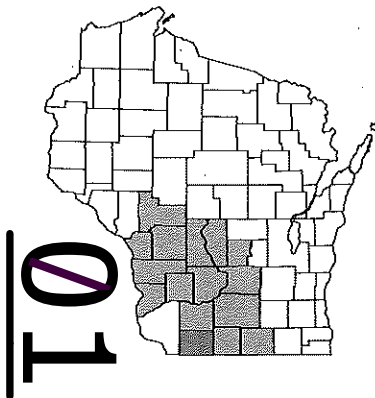


ORDER OF SHEETS

- 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 = 66



DESIGN DESIGNATION

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

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

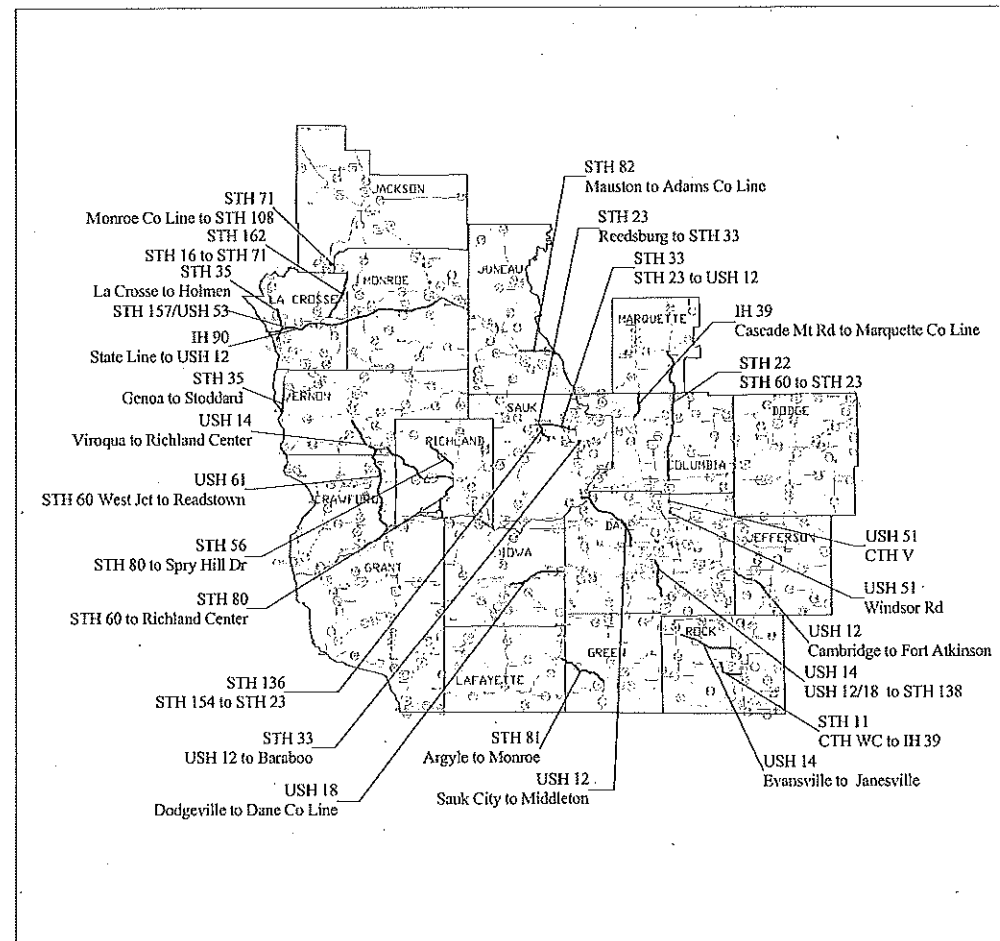
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
PLAN OF PROPOSED IMPROVEMENT

SW REGION PAVEMENT MARKING

STN LOCATIONS PER ANNUAL PLAN

VAR HWY  
SW REGION WIDE

STATE PROJECT NUMBER  
1009-13-90



LAYOUT  
SCALE 0 MILE

TOTAL NET LENGTH OF CENTERLINE =

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
PROJECT ID	WISC 2024102	1

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	Surveyor _____
Designer	JEANNIE SILVER
Project Manager	ERIC GLINDINING
Regional Examiner	_____
Regional Supervisor	RICHARD VYDRZAL
APPROVED FOR THE DEPARTMENT	DATE: 9-26-2023 <i>Matthew K. Paul</i> (Signature)

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 OR DIGGERS HOTLINE.



REGION CONTACTS

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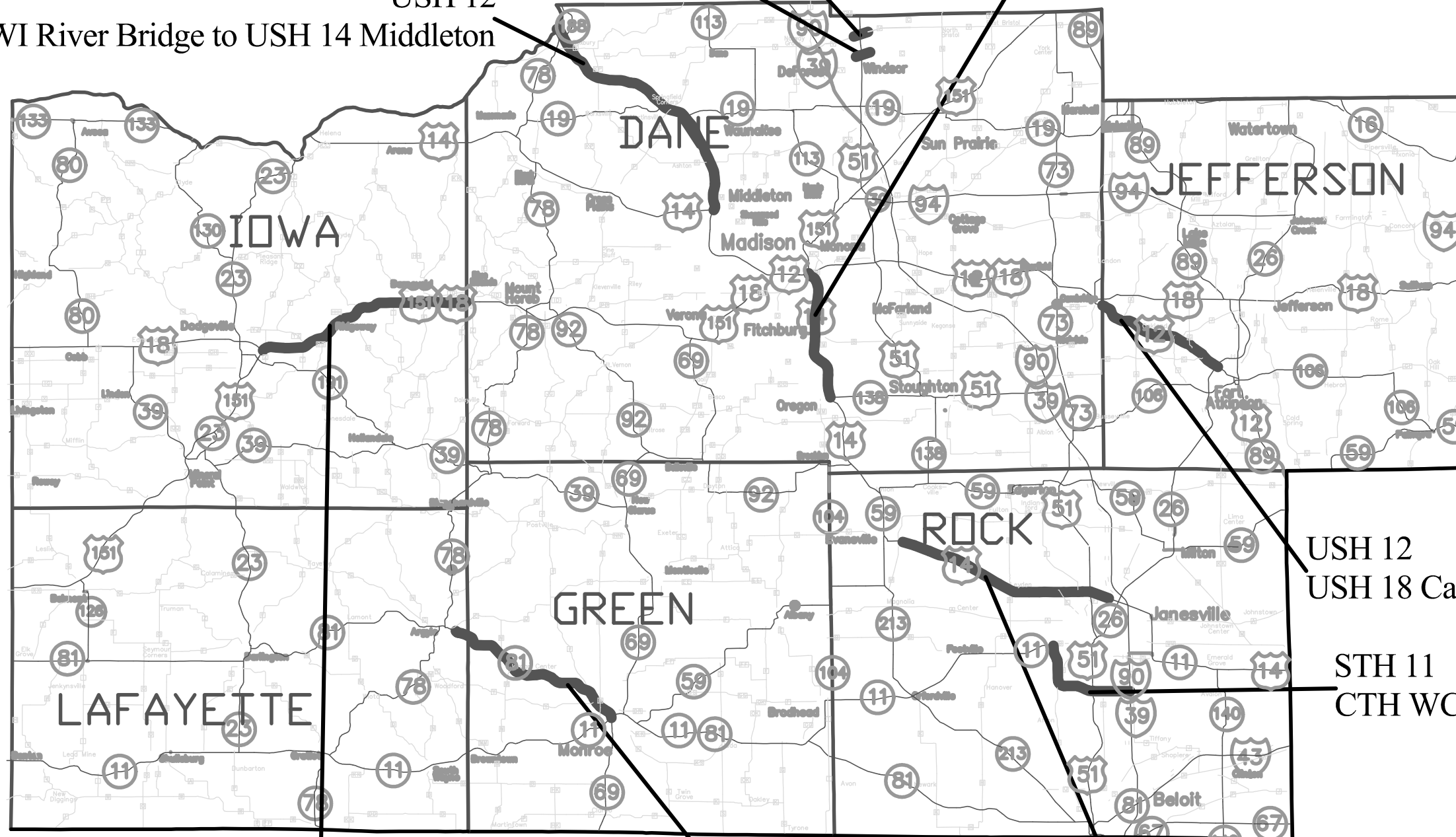
JEANNIE SILVER  
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USH 51  
CTH V ROUNDABOUTS

USH 51  
WINDSOR RD ROUNDABOUTS

USH 14  
USH 12/18 Madison to North Side of STH 138

USH 12  
WI River Bridge to USH 14 Middleton



USH 12  
USH 18 Cambridge to STH 26 Fort Atkinson

STH 11  
CTH WC to Libby Ln

USH 14  
CTH M, Evansville to Kennedy Rd, Janesville

USH 18  
CTH Z, Dodgeville, to Dane Co Line

STH 81  
Argyle Village Limits to STH 11 Monroe

CASCADE MT RD TO MARQUETTE CO LINE  
IH 39

STH 33  
STH 23 to USH 12

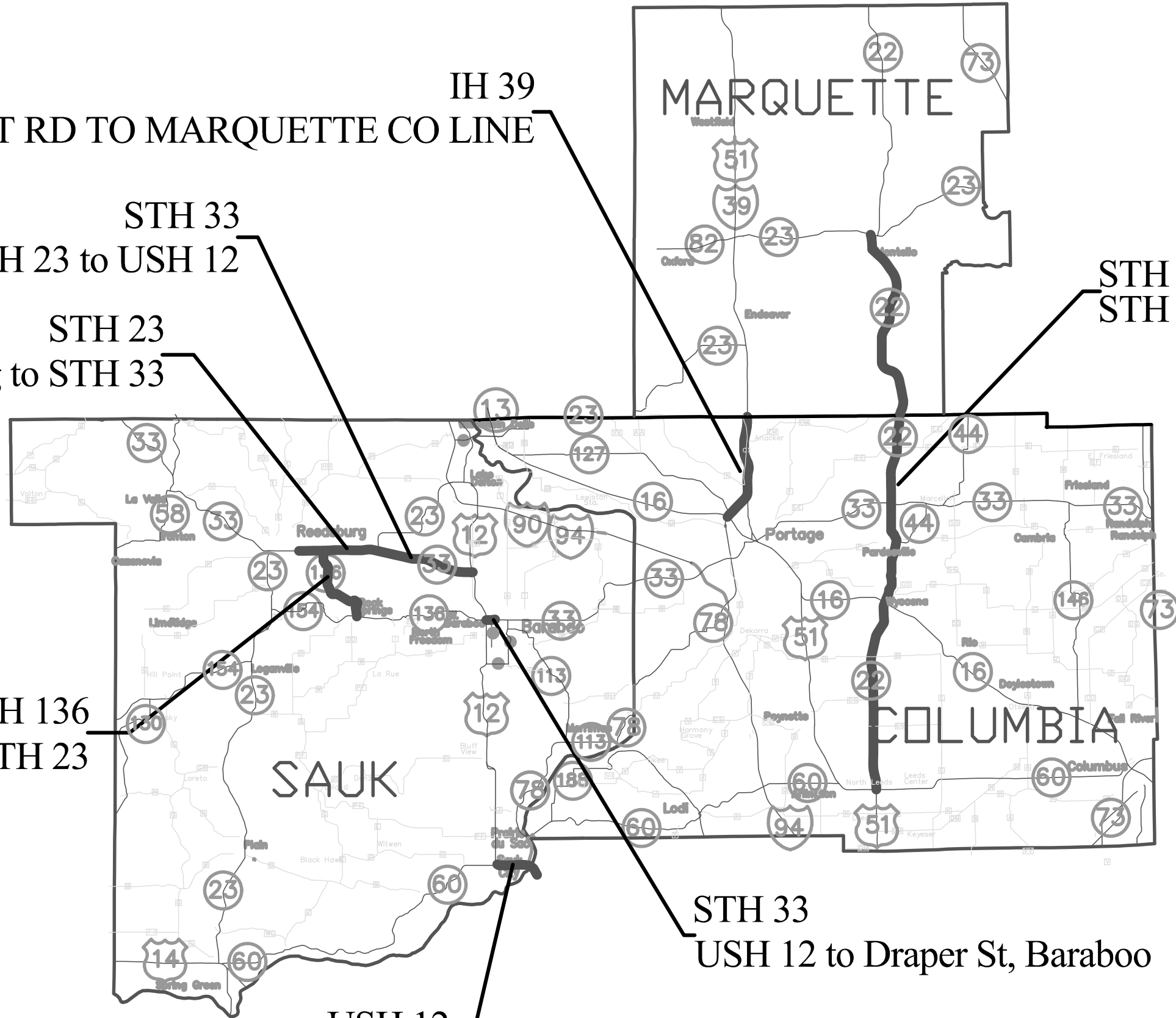
STH 22  
STH 60 to STH 23

STH 23  
CTH H Reedsburg to STH 33

STH 136  
STH 154 to STH 23

STH 33  
USH 12 to Draper St, Baraboo

USH 12  
STH 60 West Jct to WI Rier Bridge, Sauk City



STH 35

STH 56 Genoa to Protsch Coulee Rd, Stoddard

STH 56

STH 80 to Spry Hill Dr

STH 80

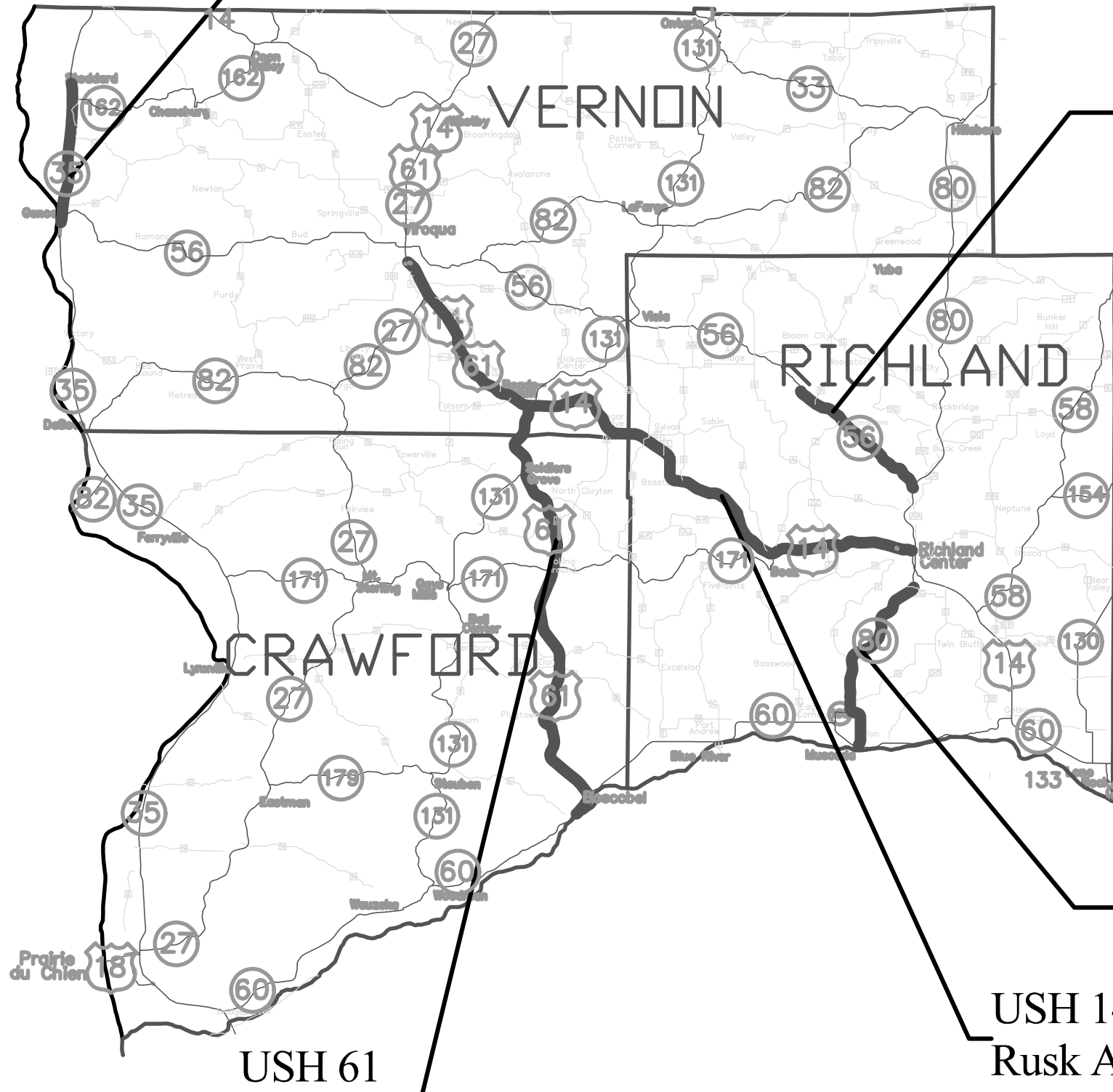
STH 60 to CTH RC, Richland Center

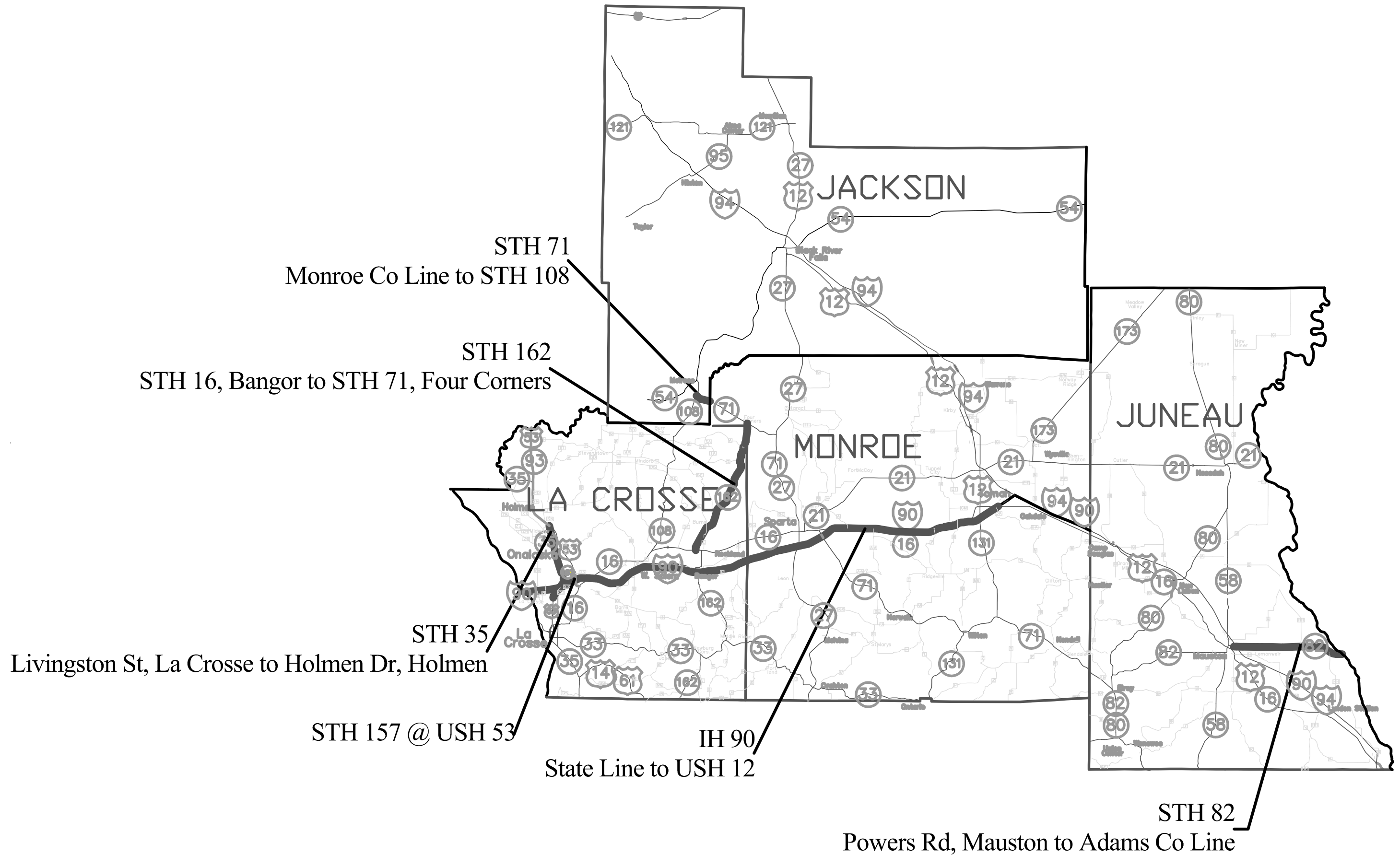
USH 14

Rusk Ave, Viroqua to Congress St, Richland Center

USH 61

STH 60 to USH 14, Readstown





Estimate Of Quantities

1009-13-90

Line	Item	Item Description	Unit	Total	Qty
0002	619.1000	Mobilization	EACH	1.000	1.000
0004	646.2020	Marking Line Epoxy 6-Inch	LF	3,875,421.000	3,875,421.000
0006	646.2041.S	Marking Replace Line Wet Reflective Epoxy 6-inch	LF	266,883.000	266,883.000
0008	646.4020	Marking Line Epoxy 10-Inch	LF	126,548.000	126,548.000
0010	646.4041.S	Marking Replace Line Wet Reflective Epoxy 10-inch	LF	47,054.000	47,054.000
0012	646.5020	Marking Arrow Epoxy	EACH	289.000	289.000
0014	646.5120	Marking Word Epoxy	EACH	110.000	110.000
0016	646.5220	Marking Symbol Epoxy	EACH	6.000	6.000
0018	646.5320	Marking Railroad Crossing Epoxy	EACH	12.000	12.000
0020	646.6120	Marking Stop Line Epoxy 18-Inch	LF	4,245.000	4,245.000
0022	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	532.000	532.000
0024	646.7020	Marking Diagonal Epoxy 6-Inch	LF	383.000	383.000
0026	646.7120	Marking Diagonal Epoxy 12-Inch	LF	6,186.000	6,186.000
0028	646.7220	Marking Chevron Epoxy 24-Inch	LF	880.000	880.000
0030	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	3,088.000	3,088.000
0032	646.8020	Marking Corrugated Median Epoxy	SF	74.000	74.000
0034	646.8120	Marking Curb Epoxy	LF	390.000	390.000
0036	646.8220	Marking Island Nose Epoxy	EACH	37.000	37.000
0038	646.8320	Marking Parking Stall Epoxy	LF	2,394.000	2,394.000
0040	646.9000	Marking Removal Line 4-Inch	LF	1,049.000	1,049.000
0042	646.9100	Marking Removal Line 8-Inch	LF	193.000	193.000
0044	646.9200	Marking Removal Line Wide	LF	62.000	62.000
0046	SPV.0060	Special 01. Traffic Control	EACH	1.000	1.000
0048	SPV.0060	Special 02. Marking Grooved Arrow MMA	EACH	52.000	52.000
0050	SPV.0060	Special 03. Marking Grooved Word MMA	EACH	3.000	3.000
0052	SPV.0090	Special 01. Marking Line Black Epoxy 6-Inch	LF	211,868.000	211,868.000
0054	SPV.0090	Special 02. Marking Grooved Line MMA 6-Inch	LF	9,890.000	9,890.000
0056	SPV.0090	Special 03. Marking Grooved Line MMA 10-Inch	LF	3,994.000	3,994.000
0058	SPV.0090	Special 04. Marking Grooved Dotted Extension MMA 18-Inch	LF	325.000	325.000
0060	SPV.0090	Special 05. Marking Grooved Diagonal MMA 12-Inch	LF	391.000	391.000
0062	SPV.0090	Special 06. Marking Grooved Block Crosswalk MMA 12-Inch	LF	1,990.000	1,990.000
0064	SPV.0090	Special 07. Marking 6-Inch Parking Stall	LF	3,375.000	3,375.000

3

3

**COLUMBIA COUNTY**

**IH 39**

**5840' South of Cascade Mountain Rd to Marquette Co Line**

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN		LANE LINE WHITE LF	646.4020 LINE EPOXY 10-IN		SPV.0090.01 MARKING LINE BLACK EPOXY 6-IN LAG BLACK LF	646.6120 STOP LINE EPOXY 18-IN MAINLINE WHITE LF
		EDGE LINE YELLOW LF	WHITE LF		GORE WHITE LF	RAMP GORE WHITE LF		
IH 39 NB	5840' South of Cascade Mountain Rd to Marquette Co Line	64526	54336	16254			16254	
	On RAMP from STH 78	610			1196			29
	Exit 85 at Cascade Mountain Rd OFF RAMP	583	1385		290	105		
	Exit 85 at Cascade Mountain Rd On RAMP	646	2090		1160			
	Exit 87 at STH 33 OFF RAMP	1165	2102		350	350		
	Exit 87 at STH 33 On RAMP	1034	2872		1254	175		
	Exit 89 at STH 16 OFF RAMP	887	1955		722			
	Exit 89 at STH 16 On RAMP	1052	2597		1210	184		
	Exit 92 at USH 51 OFF RAMP	595		1367	410		1367	
Exit 92 at USH 51 On RAMP	1050	2893	250	1348		250		
IH 39 SB	Marquette Co LINE to 5509' South of Cascade Mountain Rd	63583	55614	15910			15910	
	Exit 92 at USH 51 OFF RAMP	1709	2263		732			
	Exit 92 at USH 51 On RAMP	861	2206		1324			
	Exit 89 at STH 16 OFF RAMP	1129	2759		360	184		
	Exit 89 at STH 16 On RAMP	1069	2546		828	220		
	Exit 87 at STH 33 OFF RAMP	1179	2345		368	100		
	Exit 87 at STH 33 On RAMP	1137	3007		1040	200		
	Exit 85 at Cascade Mountain Rd OFF RAMP	410	1092		618	105		
	Exit 85 at Cascade Mountain Rd On RAMP	617	1468		966			
	Exit 84 at STH 78 OFF RAMP	452			906			
Exit to 90/94 West - Wis Dells OFF RAMP		494		656				
TOTAL		144294	144024	33781	15738	1623	33781	29



3

**LA CROSSE AND MONROE COUNTY  
IH 90  
State Line to USH 12 Exit 43**

3

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN EDGELINE		646.4020 LINE EPOXY 10-IN LEFT TURN	646.2041.S LINE WET REF EPOXY 6-IN LANE LINE	646.4041.S LINE WET REF EPOXY 10-IN GORE	SPV.0090.01 MARKING LINE BLACK EPOXY 6-IN LAG	646.5020 ARROW EPOXY TURN LANE		646.5120 WORD EPOXY TURN LANE	646.6120 STOP LINE EPOXY 18-IN OFF RAMP
		YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	BLACK LF	TYPE 2 EACH	TYPE 3 EACH	WHITE EACH	WHITE LF
IH 90 EB	State Line to USH 12 Exit 43	23100	23100		52650		52650				
	REST AREA OFF RAMP	624	1679			755					
	REST AREA ON RAMP	624	1727			1271					
	Exit 2 CTH B OFF RAMP	845	4820	240		780					45
	Exit 2 CTH B ON RAMP	913	1687			963					
	Exit 5 STH 16 OFF RAMP	1200	1951		538	1165		6	2	6	80
	Exit 5 STH 16 ON RAMP	1169	2764			1810					
	Exit 12 CTH C OFF RAMP	921	1929	105		491					
	Exit 12 CTH C ON RAMP	812	2129			1259					
	Exit 15 STH 162 OFF RAMP	1322	1273	51		782					43
	Exit 15 STH 162 ON RAMP	1198	1163			2522					
	REST AREA Mile 20 OFF RAMP	1265	2157	348		820					
	REST AREA Mile 20 ON RAMP	2053	2905	290		2548					
	Exit 25 STH 27 OFF RAMP	1587	1088	100		740					41
	Exit 25 STH 27 ON RAMP	2595	1197			1492					
Exit 28 STH 16 OFF RAMP	1948	1500	112		700					59	
Exit 28 STH 16 ON RAMP	2404	1133			1724						
Exit 41 STH 131 OFF RAMP	779	1587	88		632					57	
Exit 41 STH 131 ON RAMP	889	2497			1138						
Exit 43 USH 12 OFF RAMP	643	1084			1652					27	
Exit 43 USH 12 ON RAMP	532	1325			1200						
TOTAL		47423	60695	1334	53188	24444	52650	6	2	6	352

LA CROSSE AND MONROE COUNTY IH 90 USH 12 Exit 43 to Minnesota State Line		646.2020 LINE EPOXY 6-IN EDGELINE		646.4020 LINE EPOXY 10-IN LEFT TURN WHITE	646.2041.S LINE WET REF EPOXY 6-IN LANE LINE WHITE	646.4041.S LINE WET REF EPOXY 10-IN GORE WHITE	SPV.0090.01 MARKING LINE BLACK EPOXY 6-IN LAG BLACK	646.5020 ARROW EPOXY TURN LANE TYPE 2 EACH	646.5120 WORD EPOXY TURN LANE WHITE EACH	646.6120 STOP LINE EPOXY 18-IN OFF RAMP WHITE LF
ROUTE	LOCATION	YELLOW LF	WHITE LF	LF	LF	LF	LF	LF	LF	LF
3           IH 90 WB	USH 12 Exit 43 to Minnesota State Line	23100	23100		52650		52650			
	Exit 43 USH 12 OFF RAMP	785	2004	80		545				20
	Exit 43 USH 12 ON RAMP	500	1290			1230				
	Exit 41 STH 131 OFF RAMP	903	1499	60		774				64
	Exit 41 STH 131 ON RAMP	903	2449			1860				
	Exit 28 STH 16 OFF RAMP	1896	1301	124		752		6	6	62
	Exit 28 STH 16 ON RAMP	2517	1252			1708				
	Exit 25 STH 27 OFF RAMP	1538	1010	84		696				43
	Exit 25 STH 27 ON RAMP	2501	1146			1692				
	REST AREA Mile 22 OFF RAMP	2959	1841	380		750				
REST AREA Mile 22 ON RAMP	2213	791	226		1642					
Exit 15 STH 162 OFF RAMP	1123	1248			351				42	
Exit 15 STH 162 ON RAMP	1280	1242			940					
Exit 12 CTH C OFF RAMP	693	1614			462					
Exit 12 CTH C ON RAMP	866	2212			1265					
Exit 5 STH 16 OFF RAMP	1098	1603		138	580				52	
Exit 5 STH 16 EB ON RAMP	801	2735			1708					
Exit 5 STH 16 WB ON RAMP	1917	3935			3985					
Exit 2 CTH B OFF RAMP	802	1782			855				38	
Exit 2 CTH B ON RAMP	1086	2321			815					
TOTAL		49481	56375	954	52788	22610	52650	6	6	321

LA CROSSE AND MONROE COUNTY Rest Areas IH 90		646.2020 LINE EPOXY 6-IN 3' LINE, 9' Gap		646.5020 ARROW EPOXY REST AREA	646.5220 SYMBOL EPOXY HANDICAP SYMBOL	646.6120 STOP LINE EPOXY 18-IN MAINLINE	646.7020 DIAGONAL EPOXY 6-IN REST AREA	646.7120 DIAGONAL EPOXY 12-IN GORE	646.7420 CROSSWALK EPOXY 6-IN MAINLINE	646.8320 4-IN PARKING STALL REST AREA	SPV.0090.07 MARKING 6-IN PARKING STALL REST AREA
ROUTE	LOCATION	YELLOW LF	WHITE LF	TYPE 1 EACH	WHITE EACH	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF
IH 90 EB	REST AREA 31 Mile 1 Car Parking Area	66	72	4	4	19	383		112		1551
	Truck Parking Area		42						45		1824
IH 90 WB	REST AREA 16 Mile 22 Car Parking Area				2			64	84	1170	
	Truck Parking Area								1224		
TOTAL		66	114	4	6	19	383	64	241	2394	3375

PROJECT NO: 1009-13-90      HWY: IH 39      COUNTY: VARIOUS      MISCELLANEOUS QUANTITIES      SHEET:      E

3

**JEFFERSON COUNTY  
USH 12  
Cambridge to Fort Atkinson**

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN				646.4020 LINE EPOXY 10-IN		646.5020 ARROW EPOXY	646.5120 WORD EPOXY
		CENTERLINE	EDGE LINE		LANE LINE	LEFT TURN	RIGHT TURN	TURN LANE	TURN LANE
		YELLOW LF	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	TYPE 2 EACH	WHITE EACH
USH 12 EB & WB	USH 18, Cambridge to East of STH 26 Fort Atkinson	72380	8863	103962	2450				
	USH 18 Piggly Wiggly						205		
	Simonsen St Park Rd Cedar Rd					108	74 304 194	2	2
	Marina Ln Majestic Cir ISLAND Ln						103 204 196		
	Airport Rd CTH A Oakland Rd						203 336 212		
	CTH A CTH A Oestreich Ln						213 408 191		
	Ehrke Rd CTH J CTH G						199 391 348		
	Radloff Ln CTH C						205 358		
	STH 26 South STH 26 North						237 242		
	TOTAL		72380	8863	103962	2450	108	4978	2

