

GRE  
PROJECT ID:  
WITH: N/A

1009-33-39

COUNTY:  
NE REGION WIDE

MARCH 2025  
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
<del>Section No.</del>	<del>4</del>	<del>Right of Way Plat</del>
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
<del>Section No.</del>	<del>7</del>	<del>Sign Plates</del>
<del>Section No.</del>	<del>8</del>	<del>Structure Plans</del>
<del>Section No.</del>	<del>9</del>	<del>Computer Earthwork Data</del>
<del>Section No.</del>	<del>0</del>	<del>Cross Sections</del>

TOTAL SHEETS = 62



DESIGN DESIGNATION 1009-33-38

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

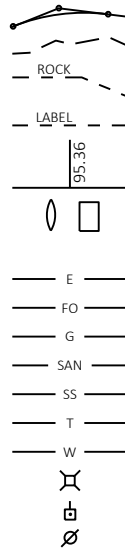
CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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



STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

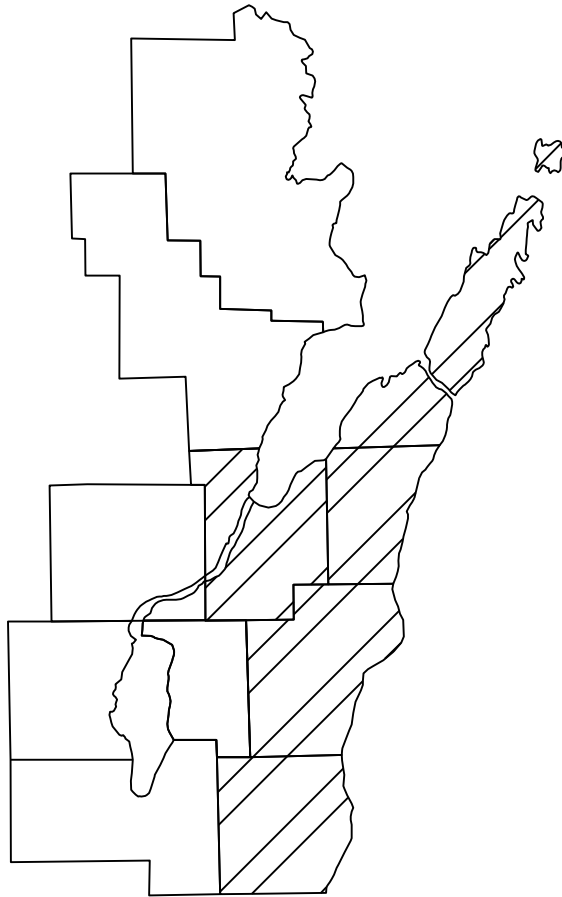
NE REGION WIDE DECK SEALING FY25

VARIOUS ROUTES/HWY

VAR HWY

NORTHEAST REGION WIDE

STATE PROJECT NUMBER
1009-33-39



LAYOUT  
SCALE 0 30 MI

TOTAL NET LENGTH OF CENTERLINE = N/A

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-33-39		

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

PREPARED BY	NE Region
Surveyor	C. GOMBAR
Designer	P. BRAUER
Project Manager	NE Region
Regional Examiner	D. SEGERSTROM
Regional Supervisor	

APPROVED FOR THE DEPARTMENT  
DATE: 1/22/2025  
(Signature)

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2	<div>GENERAL NOTES</div> <div>THERE ARE UTILITY FACILITES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE THEIR 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 MEMEBERS OF DIGGERS HOTLINE.</div> <div>THE CONTRACTOR WILL ENSURE THE DECK SEALING MATERIAL WILL NOT REACH SURFACE WATER. REPORT ANY INCIDENTAL SPILLS TO THE WDNR OFFICE WITHIN 24 HOURS OR THE TOLL FREE HOTLINE, 1-800-943-0003, IF WDNR CONTACT IS NOT AVAILABLE.</div> <div>ANY INCIDENTAL GROUND DISTURBANCES WILL BE RESTORED AS SOON AS CONDITIONS PERMIT. USE APPROPRIATE EROSION CONTROL DEVIVES UNTIL RESTORATION OF DISTURBED SOILS ARE COMPLETE.</div> <div>ANY MATERIAL INADVERTENTLY FALLING ONTO THE STREAMBED AND BANKS AND/OR WETLANDS WILL BE REMOVED IMMEDIATELY.</div> <div>WASTE OR EXCESS MATERIALS WILL NOT BE DISPOSED OF IN FLOODPLAINS, WETLANDS OR WATERWAYS.</div>			2		
		<div>CONTACTS</div> <div>WISCONSIN DNR LIAISON</div> <div>BROWN COUNTY JIM DOPERALSKI, JR. 2984 SHAWANO AVENUE GREEN BAY, WI 54313 (920) 412-0165 james.doperalski@wisconsin.gov</div> <div>WISCONSIN DNR LIAISON</div> <div>DOOR, KEWAUNEE, &amp; MANITOWOC COUNTIES MATTHEW SCHAEVE 2984 SHAWANO AVENUE GREEN BAY, WI 54313 (920) 366-1544 matthew.schaeve@wisconsin.gov</div> <div>WISCONSIN DNR LIAISON</div> <div>SHEBOYGAN COUNTY JAY SCHIEFELBEIN 2984 SHAWANO AVENUE GREEN BAY, WI 54313 (920) 360-3784 jeremiah.schiefelbein@wisconsin.gov</div> <div>BROWN COUNTY HIGHWAY COMMISSIONER</div> <div>PAUL FONTECCHIO 2198 GLENDALE AVENUE GREEN BAY, WI 54303 (920) 492-4925 fontecchio_pa@co.brown.wi.us</div> <div>DOOR COUNTY HIGHWAY COMMISSIONER</div> <div>THAD ASH 1001 SOUTH DULUTH AVENUE STURGEON BAY, WI 54235 (920) 746-2504 tash@co.door.wi.us</div> <div>KEWAUNEE COUNTY HIGHWAY COMMISSIONER</div> <div>TODD EVERY E4280 COUNTY ROAD F KEWAUNEE, WI 54216 (920) 388-3707 every.todd@kewauneeco.org</div> <div>MANITOWOC COUNTY HIGHWAY COMMISSIONER</div> <div>GREG GROTEGUT 3500 STATE ROAD 310 MANITOWOC, WI 54220 (920) 683-4353 gregorygrotegut@co.manitowoc.wi.us</div> <div>SHEBOYGAN COUNTY HIGHWAY COMMISSIONER</div> <div>BRYAN OLSON W5741 CTH J PLYMOUTH, WI 53073 (920) 459-3822 bryan.olson@sheboygancountywi.gov</div>				
	<div>ORDER OF SECTION 2 DETAIL SHEETS</div> <div>GENERAL NOTES TRAFFIC CONTROL</div>					
PROJECT NO: 1009-33-39		HWY: VAR HWY	COUNTY: NE REGION WIDE	GENERAL NOTES	SHEET	E

DIGGERSHOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com

COUNTY	BRIDGE NO.	ON	OVER	TRAFFIC CONTROL	TRAFFIC CONTROL AND WORK RESTRICTIONS
USH 10					
MANITOWOC	B-36-0892	USH 10- MAINT ST	MUD CREEK	FLAGGING	

USH 10 / STH 42					
MANITOWOC	B-36-0112	USH 10W-STH 42S-WALDO BD	MANITOWOC RIVER	LANE CLOSURE	
MANITOWOC	B-36-0113	USH 10E-STH 42N-WALDO BD	MANITOWOC RIVER	LANE CLOSURE	
MANITOWOC	B-36-0114	USH 10W-STH 42S-WALDO BD	WHITEWATER DR	LANE CLOSURE	
MANITOWOC	B-36-0115	USH 10E-STH 42N-WALDO BD	WHITEWATER DR	LANE CLOSURE	

USH 151					
MANITOWOC	B-36-0026	USH 151	SILVER CREEK	FLAGGING	
MANITOWOC	B-36-0109	STH 147	E TWIN RIVER	FLAGGING	
MANITOWOC	B-36-0210	USH 151	CEDAR CREEK	FLAGGING	
MANITOWOC	B-36-0211	USH 151	BR MANITOWOC RIVER	FLAGGING	

STH 23					
SHEBOYGAN	B-59-0080	Y	STH 23	LANE CLOSURE	
SHEBOYGAN	B-59-0091	STH 23 EB	STH 67	LANE CLOSURE	
SHEBOYGAN	B-59-0092	STH 23 EB	STH 57	LANE CLOSURE	
SHEBOYGAN	B-59-0093	STH 23 WB	STH 57	LANE CLOSURE	
SHEBOYGAN	B-59-0097	STH 23 EB	SUNSET DRIVE / RR	LANE CLOSURE	
SHEBOYGAN	B-59-0179	CTH C	STH 23	LANE SHIFT OR FLAGGING	
SHEBOYGAN	B-59-0180	STH 23 WB	Sunset Drive	LANE CLOSURE	
SHEBOYGAN	B-59-0309	STH 23 WB	STH 67	LANE CLOSURE	
SHEBOYGAN	B-59-0315	STH 23 EB	ICE AGE TRAIL	LANE CLOSURE	
SHEBOYGAN	B-59-0316	STH 23 WB	ICE AGE TRAIL	LANE CLOSURE	

STH 28					
SHEBOYGAN	B-59-0013	STH 28 EB/57 NB-MILL ST	ONION RIVER	LANE CLOSURE	
SHEBOYGAN	B-59-0158	STH 28 WB/57 SB-MILL ST	ONION RIVER	LANE CLOSURE	

STH 29					
KEWAUNEE	B-31-0067	STH 29	E TWIN RIVER	FLAGGING	

STH 32					
MANITOWOC	B-36-0011	STH 32 NB-STH 57 NB	SHEBOYGAN RIVER	LANE CLOSURE	
MANITOWOC	B-36-0137	STH 32 SB-STH 57 SB	SHEBOYGAN RIVER	LANE CLOSURE	
SHEBOYGAN	B-59-0027	STH 32	ONION RIVER	FLAGGING	
SHEBOYGAN	B-59-0134	STH 32-WISCONSIN DR	FISHER CREEK	FLAGGING	

