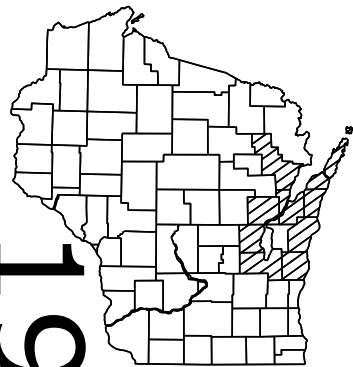


ORDER OF SHEETS

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 Plot
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 = 38



DESIGN DESIGNATION

A.A.D.T.	=
A.A.D.T.	=
D.H.V.	=
D.D.	=
T.	=
DESIGN SPEED	=
ESALS	=

CONVENTIONAL SYMBOLS

PLAN

CORPORATE LIMITS



REFERENCE LINE



COMBUSTIBLE FLUIDS

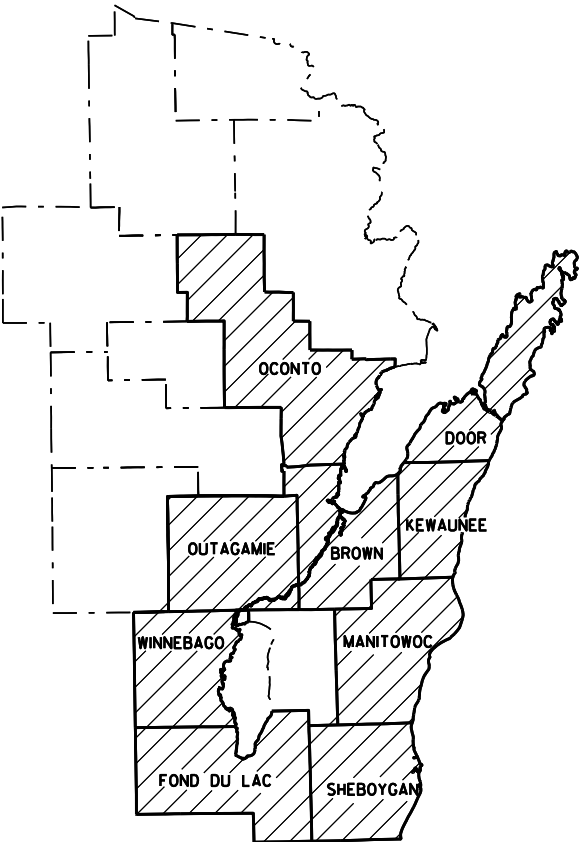


UTILITIES

ELECTRIC	— E —
FIBER OPTIC	— FO —
GAS	— G —
SANITARY SEWER	— SAN —
STORM SEWER	— SS —
TELEPHONE	— T —
WATER	— W —
UTILITY PEDESTAL	⊕
POWER POLE	⊞
TELEPHONE POLE	⊞

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY REHABILITATION-MAINTENANCE PROJECT
EPOXY PAVEMENT MARKING
VARIOUS HIGHWAYS
NE REGION WIDE

STATE PROJECT NUMBER
1009-33-14



LAYOUT
SCALE 0 2 MI.

TOTAL NET LENGTH OF CENTERLINE = 166.5 MI.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-33-14	WISC 2014109	1

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	_____
Designer	S HERLACHE
Project Manager	_____
Regional Examiner	_____
Regional Supervisor	M FREWARD
C.O. Examiner	_____
APPROVED FOR THE DEPARTMENT	
DATE: 12/2/13	Randy P. Asmann (Signature)

DATE 12FEB14			E S T I M A T E O F Q U A N T I T I E S		
LINE					1009-33-14
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	619.1000	MOBILIZATION	EACH	1.000	1.000
0020	643.0100	TRAFFIC CONTROL (PROJECT) 01.	EACH	1.000	1.000
0030	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	2,751,395.000	2,751,395.000
0040	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	46,225.000	46,225.000
0050	647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	EACH	18.000	18.000
0060	647.0176	PAVEMENT MARKING ARROWS EPOXY TYPE 3	EACH	4.000	4.000
0070	647.0356	PAVEMENT MARKING WORDS EPOXY	EACH	17.000	17.000
0080	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	853.000	853.000
0090	647.0803	PAVEMENT MARKING AERIAL ENFORCEMENT BARS EPOXY 24-INCH	LF	492.000	492.000

PAVEMENT MARKING

LOCATION	LOG MILE	Mile	646.0106		647.0803	REMARKS
			EPOXY 4-INCH		Aerial	
			SOLID	SOLID	Enforcement	
			WHITE	YELLOW	Epoxy 24-Inch	
			LF	LF	L.F.	
IH 43		16.00				
From: STH 310/USH 10 West	43.90					
To: STH 96	60.00					
North Bound			78,600	85,200		South Ramps
Exit Ramp STH 310/10			1,850	1,300		Mainline Edge lines
Entrance Ramp STH 310/10			2,360	1,040		Exit Ramp Edge lines
Aerial Enforcement Bars					36	Entrance Ramp Edge lines
Exit Ramp CTH V			1,735	1,245		3 Sets CTH V Entrance Ramp
Entrance Ramp CTH V			2,300	1,050		Mini dash @ Exit Ramp Edge lines
Exit Ramp CTH K			1,750	1,280		Entrance Ramp Edge lines
Entrance Ramp CTH K			2,500	1,120		Mini dash @ Exit Ramp Edge lines
Aerial Enforcement Bars					60	Entrance Ramp Edge lines
Exit Ramp STH 147/CTH Z			1,845	1,345		5 Sets 1.3 mi N of CTH K
Entrance Ramp STH 147/CTH Z			2,570	1,135		Mini dash @ Exit Ramp Edgelines/Island Gore
Wayside const 2013			?	?		Entrance Ramp Edge lines
South Bound			78,600	85,200		Mini dash @ Exit entry/exit Edge Lines
Wayside const 2013			?	?		Mainline Edge lines
Exit Ramp STH 147/CTH Z			1,835	1,335		Mini dash @ Exit entry/exit Edge Lines
Entrance Ramp STH 147/CTH Z			2,500	1,140		Exit Ramp Edge lines
Aerial Enforcement Bars					60	Entrance Ramp Edge lines
Exit Ramp CTH K			1,620	1,150		5 Sets 1.3 mi N of CTH K
Entrance Ramp CTH K			2,400	1,210		Exit Ramp Edge lines
Aerial Enforcement Bars					36	Entrance Ramp Edge lines
Exit Ramp CTH V			1,725	1,235		3 Sets CTH V Entrance Ramp
Entrance Ramp CTH V			2,300	1,010		Exit Ramp Edge lines
Exit Ramp STH 310/10			1,580	1,090		Entrance Ramp Edge lines
SUB-TOTALS			188,070	188,085	192	Exit Ramp Edge lines
TOTALS				376,155	192	

PAVEMENT MARKING

LOCATION	LOG MILE	MILE	646.0106				646.0126	647.0566	REMARKS
			EPOXY 4-INCH				EPOXY	STOP LINE	
			SOLID	DASHED	SOLID	DASHED	8-INCH	EPOXY	
			WHITE	WHITE	YELLOW	YELLOW		18-INCH	
			LF	LF	LF	LF	LF	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	

PAVEMENT MARKING SUMMARY

LOCATION	LOG MILE	MILE	646.0106 EPOXY 4-INCH SOLID WHITE LF	SOLID YELLOW LF	REMARKS
STH 42		5			
From: Algoma	68.35				Greenfield Ave
To: Kew/Door Co Line	72.80				CTH X Kew/Door Co Line
North Bound			23,235	8,800	Edgeline/Centerline
South Bound			23,920		Edgeline
TOTALS			47,155	8,800	
SUB-TOTALS			55,955		

PAVEMENT MARKING SUMMARY

LOCATION	LOG MILE	MILE	646.0106 EPOXY 4-INCH SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	647.0566 STOP LINE EPOXY 18-INCH LF	REMARKS
STH 42		12.5					
FROM: Sister Bay	119.18						N Jct STH 42/57
To: Northport	131.67						Northport Ferry
North Bound			61,500		80,500		Edgeline/Centerline
Jct STH 57						25	On STH 57 NB
Hillside Dr				75			Bypass Lane
South Bound			61,500				Edgeline
Cottage Rd				20			Edgeline Extension
School Rd				20			Edgeline Extension
SUBTOTAL			123,000	115	80,500	25	
TOTAL			203,615			25	

PAVEMENT MARKING SUMMARY

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	
STH 57		19					
FROM: Mid Jct STH 42/57	58.00						Sturgeon Bay
To: Baileys Harbor	76.90						CTH Q
North Bound			91,100		127,850		Edgeline/Centerline
Jct STH 42/57						325	Enterance Gore
CTH T						225	Right Turn
CTH WD						300	Right Turn
South Bound			90,500				Edge line
CTH E						180	Right Turn
North Kangaroo Lake Dr						100	Right Turn
Logerquist						100	Right Turn
CTH I						75	Right Turn
CTH T						90	Right Turn
Whitefish Bay Rd				25			Mini-Dash
Brauer Rd				50			Mini-Dash
Jct STH 42/57						50	Island Gore
SUBTOTAL			181,600	75	127,850	1,445	
TOTAL				309,525		1,445	

PAVEMENT MARKING SUMMARY

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	
STH 96		4.00					
From: Kaukauna	24.33						Clairabel Street
To: Wrightstown	28.60						Van Dyke St/Curb Gutter
East Bound			19,100		19,600		Edge Line/Center Line
Fox Meadow Ln						100	Rt Turn
River Forest Dr						100	Rt Turn
West Bound			19,100				Edge Line
CTH JJ				40		200	Rt Turn/Mini Dash
Kelso Rd						200	Rt Turn
Farmland Dr						200	Rt Turn
Lampighter						200	Rt Turn
LOCATION							
STH 96		10.00					
From: Jct STH 57	33.40						RAB STH 57/STH 96 Greenleaf
To: Jct CTH G	43.60						North Jct CTH G Shirley
East Bound			51,200		40,600		Edge Line/Center Line
Bypass Lane				65			Breckenridge
West Bound			50,275				Edge Line
CTH PP						265	Rt Turn
SUB-TOTALS			139,675	105	60,200	1,065	
				199,980			

PAVEMENT MARKING SUMMARY

LOCATION	LOG MILE	MILE	646.0106 EPOXY 4-INCH			646.0126	647.0566	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	STOP LINE EPOXY 18-INCH LF	
STH 47		2						
From: 9th St	0.86							Menasha
To: Calumet Ave	3.10							Appleton
North Bound								
Menasha @ 9th St			2,750	2,825	23,100			Center Turn Lane/Edge Lines/Lane Lines
Airport Rd						100	40	Arrow/Left Turn/Stop Bar
Airport Rd to CTH AP								Two Way Turn in Median
CTH AP						160	36	Left Turn/Stop Bar
Median						100		Left Turn
USH 10/STH 441						320	25	Right Turn/Stop Bar
USH 10/STH 441						75	36	Left Turn/Stop Bar
CTH P						100		
CTH P to Calumet Ave								Center Turn Lane
Calumet Ave							25	
South Bound								
Appleton @ Calumet Ave			3,120	2,825	2,750			Edge Lines/Lane Lines
CTH P						75	40	Left Turn/Stop Bar
USH 10/STH 441						250	25	Stop Bar/Right Turn
USH 10/STH 441							35	Stop Bar
Median						100		Left Turn
CTH AP						150	35	Left Turn/Stop Bar
UNKNOWN						50	35	Left Turn/Stop Bar
9th St						425		Median Island
SUBTOTAL			5,870	5,650	25,850	1,905	332	
TOTAL				37,370		1,905	332	

PAVEMENT MARKING SUMMARY

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	
STH 47		2					
From: S of USH 41	6.80						Pvmt change @ begin divided
To: CTH JJ	8.15						Jct STH 47/CTH JJ
North Bound			5,550	2,000	13,525		Edge Lines/Lane Line
USH 41 North Bound						300	USH 41 North Bound Exit
Evergreen Rd						365	Lt/Rt Turn
Elsner Rd						150	Lt Turn
CTH JJ						500	Lt/Rt Turn
South Bound			5,825	1,875	2,060		Edge Lines/Lane Line
Evergreen Rd						150	Lt Turn
USH 41 South Bound						300	USH 41 South Bound Exit
Seneca						100	Lt Turn
SUBTOTAL			11,375	3,875	15,585	1,865	
TOTAL				30,835		1,865	

PAVEMENT MARKING SUMMARY

LOCATION	LOG MILE	MILE	646.0106 EPOXY 4-INCH			646.0126	647.0566	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	Stop Line Epoxy 18-Inch LF	
STH 64		7						
From: Oconto/Langlade Co	0.00							Oconto/Langlade Co Line
To: North Jct STH 32	6.78							North Jct STH 32
East Bound			35,745		42,800			Edge Line/Center Line
Jct STH 32/STH 64							15	Jct STH 32
West Bound			35,600					Edge Line
LOCATION								
STH 64		12						
From: South Jct STH 32	6.80							South Jct STH 32
To: CTH S	19.10							CTH S
East Bound			64,200		32,625			Edge Line/Center Line
Old 64 Road				65				Bypass Lane
Ucil Lake Road						200		Rt Turn Lane
West Bound			64,700					Edge Line
Old 64 Road						200		Rt Turn Lane
Jct STH 32/STH 64						100		Rt Turn Lane
Jct STH 32/STH 64							25	Stop Bar
SUBTOTAL			200,245	65	75,425	500	40	
TOTAL				275,735		500	40	

PAVEMENT MARKING SUMMARY

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	
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	

PAVEMENT MARKING SUMMARY

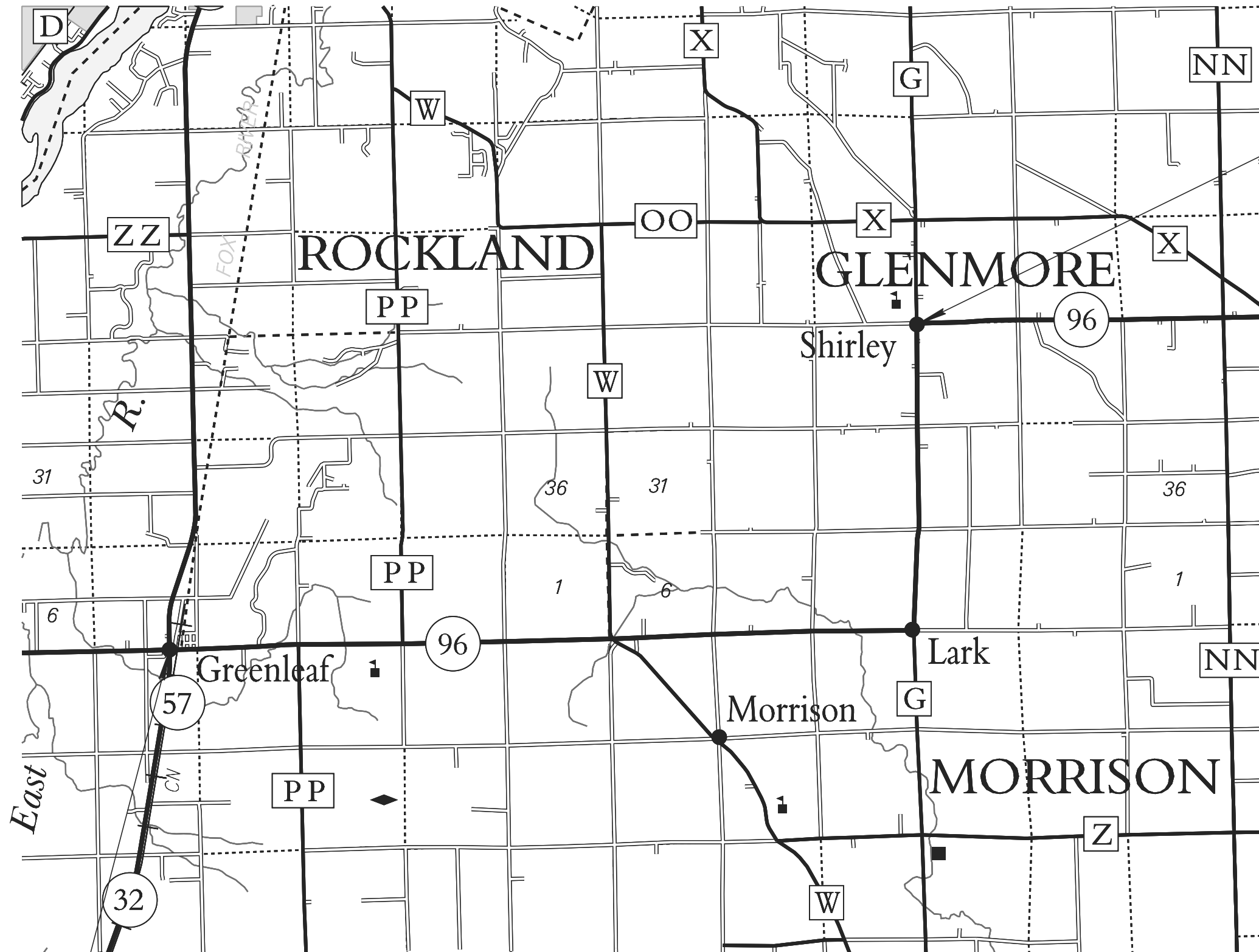
LOCATION	LOG MILE	MILE	646.0106			646.0126	REMARKS
			SOLID WHITE LF	EPOXY 4-INCH DASHED WHITE LF	SOLID YELLOW LF	EPOXY 8-INCH LF	
STH 91		15					
From: Winnebago WCL	0.00						Winn/Green Lake Co Line
To: STH 44	14.75						Jct STH 44
East Bound			75,725		71,700		Edge line/Center Line
Rabbit Tr						200	Rt Turn
Rush Lake Rd						200	Rt Turn
STH 116				125			Bypass Ln
Bradley Rd						150	Rt Turn
Elo Rd						200	Rt Turn
CTH FF						320	Rt Turn
Knott Rd						150	Rt Turn
Utica Energy						200	Rt Turn
James Rd						160	Rt Turn
Clairville Rd						160	Rt Turn
Lane Line				200			4 Lane Section @ STH 44
West Bound			70,225	185			Edge line/Lane Line
Global						200	Rt Turn
Clairville Rd						200	Rt Turn
Utica Energy				50			Bypass Ln
Knott Rd						200	Rt Turn
CTH FF						370	Rt Turn
Elo Rd						200	Rt Turn
Bradley Rd						200	Rt Turn
STH 116						200	Rt Turn
Fox St						200	Rt Turn
Archery Dr						100	Rt Turn
Morrow Rd						200	Rt Turn
Schuster Rd						100	Rt Turn
CTH E						100	Rt Turn
SUBTOTAL			145,950	560	71,700	4,010	
TOTAL				218,210		4,010	