3

**SAUK COUNTY  
USH 12  
Sauk City**

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN				646.4020 LINE EPOXY 10-IN			SPV.0090.01 MARKING LINE BLACK EPOXY 6-IN	646.5020 ARROW EPOXY			646.5120 WORD EPOXY	646.6120 STOP LINE EPOXY 18-IN		646.7120 DIAGONAL EPOXY 12-IN		646.7420 CROSSWALK EPOXY 6-IN	646.8120 CURB EPOXY	646.8220 ISLAND NOSE EPOXY
		CENTERLINE	EDGE LINE		LANE LINE	ISLAND GORE	LEFT TURN	RIGHT TURN	LAG	TURN LANE		TWLTL	WORD TURN LANE	MAINLINE	INTERSECTING ROADWAY	MEDIAN	GORE	MAINLINE	YELLOW	YELLOW
		YELLOW LF	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	BLACK LF	TYPE 2 EACH	TYPE 3 EACH	TYPE 2 EACH	ONLY EACH	WHITE LF	WHITE LF	YELLOW LF	WHITE LF	WHITE LF	YELLOW LF	YELLOW EACH
USH 12	STH 60 West Jet to Wisconsin River Bridge	21368	2600	23138	2698	806	702	90	2698	6			4			1245	90		40	4
	STH 60 STH 60 WB						184			1	1		1	45						
	Lueder Rd Lueder Rd to Dallas St Business Dr						256			2		26	2	76	42	156			30	3
	Dallas St Madison St						55			1					133				180	16
	JEFFERSON St MEDIAN Water St						91	138		1			1		156	55			10	1
TOTAL		21368	2600	23138	2698	806	1486	120	2698	16	1	26	11	169	139	1900	90	336	330	31

**DANE COUNTY  
USH 12  
Sauk City to Middleton**

3

3

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN		LANE LINE WHITE LF	GORE WHITE LF	646.4020 LINE EPOXY 10-IN			SPV.0090.01 MARKING LINE BLACK EPOXY 6-IN	646.6120 STOP LINE EPOXY 18-IN		646.8120 CURB EPOXY	646.8220 ISLAND NOSE EPOXY
		EDGELINE				ISLAND GORE WHITE LF	LEFT TURN WHITE LF	RIGHT TURN WHITE LF	LAG	MAINLINE	INTERSECTING ROADWAY	YELLOW	YELLOW
		YELLOW LF	WHITE LF			WHITE LF	WHITE LF	BLACK LF	WHITE LF	WHITE LF	YELLOW LF	YELLOW EACH	
	500' East of USH 14 Bridge to Wisconsin River Bridge	91307	84197	23872					23872				
	Exit 251A-B for USH 14 (Middleton) OFF RAMP	2709	3415	140	994								
	Exit 251A-B for USH 14 (Middleton) On RAMP	1582	2309		1306								
	Exit 250 for Airport Rd/CTH M (Middleton) OFF RAMP	947	2264		816	420							
	Exit 250 for Airport Rd/CTH M (Middleton) On RAMP	979	2346		1640								
	Exit 249 for Parmenter St (Middleton) OFF RAMP	942	1734		796	178							
	Exit 249 for Parmenter St (Middleton) On RAMP	847	2293		1372								
	House CTH K House										85 360 140	62	42
	Fisher Rd Riles Meffert Ct												
	Kalscheur Rd Driveway Kickaboo Rd												
	House 5819 Ackers Farm Stand Endres Rd												
	STH 19 Quality Erectors and Sheets CTH P											48 39	60 24
	Ramford Ct Driveway STH 19												
	Rauls Rd/Brandenburg Rd Simpson Rd Collin Rd												
	Ballweg Rd Breunig Rd CTH KP												
	Field Entrance House 6975 Herbrand Rd												
	Waterford St Driveway Dunlap Hollow Rd												
	CTH Y Driveway STH 188												
	STH 78 South Jct Mack Rd/Adams St											36	10
	TOTAL	99313	98558	24012	6924	598	7110	4257	23872	206	105	10	1

DANE COUNTY  
 USH 12  
 Sauk City to Middleton

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN		646.4020 LINE EPOXY 10-IN				SPV.0090.01 MARKING LINE BLACK EPOXY 6-IN	646.5020 ARROW EPOXY	646.5120 WORD EPOXY	646.6120 STOP LINE EPOXY 18-IN		646.7120 DIAGONAL EPOXY 12-IN	646.7420 CROSSWALK EPOXY 6-IN		646.8120 CURB EPOXY	646.8220 ISLAND NOSE EPOXY	
		EDGE LINE		LANE LINE	GORE	ISLAND GORE	LEFT TURN	RIGHT TURN	LAG	TURN LANE	TURN LANE	MAINLINE	INTERSECTING ROADWAY	MEDIAN	MAINLINE	INTERSECTING ROADWAY	YELLOW	YELLOW
		YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	BLACK LF	TYPE 2 EACH	ONLY EACH	WHITE LF	WHITE LF	YELLOW LF	WHITE LF	WHITE LF	YELLOW LF	YELLOW EACH
USH 12 EB	Wisconsin River Bridge to 500' East of USH 14 Bridge Mack Rd/Adams St STH 78 South Jct	90879	84697	23117			215 375	230	23117	2	1	36	35	256	163	107 164	20	2
	STH 188 Driveway CTH Y						385 150 355	210 360										
	Dunlap Hollow Rd Driveway Waterford St						220 160 255	155										
	Herbrand Rd Field Entrance CTH KP						160 165 255	255 210										
	Breunig Rd Ballweg Rd Collin Rd						250 255	255 240										
	Simpson Rd Rauls Rd/Brandenburg Rd STH 19						235 235 145	265 340										
	Driveway Ramford Ct CTH P						140 225 350	205 385				70	24					
	STH 19 Endres Rd House 5819						390 205 115	190 115				48	39					
	Kickaboo Rd Driveway Kalscheur Rd						220 110 120	205 205										
	Meffert Ct Riles Rd Fisher Rd						225 220	200 205										
	Field Entrance CTH K						360	100 375				65	36					
	Exit 249 for Parmenter St (Middleton) OFF RAMP Exit 249 for Parmenter St (Middleton) On RAMP	1157 981	1699 2421		714 1440													
	Exit 250 for Airport Rd/CTH M (Middleton) OFF RAMP Exit 250 at Airport Rd/CTH M (Middleton) On RAMP	1004 994	1505 2438	94	734 1462	187												
	Exit 251A for USH 14 (Middleton) OFF RAMP Exit 251A for USH 14 (Middleton) On RAMP	2086 1259	3233 4656		870 2066	126												
	TOTAL	98360	100649	23211	7286	313	6495	4705	23117	2	1	219	134	256	163	271	20	2

**VERNON COUNTY**  
**USH 14**  
**Viroqua to USH 61**

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN		646.4020 LINE EPOXY 10-IN		646.5020 ARROW EPOXY	646.8120 CURB EPOXY	646.8220 ISLAND NOSE EPOXY	<u>Comments</u>
		CENTERLINE	GORE	LEFT TURN	RIGHT TURN	TURN LANE	MAINLINE	MAINLINE	
		YELLOW LF	WHITE LF	WHITE LF	WHITE LF	TYPE 2 EACH	YELLOW LF	YELLOW EACH	
USH 14	Rusk Ave, Viroqua to USH 61 STH 82/CTH T CTH SS (WB)	86675			125				Skip RAB
	CTH M (EB) Kickapoo Kwik Stop BP			90	121	1	10	1	New arrow install
	USH 14 EB to USH 61 SB USH 61		384			1	10	1	New arrow install
	<b>TOTAL</b>	<b>86675</b>	<b>384</b>	<b>180</b>	<b>246</b>	<b>2</b>	<b>20</b>	<b>2</b>	

DO NOT PAINT WET REFLECTIVE EDGELINES

**VERNON and RICHLAND COUNTIES**  
**USH 14**  
**USH 61 to Richland Center**

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN			646.4020 LINE EPOXY 10-IN		646.5020 ARROW EPOXY	646.5120 WORD EPOXY	646.6120 STOP LINE EPOXY 18-IN	646.7120 DIAGONAL EPOXY 12-IN		
		CENTERLINE	EDGELINE		LANE LINE	LEFT TURN	RIGHT TURN	TURN LANE	TURN LANE	INTERSECTING ROADWAY	MEDIAN	GORE
		YELLOW LF	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	TYPE 2 EACH	WHITE EACH	WHITE LF	YELLOW LF	WHITE LF
USH 14	USH 61 to Congress St, Richland Center STH 131 SB CTH X	227618	5227	244496	9300				18			
	Kokamojo Rd (East Junction) High Point Dr CTH U						209					
	CTH E CTH EE CTH G						194					
	Coppernoll Hollow Rd CTH KK STH 171/CTH E						100					
	CTH Z Eden Valley Ln CTH ZZ						188		88	206		
	CTH Z Eden Valley Ln CTH ZZ						1300	8	8			
	Tuckaway Valley Rd Hive Drive Panorama Ct						94				277	
	Symons Cir Westside Dr						263	254	4			
<b>TOTAL</b>	<b>227618</b>	<b>5227</b>	<b>244496</b>	<b>9300</b>	<b>863</b>	<b>3792</b>	<b>19</b>	<b>11</b>	<b>106</b>	<b>956</b>	<b>45</b>	

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ROCK COUNTY USH 14 Evansville to Janesville		646.2020 LINE EPOXY 6-IN		646.4020 LINE EPOXY 10-IN			646.2041.S LINE WET REF EPOXY 6-IN	646.5020 ARROW EPOXY		646.5120 WORD EPOXY TURN LANE	646.6120 STOP LINE EPOXY 18- MAINLINE	646.7120 DIAGONAL EPOXY 12-IN	
ROUTE	LOCATION	CENTERLINE	LANE LINE	GORE	LEFT TURN	RIGHT TURN	EDGELINE	TURN LANE		WHITE TURN LANE	WHITE	MEDIAN	GORE
		YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	TYPE 2 EACH	TYPE 3 EACH	WHITE EACH	WHITE LF	YELLOW LF	WHITE LF
USH 14	CTH M to Joint West of USH 51	77631					160907						
	CTH M Weary Rd				275	99		2	2	1	24		
	Tolles Rd CTH H CTH E			1305	389 185	730						338 175	378
	NW River Rd N River Rd Spring Hill Dr				55 213	192						340	
	Edgewood Rd CTH F		475			98 309							
SUBTOTAL		77631	475	1305	1117	1842	160907	2	2	1	24	853	378

ROCK COUNTY USH 14 Janesville		646.2020 LINE EPOXY 6-IN			646.4020 LINE EPOXY 10-IN			646.5020 ARROW EPOXY TURN LANE	646.5120 WORD EPOXY TURN LANE	646.6120 STOP LINE EPOXY 18-IN MAINLINE	646.7120 DIAGONAL EPOXY 12-IN MEDIAN	646.5320 RAILROAD CROSSING MAINLINE
ROUTE	LOCATION	EDGELINE	LANE LINE	GORE	LEFT TURN	RIGHT TURN	TURN LANE	TURN LANE	MAINLINE	MEDIAN	MAINLINE	
		YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	TYPE 2 EACH	WHITE EACH	WHITE LF	YELLOW LF	WHITE EACH
USH 14	Joint West of USH 51 to Kennedy Rd USH 51	33500	33500	4200		389	598	5	3	129	135	
	ROCK COUNTY Jail Newville Rd Parking Lot				943	120	309 134			96		4
	Parking Lot Kennedy Rd					675 122	80 76	3	2	48		2
	SUBTOTAL		33500	33500	4200	943	1306	1197	8	5	273	135

DANE COUNTY USH 14 Madison to Oregon		646.2020 LINE EPOXY 6-IN		646.4020 LINE EPOXY 10-IN		SPV.0090.01 MARKING LINE BLACK EPOXY 6- IN LAG	646.5020 ARROW EPOXY					646.5120 WORD EPOXY TURN LANE	646.6350 DOTTED EXTENSION EPOXY 2' LINE, 2' GAP	
ROUTE	LOCATION	EDGE LINE		LANE LINE	GORE	RAMP ISLAND	BLACK	RAB					WHITE	WHITE
		YELLOW	WHITE					WHITE	WHITE	WHITE	WHITE	WHITE		
		LF	LF	LF	LF	LF	LF	TYPE 1	TYPE 2	TYPE 2R	TYPE 3	TYPE 3R	EACH	LF
3 USH 14 EB	USH 12/18 (Madison) to North Side of STH 138 McCoy Rd OFF RAMP	46200	46200	11550	250		11550							
	Lacy Rd OFF RAMP	740	1430		528	50								
	Lacy Rd On RAMP	1162	1689		632									
	Lacy Rd On RAMP	792	2006		1478									
USH 14 EB	CTH MM OFF RAMP	581	1425		528									
	Inner Circle at MM			278		170								60
	CTH MM On RAMP	897	2430		1478			3	5		1	3		74
	CTH MM On RAMP													
USH 14 WB	STH 138 OFF RAMP	1110	2376		844									20
	Inner Circle at STH 138			190		166								28
	STH 138 On RAMP	633	1953		1478			1	2	2	3			
	STH 138 On RAMP													
USH 14 WB	North Side of STH 138 to USH 12/18 Madison	46200	46200	11550	250		11550							
	STH 138 OFF RAMP	1003	1584		792									
	Inner Circle at STH 138			250		238								
	STH 138 On RAMP	844	3065	265	1821	400		3	2	2	1		4	
	CTH MM OFF RAMP	686	1742		630									
	Inner Circle at CTH MM			390		187								
USH 14 WB	CTH MM On RAMP	844	2006		1160			3	1	2	2			68
	CTH MM On RAMP													64
	Lacy Rd OFF RAMP	1160	1662		632									
	Lacy Rd On RAMP	844	1954		430									
USH 14 WB	McCoy Rd On RAMP	580	2060		1056									
	McCoy Rd On RAMP													
USH 14 WB	Exit 132A for East 12/East 18 OFF RAMP	740	1108	250										
	Exit 132B for West 12/14/18 South 151 OFF RAMP	2060	1848	175										
TOTAL		107076	122738	24898	13987	1211	23100	10	13	6	9	3	11	314

**IOWA COUNTY  
USH 18  
Dodgeville to Dane Co**

		646.2020 LINE EPOXY 6-IN EDGE LINE	
ROUTE	LOCATION	YELLOW LF	WHITE LF
USH 18 EB	1700 ft East of CTH Z Dodgeville to Dane Co Line	69608	65380
	Exit 52 Ridgeview Rd OFF RAMP	1095	2221
	Exit 52 Ridgeview Rd On RAMP	1106	2621
	Exit 58 CTH ID OFF RAMP	725	1343
USH 18 WB	Exit 58 CTH ID On RAMP	754	2155
	Dane Co Line to 1700 ft East of CTH Z	69822	65651
	Exit 58 CTH ID OFF RAMP	793	1401
	Exit 58 CTH ID On RAMP	644	2176
USH 18 WB	Exit 52 Ridgeview Rd OFF RAMP	1222	2109
	Exit 52 Ridgeview Rd On RAMP	1088	2338
TOTAL		146857	147395

DO NOT REPLACE WET REFLECTIVE LANE LINES AND CHANNELIZING LINES



**La Crosse County  
USH 53/STH 157  
Onalaska**

<u>Route</u>	<u>LOCATION</u>	646.4020 LINE Epoxy 10-IN		646.7220 Chevron Epoxy 24-IN	646.9000 REMOVAL LINE 4-IN	646.9100 REMOVAL LINE 8-IN	646.9200 REMOVAL LINE WIDE	
		Gore WHITE LF	3' LINE, 9' Gap WHITE LF	WHITE LF	4-Inch WHITE LF	8-Inch WHITE LF	18-Inch WHITE LF	24-Inch WHITE LF
USH 53 SB STH 157 EB	Main St On Ramp to Crossing Meadows Dr (CTH SS)	2115	867	880	1049	193	29	33
TOTAL		2115	867	880	1049	193	29	33

**LA CROSSE COUNTY  
USH 53/STH 35  
La Crosse**

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN			646.4020 LINE EPOXY 10-IN				646.5020 ARROW EPOXY	646.5120 WORD EPOXY	646.6120 STOP LINE EPOXY 18-IN	
		EDGE LINE YELLOW LF	WHITE LF	3' LINE, 9' Gap WHITE LF	LANE LINE WHITE LF	3' LINE, 9' Gap WHITE LF	LEFT TURN WHITE LF	RIGHT TURN WHITE LF	TURN LANE TYPE 2 EACH	TURN LANE WHITE EACH	MAINLINE WHITE LF	INTERSECTING ROADWAY WHITE LF
USH 53 NB	Livingston St to Elm St St	10930	10930		3375	192						
	Palace St		175	66				175	2	2	44	40
	George St			36		57	125	101	2	2	70	47
	USH 53 USH 53					42	375		2	2	26	
USH 53 SB	Oak Forest Dr Skip Elm St to Troy St		433	36		21	92	433	3	3	48	42
	Elm St to Livingston St	10930	10930		3375							
	Oak Forest Dr						56		1	1	40	27
	George St			33	250	21		250	2	2		
	USH 53 USH 53			36	265	24		265	2	2	55	
	George St Palace St Livingston ST					141			4	4	55	
						30	248		2	2	41	
						30	225		2	2	44	
SUBTOTAL		21860	22468	207	7265	558	1366	1224	24	24	509	156

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LA CROSSE COUNTY USH 53/STH 35 La Crosse to Holmen		646.2020 LINE EPOXY 6-IN		646.4020 LINE EPOXY 10-IN			646.5020 ARROW EPOXY		646.5120 WORD EPOXY	646.6120 STOP LINE EPOXY 18-IN			646.6320 DOTTED EXTENSION EPOXY 18-IN	646.7120 DIAGONAL EPOXY 12-IN	646.7420 CROSSWALK EPOXY 6-IN	646.8120 CURB EPOXY	646.8220 ISLAND NOSE EPOXY	
ROUTE	LOCATION	EDGE LINE		3' LINE, 9' Gap WHITE LF	LEFT TURN WHITE LF	GORE WHITE LF	RIGHT TURN WHITE LF	TURN LANE TYPE 2 EACH	TWLTL TYPE 2 EACH	TURN LANE WHITE EACH	MAINLINE WHITE LF	OFF RAMP WHITE LF	INTERSECTING ROADWAY WHITE LF	2' LINE, 2' Gap WHITE LF	GORE WHITE LF	MAINLINE WHITE LF	YELLOW LF	YELLOW EACH
		YELLOW LF	WHITE LF															
USH 53 NB	Troy St to USH 53/Holmen Dr Carter Pl TWLTL	18331	15823						2									
	Schnick Rd Bike and RIGHT TURN Schnick Rd TWLTL			177			160	2										
	Kramer Rd Bike and RIGHT TURN			198			180	2										
	Sunset Vista Dr Kramer Rd (North ISLAND) Riders Club Rd TWLTL				83			1									10	1
	Riders Club Rd Roundabout Mason St Roundabout Mason St TWLTL						161 152							33 31		70 67		
	Hilltop Dr Bike and RIGHT TURN CTH Z CTH Z to Westview Dr TWLTL			154		147		136	1 2									
	Westview Dr Bike and RIGHT TURN Cloverdale Rd TWLTL Cloverdale Rd Bike and RIGHT TURN			145 144				131 123	1 1									
	Penny Ln Bike and RIGHT TURN Penny Ln CTH OT (South JCT)			124		74 346		117 346	2 1 6		6	38		37				
	Spruce St Bike and RIGHT TURN Ulman St Scott Dr			158		102 162		140	1 1 2									
	Spring Ln Bike and RIGHT TURN Walden Pl Bike and RIGHT TURN Evergreen Way			226 190				211 175	2 1 2									
	North Ct TWLTL Pineview Dr CTH OT (North JCT)								2 2		1							
	USH 53 SB On RAMP GORE (Left Side) USH 53 NB On RAMP LEFT TURN USH 53 NB Exit RAMP GORE (Left Side)						125 146 406						23					
	TOTAL		18331	15823	1516	1437	844	1719	32	16	7	38	23	37	64	0	137	10

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LA CROSSE COUNTY  
 USH 53/STH 35  
 LA CROSSE TO HOLMEN

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ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN		646.4020 LINE EPOXY 10-IN			646.5020 ARROW EPOXY		646.5120 WORD EPOXY	646.6120 STOP LINE EPOXY 18-IN			646.6320 DOTTED EXTENSION EPOXY EPOXY 18-IN	646.7120 DIAGONAL EPOXY 12-IN	646.7420 CROSSWALK EPOXY 6-IN	
		EDGE LINE		3' LINE, 9' Gap	LEFT TURN	GORE	RIGHT TURN	TURN LANE	TWLTL	TURN LANE	MAINLINE	OFF RAMP	INTERSECTING ROADWAY		GORE	MAINLINE
		YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	TYPE 2 EACH	TYPE 2 EACH	WHITE EACH	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	YELLOW LF
STH 35 SB	Holmen Dr/USH 53 to Troy St USH 53 NB On RAMP RIGHT TURN USH 53 SB On RAMP GORE (Left Side)	18308	17559													
	CTH OT (North JCT) Pineview Dr Bike and RIGHT TURN Evergreen Way Bike and RIGHT TURN			167		163	1									
	Walden Pl Spring Ln Scott Dr Bike and RIGHT TURN				116		2									
	Ulman St Bike and RIGHT TURN Spruce St CTH OT (South JCT)			197		177	2									
	Penny Ln Cloverdale Rd Left Westview Dr				146		2									
	CTH Z Bike and RIGHT TURN CTH Z Painted ISLAND Hilltop Dr			256		205	2							118		
	Mason St Roundabout Riders Club Rd Roundabout Sunset Vista Dr Bike and RIGHT TURN					76							15		69	
	Kramer Rd Schnick Rd				134		2						29		68	
	Troy St Skip Troy St to Elm St				77		1									
	TOTAL	18308	17559	1288	1495	589	1795	34	0	7	37	26	36	44	118	137

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**CRAWFORD and VERNON COUNTY  
USH 61  
STH 60 to Readstown**

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN				646.4020 LINE EPOXY 10-IN			646.5020 ARROW EPOXY	646.5120 WORD EPOXY	646.6120 STOP LINE EPOXY 18-IN		646.7120 DIAGONAL EPOXY 12-IN	646.8020 CORRUGATED MEDIAN EPOXY
		CENTERLINE	EDGELINE		LANE LINE	GORE	LEFT TURN	RIGHT TURN	TURN LANE	TURN LANE	MAINLINE	INTERSECTING ROADWAY	GORE	GORE
		YELLOW LF	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE EACH	WHITE EACH	WHITE LF	WHITE LF	WHITE LF
USH 61	STH 60 West Jct to USH 14 Readstown 61 NB at 60 West Jct STH 60 West Jct	155313		242880	4015				4	4	35		11	52
	STH 60 East Jct STH 171 WB STH 171 EB		952					264 158				36 31 30		
	E Sunbeam Blvd (South Jct) E Sunbeam Blvd (North Jct) Sunshine Blvd							151 223 84						
	Dull Rd STH 131 USH 14							101 80				38		22
	TOTAL	155313	952	242880	4015	105	132	1061	6	4	71	135	11	74

**ROCK COUNTY  
STH 11  
CTH WC to West of IH 39**

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN				646.4020 LINE EPOXY 10-IN			646.6120 STOP LINE EPOXY 18-IN		646.7120 DIAGONAL EPOXY 12-IN		646.7420 CROSSWALK EPOXY 6-IN		646.5320 RAILROAD CROSSING
		CENTERLINE	EDGELINE		LANE LINE	GORE	LEFT TURN	RIGHT TURN	MAINLINE	INTERSECTING ROADWAY	MEDIAN	GORE	MAINLINE	INTERSECTING ROADWAY	WHITE EACH
		YELLOW LF	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE EACH
STH 11	CTH WC to Libby Ln CTH WC South of Rockport Rd	15642	32806	52587	13503		221	1743	36					2	
	Hanover Rd CTH D River Rd						684 357 356	684 367 352			279			4	
	Oakhill Rd Avalon Rd USH 51						365 671	318 999	96	50					
	Dupont Dr Venture Dr CTH G						236 960	368 955	115	109		686	280	240	
	Sage St La Prairie Ln Libby Ln						430 237 328	397							
	TOTAL	15642	32806	52587	13503	2396	4845	6183	247	159	279	686	280	240	6

PROJECT NO: 1009-13-90

HWY: VARIOUS

COUNTY: VARIOUS

MISCELLANEOUS QUANTITIES

SHEET:

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**COLUMBIA AND MARQUETTE COUNTIES  
STH 22  
STH 60 to STH 23**

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN	646.6120 STOP LINE EPOXY 18-IN		646.7120 DIAGONAL EPOXY 12-IN
		CENTERLINE YELLOW LF	MAINLINE WHITE LF	INTERSECTING ROADWAY WHITE LF	MEDIAN YELLOW LF
STH 22	STH 60 to STH 23	187297			130
	USH 51			18	
	CTH CS			16	
	CTH B			22	
	STH 44			52	
	STH 33		85		
	TOTAL	187297	85	108	130

DO NOT REPLACE WET REFLECTIVE EDGELINES AND CHANNELZING LINES

**SAUK COUNTY  
STH 23  
Reedsburg to Cooper Spring Rd**

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN	646.5020 ARROW EPOXY	646.5120 WORD EPOXY
		CENTERLINE YELLOW LF	TURN LANE TYPE 2 EACH	TURN LANE WHITE EACH
STH 23	Cooper Spring Rd to STH 33 STH 33	15734	4	2
SUB TOTAL		15734	4	2

DO NOT REPLACE WET REFLECTIVE EDGELINES

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**SAUK COUNTY  
STH 23  
Reedsburg to Cooper Spring Rd**

ROUTE	LOCATION	646.2020 LINE EPOXY 6-IN			646.4020 LINE EPOXY 10-IN	646.5020 ARROW EPOXY		646.5120 WORD EPOXY	646.6120 STOP LINE EPOXY 18-IN		646.7420 CROSSWALK EPOXY 6-IN	
		EDGELINE		LANE LINE	LEFT TURN	TURN LANE	TWLTL	TURN LANE	MAINLINE	INTERSECTING ROADWAY	MAINLINE	INTERSECTING ROADWAY
		YELLOW LF	WHITE LF	WHITE LF	WHITE LF	TYPE 2 EACH	TYPE 2 EACH	WHITE EACH	WHITE LF	WHITE LF	YELLOW LF	WHITE LF
STH 23 EB	CTH H Reedsburg to 1/4 Mile West of STH 136	5700	7400	1350			2		42	36	146	163
	CTH H Veteran Dr				101							
	Culvers Culvers to Wengel Dr Wengel Dr				60	1	12	1				
	Golf Course Rd Country Club Driveway				110 117						138	
STH 23 WB	1/4 Mile West of STH 136 to CTH H, Reedsburg	5700	7400	1350								
	Golf Course Rd 2760				111 111							
	Wenger Dr Veteran Dr				94 86	1		1	44	36	150 150	170
	SUBTOTAL	11400	14800	2700	790	2	14	2	86	72	584	333

SAUK COUNTY STH 33 STH 23 to USH 12		646.2020 LINE EPOXY 6-IN CENTERLINE YELLOW LF	646.5020 ARROW EPOXY TURN LANE TYPE 2 EACH	646.5120 WORD EPOXY TURN LANE WHITE EACH	646.7120 DIAGONAL EPOXY 12-IN MEDIAN YELLOW LF	646.6320 DOTTED EXTENSION EPOXY 18-IN 2' LINE 2' GAP WHITE LF
ROUTE	LOCATION					
STH 33	STH 23 to USH 12 STH 23	25991	4	2		
	USH 12 West RAB				111	52
	USH 12 East RAB				20	58
TOTAL		25991	4	2	131	110

SKIP EDGELINES AND CHANNELZING LINES

SAUK COUNTY STH 33 USH 12 to West Baraboo Limits		646.2020 LINE EPOXY 6-IN			646.4020 LINE EPOXY 10-IN		646.6120 STOP LINE EPOXY 18-IN		646.7120 DIAGONAL EPOXY 12-IN	646.7420 CROSSWALK EPOXY 6-IN	
ROUTE	LOCATION	CENTERLINE	EDGELINE	LANE	LEFT	RIGHT	MAINLINE	INTERSECTING	MEDIAN	MAINLINE	INTERSECTING
		YELLOW LF	YELLOW LF	LINE WHITE LF	TURN WHITE LF	TURN WHITE LF		ROADWAY WHITE LF			ROADWAY WHITE LF
STH 33	USH 12 South JCT to .23 MILES West of Draper St Pine St	3748	822	1296	78	178	83	87	10	174	192
TOTAL		3748	822	1296	78	178	83	87	10	174	192

VERNON COUNTY STH 35 Genoa to Stoddard		646.2020 LINE EPOXY 6-IN CENTERLINE YELLOW LF	646.4020 LINE EPOXY 10-IN		646.5020 ARROW EPOXY TURN LANE TYPE 2 EACH	646.5120 WORD EPOXY TURN LANE WHITE EACH	646.6120 STOP LINE EPOXY 18-IN INTERSECTING ROADWAY WHITE LF
ROUTE	LOCATION		LEFT TURN	RIGHT TURN			
			WHITE LF	WHITE LF			
STH 35	STH 56 to .1 Mile North of Protsch Coulee Rd STH 56 Gas Station (Zip STOP) MAIN St	22845		302	2	1	33
	Sylvan Glen Rd		158	300	2	1	
	STH 162 North		300	300	2	1	28
	TOTAL	22845	458	1060	12	6	61

DO NOT REPLACE WET REFLECTIVE EDGELINES

RICHLAND COUNTY STH 56 Merry Hill Rd to STH 80		646.2020 LINE EPOXY 6-IN CENTERLINE YELLOW LF	646.6120 STOP LINE EPOXY 18-IN MAINLINE WHITE LF
ROUTE	LOCATION		
STH 56	Merry Hill Rd to STH 80	77046	19
TOTAL		77046	19

DO NOT REPLACE WET REFLECTIVE EDGELINES AND CHANNELZING LINES

RICHLAND COUNTY STH 80 Muscodia to Richland Center STH 60 to CTH RC		646.2020 LINE EPOXY 6-IN CENTERLINE YELLOW LF
ROUTE	LOCATION	
STH 80	STH 60 to CTH RC	69573
TOTAL		69573

DO NOT REPLACE WET REFLECTIVE EDGELINES AND CHANNELZING LINES

JACKSON COUNTY STH 71 MONROE CO LINE TO STH 108		646.2020 LINE EPOXY 6-IN CENTERLINE YELLOW LF	EDGELINE WHITE LF
ROUTE	LOCATION		
STH 108	STH 16 to STH 71	10690	14000
TOTAL		10690	14000

GREEN AND LAFAYETTE COUNTIES STH 81 Argyle to MONROE		646.2020 LINE EPOXY 6-IN CENTERLINE YELLOW LF	646.4020 LINE EPOXY 10-IN LANE LINE WHITE LF	LEFT TURN WHITE LF	RIGHT TURN WHITE LF
ROUTE	LOCATION				
STH 81	Argyle Village Limits to STH 11 MONROE	101528	940		
	CTH C				106
	CTH J				113
	CTH M				66
	CTH N				387
	Pleasant View Complex Hwy 11			140	325
TOTAL		101528	940	140	1182

DO NOT REPLACE WET REFLECTIVE EDGELINES AND CHANNELZING LINES

<b>JUNEAU COUNTY</b> <b>STH 82</b> <b>Mauston to Adams Co Line</b>		646.2020 LINE EPOXY 6-IN		646.4020 LINE EPOXY 10-IN		646.5020 ARROW EPOXY	646.5120 WORD EPOXY	646.7120 DIAGONAL EPOXY 12-IN
ROUTE	LOCATION	CENTERLINE YELLOW LF	EDGE LINE WHITE LF	LEFT TURN WHITE LF	RIGHT TURN WHITE LF	TURN LANE TYPE 2 EACH	TURN LANE WHITE EACH	MEDIAN YELLOW LF
STH 82	Powers Rd to Adams Co Line 19th Ave CTH HH	36771			105 116			
	Wisconsin River Bridge Only 26th Ave CTH HH		3326	195	200	2	2	144
<b>TOTAL</b>		<b>36771</b>	<b>3326</b>	<b>195</b>	<b>528</b>	<b>2</b>	<b>2</b>	<b>144</b>

DO NOT REPLACE WET REFLECTIVE EDGELINES

<b>SAUK COUNTY</b> <b>STH 136</b> <b>STH 23 to STH 154</b>		646.2020 LINE EPOXY 6-IN CENTERLINE YELLOW LF	646.6120 STOP LINE EPOXY 18-IN MAINLINE WHITE LF
ROUTE	LOCATION		
STH 136	STH 23 to STH 154	43835	21
<b>TOTAL</b>		<b>43835</b>	<b>21</b>

DO NOT REPLACE WET REFLECTIVE EDGELINES AND CHANNELZING LINES

<b>LA CROSSE COUNTY</b> <b>STH 162</b> <b>Bangor to Four Corners</b>		646.2020 LINE EPOXY 6-IN CENTERLINE YELLOW LF	646.6120 STOP LINE EPOXY 18-IN MAINLINE WHITE LF
ROUTE	LOCATION		
STH 162	STH 16 to STH 71	99355	
	STH 16		29
	STH 71		24
<b>TOTAL</b>		<b>99355</b>	<b>53</b>

DO NOT REPLACE WET REFLECTIVE EDGELINES AND CHANNELZING LINES



DANE COUNTY USH 51 Roundabouts MMA Pilot  ROUTE	SPV.0060.02 MARKING GROOVED ARROW MMA						SPV.0060.03 MARKING GROOVED WORD MMA	SPV.0090.02 MARKING GROOVED LINE MMA 6-IN		SPV.0090.03 MARKING LINE MMA 10-IN	SPV.0090.04 MARKING GROOVED DOTTED EXTENSION MMA 18-IN	SPV.0090.05 MARKING GROOVED DIAGONAL MMA 12-IN		SPV.0090.06 MARKING GROOVED Block CROSSWALK MMA 12-IN
	TYPE 1 EACH	TYPE 2 EACH	TYPE 2R EACH	TYPE 3 EACH	TYPE 3R EACH	TYPE 7 EACH	ONLY EACH	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	YELLOW LF	WHITE LF
USH 51 at CTH V	10	5	4	6	3	1	1	2880	1275	2354	145	210	121	790
USH 51 at Windsor Rd	10	4	2	5	2		2	3725	2010	1640	180	26	34	1200
TOTAL	20	9	6	11	5	1	3	6605	3285	3994	325	236	155	1990

START MMA AT CROSSWALKS AND BETWEEN ROUNDABOUTS. SKIP SECOND SET OF ARROW ON APPORACHES.

