

WIS

PROJECT ID: 1009-42-85

WITH N/A

COUNTY: NC REGION WIDE

15

OCTOBER 2026

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 = 58



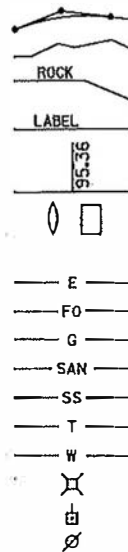
DESIGN DESIGNATION

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

CONVENTIONAL SYMBOLS

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

- PROFILE
GRADE LINE
ORIGINAL GROUND
MARSH OR ROCK PROFILE (To be noted as such)
SPECIAL DITCH
GRADE ELEVATION
CULVERT (Profile View)
UTILITIES
ELECTRIC
FIBER OPTIC
GAS
SANITARY SEWER
STORM SEWER
TELEPHONE
WATER
UTILITY PEDESTAL
POWER POLE
TELEPHONE POLE



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

NC REGION, EPOXY PAVEMENT MARKING

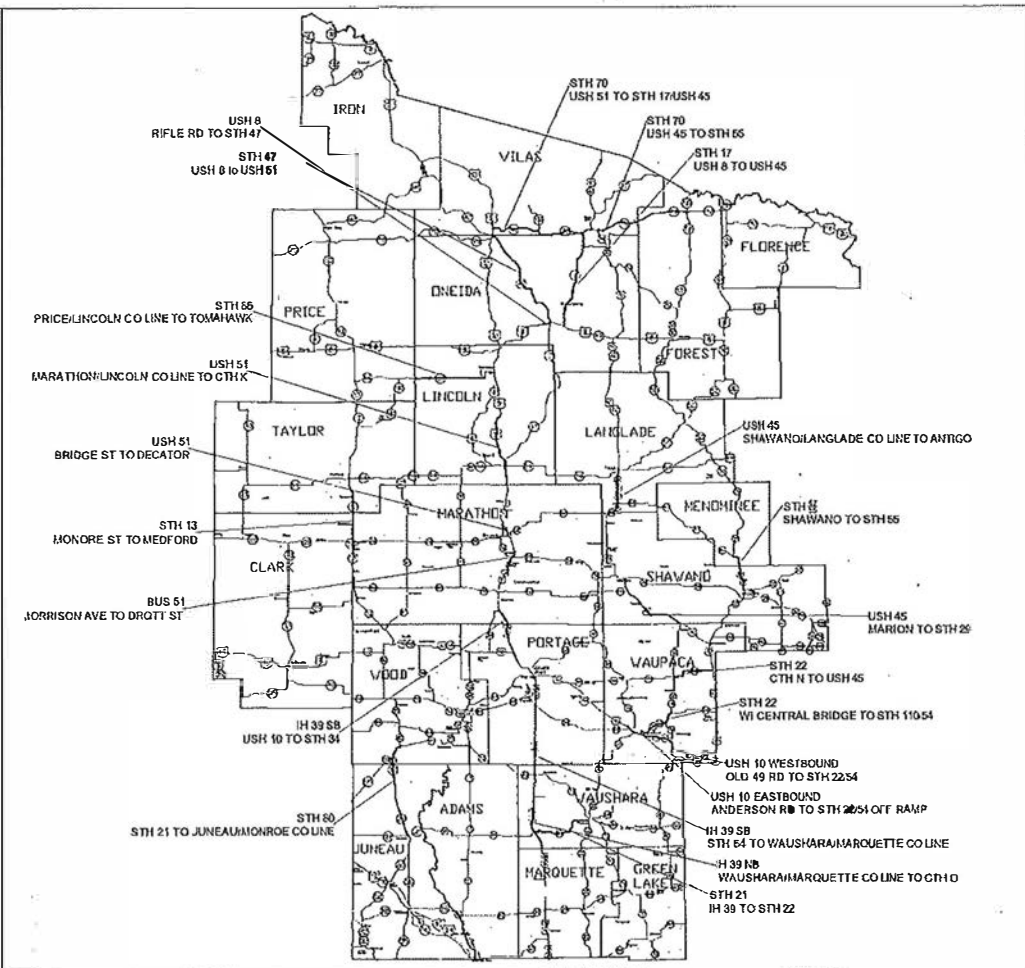
LOCATIONS ON STN PER ANNUAL PLAN

VAR HWY

NORTH CENTRAL REGION WIDE

STATE PROJECT NUMBER

1009-42-85



LAYOUT

SCALE 0

TOTAL NET LENGTH OF CENTERLINE =

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, COUNTY COUNTY, NAD83 (YEAR), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE PROJECT

1009-42-85

FEDERAL PROJECT

PROJECT

WISC 2027014

CONTRACT

1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor
Designer
Project Manager
Regional Examiner
Regional Supervisor

APPROVED FOR THE DEPARTMENT

DATE: 7/15/26
(Signature)

E

GENERAL NOTES

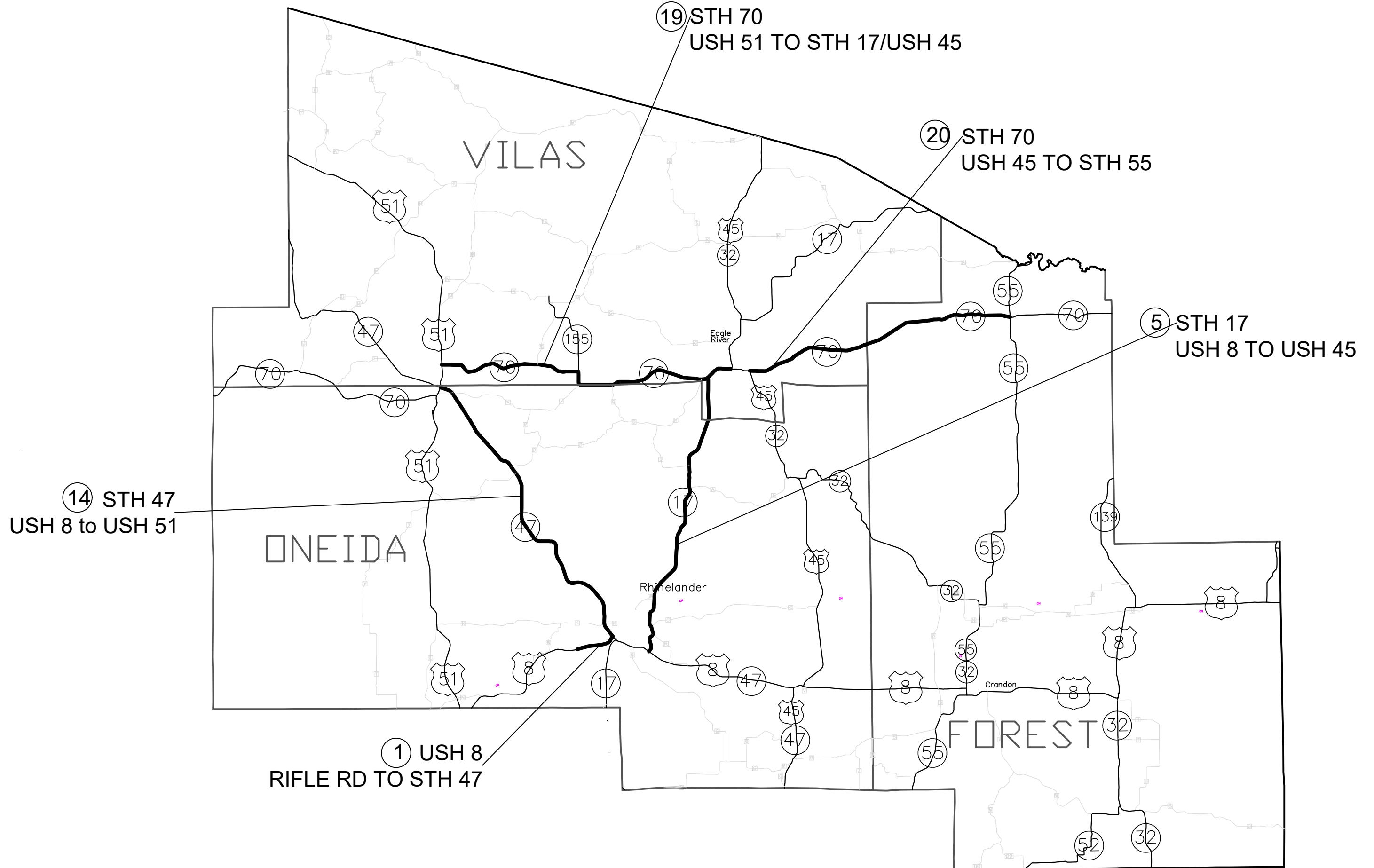
THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

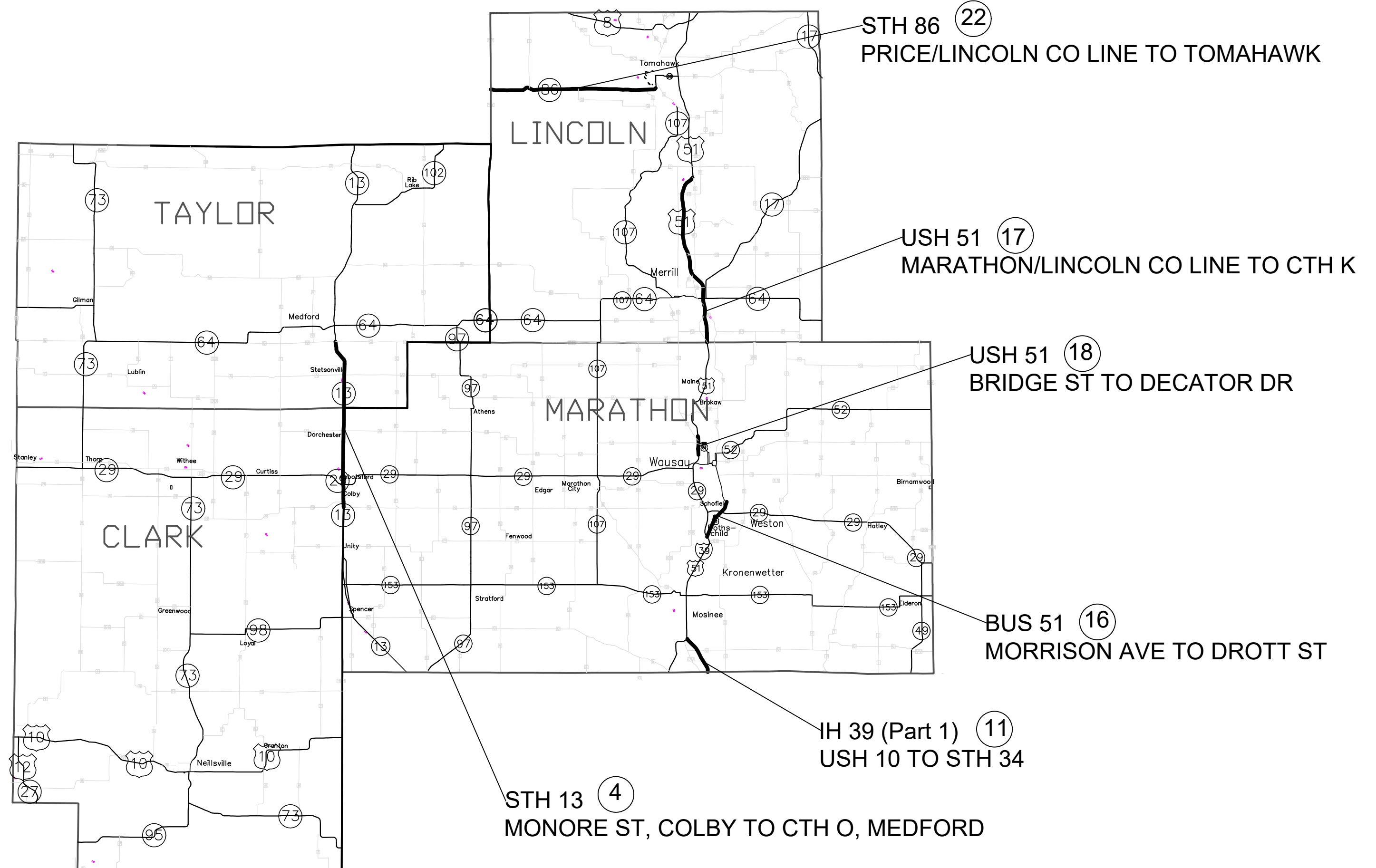


Dial  or (800) 242-8511
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ALAN SMITH
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alan.smith@dot.wi.gov

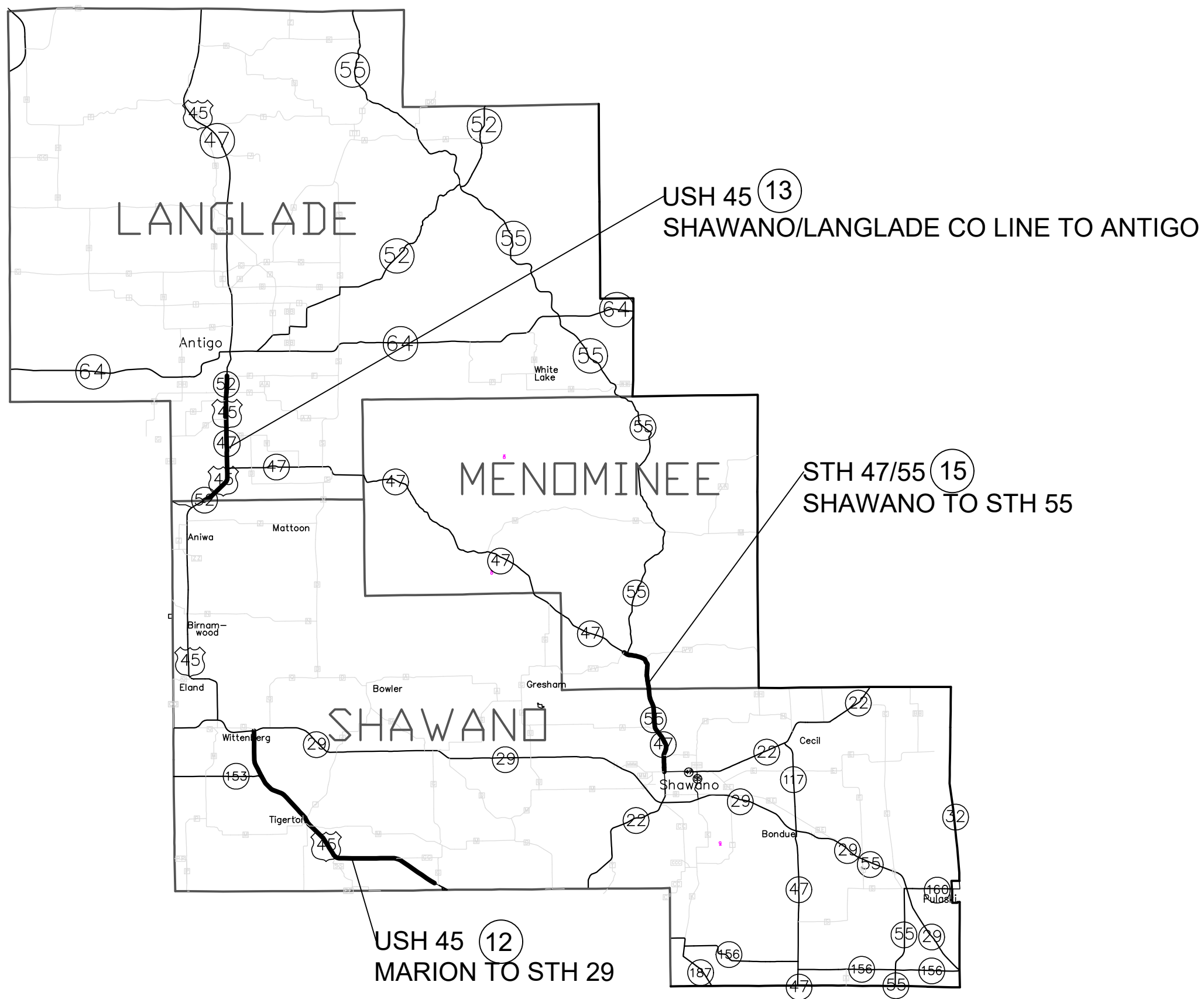
JEANNIE SILVER
PROJECT MANAGER
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jeannie.silver@dot.wi.gov





2

2



PROJECT NO:1009-42-85

HWY: VARIOUS

COUNTY: VARIOUS

PAVEMENT MARKING

SHEET

	E
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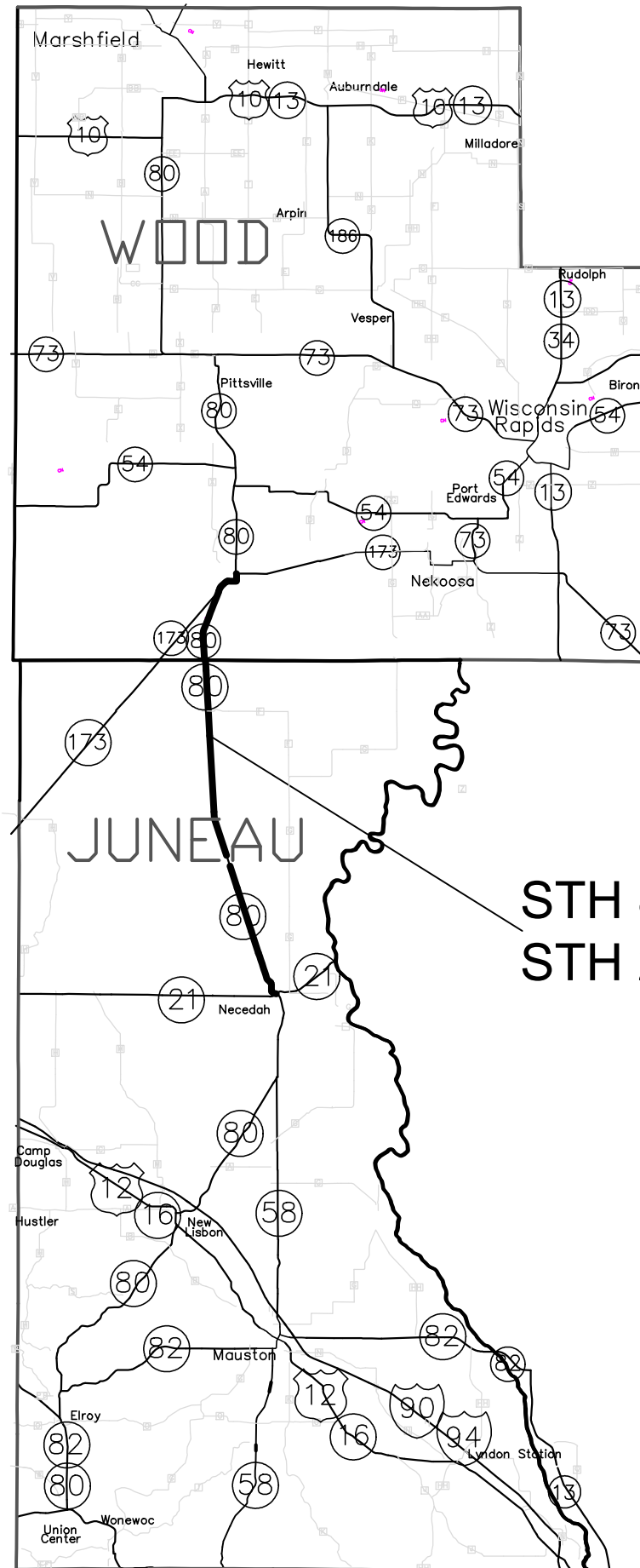
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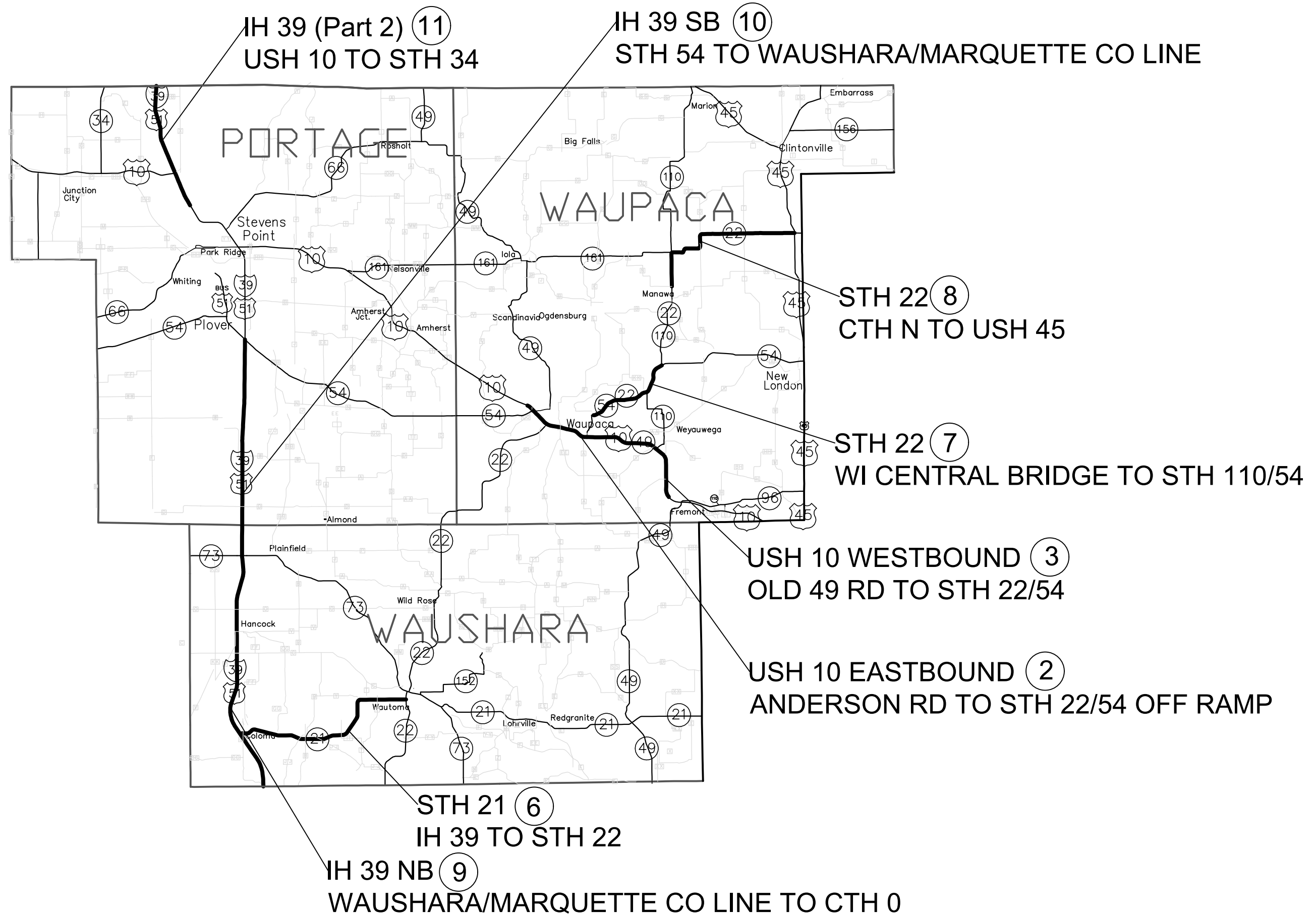
PLOT DATE : 6/9/2026 5:42 AM

PLOT BY : SILVER, JEANNIE K PLOT NAME :

PLOT SCALE : 0.000015

WISDOT/CADDS SHEET 42





Estimate Of Quantities

1009-42-85

Line	Item	Item Description	Unit	Total	Qty
0002	619.1000	Mobilization	EACH	1.000	1.000
0004	646.5020	Marking Arrow Epoxy	EACH	315.000	315.000
0006	646.5120	Marking Word Epoxy	EACH	73.000	73.000
0008	646.5320	Marking Railroad Crossing Epoxy	EACH	6.000	6.000
0010	646.6120	Marking Stop Line Epoxy 18-Inch	LF	3,719.000	3,719.000
0012	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	332.000	332.000
0014	646.7120	Marking Diagonal Epoxy 12-Inch	LF	2,069.000	2,069.000
0016	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	4,513.000	4,513.000
0018	SPV.0060	Special 01. Traffic Control	EACH	1.000	1.000
0020	SPV.0060	Special 02. Striper Computerized Data Logging System	EACH	1.000	1.000
0022	SPV.0090	Special 01. Marking Line Double Drop Epoxy 6-Inch	LF	4,503,158.000	4,503,158.000
0024	SPV.0090	Special 02. Marking Line Double Drop Epoxy 10-Inch	LF	62,273.000	62,273.000

EPOXY PAVEMENT MARKING SPECIAL MARKING SUMMARY				646.5020 ARROW EPOXY WHITE					646.5120 WORD EPOXY WHITE	646.5320 RAILROAD MARKING EPOXY WHITE	646.6120 STOP LINE EPOXY 18-INCH WHITE		646.6320 DOTTED EXTENSION EPOXY 18-INCH WHITE	646.7120 DIAGONAL EPOXY 12-INCH		646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH	
SECTION	ROUTE	COUNTY	NEAREST CROSSROAD	TYPE 1	TYPE 2	TYPE 2R	TYPE 3	TYPE 3R	ONLY	MAINLINE	MAINLINE	INTCHG ROADWAY	2' LINE, 2' GAP	YELLOW MEDIAN	WHITE GORE	MAINLINE	INTCHG ROADWAY
				EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	LF	LF	LF	LF	LF	LF
1	USH 8	Oneida	Rifle Rd to STH 47 (Rhinelanders)		10			2	2	4			120				
2	USH 10 EB	Waupaca	Anderson Rd to STH 22/54 Off Ramp		2				1		44					184	
3	USH 10 WB	Waupaca	Old 49 Rd to STH 22/54								64						
4	STH 13	Taylor/Clark	Monroe St, Colby to CTH O , Medford		61				14		294	197				695	661
5	STH 17	Oneida/Vilas	USH 8 to USH 45		60		2		14		274	268				449	156
6	STH 21	Waushara	IH 39 to STH 22		4				2		51	119					
7	STH 22	Waupaca	WI Central Bridge to STH 110/54									30					
8	STH 22	Waupaca	CTH N to USH 45		2		2				33						
9	IH 39 NB	Waushara	Marquette/Waushara Co Line to CTH O								76						
10	IH 39 SB	Portage/Waushara	STH 54 to Marquette/Waushara Co Line								228						
12	USH 45	Shawano	Marion to STH 29		4				2			15		519	38		
14	STH 47	Oneida	USH 8 to USH 51		23		2		6		218	215		730		382	404
15	STH 47/55	Menominee/Shawano	Shawano to STH 55	3	25	2		2	4	2		35	78	632		146	178
16	Bus 51	Marathon	Morrison Ave to Drott St	3	76		2		20		600	489		150		545	357
17	USH 51	Lincoln	Marathon/Lincoln Co Line to CTH K								290						
18	USH 51	Marathon	Bridge St to Decator Dr	4	8	2	8		5		41		134			356	
19	STH 70	Vilas	USH 51 to STH 17/USH 45		4		2		3		38	18					
21	STH 80	Wood/Juneau	STH 21 to Sunset Rd								82						
SUBTOTAL				10	279	4	18	4	73	6	2,333	1,386	332	2,031	38	2,757	1,756
TOTAL				315					73	6	3,719		332	2,069		4,513	

UNDISTRIBUTED ITEM	EACH
SPV.0060.02 Striper Computerized Data Logging System	1

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED.