COUNTY	BRIDGE NO.	ON	OVER	TRAFFIC CONTROL	TRAFFIC CONTROL AND WORK RESTRICTIONS
STH 42					
DOOR	B-15-005	STH 42 SB-STH 57 SB	GREEN BAY RD	LANE CLOSURE	No lane closures on Sundays after 11am from Memorial Day to Labor Day
DOOR	B-15-006	STH 42 NB-STH 57 NB	GREEN BAY RD	LANE CLOSURE	No lane closures on Fridays after Noon from Memorial Day to Labor Day
KEWAUNEE	B-31-0112	STH 42	THREE MILE CREEK	FLAGGING	
MANITOWOC	B-36-0135	STH 147	WEST TWIN RIVER	FLAGGING	
MANITOWOC	B-36-0239	STH 42	SILVER CREEK	FLAGGING	
SHEBOYGAN	B-59-0066	STH 42	PIGEON RIVER	FLAGGING	
SHEBOYGAN	B-59-0089	STH 42-MADISON AVE	PIGEON RIVER	FLAGGING	

STH 57					
DOOR	B-15-0016	STH 57 SB	AHNAPEE R	LANE CLOSURE	No lane closures on Sundays after 11am from Memorial Day to Labor Day
DOOR	B-15-0017	STH 57 NB	AHNAPEE R	LANE CLOSURE	No lane closures on Fridays after Noon from Memorial Day to Labor Day
DOOR	B-15-0021	STH 57 NB	RENARD CR	LANE CLOSURE	No lane closures on Fridays after Noon from Memorial Day to Labor Day
DOOR	B-15-0022	STH 57 SB	RENARD CR	LANE CLOSURE	No lane closures on Sundays after 11am from Memorial Day to Labor Day
KEWAUNEE	B-31-0086	CTH S	STH 57	FLAGGING	
SHEBOYGAN	B-59-0006	STH 57	SHEBOYGAN RIVER	FLAGGING	
SHEBOYGAN	B-59-0308	STH 57	CTH A	FLAGGING	

STH 67					
MANITOWOC	B-36-0075	STH 67	CEDAR CREEK	FLAGGING	
MANITOWOC	B-36-0132	STH 67	SHEBOYGAN RIVER	FLAGGING	

IH 43					
BROWN	B-05-0187	IH 43 NB	GLENMORE RD	LANE CLOSURE	Thurs 2pm-6pm, Fri 10am-7pm
BROWN	B-05-0188	IH 43 SB	GLENMORE RD	LANE CLOSURE	Sun 10am-6pm
BROWN	B-05-0194	Allouez Ave	IH 43	FLAGGING	
BROWN	B-05-0196	USH 141-STH 29	IH 43	LANE SHIFT OR FLAGGING	
BROWN	B-05-0198	JJ	IH 43	LANE SHIFT	
BROWN	B-05-0201	GREENBRIER RD	IH 43	FLAGGING	
BROWN	B-05-0202	IH 43 SB	E MASON ST	LANE CLOSURE	Sun 9am-7pm, Mon-Fri 6am-7pm, Sat 9am-6pm
BROWN	B-05-0203	IH 43 NB	E MASON ST	LANE CLOSURE	Sun 11am-5pm, Mon-Wed 7am-7pm, Thurs-Fri 7am-8pm, Sat 9am-5pm
BROWN	B-05-0205	IH 43 SB	GBW RR	LANE CLOSURE	Sun 9am-7pm, Mon-Fri 6am-7pm, Sat 9am-6pm
BROWN	B-05-0206	IH 43 NB	GBW RR	LANE CLOSURE	Sun 11am-5pm, Mon-Wed 7am-7pm, Thurs-Fri 7am-8pm, Sat 9am-5pm
BROWN	B-05-0207	HUMBOLDT RD	IH 43	FLAGGING	
BROWN	B-05-0208	IH 43 SB	UNIVERSITY AVE	LANE CLOSURE	Sun 9am-7pm, Mon-Fri 6am-7pm, Sat 9am-6pm ; Requires simultaneously closing STH 57 NB to IH-43 SB ramp, <b>close ramp only when IH-43 mainline can be closed</b>
BROWN	B-05-0209	IH 43 NB	UNIVERSITY AVE	LANE CLOSURE	Sun 11am-5pm, Mon-Wed 7am-7pm, Thurs-Fri 7am-8pm, Sat 9am-5pm
BROWN	B-05-0210	RAMP IH 43 NB-STH 54 EB	UNIVERSITY AVE	LANE SHIFT	
BROWN	B-05-0211	RAMP IH 43 SB-STH 54 EB	STH 54 WB-STH 57 SB	LANE SHIFT	

COUNTY	BRIDGE NO.	ON	OVER	TRAFFIC CONTROL	TRAFFIC CONTROL AND WORK RESTRICTIONS
IH 43 (CONTINUED)					
BROWN	B-05-0212	IH 43 SB	STH 54 EB-STH 57 NB	LANE CLOSURE	Sun 10am-6pm, Mon-Fri 7am-6pm, Sat 9am-4pm; Requires simultaneously closing STH 57 SB to IH-43 SB ramp, <b>close ramp only 7pm-6am nightly</b>
BROWN	B-05-0213	IH 43 NB	STH 54 EB-STH 57 NB	LANE CLOSURE	Sun 10am-6pm, Mon-Wed 6am-6pm, Thurs-Fri 6am-7pm, Sat 9am-4pm; Requires simultaneously closing STH 57 NB to IH-43 SB ramp, <b>close ramp only 8pm-6am nightly</b>
BROWN	B-05-0214	RAMP IH 43 NB-STH 54 WB	STH 54 EB-STH 57 NB	LANE SHIFT	
BROWN	B-05-0215	IH 43 SB	STH 54 WB-STH 57 SB	LANE CLOSURE	Sun 10am-6pm, Mon-Fri 7am-6pm, Sat 9am-4pm; Requires simultaneously closing STH 57 SB to IH-43 SB ramp, <b>close ramp only 7pm-6am nightly</b>
BROWN	B-05-0216	IH 43 NB	STH 54 WB-STH 57 SB	LANE CLOSURE	Sun 10am-6pm, Mon-Wed 6am-6pm, Thurs-Fri 6am-7pm, Sat 9am-4pm; Requires simultaneously closing STH 57 NB to IH-43 SB ramp, <b>close ramp only 8pm-6am nightly</b>
BROWN	B-05-0219	IH 43 SB	DANZ AVE	LANE CLOSURE	Sun 10am-6pm, Mon-Fri 7am-6pm, Sat 9am-4pm
BROWN	B-05-0220	IH 43 NB	DANZ AVE	LANE CLOSURE	Sun 10am-6pm, Mon-Wed 6am-6pm, Thurs-Fri 6am-7pm, Sat 9am-4pm
BROWN	B-05-0221	IH 43 SB	IRWIN AVE	LANE CLOSURE	Sun 10am-6pm, Mon-Fri 7am-6pm, Sat 9am-4pm
BROWN	B-05-0222	IH 43 NB	IRWIN AVE	LANE CLOSURE	Sun 10am-6pm, Mon-Wed 6am-6pm, Thurs-Fri 6am-7pm, Sat 9am-4pm
BROWN	B-05-0223	RAMP IH 43 NB-WEBSTER	IRWIN AVE	LANE SHIFT	
BROWN	B-05-0224	IH 43	WEBSTER AVE	LANE CLOSURE	NB: Sun 10am-6pm, Mon-Wed 6am-6pm, Thurs-Fri 6am-7pm, Sat 9am-4pm, SB: Sun 10am-6pm, Mon-Fri 7am-6pm, Sat 9am-4pm; Requires simultaneously closing Webster Ave on-ramp to IH-43 NB, <b>close ramp only when IH-43 mainline can be closed</b>
BROWN	B-05-0226	ATKINSON DRIVE	IH 43	LANE CLOSURE	
BROWN	B-05-0227	MILITARY AVE	IH 43	FLAGGING	
BROWN	B-05-0240	IH 43 SB	TOWN HALL RD	LANE CLOSURE	Sun 10am-6pm
BROWN	B-05-0241	IH 43 NB	TOWN HALL RD	LANE CLOSURE	Thurs 2pm-6pm, Fri 10am-7pm
BROWN	B-05-0242	LANGES CORNER RD	IH 43	FLAGGING	
BROWN	B-05-0247	IH 43 SB	SHADOW LANE	LANE CLOSURE	Sun 10am-6pm
BROWN	B-05-0248	IH 43 NB	SHADOW LANE	LANE CLOSURE	Thurs 2pm-6pm, Fri 10am-7pm
BROWN	B-05-0254	NORTH AVE	IH 43	FLAGGING	
MANITOWOC	B-36-0037	S CLEVELAND RD	IH 43	FLAGGING	
MANITOWOC	B-36-0039	XX	IH 43	LANE SHIFT	
MANITOWOC	B-36-0043	FISCHER CREEK RD	IH 43	FLAGGING	
MANITOWOC	B-36-0045	CTH X	IH 43	FLAGGING	
MANITOWOC	B-36-0046	POINT CREEK RD	IH 43	FLAGGING	
MANITOWOC	B-36-0063	USH 151-STH 42 NB	IH 43	LANE CLOSURE	NB: 7am-9am, SB: 3pm-6pm
MANITOWOC	B-36-0072	IH 43 SB-USH 10 EB	MANITOWOC RIVER	LANE CLOSURE	Sun 10am-6pm
MANITOWOC	B-36-0073	IH 43 NB-USH 10 WB	MANITOWOC RIVER	LANE CLOSURE	Thurs 2pm-6pm, Fri 11am-7pm, Sat 10am-12pm
MANITOWOC	B-36-0074	COUNTY LINE RD	IH 43	FLAGGING	
MANITOWOC	B-36-0077	IH 43 SB	USH 10 WB-STH 310	LANE CLOSURE	Sun 10am-6pm
MANITOWOC	B-36-0078	IH 43 NB	USH 10 WB-STH 310	LANE CLOSURE	Thurs 2pm-6pm, Fri 11am-7pm, Sat 10am-12pm
MANITOWOC	B-36-0080	REIFS MILL RD	IH 43	FLAGGING	
MANITOWOC	B-36-0083	HIDDEN VALLEY RD	IH 43	FLAGGING	
MANITOWOC	B-36-0084	POLIFKA RD	IH 43	FLAGGING	