PAVEMENT MARKING SUMMARY

LOCATION	LOG MILE	Mile	646.0106 EPOXY 4-INCH			647.0803 Aerial Enforcement Epoxy 24-Inch L.F.	647.0166 Arrows Epoxy Type 2 EACH	647.0176 Arrows Epoxy Type 3 EACH	647.0356 Words Epoxy ONLY EACH	647.0566 STOP LINE Epoxy 18-INCH LF	646.0126 EPOXY 8-INCH LF	REMARKS
			SOLID WHITE LF	DASHED WHITE LF	SOLID YELLOW LF							
USH 41		24.00										
From: Fond du lac South County Line	0.00											Fond du lac/Dodge Co Line
To: 1 Mile South of STH 26	24.10											Pvmt Change 1 Mile South of STH 26
North Bound			114,200		127,830							Main Line Edge Lines/Lane Lines are Tape
CTH B Off Ramp			2,430		1,945							Off ramp Edge lines
CTH B On Ramp			3,200		1,460							On Ramp Edge lines
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 00 Off Ramp			2,115		900							Off Ramp Edge lines
Winnebago St/CTH 00 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								End lane line Tape to Begin lane line Tape
South Bound			114,000		125,825							Main Line Edge Lines
Lane Line				3,620								End lane line Tape to Begin lane line Tape
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 00 Off Ramp			1,850		635						60	Island Gore/Off Ramp Edge lines
Winnebago St/CTH 00 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
CTH B Off Ramp			1,790		1,300							Off ramp Edge lines
CTH B On Ramp			3,100		1,550							On Ramp Edge lines
Aerial Enforcement Locations												
North Bound												
North of CTH FF						72						6 Sets
CTH B SE Ramp						24						2 Sets
S of CTH N						60						5 Sets
South Bound												
S of CTH N						60						5 Sets
N of CTH B						60						5 Sets
CTH B SW Ramp						24						2 Sets
SUB-TOTALS			292,855	7,130	282,760	300	12	4	11	231	14,275	
TOTAL				582,745		300	12	4	11	231	14,275	

PAVEMENT MARKING SUMMARY

LOCATION	LOG MILE	Mile	646.0106 SOLID WHITE LF EPOXY 4-INCH DASHED WHITE LF	SOLID YELLOW LF	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	REMARKS
USH 151		8.00							
From: Jct USH 41	16.65								USH 41 South Ramps
To: CTH WH	24.60								
North Bound			37,000		48,000				Rt/Lt Edgelines/Centerline
Jct USH 41					425			25	USH 41 South Ramps Rt Turn/Stop Bar
Jct USH 41					320			25	Island Gore/Stop Bar
Camelot Dr					370				Left Turn
Martin Rd					950				Rt /Lt Turn & Gore
South Jct CTH V					950				Rt /Lt Turn & Gore
USH 45			1,060		1,060	265		30	Ramp Edgelines/Centerline/Stop Bar
North Jct CTH V					950				Rt /Lt Turn & Gore
CTH T					950				Rt /LT Turn & Gore
STH 23			1,650	50	1,100	740			Exit Ramp Dash & Gore/Ramp Edgelines
STH 23			2,460		750	2,120			Entry Ramp Edgelines/Gore
STH 23				1,175					End Grooved @ STH 23 to End divided
Ducharme Parkway					370				Lt Turn
CTH K					210				Rt Turn
Golf Course Dr					210				Rt Turn
CTH WH					370	3	3	35	Rt & Lt Turn/Stop Bar
South Bound			37,000		32,000				Rt/Lt Edgelines
CTH WH					370	3	3	35	Rt /Lt Turn & Stop Bar
Golf Course Dr					210				Rt Turn
CTH K					370				Rt Turn
Ducharme Parkway					370				Rt Turn
Begin Divided				700					Begin Divided to Begin Grooved Tape
STH 23			1,635	40	1,000	845			Exit Ramp Dash & Gore/Ramp Edgelines
STH 23			800		2,485	2,220			Entry Ramp Edgelines/Gore
CTH T					900				Rt /Lt Turn & Gore
North Jct CTH V					900				Rt /Lt Turn & Gore
USH 45			1,500		3,000	325			Ramp Edgelines/Centerline/Stop Bar
South Jct CTH V					1,000				Rt /Lt Turn & Gore
Martin Rd					700				Rt /Lt Turn & Gore
Camelot Dr					370				Rt Turn
USH 41 North Bound					475			30	Rt Turn/Stop Bar @ North Ramps
USH 41 South Bound					320				Island Gore USH 41 South Bound
USH 41 South Ramps								30	Stop Bar @ South Ramps
SUB-TOTALS			83,105	1,965	89,395	18,575	6	6	210
TOTALS				174,465		18,575	6	6	210

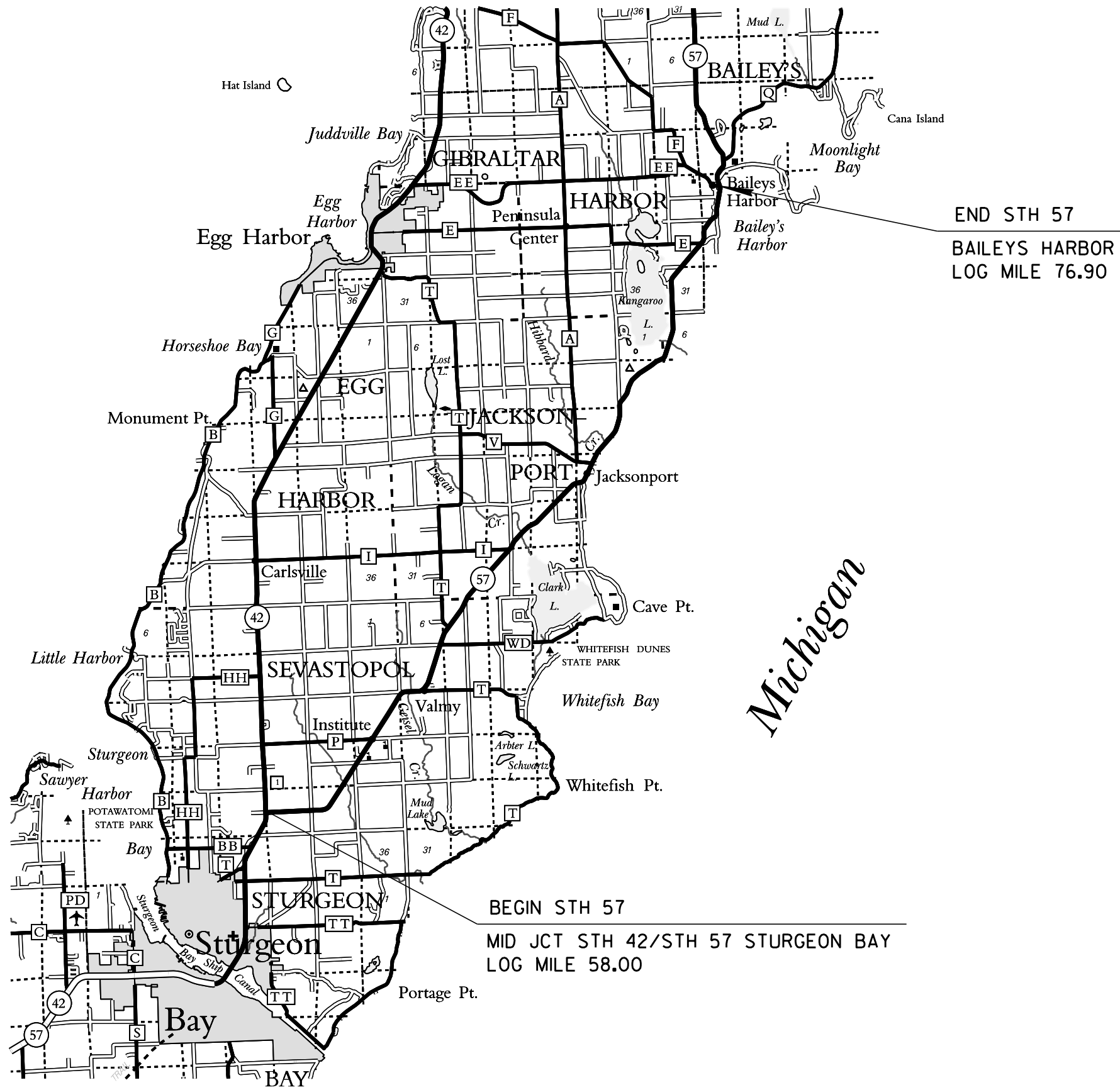


END STH 96
JCT CTH G SHIRLEY
LOG MILE 43.60

BEGIN STH 96
JCT STH 57/STH 32 RAB GREENLEAF
LOG MILE 33.40

5

5



END STH 57
BAILEYS HARBOR
LOG MILE 76.90

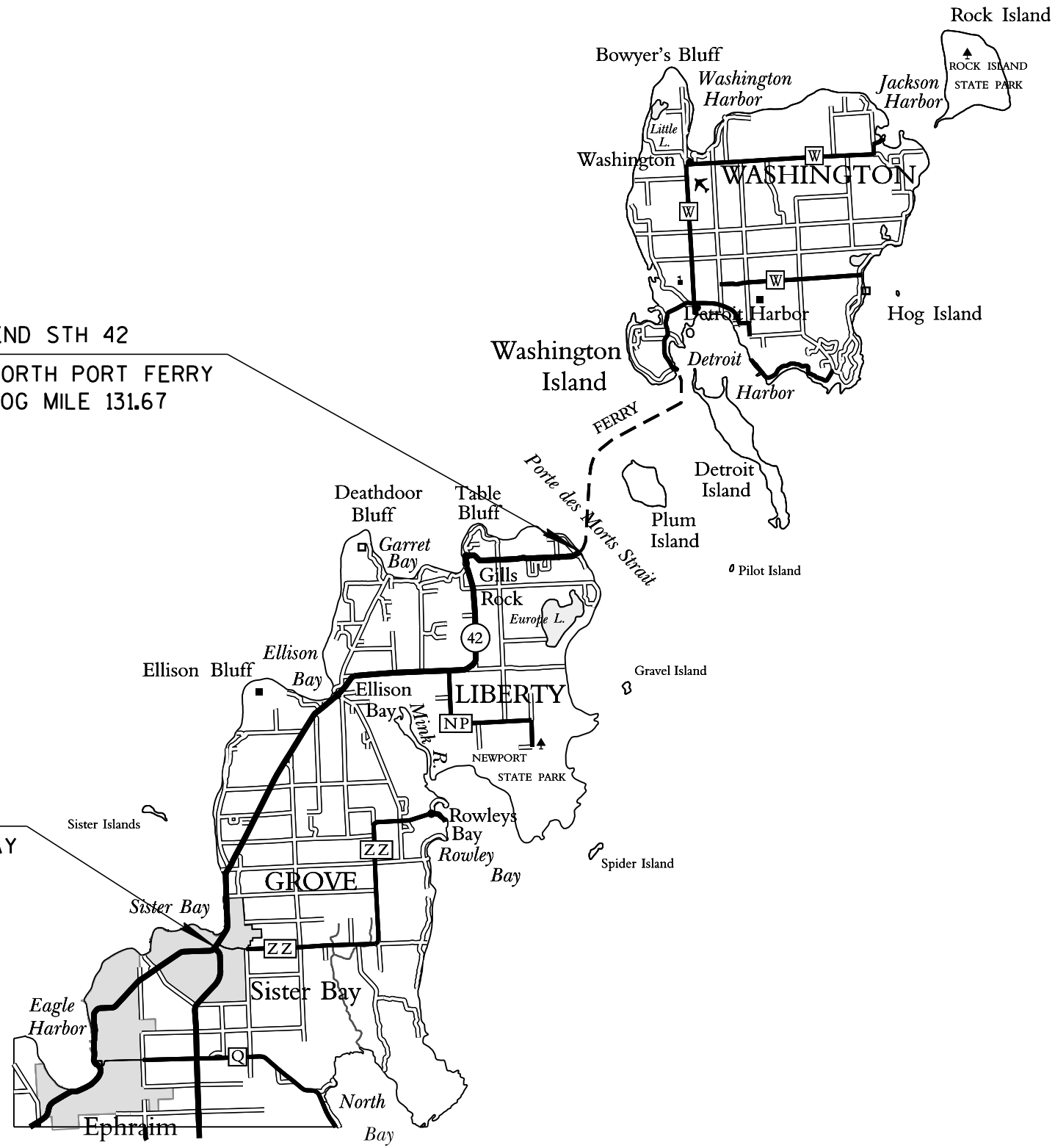
BEGIN STH 57
MID JCT STH 42/STH 57 STURGEON BAY
LOG MILE 58.00





END STH 42
NORTH PORT FERRY
LOG MILE 131.67

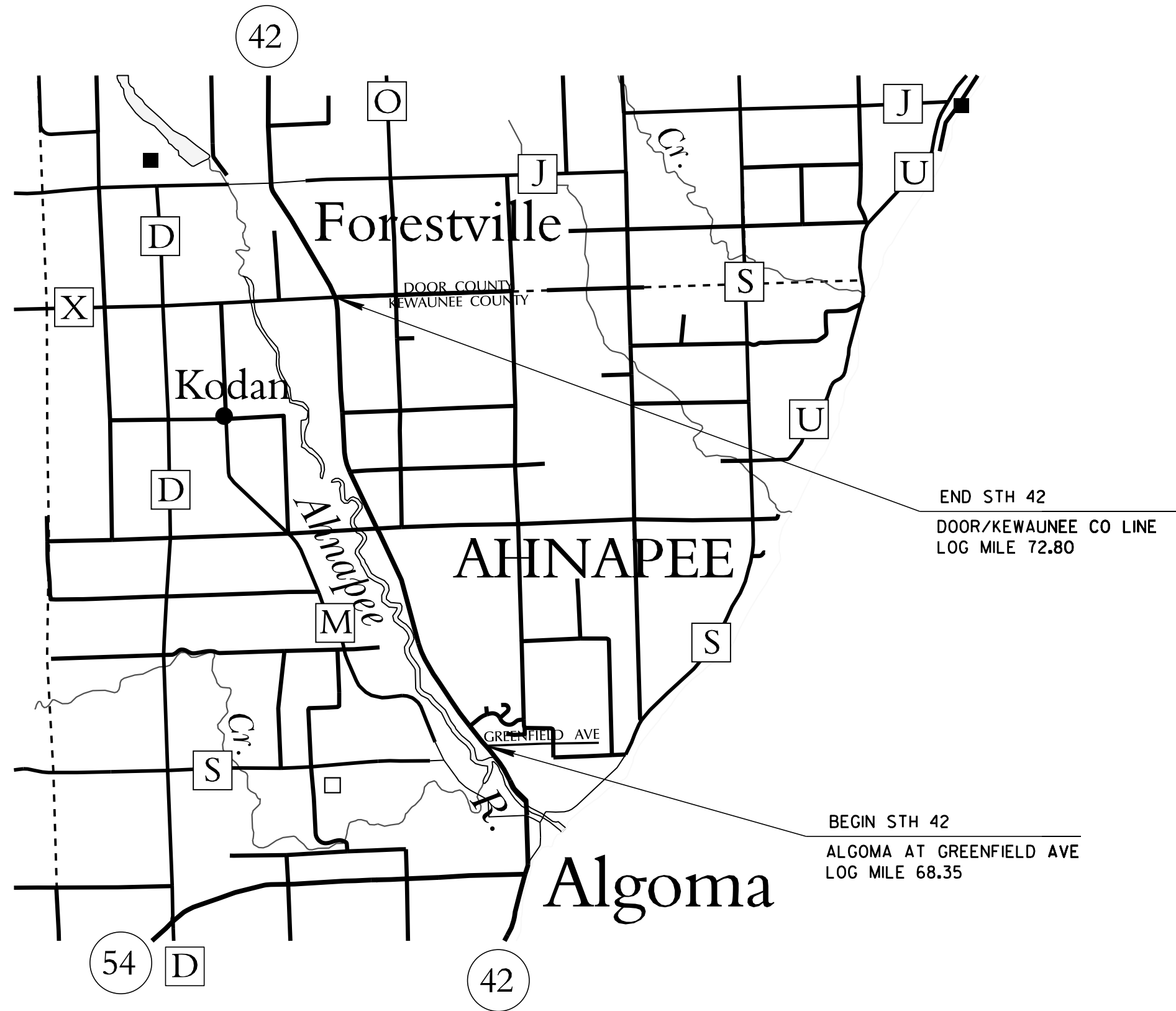
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N JCT STH 42/STH 57 SISTER BAY
LOG MILE 119.18