EPOXY PAVEMENT MARKING LONGLINE SUMMARY

SECTION	ROUTE	MILES	COUNTY	NEAREST CROSSROAD
1	USH 8	2.8	Oneida	Rifle Rd to STH 47 (Rhinelanders)
2	USH 10 EB	4.5	Waupaca	Anderson Rd to STH 22/54 Off Ramp
3	USH 10 WB	9.4	Waupaca	Old 49 Rd to STH 22/54
4	STH 13	15.4	Taylor/Clark	Monroe St, Colby to CTH O , Medford
5	STH 17	23.6	Oneida/Vilas	USH 8 to USH 45
6	STH 21	13.7	Waushara	IH 39 to STH 22
7	STH 22	5.5	Waupaca	WI Central Bridge to STH 110/54
8	STH 22	12.1	Waupaca	CTH N to USH 45
9	IH 39 NB	14.0	Waushara	Marquette/Waushara Co Line to CTH O
10	IH 39 SB	30.1	Portage/Waushara	STH 54 to Marquette/Waushara Co Line
11	IH 39 SB	8.9	Marathon/Portage	South of USH 10 to STH 34
12	USH 45	16.4	Shawano	Marion to STH 29
13	USH 45	7.3	Langlade	Shawano/Langlade Co Line to Antigo
14	STH 47	24.2	Oneida	USH 8 to USH 51
15	STH 47/55	8.3	Menominee/Shawano	Shawano to STH 55
16	Bus 51	4.4	Marathon	Morrison Ave to Drott St
17	USH 51	6.7	Lincoln	Marathon/Lincoln Co Line to CTH K
18	USH 51	1.9	Marathon	Bridge St to Decator Dr
19	STH 70	21.4	Vilas	USH 51 to STH 17/USH 45
20	STH 70	20.2	Vilas/Forest	USH 45 to STH 55
21	STH 80	20.1	Wood/Juneau	STH 21 to Sunset Rd
22	STH 86	15.1	Lincoln	Price/Lincoln Co Line to Tomahawk
SUBTOTAL				
TOTAL				

SPV.0090.01
MARKING LINE
DOUBLE DROP EPOXY 6-INCH

YELLOW		WHITE		
CENTERLINE	EDGE LINE	EDGE LINE	LANE	MINI
LF	LEFT	RIGHT	LINE	DASH
	LF	LF	LF	LF
	30,800	30,800	7,750	
	32,308	37,097	5,950	
	55,134	57,742	12,350	
81,338	15,629	147,418	9,700	
126,454		213,100	4,775	
65,866		144,250	750	
54,586		67,979	225	
65,577		125,555		
	76,814	76,153		
	173,859	178,221		
	47,200	47,200	11,800	
86,817	2,665	173,184	450	
66,879		78,115		
128,363		255,870		
72,961		88,369		144
43,085		15,546	11,850	171
	83,664	89,239		
	27,320	28,598		446
142,069		225,300		
115,489		211,620		
107,755		209,647		
80,627		152,981		
1,237,866	545,393	2,653,984	65,600	315
4,503,158				

SPV.0090.02
MARKING LINE
DOUBLE DROP EPOXY 10-INCH

WHITE				
MINI	RAMP	GORE	LEFT	RIGHT
DASH	LF	LF	LANE	LANE
LF	LF	LF	LF	LF
54		885	1,980	1,479
	549	8,165	185	
	1,100	5,110	2,559	597
			3,638	2,010
		1,104	2,076	2,337
			175	1,095
				621
				735
	111			
	1,701			
			525	1,784
				1,423
			931	995
66		215	935	784
306		850	4,041	3,516
446	2,037	4,254		
				450
				449
872	5,498	20,583	17,045	18,275
62,273				

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED.

SECTION 1 ONEIDA COUNTY USH 8 RIFLE RD TO STH 47		646.5020 ARROW EPOXY WHITE		646.5120 WORD EPOXY WHITE ONLY	646.5320 RAILROAD MARKING EPOXY WHITE MAINLINE	646.6320 DOTTED EXTENSION EPOXY 18-INCH WHITE 2' LINE, 2' GAP	SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH			SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH			
ROUTE	NEAREST CROSSROAD	TYPE 2 EACH	TYPE 3R EACH	ONLY EACH	MAINLINE LF	LF	YELLOW EDGE LINE LEFT LF	WHITE EDGE LINE RIGHT LF	LANE LINE LF	MINI DASH LF	GORE LF	LEFT LANE LF	RIGHT LANE LF
USH 8	Rifle Rd to STH 47						30,800	30,800	7,750				368
	Golf Course Rd	4										397	
	Fox Ranch Rd	4		2									
	Red Arrow Dr				4							354	403
	Airport Rd											207	199
	Hairy Stylez Salon											95	
	River Rd											927	509
	STH 47	2	2			120				54	885		
SUBTOTAL		10	2	2	4	120	30,800	30,800	7,750	54	885	1,980	1,479
TOTAL		12		2	4	120	69,350			4,398			

SECTION 2 WAUPACA COUNTY USH 10 EB ANDERSON RD TO STH 22 OFF RAMP		646.5020 ARROW EPOXY WHITE	646.5120 WORD EPOXY WHITE ONLY	646.6120 STOP LINE EPOXY 18-INCH WHITE MAINLINE	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE MAINLINE	SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH			SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH		
ROUTE	NEAREST CROSSROAD	TYPE 2 EACH	ONLY EACH	MAINLINE LF	MAINLINE LF	YELLOW EDGE LINE LEFT LF	WHITE EDGE LINE RIGHT LF	LANE LINE LF	RAMP LF	GORE LF	LEFT LANE LF
USH 10 EB	Anderson Rd to STH 22 Off Ramp					23,866	23,866	5,950			185
	Anderson Rd										
	STH 49/54 Off Ramp			17	100	792	1,372		33	903	
	STH 49/54 On Ramp	2	1			839	2,115		516	2,063	
	STH 22 Off Ramp			27	84	877	1,349			743	
	STH 22 On Ramp					720	1,708			1,598	
	Churchhill St Off Ramp					2,495	3,395			1,333	
	Churchhill St On Ramp					2,719	3,292			1,525	
SUBTOTAL		2	1	44	184	32,308	37,097	5,950	549	8,165	185
TOTAL		2	1	44	184	75,355			8,899		

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED.

SECTION 3 WAUPACA COUNTY USH 10 WB OLD 49 TO STH 22/54		646.6120 STOP LINE EPOXY 18-INCH WHITE MAINLINE LF	SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH YELLOW EDGE LINE LEFT LF WHITE EDGE LINE RIGHT LF LANE LINE LF			SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH WHITE RAMP LF GORE LF LEFT LANE LF RIGHT LANE LF			
USH 10 WB	Old 49 to STH 22/54 N931 N1025		49,420	49,420	12,350			112 128	
	N1026 CTH U N1291/1260							213 171 137	
	N1325 Evanswood Rd Little River Rd							140 130 130	131
	Various Businesses Frontage Rd Pine St Off Ramp							145 140	
	CTH X Off Ramp CTH X On Ramp Tanning Supply Shop	36	1,217 1,319 1,373	1,664 1,689 1,697			778 812 1,373		
	E5198 Turn Around Reek Rd							133 124 104 123	
	Holiday Rd Field Entrance Harrington Rd							223 129 117 124	
	Vaughan Rd E4366 STH 22/54 Off Ramp STH 22/54 On Ramp							243 125 134	
		28	870 935	1,349 1,923		118 982	753 1,394		
SUBTOTAL		64	55,134	57,742	12,350	1,100	5,110	2,559	597
TOTAL		64	125,226			9,366			

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED.

SECTION 4 CLARK/TAYLOR COUNTY STH 13 MONROE ST, COLBY TO CTH O, MEDFORD		646.5020 ARROW EPOXY WHITE	646.5120 WORD EPOXY WHITE	646.6120 STOP LINE EPOXY 18-INCH WHITE		646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE		646.2020 MARKING LINE DOUBLE DROP EPOXY 6-INCH				646.4020 MARKING LINE DOUBLE DROP EPOXY 10-INCH	
Route	LOCATION	TYPE 2 EACH	ONLY EACH	MAINLINE LF	INTCHG ROADWAY LF	MAINLINE LF	INTCHG ROADWAY LF	CENTERLINE LF	EDGE LINE LEFT LF	EDGE LINE RIGHT LF	LANE LINE LF	LEFT LANE LF	RIGHT LANE LF
STH 13	Monroe St, Colby to 400' S of CTH O, Medford CTH N North St	1		48	42	207	223	81,338	15,629	147,418	9,700	63	
	Park St Adams St Business	2 6 2	1 3	93	67	163	152					252 595 118	278
	Dehne Dr Hornet Dr TWLTL	4 4 4	1 2									264 264	149 203
	A&W Elderberry Rd STH 29	2 6 4										97 313 289	161 125
	STH 29 TWLTL	4 10	2									285	245
	Spruce St CTH A	4 8		80 73	64 24	325	286					249 849	849
	SUBTOTAL	61	14	294	197	695	661	81,338	15,629	147,418	9,700	3,638	2,010
TOTAL		61	14	491		1,356		254,085				5,648	

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED.

SECTION 5 ONEIDA COUNTY STH 17 USH 8 TO USH 45		646.5020 ARROW EPOXY WHITE		646.5120 WORD EPOXY WHITE	646.6120 STOP LINE EPOXY 18-INCH WHITE		646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE		SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH			SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH		
ROUTE	NEAREST CROSSROAD	TYPE 2	TYPE 3	ONLY	MAINLINE	INTCHG	MAINLINE	INTCHG	YELLOW	WHITE	LANE	GORE	WHITE	RIGHT
		EACH	EACH	EACH	LF	ROADWAY	LF	ROADWAY	CENTERLINE	EDGELINE	LINE	LF	LEFT	LANE
STH 17	USH 8 to USH 45	2	2	1	12	76			126,454	213,100	4,775	549		
	STH 17													
	Print Pack	4		2									337	332
	CTH P	4		2	66	67							213	267
	N Shore Dr	8		2	56	69	253						192	594
	CTH C/Timber Dr	4		4	53	56	196	156					264	394
	Winnebago St	4											200	
	Navaio St	4											218	
	Stevens St	4			59								125	275
	Stevens St to Shepard Lake Rd TWLTL	10												
	Mendards	2											180	
	TWLTL	2												
	Birchwood Dr	2											105	
	TWLTL	2												
	CTH A													211
	CTH D													264
	STH 70	6		3	28							555	125	
	USH 45	2											117	
SUBTOTAL		60	2	14	274	268	449	156	126,454	213,100	4,775	1,104	2,076	2,337
TOTAL		62		14	542		605			344,329			5,517	

SECTION 6 WAUSHARA COUNTY STH 21 COLOMA TO STH 22		646.5020 ARROW EPOXY WHITE	646.5120 WORD EPOXY WHITE	646.6120 STOP LINE EPOXY 18-INCH WHITE		SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH			SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH	
ROUTE	NEAREST CROSSROAD	TYPE 2	ONLY	MAINLINE	INTCHG	YELLOW	WHITE	LANE	WHITE	RIGHT
		EACH	EACH	LF	ROADWAY	CENTERLINE	EDGELINE	LINE	LEFT LANE	RIGHT LANE
STH 21	IH 39 On Ramp (Coloma) to STH 22					65,866	144,250	750		
	IH 39 Specials Only	2	1							339
	Industrial Dr									360
	CTH B				62					297
	STH 22	2	1	51	57				175	99
SUBTOTAL		4	2	51	119	65,866	144,250	750	175	1095
TOTAL		4	2		170		210,866			1270

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED.

SECTION 7 WAUPACA COUNTY STH 22 WI CENTRAL BRIDGE TO STH 22/54/110		646.6120 STOP LINE EPOXY 18-INCH	SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH			SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH
ROUTE	NEAREST CROSSROAD	WHITE	YELLOW	WHITE		WHITE
		INTCHG ROADWAY	CENTERLINE	EDGE LINE RIGHT	LANE LINE	RIGHT LANE
		LF	LF	LF	LF	LF
STH 22	WI Central Bridge to 450' East of STH 22/54/110	30	54,586	67,979	225	370 251
SUBTOTAL		30	54,586	67,979	225	621
TOTAL		30	122,790			621

SECTION 8 WAUPACA COUNTY STH 22 CTH N TO USH 45		646.5020 ARROW EPOXY		646.6120 STOP LINE EPOXY 18-INCH	SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH		SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH	COMMENTS
ROUTE	NEAREST CROSSROAD	WHITE		WHITE	YELLOW	WHITE	WHITE	
		TYPE 2	TYPE 3	MAINLINE	CENTERLINE	EDGE LINE RIGHT	RIGHT LANE	
		EACH	EACH	LF	LF	LF	LF	
STH 22	North of CTH N to USH 45				65,577	125,555		
	STH 110						135	
	East River Rd						107	
	CTH O						109	
	CTH O						99	
	CTH T						188	
	USH 45	2	2	33			97	ONLY PAINT STOP BARS ON STH 22
SUBTOTAL		2	2	33	65,577	125,555	735	
TOTAL		4		33	191,132		735	

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED.

SECTION 9
WAUSHARA COUNTY
IH 39 NORTHBOUND
MARQUETTE/WAUSHARA CO LINE TO CTH O

ROUTE	NEAREST CROSSROAD	646.6120 STOP LINE EPOXY 18-INCH WHITE MAINLINE LF	SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH		SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH WHITE RAMP LF
			YELLOW EDGE LINE LEFT LF	WHITE EDGE LINE RIGHT LF	
IH 39 NB ONLY	Marquette/Waushara to Mile 134 (North of CTH O)		73,286	70,486	
	STH 21 Off Ramp	17	1,132	1,653	111
	STH 21 On Ramp		1,199	1,926	
	N Lake St Off Ramp	59	597	820	
	N Lake St On Ramp		600	1,268	
SUBTOTAL		76	76,814	76,153	111
TOTAL		76	152,967		111

DO NOT PAINT TAPE LANE LINES.

SECTION 10
PORTAGE AND WAUSHARA COUNTIES
IH 39 SOUTHBOUND
STH 54 TO WAUSHARA CO LINE

ROUTE	NEAREST CROSSROAD	646.6120 STOP LINE EPOXY 18-INCH WHITE MAINLINE LF	SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH		SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH WHITE RAMP LF
			YELLOW EDGE LINE LEFT LF	WHITE EDGE LINE RIGHT LF	
IH 39 SB ONLY	Mile Marker 151 to Waushara Co Line		163,468	163,468	
	CTH W Off Ramp	67	1,090	1,517	101
	CTH W On Ramp		819	1,685	
	CTH D Off Ramp	49	1,093	1,423	78
	CTH D On Ramp		946	1,565	
	CTH 73 Off Ramp	52	1,704	1,339	117
	CTH 73 On Ramp		1,199	1,853	
	N Lake St Off Ramp	45	547	780	38
	N Lake St On Ramp		507	1,137	
	44.0738043,-89.5350479	15	1,230	1,602	1,367
	STH 21 On Ramp		1,256	1,852	
SUBTOTAL		228	173,859	178,221	1,701
TOTAL		228	352,080		1,701

DO NOT PAINT TAPE LANE LINES

SECTION 11
MARATHON AND PORTAGE COUNTIES
IH 39 SOUTHBOUND
USH 10 TO STH 34

ROUTE	NEAREST CROSSROAD	SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH WHITE		
		EDGE LINE LEFT LF	EDGE LINE RIGHT LF	LANE LINE LF
IH 39 SB	East of STH 34 to USH 10	47,200	47,200	11,800
SUBTOTAL		47,200	47,200	11,800
TOTAL		106,200		

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED.

SECTION 12 SHAWANO COUNTIES USH 45 MARION TO STH 29		646.5020 ARROW EPOXY WHITE TYPE 2 EACH	646.5120 WORD EPOXY WHITE ONLY EACH	646.6120 STOP LINE EPOXY 18-INCH WHITE INTCHG ROADWAY LF	646.7120 DIAGONAL EPOXY 12-INCH YELLOW MEDIAN LF		SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH YELLOW CENTERLINE LF				SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH WHITE LEFT LANE LF	
ROUTE	NEAREST CROSSROAD				WHITE GORE LF		WHITE EDGELINE LEFT LF	WHITE EDGELINE RIGHT LF	LANE LINE LF		RIGHT LANE LF	
USH 45	Gollnow Rd, Marion to STH 29						86,817	2,665	173,184	450		210
	CTH GG											267
	CTH SS											211
	CTH J											106
	CTH J South											405
	CTH M											106
	Edgewood Rd											170
	Kielbock/Beech											309
	STH 153			15								
	Transition				284							
	STH 29	4	2		235	38					525	
SUBTOTAL		4	2	15	519	38	86,817	2,665	173,184	450	525	1,784
TOTAL		4	2	15	557		263,116				2,309	

SECTION 13 LANGLADE COUNTIES USH 45 SHAWANO/LANGLADE CO LINE TO FOREST AVE, ANTIGO		SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH YELLOW CENTERLINE LF		SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH WHITE RIGHT LANE LF
ROUTE	NEAREST CROSSROAD			
USH 45	Shawano/Langlade Co Line to Forest Ln, Antigo	66,879	78,115	
	STH 47			190
	CTH G			1,233
SUBTOTAL		66,879	78,115	1,423
TOTAL		144,994		1,423

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED.

SECTION 14 ONEIDA COUNTY STH 47 USH 8 to USH 51		646.5020 ARROW EPOXY WHITE		646.5120 WORD EPOXY WHITE ONLY	646.6120 STOP LINE EPOXY 18-INCH WHITE		646.7120 DIAGONAL EPOXY 12-INCH YELLOW MEDIAN	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE		SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH YELLOW CENTERLINE		WHITE EDGE LINE RIGHT LF	SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH WHITE	
ROUTE	NEAREST CROSSROAD	TYPE 2 EACH	TYPE 3 EACH		MAINLINE LF	INTCHG ROADWAY LF		MAINLINE LF	INTCHG ROADWAY LF				LEFT LANE LF	RIGHT LANE LF
STH 47	USH 8 to USH 51 USH 8 Davenport ST/River Rd	4					50 75			128,363	255,870		184	
	CTH K Forest Ln Bridge Rd	6 2 2	2	2 1	77	33	400						237	190 250 102
	CTH J Driveway USH 51	4 1 4		1 2	58 83	73 109	205						349 161	289 164
	SUBTOTAL	23	2	6	218	215	730	382	404	128,363	255,870		931	995
	TOTAL	25		6	433		730	786		384,233		1,926		

SECTION 15 SHAWANO COUNTIES STH 47/55 3RD ST, SHAWANO TO WEST OF STH 55		646.5020 ARROW EPOXY WHITE				646.5120 WORD EPOXY WHITE ONLY	646.5320 RAILROAD MARKING EPOXY WHITE MAINLINE	646.6120 STOP LINE EPOXY 18-INCH WHITE INTCHG ROADWAY LF	646.6320 DOTTED EXTENSION EPOXY 18-INCH WHITE 2' LINE, 2' GAP LF	646.7120 DIAGONAL EPOXY 12-INCH YELLOW MEDIAN	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE		SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH YELLOW CENTERLINE			WHITE EDGE LINE RIGHT LF	MINI DASH LF	SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH WHITE		
ROUTE	NEAREST CROSSROAD	TYPE 1 EACH	TYPE 2 EACH	TYPE 2R EACH	TYPE 3R EACH		LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
STH 47/55	3rd St, Shawano to West of STH 55 Mills St Anderson Ave/Old Lake Rd		4				2			94			72,961	88,176						
	Elm Ave/Lake Dr Maple Ave Frailing Ln		2 2 2			1				34 87 176									240 125 22	
	Curt Black Rd CTH A Campus Cir		4													89	42	42		106 152
	RAB Casino TWLTL Go Around Rd/Duquaine Rd	3	3 4 2	2	2	2			78	127 114	146					78		215	133	227
	Courthouse Ln		2			1		35				178		104	24	24				104 195
SUBTOTAL		3	25	2	2	4	2	35	78	632	146	178	72,961	88,369	144	66	215	935	784	
TOTAL		32				4	2	35	78	632	324		161,474			2,000				

SECTION 16 MARATHON COUNTY BUSINESS 51 MORRISON AVE TO EVEREST DR		646.5020 ARROW EPOXY WHITE			646.5120 WORD EPOXY WHITE	646.6120 STOP LINE EPOXY 18-INCH WHITE		646.7120 DIAGONAL EPOXY 12-INCH YELLOW	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE		SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH				SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH				COMMENTS		
ROUTE	NEAREST CROSSROAD	TYPE 1 EACH	TYPE 2 EACH	TYPE 3 EACH	ONLY EACH	MAINLINE LF	INTCHG ROADWAY LF	MEDIAN LF	MAINLINE LF	INTCHG ROADWAY LF	YELLOW CENTERLINE LF	EDGE LINE RIGHT LF	WHITE LANE LINE LF	MINI DASH LF	MINI DASH LF	GORE LF	LEFT LANE LF	RIGHT LANE LF			
B51 NB	Morrison Ave to Drott St IH 39 SB IH 39 NB	1	4 1	2		54 53	57 45				43,085	7,445	5,925		57 45	57 45		175 810	132 810		
	CTH XX/Imperial Ave Eagle Nest Blvd Wausau Tile		5 2		2 1	42 27	44 47	150							45	272 578	101	450 486	Stop Lines painted with 29 skips		
	STH 29 EB STH 29 WB Ellen St		2 4 1		1 2				160								322 85	201 365 27			
	TWLTL Kort St/Jelinek Ave TWLTL		2 2 4				37	21		145							167				
	Neupert Ave TWLTL Post Ave		2 2 3														93 99				
	TWLTL Schofield Ave Drott St	2	2 6			3	39 26	69 21		44	357					66		302	151	Change to solid dual Left Lane	
B51 SB	Drott St to Morrison Ave Drott St Ross Ave					25	16					7,445	5,925					142			
	Schofield Ave Post Ave Neupert Ave		2 2 2		1	57									69		101 100 98	288			
	Kort St/Jelinek Ave Volkman St Ellen St		2 2 2		1	38 37	22 16										143 165 154				
	STH 29 WB STH 29 EB Domtar Truck Entrance Domtar Truck Entrance		2 2 2 2		1 1 1												426 174	165 176			
	Eagle Nest Blvd CTH XX/Imperial Ave IH 39 NB IH 39 SB		2 4 2 4		1 2 1 2	33 42 54	40 52 39		196			656		33 36	33 36		205 436 376 177	134 131			
	SUBTOTAL		3	76	2	20	600	489	150	545	357	43,085	15,546	11,850	171	306	850	4,041	3,516		
TOTAL		81			20	1,089		150	902		70,652				8,713						
ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED.																					
PROJECT NO: 1009-42-85					HWY: VARIOUS				COUNTY: VARIOUS				MISCELLANEOUS QUANTITIES						SHEET:		E

SECTION 17 LINCOLN COUNTY USH 51 MARATHON/LINCOLN CO LINE TO CTH K		646.6120 STOP LINE EPOXY 18-INCH WHITE MAINLINE LF	SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH YELLOW EDGE LINE LEFT LF WHITE EDGE LINE RIGHT LF	
ROUTE	NEAREST CROSSROAD			
USH 51 NB	Marathon/Lincoln Co Line to CTH K		35,270	34,800
	CTH Q Off Ramp	69	858	1,356
	CTH Q On Ramp		861	1,597
	STH 17/64 Off Ramp	47	1,463	1,927
	STH 17/64 On Ramp		1,038	1,745
	CTH K Off Ramp	28	989	1,632
USH 51 SB	CTH K On Ramp		926	1,632
	CTH K to Marathon/Lincoln Co Line		35,270	34,800
	CTH K Off Ramp	57	1,058	1,429
	CTH K On Ramp		1,094	1,757
	STH 17/64 Off Ramp	56	1,221	1,585
	STH 17/64 On Ramp		1,267	1,604
	CTH Q Off Ramp	33	1,549	1,822
	CTH Q On Ramp		800	1,553
SUBTOTAL		290	83,664	89,239
TOTAL		290	172,903	
DO NOT PAINT OVER TAPE LANE LINES				

SECTION 18 MARATHON COUNTY USH 51 BRIDGE ST TO DECATOR DR		646.5020 ARROW EPOXY WHITE				646.5120 WORD EPOXY WHITE	646.6120 STOP LINE EPOXY 18-INCH WHITE	646.6320 DOTTED EXTENSION EPOXY 18-INCH WHITE	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE	SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH		SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH		
ROUTE	NEAREST CROSSROAD	TYPE 1 EACH	TYPE 2 EACH	TYPE 2R EACH	TYPE 3 EACH	ONLY EACH	MAINLINE LF	2' LINE, 2' GAP LF	MAINLINE LF	EDGELINE LEFT LF	WHITE EDGELINE RIGHT LF	MINI DASH LF	RAMP LF	GORE LF
USH 51 NB	Bridge St Joint to Decatur Dr					1	41		70	10,158	9,000			
	CTH U Off Ramp		2						523		1,769		209	
	CTH K Off Ramp		2	2		2			72		1,578		342	580
	CTH K RAB	2			4			68				171		228
	CTH K On Ramp								102	1,399	2,254			
USH 51 SB	Decatur Dr to Bridge St Joint					2			74	10,158	9,000			
	CTH K Off Ramp		4							1,227	1,565		1,486	715
	CTH K RAB	2			4			66	38			275		
	CTH K On Ramp									1,163	1,990			1,426
	CTH U On Ramp									643	1,442			1,305
SUBTOTAL		4	8	2	8	5	41	134	356	27,320	28,598	446	2,037	4,254
TOTAL		18				5	41	134	356	55,918		6,737		
DO NOT PAINT OVER TAPE LANE LINES														

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED.