COUNTY	BRIDGE NO.	ON	OVER	TRAFFIC CONTROL	TRAFFIC CONTROL AND WORK RESTRICTIONS
IH 43 (CONTINUED)					
MANITOWOC	B-36-0085	P	IH 43-USH 10	FLAGGING	
MANITOWOC	B-36-0088	FISCHERVILLE RD (CTH Y)	IH 43	FLAGGING	
MANITOWOC	B-36-0089	ZANDER RD	IH 43	FLAGGING	
MANITOWOC	B-36-0090	GREENSTREET RD	IH 43	FLAGGING	
SHEBOYGAN	B-59-0019	IH 43 NB	SHEBOYGAN RIVER	LANE CLOSURE	Sun 10am-5pm, Mon-Wed 7am-8am, 1pm-6pm, Thurs-Fri 7am-7pm, Sat 9am-3pm
SHEBOYGAN	B-59-0023	MUELLER RD	IH 43	FLAGGING	
SHEBOYGAN	B-59-0025	IH 43 SB	STH 42	LANE CLOSURE	Sun 10am-7pm, Mon-Wed 7am-8am, 1pm-6pm, Thurs-Fri 11am-6pm, Sat 10am-4pm
SHEBOYGAN	B-59-0028	IH 43 NB	STH 28	LANE CLOSURE	Sun 10am-5pm, Mon-Wed 7am-8am, 1pm-6pm, Thurs-Fri 7am-7pm, Sat 9am-3pm
SHEBOYGAN	B-59-0029	IH 43 NB	CNW RR	LANE CLOSURE	Fri 1pm-6pm, Sat 11am-3pm, Sun 10am-7pm
SHEBOYGAN	B-59-0035	IH 43 NB	V	LANE CLOSURE	Fri 1pm-6pm, Sat 11am-3pm, Sun 10am-7pm
SHEBOYGAN	B-59-0037	IH 43 SB	V	LANE CLOSURE	Thurs 1pm-6pm, Fri 10am-7pm, Sat 10am-1pm
SHEBOYGAN	B-59-0042	IH 43 SB	AA	LANE CLOSURE	Thurs 1pm-6pm, Fri 10am-7pm, Sat 10am-1pm
SHEBOYGAN	B-59-0043	IH 43 NB	AA	LANE CLOSURE	Fri 1pm-6pm, Sat 11am-3pm, Sun 10am-7pm
SHEBOYGAN	B-59-0044	KK	IH 43	FLAGGING	
SHEBOYGAN	B-59-0045	IH 43 SB	WILSON-LIMA RD	LANE CLOSURE	Thurs 1pm-6pm, Fri 10am-7pm, Sat 10am-1pm
SHEBOYGAN	B-59-0046	IH 43 NB	WILSON-LIMA RD	LANE CLOSURE	Fri 1pm-6pm, Sat 11am-3pm, Sun 10am-7pm
SHEBOYGAN	B-59-0052	IH 43 SB	CNW RR	LANE CLOSURE	Fri 1pm-6pm, Sat 11am-3pm, Sun 10am-7pm
SHEBOYGAN	B-59-0053	IH 43 SB	STH 28	LANE CLOSURE	Sun 10am-7pm, Mon-Wed 7am-8am, 1pm-6pm, Thurs-Fri 11am-6pm, Sat 10am-4pm
SHEBOYGAN	B-59-0054	IH 43 SB	SHEBOYGAN RIVER	LANE CLOSURE	Sun 10am-7pm, Mon-Wed 7am-8am, 1pm-6pm, Thurs-Fri 11am-6pm, Sat 10am-4pm
SHEBOYGAN	B-59-0059	IH 43 NB	STH 42	LANE CLOSURE	Sun 10am-5pm, Mon-Wed 7am-8am, 1pm-6pm, Thurs-Fri 7am-7pm, Sat 9am-3pm
SHEBOYGAN	B-59-0062	IH 43 NB-STH 32 NB	AMSTERDAM RD	LANE CLOSURE	Thurs 1pm-6pm, Fri 10am-7pm, Sat 10am-1pm
SHEBOYGAN	B-59-0063	IH 43 SB-STH 32 SB	AMSTERDAM RD	LANE CLOSURE	Fri 1pm-6pm, Sat 11am-3pm, Sun 10am-7pm
SHEBOYGAN	B-59-0067	PLAYBIRD RD	IH 43	FLAGGING	
SHEBOYGAN	B-59-0068	GARTON RD	IH 43	FLAGGING	
SHEBOYGAN	B-59-0069	ROWE RD	IH 43	FLAGGING	
SHEBOYGAN	B-59-0073	ORCHARD RD	IH 43	FLAGGING	
SHEBOYGAN	B-59-0075	RAMP IH 43S TO STH 23E	STH 23	LANE CLOSURE	Requires simultaneously closing STH 23 WB to IH-43 SB ramp, close ramp any time except 2pm-6pm
SHEBOYGAN	B-59-0076	IH 43 SB	STH 23	LANE CLOSURE	Sun 10am-7pm, Mon-Wed 7am-8am, 1pm-6pm, Thurs-Fri 11am-6pm, Sat 10am-4pm
SHEBOYGAN	B-59-0077	IH 43 NB	STH 23	LANE CLOSURE	Sun 10am-5pm, Mon-Wed 7am-8am, 1pm-6pm, Thurs-Fri 7am-7pm, Sat 9am-3pm
SHEBOYGAN	B-59-0078	RAMP IH 43N TO STH 23W	STH 23	LANE CLOSURE	Requires simultaneously closing STH 23 EB to IH-43 NB ramp, close ramp any time except 7am-9am, 2pm-5pm
LOCAL ROADS					
DOOR	B-15-100-0001	MICHIGAN STREET	STURGEON BAY	FLAGGING	
DOOR	B-15-100-0002	MICHIGAN STREET	STURGEON BAY	FLAGGING	
DOOR	B-15-100-0004	MICHIGAN STREET	STURGEON BAY	FLAGGING	

Estimate Of Quantities

1009-33-39					
Line	Item	Item Description	Unit	Total	Qty
0002	502.3215	Protective Surface Treatment Reseal	SY	63,025.000	63,025.000
0004	619.1000	Mobilization	EACH	1.000	1.000
0006	643.1050	Traffic Control Signs PCMS	DAY	502.000	502.000
0008	SPV.0060	Special 01.Traffic Control 1009-33-39	EACH	1.000	1.000
0010	SPV.0090	Special 01. Bridge Deck Crack Sealing	LF	53,946.000	53,946.000
0012	SPV.0180	Special 01. Methacrylate Flood Seal	SY	68,371.000	68,371.000

Category	COUNTY	ROUTE	CORRIDOR	OVER	BRIDGE NO.	502.3215 PROTECTIVE SURFACE TREATMENT RESEAL [SY]	SPV.0090.02 BRIDGE DECK CRACK SEALING [LF]	Remarks
0010	DOOR	STH 57 SB	STH 57	AHNAPEE R	B150016	310	75	
0010	DOOR	STH 57 NB	STH 57	AHNAPEE R	B150017	368	60	
0010	DOOR	STH 57 NB	STH 57	RENARD CR	B150021	198	110	
0010	DOOR	STH 57 SB	STH 57	RENARD CR	B150022	198	110	
0010	DOOR	MICHIGAN STREET	STH 57	STURGEON BAY	B1501000001	691	1100	
0010	DOOR	MICHIGAN STREET	STH 57	STURGEON BAY	B1501000002	1133	1650	
0010	DOOR	MICHIGAN STREET	STH 57	STURGEON BAY	B1501000004	3136	5500	

DOOR COUNTY TOTALS6,0348,605

Category	COUNTY	ROUTE	CORRIDOR	OVER	BRIDGE NO.	502.3215 PROTECTIVE SURFACE TREATMENT RESEAL [SY]	SPV.0090.02 BRIDGE DECK CRACK SEALING [LF]	Remarks
0010	KEWAUNEE	STH 29	STH 29	E TWIN RIVER	B310067	195	110	
0010	KEWAUNEE	CTH S	STH 57	STH 57	B310086	1217	242	
0010	KEWAUNEE	STH 42	STH 42	THREE MILE CREEK	B310112	259	22	

KEWAUNEE COUNTY TOTALS1,671374

Category	COUNTY	ROUTE	CORRIDOR	OVER	BRIDGE NO.	502.3215 PROTECTIVE SURFACE TREATMENT RESEAL [SY]	SPV.0090.02 BRIDGE DECK CRACK SEALING [LF]	Remarks
0010	MANITOWOC	STH 32 NB-STH 57 NB	STH 57	SHEBOYGAN RIVER	B360011	426	1056	
0010	MANITOWOC	USH 151	USH 151	SILVER CREEK	B360026	232	275	
0010	MANITOWOC	STH 67	STH 67	CEDAR CREEK	B360075	170	220	
0010	MANITOWOC	STH 147	STH 147	E TWIN RIVER	B360109	685	1568	
0010	MANITOWOC	USH 10W-STH 42S-WALDO BD	USH 10	MANITOWOC RIVER	B360112	1281	3300	
0010	MANITOWOC	USH 10E-STH 42N-WALDO BD	USH 10	MANITOWOC RIVER	B360113	1280	3300	
0010	MANITOWOC	USH 10W-STH 42S-WALDO BD	USH 10	WHITEWATER DR	B360114	612	1100	
0010	MANITOWOC	USH 10E-STH 42N-WALDO BD	USH 10	WHITEWATER DR	B360115	612	1100	
0010	MANITOWOC	STH 67	STH 67	SHEBOYGAN RIVER	B360132	580	1100	
0010	MANITOWOC	USH 151	USH 151	CEDAR CREEK	B360210	260	572	
0010	MANITOWOC	USH 151	USH 151	BR MANITOWOC RIVER	B360211	342	616	
0010	MANITOWOC	STH 42	STH 42	SILVER CREEK	B360239	427	3	
0010	MANITOWOC	USH 10-MAIN ST	USH 10	MUD CREEK	B360892	208	638	

MANITOWOC COUNTY TOTALS7,11514,848

Category	COUNTY	ROUTE	CORRIDOR	OVER	BRIDGE NO.	502.3215 PROTECTIVE SURFACE TREATMENT RESEAL [SY]	SPV.0090.02 BRIDGE DECK CRACK SEALING [LF]	Remarks
0010	SHEBOYGAN	STH 57	STH 57	SHEBOYGAN RIVER	B590006	377	440	
0010	SHEBOYGAN	STH 28 EB/57 NB-MILL ST	STH 57	ONION RIVER	B590013	208	44	
0010	SHEBOYGAN	STH 32	STH 32	ONION RIVER	B590027	528	1100	
0010	SHEBOYGAN	STH 42	STH 42	PIGEON RIVER	B590066	303	495	
0010	SHEBOYGAN	STH 42-MADISON AVE	STH 42	PIGEON RIVER	B590089	717	1300	
0010	SHEBOYGAN	STH 23 EB	STH 23	STH 57	B590092	1468	263	
0010	SHEBOYGAN	STH 23 WB	STH 23	STH 57	B590093	1361	228	
0010	SHEBOYGAN	STH 32-WISCONSIN DR	STH 32	FISHER CREEK	B590134	345	29	
0010	SHEBOYGAN	STH 28 WB/57 SB-MILL ST	STH 57	ONION RIVER	B590158	278	440	
0010	SHEBOYGAN	CTH C	STH 23	STH 23	B590179	2518	935	
0010	SHEBOYGAN	STH 23 WB	STH 23	Sunset Drive	B590180	1470	330	
0010	SHEBOYGAN	STH 57	STH 57	CTH A	B590308	812	1320	
0010	SHEBOYGAN	STH 23 WB	STH 23	STH 67	B590309	2302	1100	
0010	SHEBOYGAN	STH 23 EB	STH 23	ICE AGE TRAIL	B590315	267	100	
0010	SHEBOYGAN	STH 23 WB	STH 23	ICE AGE TRAIL	B590316	251	100	
SHEBOYGAN COUNTY TOTALS						13,205	8,224	