SOUTHWEST EPOXY LONGLINE SUMMARY				646.2020 LINE EPOXY 6-IN		646.4020 LINE EPOXY 10-IN	646.2041.S LINE WET REF EPOXY 6-IN	646.4041.S LINE WET REF EPOXY 10-IN	636.9000 REMOVAL LINE 4-IN	636.9100 REMOVAL LINE 8-IN	636.9200 REMOVAL LINE WIDE	SPV.0090.01 MARKING LINE BLACK EPOXY 6-IN
ROUTE	MILES	COUNTY	LOCATION	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	BLACK LF
IH 39	8	COLUMBIA	Cascade Mountain Rd to Marquette Co Line	144294	177805	17361						33781
IH 90	43	LA CROSSE/JUNEAU/MONROE	State Line to USH 12	96904	117070	2288	105976	47054				105300
IH 90 REST AREA	-	LA CROSSE/MONROE	REST AREAS	66	114							
USH 12	10	JEFFERSON	USH 12/18, Cambridge to STH 26, Fort Atkinson	81243	106412	5086						
USH 12	2	SAUK	STH 60 West Jct to Wisconsin River Bridge	23968	25836	2412						2698
USH 12	31	DANE	Wisconsin River Bridge to USH 14, Middleton	197673	246430	37688						46989
USH 14	33	RICHLAND/VERNON	Rusk Ave, Viroqua to Congress St, Richland Center	319520	253796	5465						
USH 14	14.5	ROCK	CTH M, Evansville to Kennedy Rd, Janesville	111131	38175	7710	160907					
USH 14	9	DANE	USH 12/18, Madison to North of STH 138	107076	147636	15198						23100
USH 18		IOWA	USH 12/18, Madison to North of STH 139	146857	147395							
USH 53/STH 157	1	LA CROSSE	USH 53/STH 157			2982			1049	193	62	
USH 53/STH 35	1	LA CROSSE	Livingston St, La Crosse to Elm St, La Crosse	21860	29940	3148						
USH 53/STH 35	5	LA CROSSE	Troy St, La Crosse to Holmen Dr, Holmen	36639	36186	7879						
USH 61	22	VERNON/CRAWFORD	STH 60 to USH 14, Readstown	156265	246895	1298						
STH 11	7.5	ROCK	CTH WC to Libby Ln, Janesville	48448	66090	13424						
STH 22	33.5	MARQUETTE/COLUMBIA	STH 60 to STH 23	187297								
STH 23	4.5	SAUK	CTH H, Reedsburg to STH 33	27134	17500	790						
STH 33	5	SAUK	STH 23 to USH 12	25991								
STH 33	1	SAUK	USH 12 to Draper Rd, Baraboo	4570	1296	256						
STH 35	6	VERNON	STH 56, Genoa to Protsch Coulee Rd, Stoddard	22845		1518						
STH 56	7	RICHLAND	STH 80 to Spry Hill Dr	77046								
STH 71		JACKSON	MONORE CO LINE TO STH 108	10690	14000							
STH 80	9.5	RICHLAND	STH 60 to CTH RC, Richland Center	69573								
STH 81	13	GREEN/LAFAYETTE	Argyle to STH 11, Monroe	101528	940	1322						
STH 82	5.5	JUNEAU	Powers Rd, Mauston to Adams Co Line	36771	3326	723						
STH 136	5.5	SAUK	STH 154 to STH 23	43835								
STH 162	12.5	LA CROSSE	STH 16, Bangor to STH 71, Four Corners	99355								
	290	TOTAL		2198579	1676842	126548	266883	47054	1049	193	62	211868

PROJECT NO: 1009-13-90

HWY: VARIOUS

COUNTY: VARIOUS

MISCELLANEOUS QUANTITIES

SHEET:

E

SOUTHWEST EPOXY SPECIAL MARKING SUMMARY			646.5020 ARROW EPOXY WHITE EACH	646.5120 WORD EPOXY WHITE EACH	646.5220 SYMBOL EPOXY WHITE EACH	646.5320 RAILROAD MARKING WHITE EACH	646.6120 STOP LINE EPOXY 18-IN WHITE LF	646.6350 DOTTED EXTENSION EPOXY WHITE LF	646.7020 DIAGONAL EPOXY 6-IN WHITE LF	646.7120 DIAGONAL EPOXY 12-IN YELLOW LF	646.7220 CHEVRON EPOXY 24-IN WHITE LF	646.7420 CROSSWALK EPOXY 6-IN WHITE LF	646.8020 CORRUGATED MEDIAN YELLOW SF	646.8120 CURB EPOXY YELLOW LF	646.8220 ISLAND NOSE EPOXY YELLOW EACH	646.8320 4-IN PARKING STALL WHITE LF	SPV.0090.07 MARKING 6-IN PARKING STALL WHITE LF	
ROUTE	COUNTY	LOCATION																
IH 39	COLUMBIA	Cascade Mountain Rd to Marquette Co Line					29											
IH 90	LA CROSSE/JUNEAU/MONROE	State Line to USH 12	14	12			673											
IH 90 REST AREA	LA CROSSE/MONROE	REST AREAS	4		6		19		383		64		241				2394	3375
USH 12	JEFFERSON	USH 12/18, Cambridge to STH 26, Fort Atkinson	2	2														
USH 12	SAUK	STH 60 West Jct to Wisconsin River Bridge	43	11			308			1900	90		336		330	31		
USH 12	DANE	Wisconsin River Bridge to USH 14, Middleton	2	1			664			256			434		30	3		
USH 14	RICHLAND/VERNON	Rusk Ave, Viroqua to Congress St, Richland Center	21	11			106			956	45				20	2		
USH 14	ROCK	CTH M, Evansville to Kennedy Rd, Janesville	12	6		6	297			988	378							
USH 14	DANE	USH 12/18, Madison to North of STH 138	41	11				314										
USH 53/STH 157	LA CROSSE	USH 53/STH 157										880						
USH 53/STH 35	LA CROSSE	Livingston St, La Crosse to Elm St, La Crosse	24	24			665											
USH 53/STH 35	LA CROSSE	Troy St, La Crosse to Holmen Dr, Holmen	82	14			197	108		118			274		10	1		
USH 61	VERNON/CRAWFORD	STH 60 to USH 14, Readstown	6	4			206				11			74				
STH 11	ROCK	CTH WC to Libby Ln, Janesville				6	406			279	686		520					
STH 22	MARQUETTE/COLUMBIA	STH 60 to STH 23					193			130								
STH 23	SAUK	CTH H, Reedsburg to STH 33	20	4			158						917					
STH 33	SAUK	STH 23 to USH 12	4	2				110		131								
STH 33	SAUK	USH 12 to Draper Rd, Baraboo					170			10			366					
STH 35	VERNON	STH 56, Genoa to Protsch Coulee Rd, Stoddard	12	6			61											
STH 56	RICHLAND	STH 80 to Spry Hill Dr					19											
STH 82	JUNEAU	Powers Rd, Mauston to Adams Co Line	2	2						144								
STH 136	SAUK	STH 154 to STH 23					21											
STH 162	LA CROSSE	STH 16, Bangor to STH 71, Four Corners					53											
TOTAL			289	110	6	12	4245	532	383	4912	1274	880	3088	74	390	37	2394	3375

PROJECT NO: 1009-13-90

HWY: VARIOUS

COUNTY: VARIOUS

MISCELLANEOUS QUANTITIES

SHEET:

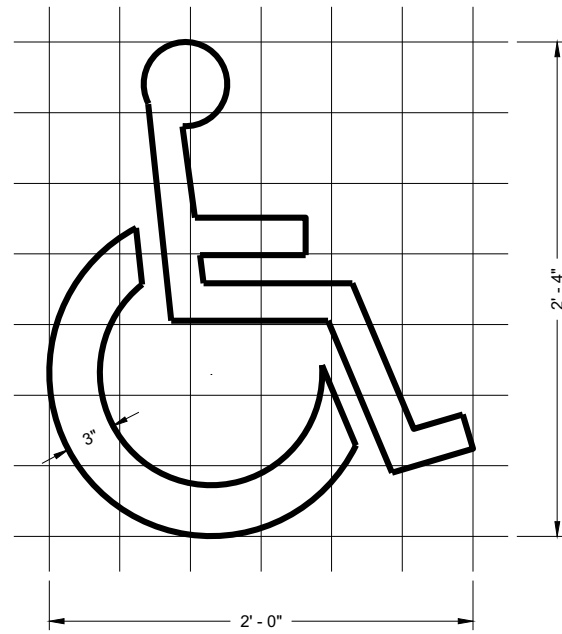
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## Standard Detail Drawing List

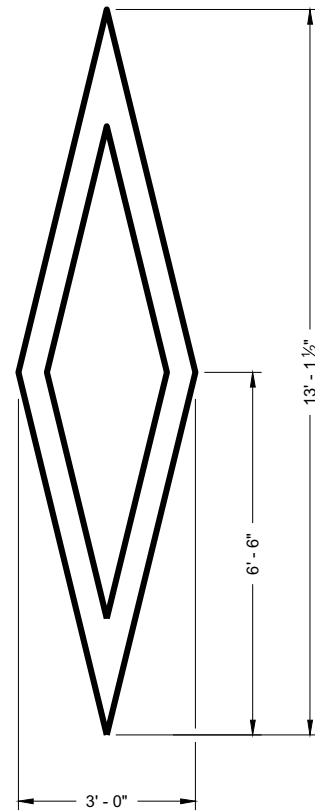
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15D	ROUNDBOUT ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C09-13A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-08A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-08C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C19-08A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-08B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-08C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C31-05A	PAVEMENT MARKING EXIT RAMP AND PARALLEL EXIT RAMP
15C31-05B	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-05C	PAVEMENT MARKING ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP
15C31-05D	PAVEMENT MARKING LANE DROP AND LANE REDUCTION
15C33-04	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)
15C36-01	PARKING STALL MARKING
15D12-11A	TRAFFIC CONTROL, LANE CLOSURE
15D20-07A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-07B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-07C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D37-03	TRAFFIC CONTROL, 2-LANE ROUNDBOUT
15D43-02	TRAFFIC CONTROL, SHORT DURATION MOBILE OPERATIONS
15D50-03A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-03B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

**GENERAL NOTES**

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



**HANDICAP SYMBOL**



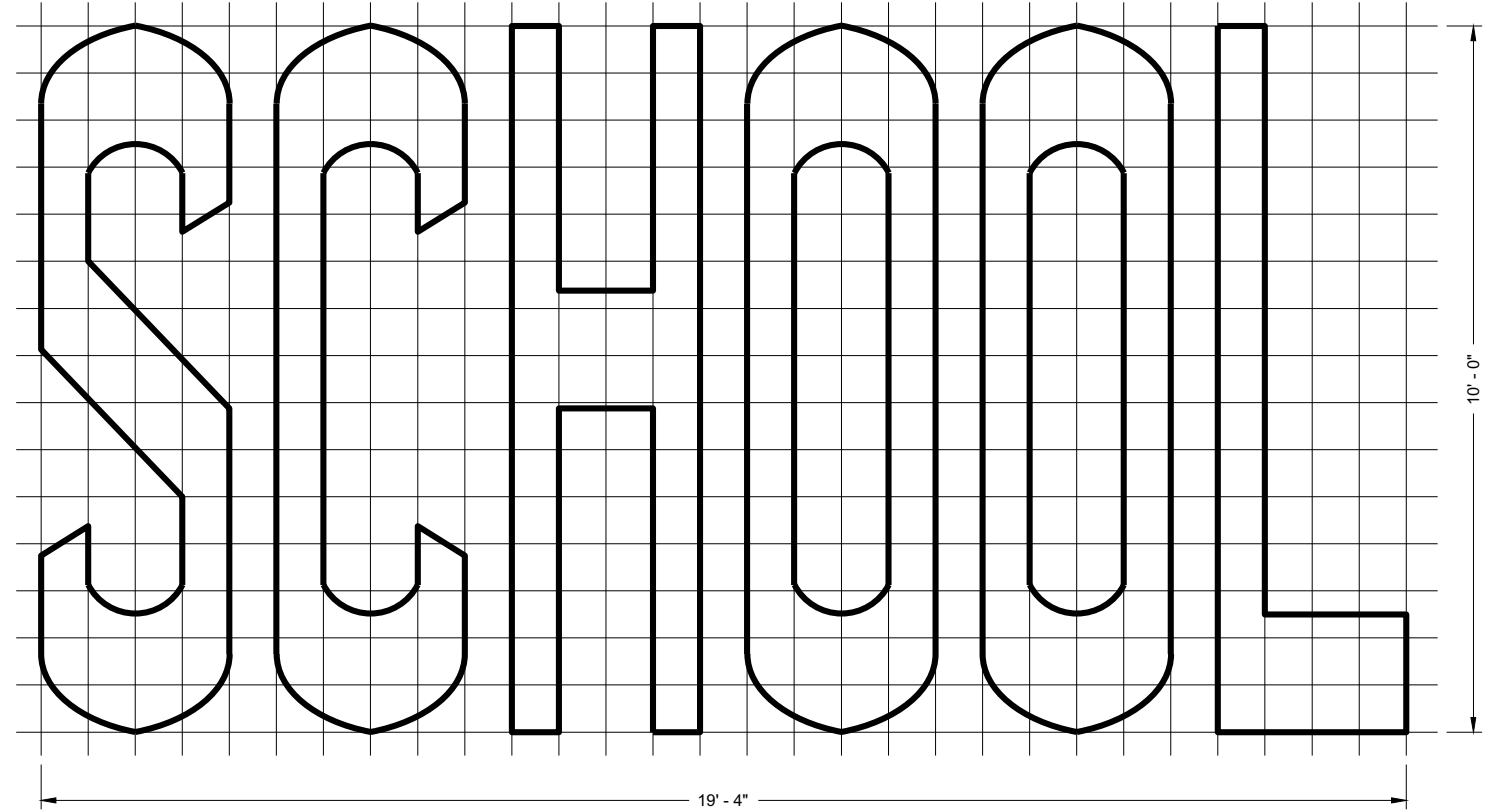
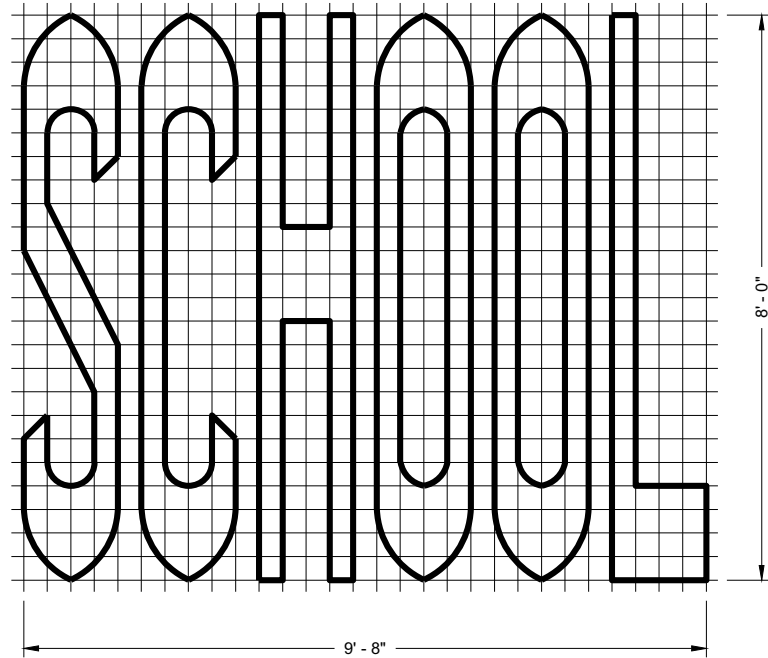
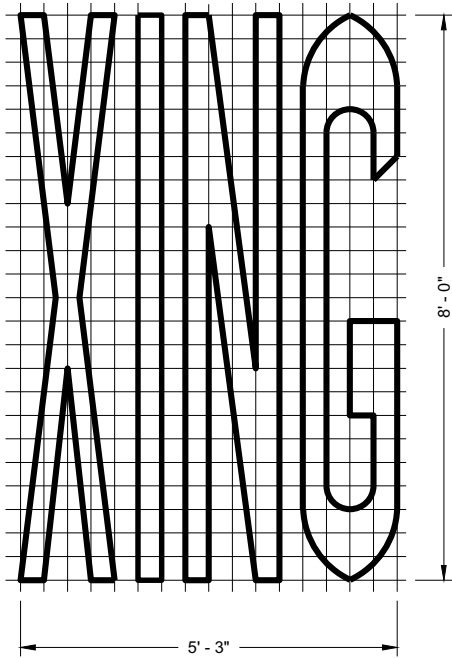
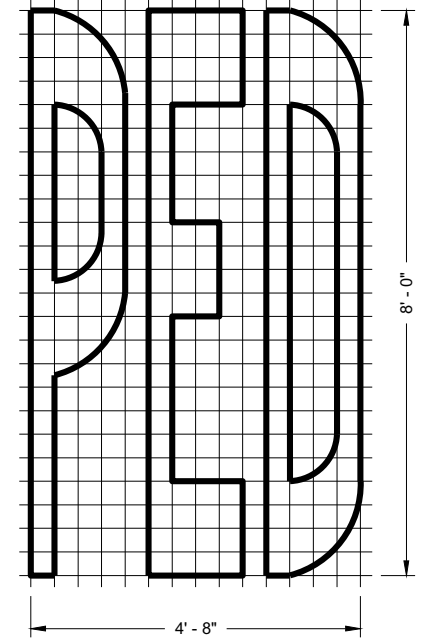
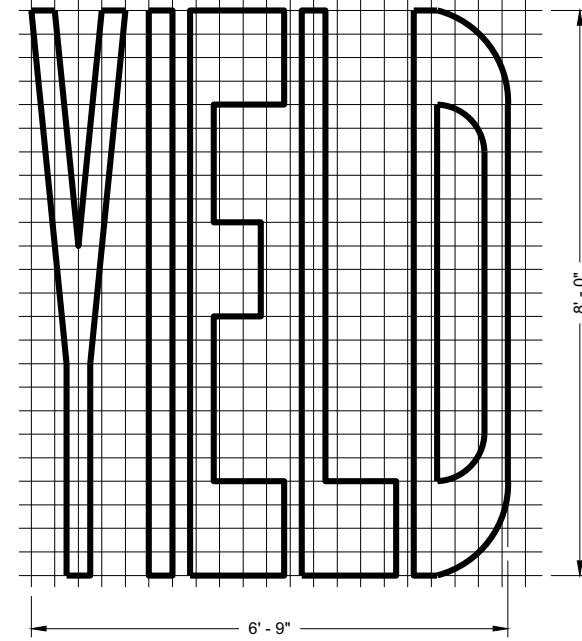
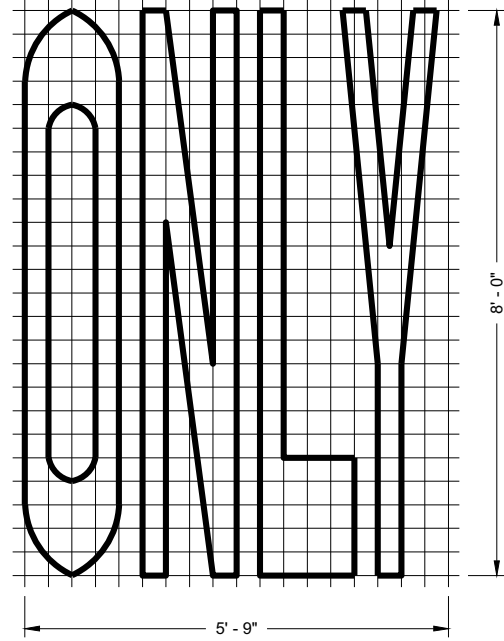
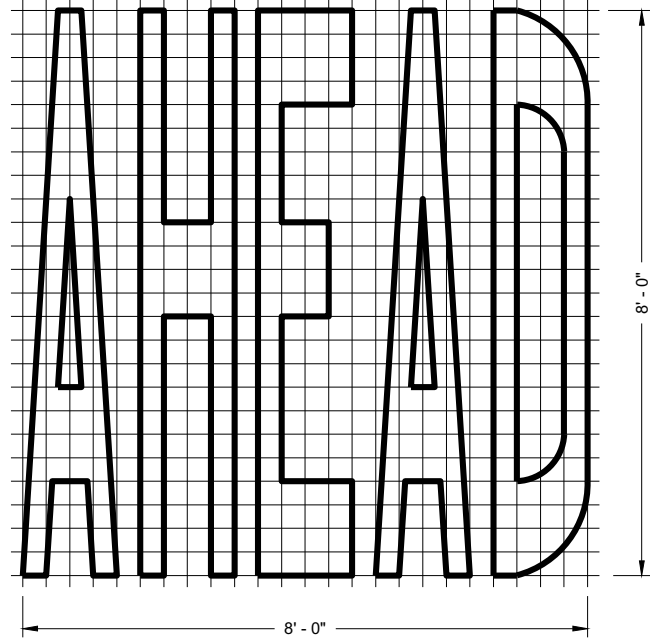
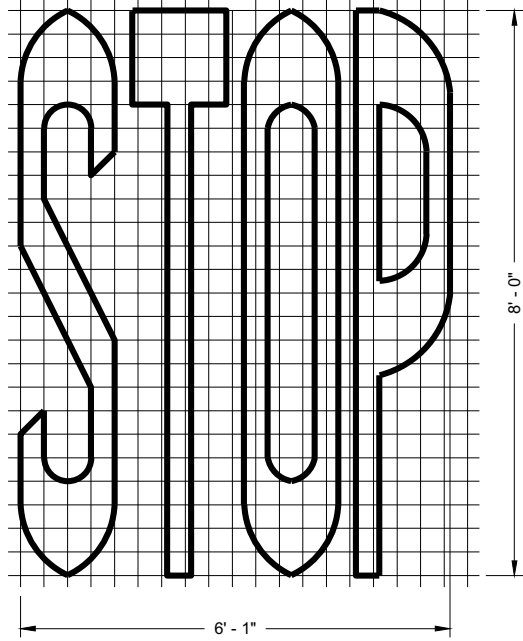
**PREFERENTIAL LANE SYMBOL**

**PAVEMENT MARKING SYMBOLS**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2019 /S/ Matthew Rauch  
DATE STATE SIGNING AND MARKING  
ENGINEER

FHWA



SINGLE LANE

TWO - LANE

**GENERAL NOTES**

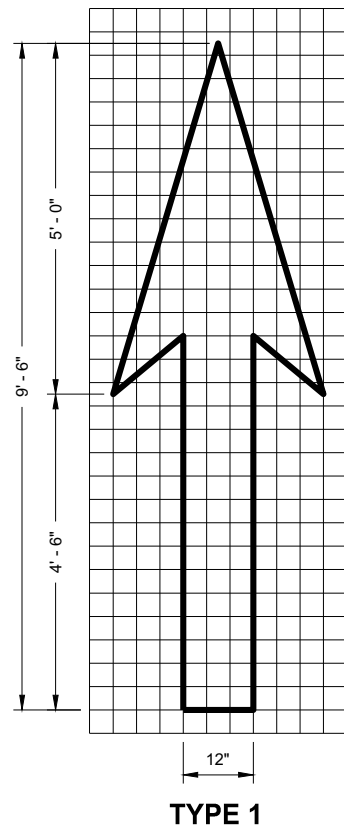
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

**PAVEMENT MARKING WORDS**

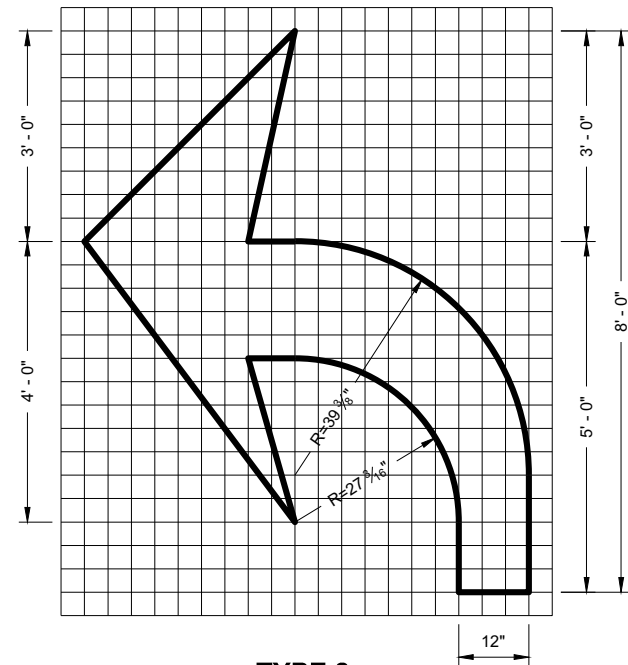
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2019 /S/ Matthew Rauch  
DATE STATE SIGNING AND MARKING  
ENGINEER

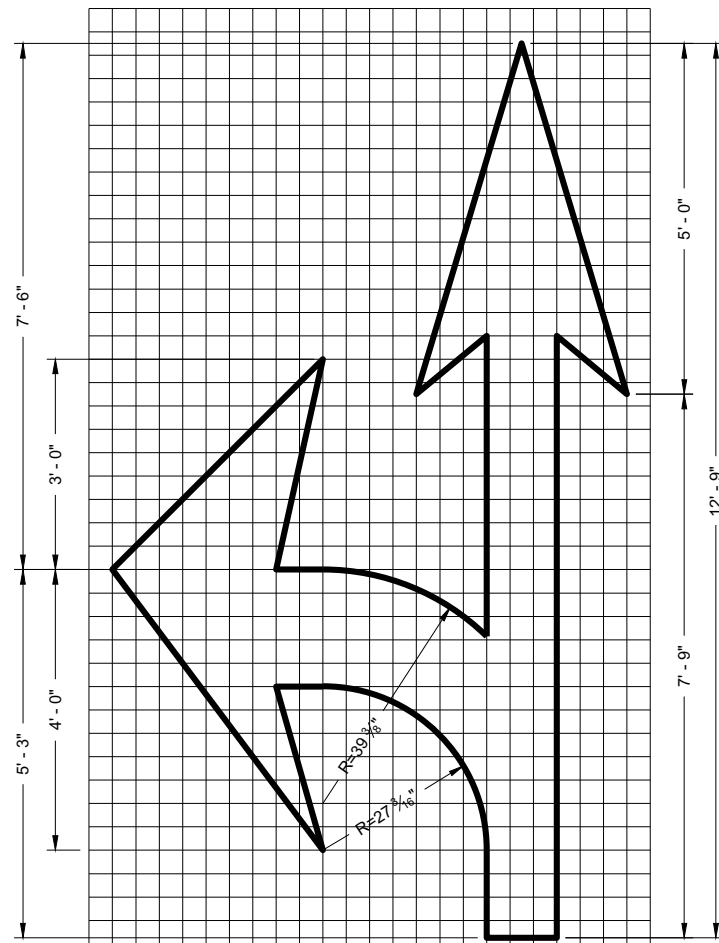
FHWA



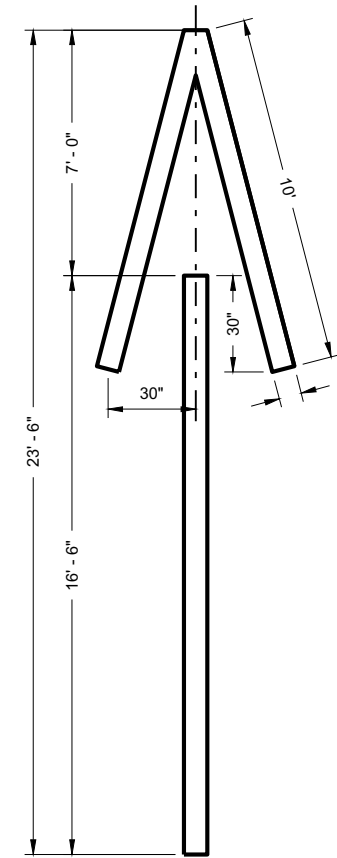
TYPE 1



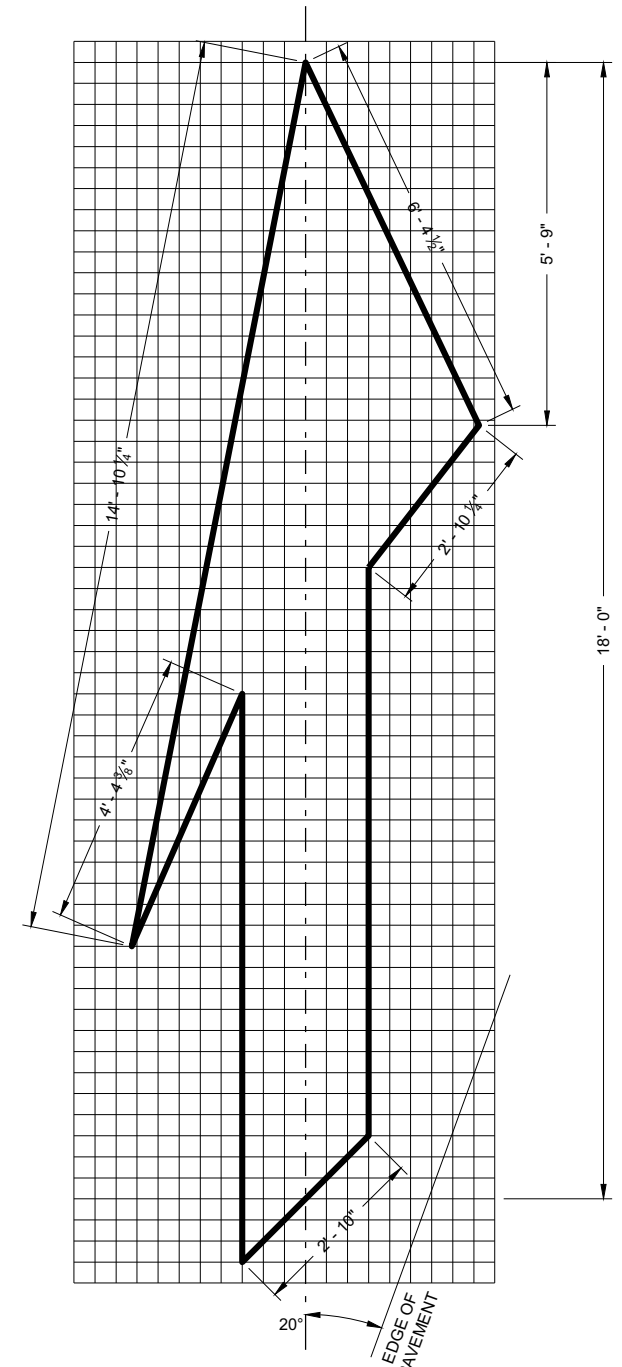
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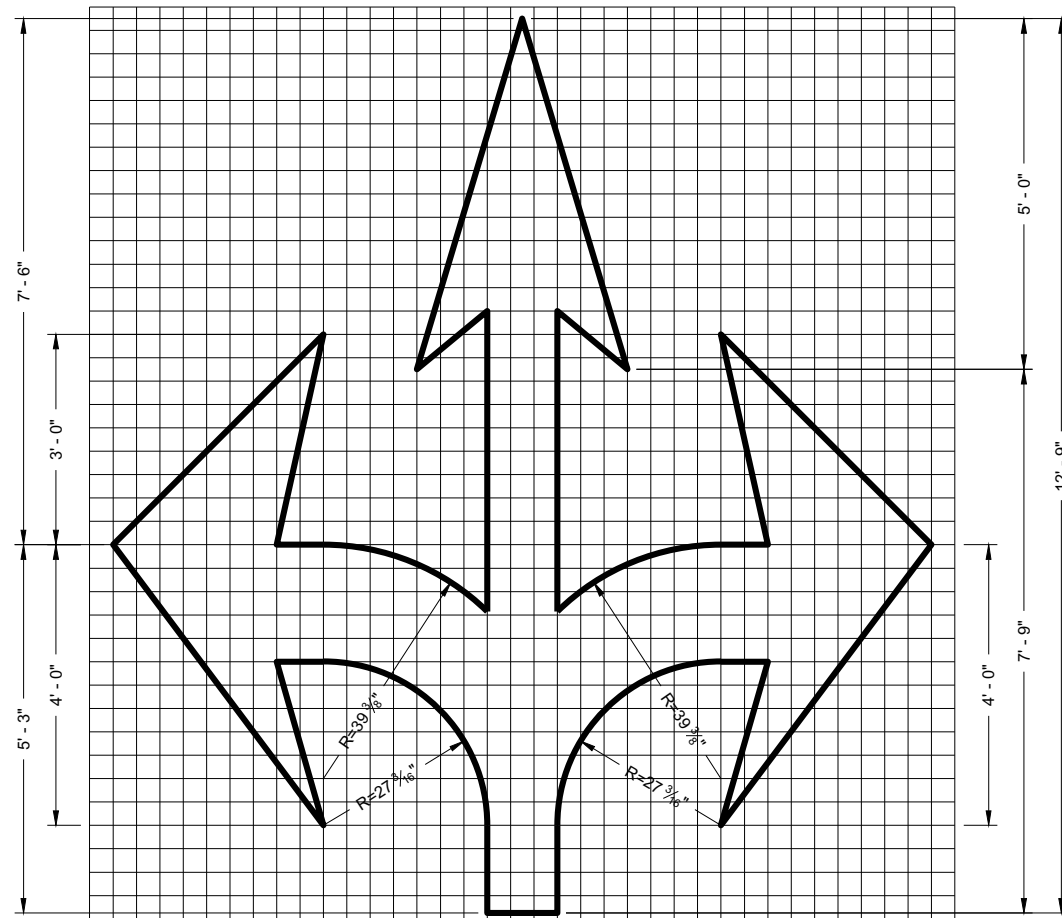
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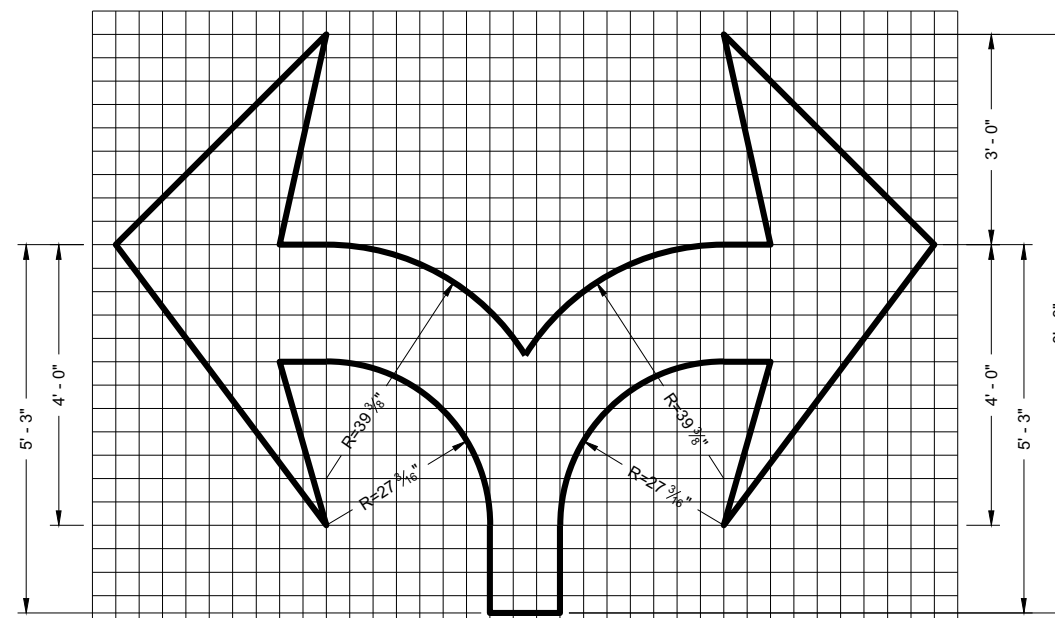
TYPE 4