SECTION 19 VILAS COUNTY STH 70 USH 51 TO STH 17/USH 45		646.5020 ARROW EPOXY WHITE		646.5120 WORD EPOXY WHITE	646.6120 STOP LINE EPOXY 18-INCH WHITE		SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH		SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH WHITE
ROUTE	NEAREST CROSSROAD	TYPE 2 EACH	TYPE 3 EACH	ONLY EACH	MAINLINE LF	INTCHG ROADWAY LF	YELLOW CENTERLINE LF	WHITE EDGE LINE RIGHT LF	RIGHT LANE LF
USH 45	USH 51 to STH 17/USH 45	2		1	26		142,069	225,300	195
	USH 51	2	2	2	12	18			255
	STH 155								
SUBTOTAL		4	2	3	38	18	142,069	225,300	450
TOTAL		6		3	56		367,369		450

SECTION 20 VILAS COUNTY STH 70 USH 45 TO STH 55		SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH	
ROUTE	NEAREST CROSSROAD	YELLOW CENTERLINE LF	WHITE EDGE LINE RIGHT LF
STH 70	USH 45 to STH 55	115,489	211,620
TOTAL		327,109	

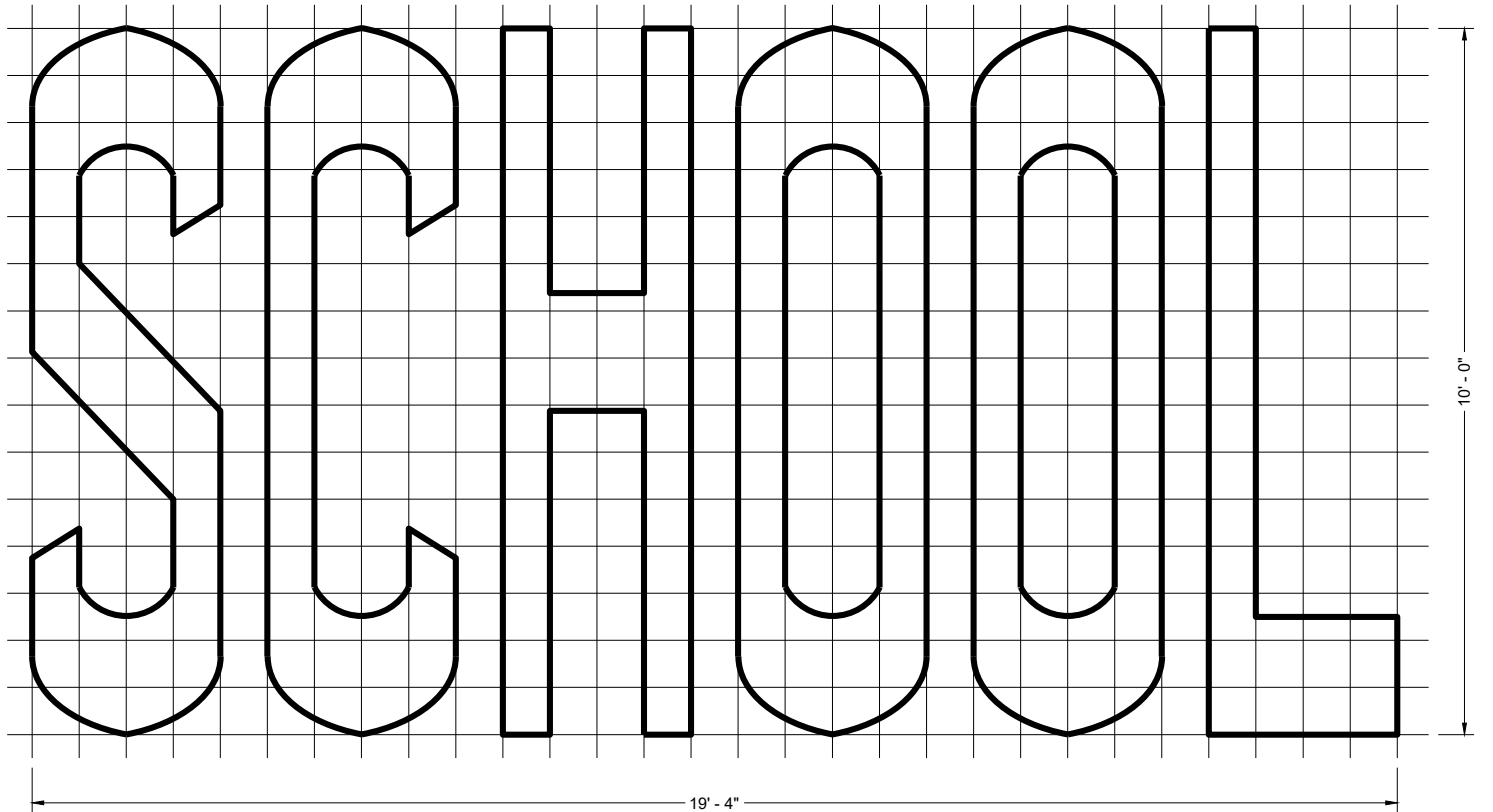
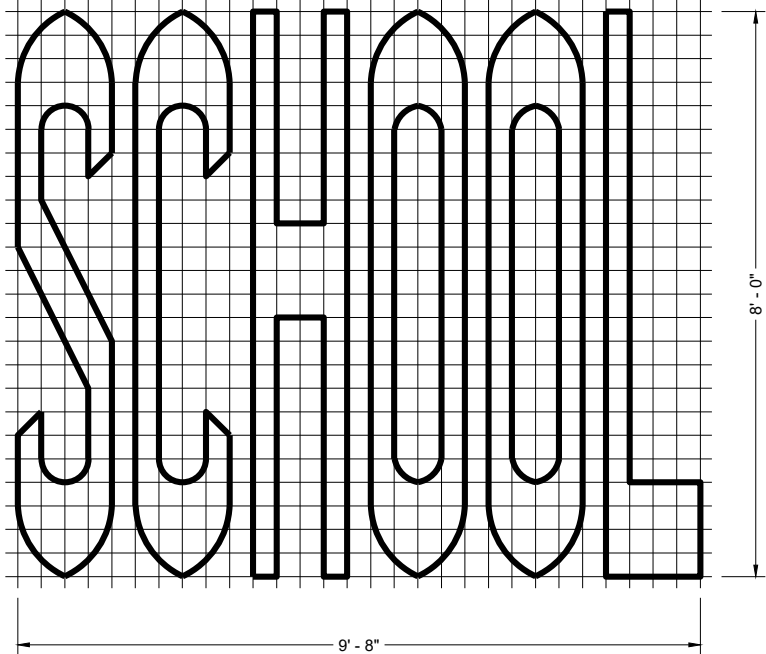
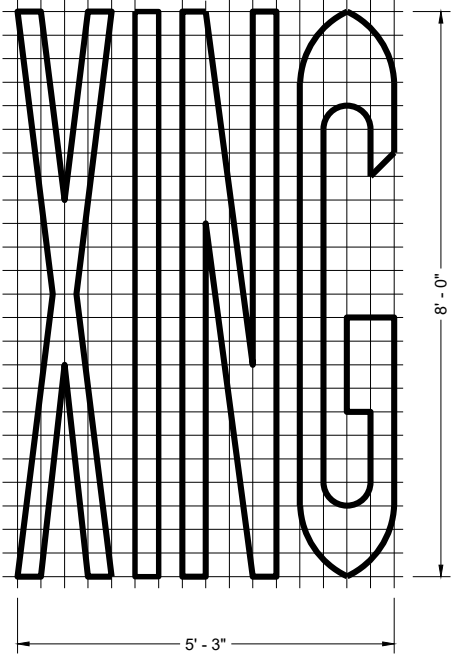
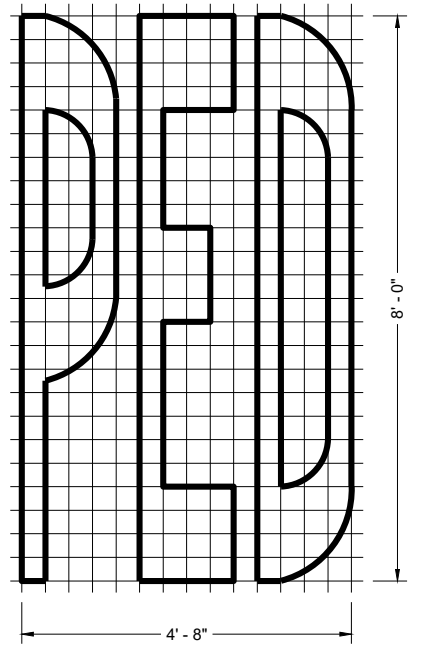
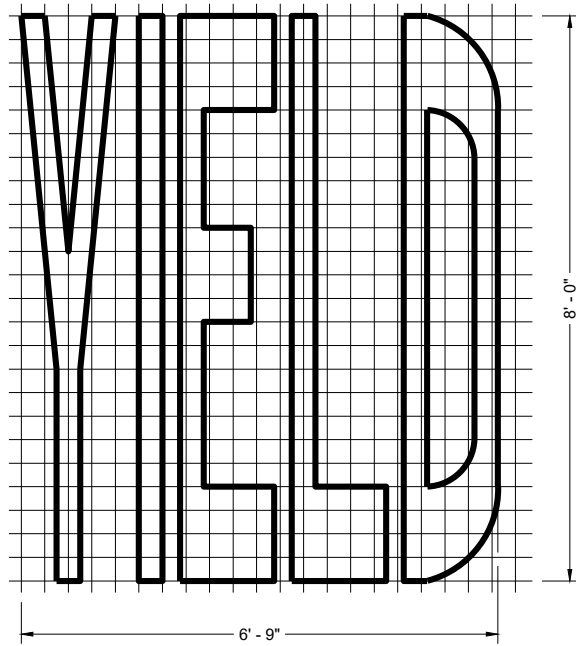
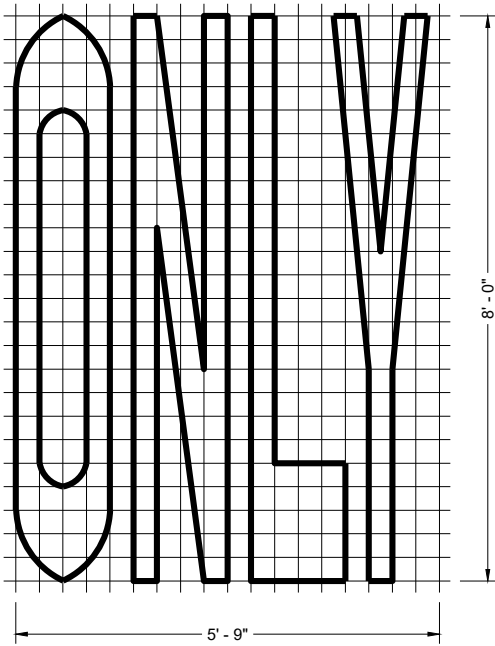
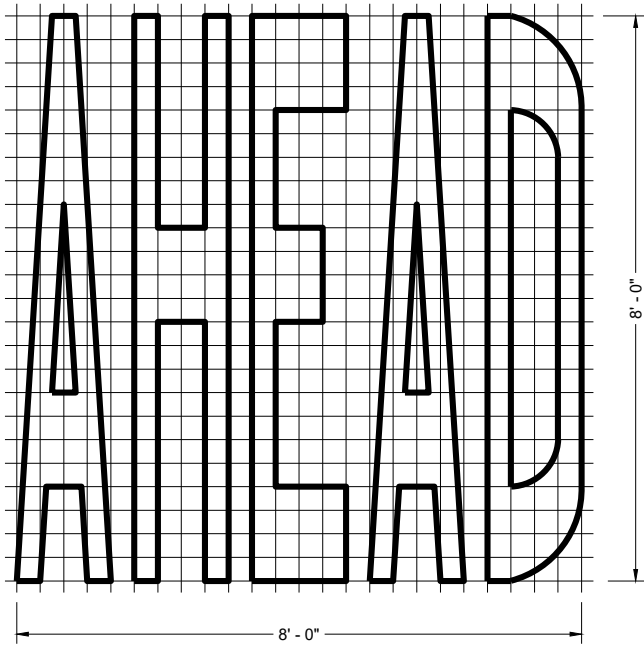
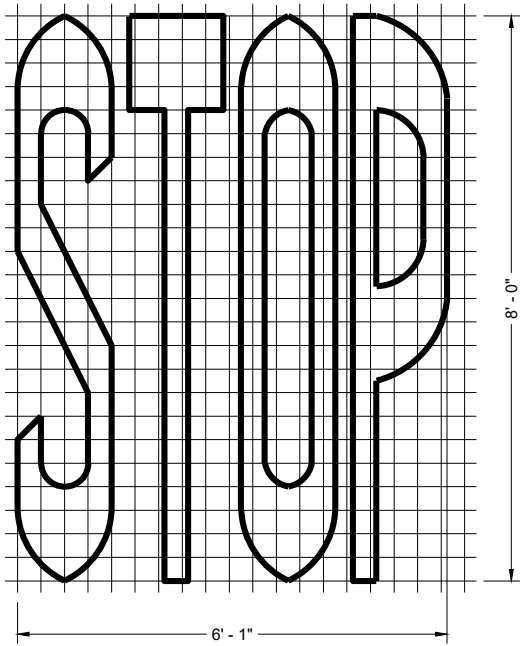
SECTION 22 LINCOLN COUNTY STH 86 PRICE/LINCOLN CO LINE TO TOMAHAWK		SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH	
ROUTE	NEAREST CROSSROAD	YELLOW CENTERLINE LF	WHITE EDGE LINE RIGHT LF
STH 86	Price Co Line to Wi River Bridge	80,627	152,981
TOTAL		233,608	

SECTION 21 WOOD AND JUNEAU COUNTIES STH 80 STH 21 TO SUNSET RD		646.6120 STOP LINE EPOXY 18-INCH WHITE	SPV.0090.01 MARKING LINE DOUBLE DROP EPOXY 6-INCH		SPV.0090.02 MARKING LINE DOUBLE DROP EPOXY 10-INCH WHITE
ROUTE	NEAREST CROSSROAD	MAINLINE LF	YELLOW CENTERLINE LF	WHITE EDGE LINE RIGHT LF	RIGHT LANE LF
STH 80	STH 21 to Sunset Rd		107,755	209,647	
	STH 173 SB	50			349
	STH 173 NB	32			100
SUBTOTAL		82	107,755	209,647	449
TOTAL		82	317,402		449

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED.

Standard Detail Drawing List

15C07-16B	PAVEMENT MARKING WORDS
15C07-16C	PAVEMENT MARKING ARROWS
15C07-16D	ROUNDBOUT ARROWS
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-24C	PAVEMENT MARKING (TURN LANES)
15C08-24D	PAVEMENT MARKING (TURN LANES)
15C09-13A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C09-13B	TRUCK STOPPING LANE PAVEMENT MARKINGS
15C11-11B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-09A	MEDIAN ISLAND PAVEMENT MARKINGS
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C18-09C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C19-11A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-11B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-11C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C31-08A	PAVEMENT MARKING EXIT RAMP AND PARALLEL EXIT RAMP
15C31-08B	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-08C	PAVEMENT MARKING ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP
15C31-08D	PAVEMENT MARKING LANE DROP AND LANE REDUCTION
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15C35-06B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15C35-06C	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15D12-16A	TRAFFIC CONTROL, LANE CLOSURE
15D20-11A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-11B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-11C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D27-05	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D37-03	TRAFFIC CONTROL, 2-LANE ROUNDBOUT
15D43-03	TRAFFIC CONTROL, SHORT DURATION MOBILE OPERATIONS
15D50-04A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-04B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT
15D51-02	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY



SINGLE LANE

TWO - LANE

GENERAL NOTES

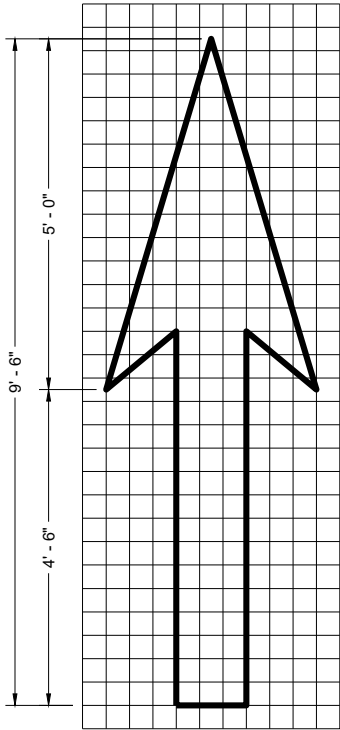
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PAVEMENT MARKING WORDS

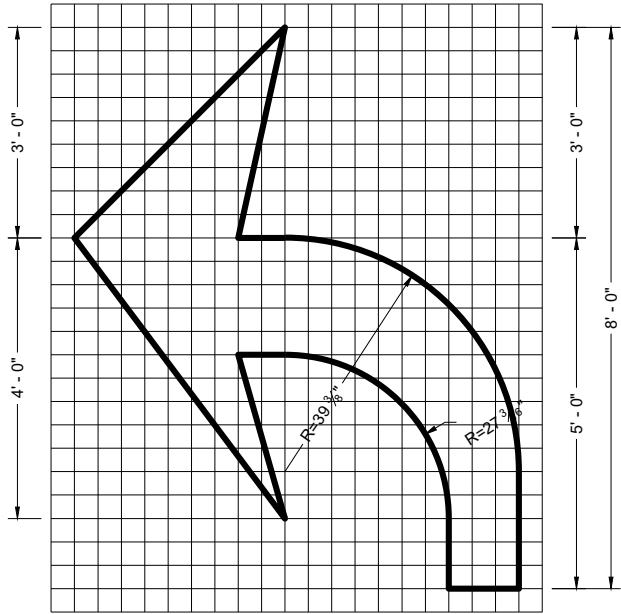
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 /S/ Jeannie Silver
DATE STATE SIGNING AND MARKING ENGINEER

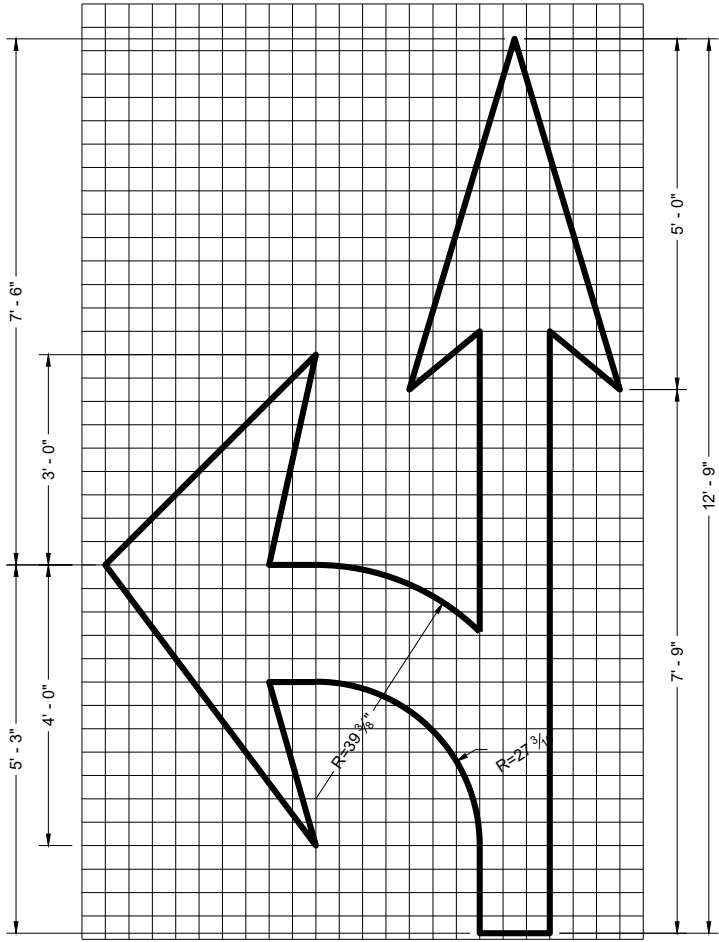
FHWA



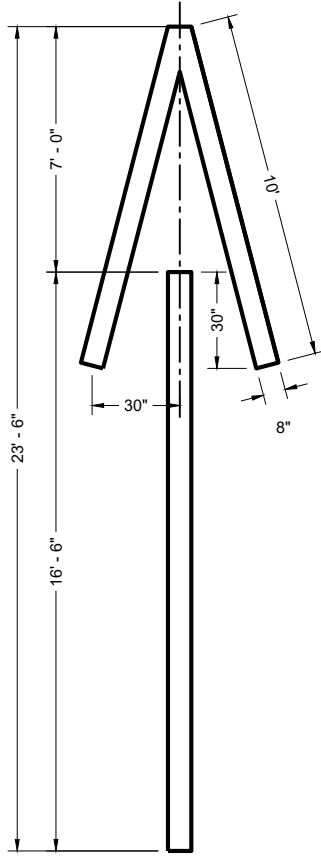
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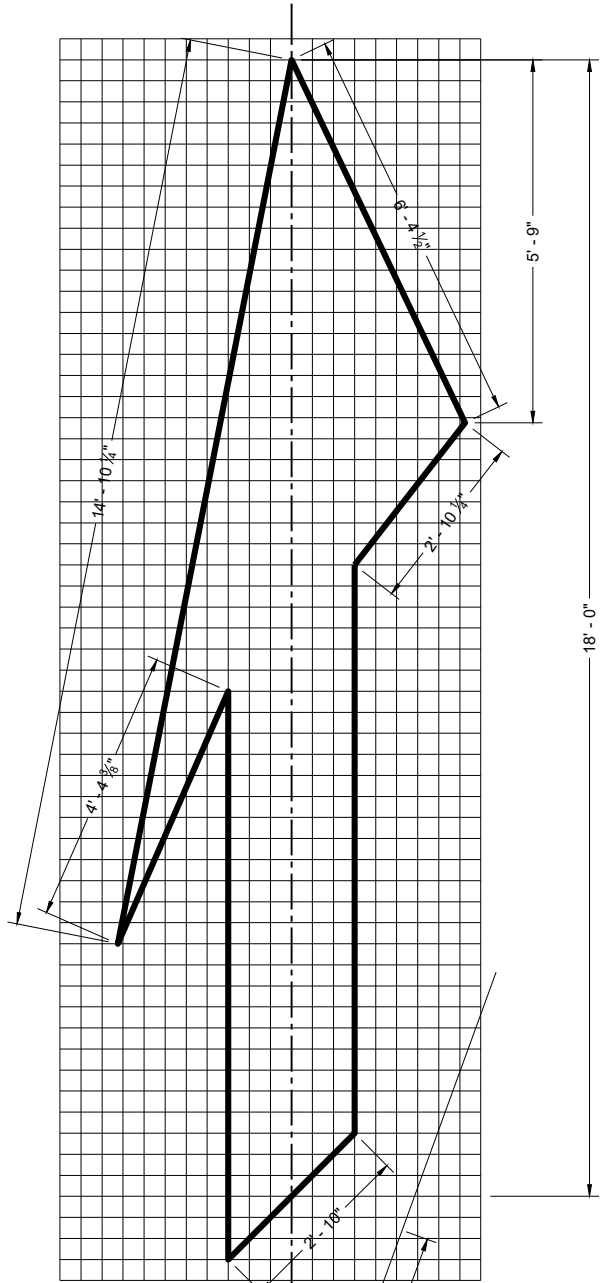
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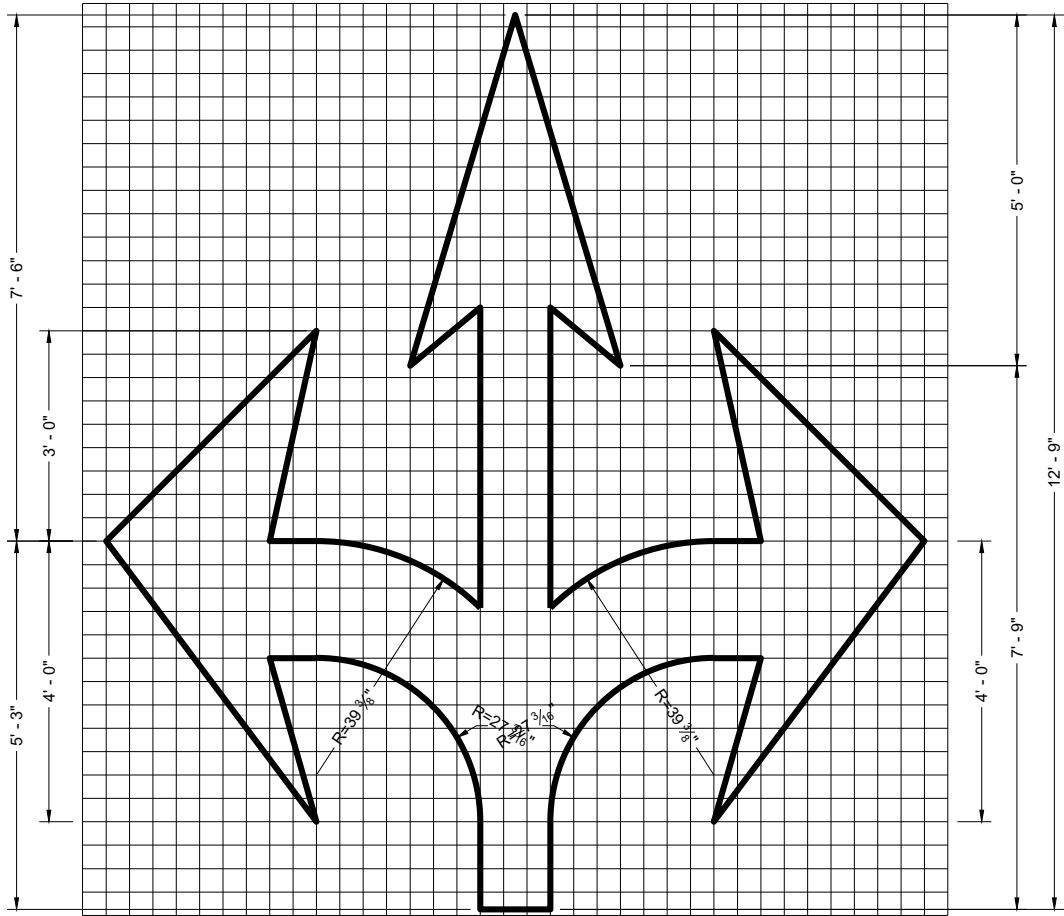
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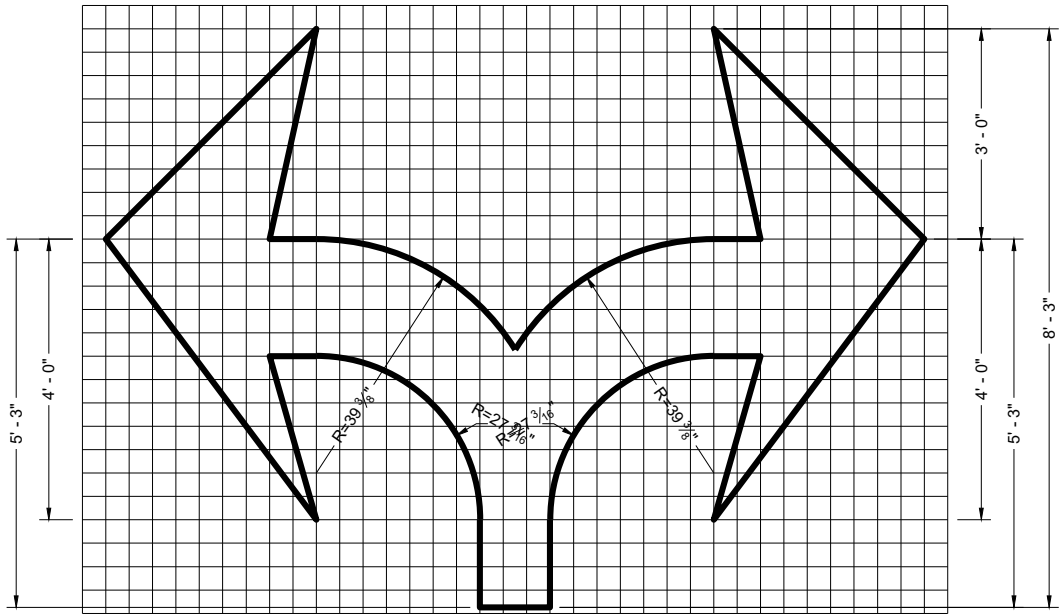
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

GENERAL NOTES

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

PAVEMENT MARKING ARROWS

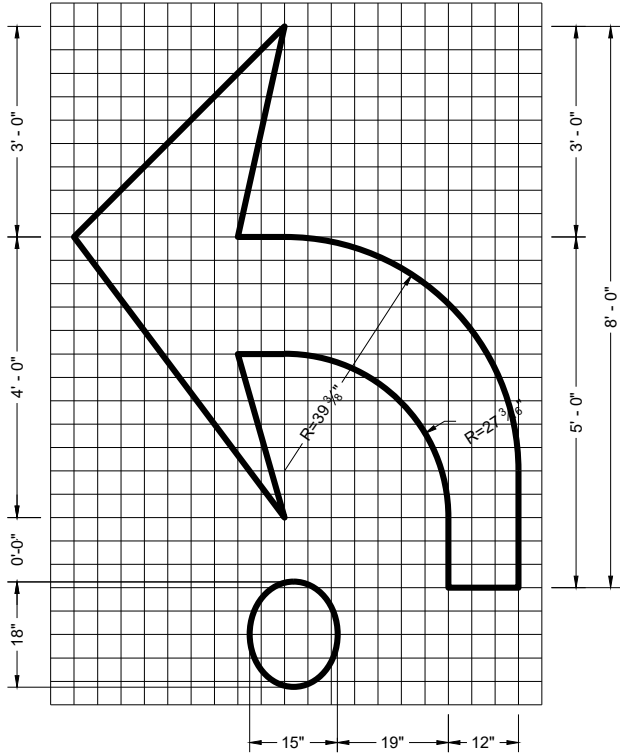
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 /S/ Jeannie Silver
DATE STATE SIGNING AND MARKING ENGINEER

