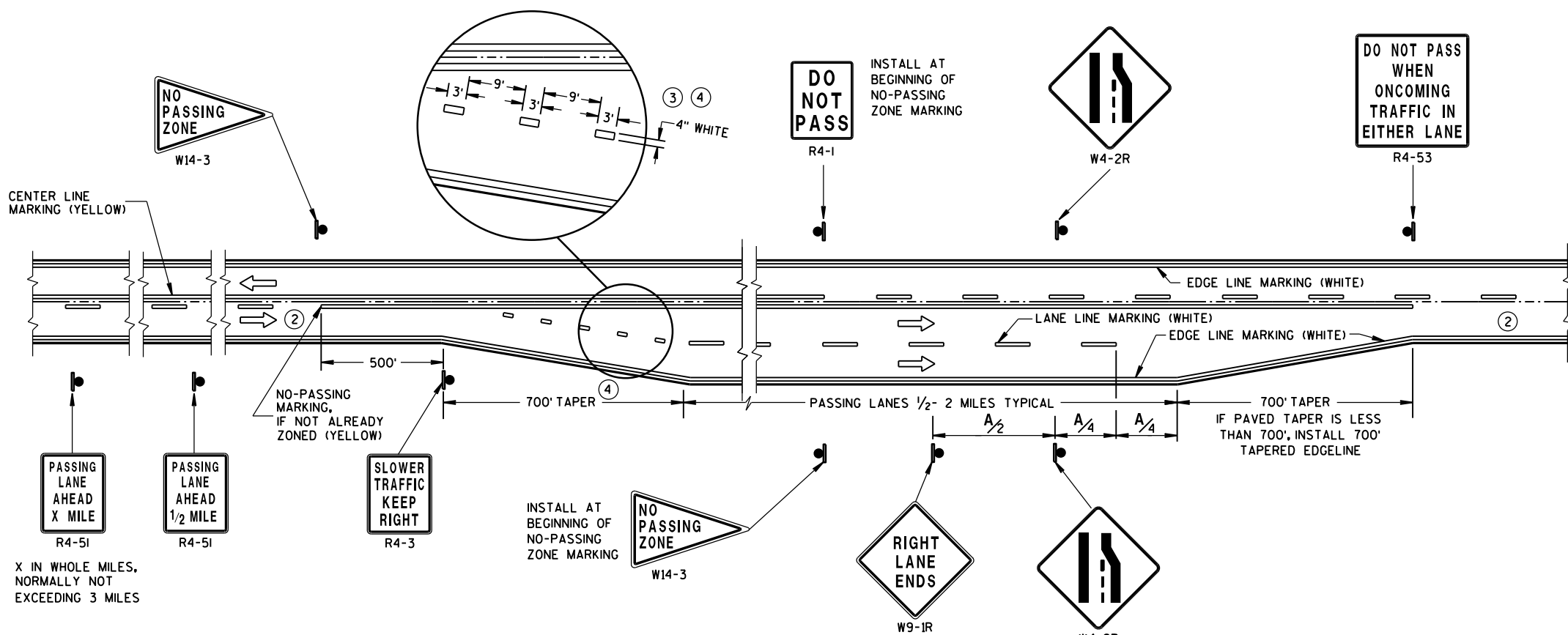
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950



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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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