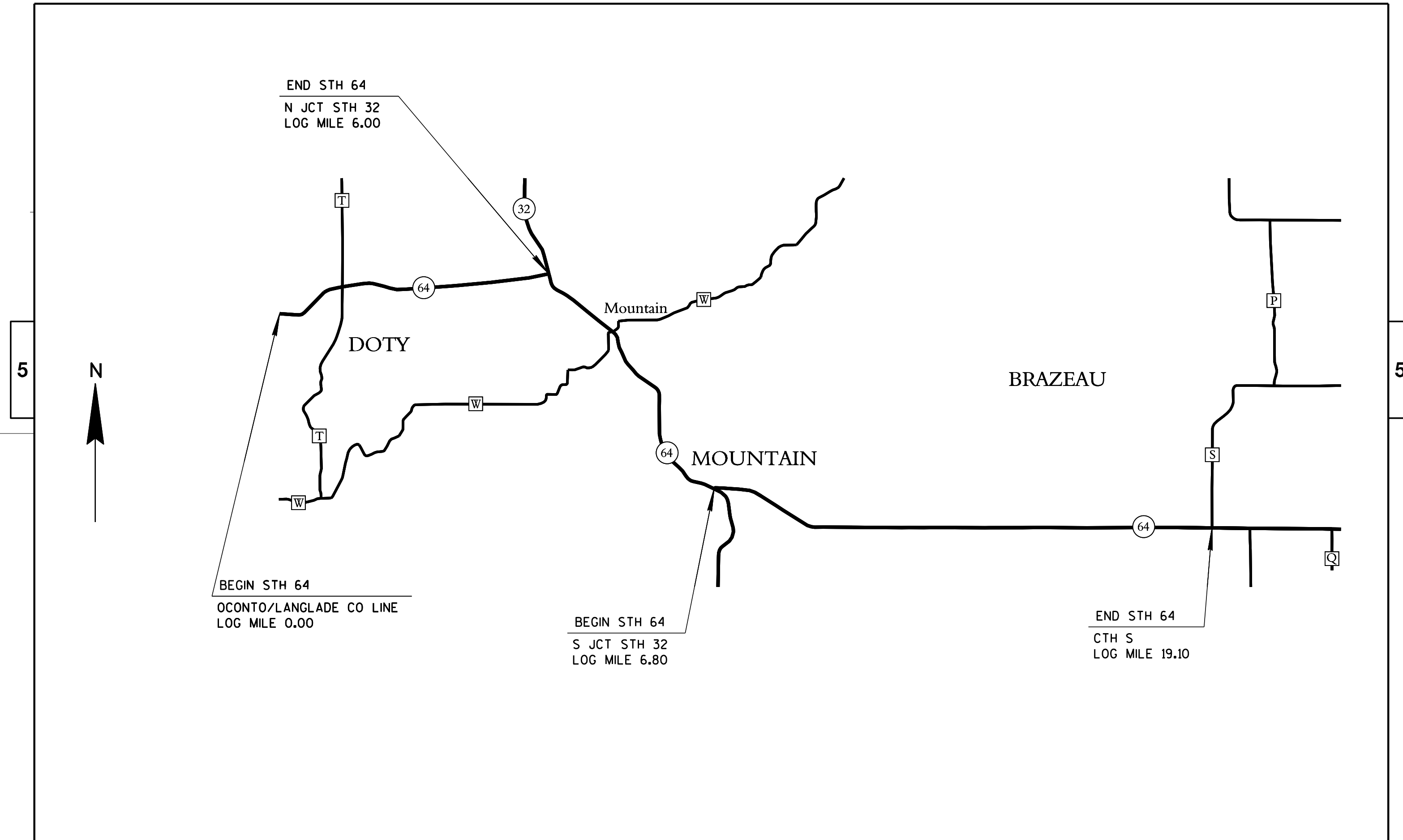


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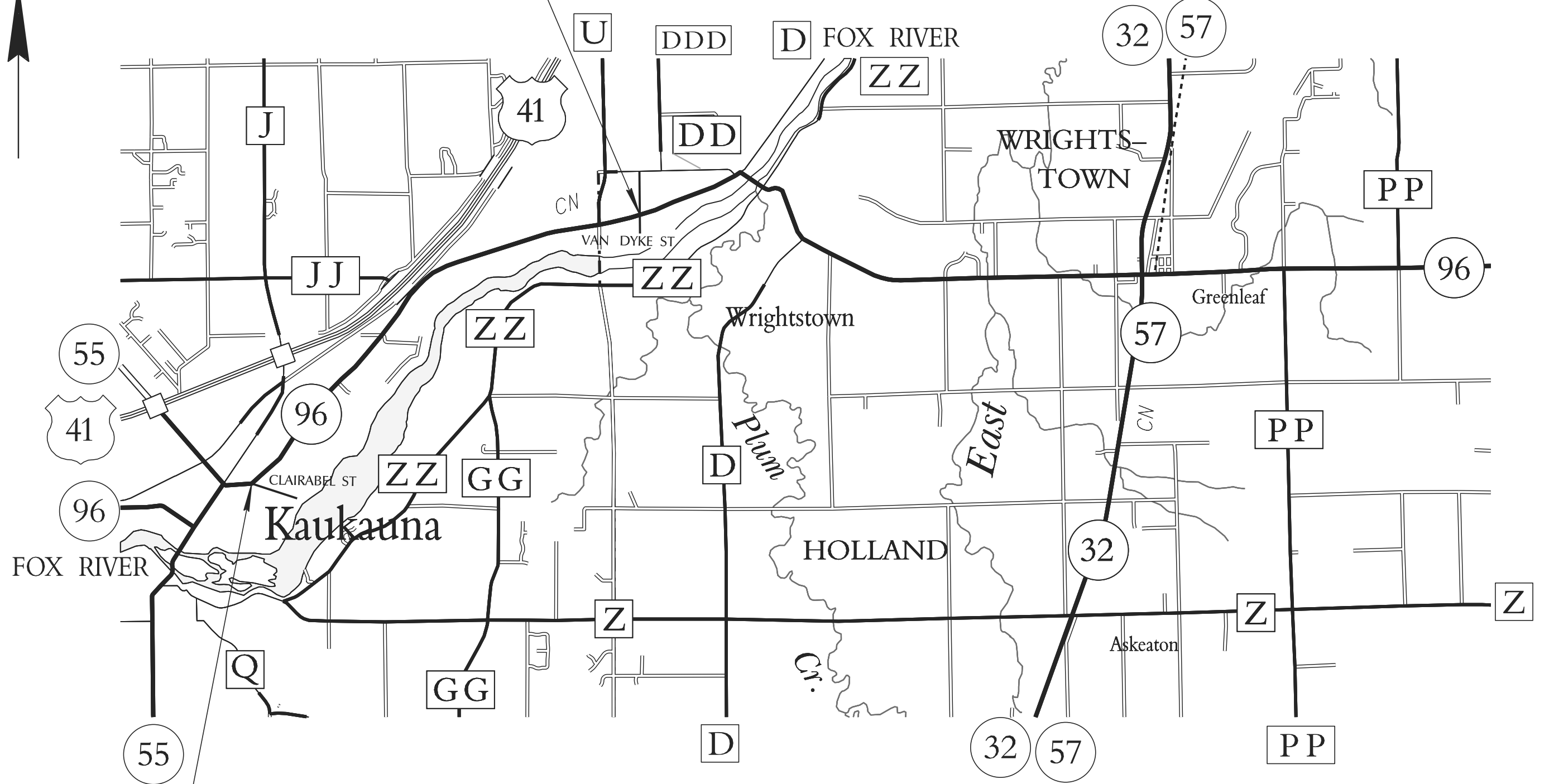
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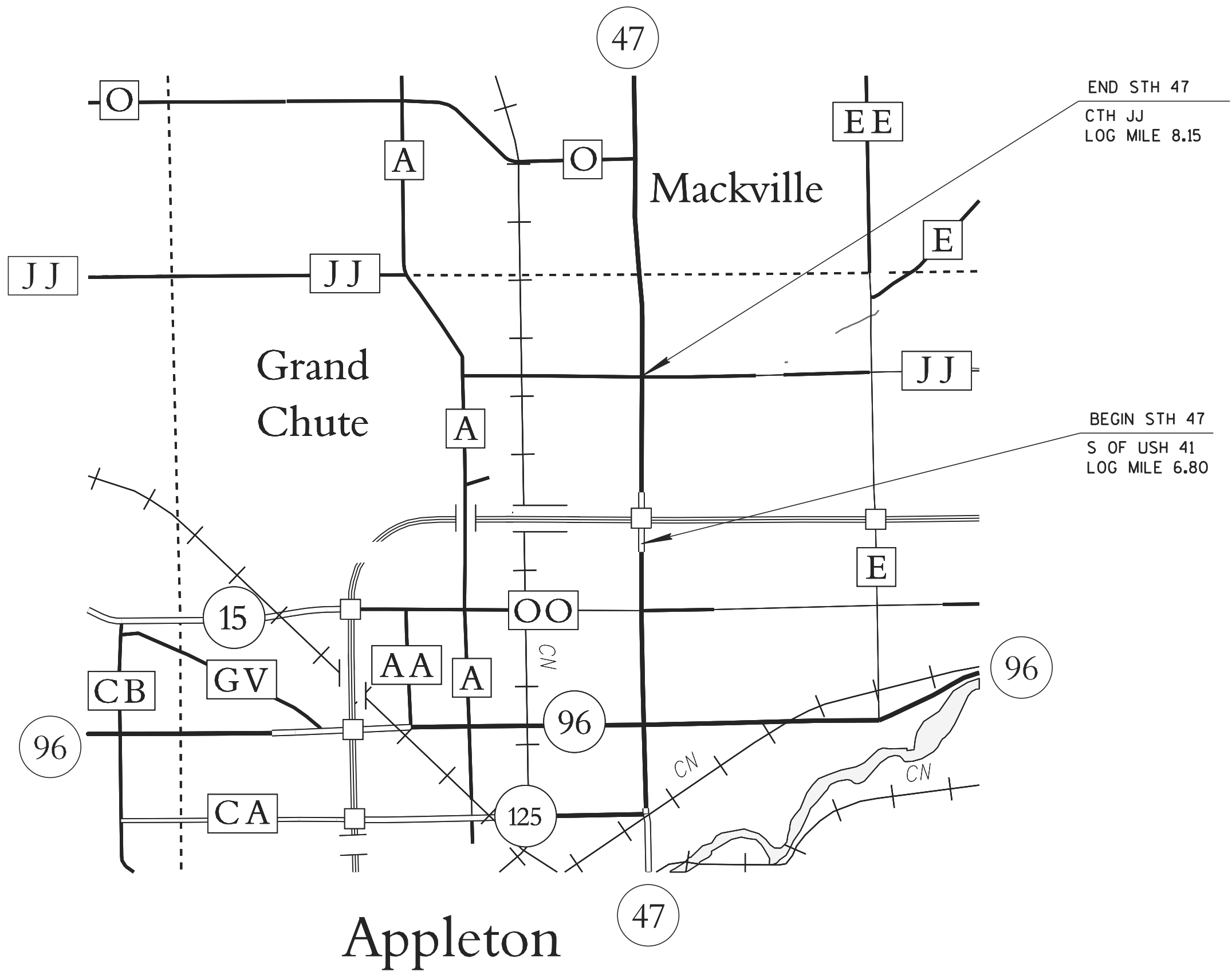


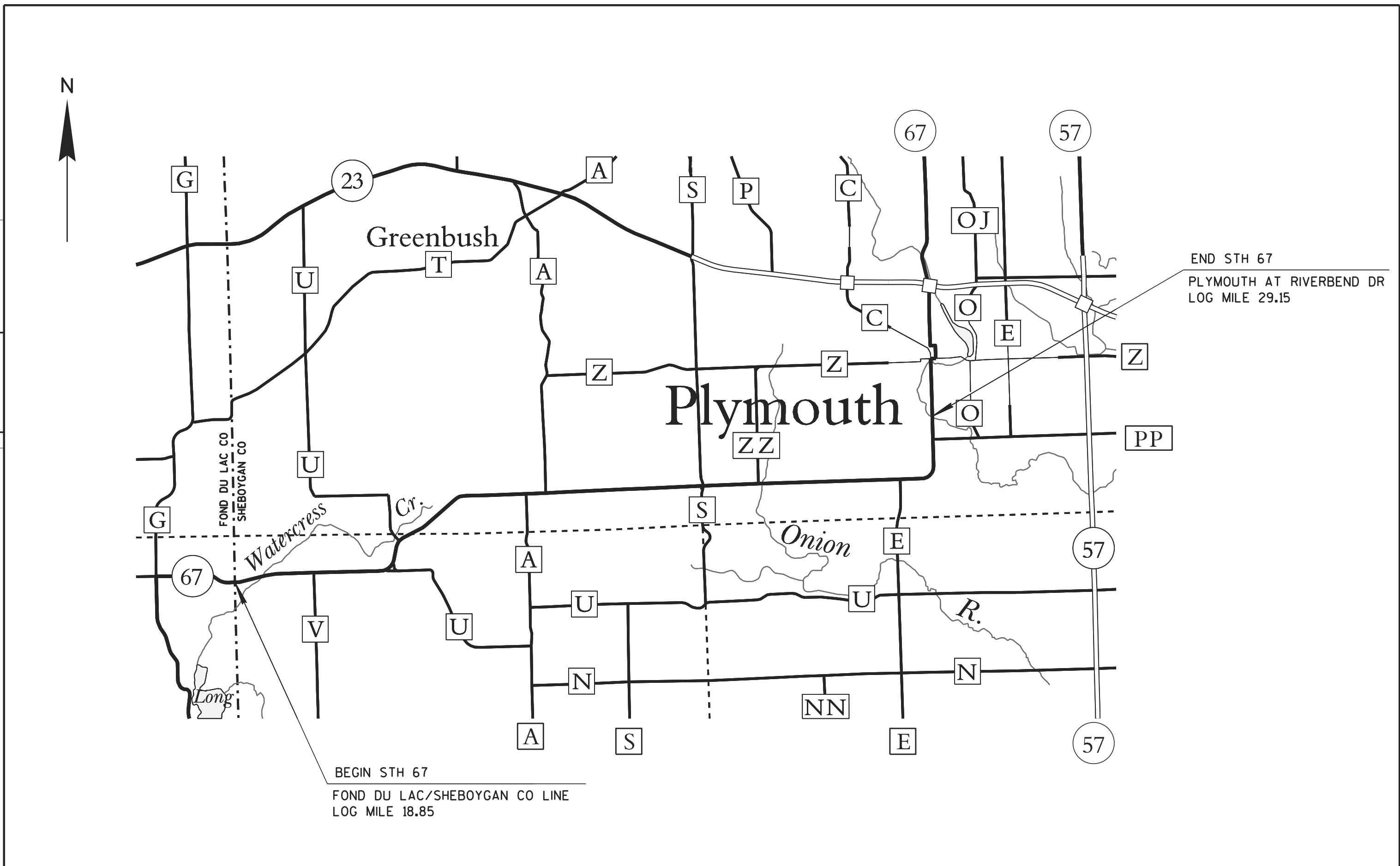


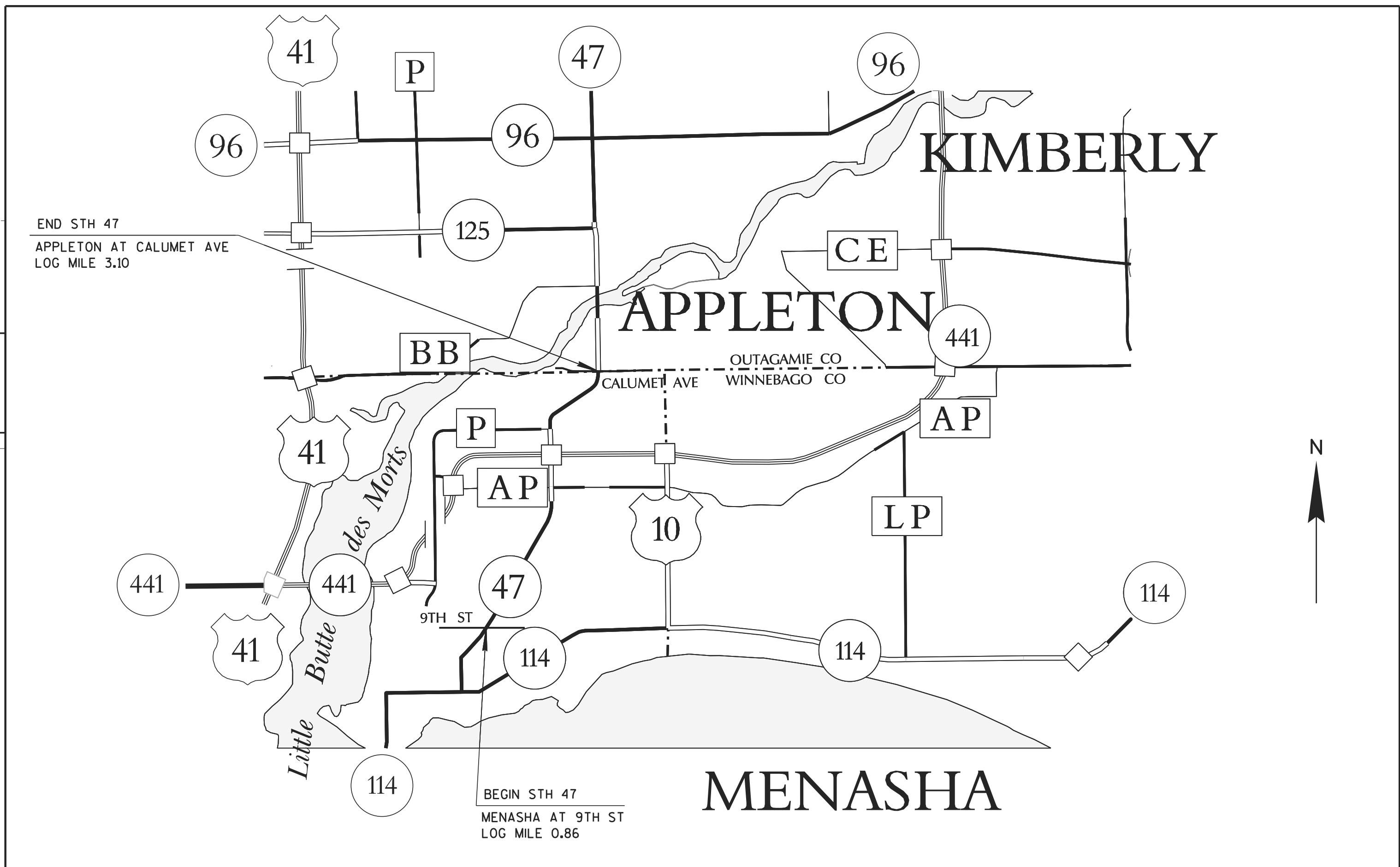
END STH 96
WRIGHTSTOWN AT VAN DYKE ST
LOG MILE 28.60