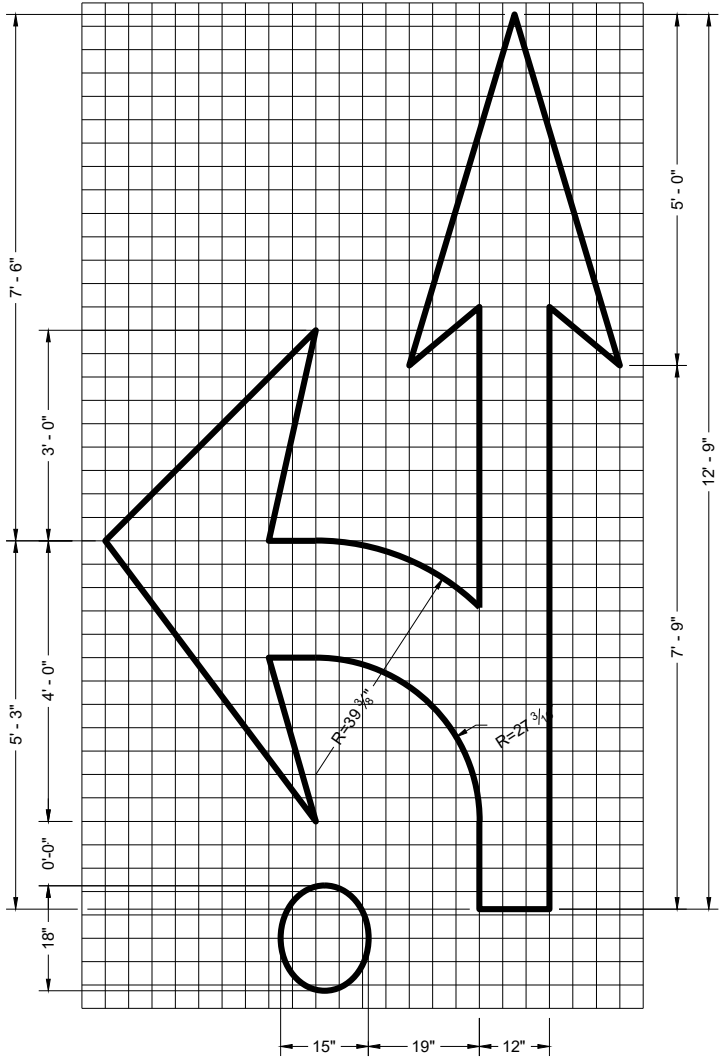
FHWA

GENERAL NOTES

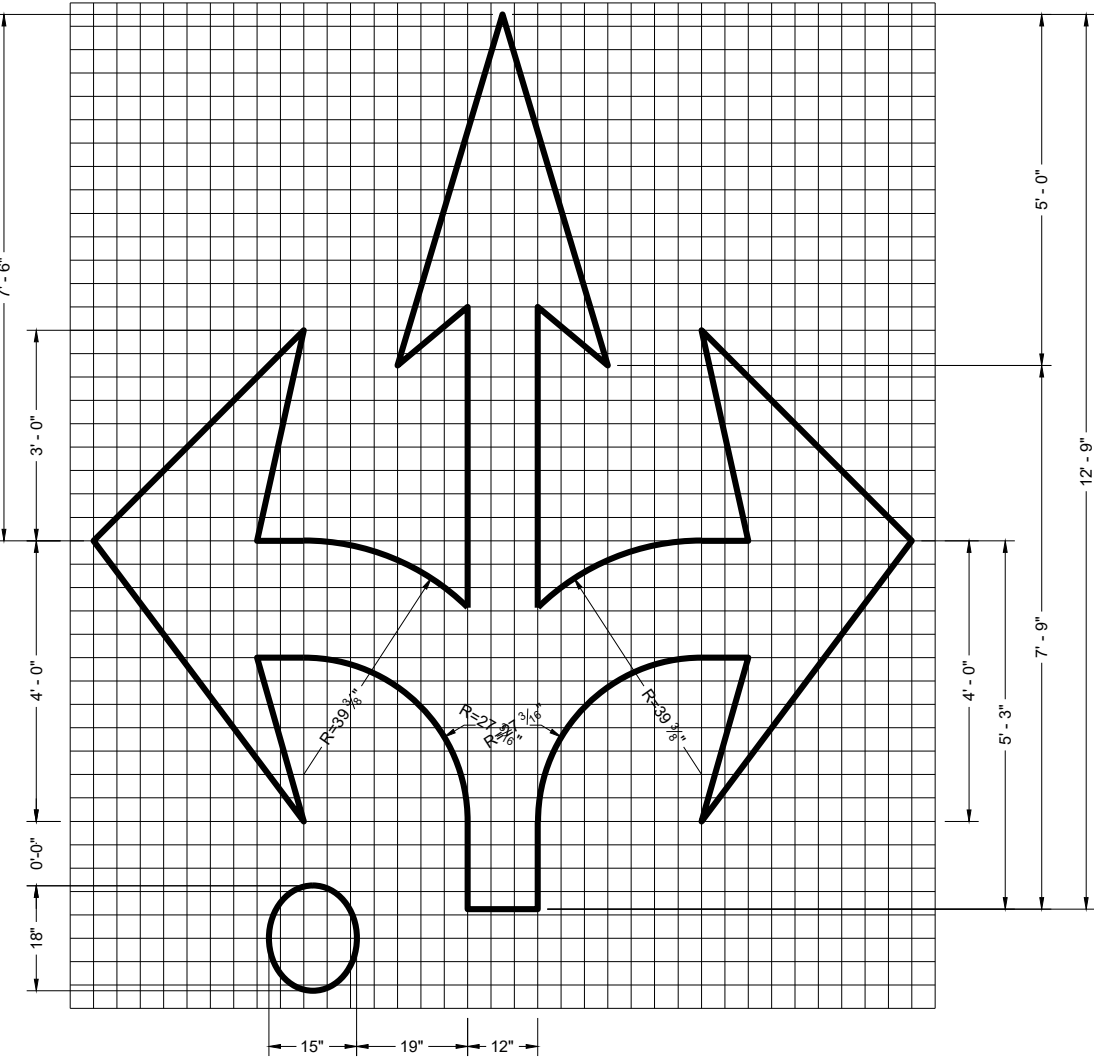
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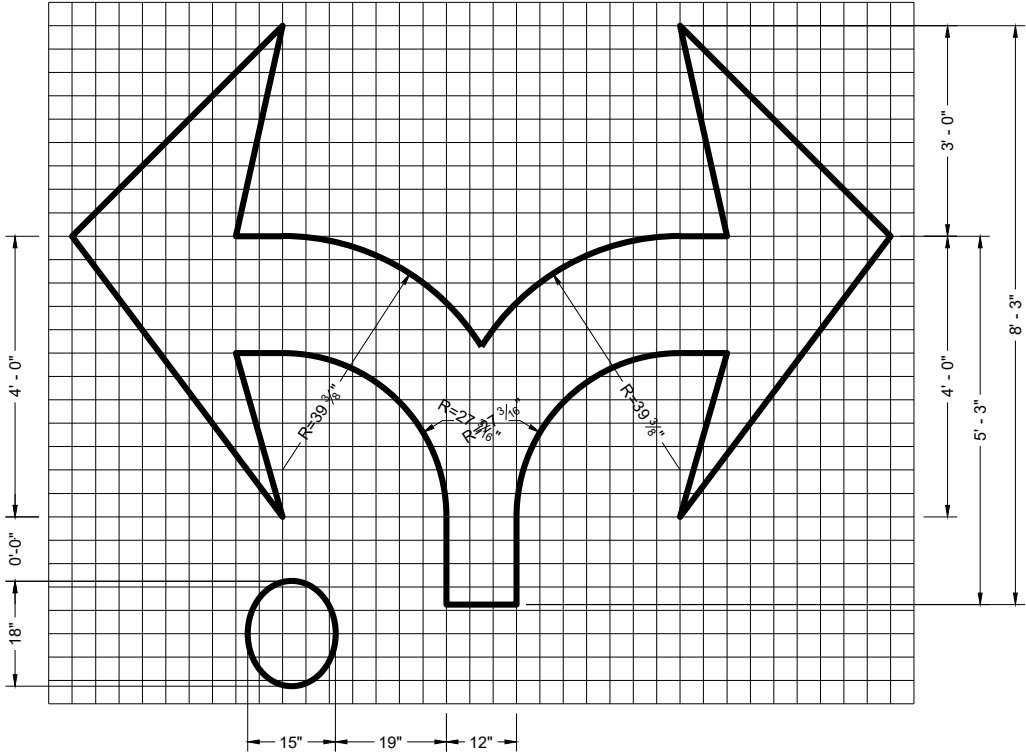
TYPE 2R



TYPE 3R

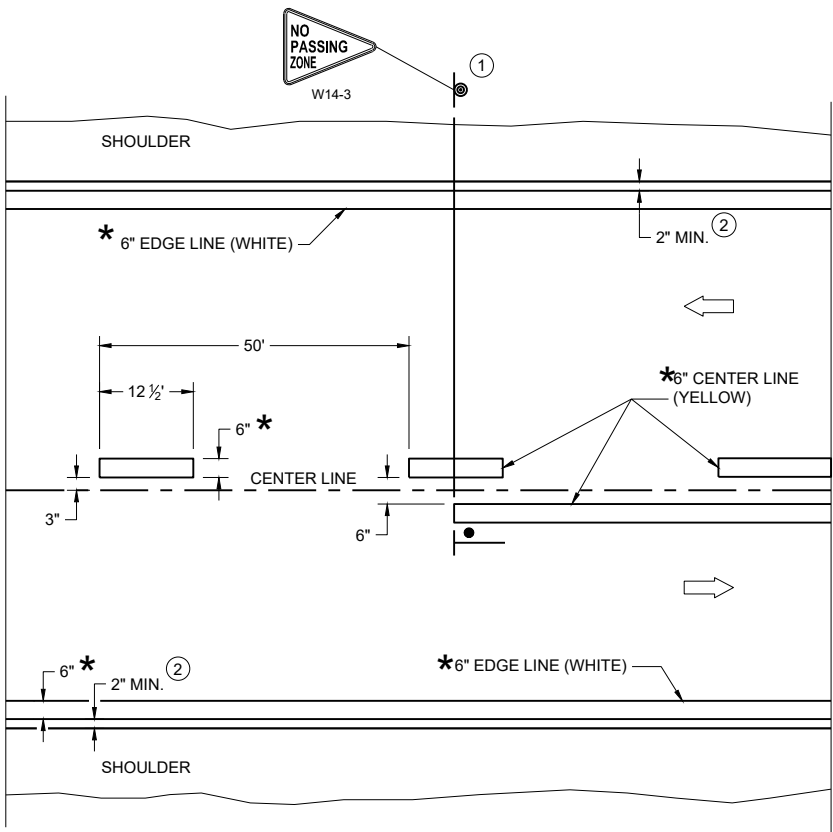


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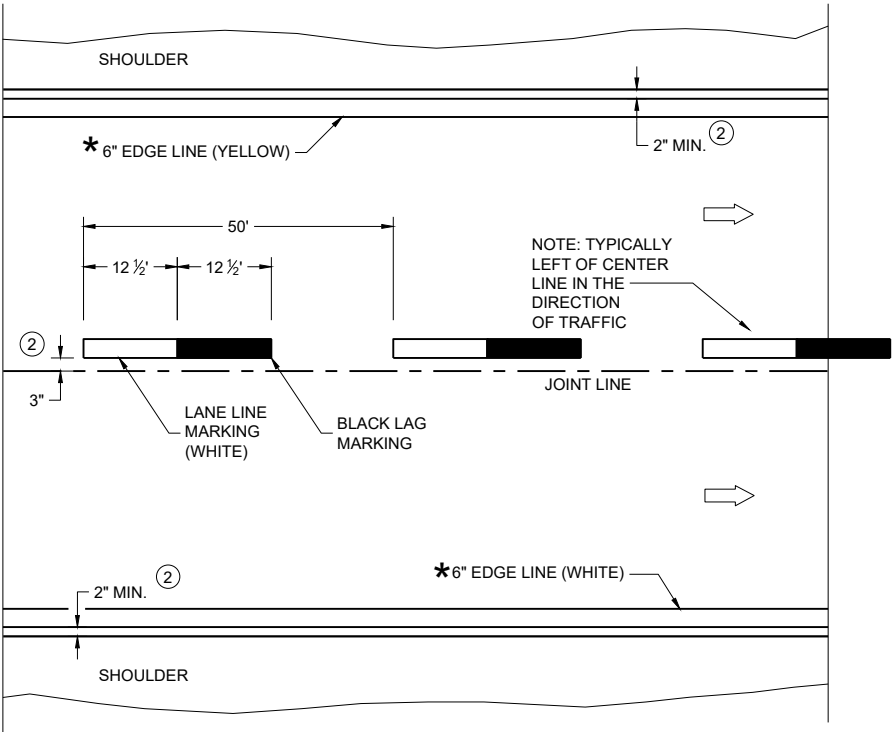


TYPE 7R

ROUNDABOUT MARKING ARROWS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2024 DATE	/S/ Jeannie Silver STATE SIGNING AND MARKING ENGINEER
FHWA	



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

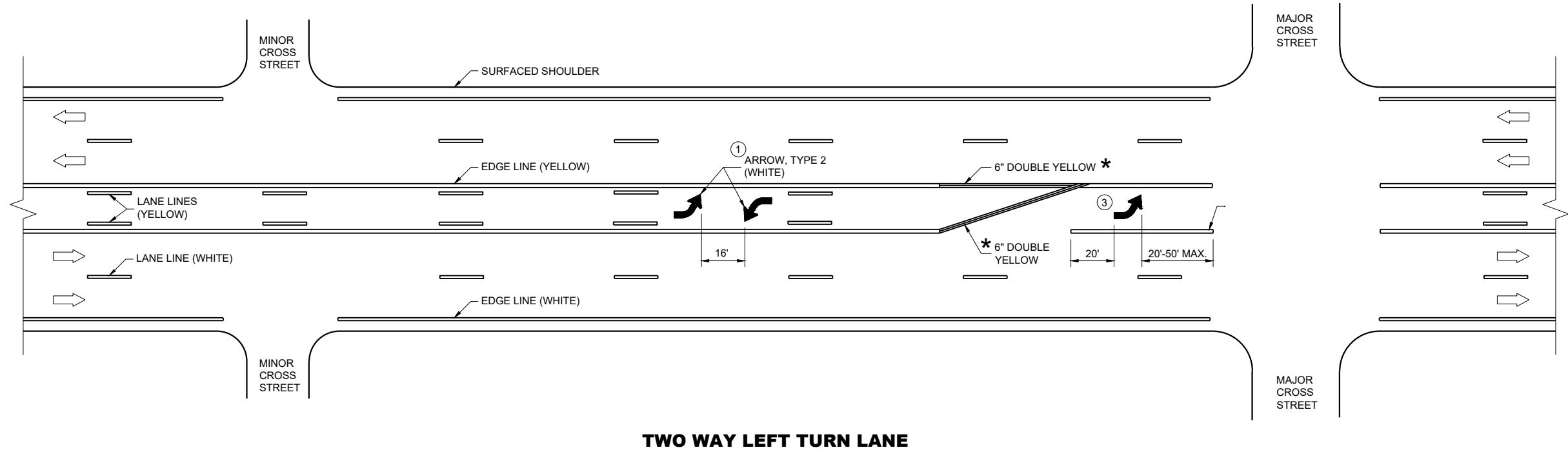
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- ① LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
- ② MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

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

PERMANENT LONGITUDINAL PAVEMENT MARKINGS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED December 2024 DATE	/S/ Jeannie Silver Statewide Pavement Marking Engineer
FHWA	



GENERAL NOTES

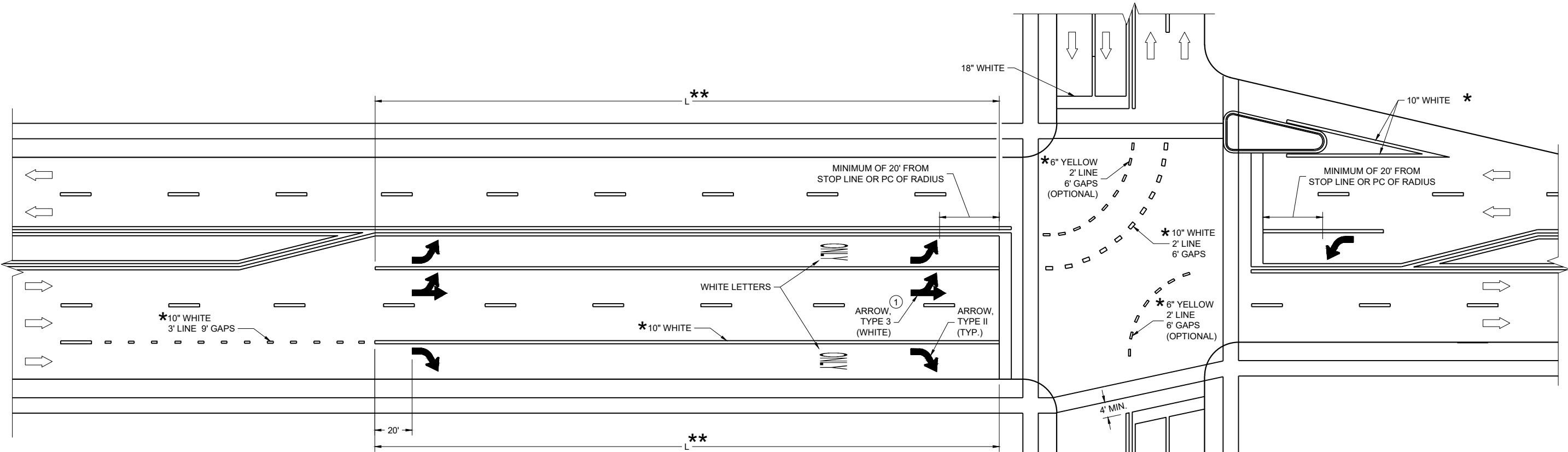
- ① A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- ② 10" WHITE
- ③ TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

➡ DIRECTION OF TRAFFIC

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

**PAVEMENT MARKING
(TURN LANES)**

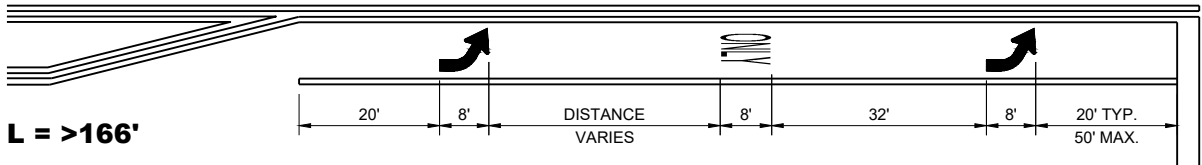
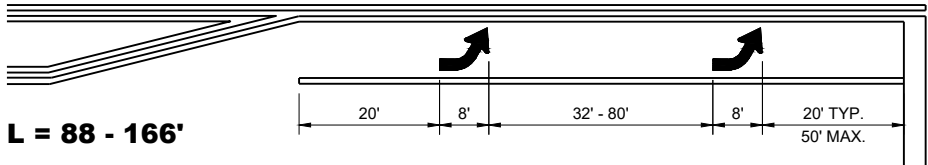
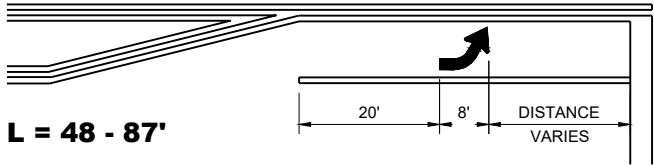
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



GENERAL NOTES

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

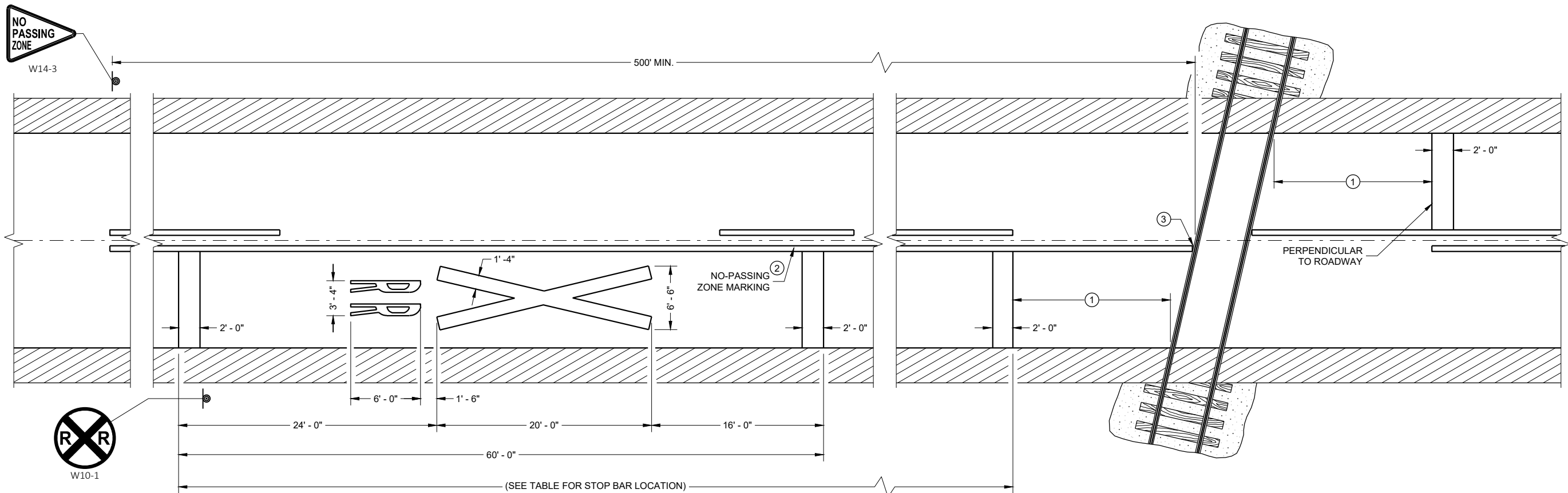
➡ DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING
(TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PAVEMENT MARKING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

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

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

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

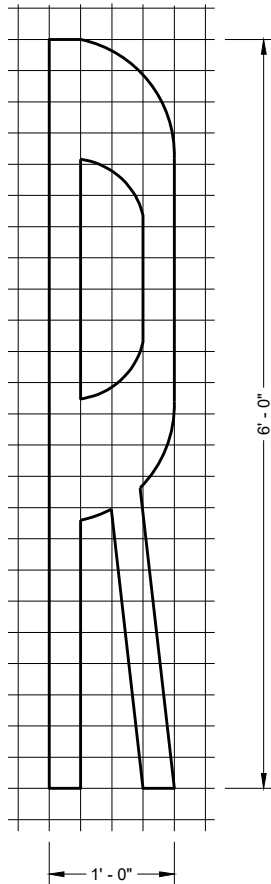
- ① PLACE STOP BAR APPROXIMATELY 8 FEET IN ADVANCE OF THE GATE (IF PRESENT), BUT NO CLOSER THAN 15 FEET IN ADVANCE OF THE NEAREST RAIL. FIELD-FIT STOP BAR TO MAXIMIZE VIEW OF APPROACHING TRAIN.
- ② 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.
- ③ FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

DISTANCE TABLE

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

POSTED SPEED (M.P.H.)	DIMENSION RANGE (FEET)
25	150* - 250'
30	200* - 300'
35	250* - 450'
40	300* - 500'
45	400* - 650'
50	550* - 800'
55	750* - 1000'
60	1000* - 1250'
65	1000* - 1250'

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



SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

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

FHWA

LEGEND

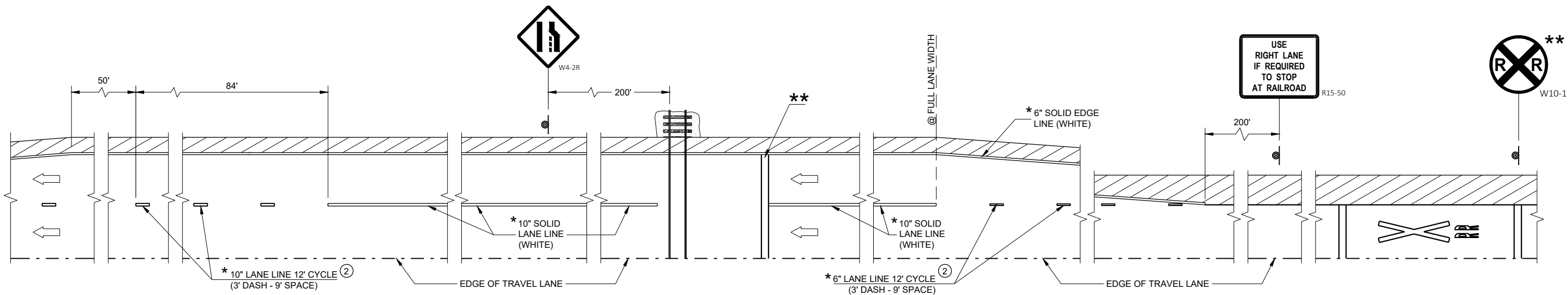
-  SIGN ON PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC

GENERAL NOTES

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

- ① INSTALLED FOR EXPRESSWAYS
- ② 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

****** SEE SDD 15C09-a, "SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSING" FOR LOCATION OF ADVANCE MARKINGS.



DETAIL FOR TRUCK STOPPING LANE PAVEMENT MARKINGS

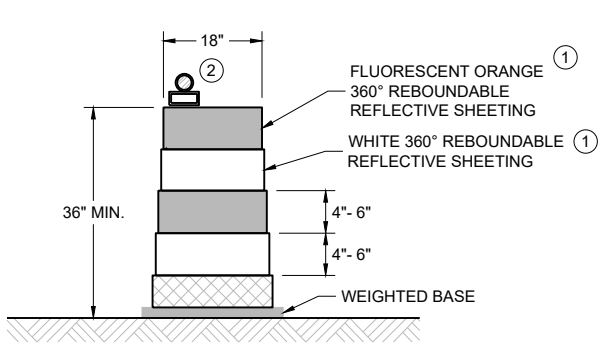
TRUCK STOPPING LANE
PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

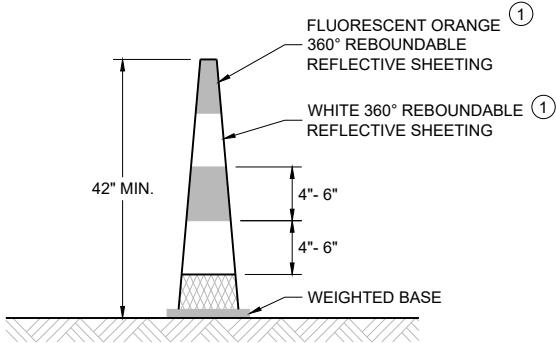
APPROVED
May 2023
DATE

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

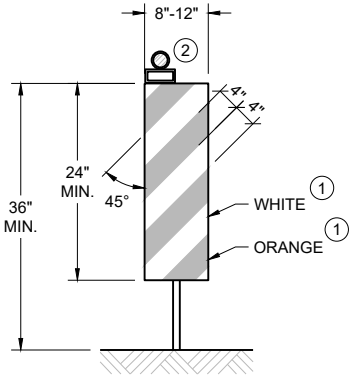
FHWA



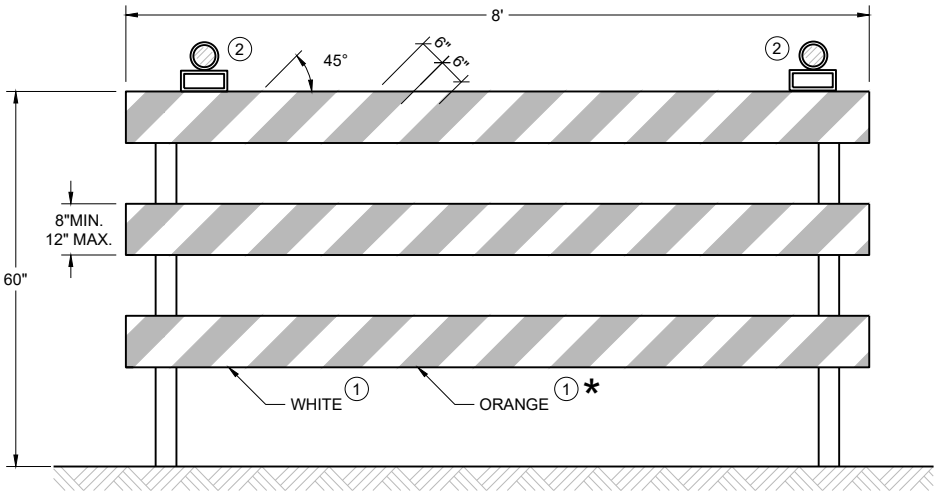
DRUM
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE
DO NOT USE IN TAPERS
½ SPACING OF DRUMS
BALLAST WIDTHS
RANGE FROM 14"-20"



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



TYPE III 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.

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.

**CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2026 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER

FHWA

LEGEND

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

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.

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

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND 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.