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 2019

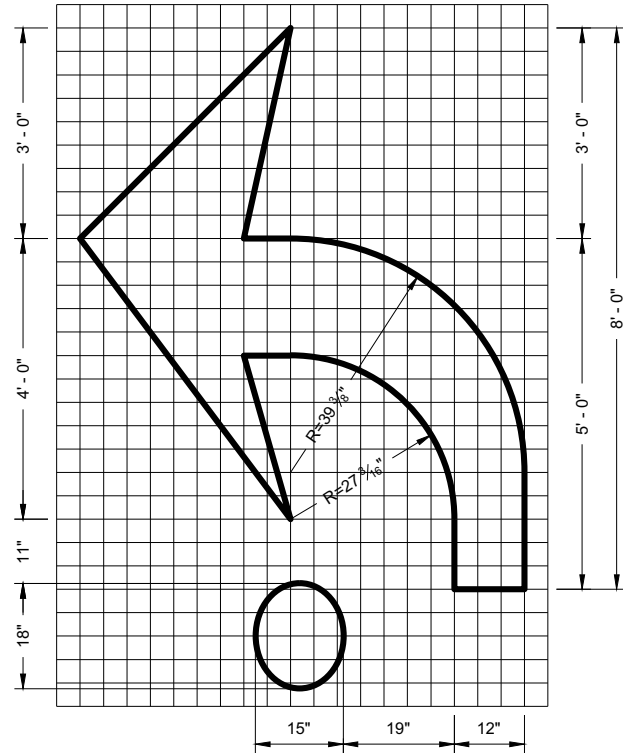
DATE

FHWA

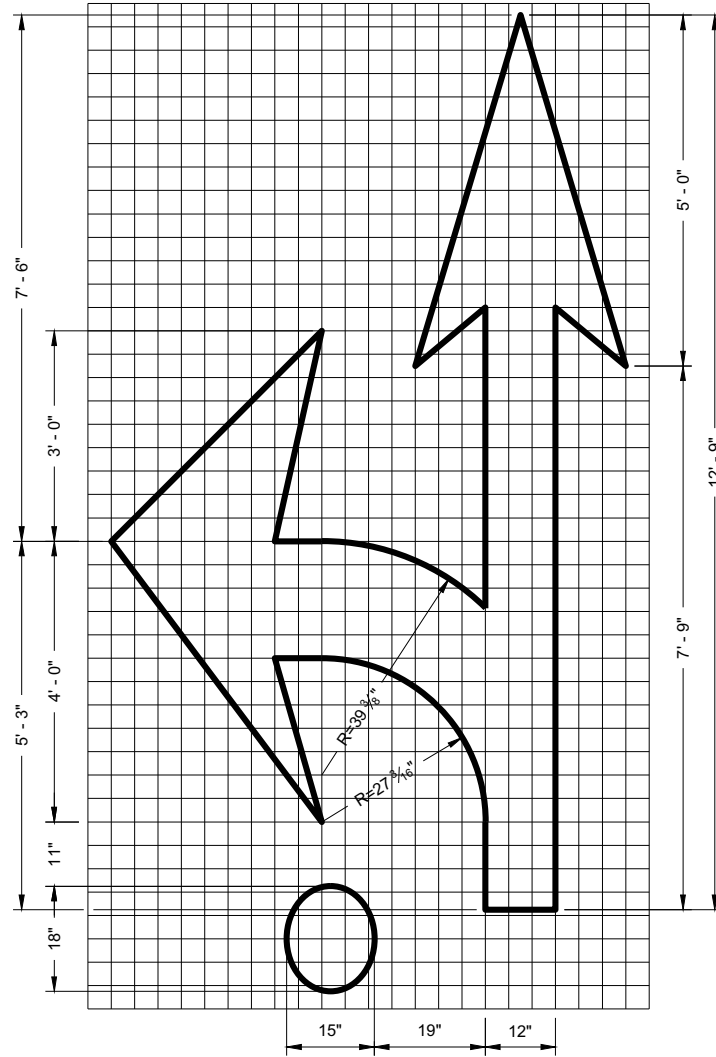
/s/ Matthew Rauch  
STATE SIGNING AND MARKING  
ENGINEER

**GENERAL NOTES**

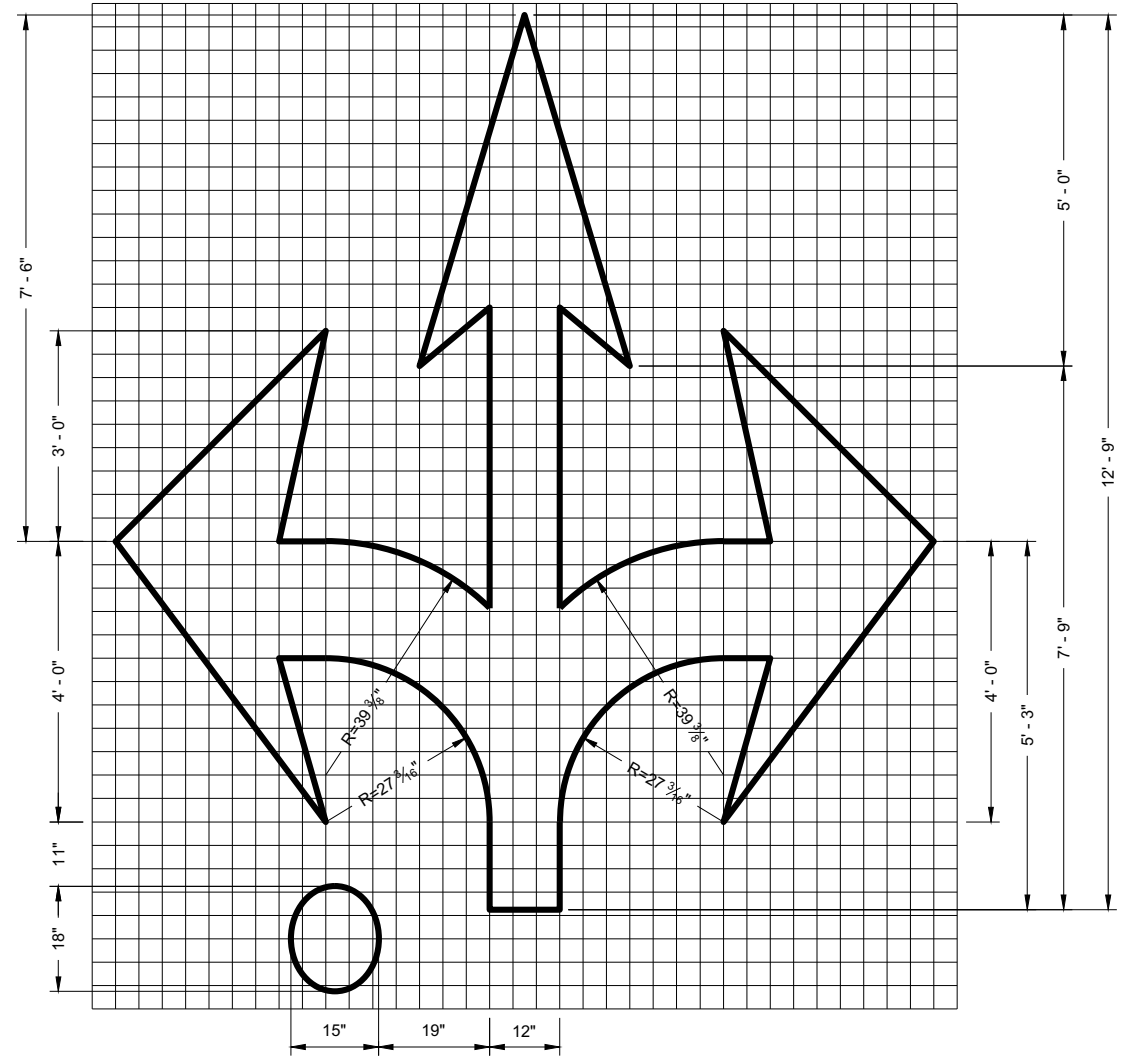
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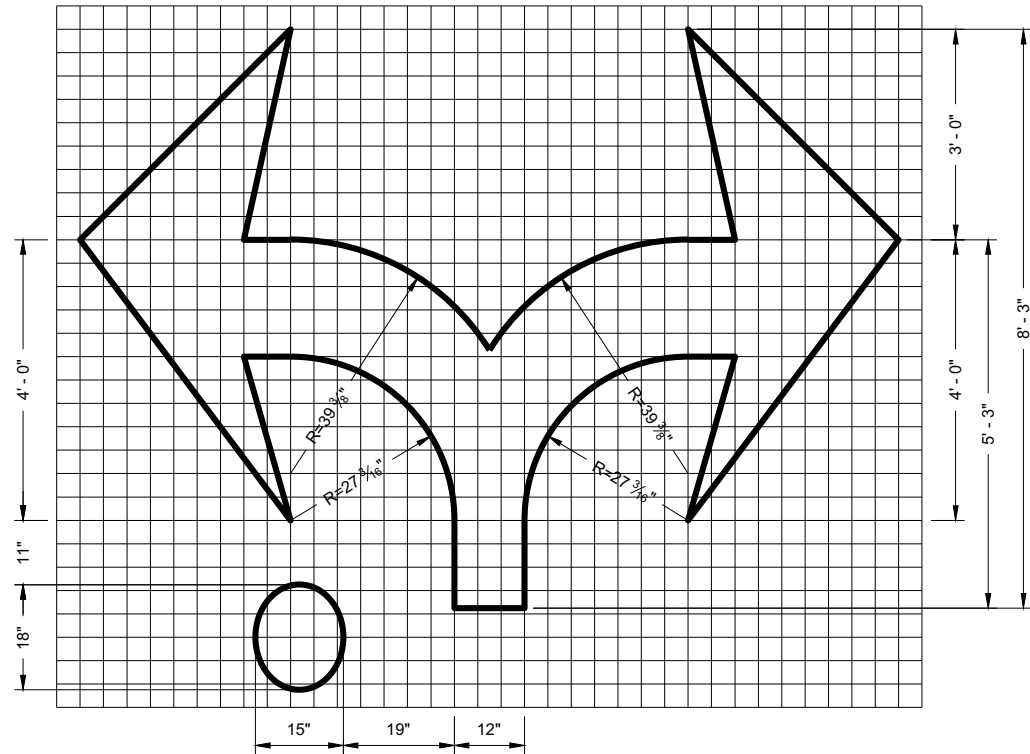
**TYPE 2R**



**TYPE 3R**



**TYPE 6R**



**TYPE 7R**

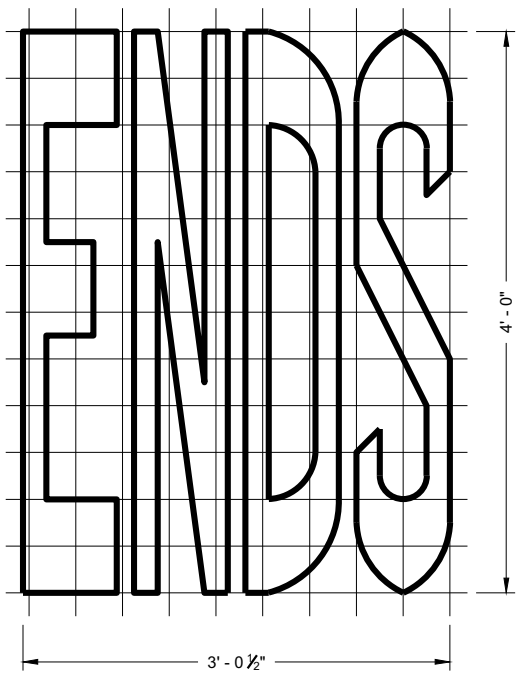
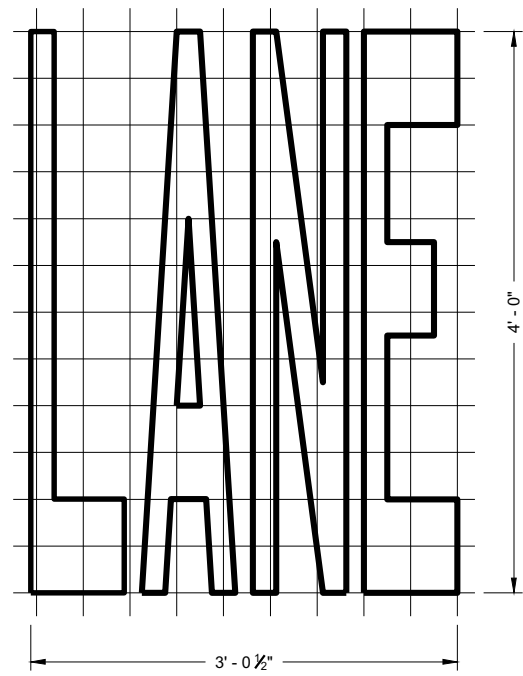
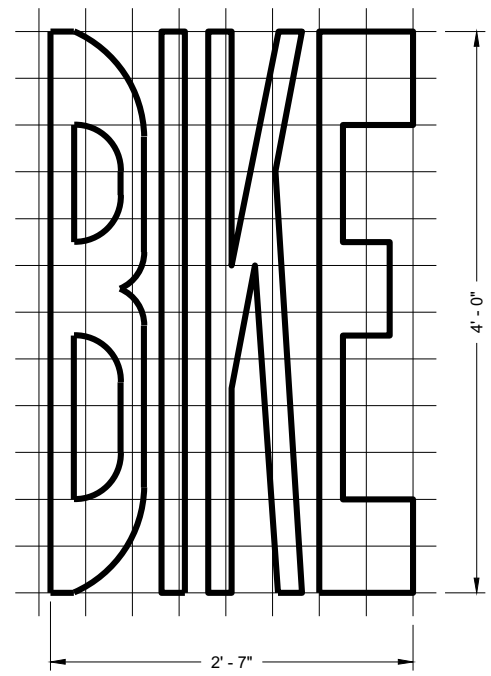
**ROUNDBOUT  
MARKING ARROWS**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2019 /S/ Matthew Rauch  
DATE STATE SIGNING AND MARKING  
ENGINEER

FHWA

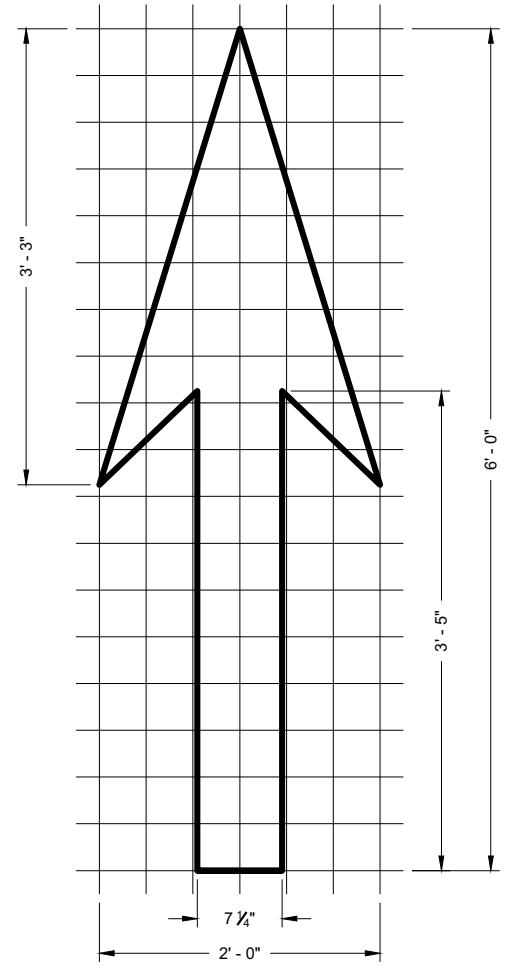
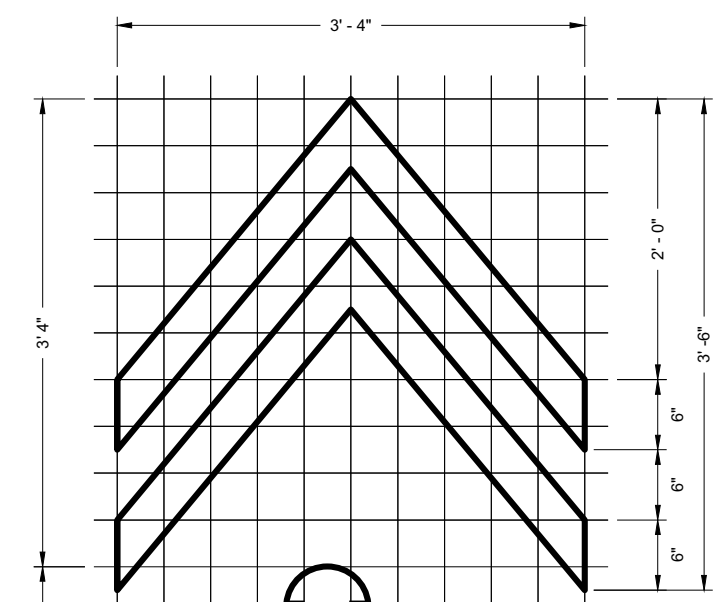




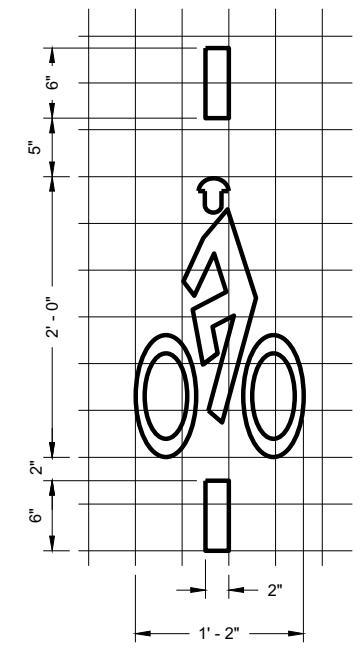
BIKE LANE WORDS

**GENERAL NOTES**

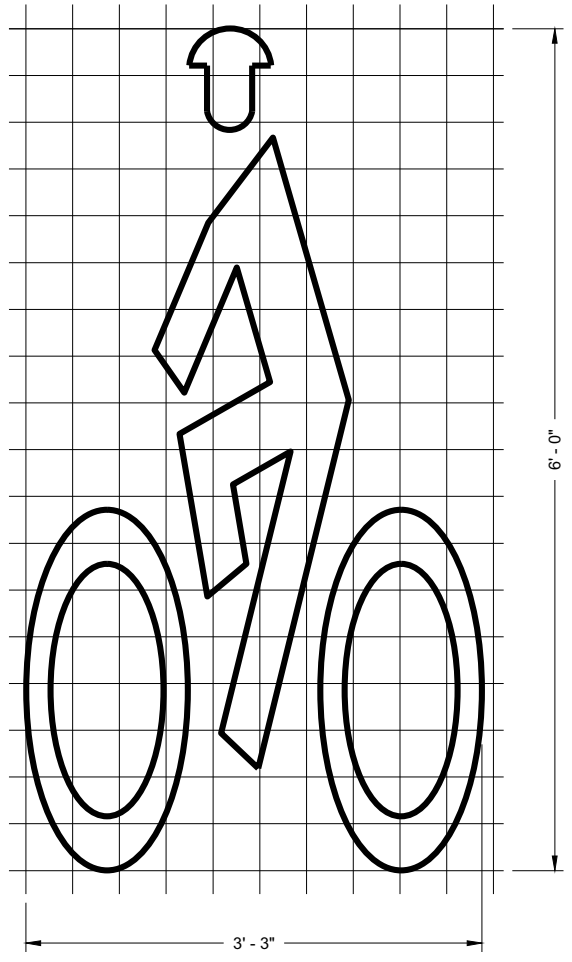
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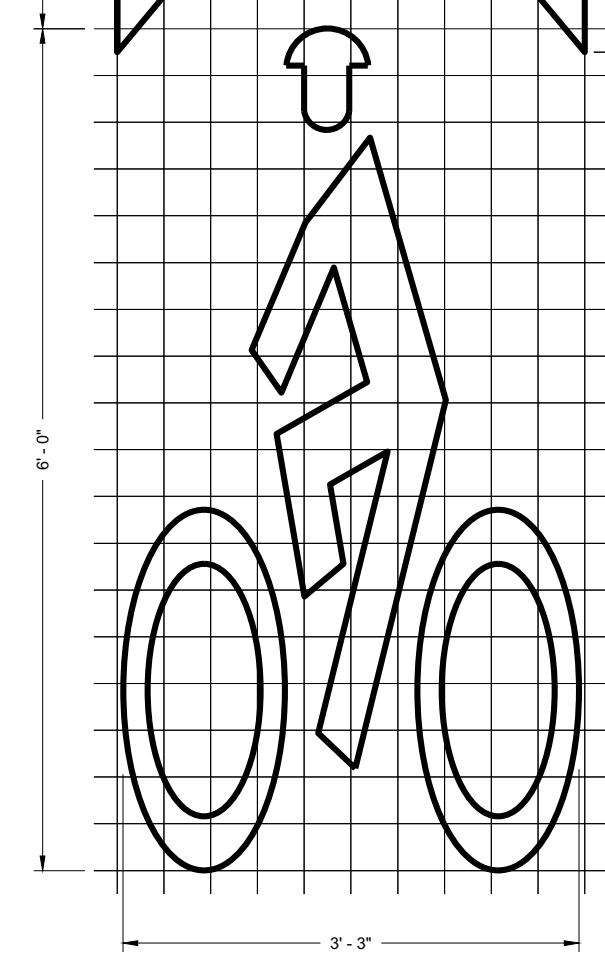
BIKE LANE ARROW



BIKE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL



BIKE LANE SYMBOL FOR SHARED LANE

6

6




<b>PAVEMENT MARKING FOR BIKE LANES</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2019 DATE	/s/ Matthew Rauch STATE SIGNING AND MARKING ENGINEER
FHWA	

**GENERAL NOTES**

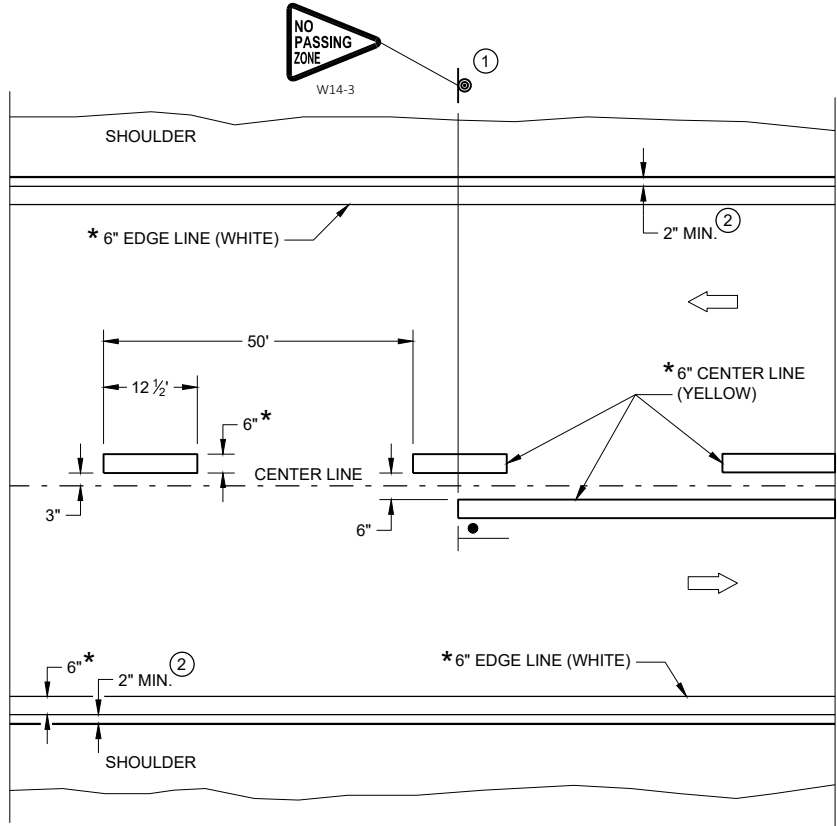
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- 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.

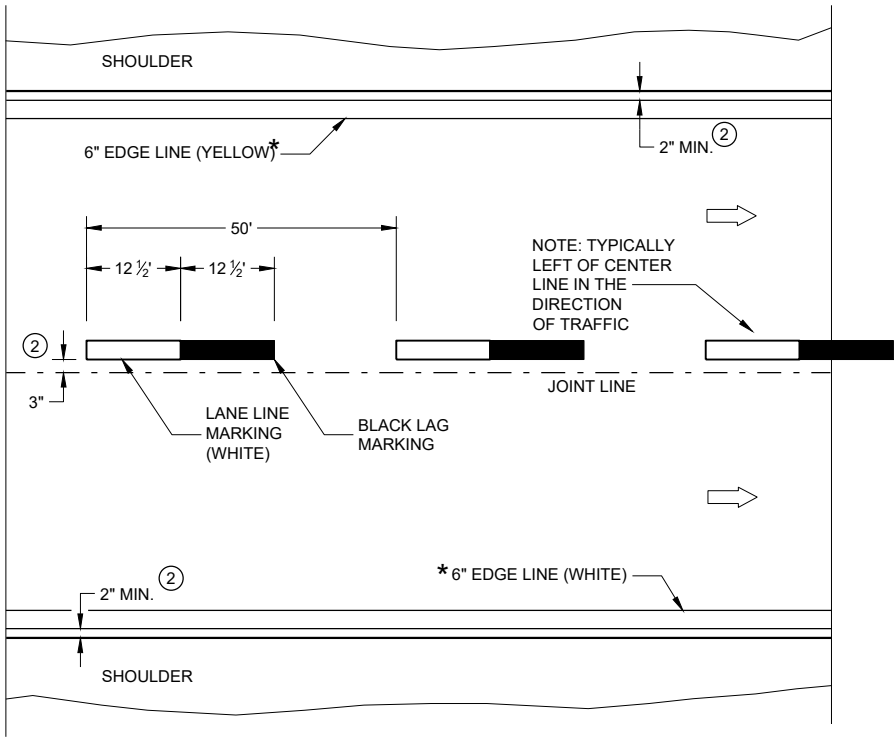
**LEGEND**

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

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



**TWO WAY TRAFFIC**



**ONE WAY TRAFFIC**

**PERMANENT PAVEMENT MARKING**

6

6

SDD 15C08-23a

SDD 15C08-23a

**PERMANENT LONGITUDINAL PAVEMENT MARKINGS**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
DATE: May 2023 /S/ Jeannie Silver  
STATEWIDE SIGNING AND MARKING ENGINEER