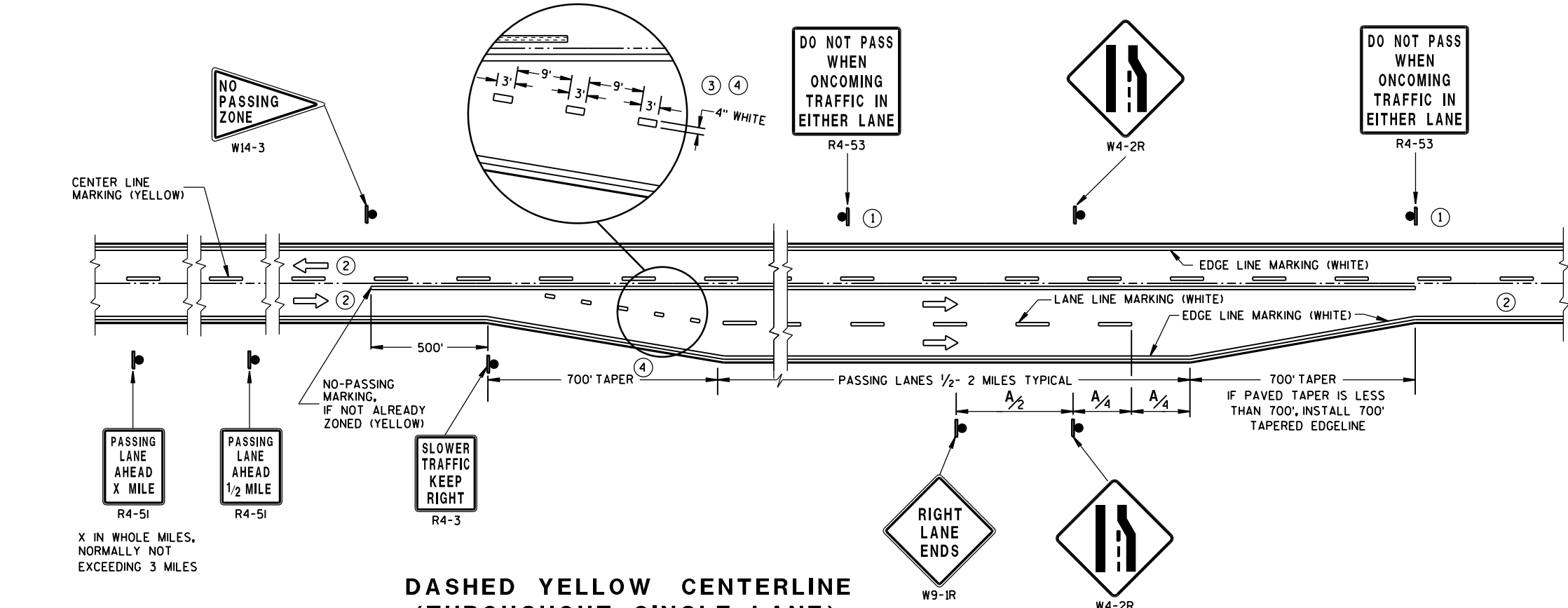
GENERAL NOTES

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

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

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



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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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.

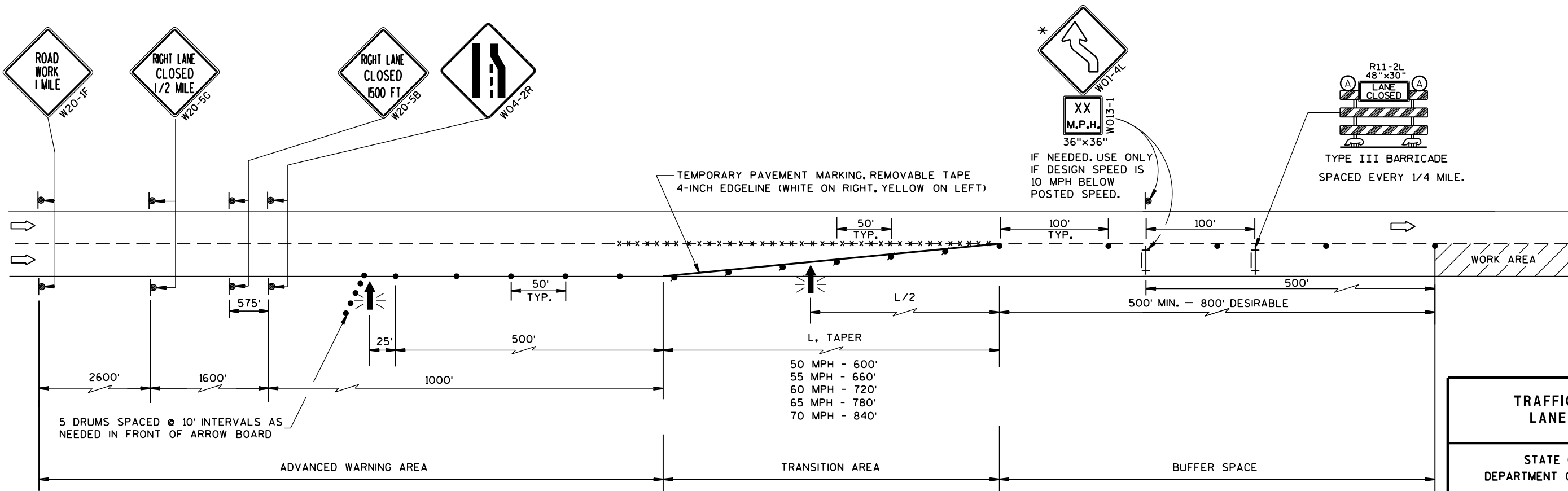
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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	

Notes



Wisconsin Department of Transportation

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