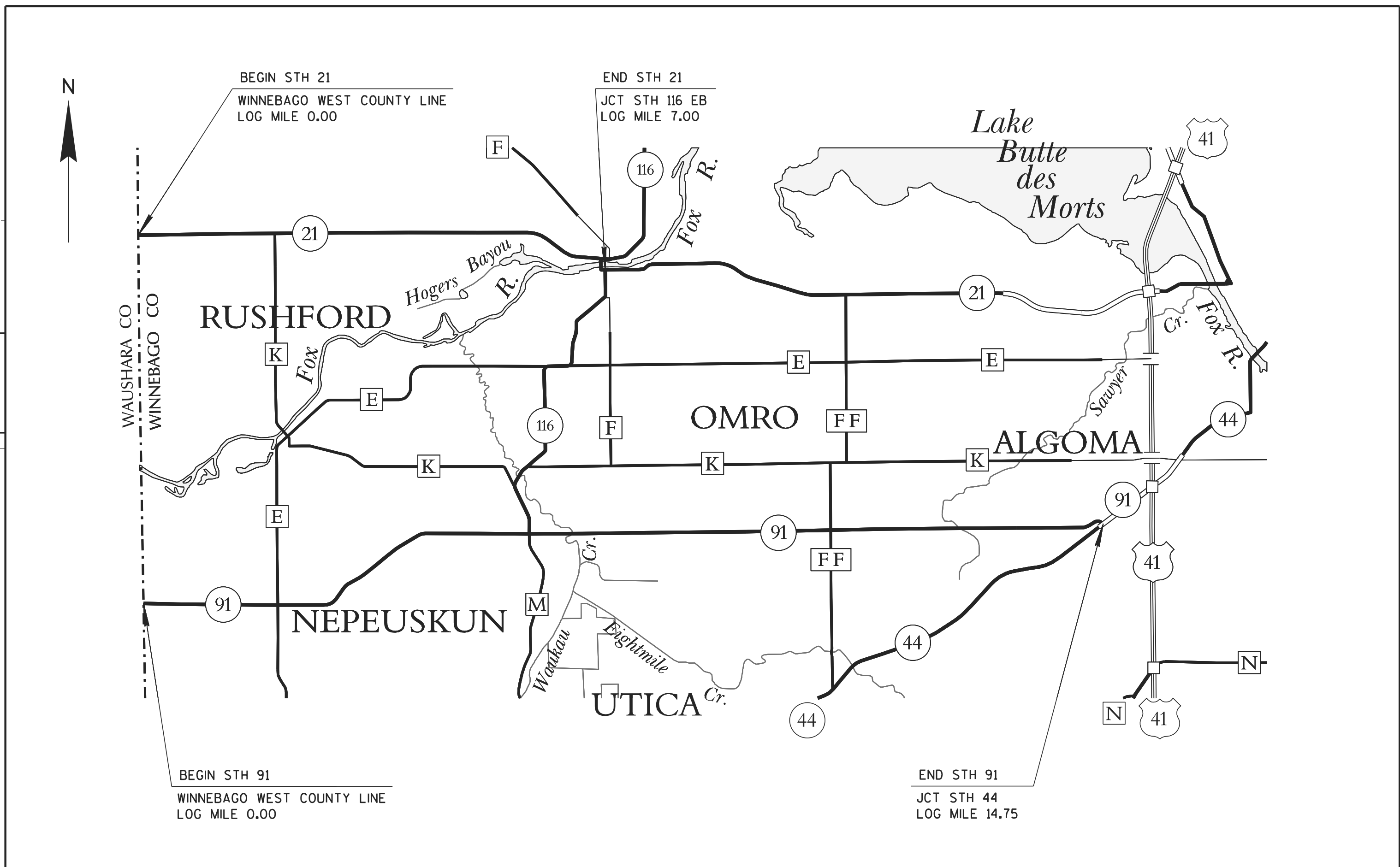


BEGIN STH 96
KAUKAUNA AT CLAIRABEL ST
LOG MILE 24.33









PROJECT NO:1009-33-14	HWY: STH 21/STH 91	COUNTY: WINNEBAGO	LOCATION MAP	SHEET	E
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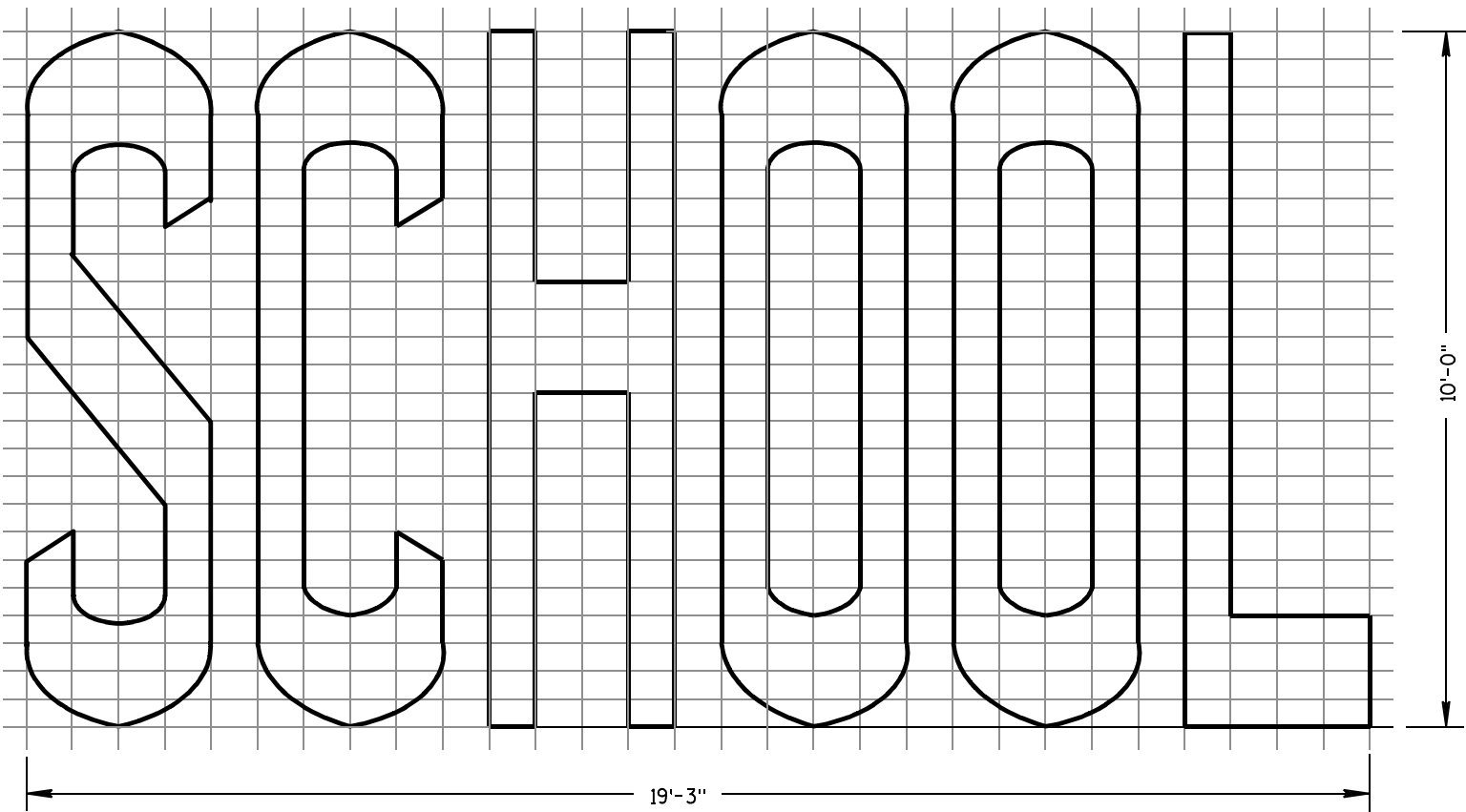
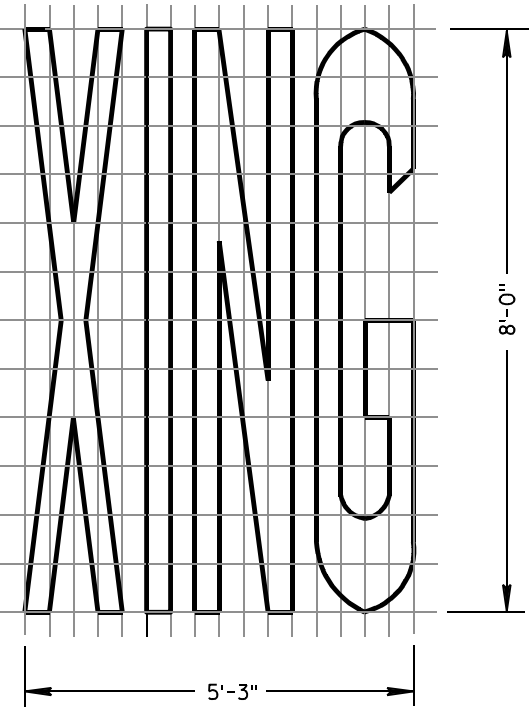
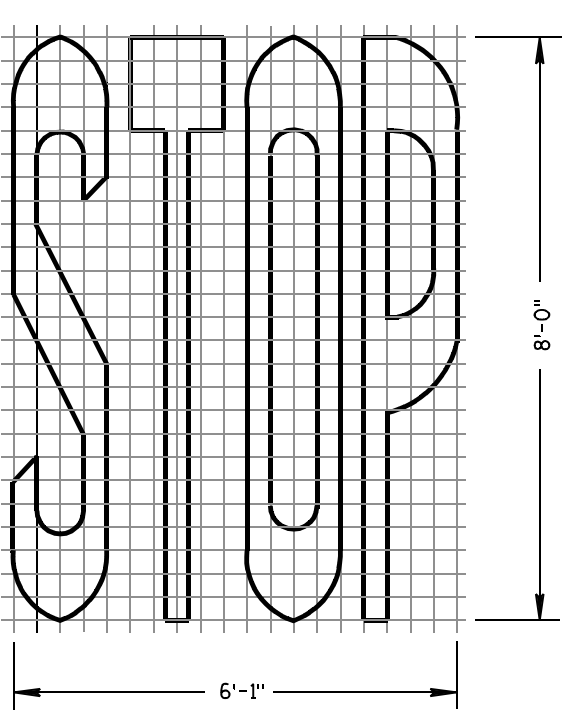
Standard Detail Drawing List

15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C14-01	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C18-03	MEDIAN ISLAND MARKING
15C19-02A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-03	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.

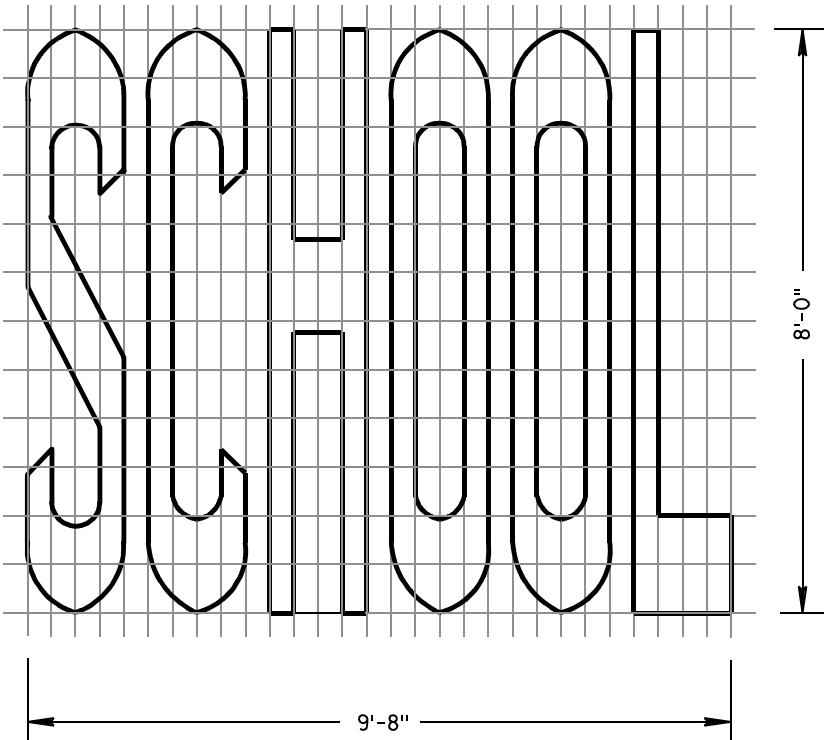
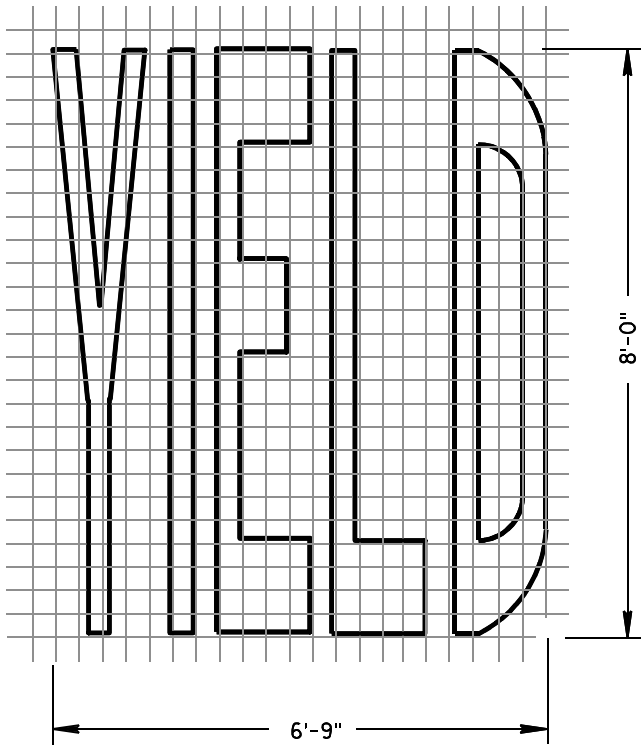
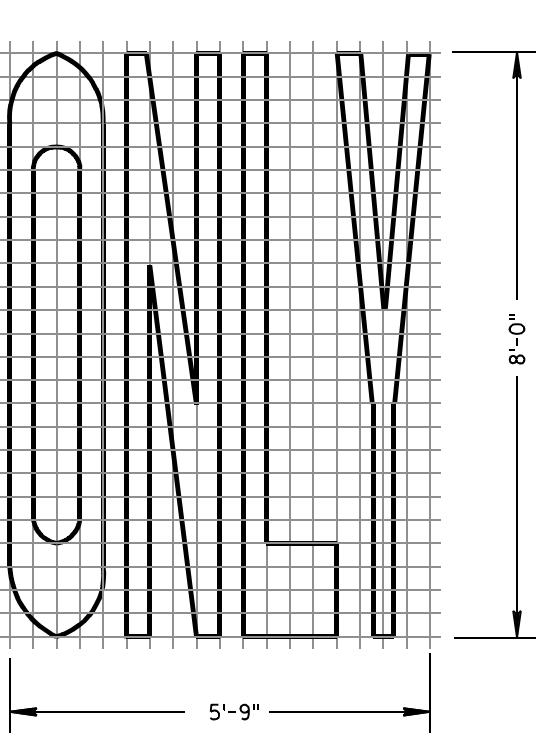
GENERAL NOTES

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.

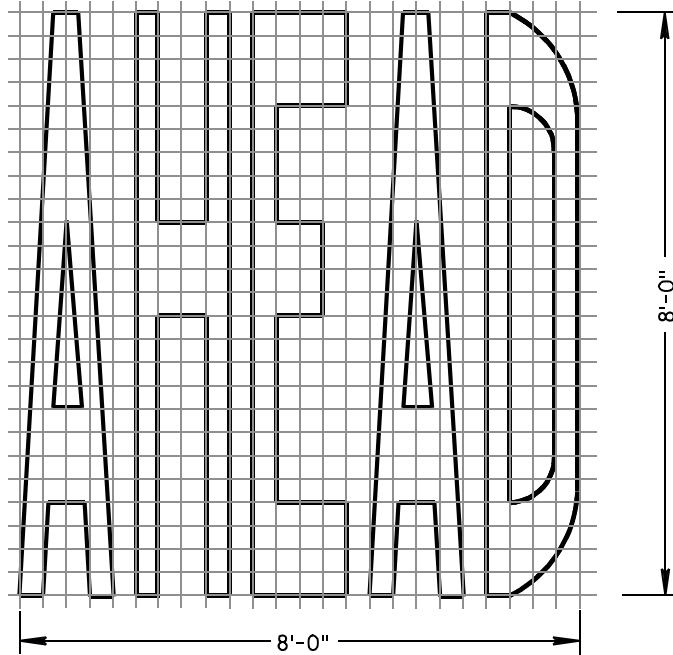
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



TWO-LANE



SINGLE-LANE



PAVEMENT MARKING WORDS

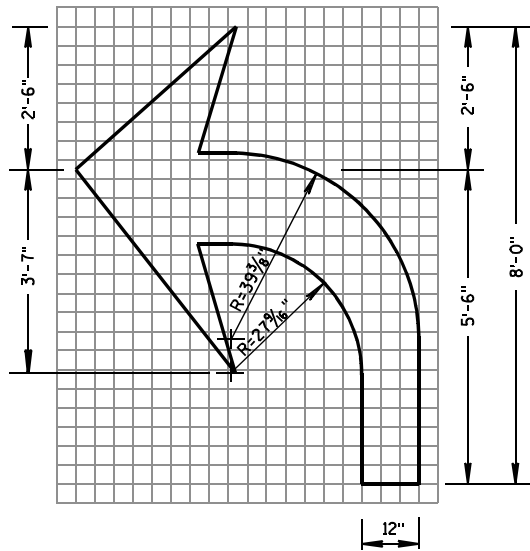
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

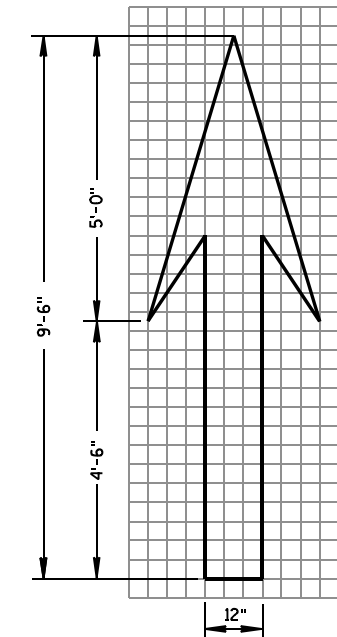
7-1-11
DATE

/S/ Thomas N. Notbohm
STATE TRAFFIC ENGINEER OF DESIGN

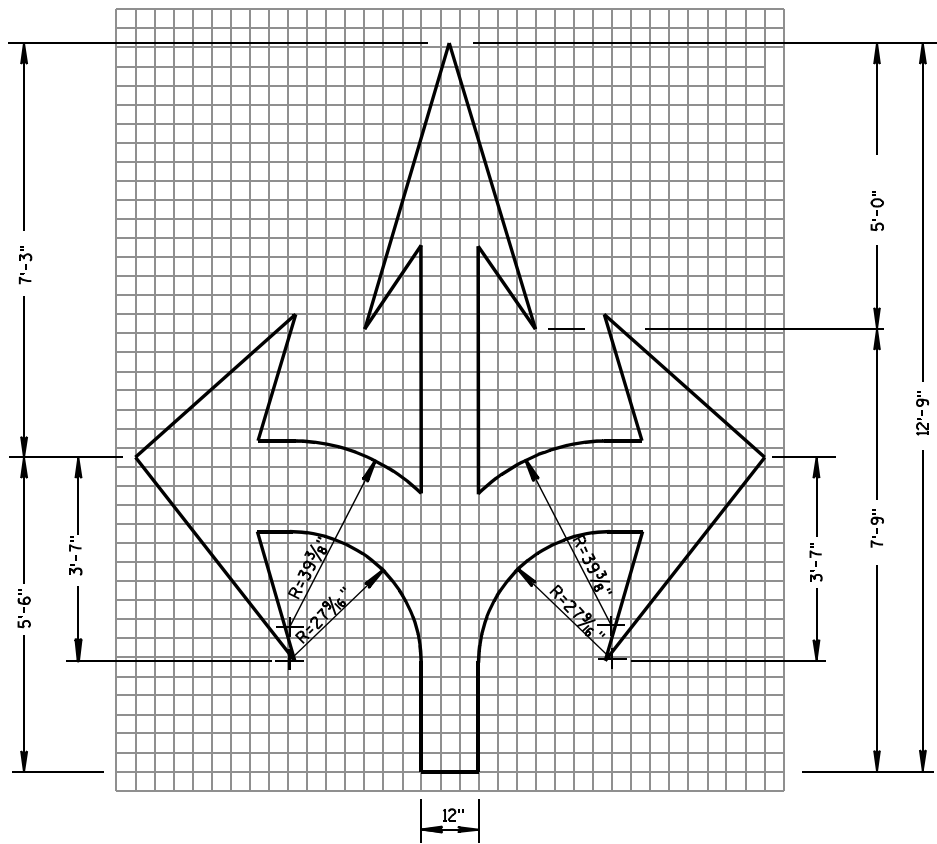
FHWA



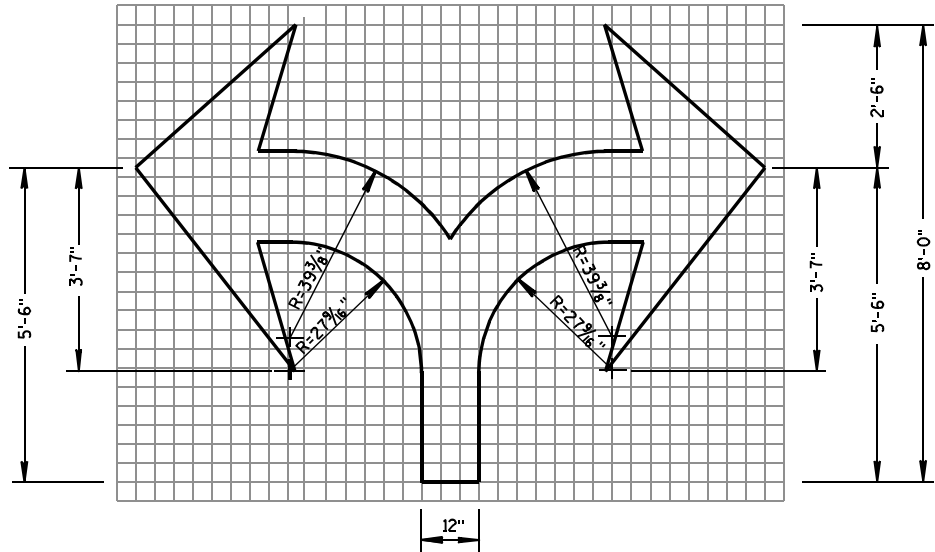
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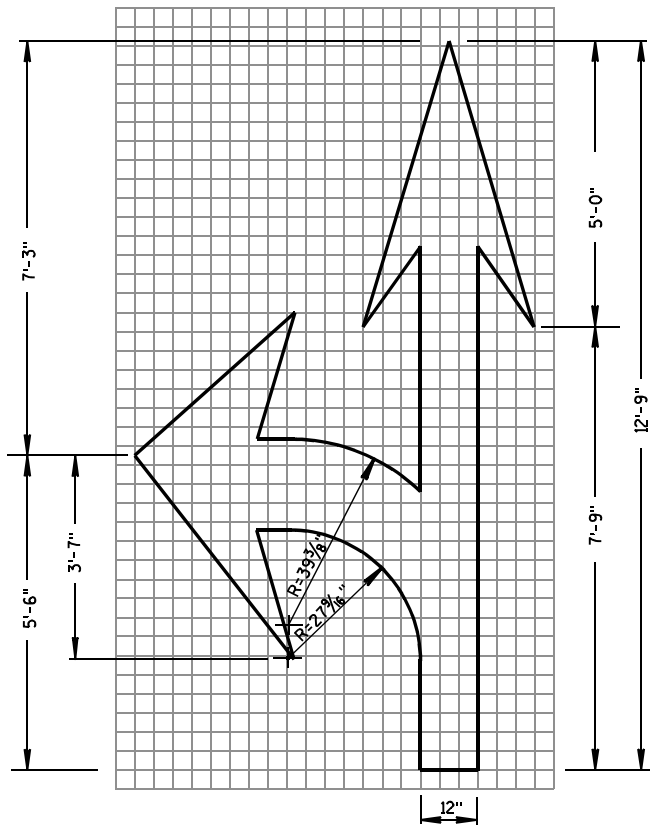
TYPE 1