DOOR COUNTY TOTALS	6,034	8,605
KEWAUNEE COUNTY TOTALS	1,671	374
MANITOWOC COUNTY TOTALS	7,115	14,848
SHEBOYGAN COUNTY TOTALS	13,205	8,224
CATEGORY 0010 TOTALS	28,025	32,051

Category	COUNTY	ROUTE	CORRIDOR	OVER	BRIDGE NO.	* PARAPETS ONLY 502.3215 PROTECTIVE SURFACE TREATMENT RESEAL [SY]	SPV.0180.03 Methacrylate Flood Seal [SY]
0010	DOOR	STH 42 SB-STH 57 SB	STH 57	GREEN BAY RD	B150005	94	456
0010	DOOR	STH 42 NB-STH 57 NB	STH 57	GREEN BAY RD	B150006	94	456

DOOR COUNTY TOTAL188912

Category	COUNTY	ROUTE	CORRIDOR	OVER	BRIDGE NO.	* PARAPETS ONLY 502.3215 PROTECTIVE SURFACE TREATMENT RESEAL [SY]	SPV.0180.03 Methacrylate Flood Seal [SY]
0010	MANITOWOC	STH 147	STH 147	WEST TWIN RIVER	B360135	173	851
0010	MANITOWOC	STH 32 SB-STH 57 SB	STH 57	SHEBOYGAN RIVER	B360137	66	364

MANITOWOC COUNTY TOTAL2391,215

Category	COUNTY	ROUTE	CORRIDOR	OVER	BRIDGE NO.	* PARAPETS ONLY 502.3215 PROTECTIVE SURFACE TREATMENT RESEAL [SY]	SPV.0180.03 Methacrylate Flood Seal [SY]
0010	SHEBOYGAN	CTH Y	STH 23	STH 23	B590080	161	1931
0010	SHEBOYGAN	STH 23 EB	STH 23	STH 67	B590091	318	2684
0010	SHEBOYGAN	STH 23 EB	STH 23	SUNSET DRIVE / RR	B590097	225	1354

SHEBOYGAN COUNTY TOTAL7045,969

\* SURFACE AREA (INSIDE FACE AND TOP)

DOOR COUNTY TOTAL188912  
MANITOWOC COUNTY TOTAL2391,215  
SHEBOYGAN COUNTY TOTAL7045,969  
CATEGORY 0010 TOTAL1,1318,096

Category	COUNTY	ROUTE	CORRIDOR	OVER	BRIDGE NO.	502.3215 PROTECTIVE SURFACE TREATMENT RESEAL [SY]	SPV.0090.02 BRIDGE DECK CRACK SEALING [LF]	Remarks
0020	MANITOWOC	S CLEVELAND RD	IH 43	IH 43	B360037	1016	440	
0020	MANITOWOC	CTH XX	IH 43	IH 43	B360039	2223	1595	
0020	MANITOWOC	COUNTY LINE RD	STH 67	IH 43	B360074	956	440	
0020	MANITOWOC	IH 43 SB	USH 10	USH 10 WB-STH 310	B360077	1293	1430	
0020	MANITOWOC	IH 43 NB	USH 10	USH 10 WB-STH 310	B360078	1293	1760	
0020	MANITOWOC	HIDDEN VALLEY RD	IH 43	IH 43	B360083	933	528	
0020	MANITOWOC	POLIFKA RD	IH 43	IH 43	B360084	1620	1100	
0020	MANITOWOC	P	IH 43	IH 43-USH 10	B360085	1308	880	
0020	MANITOWOC	FISCHERVILLE RD (CTH Y)	IH 43	IH 43	B360088	984	462	
0020	MANITOWOC	GREENSTREET RD	IH 43	IH 43	B360090	1063	1210	

MANITOWOC COUNTY TOTALS12,6899,845

Category	COUNTY	ROUTE	CORRIDOR	OVER	BRIDGE NO.	502.3215 PROTECTIVE SURFACE TREATMENT RESEAL [SY]	SPV.0090.02 BRIDGE DECK CRACK SEALING [LF]	Remarks
0020	SHEBOYGAN	IH 43 SB	IH 43	CTH AA	B590042	836	920	
0020	SHEBOYGAN	IH 43 NB	IH 43	CTH AA	B590043	836	920	
0020	SHEBOYGAN	KK	IH 43	IH 43	B590044	1235	1359	
0020	SHEBOYGAN	IH 43 SB	IH 43	CNW RR	B590052	976	1074	
0020	SHEBOYGAN	PLAYBIRD RD	IH 43	IH 43	B590067	953	1048	
0020	SHEBOYGAN	GARTON RD	IH 43	IH 43	B590068	904	994	
0020	SHEBOYGAN	ROWE RD	IH 43	IH 43	B590069	937	1031	
0020	SHEBOYGAN	ORCHARD RD	IH 43	IH 43	B590073	915	1007	
0020	SHEBOYGAN	RAMP IH 43S TO STH 23E	IH 43	STH 23	B590075	1090	1199	
0020	SHEBOYGAN	IH 43 SB	IH 43	STH 23	B590076	1090	1199	
0020	SHEBOYGAN	IH 43 NB	IH 43	STH 23	B590077	1090	1199	
0020	SHEBOYGAN	RAMP IH 43N TO STH 23W	IH 43	STH 23	B590078	1090	100	
SHEBOYGAN COUNTY TOTALS						11,952	12,050	

MANITOWOC COUNTY TOTALS12,6899,845

SHEBOYGAN COUNTY TOTALS11,95212,050

CATEGORY 0020 TOTALS24,64121,895

Category	COUNTY	ROUTE	CORRIDOR	OVER	BRIDGE NO.	* PARAPETS ONLY 502.3215 PROTECTIVE SURFACE TREATMENT RESEAL [SY]	SPV.0180.03 Methacrylate Flood Seal [SY]	Remarks
0020	BROWN	IH 43 NB	IH 43	GLENMORE RD	B050187	111	609	
0020	BROWN	IH 43 SB	IH 43	GLENMORE RD	B050188	111	609	
0020	BROWN	Allouez Ave	IH 43	IH 43	B050194	303	2059	
0020	BROWN	USH 141-STH 29	IH 43	IH 43	B050196	209	1258	
0020	BROWN	JJ	IH 43	IH 43	B050198	213	2722	
0020	BROWN	GREENBRIER RD	IH 43	IH 43	B050201	167	1841	
0020	BROWN	IH 43 SB	IH 43	E MASON ST	B050202	146	799	
0020	BROWN	IH 43 NB	IH 43	E MASON ST	B050203	146	799	
0020	BROWN	IH 43 SB	IH 43	GBW RR	B050205	270	1482	
0020	BROWN	IH 43 NB	IH 43	GBW RR	B050206	262	1433	
0020	BROWN	HUMBOLDT RD	IH 43	IH 43	B050207	219	2504	
0020	BROWN	IH 43 SB	IH 43	UNIVERSITY AVE	B050208	116	856	
0020	BROWN	IH 43 NB	IH 43	UNIVERSITY AVE	B050209	126	688	
0020	BROWN	RAMP IH 43 NB-STH 54 EB	IH 43	UNIVERSITY AVE	B050210	113	478	
0020	BROWN	RAMP IH 43 SB-STH 54 EB	IH 43	STH 54 WB-STH 57 SB	B050211	145	614	
0020	BROWN	IH 43 SB	IH 43	STH 54 EB-STH 57 NB	B050212	141	883	
0020	BROWN	IH 43 NB	IH 43	STH 54 EB-STH 57 NB	B050213	151	1122	
0020	BROWN	RAMP IH 43 NB-STH 54 WB	IH 43	STH 54 EB-STH 57 NB	B050214	134	571	
0020	BROWN	IH 43 SB	IH 43	STH 54 WB-STH 57 SB	B050215	148	1141	
0020	BROWN	IH 43 NB	IH 43	STH 54 WB-STH 57 SB	B050216	156	917	
0020	BROWN	IH 43 SB	IH 43	DANZ AVE	B050219	105	572	
0020	BROWN	IH 43 NB	IH 43	DANZ AVE	B050220	94	669	
0020	BROWN	IH 43 SB	IH 43	IRWIN AVE	B050221	99	823	
0020	BROWN	IH 43 NB	IH 43	IRWIN AVE	B050222	99	541	
0020	BROWN	RAMP IH 43 NB-WEBSTER	IH 43	IRWIN AVE	B050223	128	545	
0020	BROWN	IH 43	IH 43	WEBSTER AVE	B050224	267	1925	
0020	BROWN	ATKINSON DRIVE	IH 43	IH 43	B050226	183	2343	
0020	BROWN	MILITARY AVE	IH 43	IH 43	B050227	152	1237	
0020	BROWN	IH 43 SB	IH 43	TOWN HALL RD	B050240	109	595	
0020	BROWN	IH 43 NB	IH 43	TOWN HALL RD	B050241	109	595	
0020	BROWN	LANGES CORNER RD	IH 43	IH 43	B050242	210	980	
0020	BROWN	IH 43 SB	IH 43	SHADOW LANE	B050247	122	668	
0020	BROWN	IH 43 NB	IH 43	SHADOW LANE	B050248	139	762	
0020	BROWN	NORTH AVE	IH 43	IH 43	B050254	198	812	

\* SURFACE AREA (INSIDE FACE AND TOP)