FLAGGING

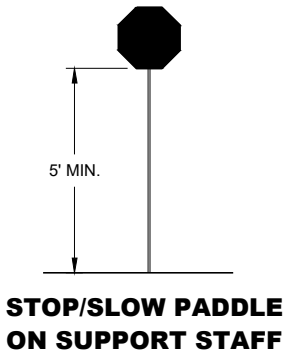
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- ① FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' 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.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

- UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.
- ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER
- ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.
- INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.
- PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.
- DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

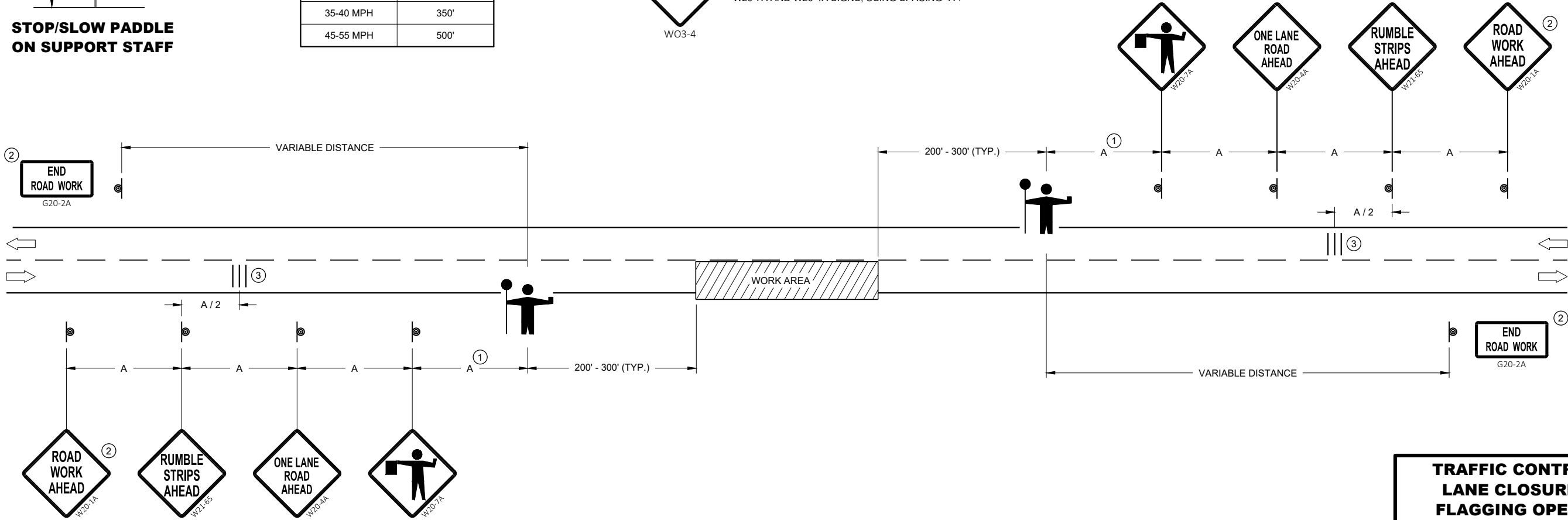


SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

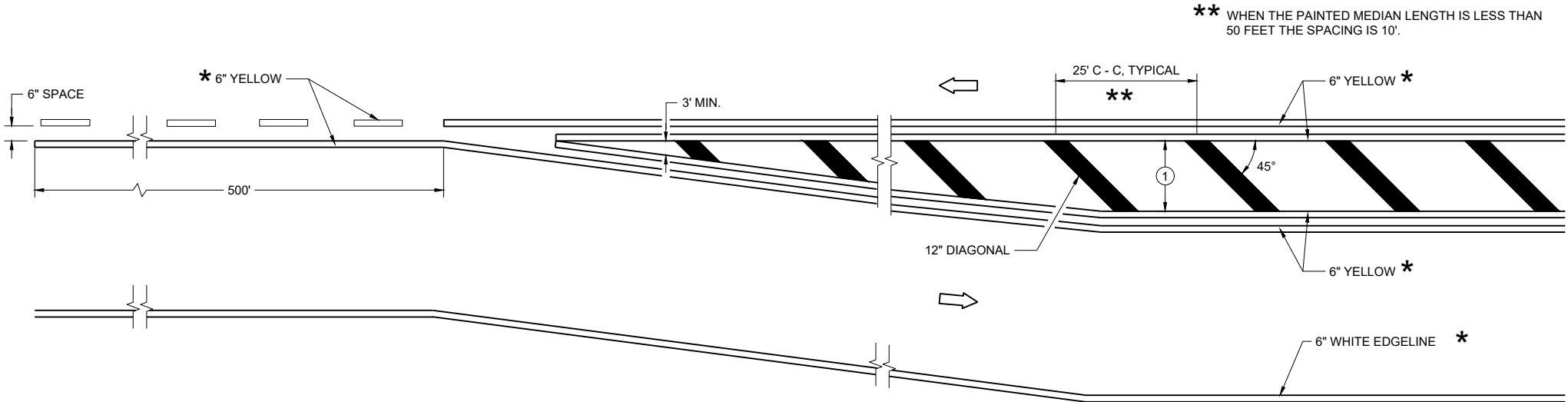
SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



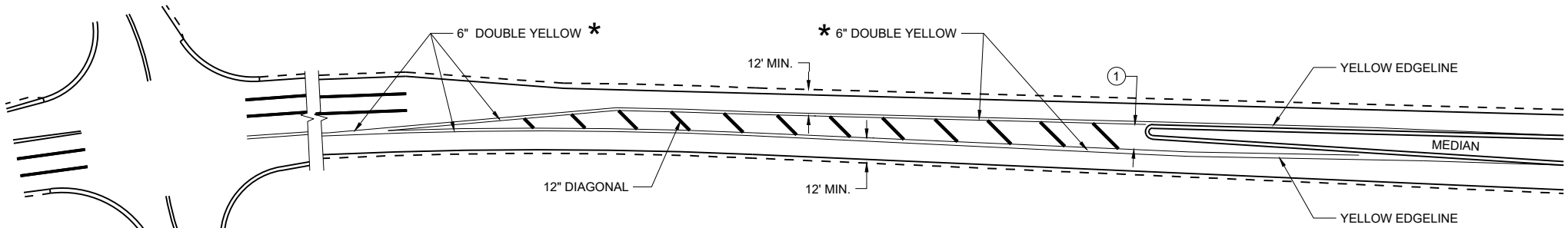
USE OF W03-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



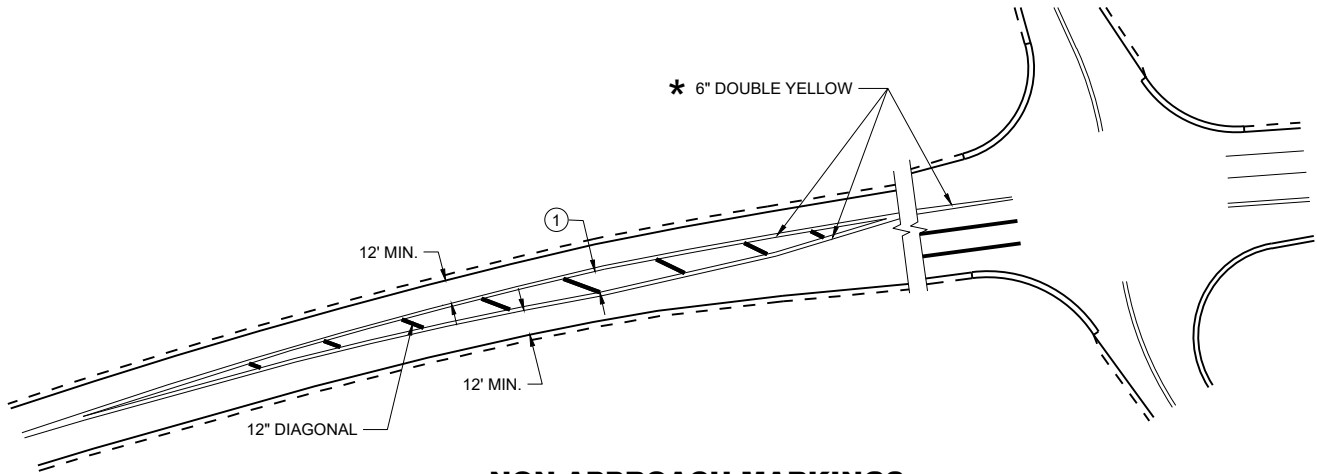
TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2022 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	



MEDIAN ISLAND DETAIL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

GENERAL NOTES

- ① DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

➡ DIRECTION OF TRAVEL

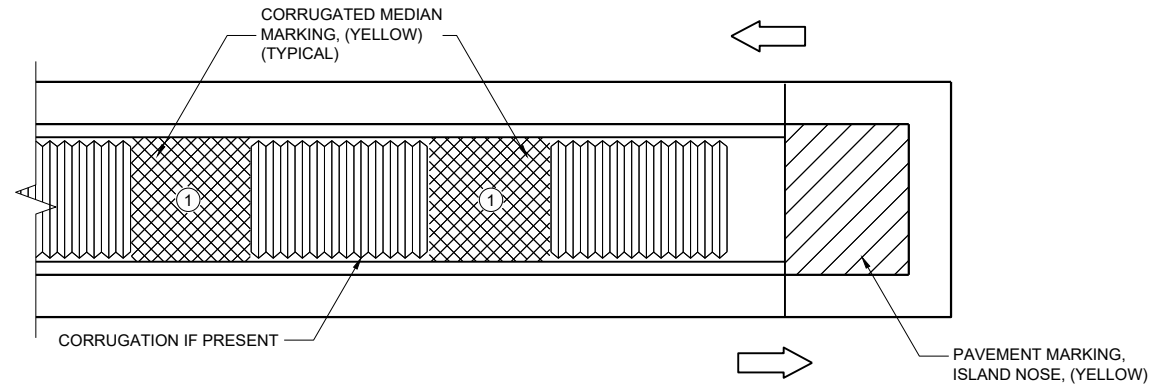
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

MEDIAN ISLAND
PAVEMENT MARKINGS

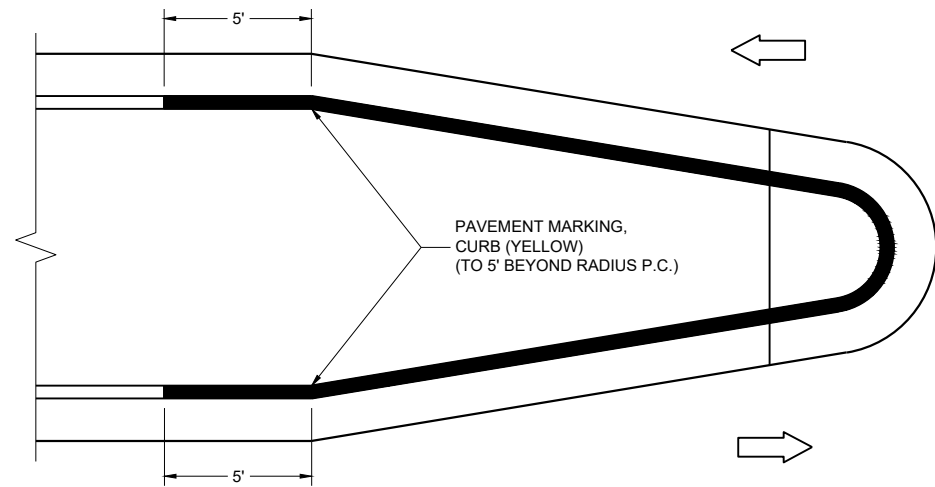
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024 /S/ Jeannie Silver
DATE Statewide Pavement Marking Engineer

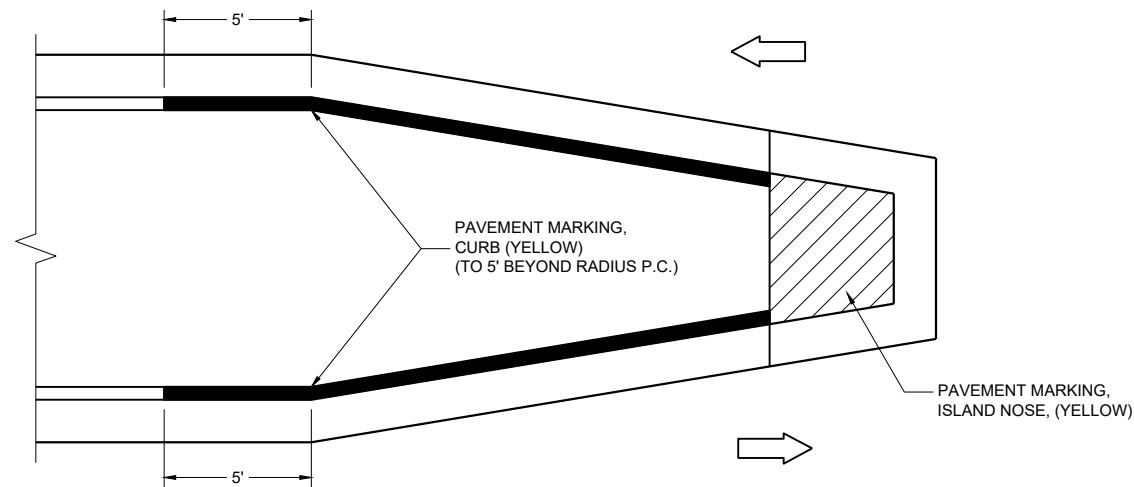
FHWA



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

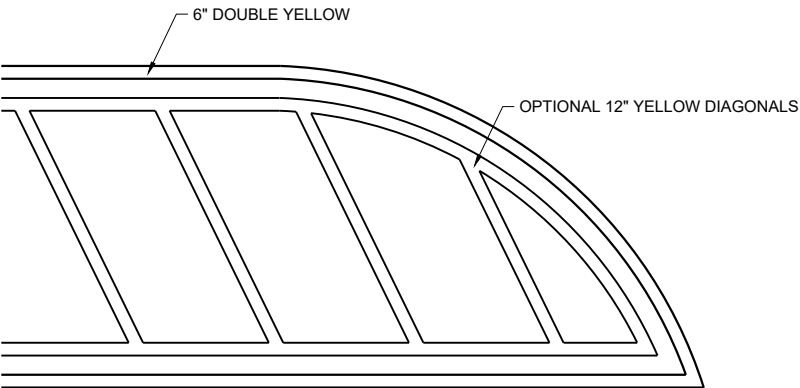
TYPICAL PLACEMENT OF
PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

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

① APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

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



FLUSH MEDIAN ISLAND NOSE

PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024 /S/ Jeannie Silver
DATE Statewide Pavement Marking Engineer

FHWA

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED

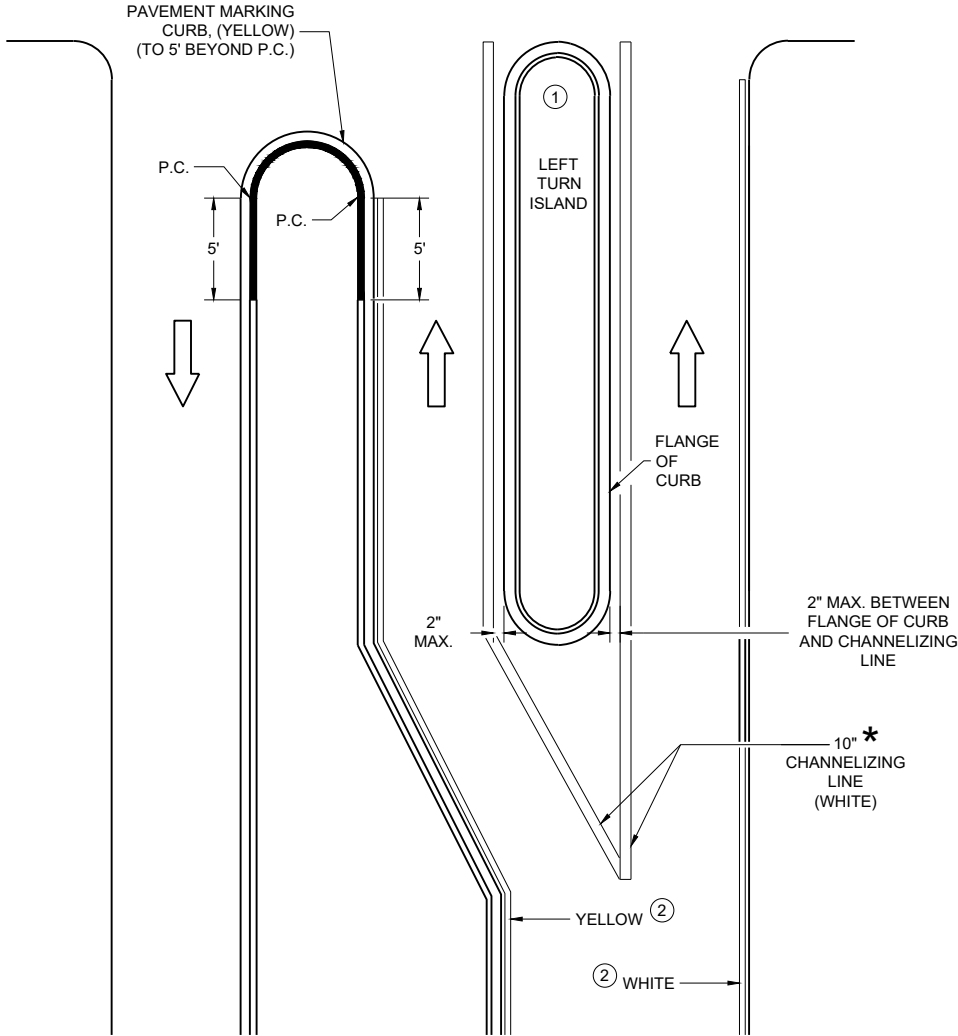
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

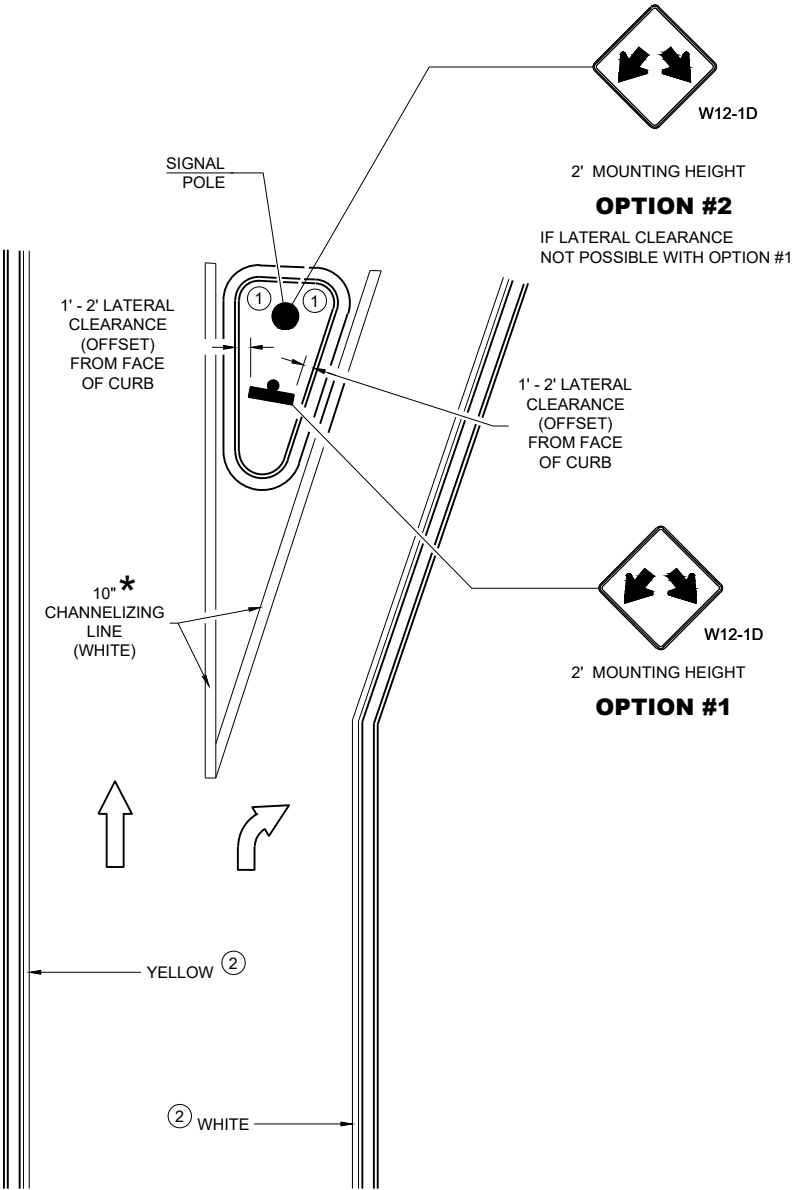
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.
SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

- ① MARK CURB NOSES YELLOW.
- ② MARK ACCORDING TO TABLE.
- ③ CHEVRON MAY BE OMITTED IF LESS THAN 4" WIDE

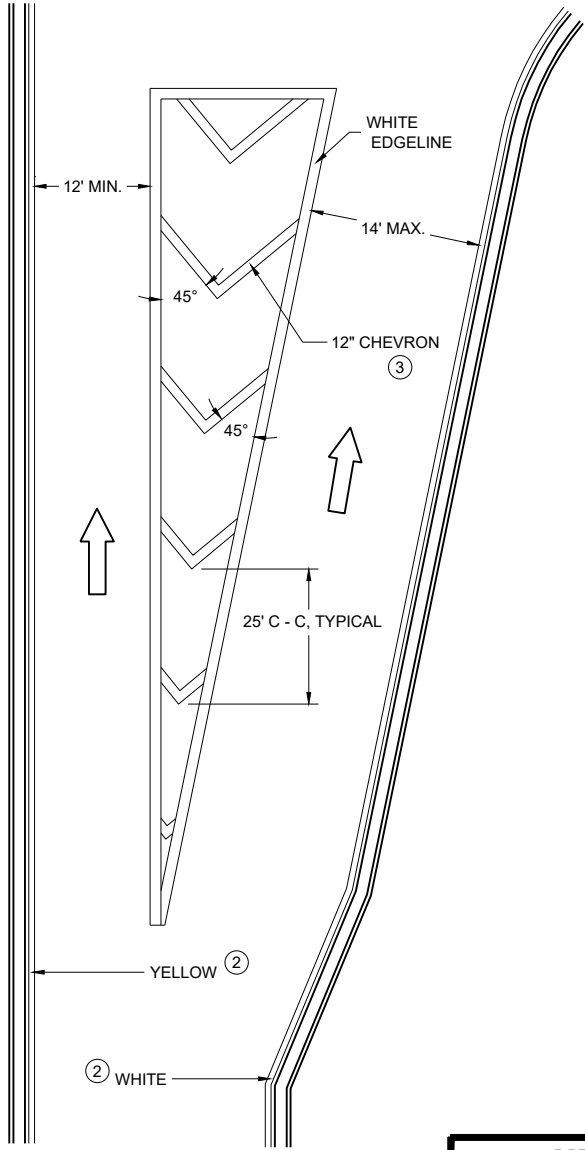
 DIRECTION OF TRAVEL



LEFT TURN & MEDIAN ISLAND



RIGHT TURN ISLAND



TURN LANE DETAIL

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024 /S/ Jeannie Silver
DATE Statewide Pavement Marking Engineer

FHWA

LEGEND

- V1

LEAD VEHICLE
- V2

MARKING VEHICLE
- V3

SHADOW VEHICLE
- 

TRUCK MOUNTED ATTENUATOR (TMA)
- 

SIGN ON TEMPORARY SUPPORT
- 

DIRECTION OF TRAFFIC

GENERAL NOTES

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

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

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

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

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

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH

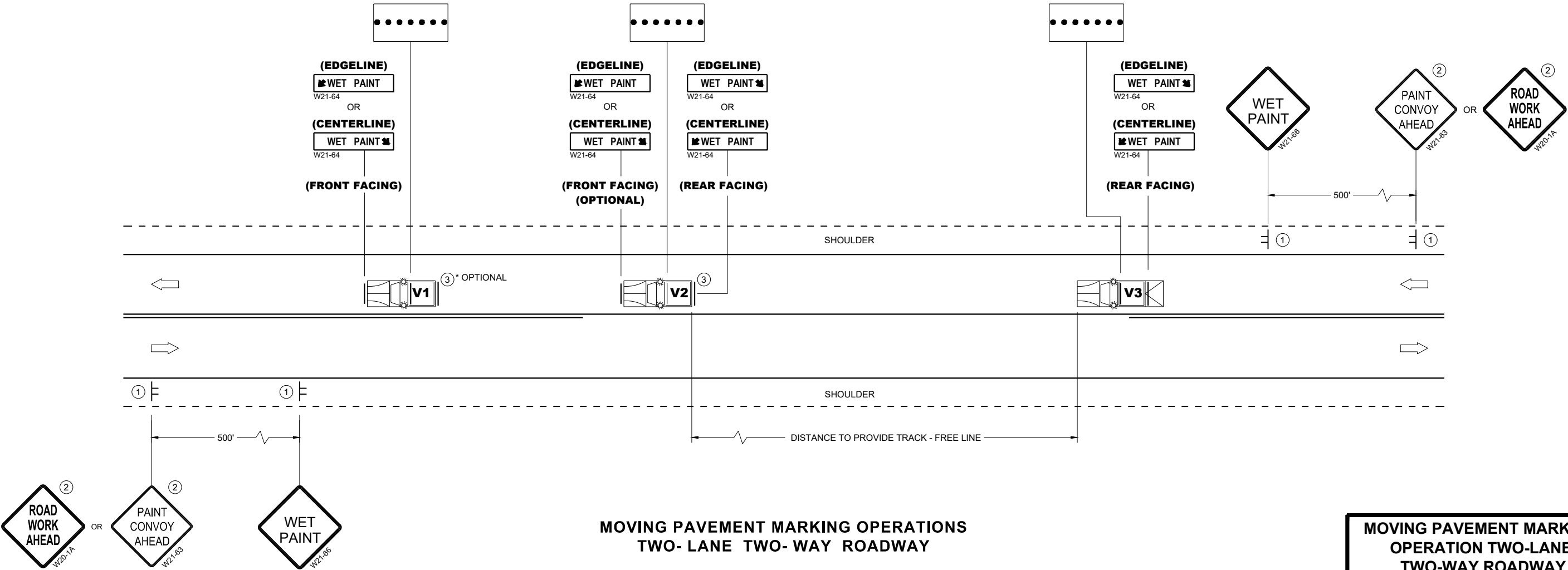
WORKERS SHALL NOT PERFORM WORK FROM ANY SHADOW OR PROTECTION VEHICLES.

UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

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

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

- ① SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY MAJOR INTERSECTION.
- ② IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.
- ③ V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2025 DATE	/S/ Andrew Heidtke STATE ELECTRICAL ENGINEER
FHWA	

LEGEND

- V1

LEAD VEHICLE
- V2

MARKING VEHICLE
- V3

SHADOW VEHICLE
- 

TRUCK MOUNTED ATTENUATOR (TMA)
- 

SIGN ON TEMPORARY SUPPORT
- 

DIRECTION OF TRAFFIC
- 

ARROW PANEL (CAUTION)

GENERAL NOTES

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

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

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

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

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

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

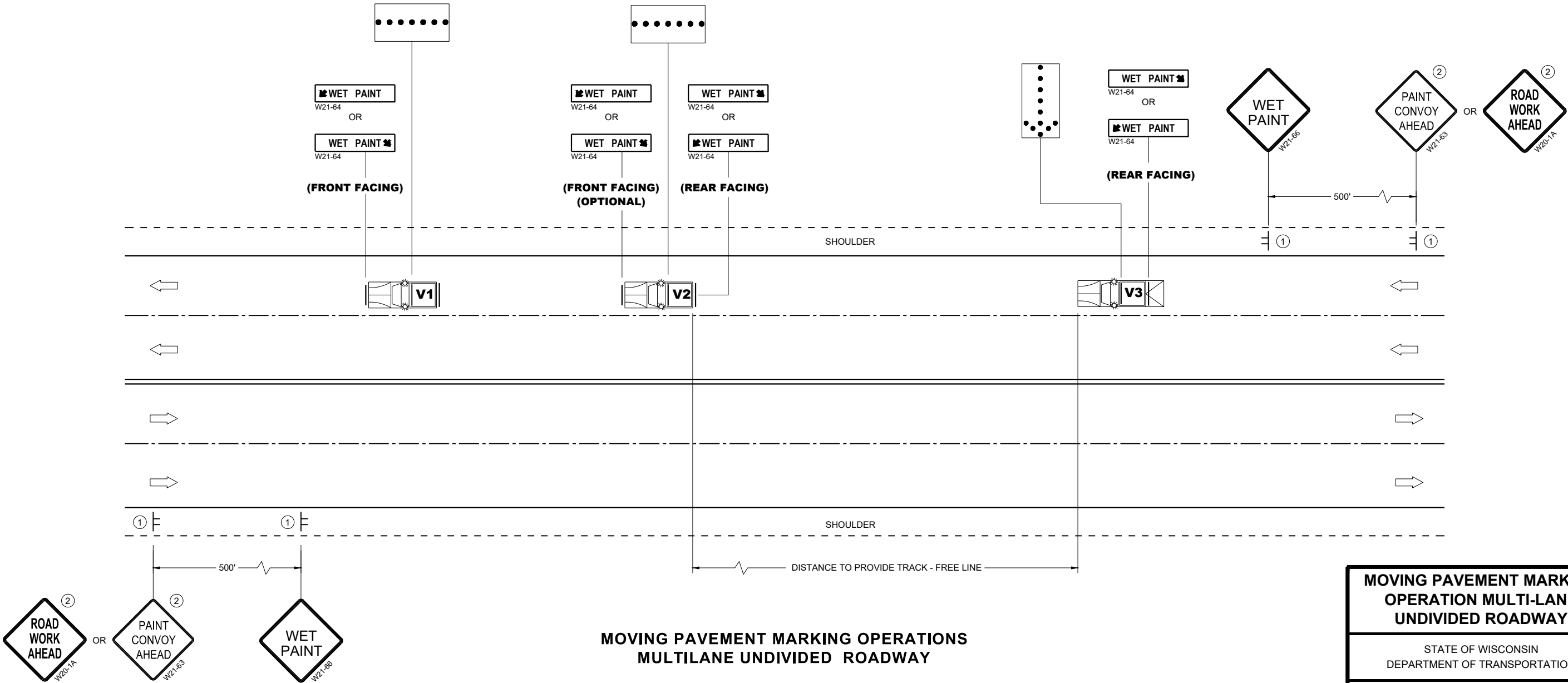
WORKERS SHALL NOT PERFORM WORK FROM ANY SHADOW OR PROTECTION VEHICLES.