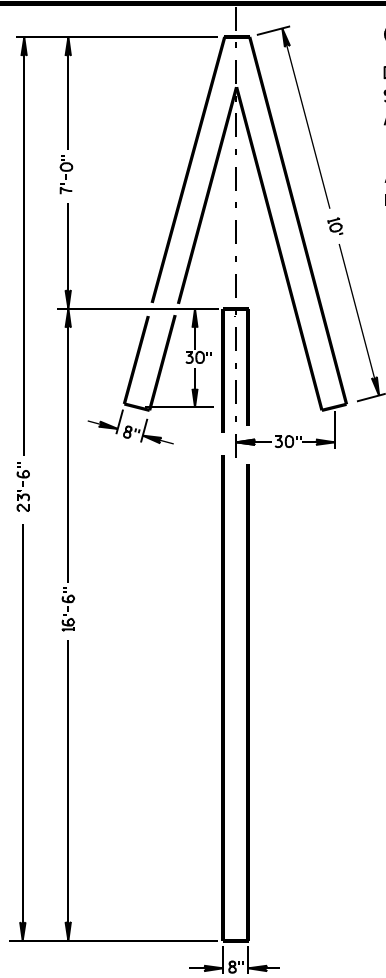
TYPE 6



TYPE 7



TYPE 3

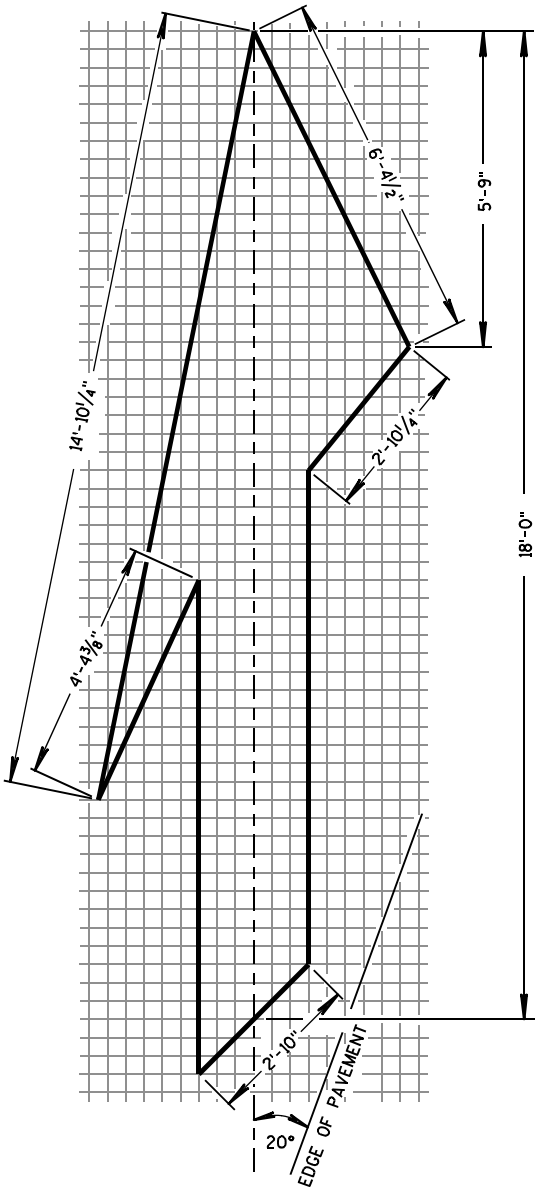


TYPE 4

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.

ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



TYPE 5 LANE DROP ARROW

PAVEMENT MARKING ARROWS

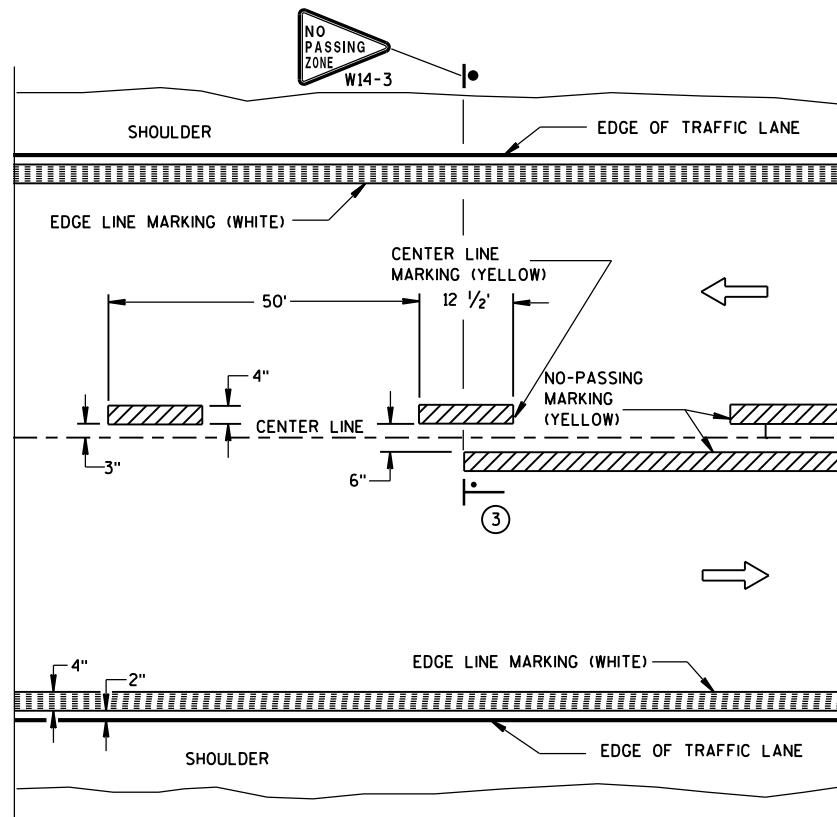
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

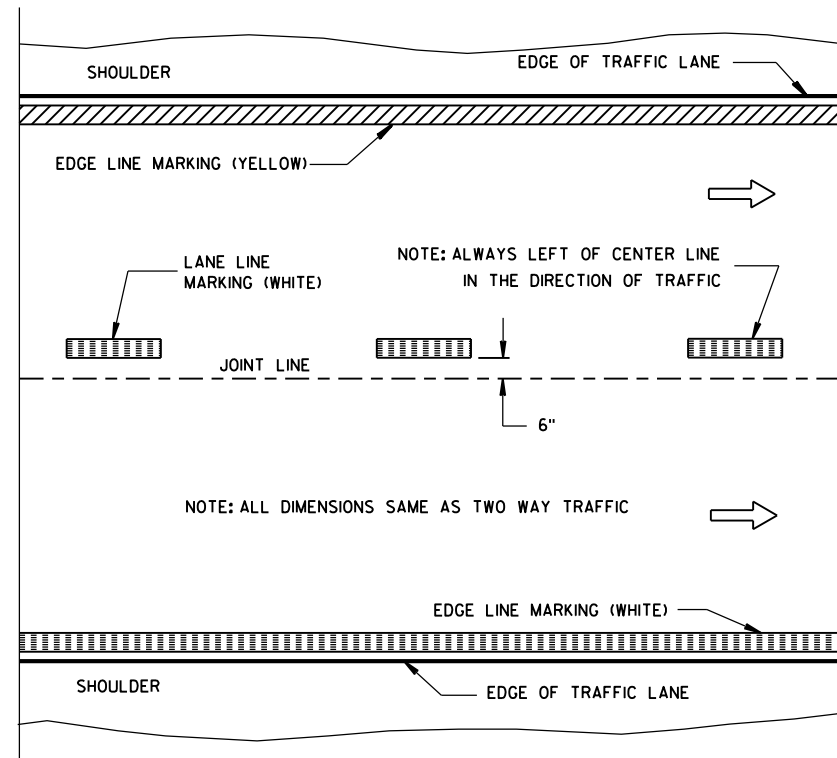
7/1/11
DATE

/S/ Thomas N. Notbohm
STATE TRAFFIC ENGINEER OF DESIGN

FHWA

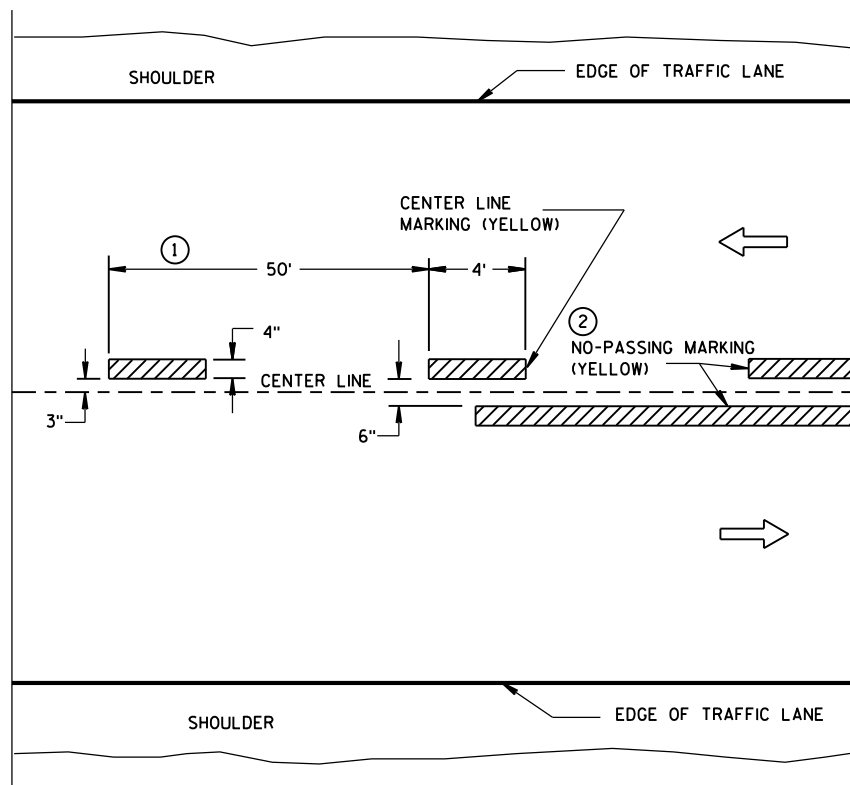


TWO WAY TRAFFIC

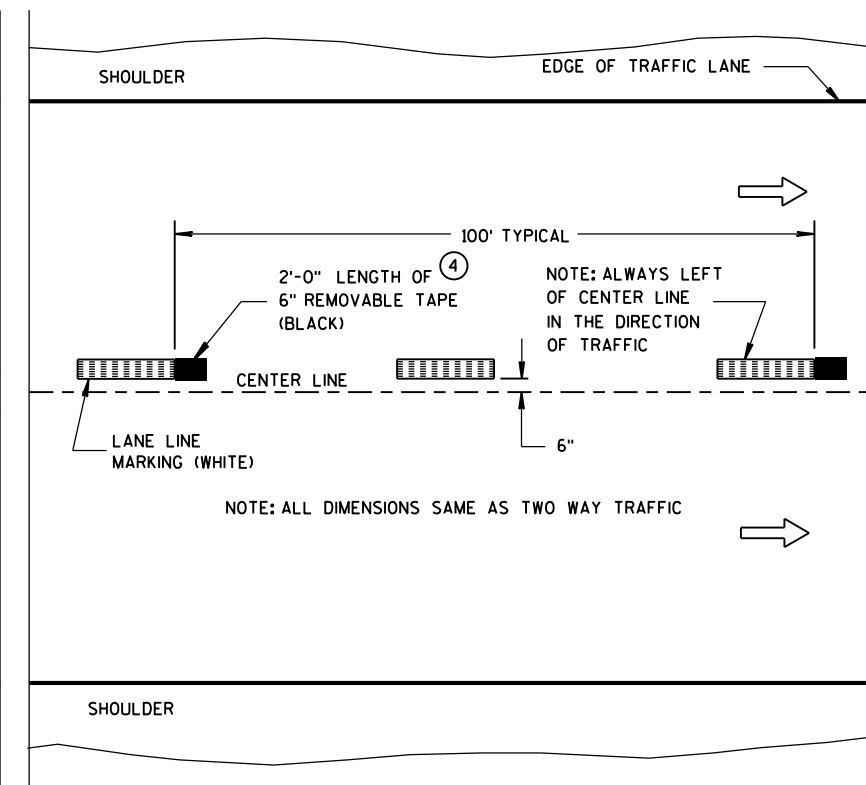


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

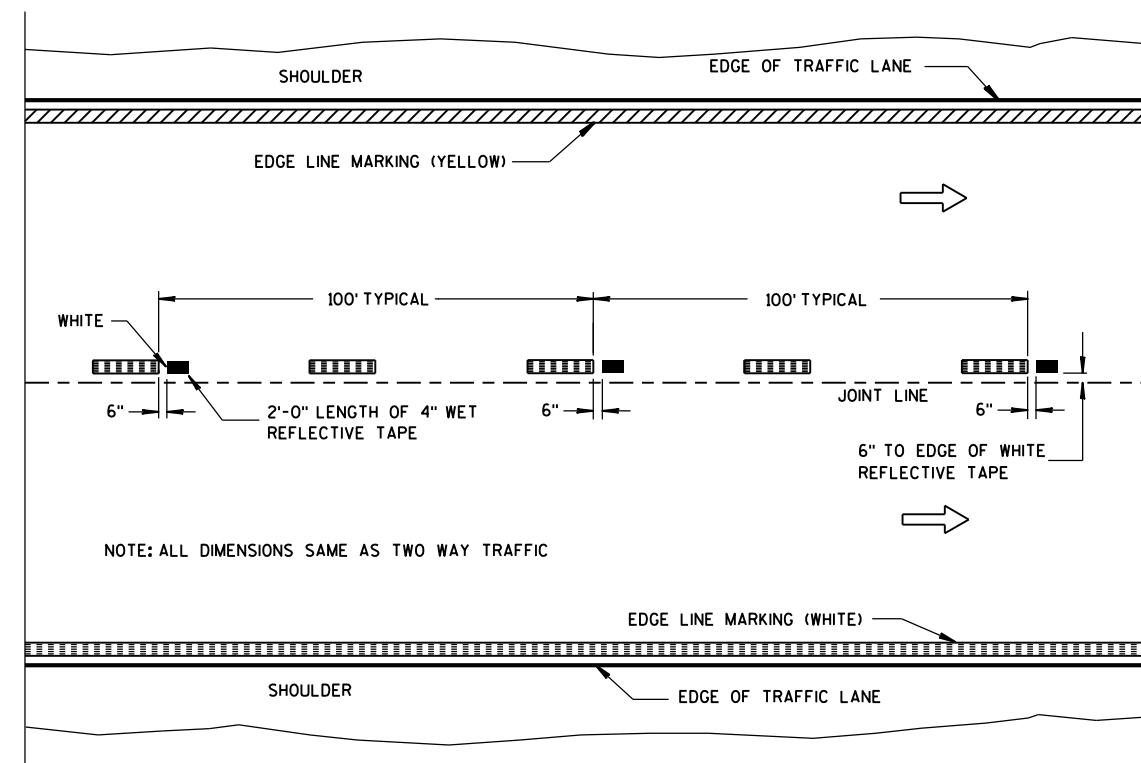
GENERAL NOTES

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

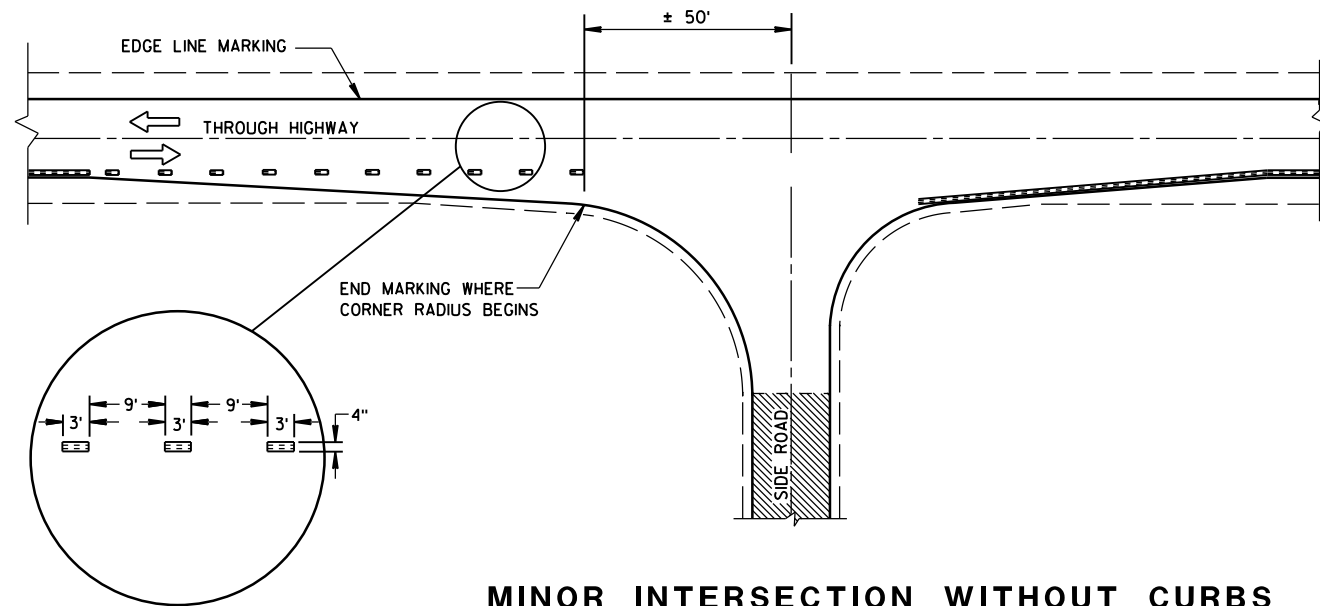
- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-2013
DATE
FHWA