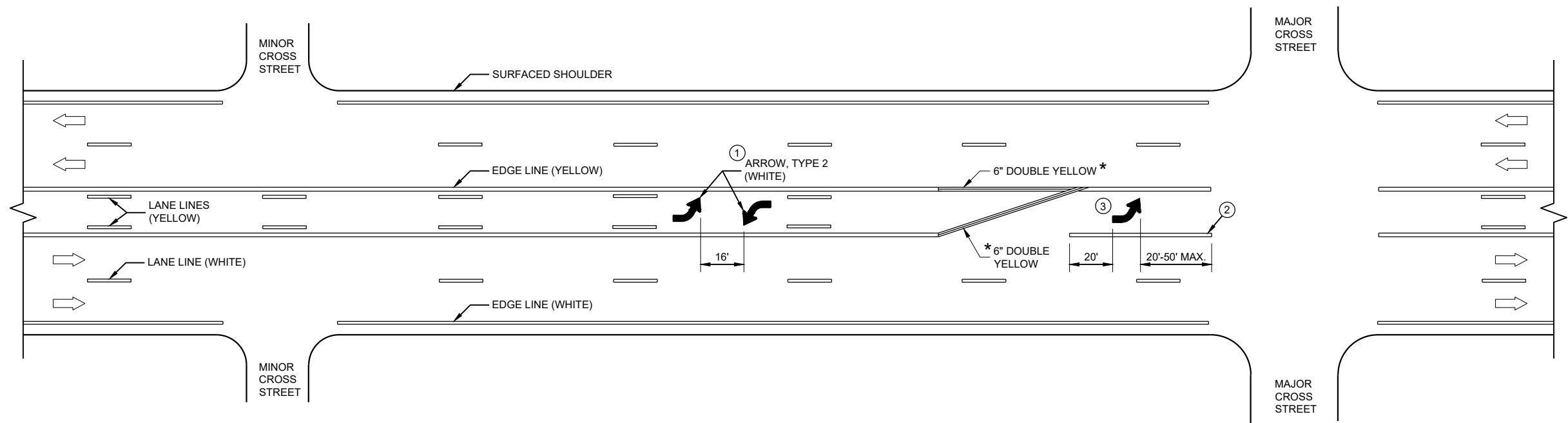
FHWA

**GENERAL NOTES**

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

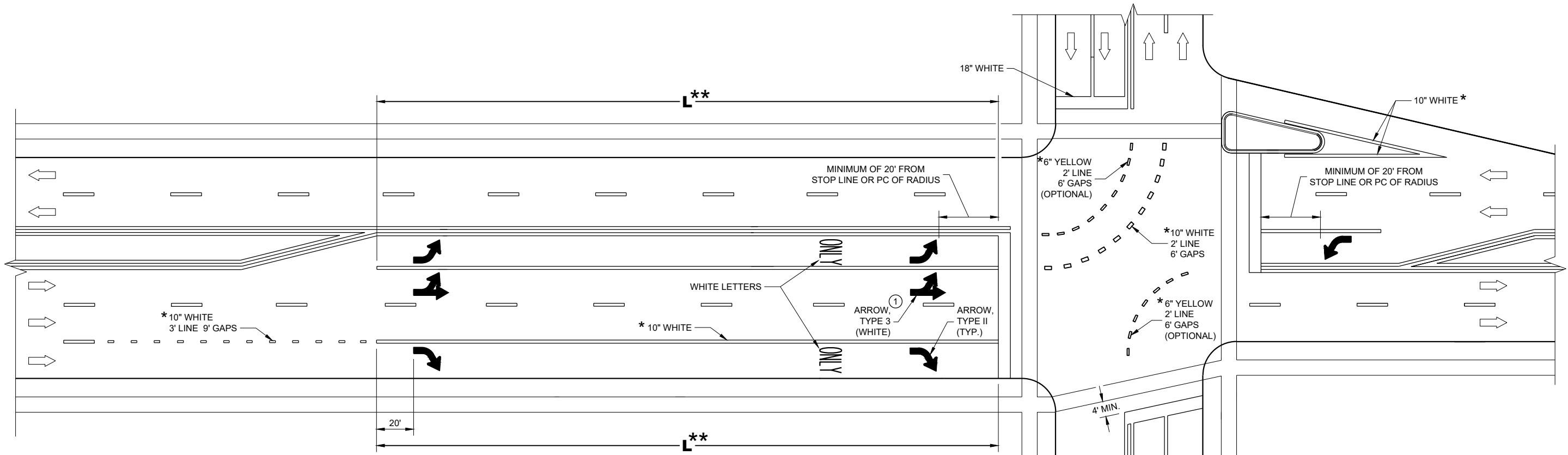
➡ DIRECTION OF TRAFFIC

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



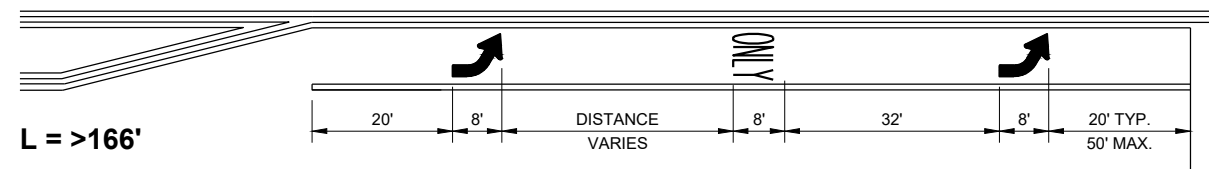
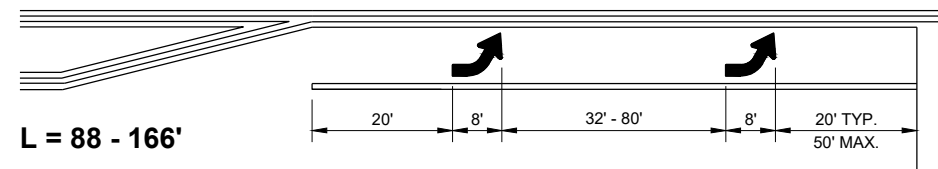
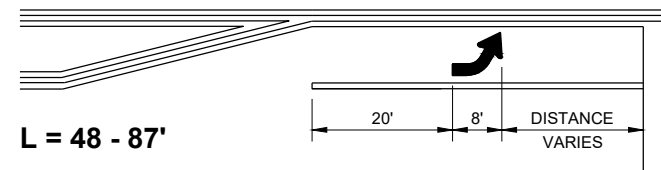
**TWO WAY LEFT TURN LANE**

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



**TURN LANE OPTIONS**

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



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

**GENERAL NOTES**

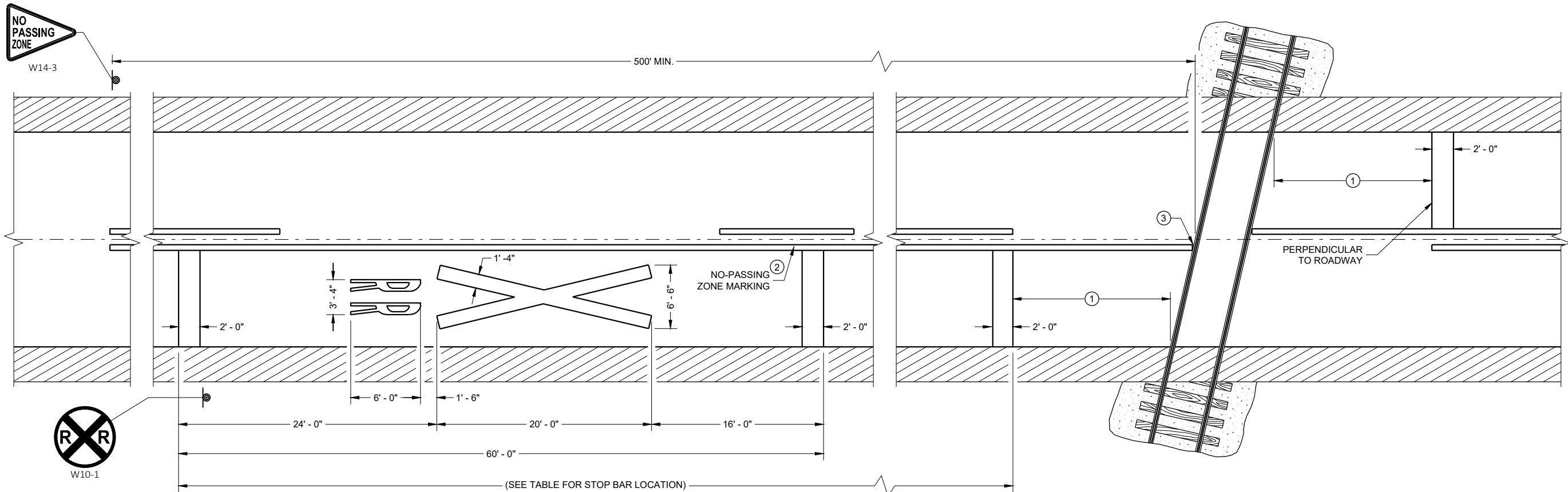
① QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

➡ DIRECTION OF TRAFFIC

**L** = LENGTH OF TURN BAY

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

<b>PAVEMENT MARKING (TURN LANES)</b>
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.

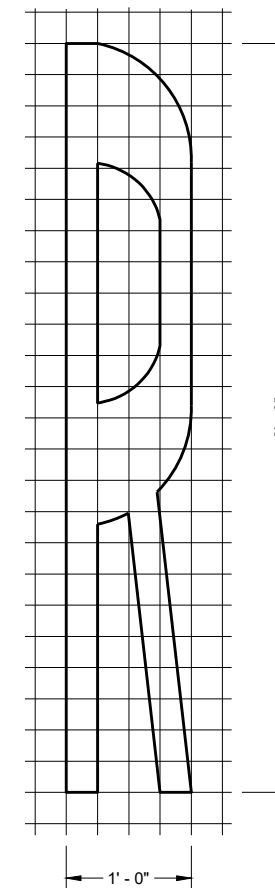
- ① PLACE STOP BAR APPROXIMATELY 8 FEET IN ADVANCE OF THE GATE (IF PRESENT), BUT NO CLOSER THAN 15 FEET IN ADVANCE OF THE NEAREST RAIL. FIELD-FIT STOP BAR TO MAXIMIZE VIEW OF APPROACHING TRAIN.
- ② 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE 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.

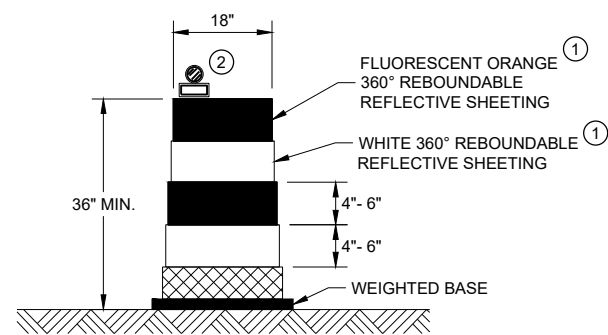


**SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

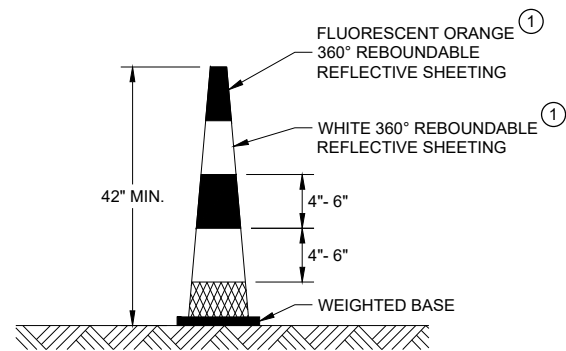
APPROVED  
May 2023 DATE /S/ Matthew R. Rauch  
STATE SIGNING AND MARKING ENGINEER

FHWA



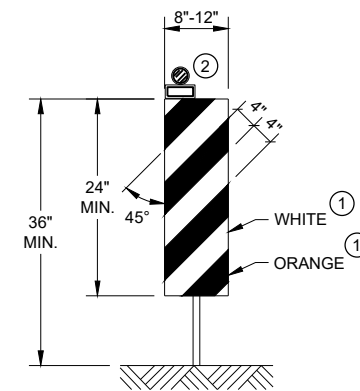
**DRUM**

BALLAST WIDTHS  
RANGE FROM 24"-36"



**42" CONE**

DO NOT USE IN TAPERS  
1/2 SPACING OF DRUMS  
BALLAST WIDTHS  
RANGE FROM 14"-20"

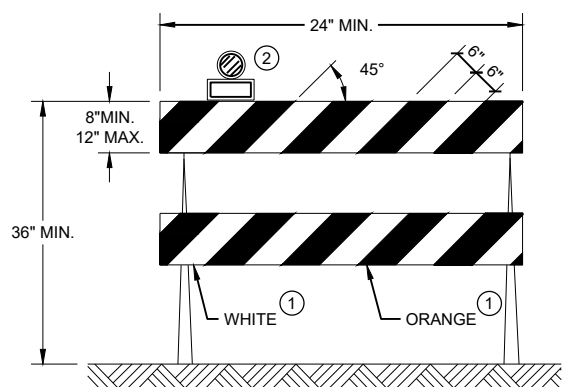


**VERTICAL PANEL**

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

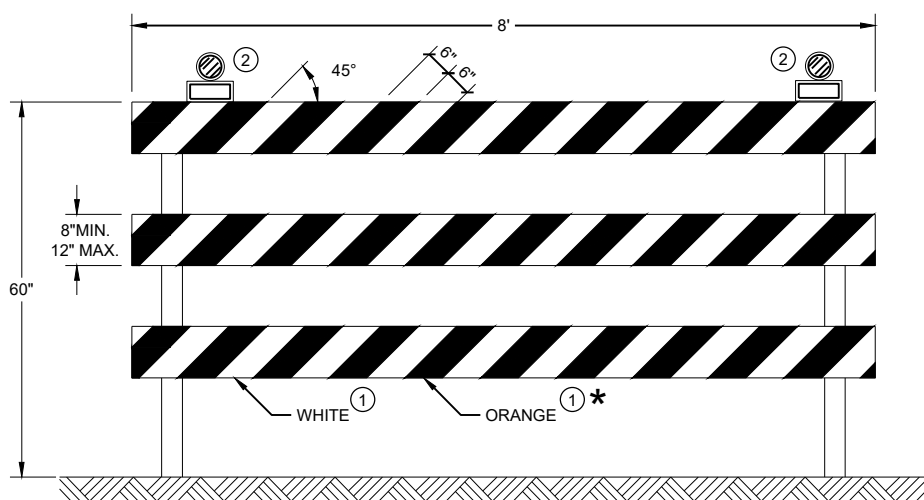
**GENERAL NOTES**

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



**TYPE II BARRICADE**

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES  
MAY BE USED. ALL 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.

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

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
 November 2022 /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**

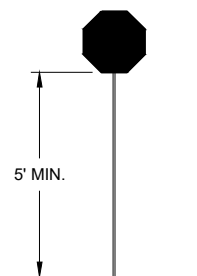
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- 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.



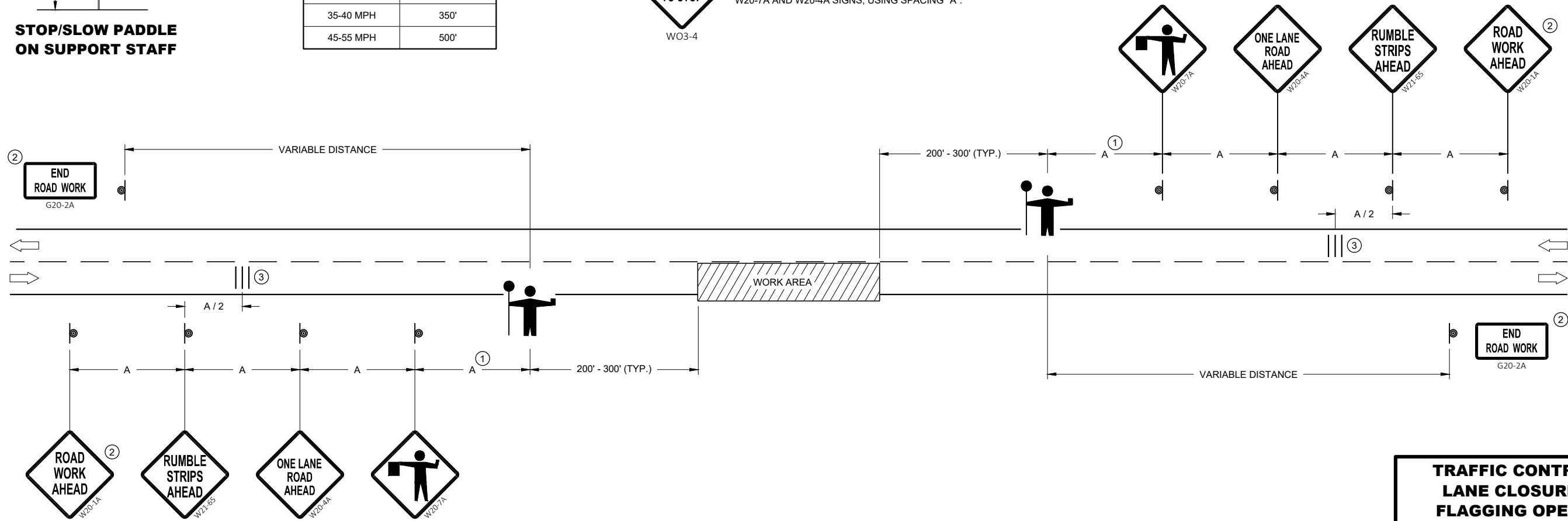
**STOP/SLOW PADDLE ON SUPPORT STAFF**

**SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE**

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



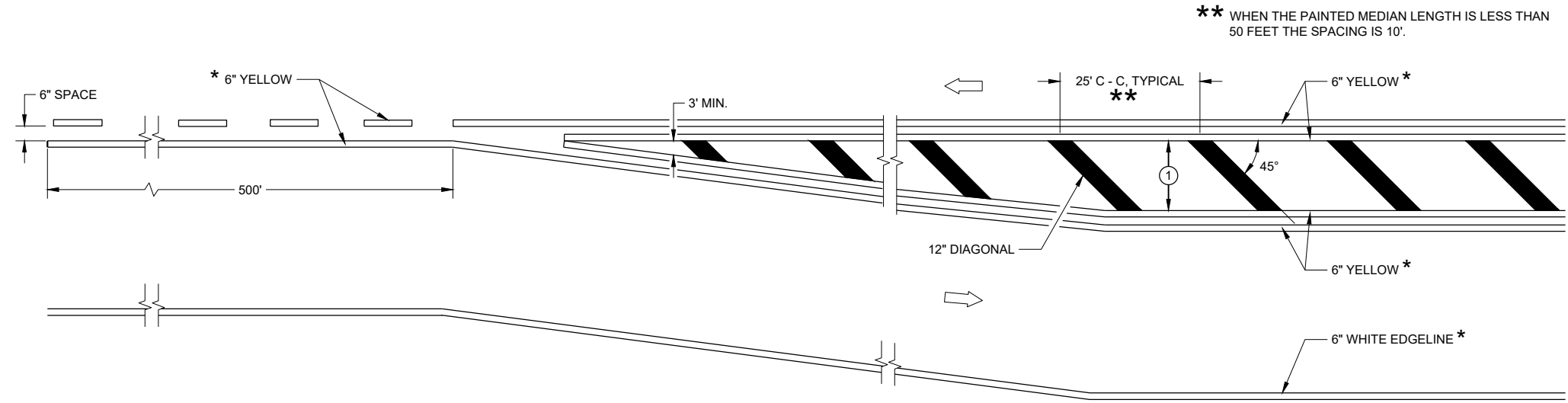
USE OF W03-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



**TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
DATE: May 2022 /S/ Andrew Heidtke  
WORK ZONE ENGINEER



**MEDIAN ISLAND DETAIL**

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

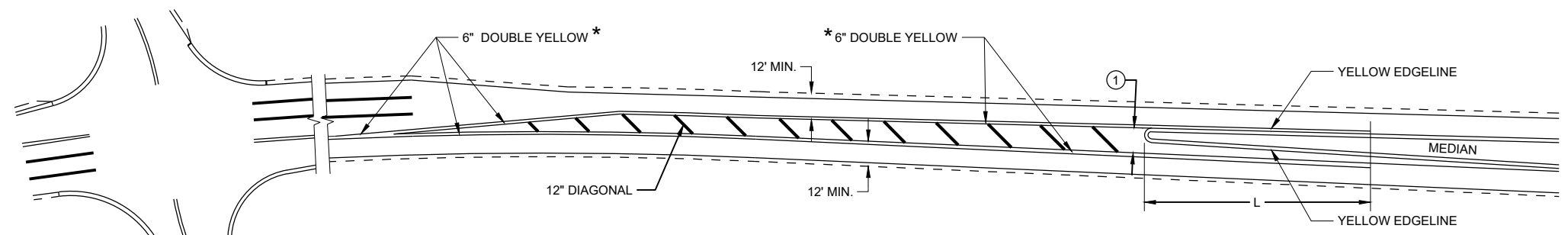
**GENERAL NOTES**

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.

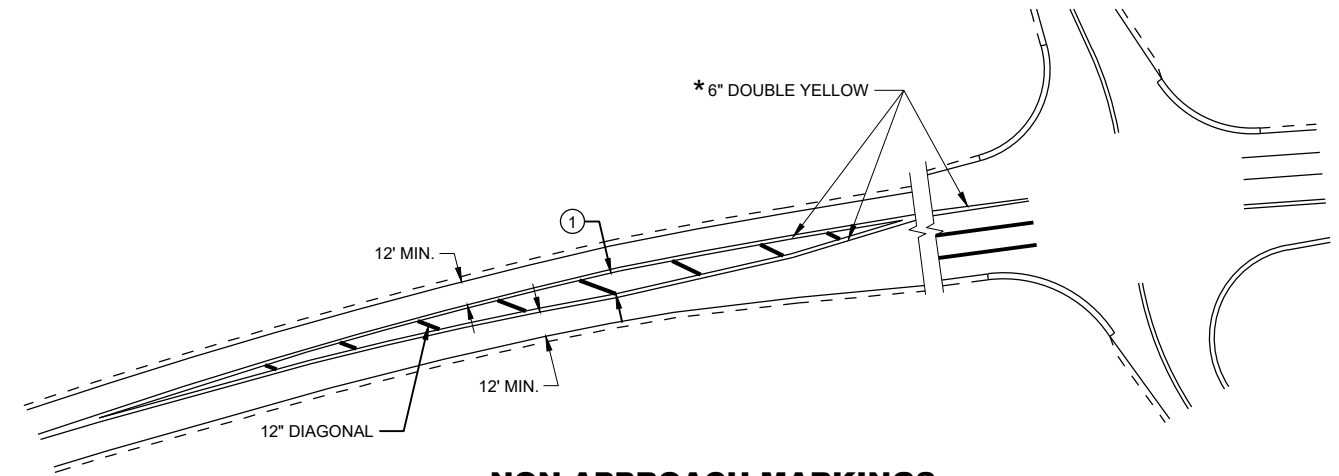
➔ DIRECTION OF TRAVEL

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

SPEED LIMIT	L
<35 MPH	5'
35> MPH	50'



**APPROACH MARKINGS FOR OTHER MEDIAN TYPES**



**NON-APPROACH MARKINGS**

6

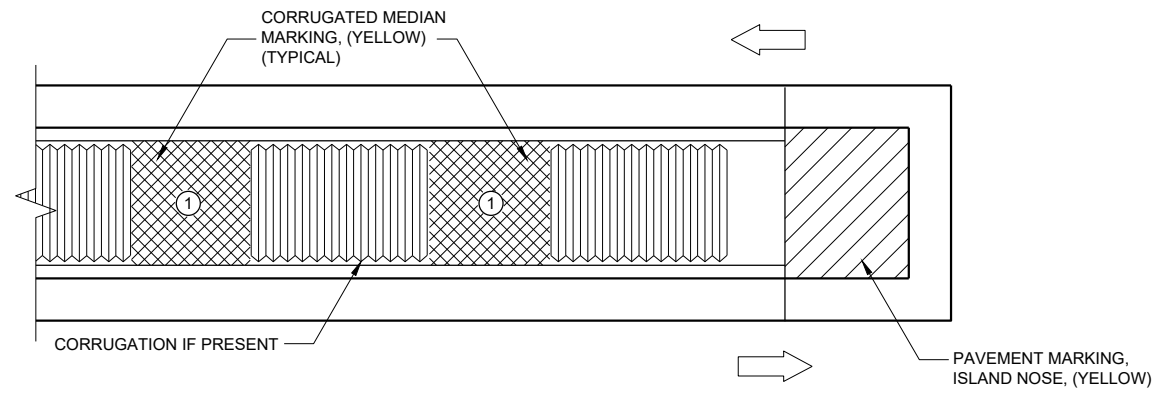
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SDD 15C18-08a

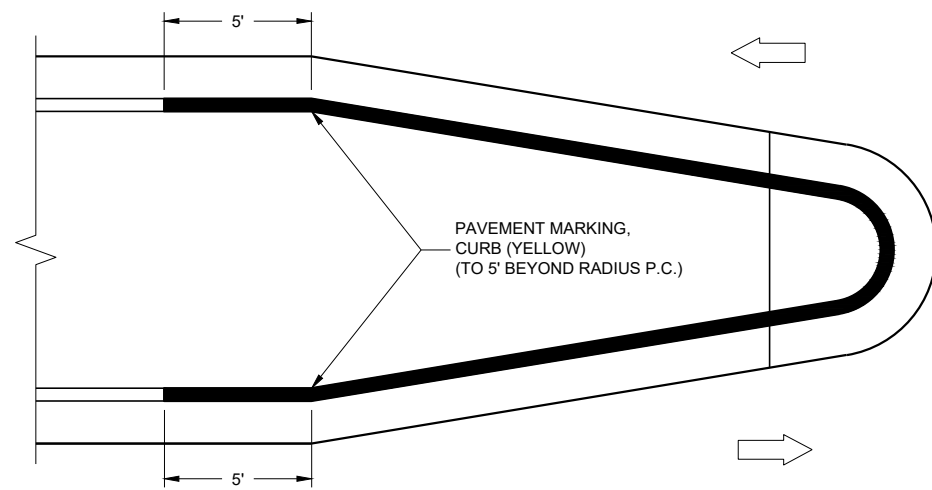
SDD 15C18-08a

<b>MEDIAN ISLAND PAVEMENT MARKINGS</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2023 DATE	/S/ Jeannie Silver STATE SIGNING AND MARKING ENGINEER
<small>FHWA</small>	

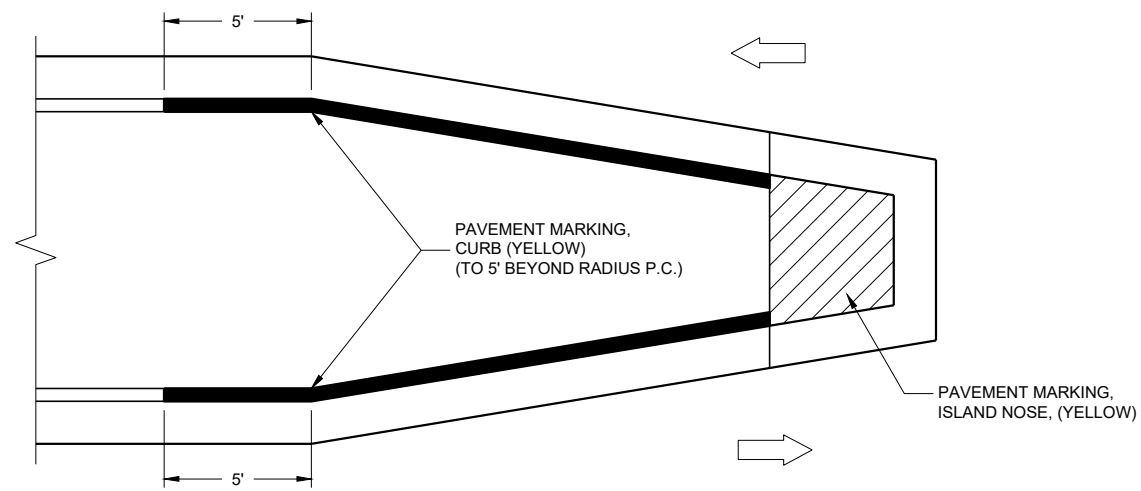




**MEDIAN ISLAND WITH SQUARE BLUNT NOSE**



**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

**PAVEMENT MARKINGS,  
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

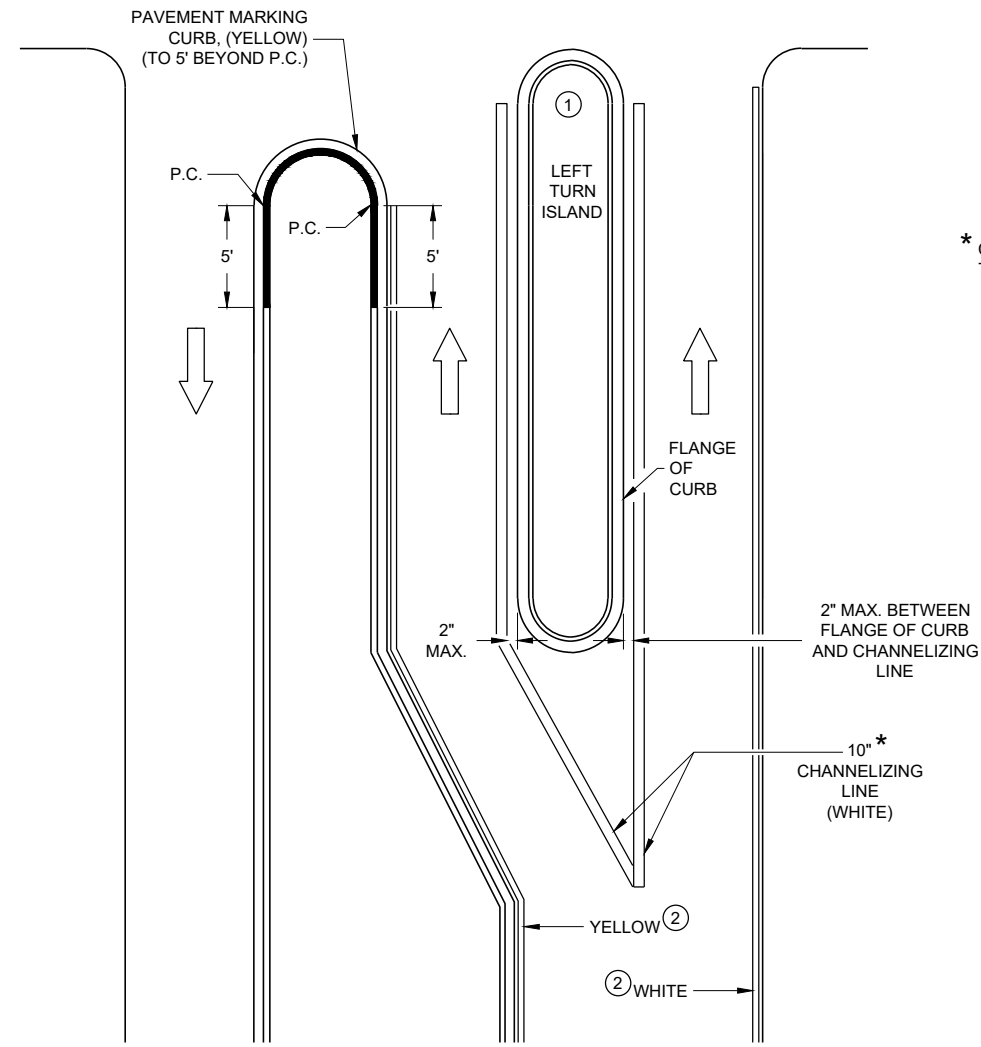
APPROVED  
May 2023 /S/ Jeannie Silver  
DATE STATE SIGNING AND MARKING  
ENGINEER

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

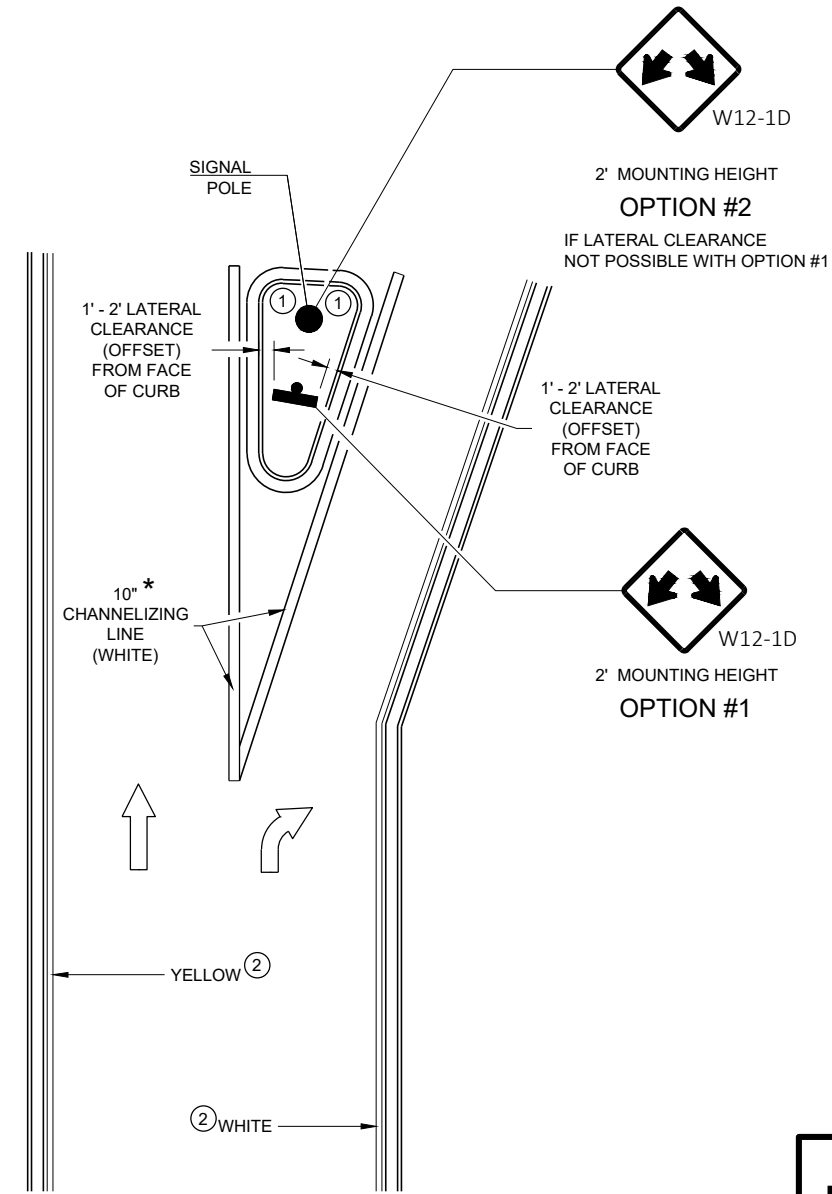
**GENERAL NOTES**

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.