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

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

CONES SHALL HAVE A MINIMUM HEIGHT OF 28" FOR WET PAVEMENT MARKINGS.

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

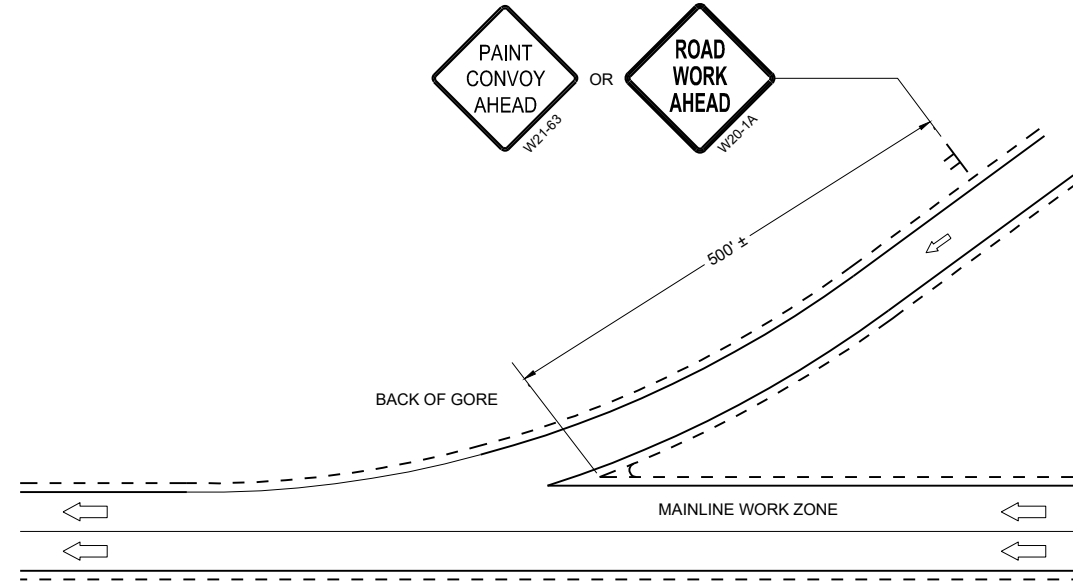


MOVING PAVEMENT MARKING
OPERATION MULTI-LANE
UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 /S/ Andrew Heidtke
DATE STATE ELECTRICAL ENGINEER
FHWA

V1	MARKING VEHICLE
V2	SHADOW VEHICLE
V3	TRAIL VEHICLE



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

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

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

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

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

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

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

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

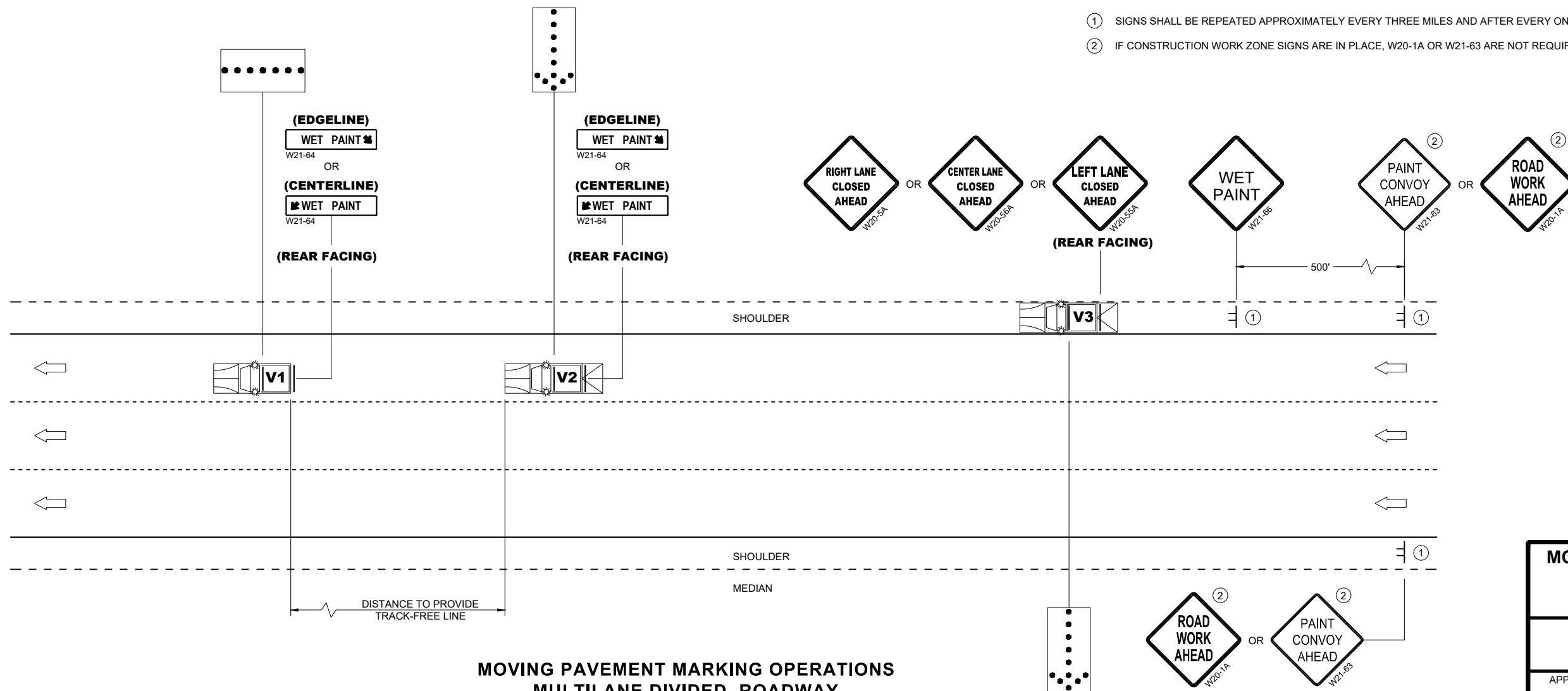
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

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

CONES SHALL BE A MINIMUM HEIGHT OF 28" FOR WET PAVEMENT MARKINGS

WORKERS SHALL NOT PERFORM WORK FROM ANY SHADOW OR PROTECTION VEHICLES.

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

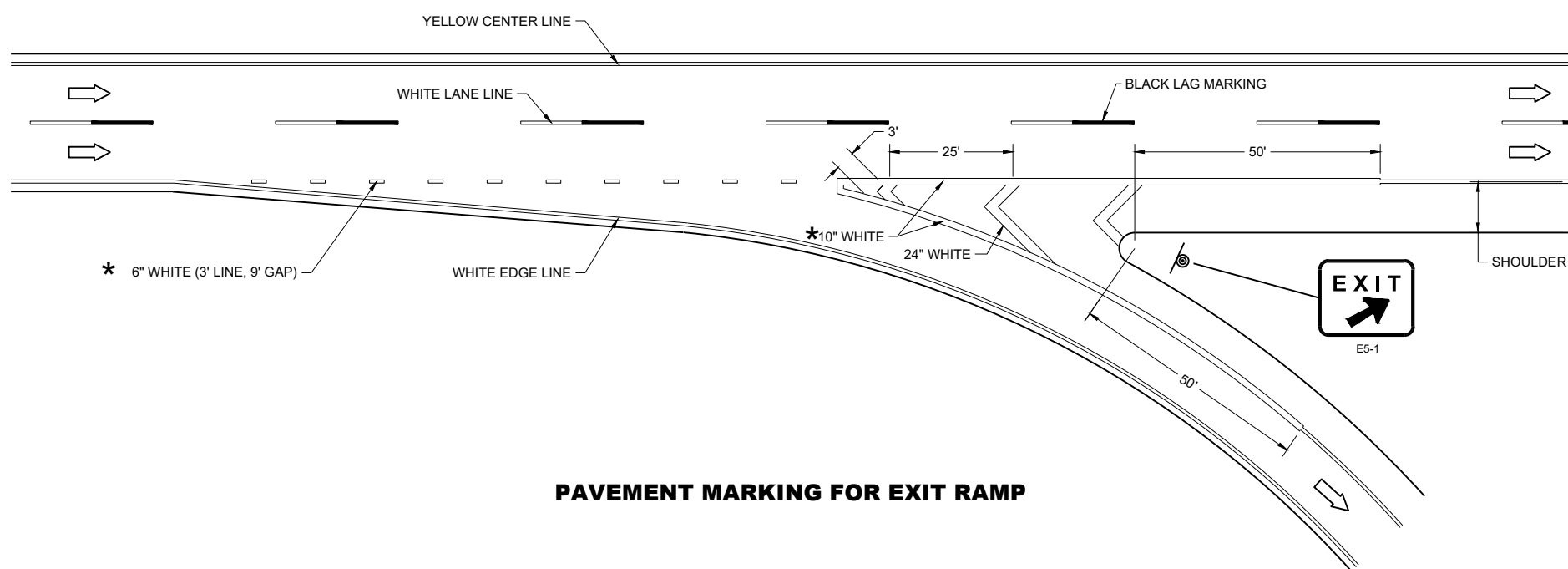


MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025
DATE

/S/ Andrew Heidtke
STATE ELECTRICAL ENGINEER



GENERAL NOTES

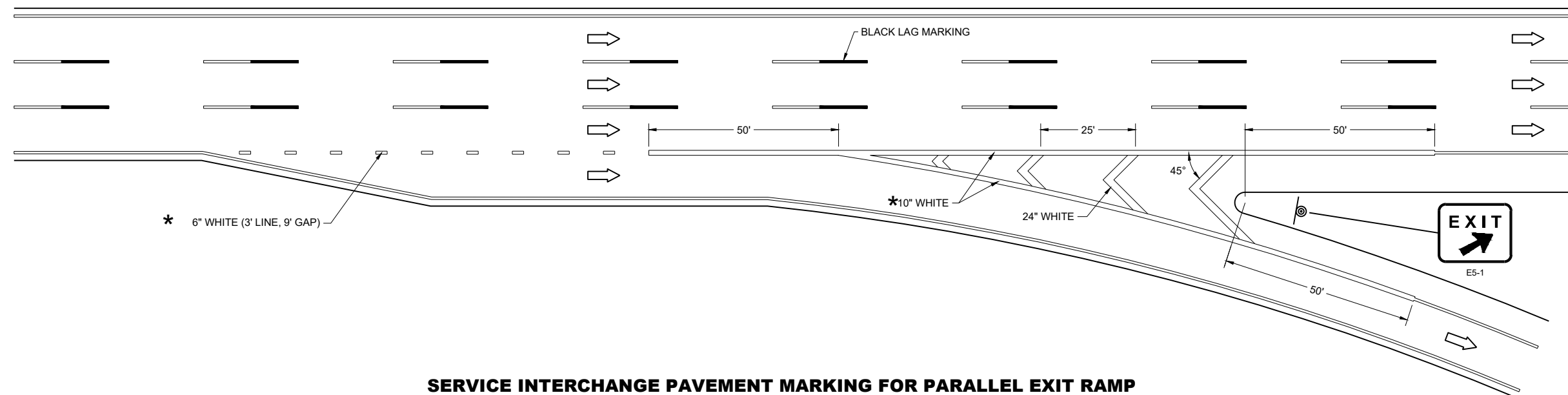
PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

 SIGN ON PERMANENT SUPPORT

 DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



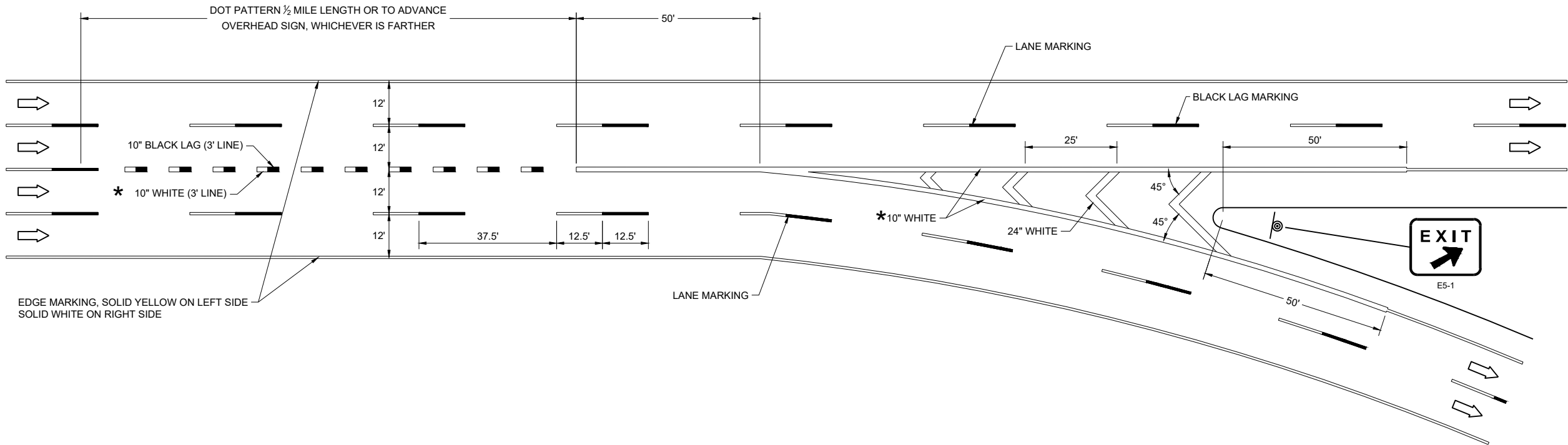
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



PAVEMENT MARKING,
MAJOR SPLIT
FREEWAY TO FREEWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

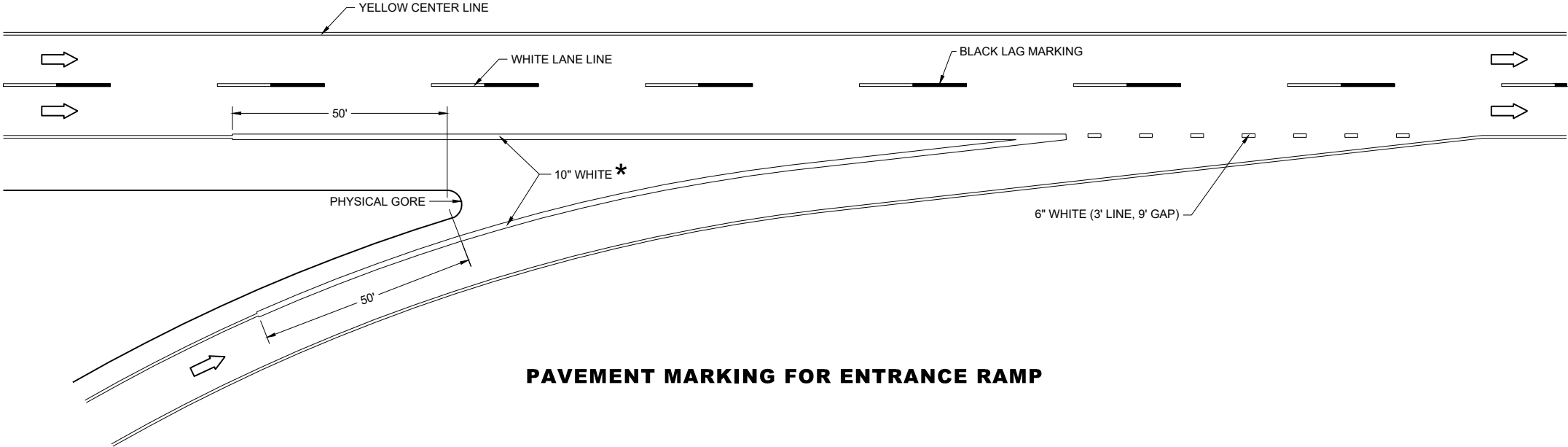
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

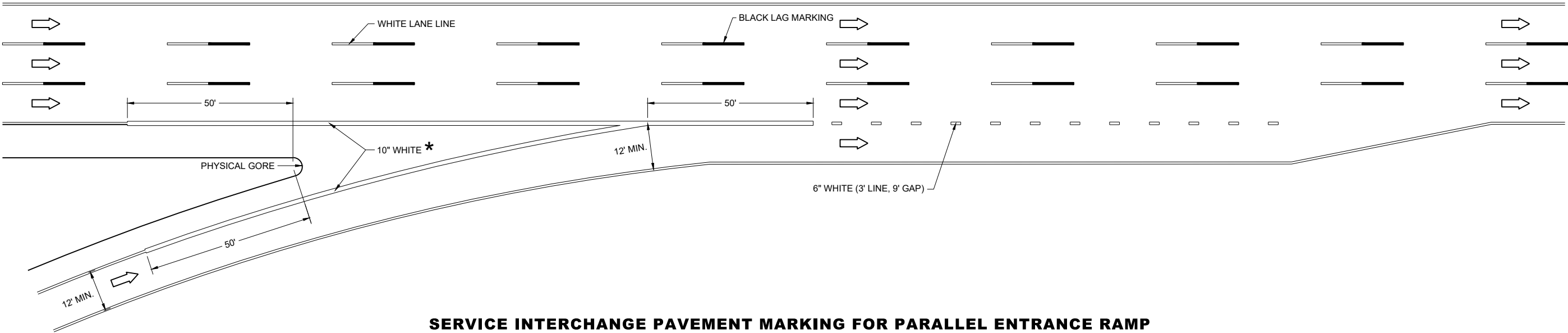
LEGEND

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



PAVEMENT MARKING FOR ENTRANCE RAMP



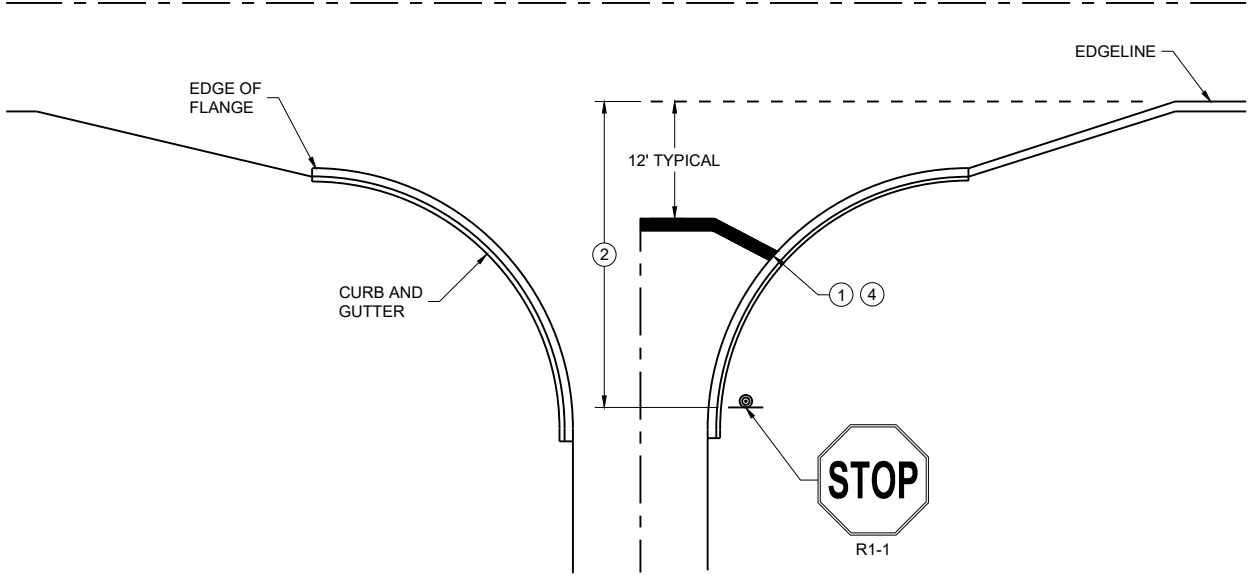
SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE RAMP

PAVEMENT MARKING,
ENTRANCE RAMP AND
PARALLEL ENTRANCE RAMP

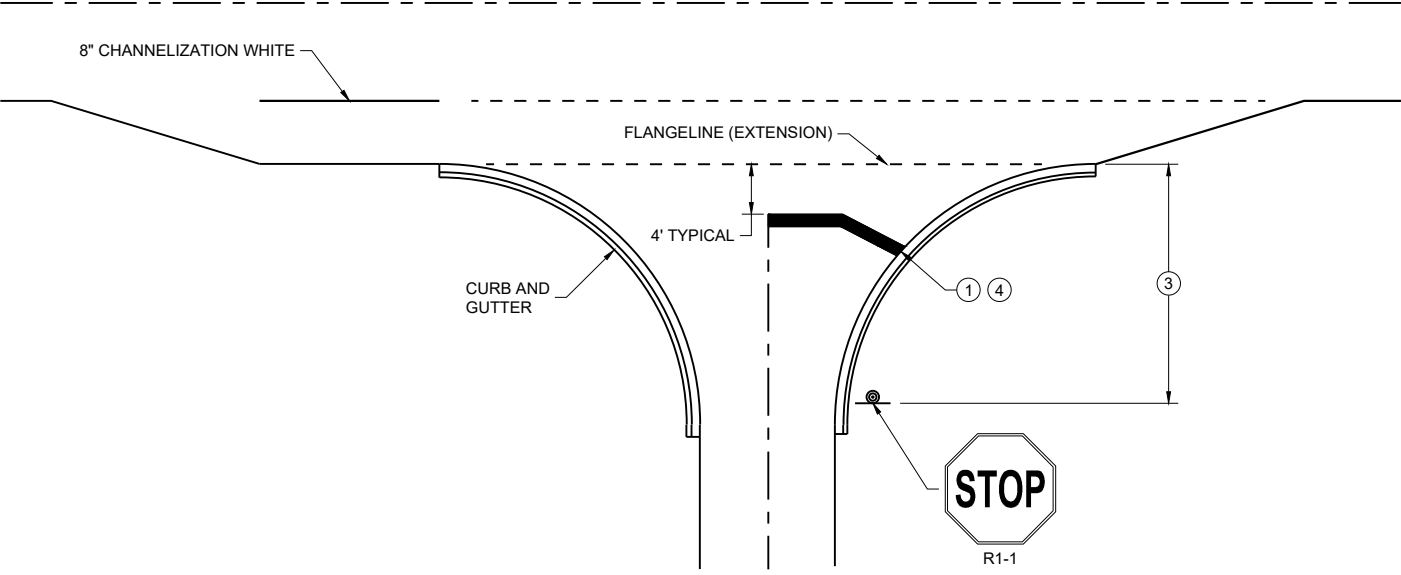
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024
DATE

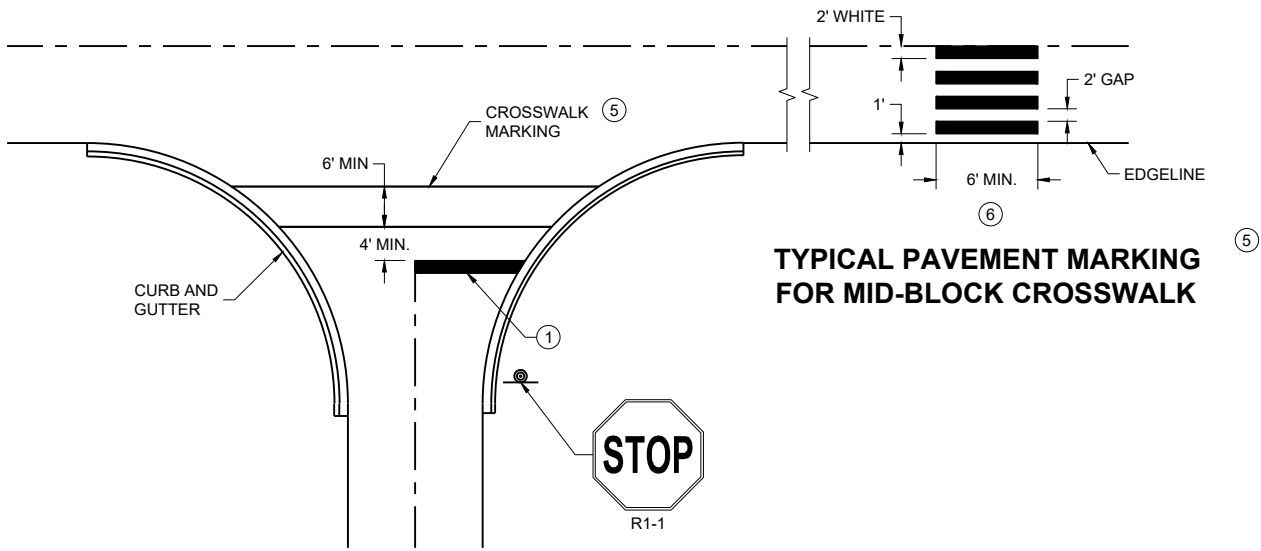
/S/ Matthew Rauch
WORK ZONE ENGINEER



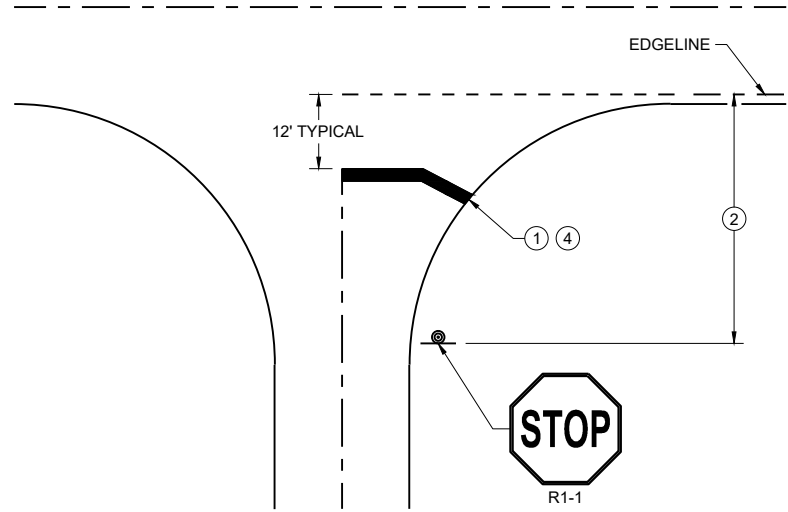
TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR
SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING
WITHOUT CURB AND GUTTER