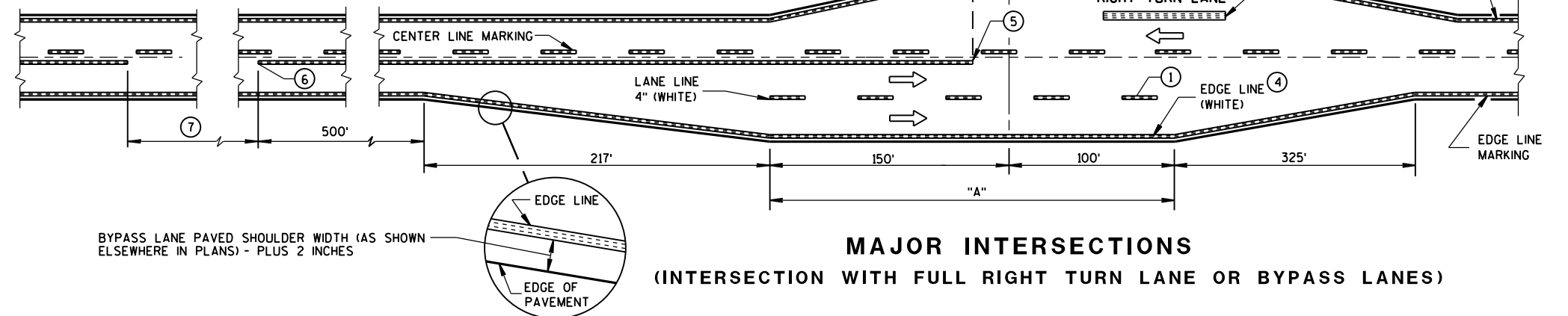
/S/ Travis Feltes
STATE TRAFFIC ENGINEER



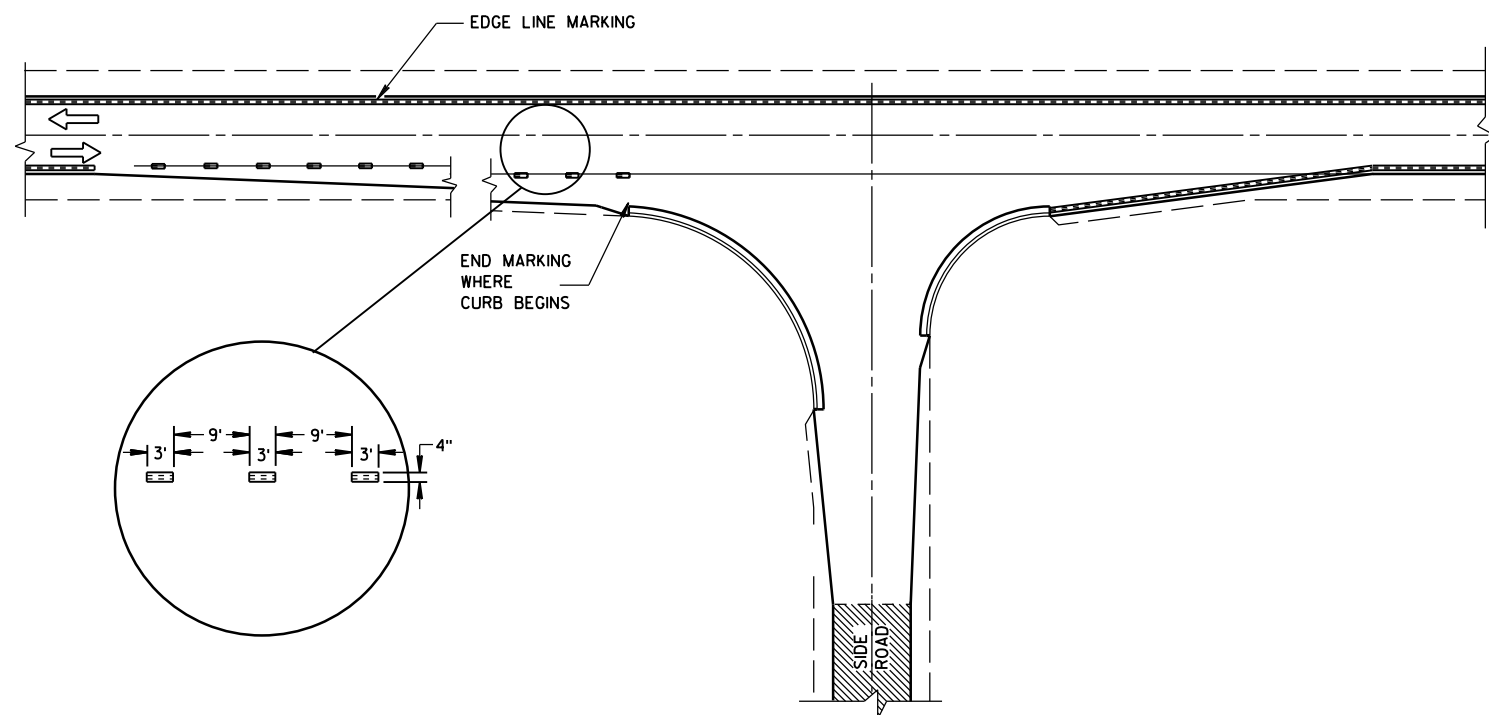
MINOR INTERSECTION WITHOUT CURBS

⑦

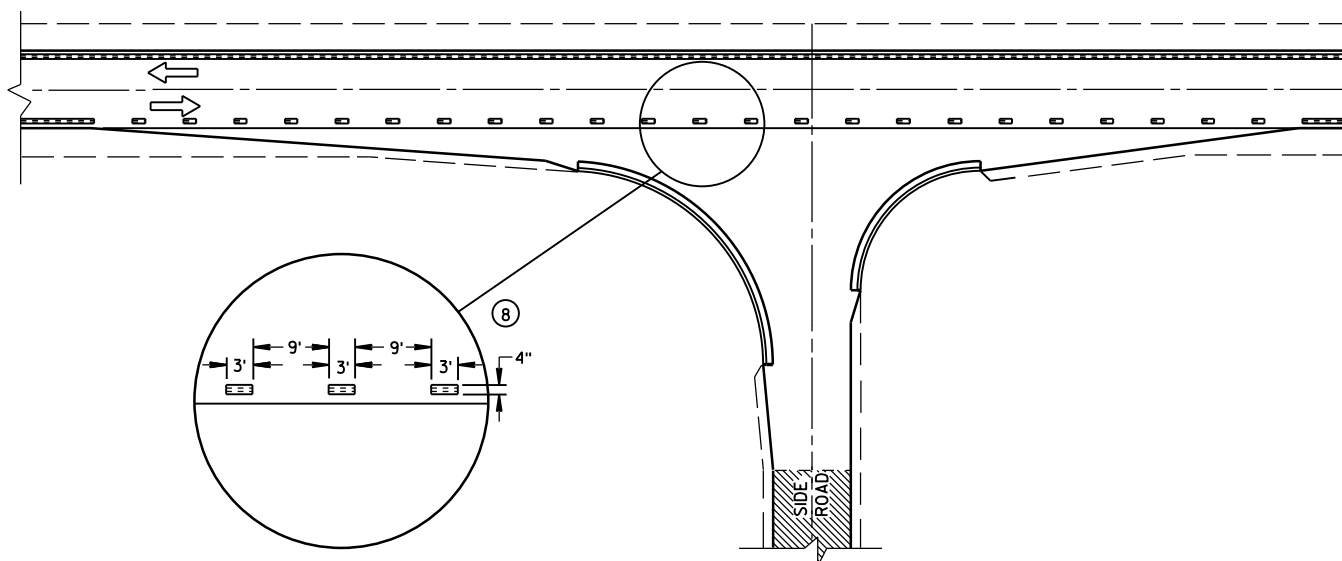
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



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



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



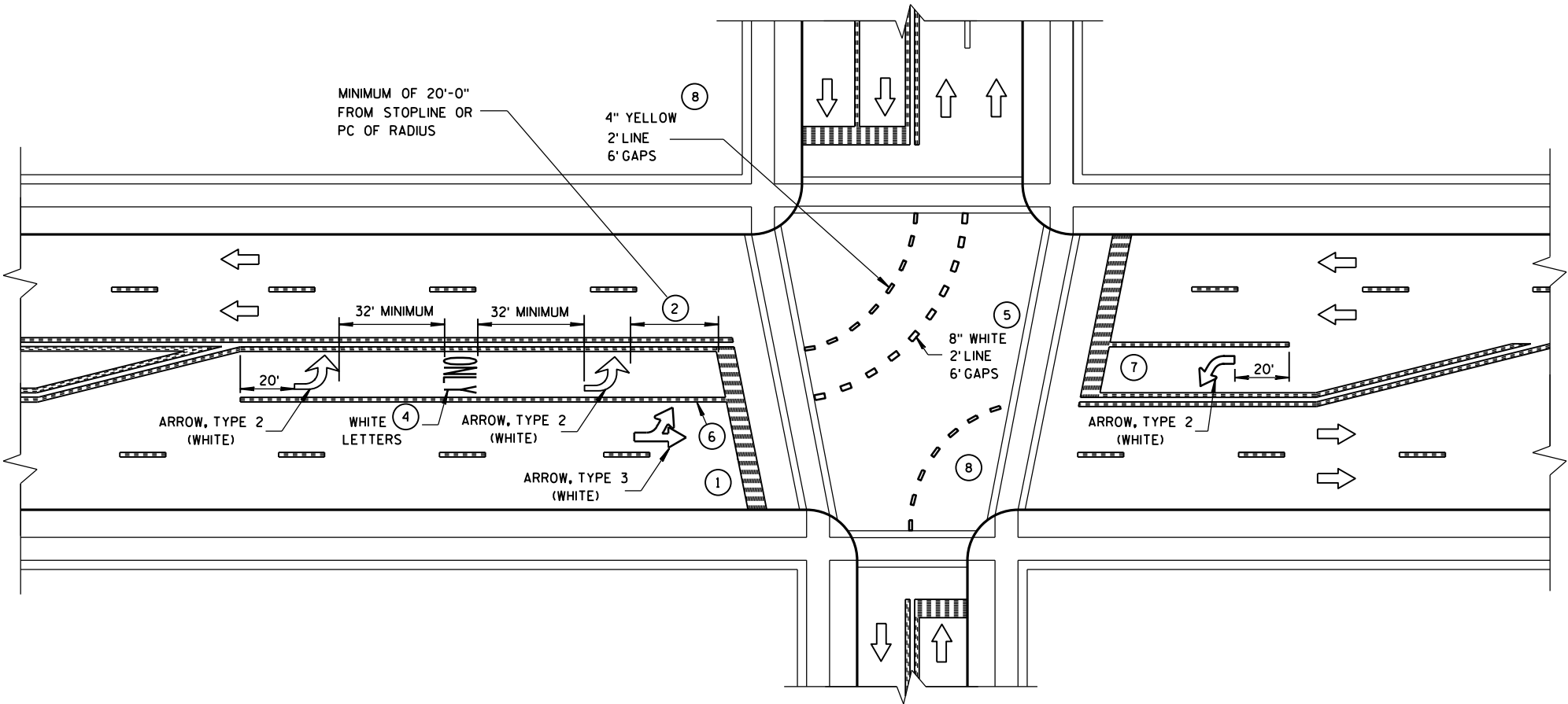
MINOR INTERSECTION WITH CURBS
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

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)

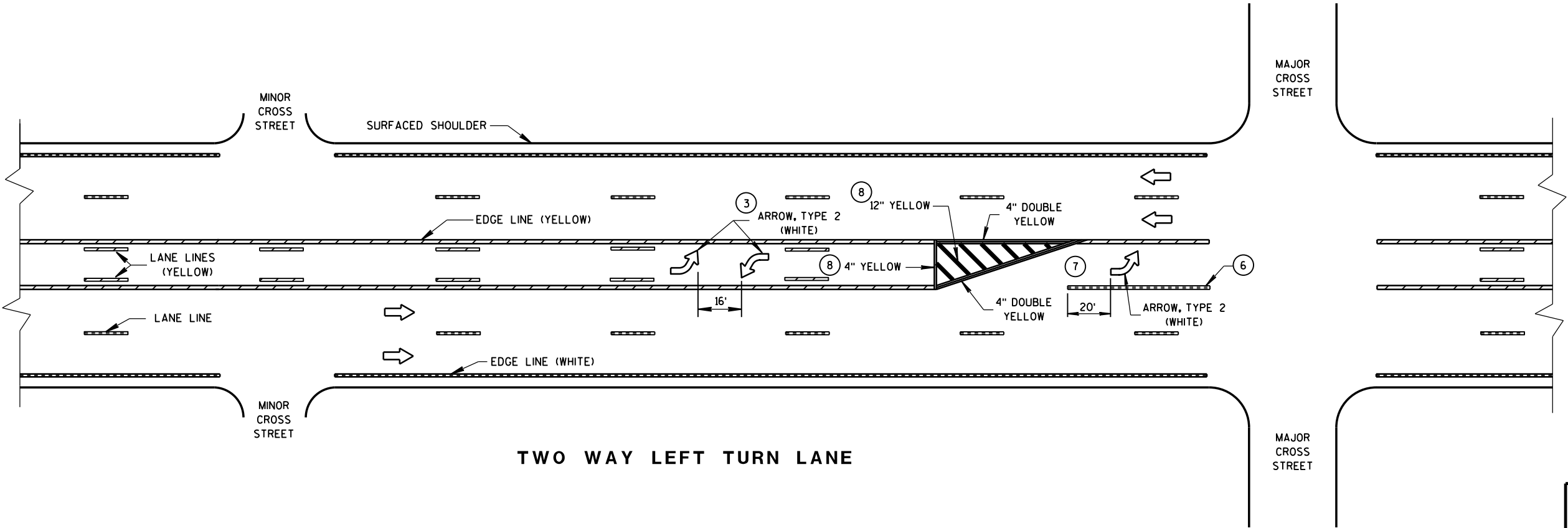
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

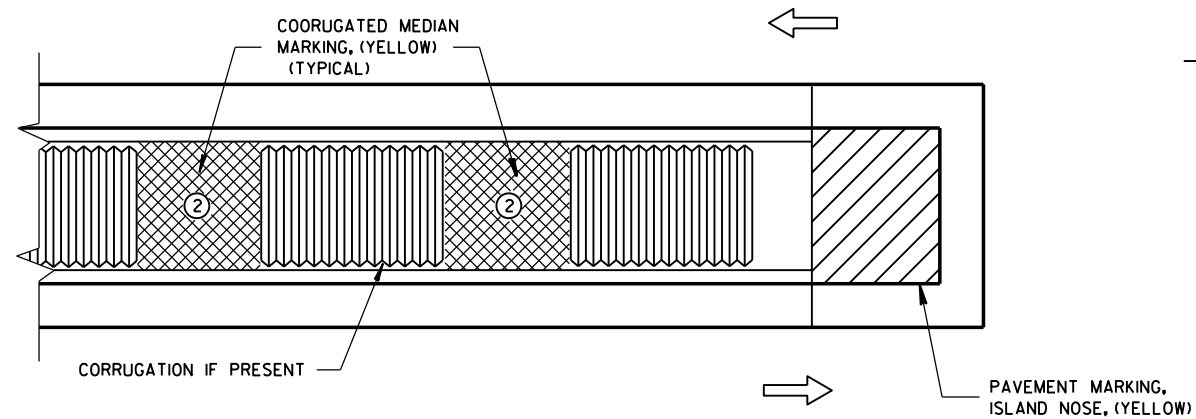
- 1 STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
- 2 DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
- 3 A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- 4 ADD EXTRA SETS OF ONE ARROW AND ONE 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

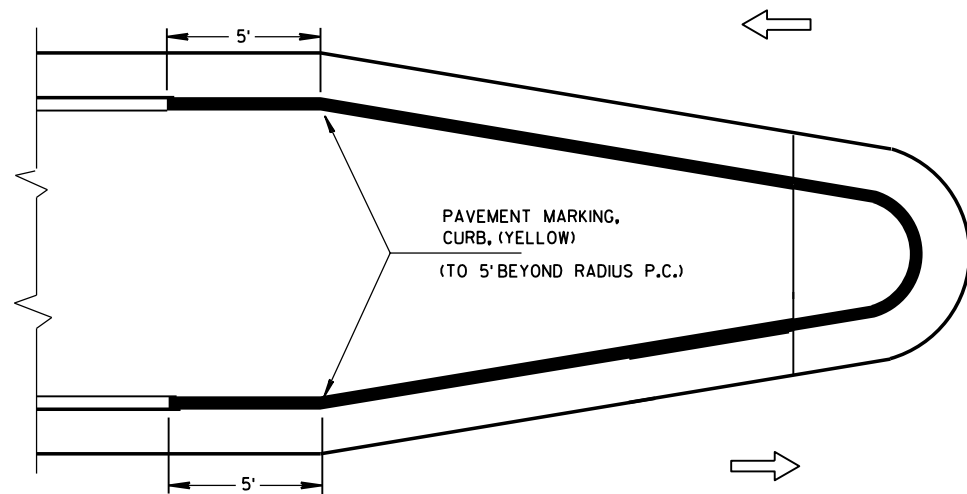


PAVEMENT MARKING
(LEFT TURN LANE)

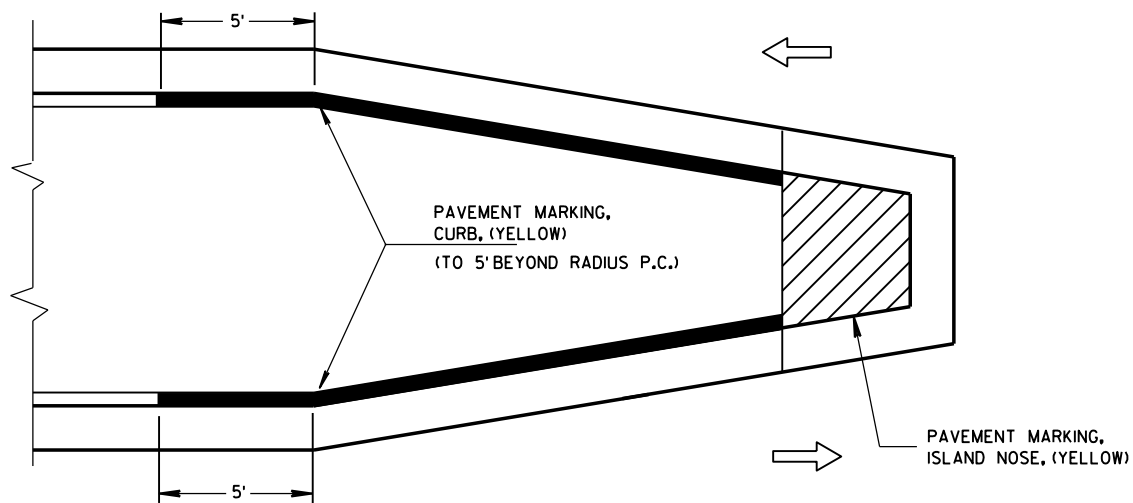
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