**LEFT TURN & MEDIAN ISLAND**



**RIGHT TURN ISLAND**





**MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
May 2023 /S/ Jeannie Silver  
DATE STATE SIGNING AND MARKING ENGINEER

FHWA

**LEGEND**

- V1 LEAD VEHICLE
- V2 MARKING VEHICLE
- V3 SHADOW VEHICLE
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  SIGN ON TEMPORARY SUPPORT
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW PANEL (CAUTION)

**GENERAL NOTES**

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

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

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

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

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

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

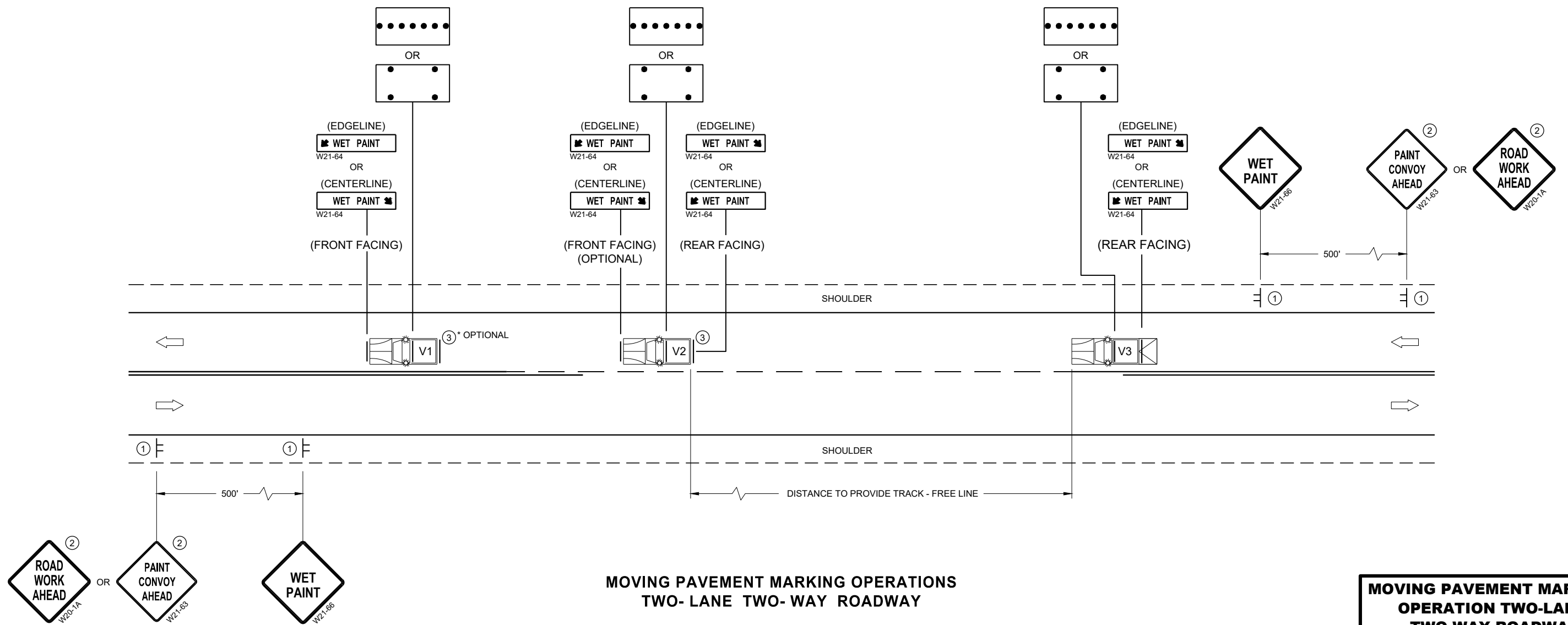
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

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

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

6

6








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

SDD 15C19-08a

SDD 15C19-08a

<b>MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED February 2023 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

**LEGEND**

- V1 LEAD VEHICLE
- V2 MARKING VEHICLE
- V3 SHADOW VEHICLE
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  SIGN ON TEMPORARY SUPPORT
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW PANEL (MERGE)
-  FLASHING ARROW PANEL (CAUTION)

**GENERAL NOTES**

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

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

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

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

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

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

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

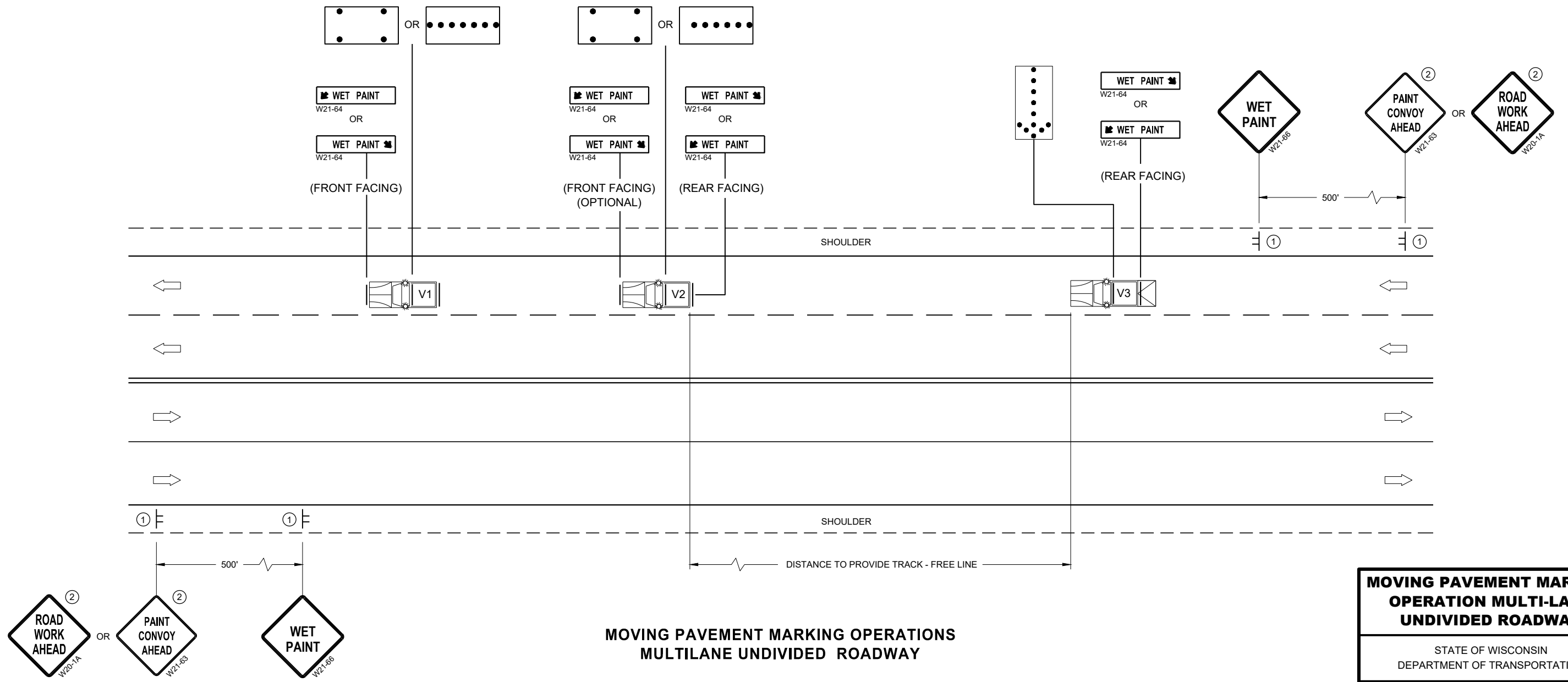
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLES AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

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

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

6

6








SDD 15C19-08b

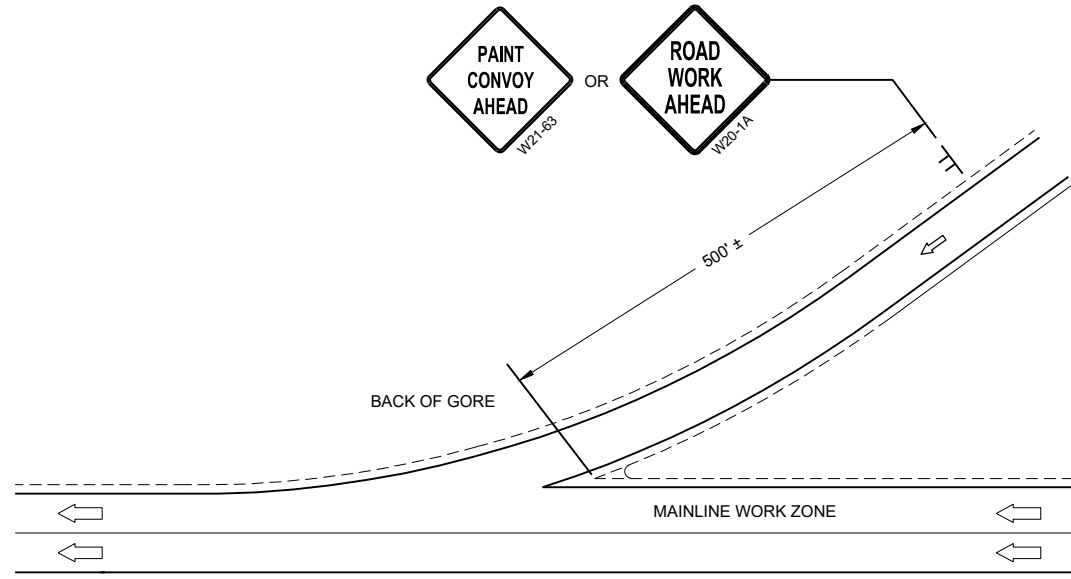
SDD 15C19-08b

**MOVING PAVEMENT MARKING OPERATIONS  
MULTILANE UNDIVIDED ROADWAY**

<b>MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED February 2023 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

**LEGEND**

- V1 MARKING VEHICLE
- V2 SHADOW VEHICLE
- V3 TRAIL VEHICLE
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  SIGN ON TEMPORARY SUPPORT
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW PANEL (MERGE)
-  FLASHING ARROW PANEL (CAUTION)



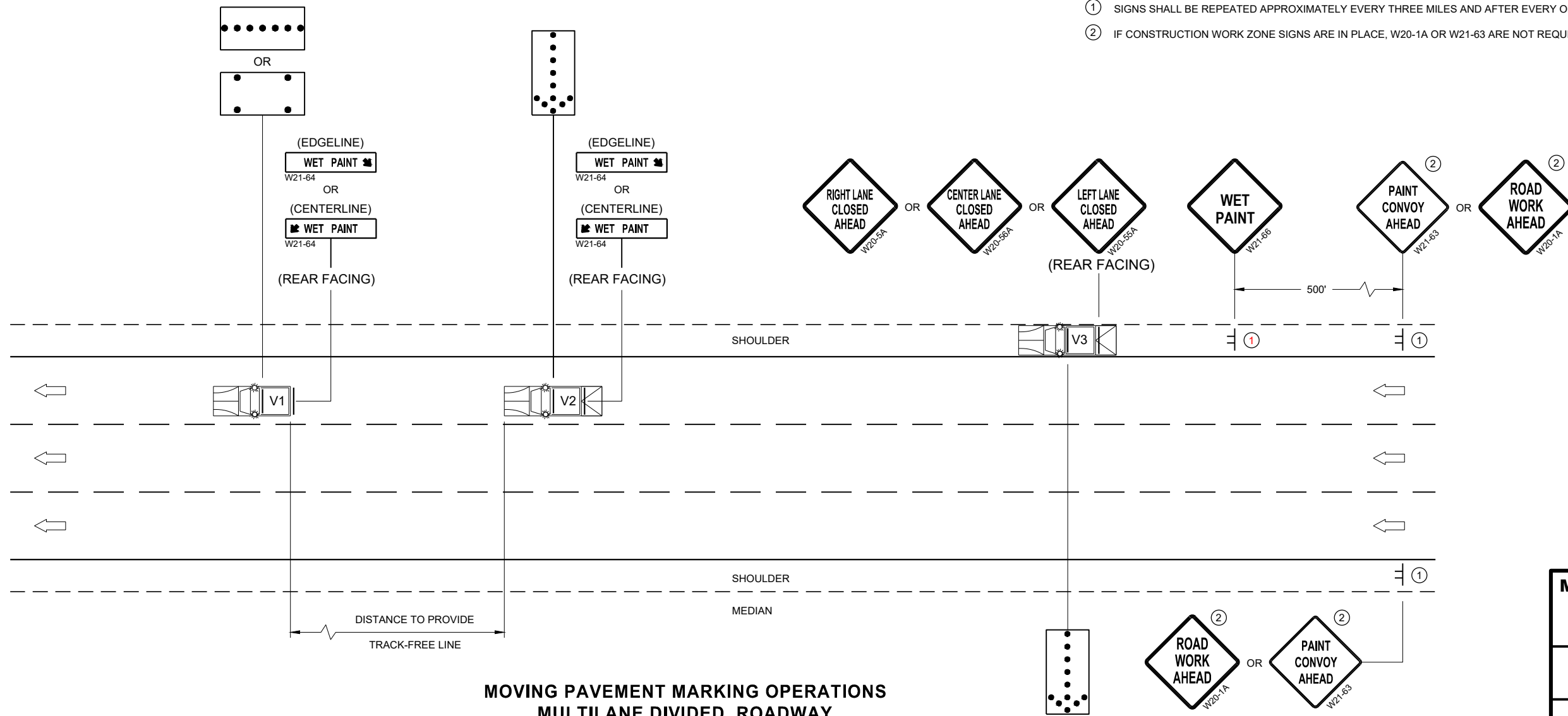
**GENERAL NOTES**

- ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.
- ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.
- DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.
- WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.
- USE AN ATTENUATOR ON THE REAR MOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.
- IF THE SHOULDER IS TOO NARROW TO ACCOMMODATE THE LAST TRAILING VEHICLE, THE VEHICLE SHOULD STRADDLE THE EDGE LINE.
- WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC
- CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- CONES SHALL BE A MINIMUM HEIGHT OF 28" FOR WET PAVEMENT MARKINGS

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

6

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SDD 15C19-08c

SDD 15C19-08c

**MOVING PAVEMENT MARKING OPERATIONS  
MULTILANE DIVIDED ROADWAY**

<b>MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED February 2023 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

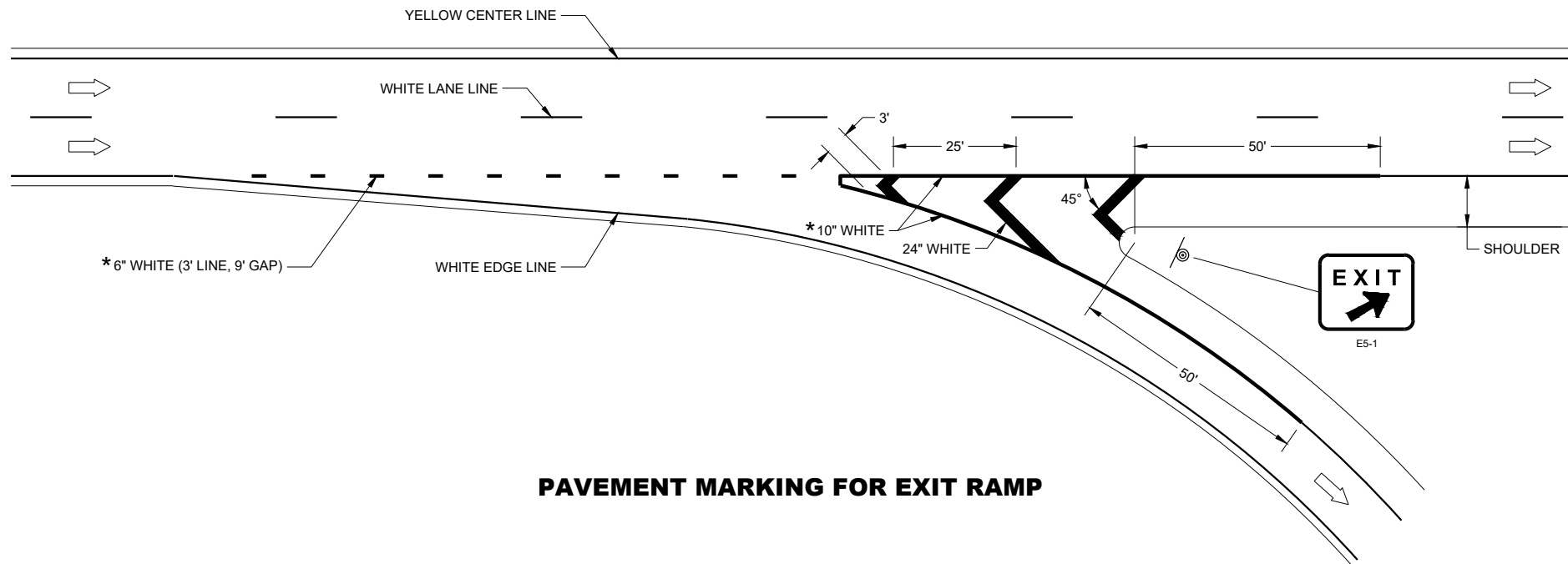
**GENERAL NOTES**

PLACE GROOVE 3 INCHES LEFT OF JOINT.

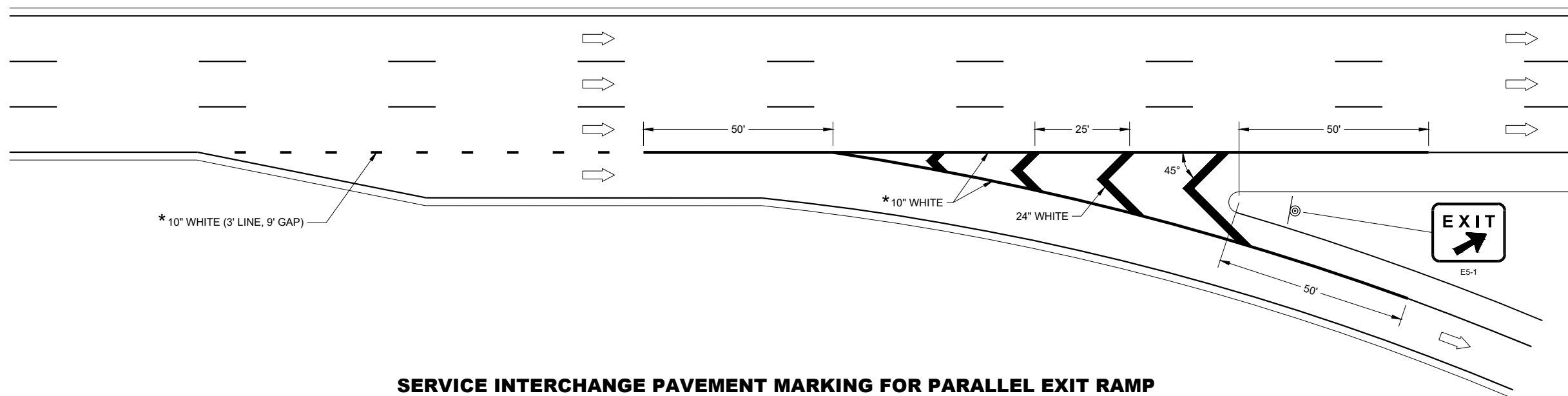
**LEGEND**

- ⊙ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAVEL

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



**PAVEMENT MARKING FOR EXIT RAMP**



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

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

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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
SDD 15C31-05a

SDD 15C31-05a

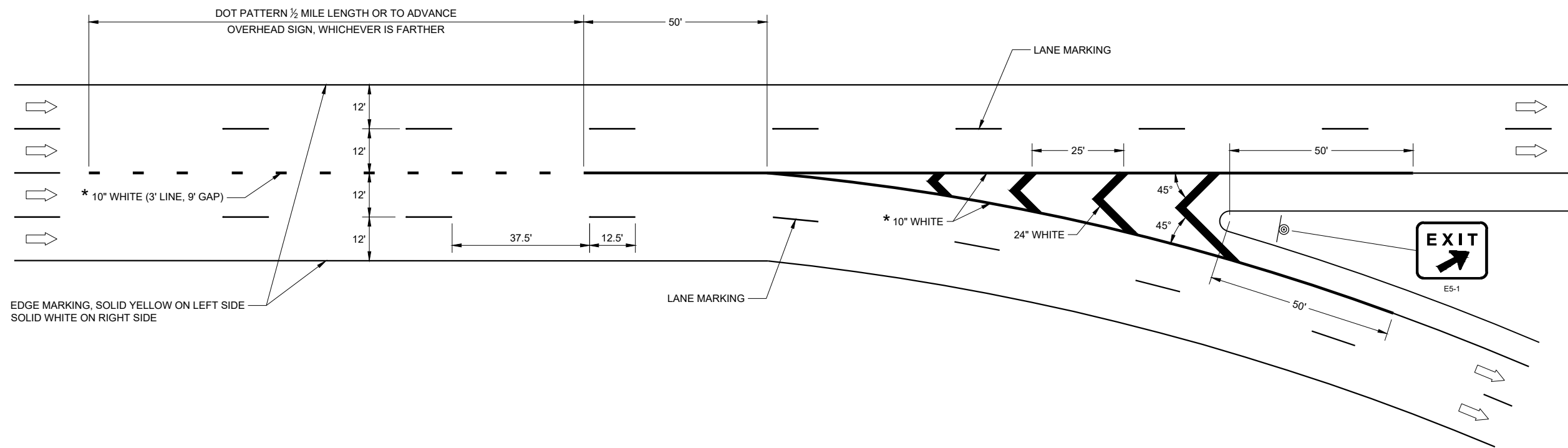
**GENERAL NOTES**

PLACE GROOVE 3 INCHES LEFT OF JOINT.

**LEGEND**

-  SIGN ON PERMANENT SUPPORT
-  DIRECTION OF TRAVEL

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



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SDD 15C31-05b

SDD 15C31-05b

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

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

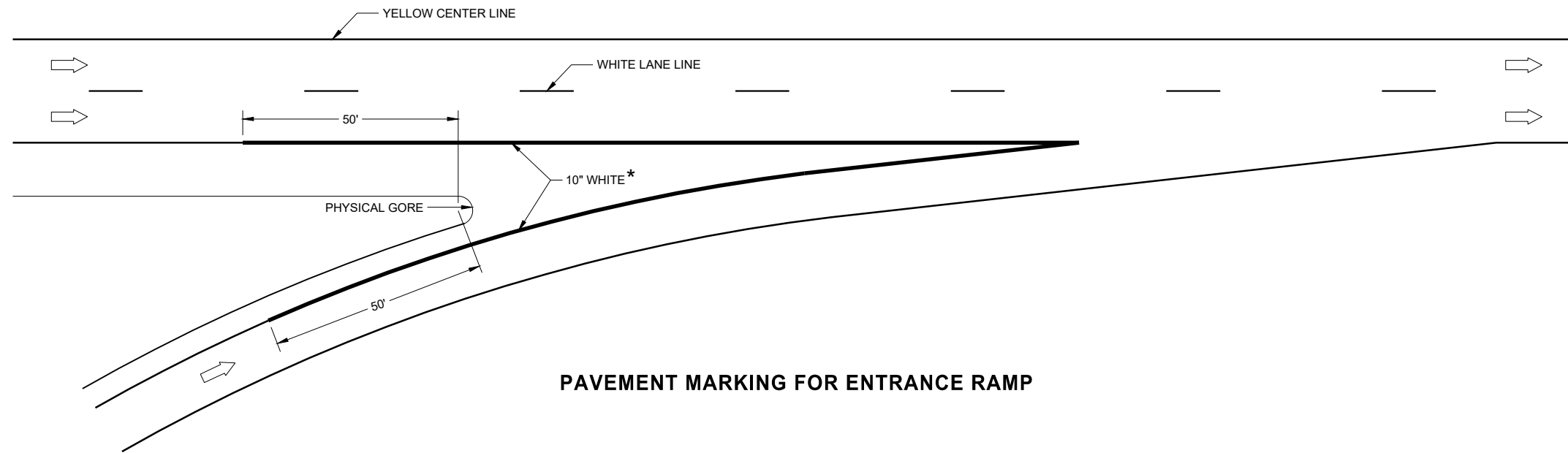
PLACE GROOVE 3 INCHES LEFT OF JOINT.

① ½ LENGTH OF FULL WIDTH ACCELERATION LANE.

**LEGEND**

➡ DIRECTION OF TRAVEL

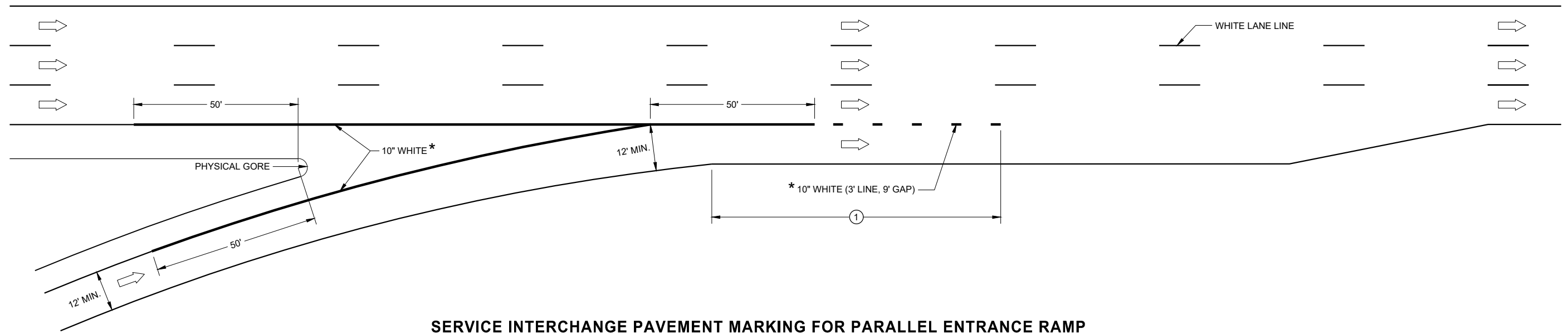
\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



**PAVEMENT MARKING FOR ENTRANCE RAMP**

6

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

SDD 15C31-05c

SDD 15C31-05c

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



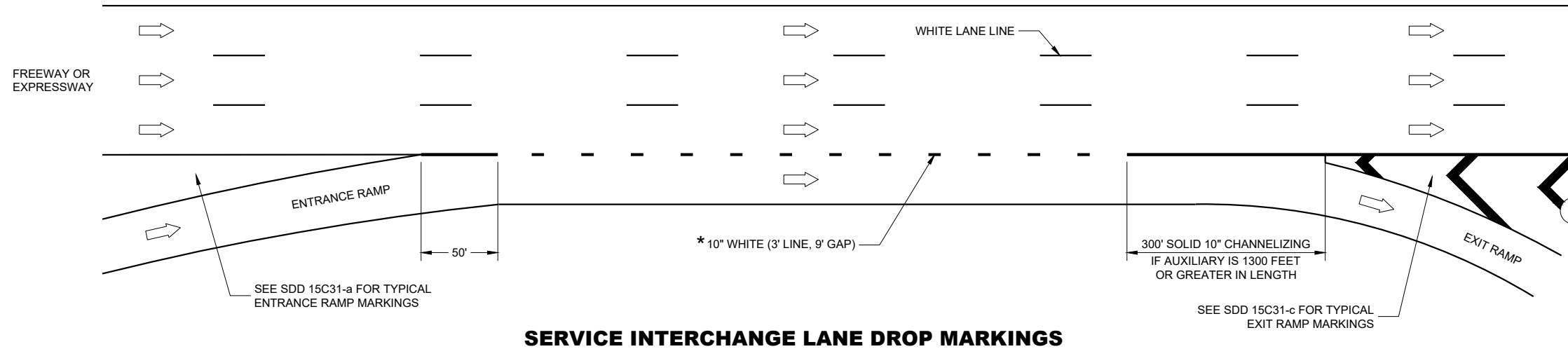
**LEGEND**

➡ DIRECTION OF TRAVEL

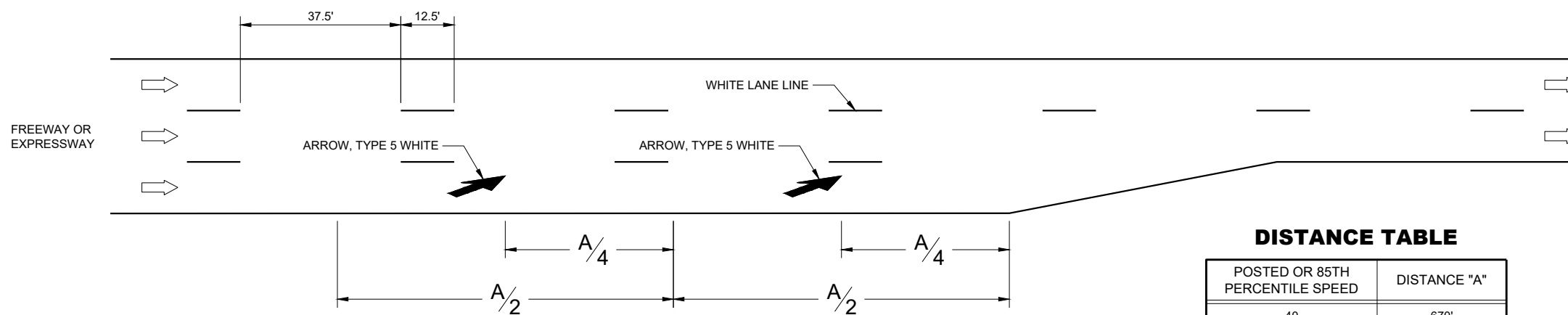
\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

**GENERAL NOTES**

PLACE GROOVE 3 INCHES LEFT OF JOINT.