BROWN COUNTY TOTAL5,40136,452

Category	COUNTY	ROUTE	CORRIDOR	OVER	BRIDGE NO.	* PARAPETS ONLY 502.3215 PROTECTIVE SURFACE TREATMENT RESEAL [SY]	SPV.0180.03 Methacrylate Flood Seal [SY]	Remarks
0020	MANITOWOC	FISCHER CREEK RD	IH 43	IH 43	B360043	246	1011	
0020	MANITOWOC	CTH X	IH 43	IH 43	B360045	297	1312	
0020	MANITOWOC	POINT CREEK RD	IH 43	IH 43	B360046	296	1152	
0020	MANITOWOC	USH 151-STH 42 NB	IH 43	IH 43	B360063	244	2968	
0020	MANITOWOC	IH 43 SB-USH 10 EB	IH 43	MANITOWOC RIVER	B360072	409	2239	
0020	MANITOWOC	IH 43 NB-USH 10 WB	IH 43	MANITOWOC RIVER	B360073	409	2239	
0020	MANITOWOC	REIFS MILL RD	IH 43	IH 43	B360080	189	737	
0020	MANITOWOC	ZANDER RD	IH 43	IH 43	B360089	279	1147	

MANITOWOC COUNTY TOTAL2,36912,805

Category	COUNTY	ROUTE	CORRIDOR	OVER	BRIDGE NO.	* PARAPETS ONLY 502.3215 PROTECTIVE SURFACE TREATMENT RESEAL [SY]	SPV.0180.03 Methacrylate Flood Seal [SY]	Remarks
0020	SHEBOYGAN	IH 43 NB	IH 43	SHEBOYGAN RIVER	B590019	109	1019	
0020	SHEBOYGAN	MUELLER RD	IH 43	IH 43	B590023	104	731	
0020	SHEBOYGAN	IH 43 SB	IH 43	STH 42	B590025	109	925	
0020	SHEBOYGAN	IH 43 NB	IH 43	STH 28	B590028	149	816	
0020	SHEBOYGAN	IH 43 NB	IH 43	CNW RR	B590029	103	870	
0020	SHEBOYGAN	IH 43 NB	IH 43	CTH V	B590035	84	709	
0020	SHEBOYGAN	IH 43 SB	IH 43	CTH V	B590037	84	712	
0020	SHEBOYGAN	IH 43 SB	IH 43	WILSON-LIMA RD	B590045	63	548	
0020	SHEBOYGAN	IH 43 NB	IH 43	WILSON-LIMA RD	B590046	63	548	
0020	SHEBOYGAN	IH 43 SB	IH 43	STH 28	B590053	149	816	
0020	SHEBOYGAN	IH 43 SB	IH 43	SHEBOYGAN RIVER	B590054	109	1233	
0020	SHEBOYGAN	IH 43 NB	IH 43	STH 42	B590059	104	905	
0020	SHEBOYGAN	IH 43 NB-STH 32 NB	IH 43	AMSTERDAM RD	B590062	114	593	
0020	SHEBOYGAN	IH 43 SB-STH 32 SB	IH 43	AMSTERDAM RD	B590063	114	593	
SHEBOYGAN COUNTY TOTAL						1,458	11,018	

\* SURFACE AREA (INSIDE FACE AND TOP)

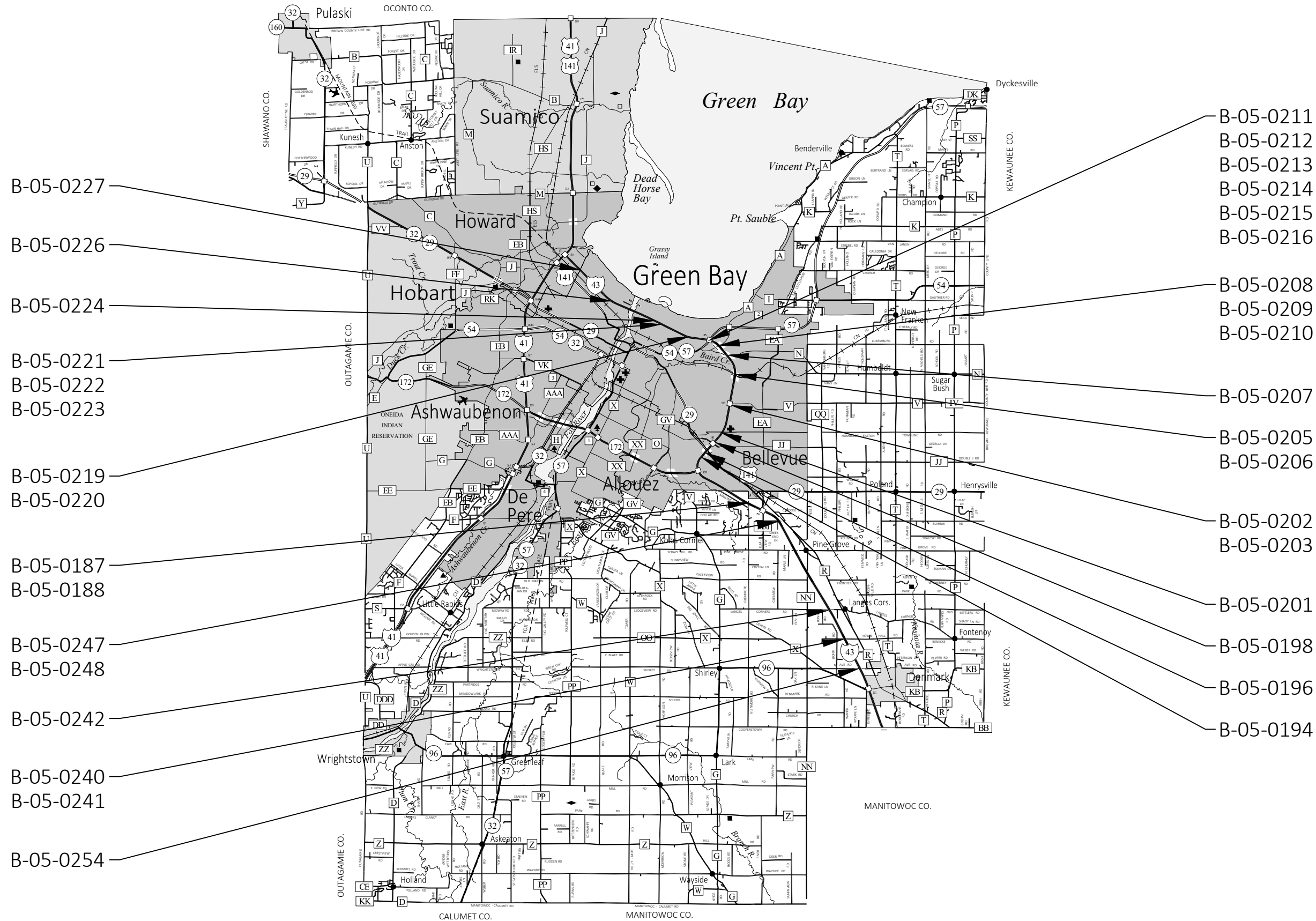
BROWN COUNTY TOTAL5,40136,452  
MANITOWOC COUNTY TOTAL2,36912,805  
SHEBOYGAN COUNTY TOTAL1,45811,018  
CATEGORY 0020 MMA TOTAL9,22860,275

3

3

TRAFFIC CONTROL SIGNS PCMS					
CATEGORY	ROADWAY	APPROX. SERVICE PERIOD DAYS	NUMBER IN SERVICE	643.1050 DAY	REMARKS
0010	USH 10 / STH 42	3	4	12	B-36-0112, B-36-0113, B-36-0114, B-36-0115
0010	STH 23	7	9	63	B-59-0080, B-59-0091, B-59-0092, B-59-0093, B-59-0097, B-59-0180, B-59-0309, B-59-0315, B-59-0316
0010	STH 28	3	2	6	B-59-0013, B-59-0158
0010	STH 32	3	2	6	B-36-0011, B-36-0137
0010	STH 42	3	2	6	B-15-0005, B-15-0006
0010	STH 57	7	4	28	B-15-0016, B-15-0017, B-15-0021, B-15-0022
			0010 TOTAL	121	
0020	IH 43	3	1	3	B-05-0226
0020	IH 43	7	46	322	B-05-0187, B-05-0188, B-05-0202, B-05-0203, B-05-0205, B-05-0206, B-05-0208, B-05-0209, B-05-0212, B-05-0213, B-05-0215, B-05-0216, B-05-0219, B-05-0220, B-05-0221, B-05-0222, B-05-0224, B-05-0240, B-05-0241, B-05-0247, B-05-0248, B-36-0063, B-36-0072, B-36-0073, B-36-0077, B-36-0078, B-59-0019, B-59-0025, B-59-0028, B-59-0029, B-59-0035, B-59-0037, B-59-0042, B-59-0043, B-59-0045, B-59-0046, B-59-0052, B-59-0053, B-59-0054, B-59-0059, B-59-0062, B-59-0063, B-59-0075, B-59-0076, B-59-0077, B-59-0078
0020	IH-43 SYSTEM RAMPS	7	8	56	SOME STRUCTURES WILL REQUIRE RAMP CLOSURE DURING THE STRUCTURE WORK. SEE TRAFFIC CONTROL AND WORK RESTRICTIONS FOR LOCATIONS. THIS IS THE PCMS QUANTITY FOR THE RAMPS: STH 57 NB to IH-43 SB ramp, STH 57 SB to IH-43 SB ramp, STH 57 NB to IH-43 SB ramp, STH 57 SB to IH-43 SB ramp, STH 57 NB to IH-43 SB ramp, Webster Ave on-ramp to IH-43 NB, STH 23 WB to IH-43 SB ramp, STH 23 EB to IH-43 NB ramp
			0020 TOTAL	381	
			0010 + 0020 TOTAL	502	