GENERAL NOTES

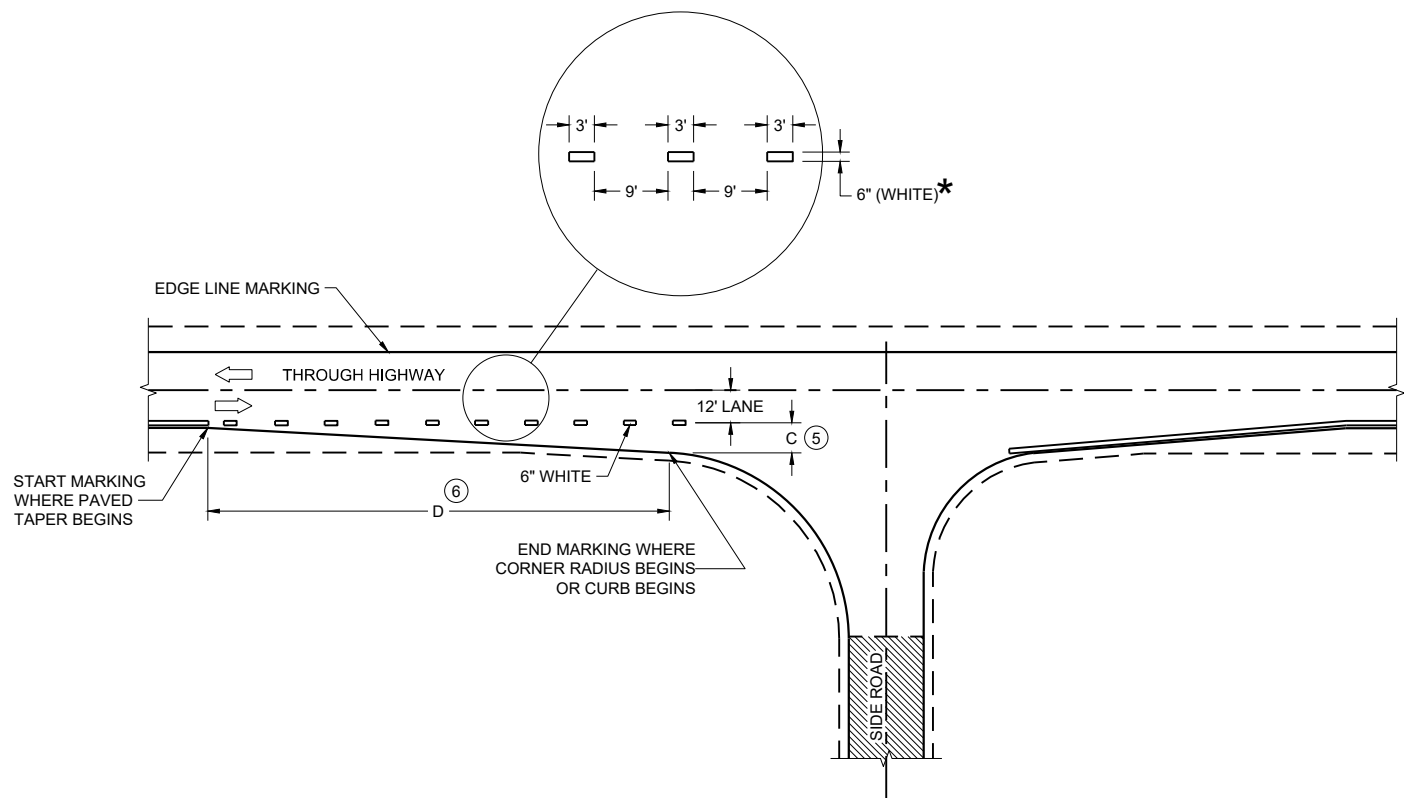
STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
- 3 NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
- 4 MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
- 5 LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
- 6 POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS

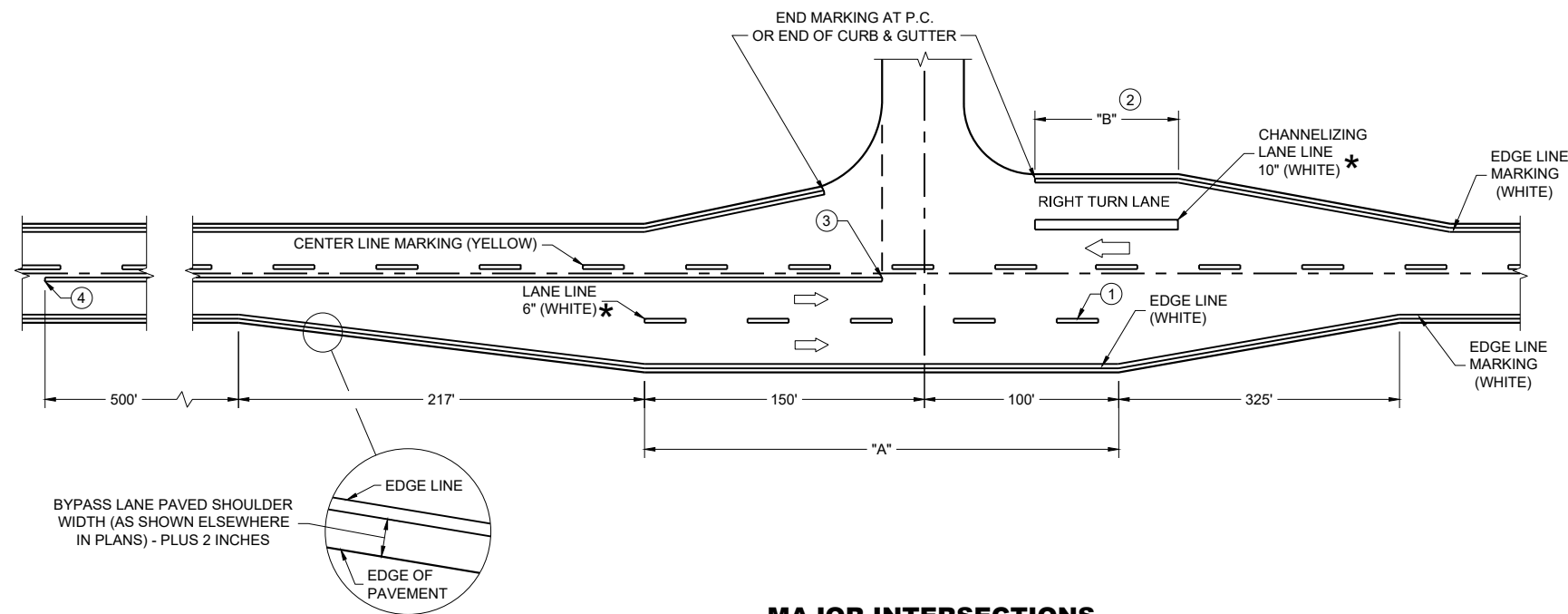
STOP LINE AND CROSSWALK
PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2024 /S/ Matthew Rauch
DATE STATE SIGNING AND MARKING
ENGINEER
FHWA



MINOR INTERSECTION



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

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

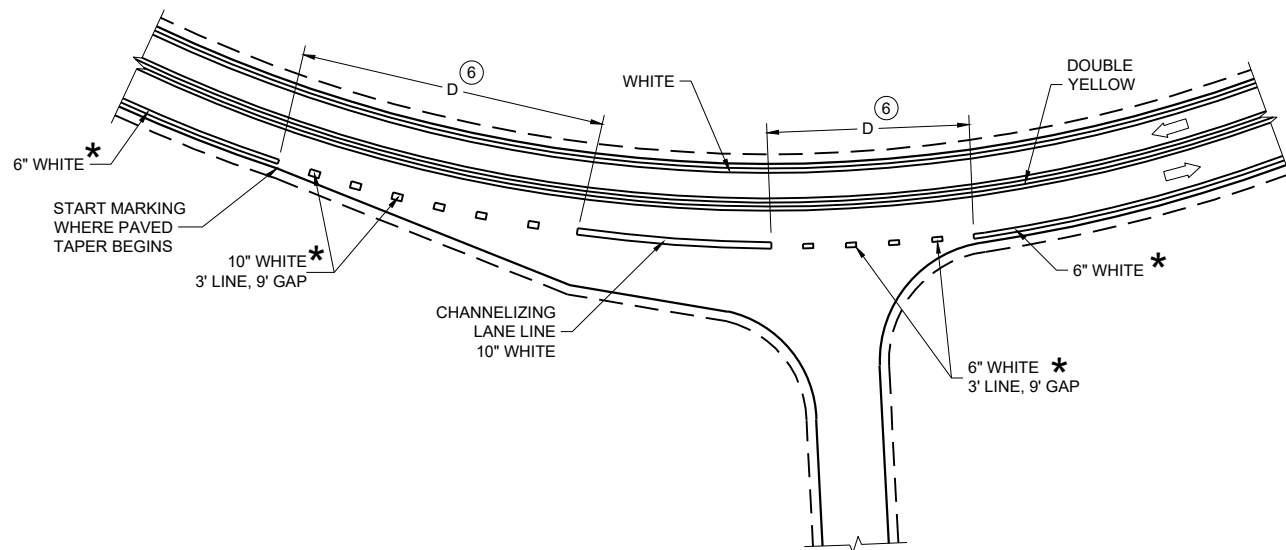
GENERAL NOTES

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

- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- ③ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
- ④ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
- ⑤ WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
- ⑥ WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

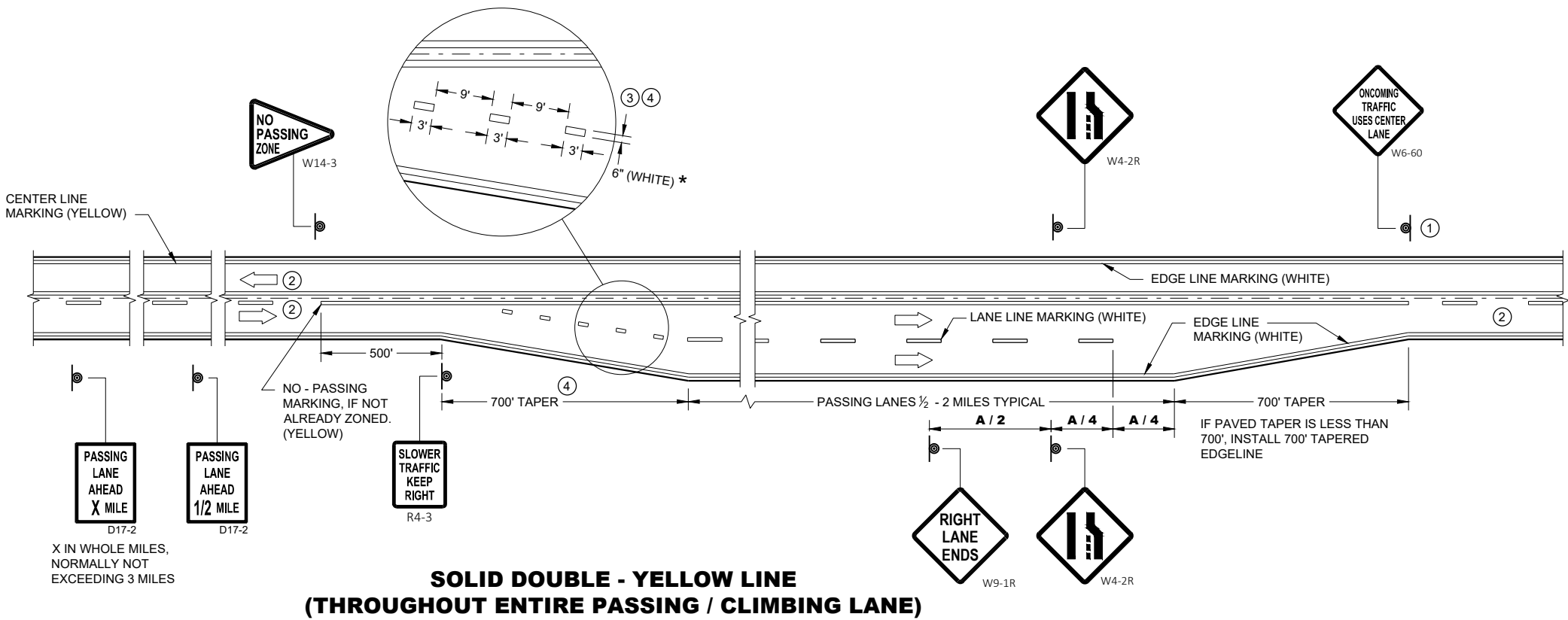
➡ DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

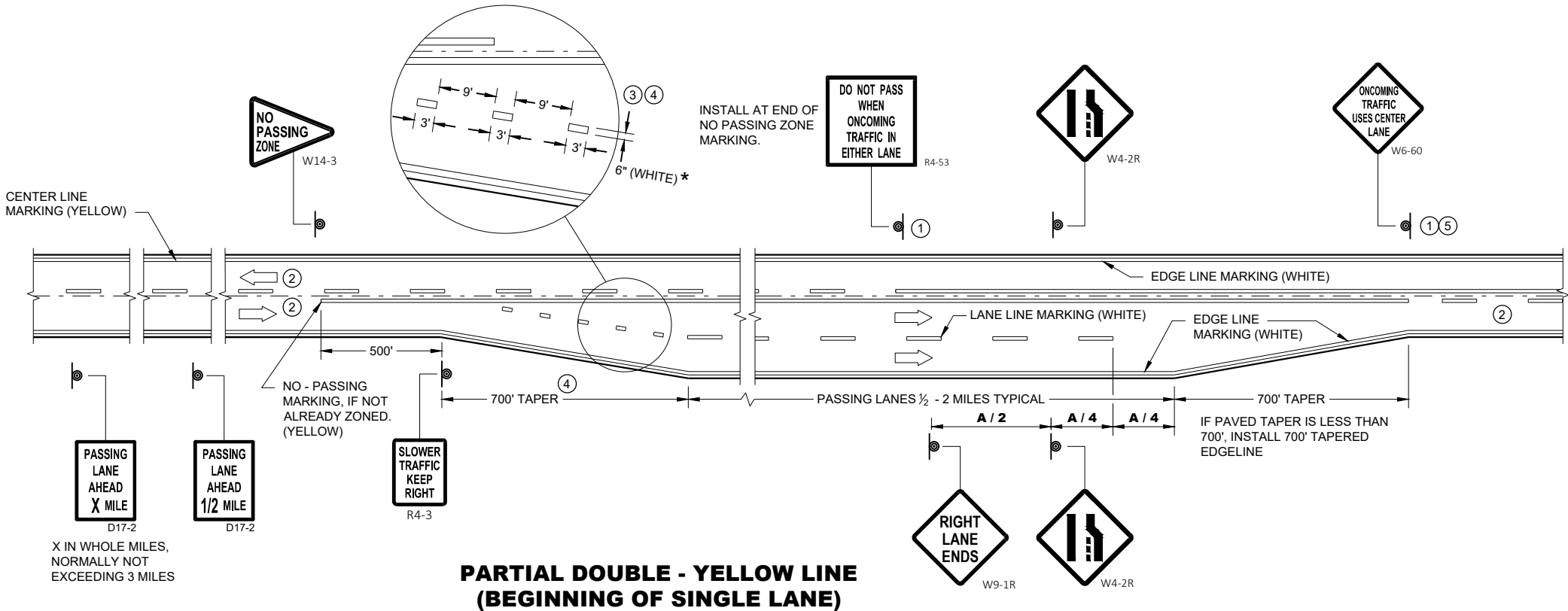
- ① SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- ② THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- ③ THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ④ WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING / CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.
- ⑤ REPEAT EVERY 1 MILE UP UNTIL R4-53.

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

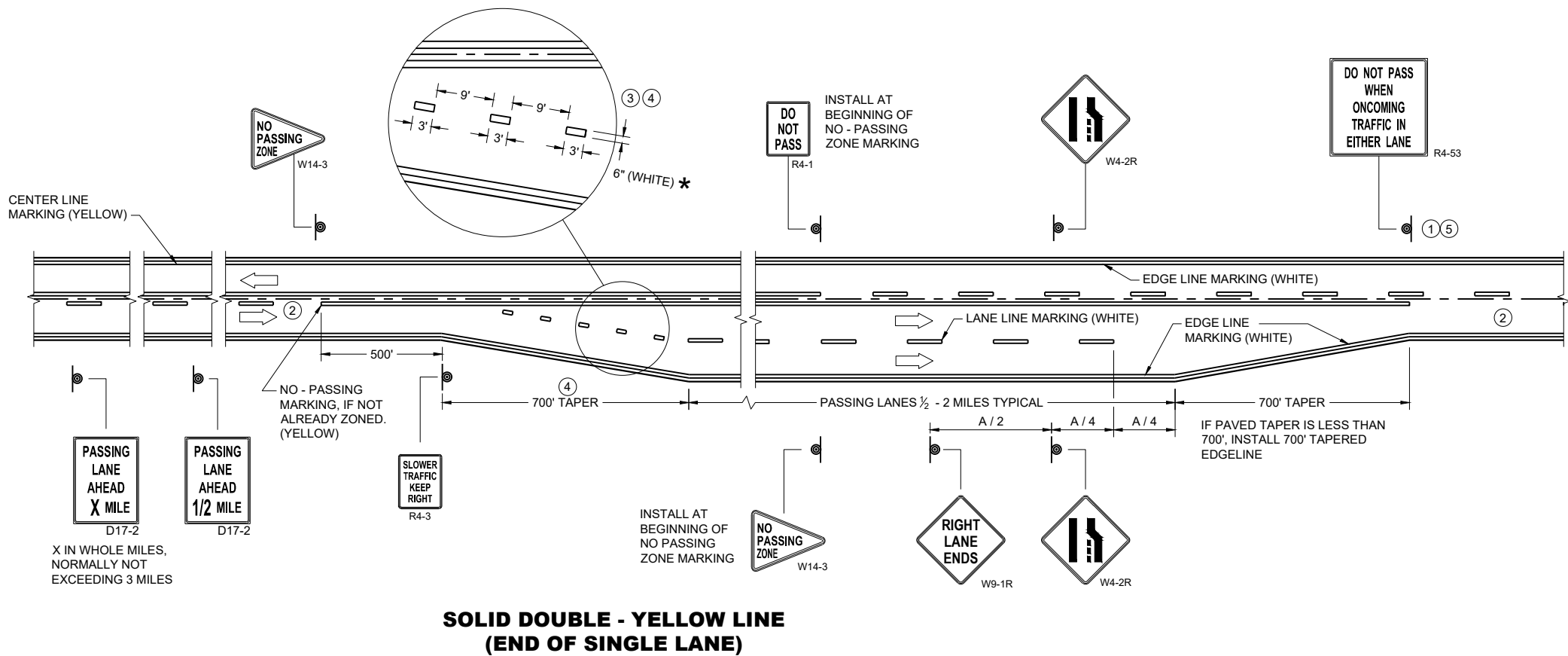
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



PAVEMENT MARKING & SIGNING
(CLIMBING LANE & PASSING LANE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

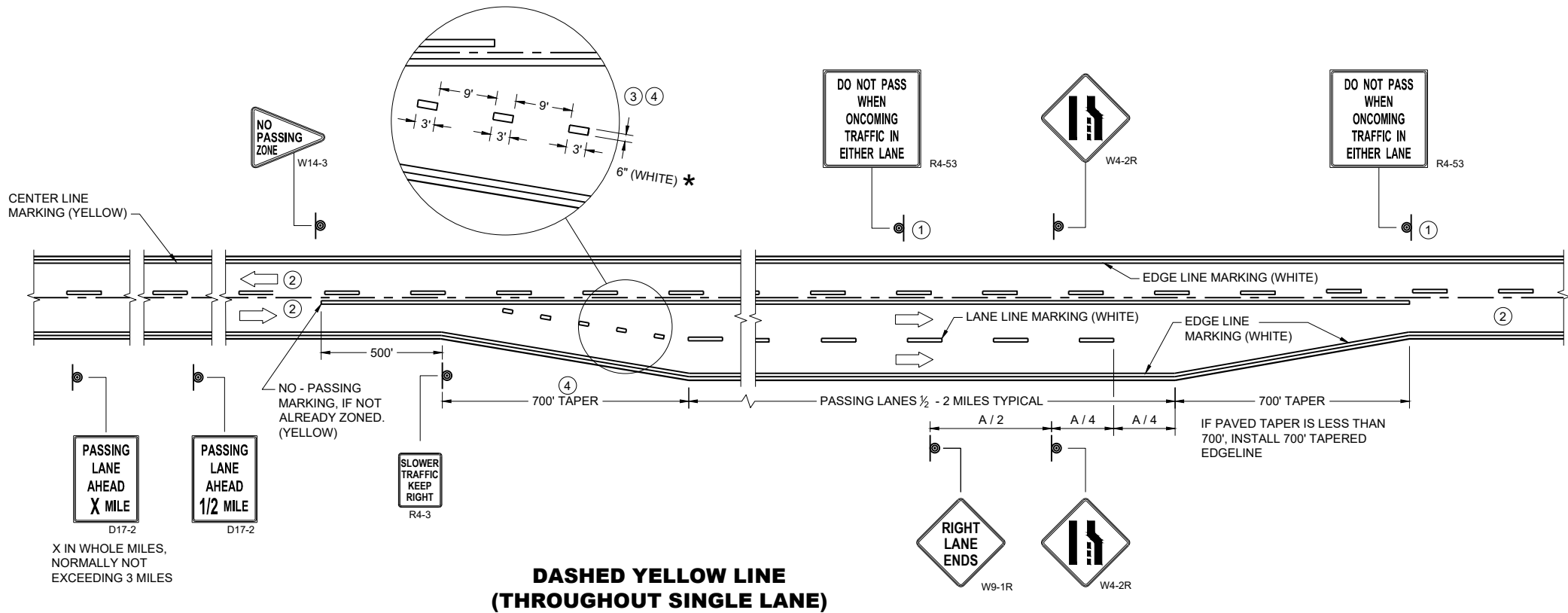
- 1 SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- 2 THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- 3 THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- 4 WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING / CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.
- 5 REPEAT EVERY ONE MILE UP UNTIL NO PASSING ZONE.

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

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

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 /S/ Jeannie Silver
DATE Statewide Pavement Marking Engineer
FHWA

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 DESIRABLE) CLEARANCE TO EXISTING SIGNS.

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

ALL SIGNS ARE 48" x 48" 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 OR AS APPROVED BY THE ENGINEER.

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 AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

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

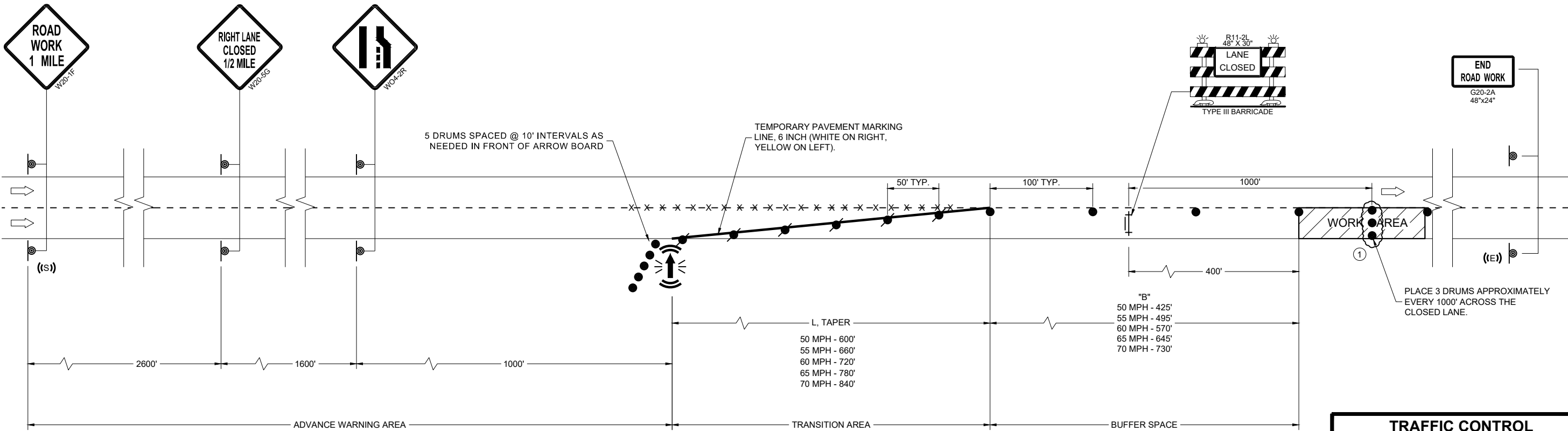
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF 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.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

① DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TRAFFIC CONTROL
LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 /S/ Andrew Heidtke
DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

	SIGN ON PERMANENT SUPPORT
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
	TYPE III BARRICADE WITH ATTACHED SIGN
	TYPE "A" WARNING LIGHT (FLASHING)
	REMOVING PAVEMENT MARKINGS
	DIRECTION OF TRAFFIC
	WORK AREA
	CONNECTED ARROW BOARD
	WZ START LOCATION MARKER
	WZ END LOCATION MARKER

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE 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.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

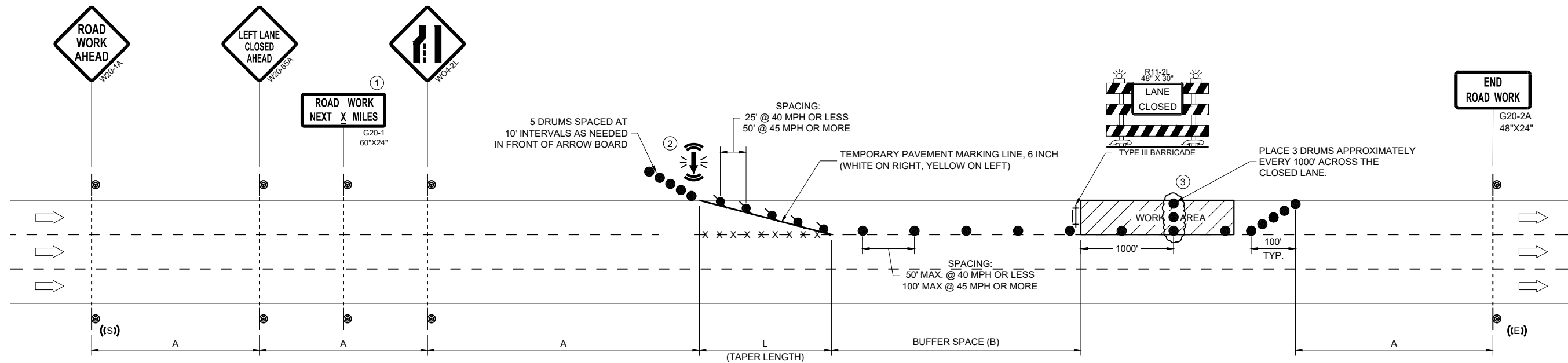
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN

- ① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- ② WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.
- ③ DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'

APPROVED	
<u>November 2025</u>	<u>/S/ Andrew Heidtke</u>
DATE	WORK ZONE ENGINEER

	SIGN ON PERMANENT SUPPORT
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
	TYPE III BARRICADE WITH ATTACHED SIGN
	TYPE "A" WARNING LIGHT (FLASHING)
	REMOVING PAVEMENT MARKINGS
	DIRECTION OF TRAFFIC
	WORK AREA
	CONNECTED ARROW BOARD
	WZ START LOCATION MARKER
	WZ END LOCATION MARKER

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

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

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE

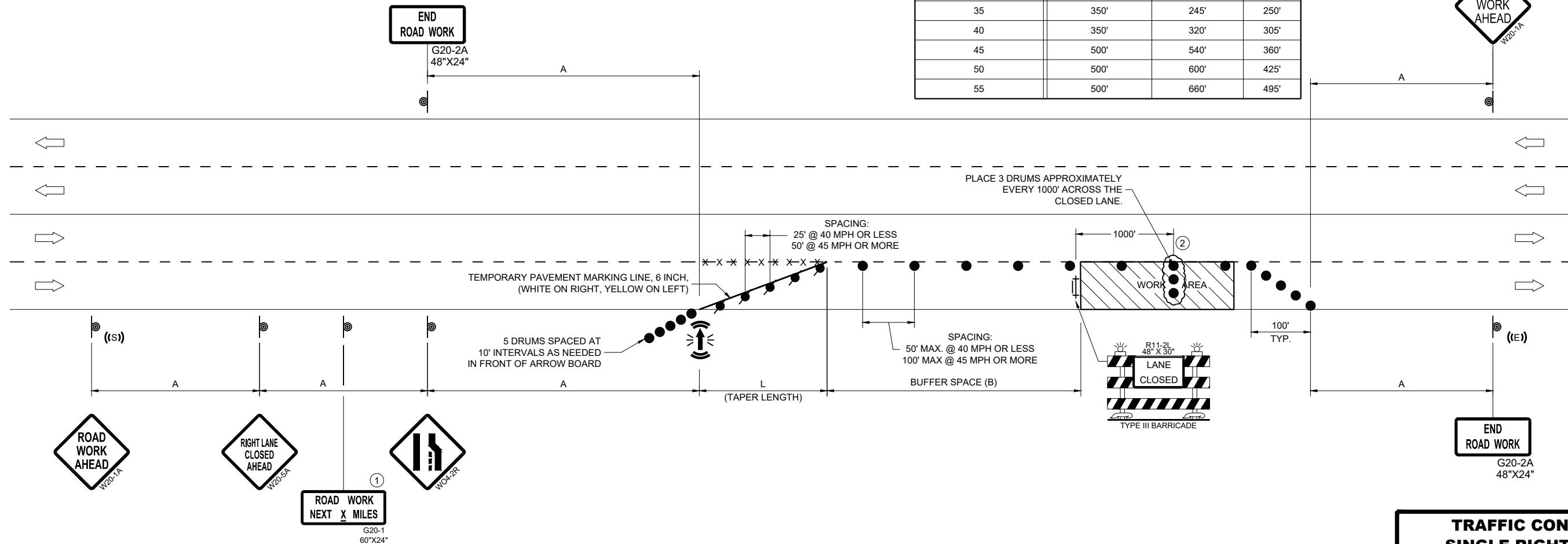
IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

- ① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- ② DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'
50	500'	600'	425'
55	500'	660'	495'



**TRAFFIC CONTROL,
SINGLE RIGHT LANE
CLOSURE, UNDIVIDED
NON-FREEWAY/EXPRESSWAY**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE 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.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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 TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

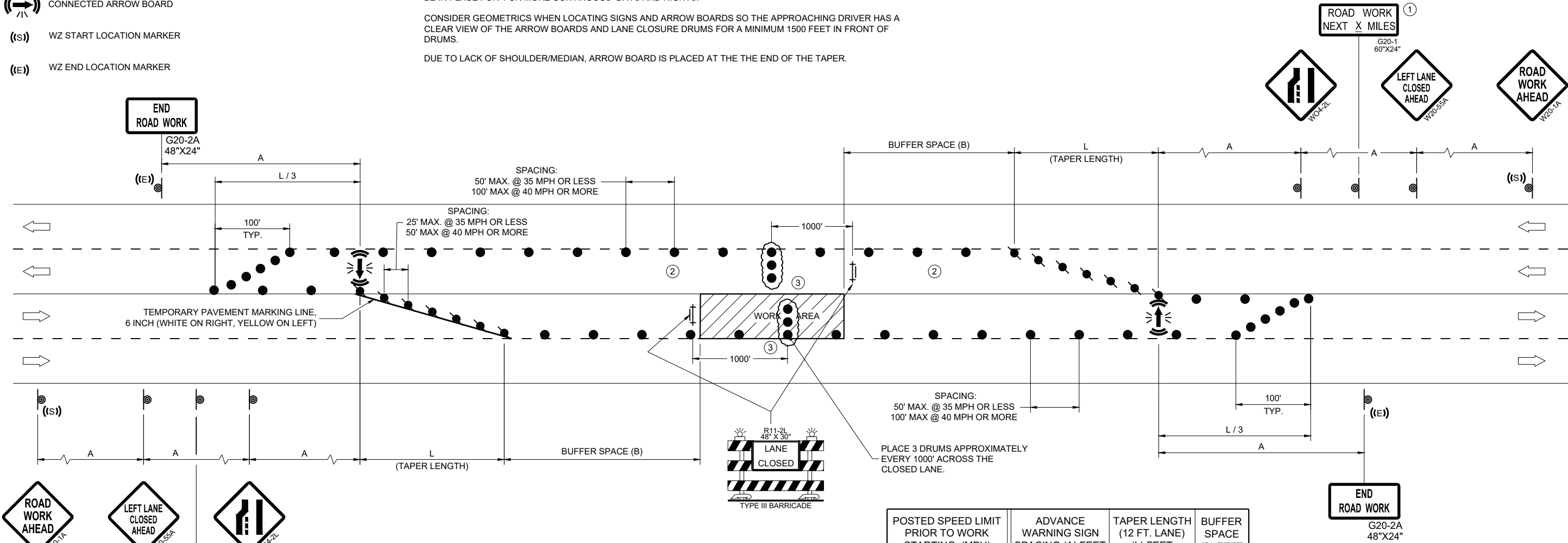
DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

- ① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- ② LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.

DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'
50	500'	600'	425'
55	500'	660'	495'

**TRAFFIC CONTROL,
SINGLE LEFT LANE
CLOSURE, UNDIVIDED
NON-FREEWAY/EXPRESSWAY**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER

FHWA

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- CONNECTED ARROW BOARD
- WORK AREA
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

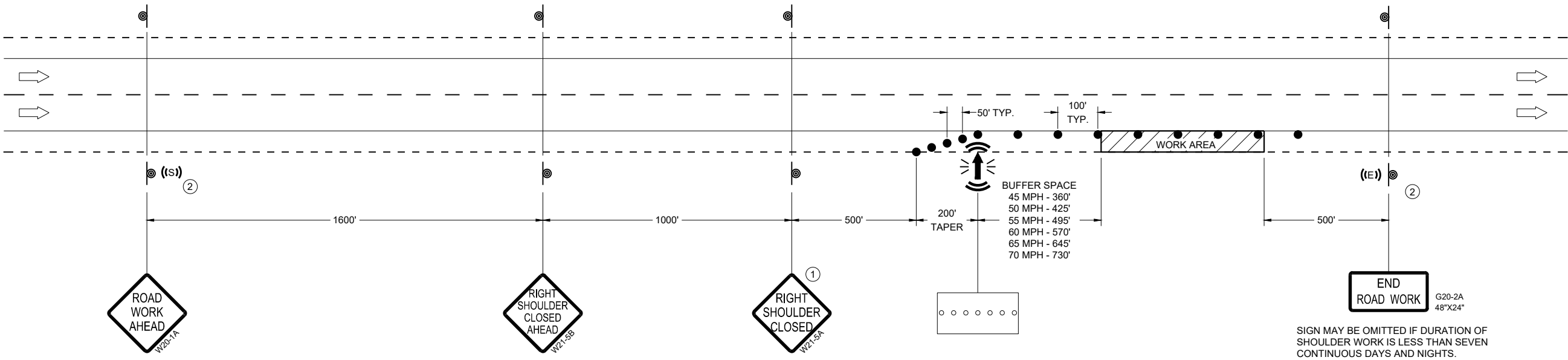
WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

- FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR THE W21-5A SIGN MAY BE OMITTED.
- IF ALREADY PRESENT WITHIN PROJECT , DO NOT INCLUDE ADDITIONAL DEVICE.



**TRAFFIC CONTROL,
SHOULDER CLOSURE ON
DIVIDED ROADWAY, SPEEDS
GREATER THAN 40 MPH**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

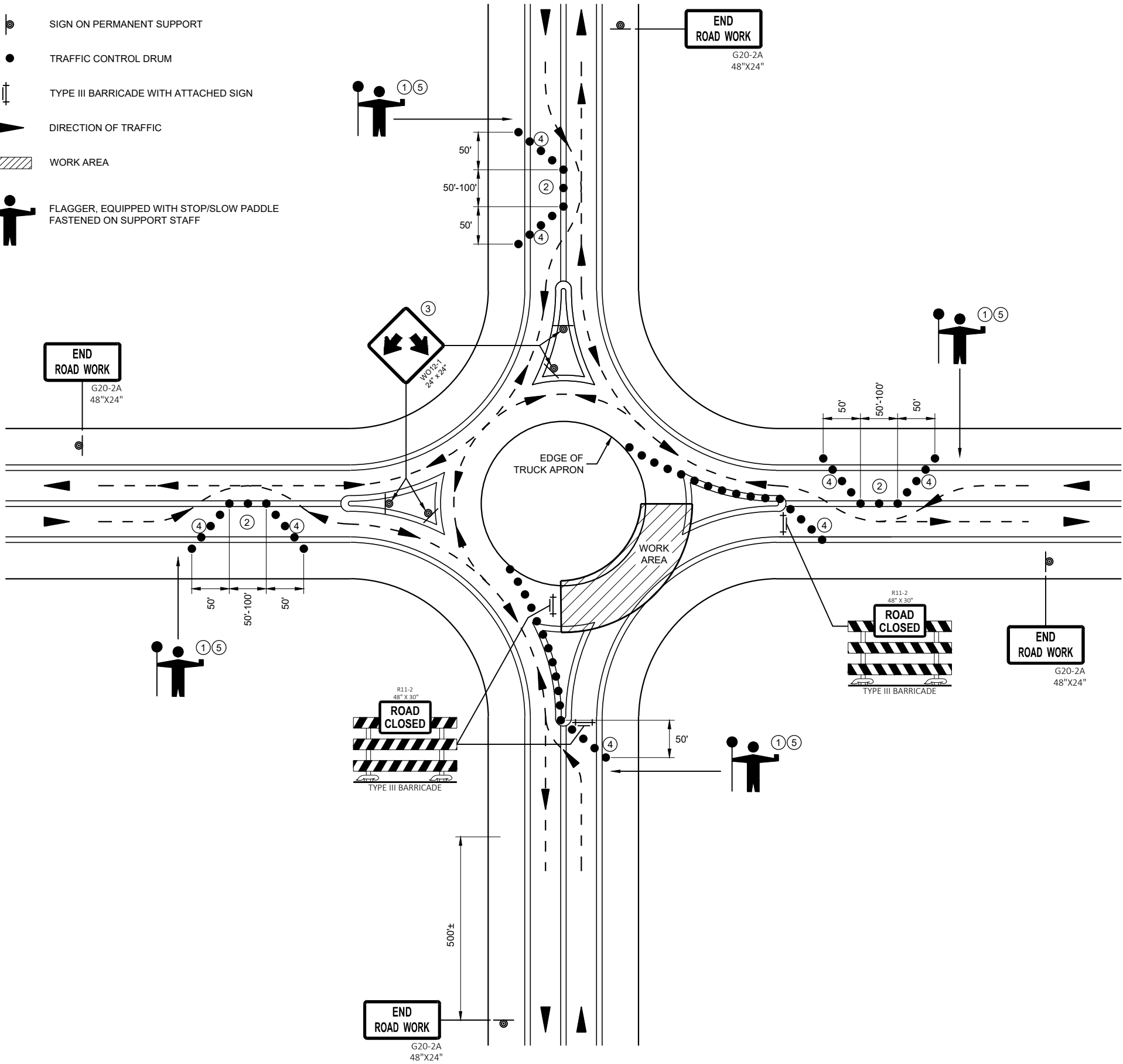
APPROVED
Noveber 2025
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

FHWA

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



GENERAL NOTES

ALL SIGNS ARE 48"X48" BLACK ON ORANGE UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

ONLY ONE QUADRANT OF TRAFFIC SHALL BE RELEASED AT A TIME.

FLAGGERS SHALL CONTROL TRAFFIC ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. ONE FLAGGER SHALL BE DESIGNATED LEAD FLAGGER.

NIGHT TIME WORK REQUIRES ADDITIONAL LIGHTING AT FLAGGER STATION(S).

- ① FLAGGERS SHALL BE IN DIRECT RADIO CONTACT AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.
- ② ADJUST CHANNELIZING DEVICES TO ACCOMMODATE FOR TURNING RADIUS OF LARGE VEHICLES AS DIRECTED BY THE ENGINEER.
- ③ GUIDE SIGN WITH ROAD NAMES MAY BE USED IN LIEU OF THE DOUBLE ARROW (WO12-1) SIGN.
- ④ THE TWO- WAY TAPER SHOULD BE 50 FEET USING 5 EQUALLY SPACED DRUMS.
- ⑤ FOLLOW SDD 15C12 FOR FLAGGING AND ADVANCE WARNING.

RECOMMENDED REDUCED DRUM SPACING WITHIN ROUNDABOUT

MPH	DRUM SPACING (FT)
0-40	25
45-55	50

TRAFFIC CONTROL,
FLAGGING OPERATION,
ROUNDABOUT

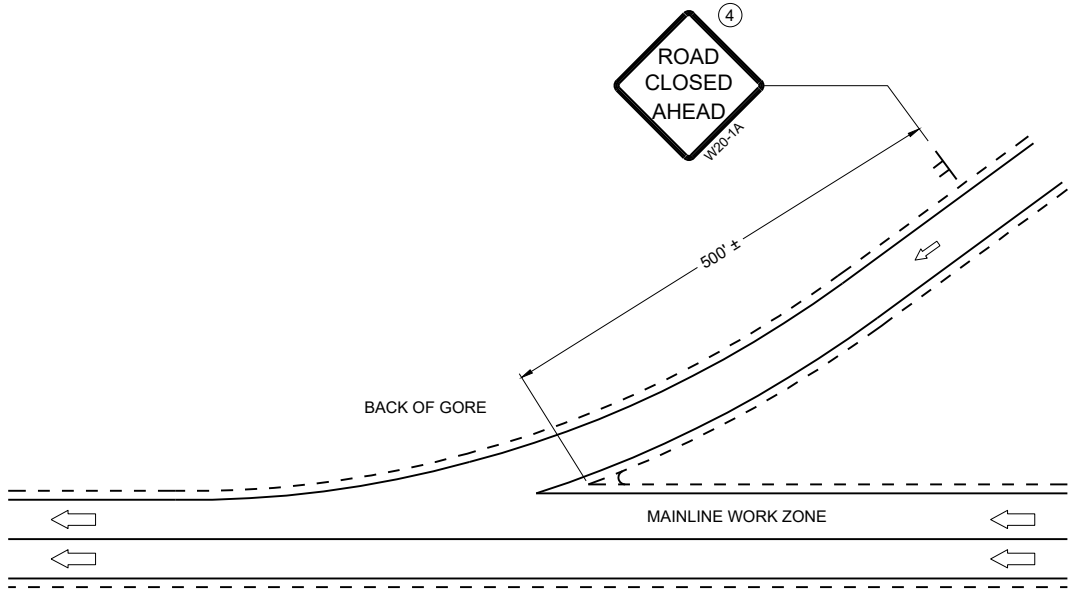
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 /S/ Andrew Heidtke
DATE STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

FHWA

LEGEND

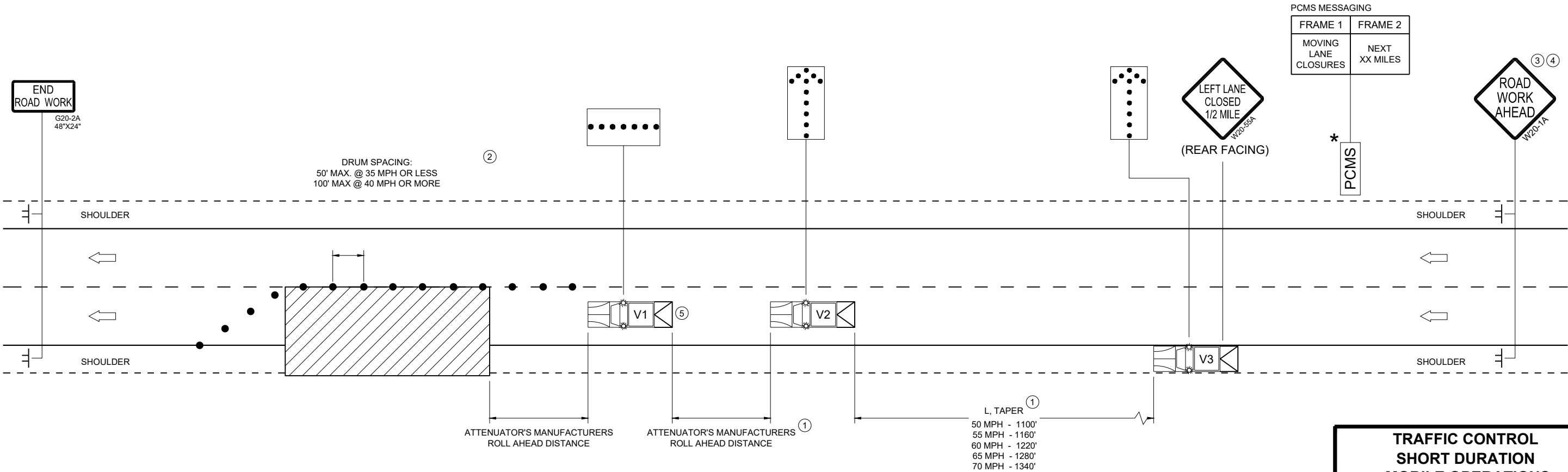
- V1 SHADOW VEHICLE 1
- V2 SHADOW VEHICLE 2
- V3 ADVANCE WARNING TRUCK
- TRAFFIC CONTROL DRUM
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  SIGN ON TEMPORARY SUPPORT
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW PANEL (MERGE)
-  FLASHING ARROW PANEL (CAUTION)
-  PORTABLE CHANGEABLE MESSAGE SIGN
-  WORK AREA



GENERAL NOTES

- SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.
- MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.
- 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.
- WHEN WORK ACTIVITY BLOCKS THE RIGHT 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 DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.
- WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC
- WORKERS SHALL NOT PERFORM WORK FROM ANY SHADOW OR PROTECTION VEHICLES.

- ① DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- ② DRUMS ARE TO BE USED FOR BRIDGE DECK SEALING AND OTHER PROJECTS THAT REQUIRE DELINEATION.
- ③ WITHIN 5 MILES, RELOCATE SIGNS AS WORK PROGRESSES AND NECESSARY OR AS DIRECTED BY THE ENGINEER.
- ④ SIGN NOT REQUIRED IF MOVING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- ⑤ SHADOW VEHICLE 1 (V1) IS OPTIONAL
- * PCMS OPTIONAL



TRAFFIC CONTROL
SHORT DURATION
MOBILE OPERATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER

FHWA

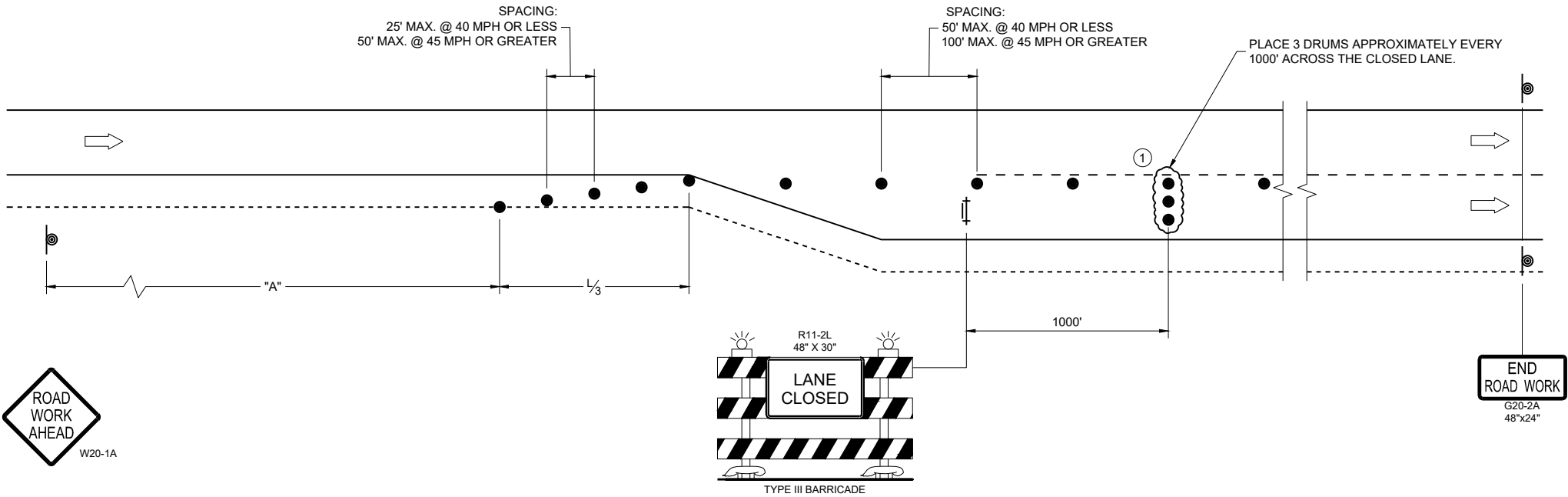
LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER $L\frac{1}{2}$					
		W, LATERAL OFFSET (FT)					
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	54	73	91	109	127	145

GENERAL NOTES

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- ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.
- "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.
- CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.
- SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
- W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.
- DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER

FHWA

	TYPE III BARRICADE WITH ATTACHED SIGN
	SIGN ON PERMANENT SUPPORT
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
	TYPE "A" WARNING LIGHT (FLASHING)
	DIRECTION OF TRAFFIC
	WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER (L/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

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

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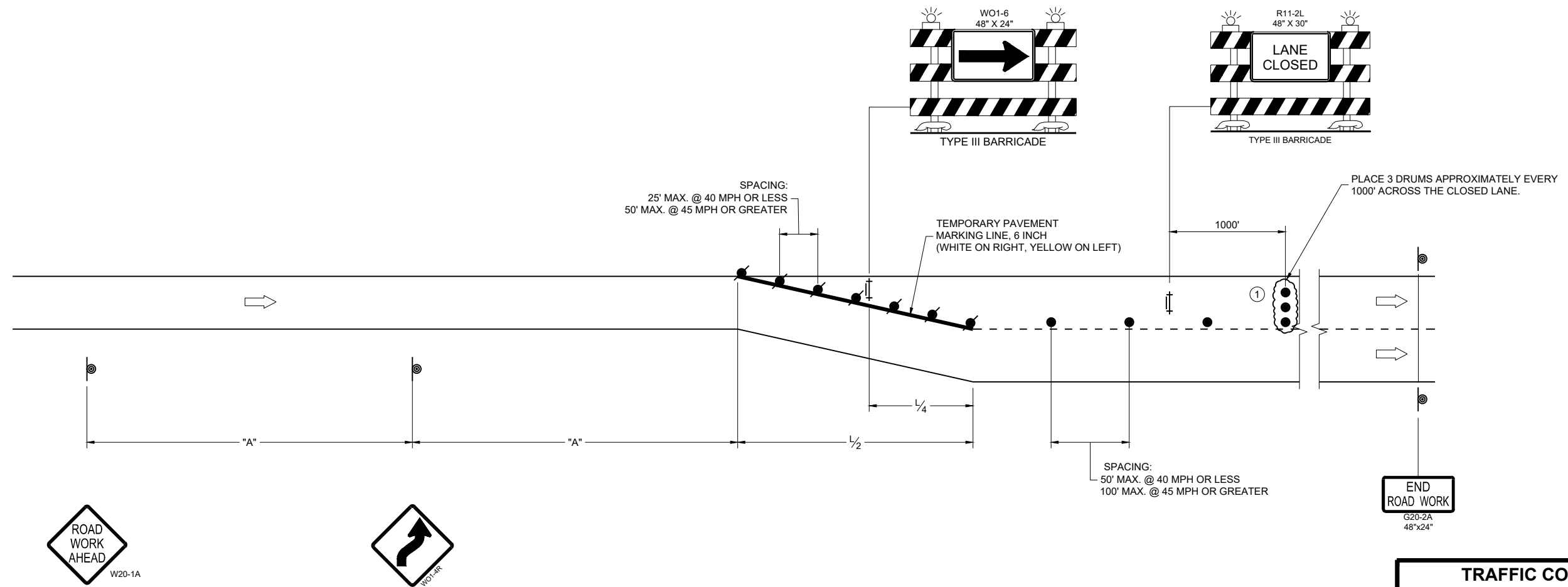
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

PLACE TEMPORARY PAVEMENT MARKING AND PLACE TEMPORARY PAVEMENT LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

① DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.



**TRAFFIC CONTROL,
ADDED LANE CLOSURE
WITH LANE SHIFT**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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February 2025
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/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

LEGEND

- V1

WORK VEHICLE
- V2

SHADOW VEHICLE
- TRUCK MOUNTED ATTENUATOR (TMA)
- FLASHING ARROW PANEL (CAUTION)
- WORK AREA
- DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

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

ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

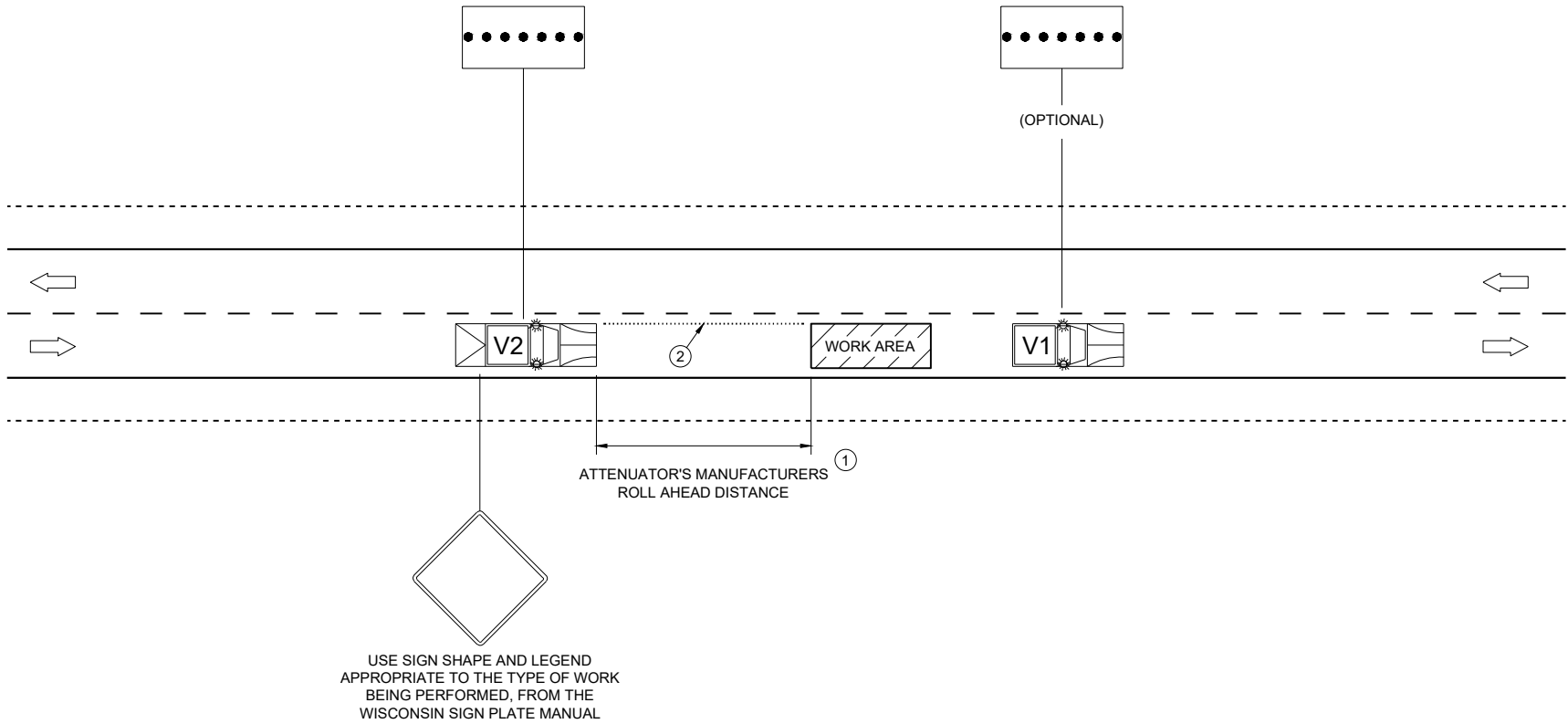
USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

WORKERS SHALL NOT PERFORM WORK FROM ANY SHADOW OR PROTECTION VEHICLES.

- 1

DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, 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.
- 2

ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.

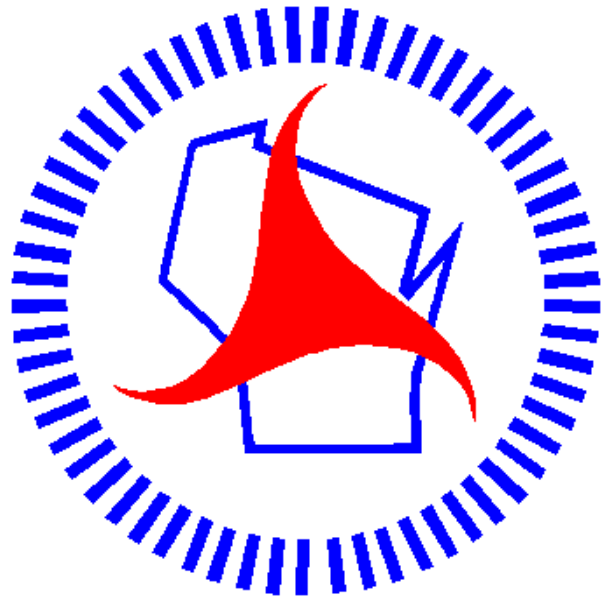


TRAFFIC CONTROL,
MOBILE OPERATIONS ON
AN UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 /S/ Andrew Heidtke
DATE STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

Notes



Wisconsin Department of Transportation

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through innovation and exceptional service.

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