**SERVICE INTERCHANGE LANE DROP MARKINGS**



**LANE REDUCTION MARKINGS**

**DISTANCE TABLE**

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

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

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

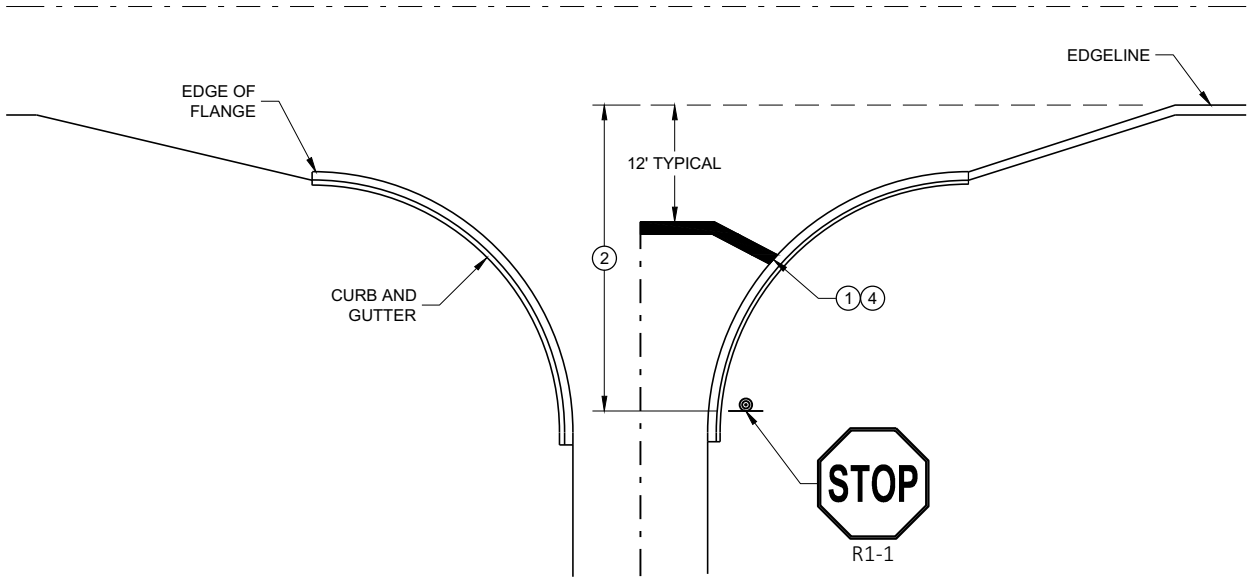
APPROVED  
DATE: May 2023 /S/ Matthew Rauch  
STATE MARKING AND SIGNING ENGINEER

FHWA

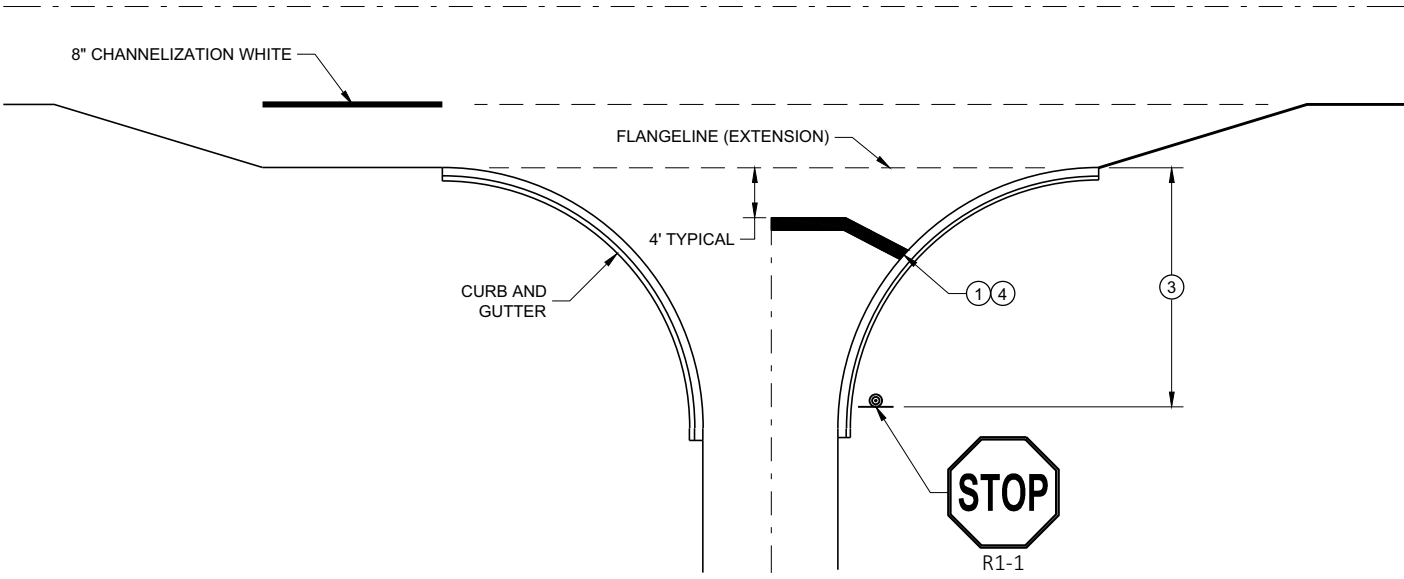
**GENERAL NOTES**

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

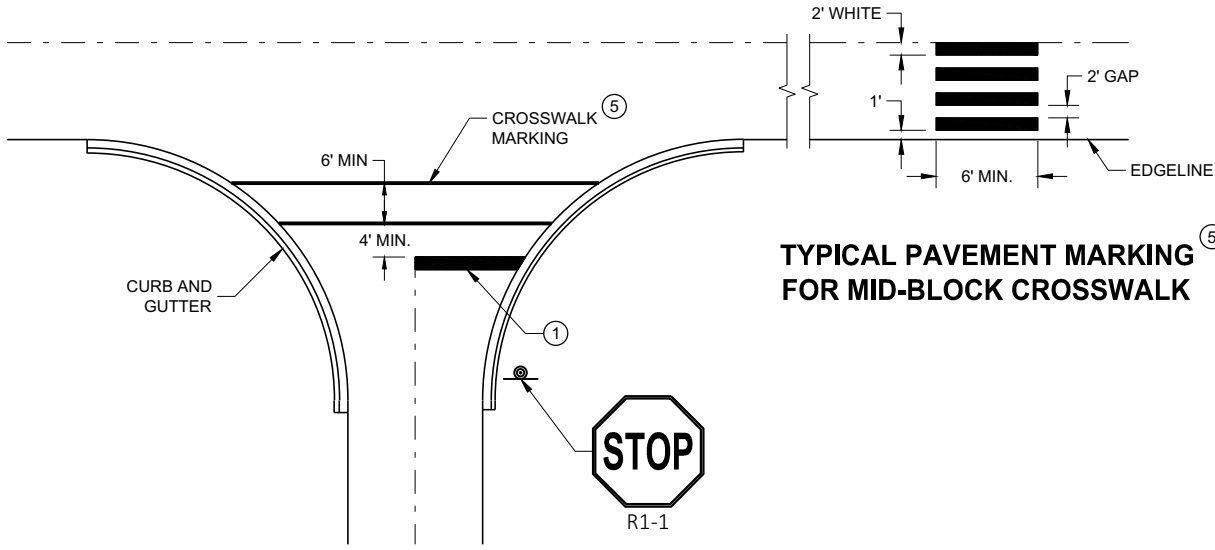
- ① 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- ② NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
- ③ NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE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



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

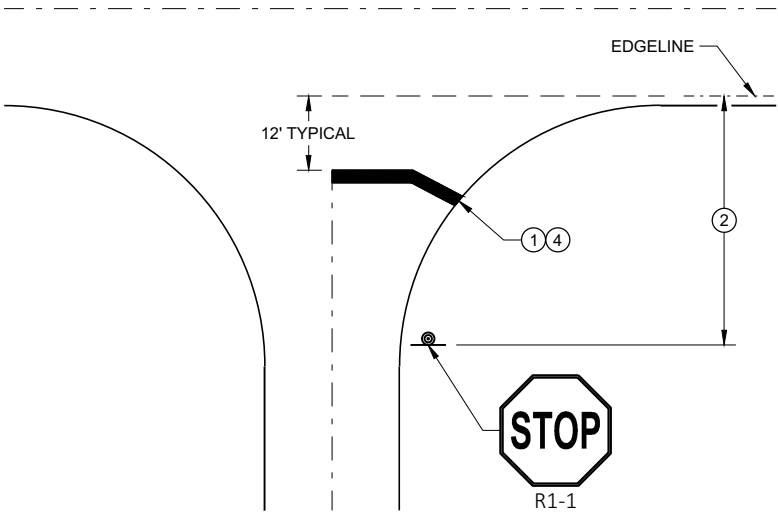


**TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE**



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

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



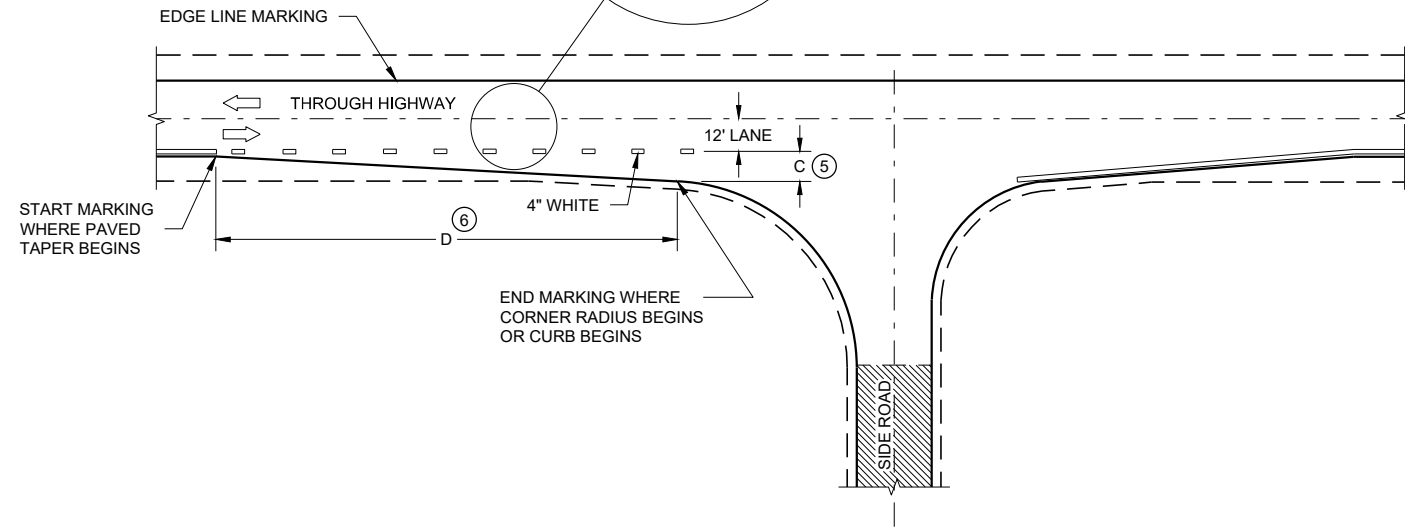
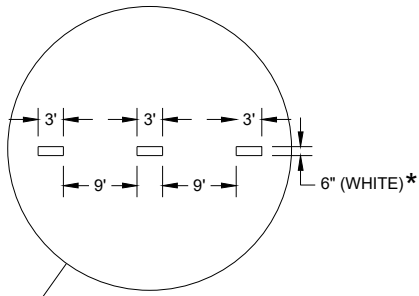
**TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER**

**STOP LINE AND CROSSWALK PAVEMENT MARKING**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2019 /S/ Matthew Rauch  
DATE STATE SIGNING AND MARKING ENGINEER

FHWA



**MINOR INTERSECTION**

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

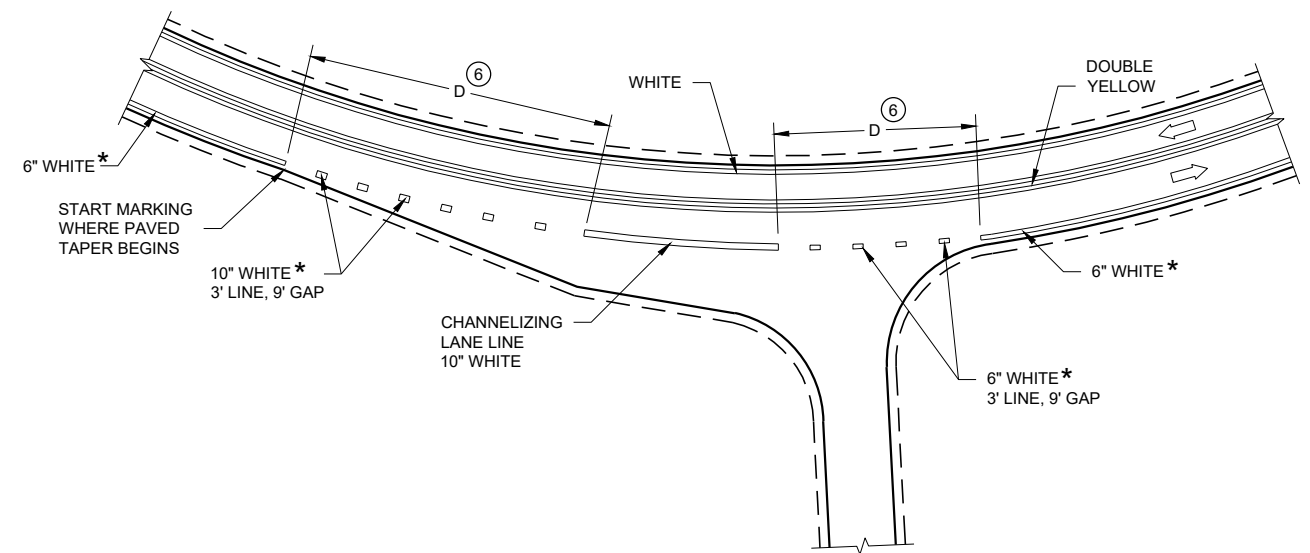
**GENERAL NOTES**

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

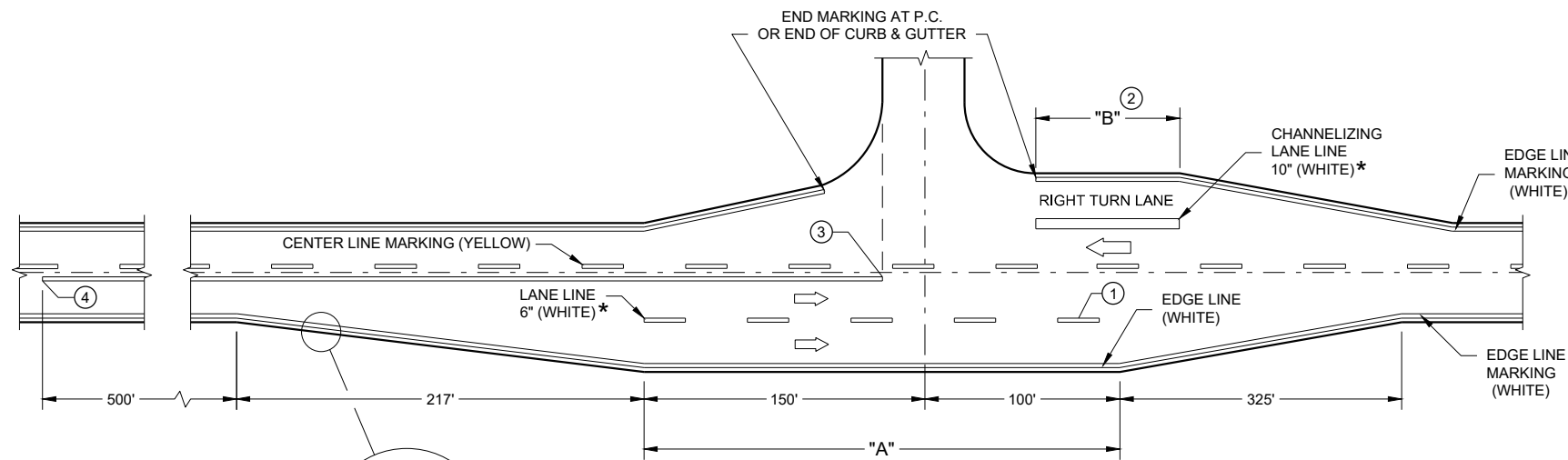
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- ③ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
- ④ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
- ⑤ WHEN DISTANCE "C" IS LESS THAN 4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

**LEGEND**

➡ DIRECTION OF TRAVEL

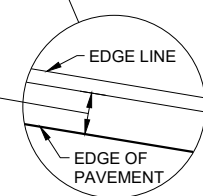


**INTERSECTION ON OUTSIDE OF CURVE**



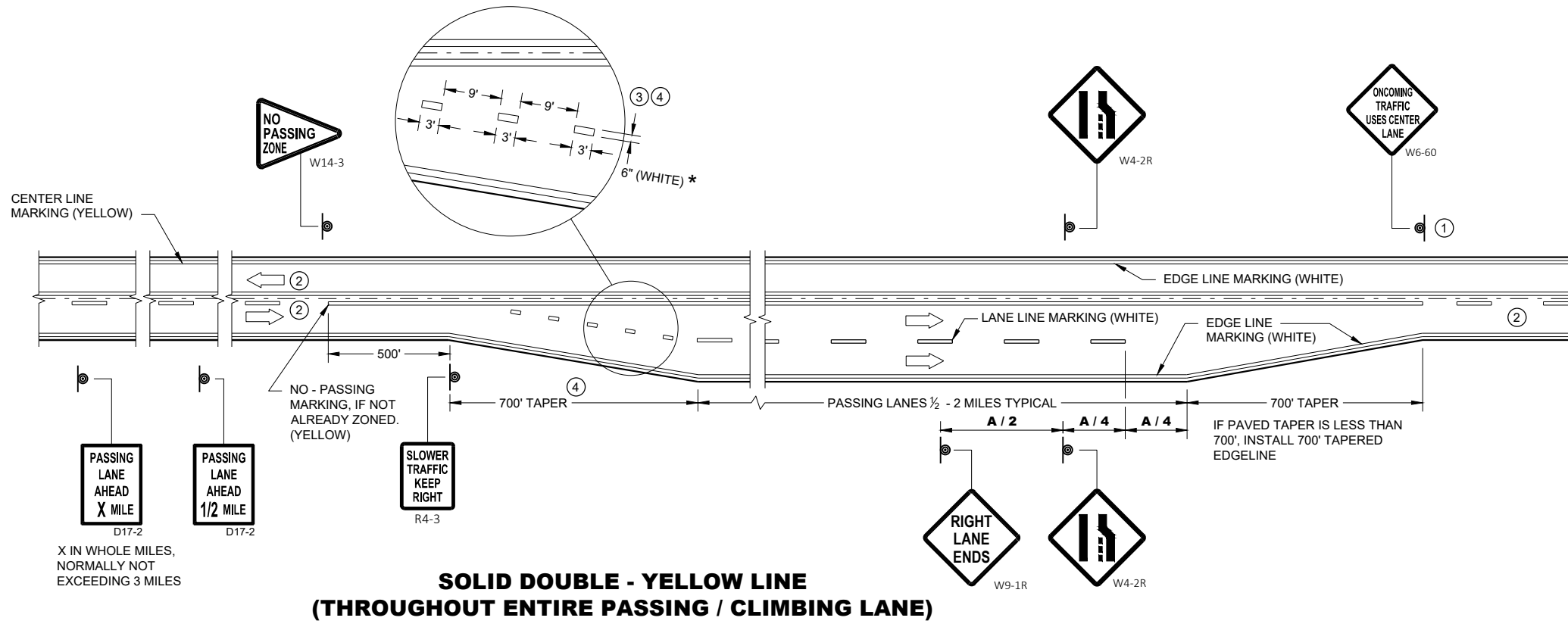
**MAJOR INTERSECTIONS  
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)**

BYPASS LANE PAVED SHOULDER WIDTH (AS SHOWN ELSEWHERE IN PLANS) - PLUS 2 INCHES



**PAVEMENT MARKING  
(INTERSECTIONS)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



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

X IN WHOLE MILES,  
NORMALLY NOT  
EXCEEDING 3 MILES

**GENERAL NOTES**

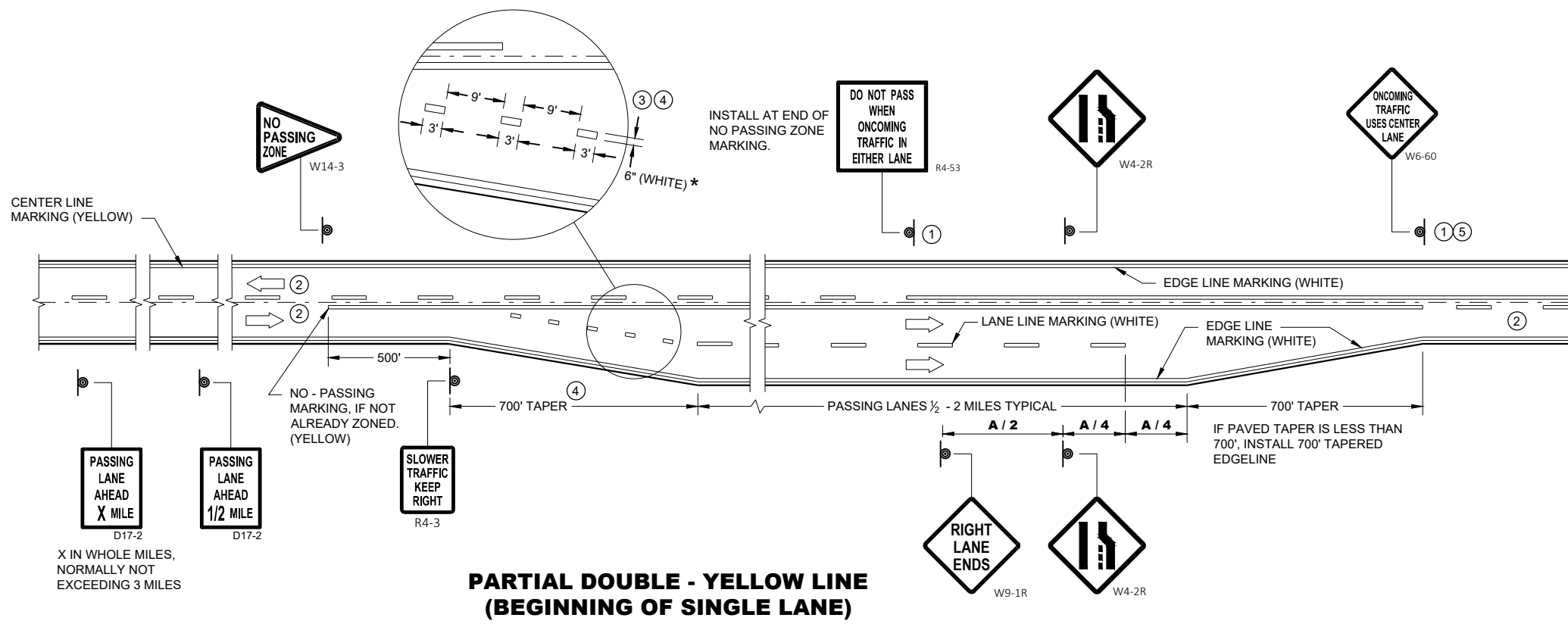
- ① SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- ② THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- ③ THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE - 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

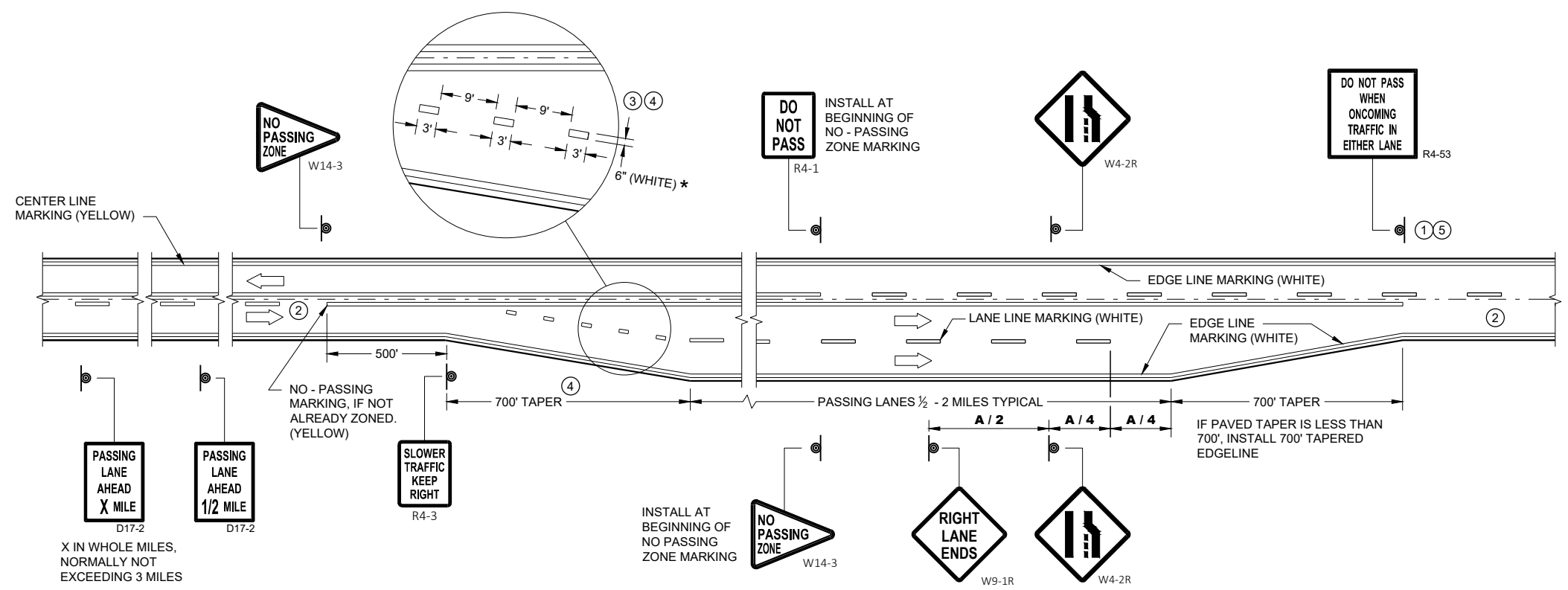


**PARTIAL DOUBLE - YELLOW LINE  
(BEGINNING OF SINGLE LANE)**

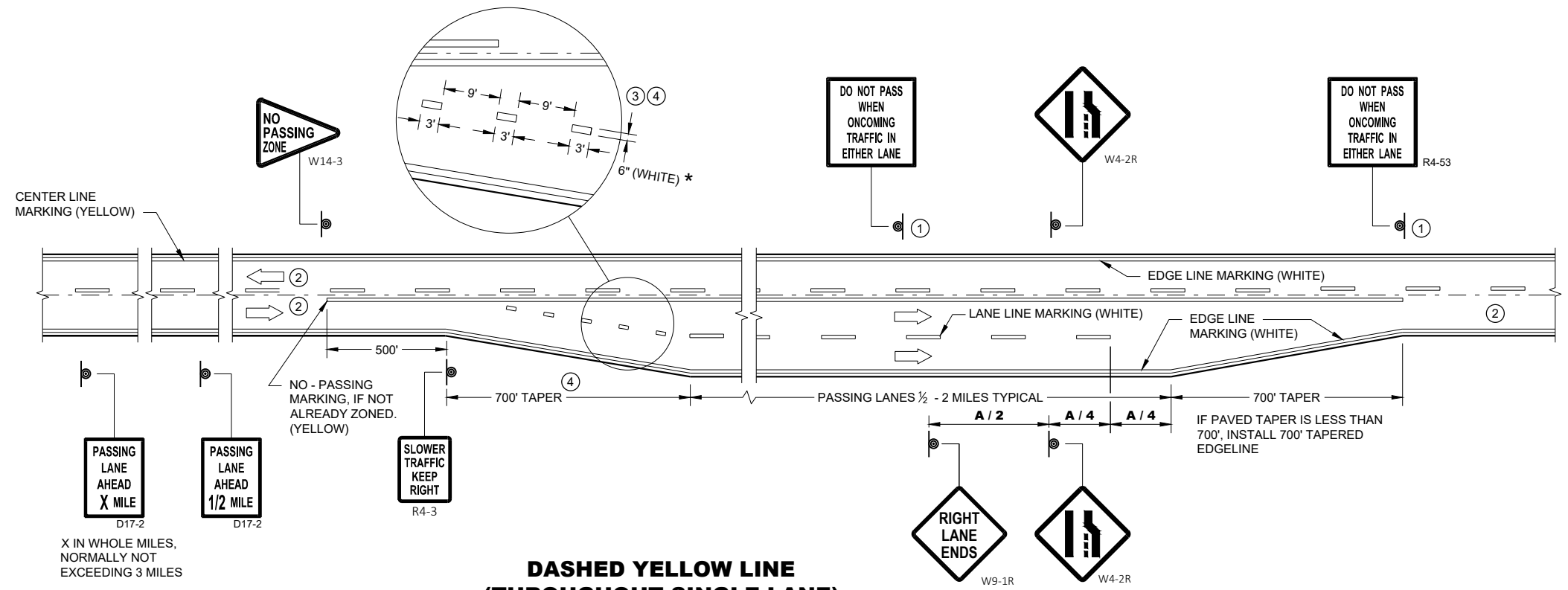
X IN WHOLE MILES,  
NORMALLY NOT  
EXCEEDING 3 MILES

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

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



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



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

**GENERAL NOTES**

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

ARROW SYMBOL ( ) SHOWS DIRECTION OF TRAVEL

**DISTANCE TABLE**

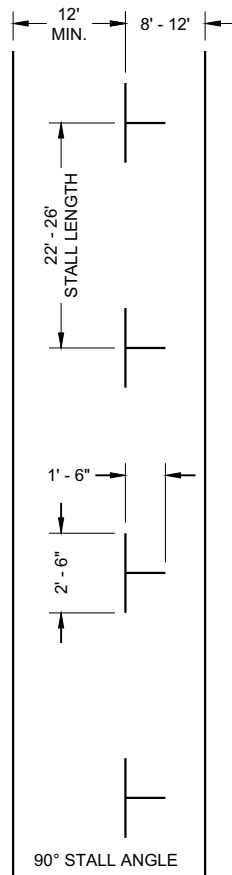
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990

\* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

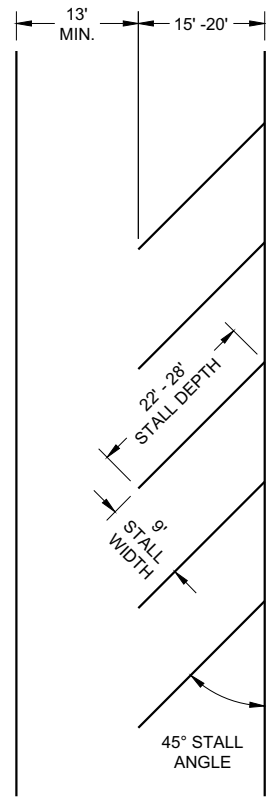
**PAVEMENT MARKING & SIGNING  
(CLIMBING LANE & PASSING LANE)**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
DATE: May 2023 /S/ Jeannie Silver  
STATE SIGNING AND MARKING ENGINEER

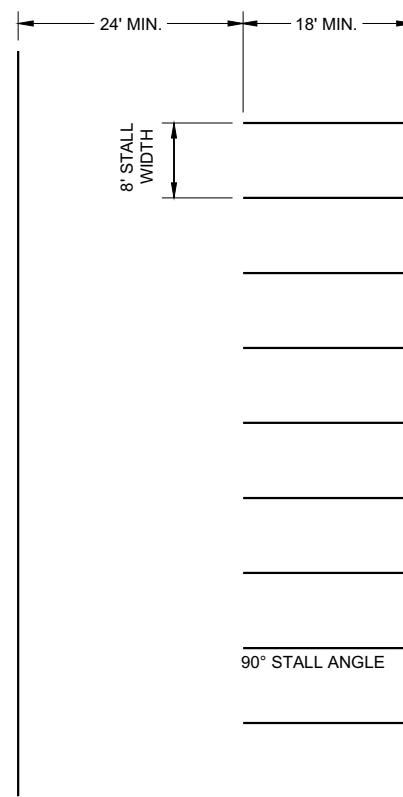
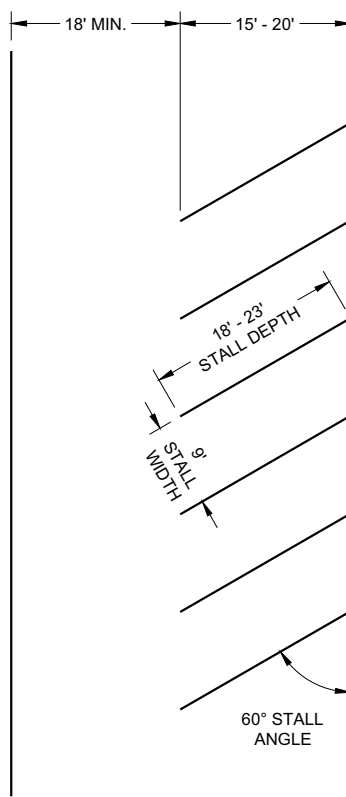


**PARALLEL PARKING**



**ANGLED PARKING**

(ANGLED PARKING IS NOT ALLOWED ON STATE HIGHWAYS UNLESS A DESIGN JUSTIFICATION HAS BEEN COMPLETED.)



**PARKING LOTS**

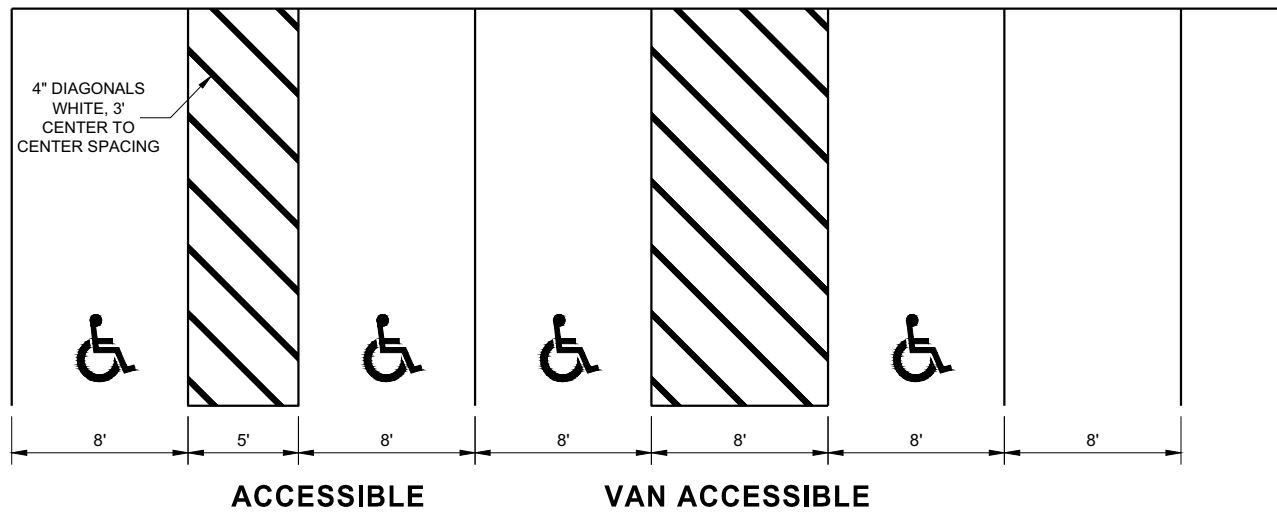
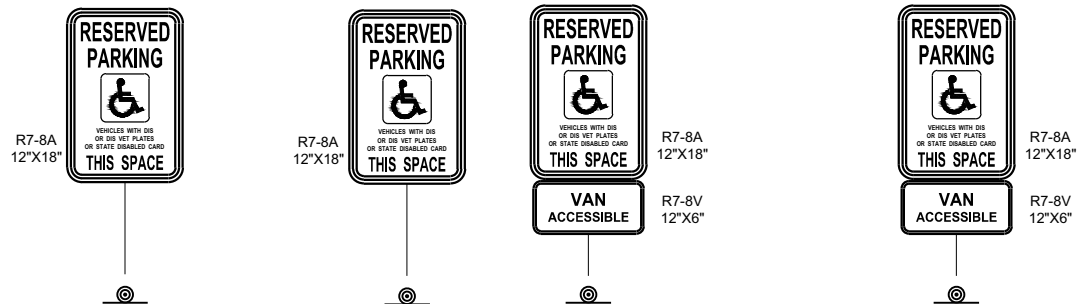
**GENERAL NOTES**

ALL LINES 4" WHITE (UNLESS OTHERWISE NOTED)

LAST PARKING STALL IS A MINIMUM OF 15' FROM THE CROSSWALK.