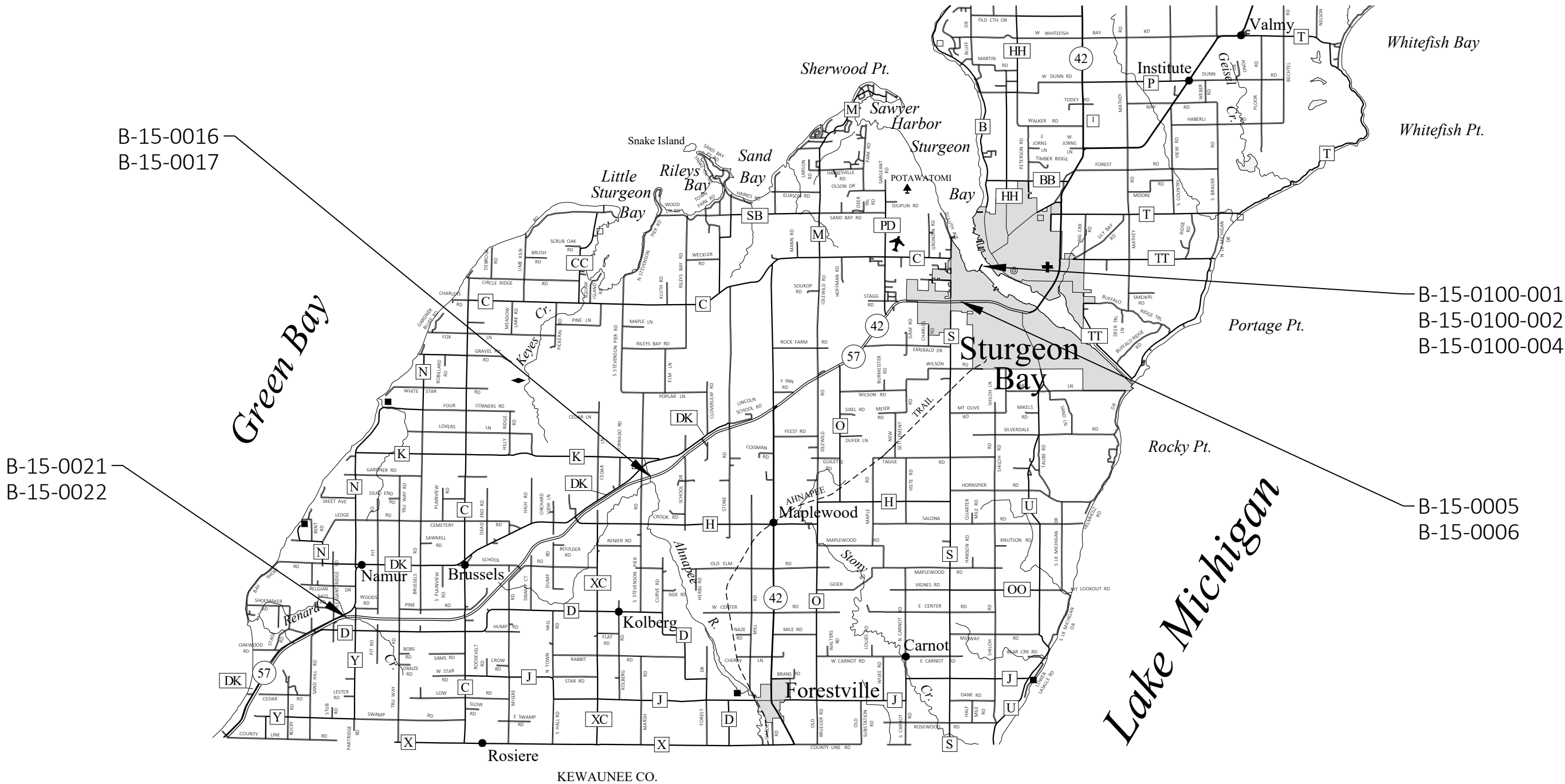
NOTE: ADDITIONAL ADVANCED WARNING WILL BE NECESSARY IF LOCAL BRIDGES ARE COMPLETELY CLOSED.  
SEE TRAFFIC CONTROL AND WORK RESTRICTIONS FOR LOCATIONS.



- B-05-0211
- B-05-0212
- B-05-0213
- B-05-0214
- B-05-0215
- B-05-0216
- B-05-0208
- B-05-0209
- B-05-0210
- B-05-0207
- B-05-0205
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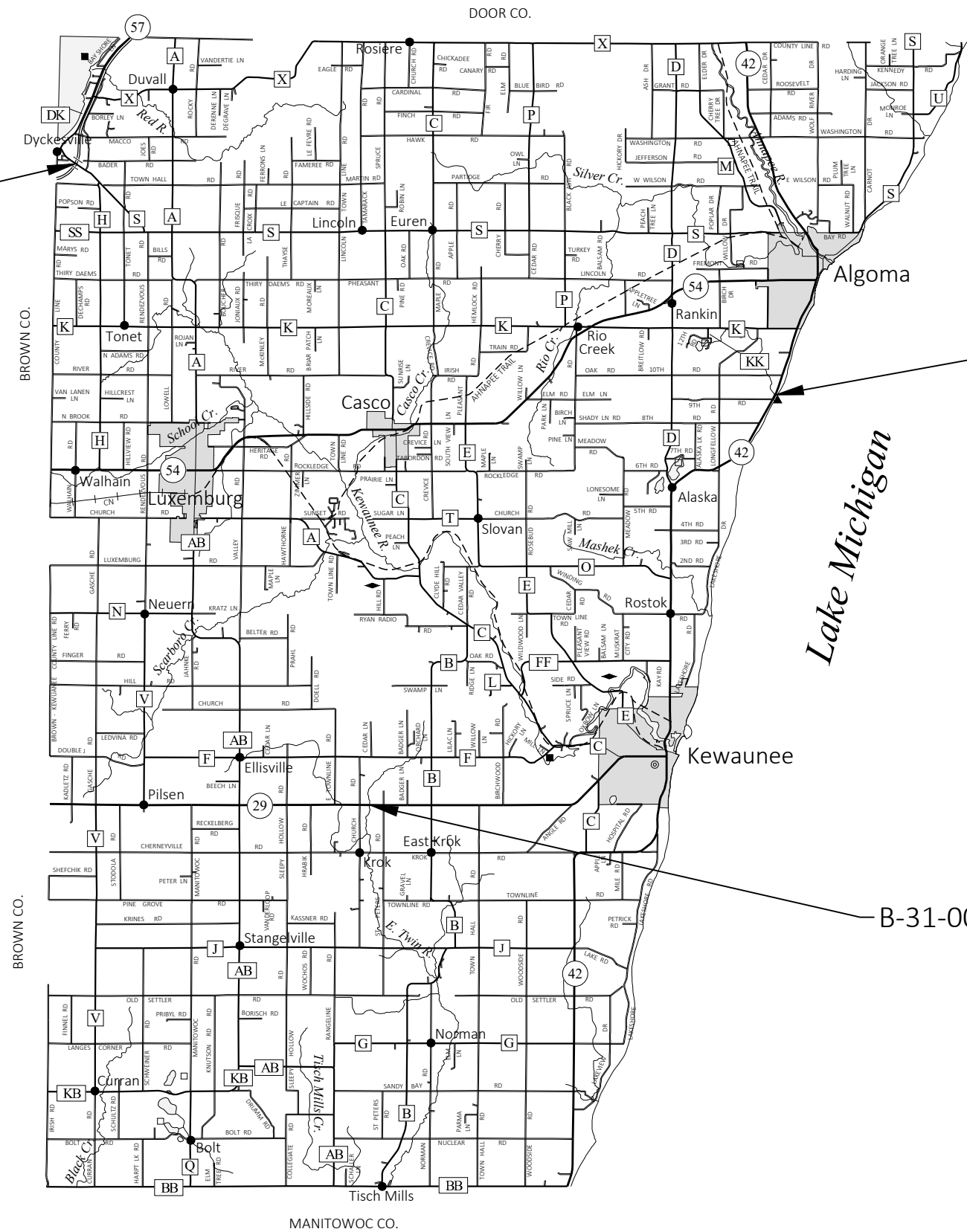
**BROWN COUNTY**

PROJECT NO: 1009-33-39	HWY: VAR HWY	COUNTY: NE REGION WIDE	PLAN SHEETS	SHEET	E
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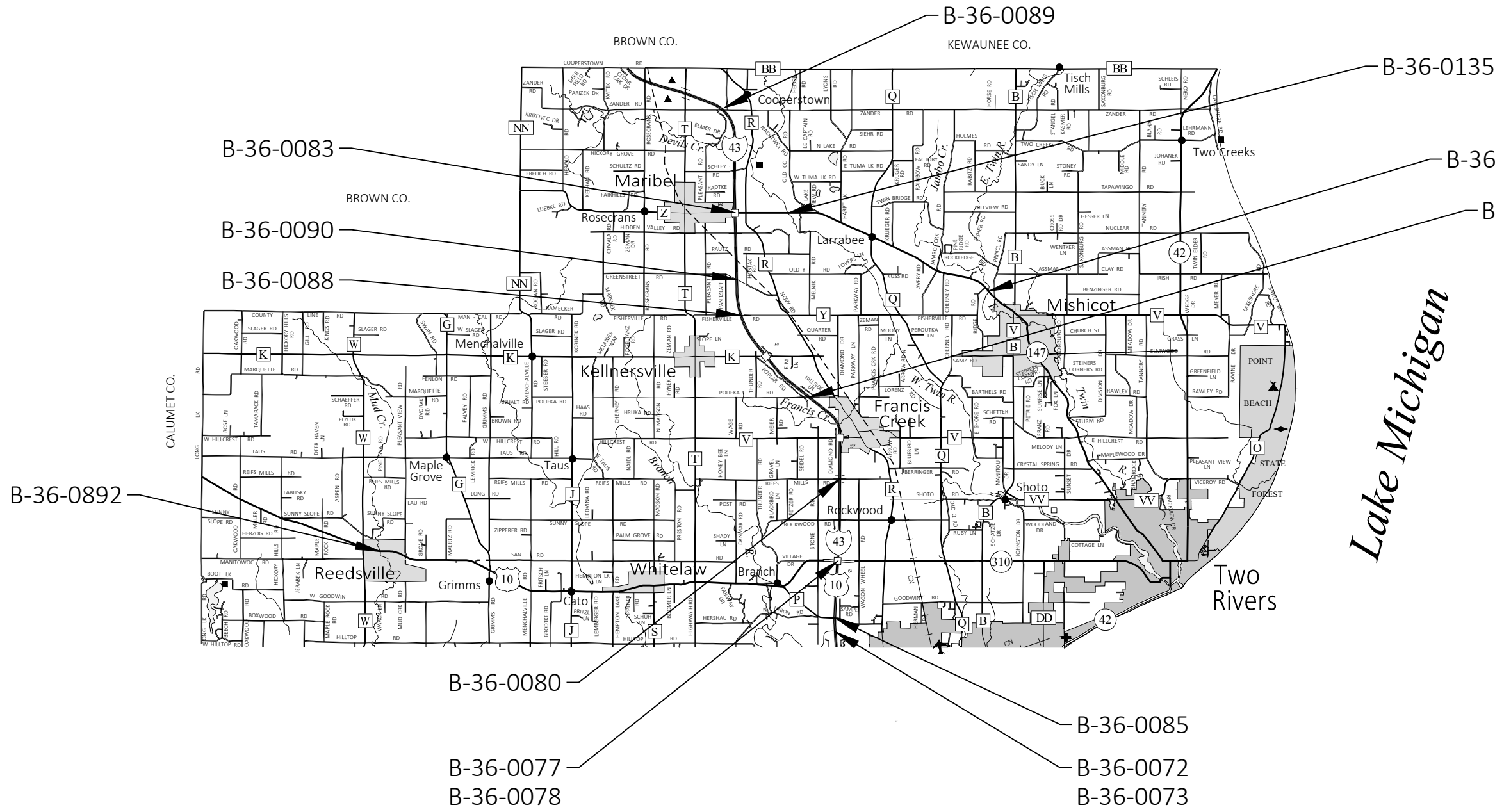
**DOOR COUNTY**