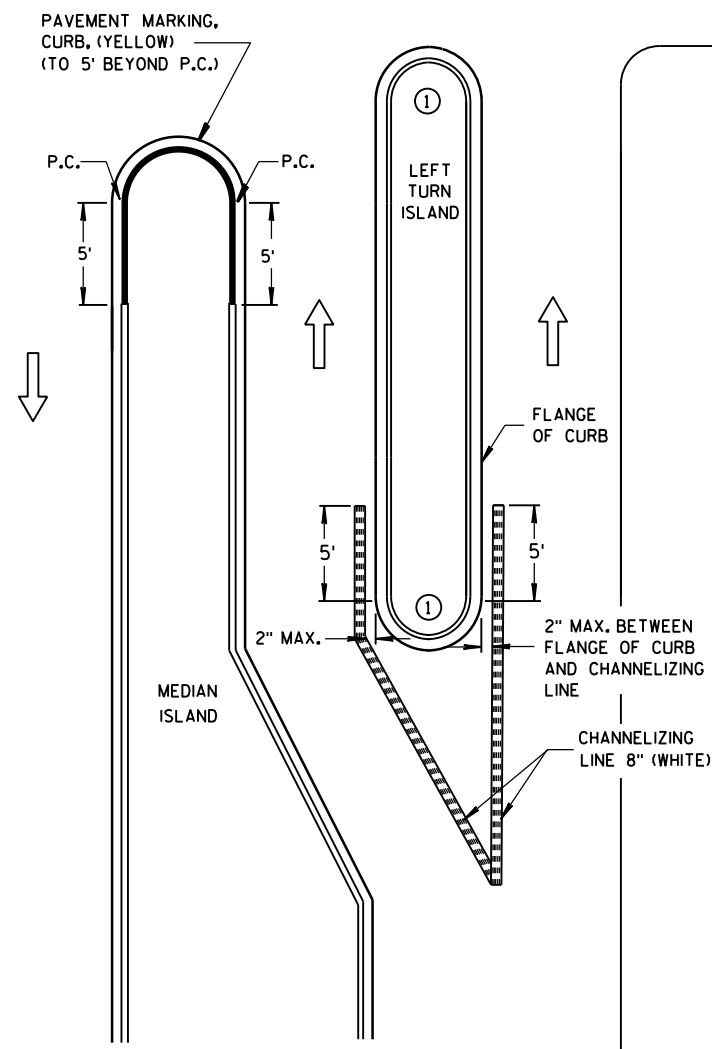


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

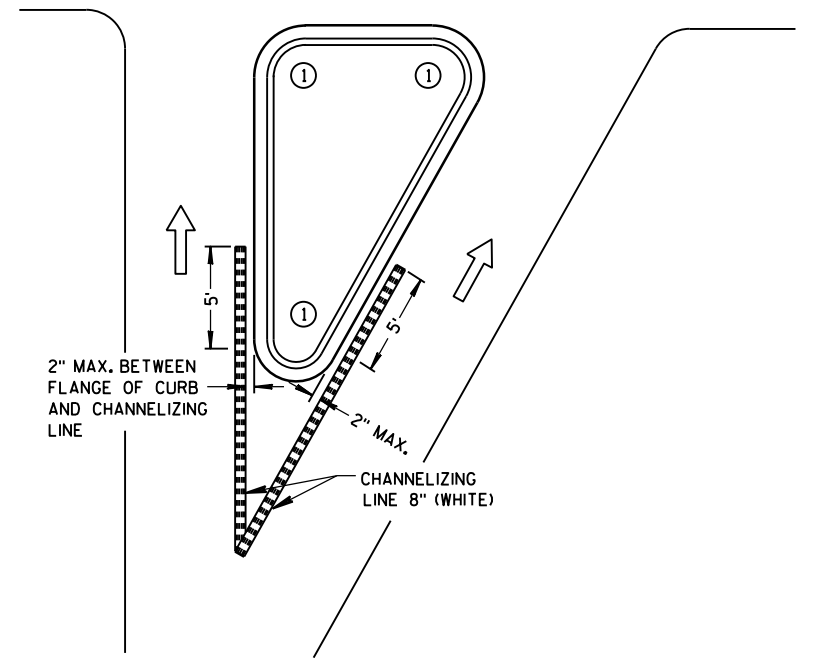
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



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 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

LEGEND

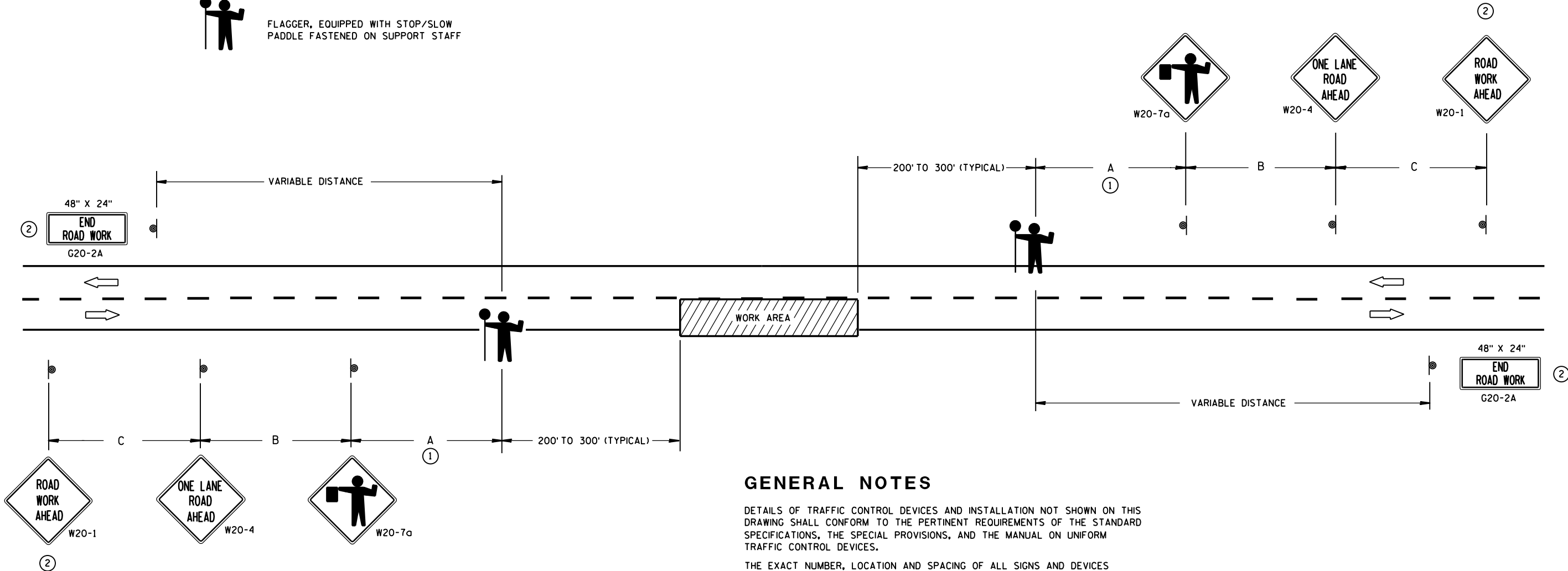
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

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.

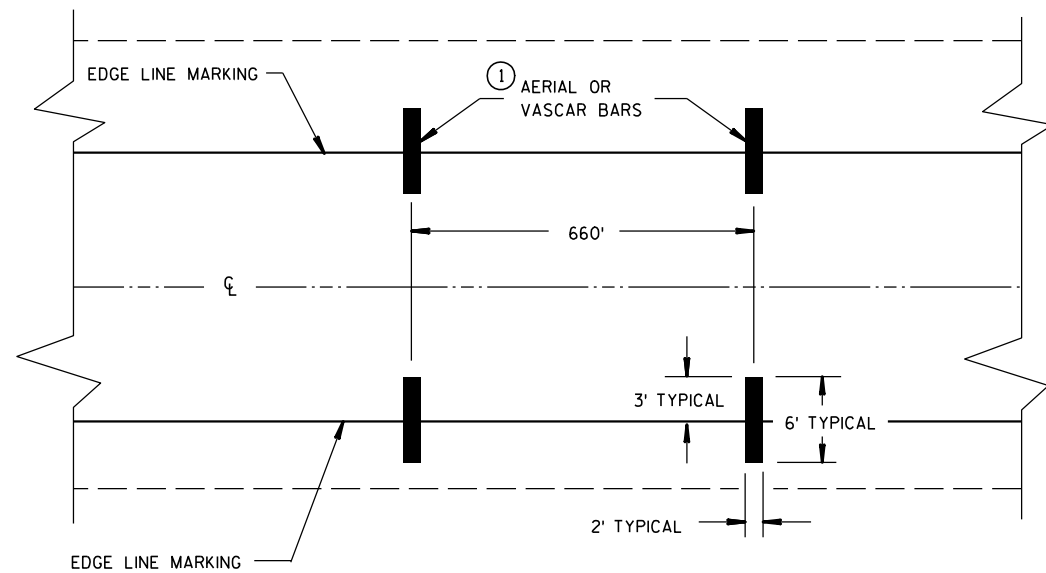
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

- 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.

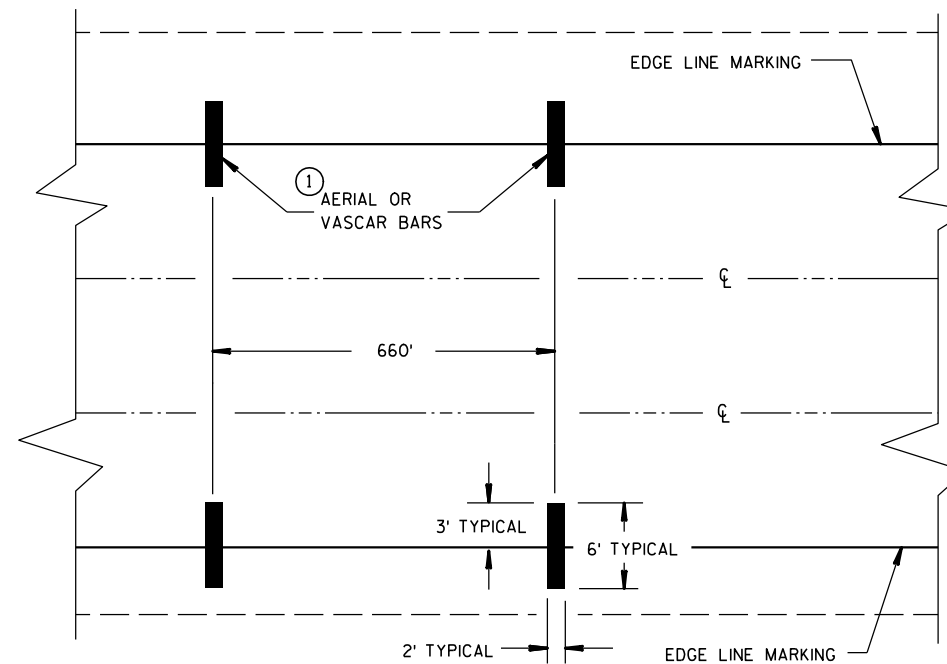
TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

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

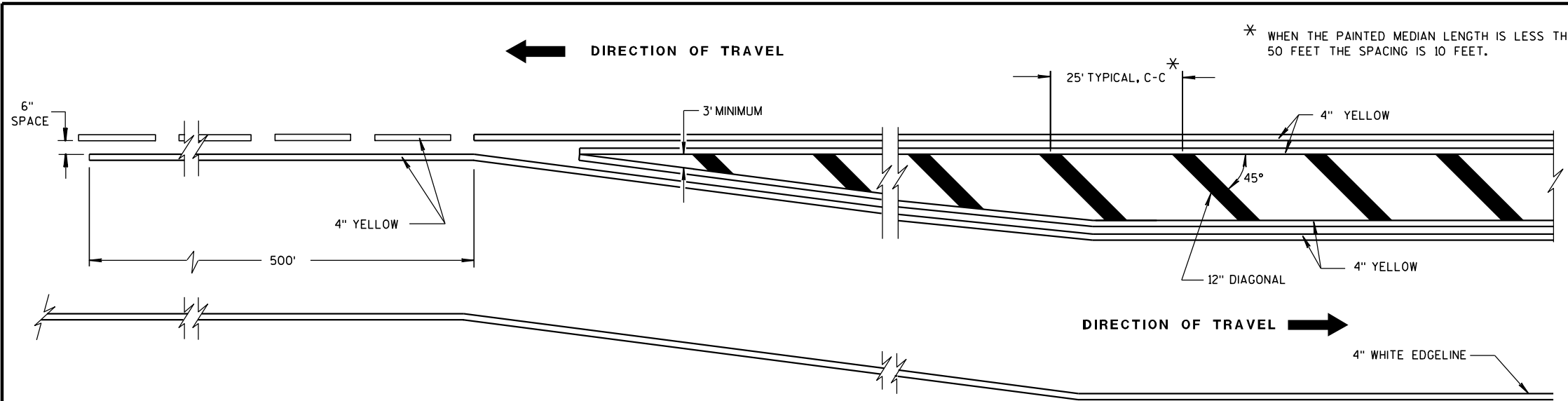
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/23/01
DATE

/S/ Chester J. Spang
CHIEF SIGNS AND MARKING ENGINEER

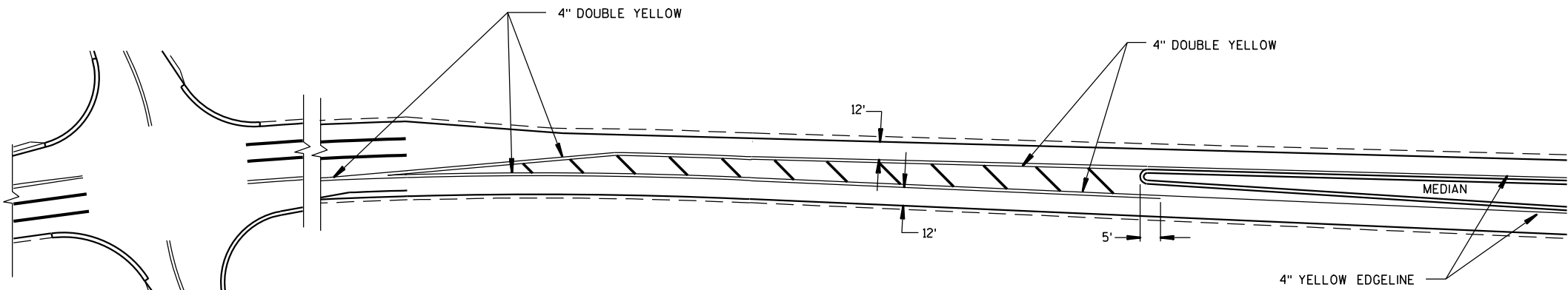
FHWA



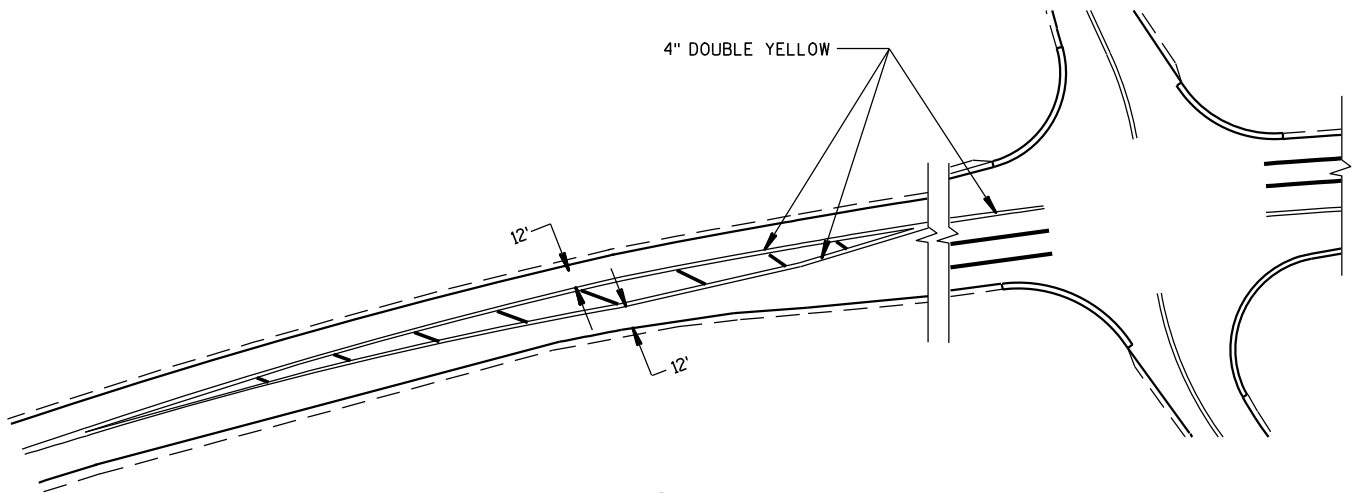
MEDIAN ISLAND DETAIL

GENERAL NOTE

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

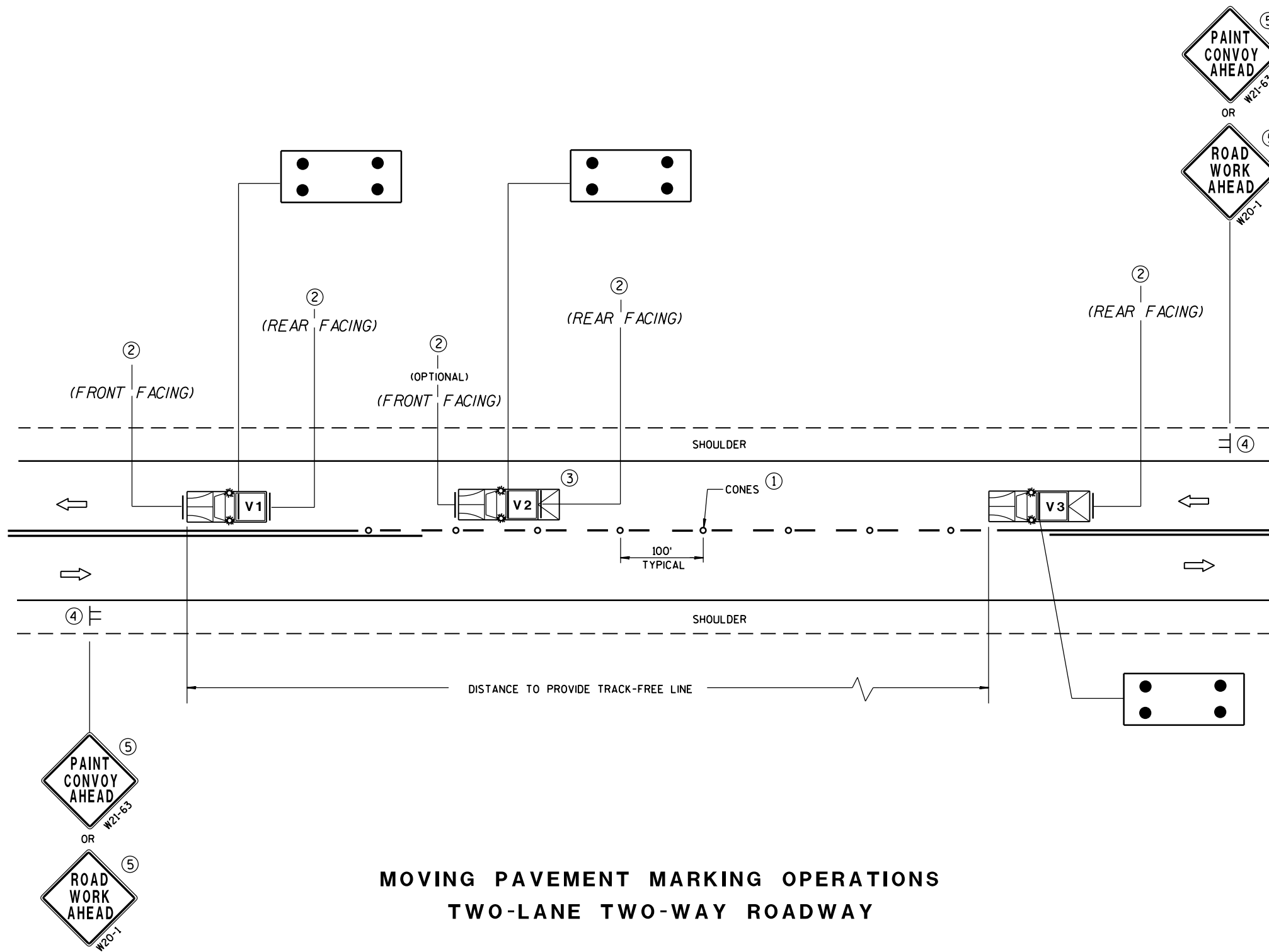


APPROACH MARKINGS FOR OTHER MEDIAN TYPES



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.