**LEGEND**

⊙ SIGN ON PERMANENT SUPPORT



**ACCESSIBLE**

**VAN ACCESSIBLE**

<b>PARKING STALL MARKING</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED August 2019 DATE	/S/ Matthew Rauch STATE SIGNING AND MARKING ENGINEER
<small>FHWA</small>	

## 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.

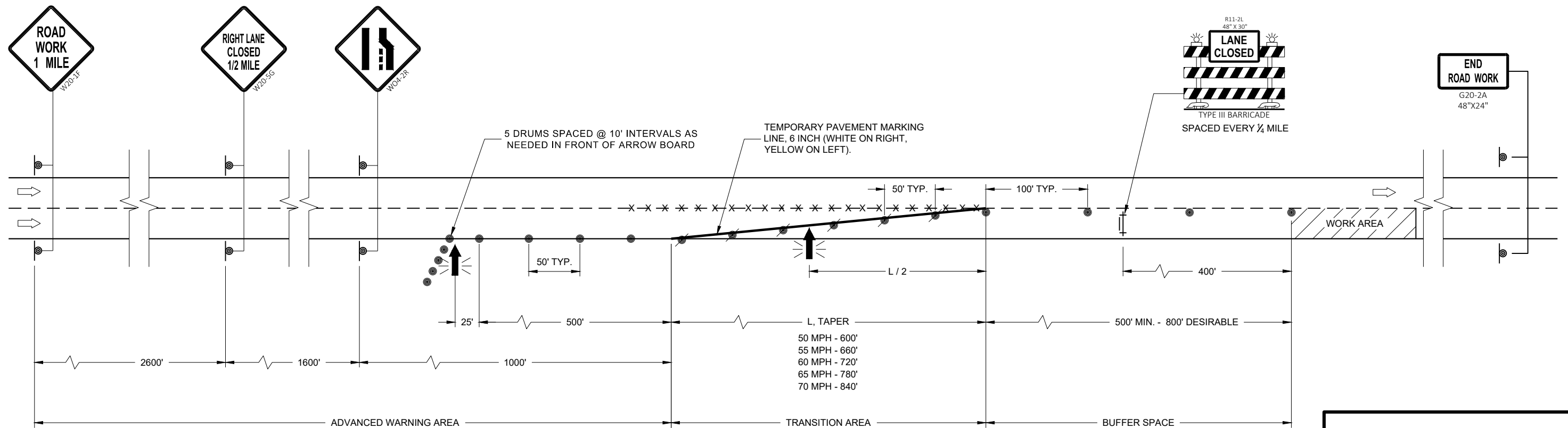
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS

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.










## 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
-  FLASHING ARROW BOARD



<b>TRAFFIC CONTROL LANE CLOSURE</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED DATE May 2023	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

**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)
-  FLASHING ARROW BOARD
-  DIRECTION OF TRAFFIC
-  REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
-  WORK AREA

**GENERAL NOTES**

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 PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

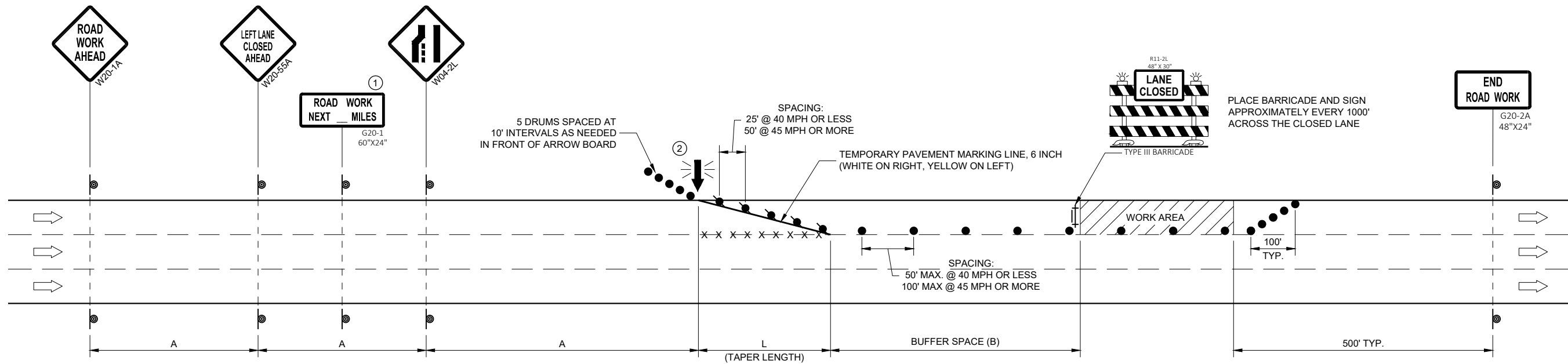
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

BARRICADES 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.

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 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.



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'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

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










STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
May 2023 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA



**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)
-  FLASHING ARROW BOARD
-  DIRECTION OF TRAFFIC
-  REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
-  WORK AREA

**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.

BARRICADES 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.

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.

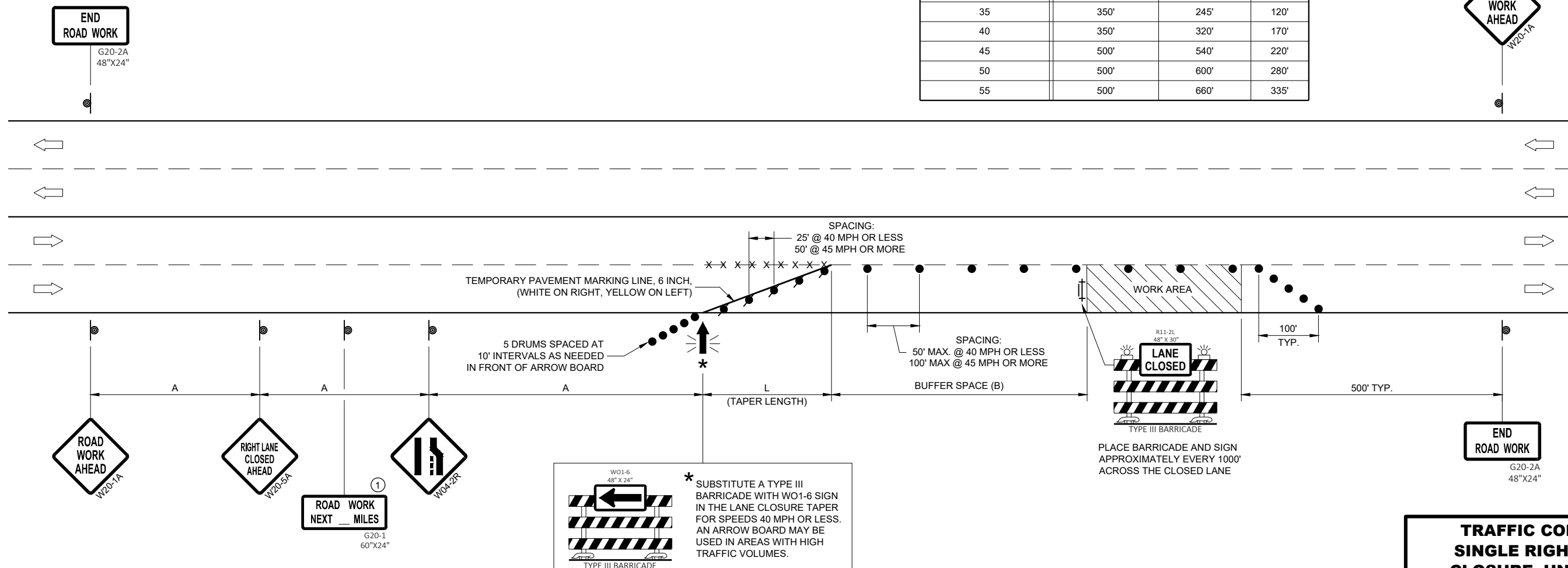
① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

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'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'



6

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SDD 15D20-07b

SDD 15D20-07b










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

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
May 2023 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA

**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)
-  FLASHING ARROW BOARD
-  DIRECTION OF TRAFFIC
-  REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
-  WORK AREA

**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.

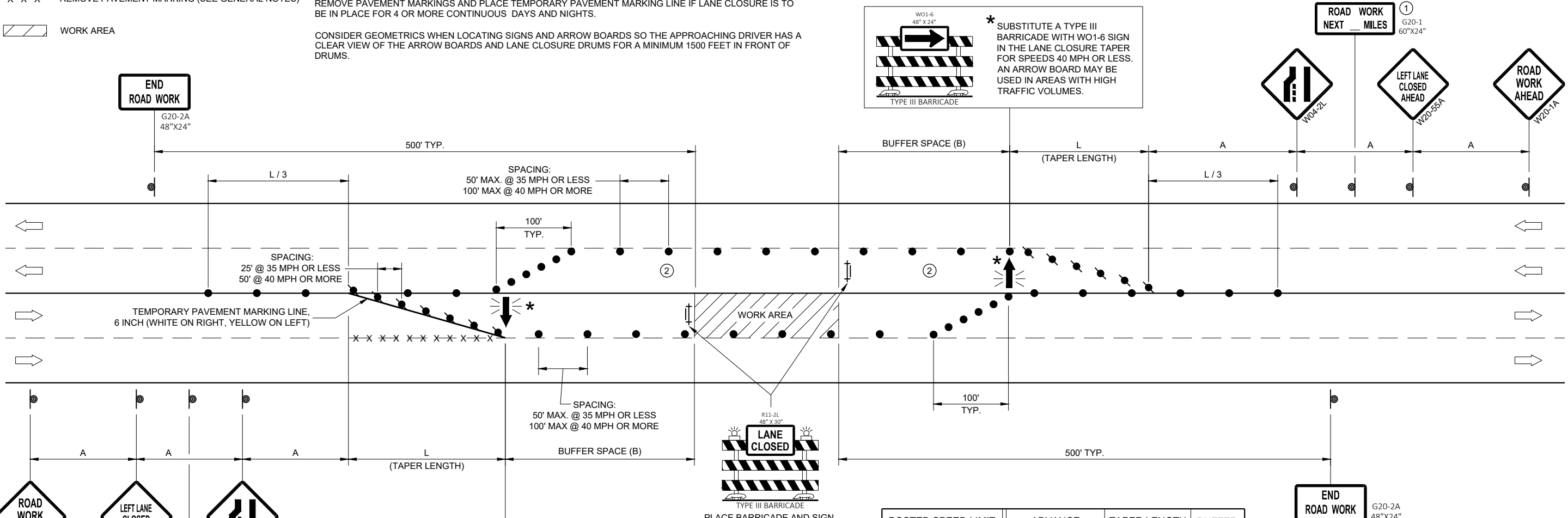
DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

BARRICADES 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.

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

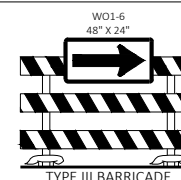
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

- 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.



**W01-6**  
48" X 24"

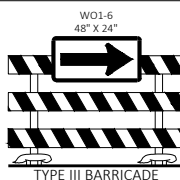
**\* SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER FOR SPEEDS 40 MPH OR LESS. AN ARROW BOARD MAY BE USED IN AREAS WITH HIGH TRAFFIC VOLUMES.**



TYPE III BARRICADE

**W01-6**  
48" X 24"

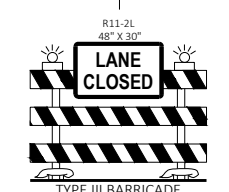
**\* SUBSTITUTE A TYPE III BARRICADE WITH W01-6 SIGN IN THE LANE CLOSURE TAPER FOR SPEEDS 40 MPH OR LESS. AN ARROW BOARD MAY BE USED IN AREAS WITH HIGH TRAFFIC VOLUMES.**



TYPE III BARRICADE

**R11-2L**  
48" X 30"

**LANE CLOSED**



TYPE III BARRICADE

PLACE BARRICADE AND SIGN APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE.

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'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'

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

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
May 2023 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA

6

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SDD 15D20-07C

SDD 15D20-07C

### 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.

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

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

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

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

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.

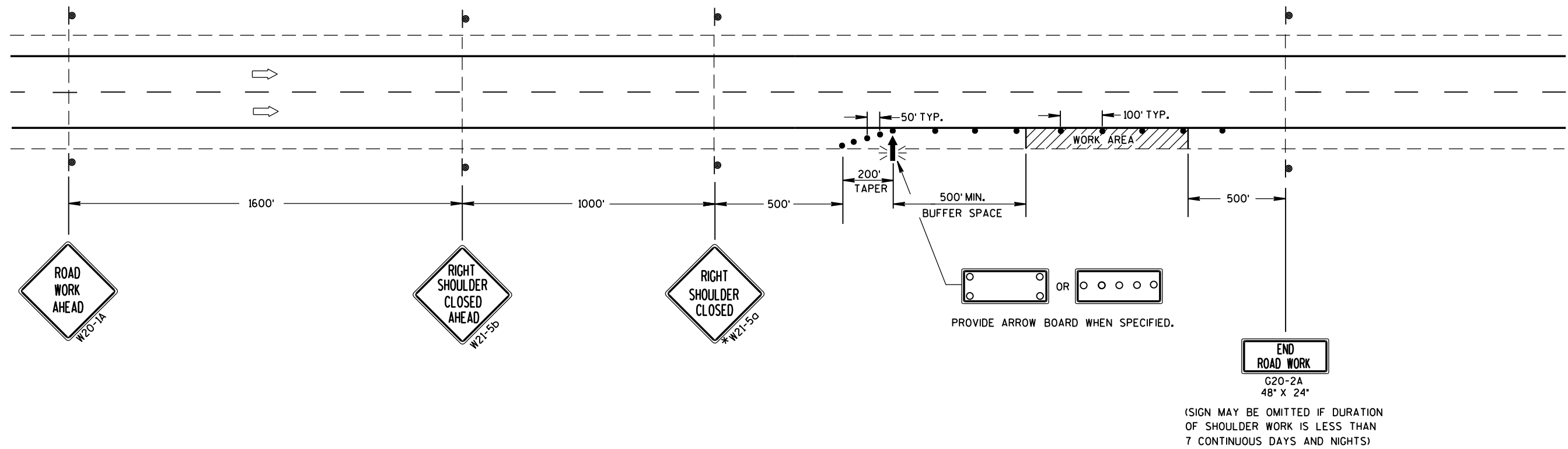
CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A 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.

\*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-50 SIGN MAY BE OMITTED.







### LEGEND

- TRAFFIC CONTROL DRUM
- ⊙ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ⚡ FLASHING ARROW BOARD
- ▨ WORK AREA



<b>TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2016 DATE	/s/ Peter Amakobe Atepe 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.

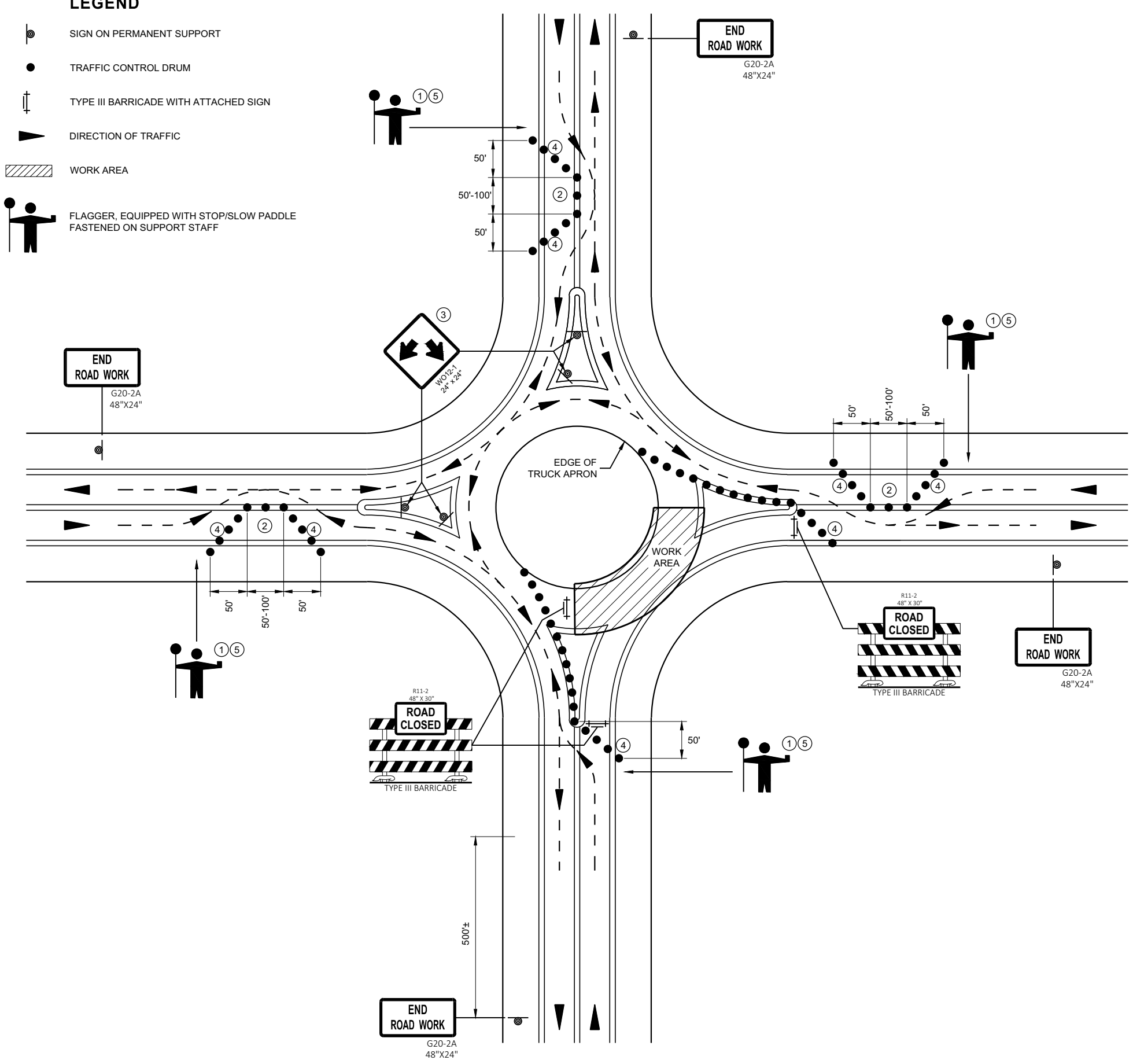
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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

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SDD 15D37 - 03

SDD 15D37 - 03

**TRAFFIC CONTROL, FLAGGING OPERATION, ROUNDABOUT**

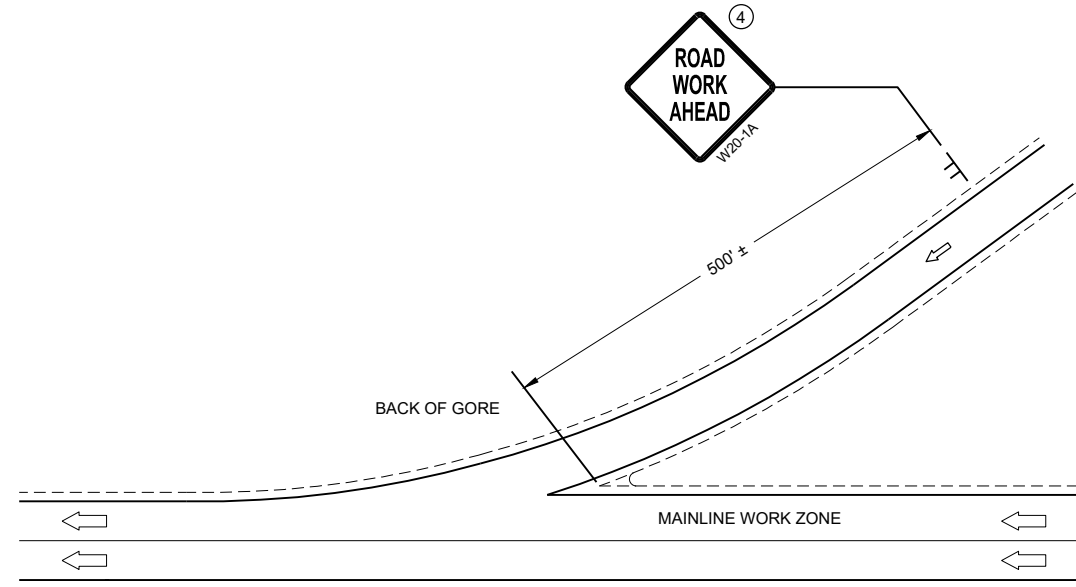
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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)
- PCMS 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.

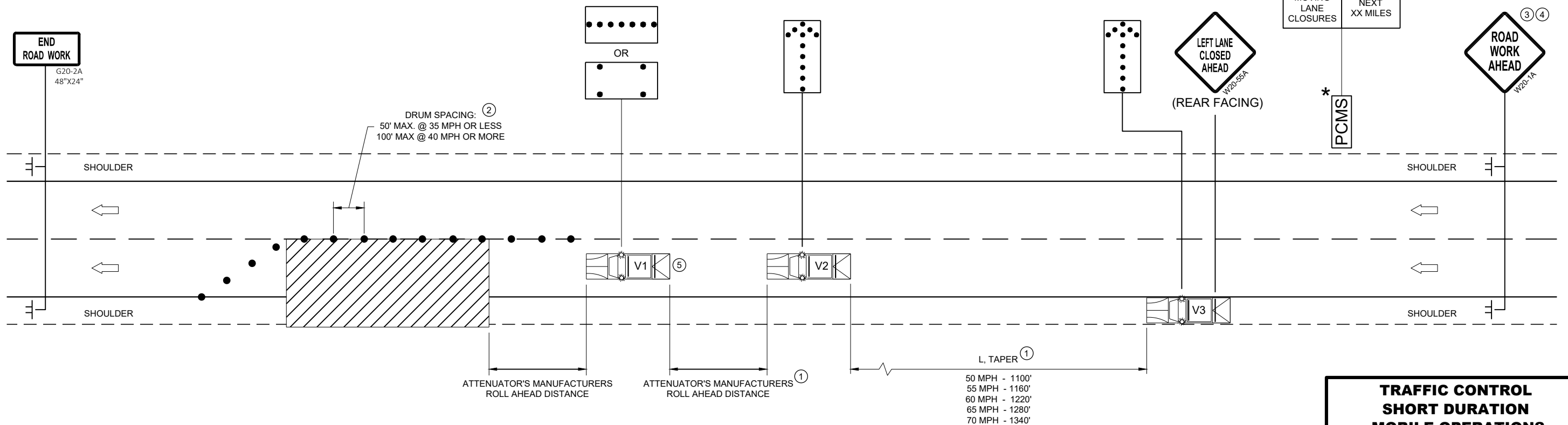
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

- 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

PCMS MESSAGING

FRAME 1	FRAME 2
MOVING LANE CLOSURES	NEXT XX MILES



**TRAFFIC CONTROL  
SHORT DURATION  
MOBILE OPERATIONS**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
August 2021 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA








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SDD 15D43 - 02

SDD 15D43 - 02

**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 $L/2$					
		W, LATERAL OFFSET (FT)					
		3	4	5	6	7	8
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**

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

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.

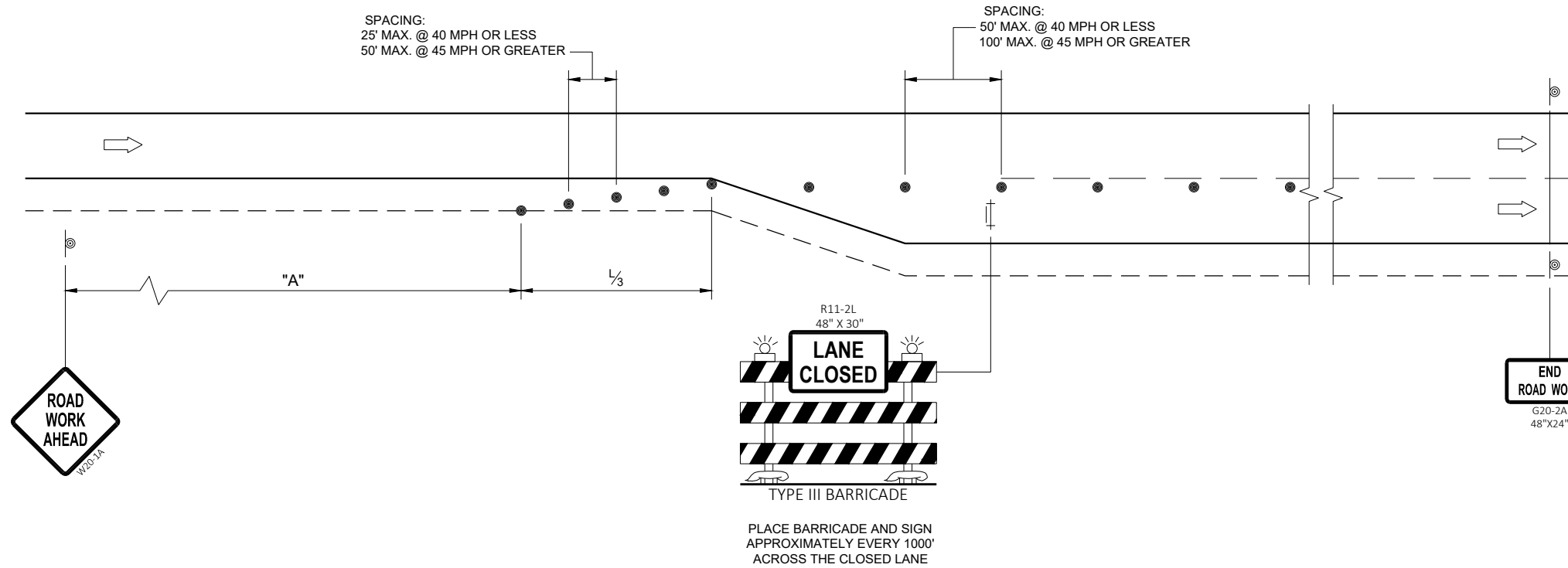
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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.



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





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SDD 15D50-03a

SDD 15D50-03a

<b>TRAFFIC CONTROL ADDED LANE CLOSURE WITHOUT LANE SHIFT</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED DATE May 2023	/S/ Andrew Heidtke 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/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

**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.

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.

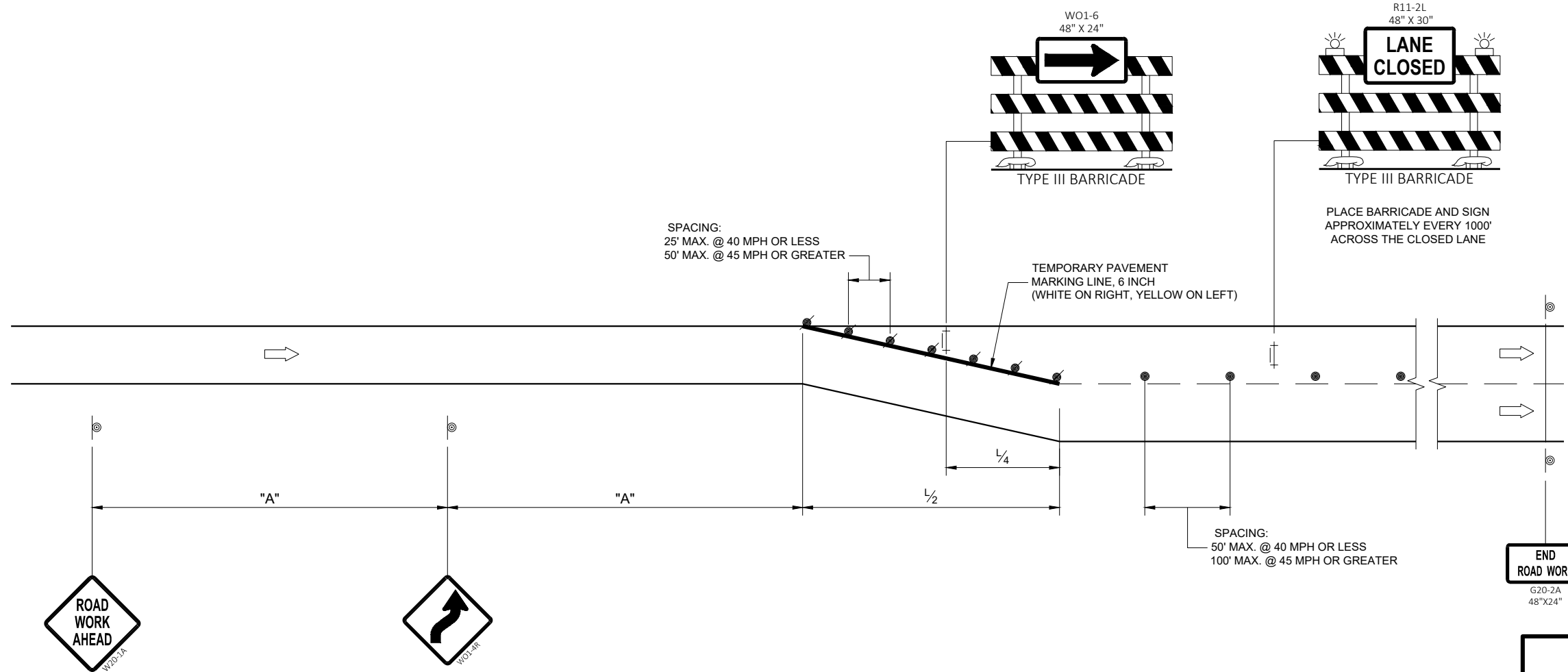
SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

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SDD 15D50-03b

SDD 15D50-03b

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

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STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION





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APPROVED  
DATE: May 2023 /S/ Andrew Heidtke  
WORK ZONE ENGINEER

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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.

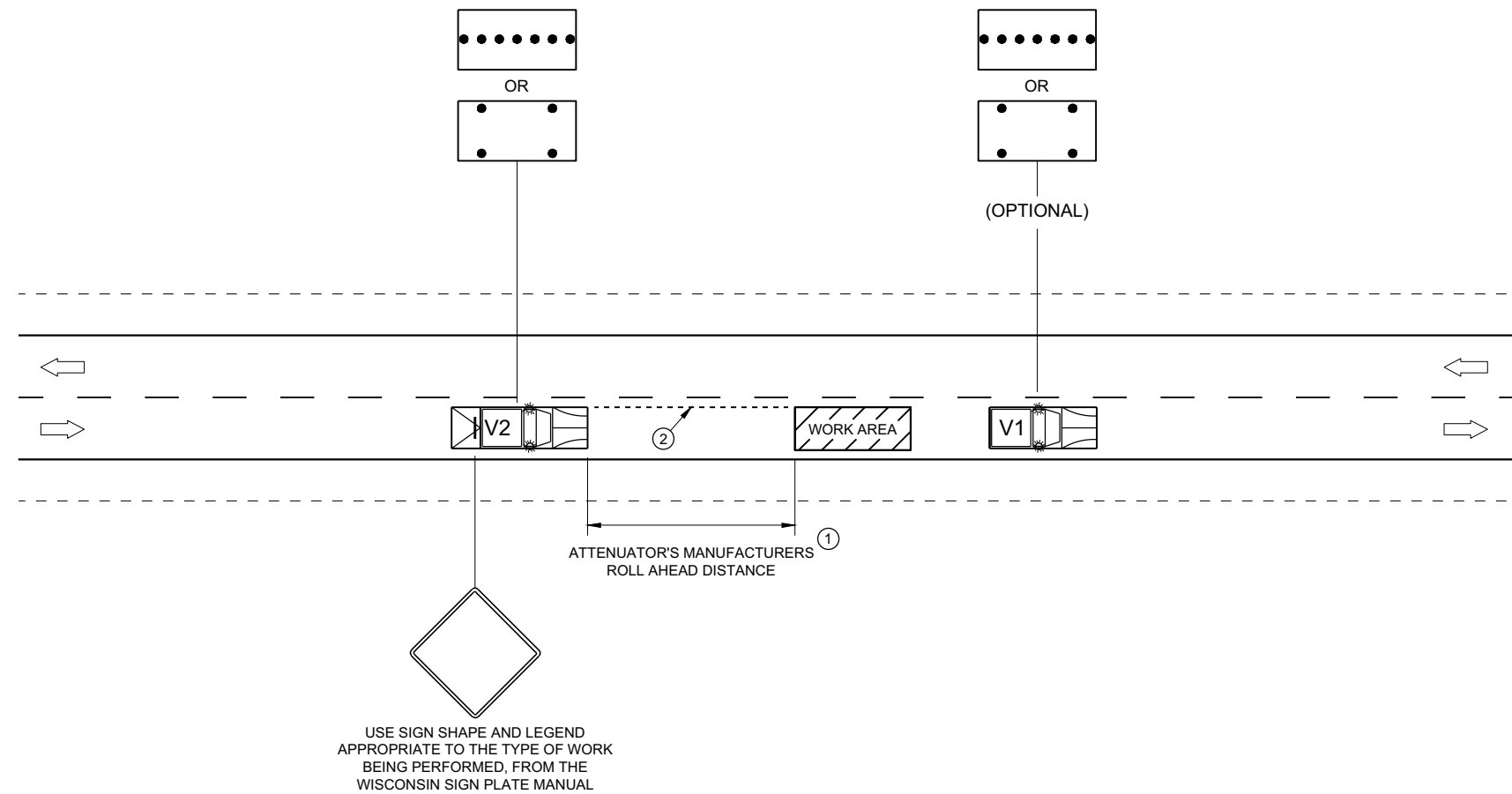
MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

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.

- 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.



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**TRAFFIC CONTROL,  
MOBILE OPERATIONS ON  
AN UNDIVIDED ROADWAY**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
February 2021 /S/ Andrew Heidtke  
DATE STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA



# Notes



## ***Wisconsin Department of Transportation***

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