PROJECT NO: 1009-33-39	HWY: VAR HWY	COUNTY: NE REGION WIDE	PLAN SHEETS	SHEET	E
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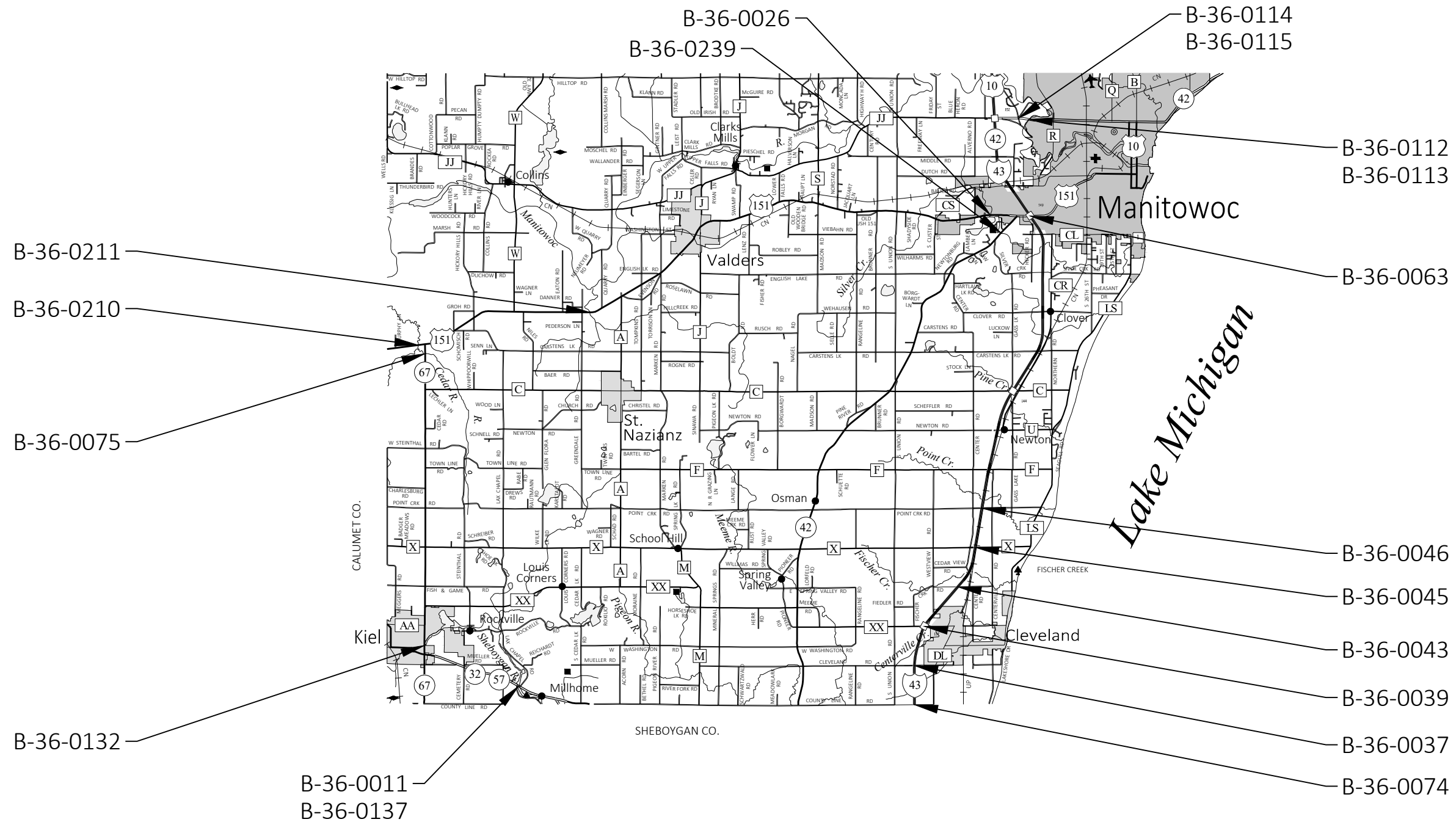
KEWAUNEE COUNTY

PROJECT NO: 1009-33-39	HWY: VAR HWY	COUNTY: NE REGION WIDE	PLAN SHEETS	SHEET	E
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**MANITOWOC COUNTY (NORTH)**

PROJECT NO: 1009-33-39	HWY: VAR HWY	COUNTY: NE REGION WIDE	PLAN SHEETS	SHEET	E
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## MANITOWOC COUNTY (SOUTH)

PROJECT NO: 1009-33-39

HWY: VAR HWY

COUNTY: NE REGION WIDE

PLAN SHEETS

SHEET

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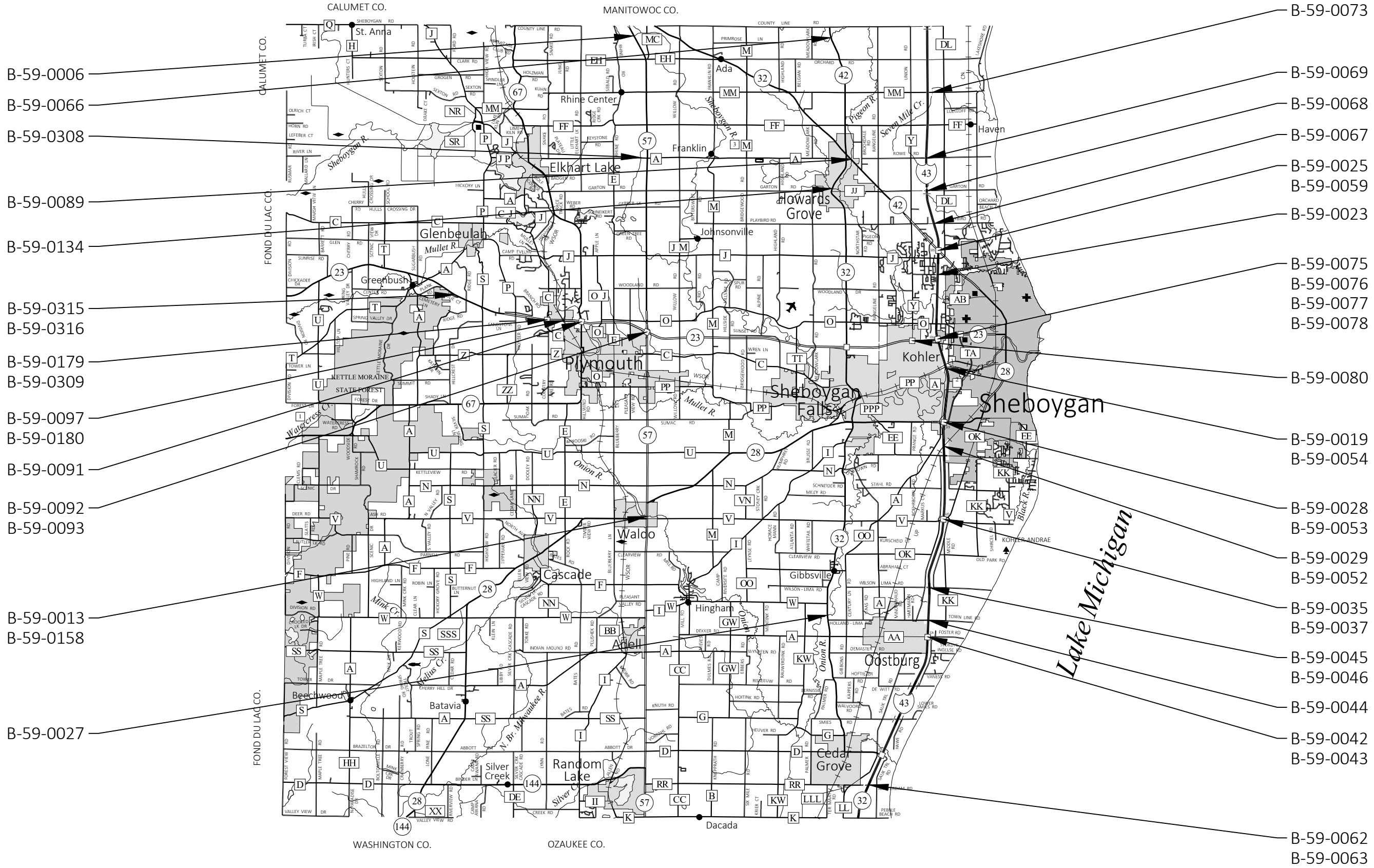
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PLOT BY : GOMBAR, CLEVELAND F

PLOT NAME :