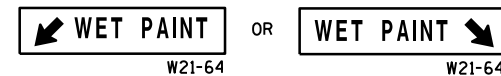
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

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

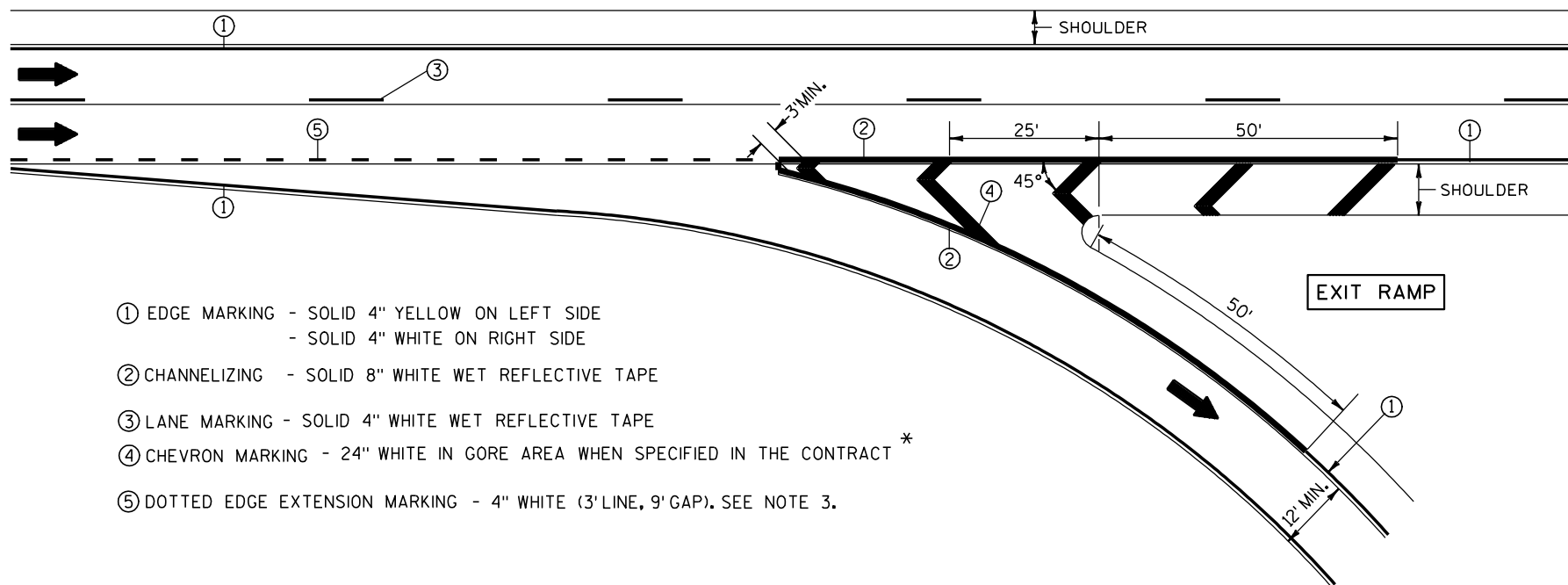
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/3/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

FHWA

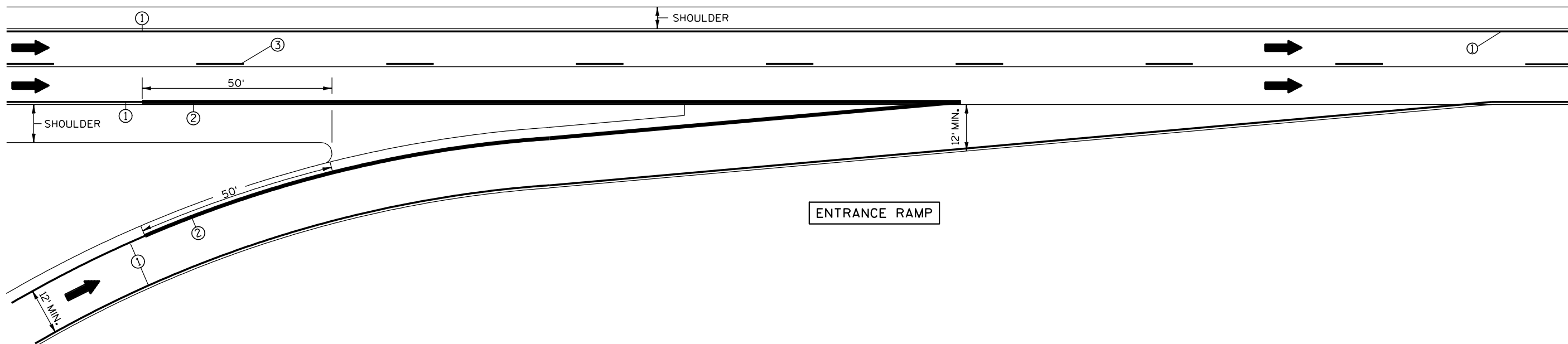


- ① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE
- ② CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE
- ③ LANE MARKING - SOLID 4" WHITE WET REFLECTIVE TAPE
- ④ CHEVRON MARKING - 24" WHITE IN GORE AREA WHEN SPECIFIED IN THE CONTRACT *
- ⑤ DOTTED EDGE EXTENSION MARKING -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

NOTES:

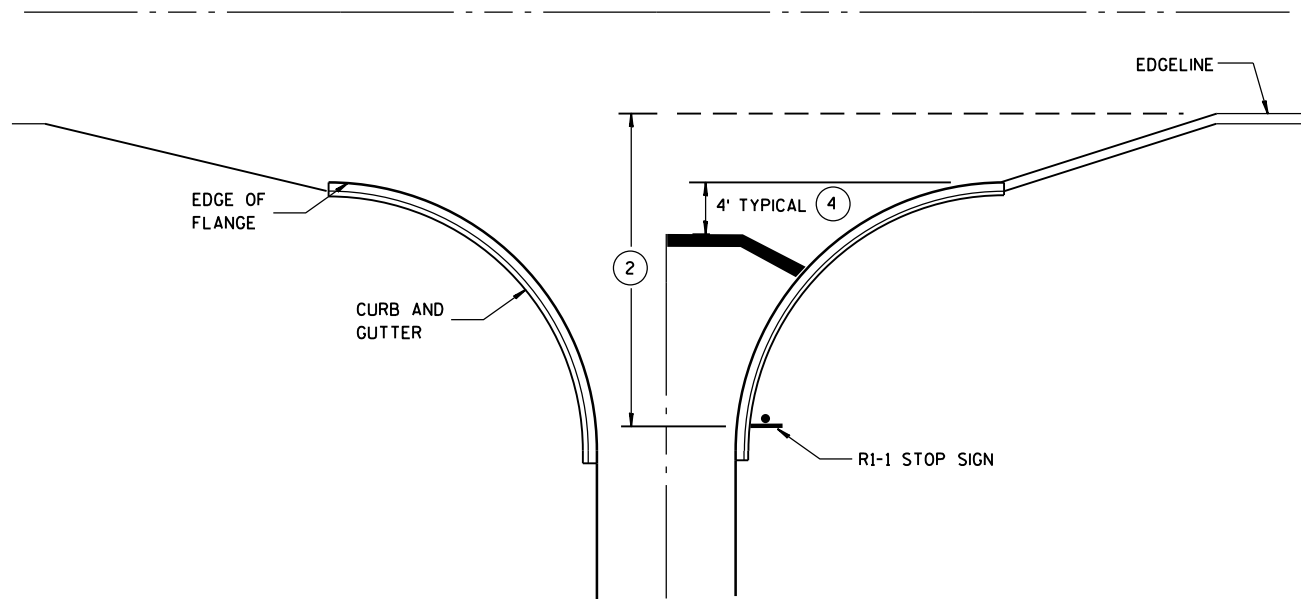
- 1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
- 2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.
- 3. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- 4. RETRACE EXISTING DIAGONAL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

* REFER TO DESIGN NOTES.

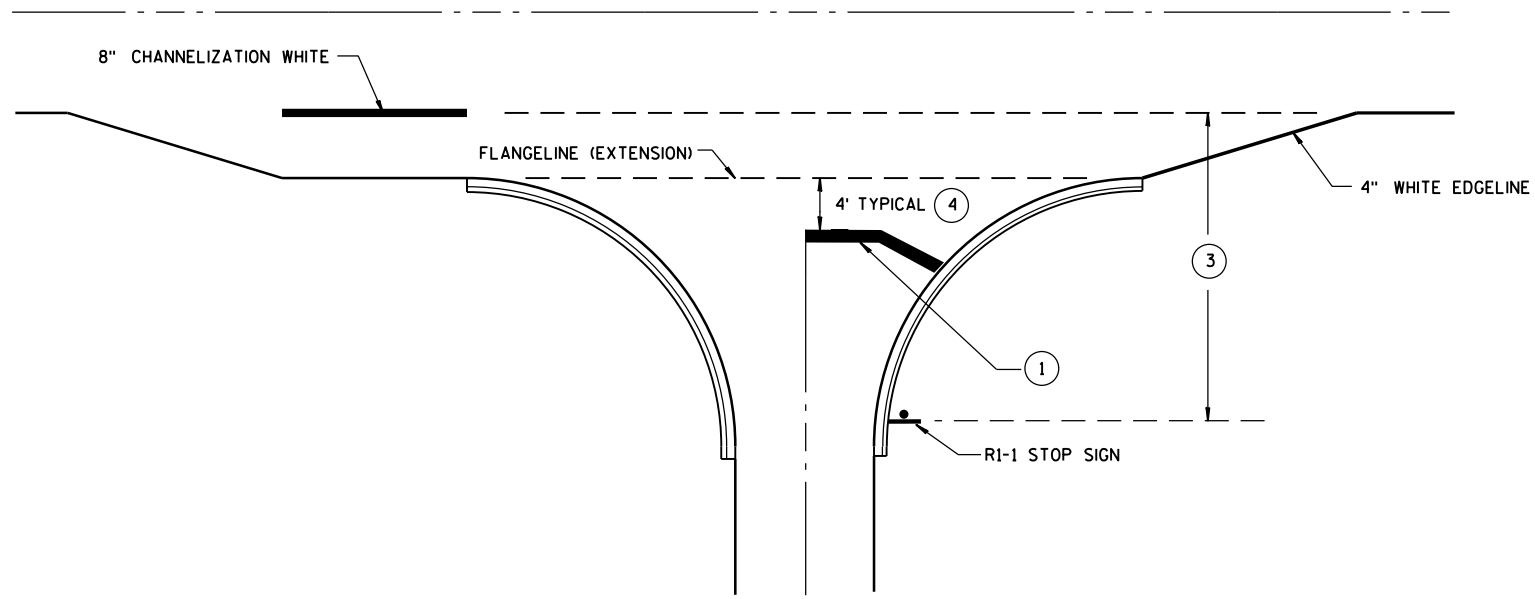


PAVEMENT MARKING
(RAMPS AND GORES)

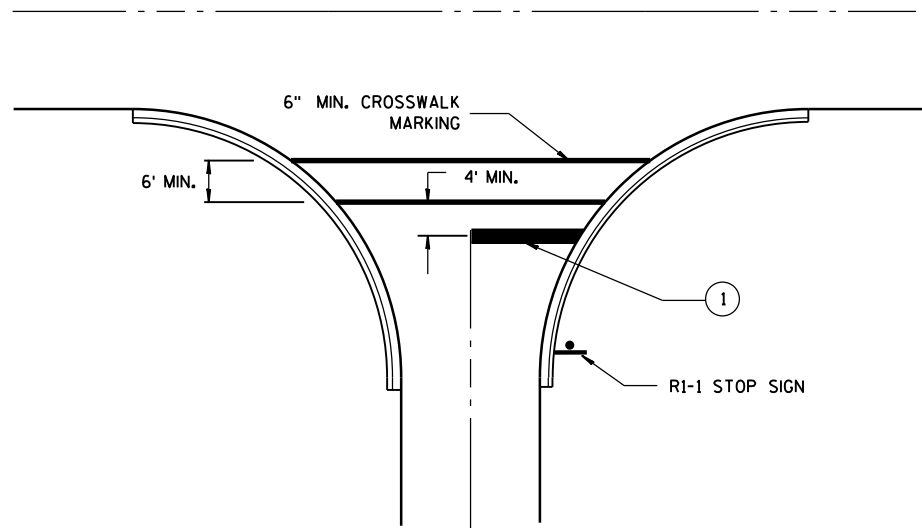
STATE OF WISCONSIN
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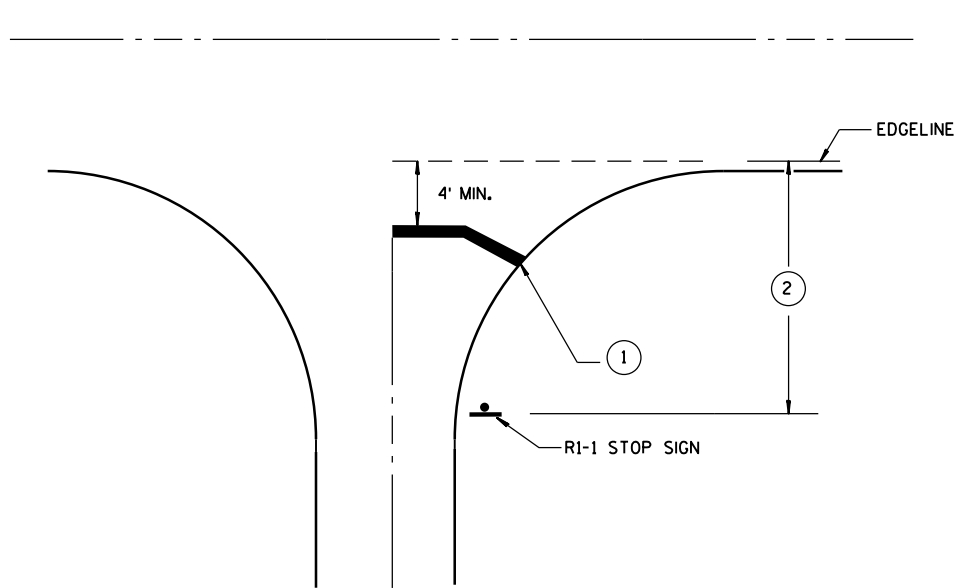
TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER



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.

STOP LINE AND CROSSWALK
PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/30/2013 DATE /S/ Travis Feltz
STATE TRAFFIC ENGINEER
FHWA

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- POST WITH ATTACHED SIGN IN DRUM
- 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.

"WO" 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 (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



LOCATED 500 FEET IN ADVANCE OF R2-1 SIGN AND 500 FEET BEYOND THE "ROAD WORK 1 MILE" SIGN.

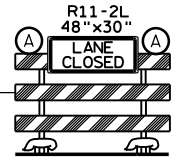


R2-1 48"x60" (BLACK AND WHITE)

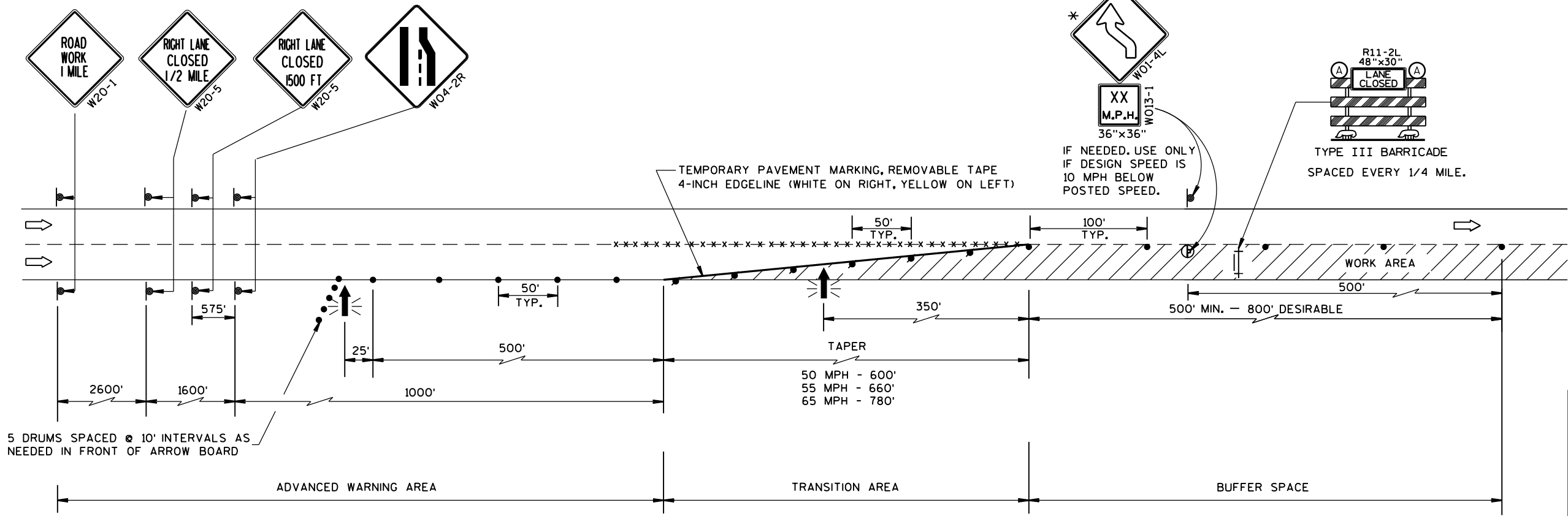
IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES.



IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.



TYPE III BARRICADE SPACED EVERY 1/4 MILE.



TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H.	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/2013	/S/ Travis Feltes
DATE	STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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