PLOT SCALE : 1 IN:3 MI

WISDOT/CADDs SHEET 44

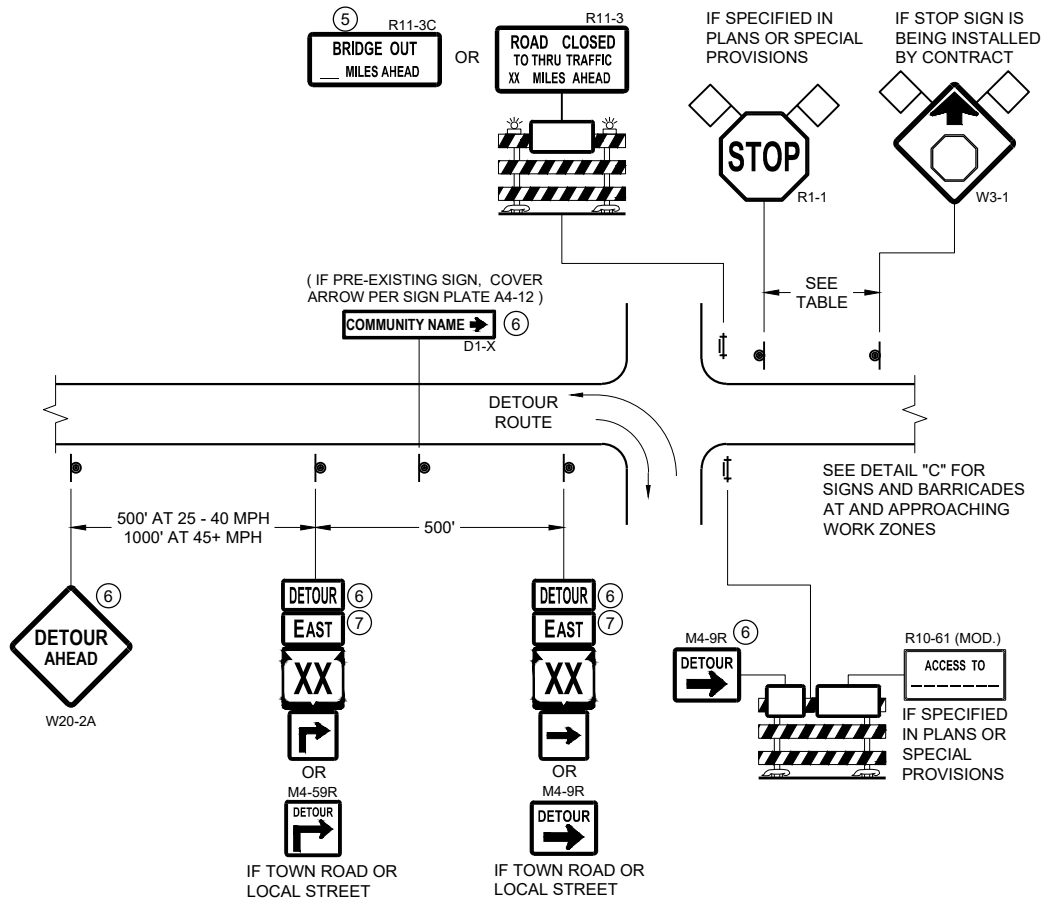


**SHEBOYGAN COUNTY**

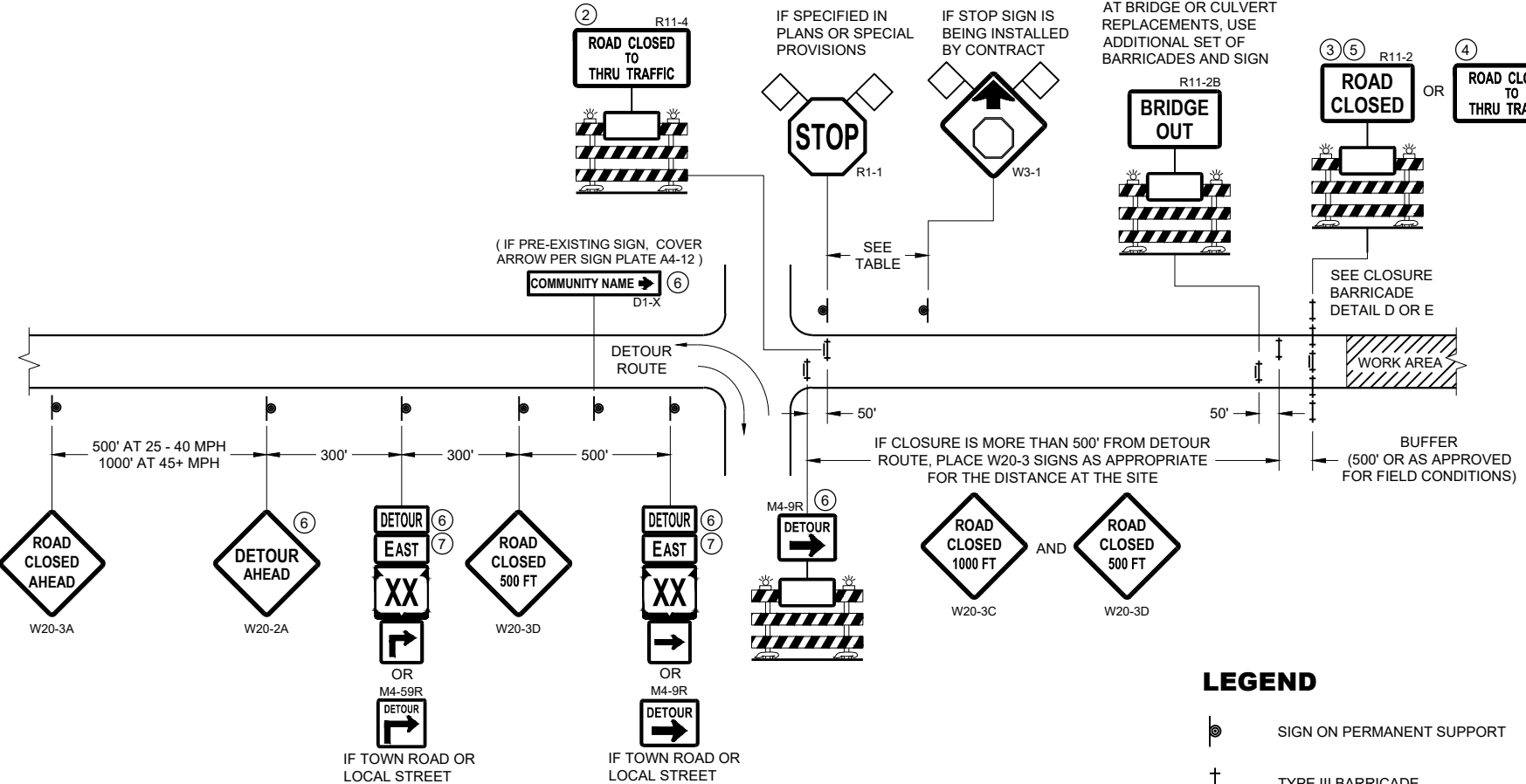
PROJECT NO: 1009-33-39	HWY: VAR HWY	COUNTY: NE REGION WIDE	PLAN SHEETS	SHEET	E
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Standard Detail Drawing List

15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15D12-13A	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D12-13B	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D14-07	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY
15D15-07A	TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07B	TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07C	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07D	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07E	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D16-06	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-08A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-08B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-08C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D23-07A	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D23-07B	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D40-05C	TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D40-05D	TRAFFIC CONTROL, PARTIAL LANE SHIFT MULTILANE DIVIDED 50 MPH AND GREATER
15D43-02	TRAFFIC CONTROL, SHORT DURATION MOBILE OPERATIONS
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY



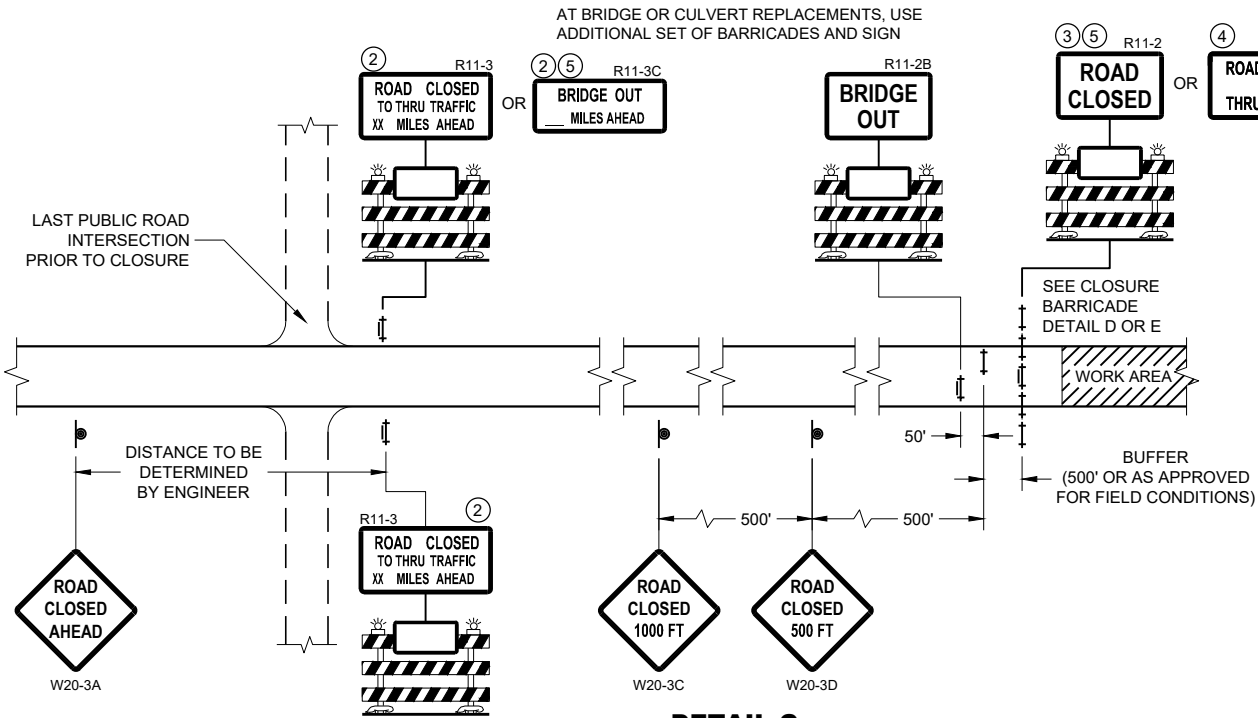
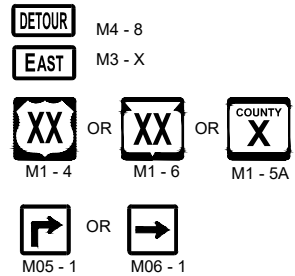
**DETAIL A**  
**MAINLINE CLOSURE WITH POSTED DETOUR**  
WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM  
DETOUR ROUTE ( 1000 FEET IF URBAN )



**DETAIL B**  
**MAINLINE CLOSURE WITH POSTED DETOUR**  
WORK ZONE LESS THAN ½ MILE FROM  
DETOUR ROUTE ( 1000 FEET IF URBAN )

- LEGEND**
- SIGN ON PERMANENT SUPPORT
  - TYPE III BARRICADE
  - TYPE III BARRICADE WITH ATTACHED SIGN
  - TYPE "A" WARNING LIGHT (FLASHING)
  - WORK AREA
  - FLAGS, 16" X 16" MIN. (ORANGE)

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750



**DETAIL C**  
**MAINLINE CLOSURE, NO POSTED DETOUR**

SEE SDD 15C2-SHEET "b"  
FOR GENERAL NOTES  
AND FOOTNOTES ① THROUGH ⑦

**BARRICADES AND SIGNS  
FOR MAINLINE CLOSURES**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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

FHWA



SEE SDD 15C2 - SHEET "a" FOR LEGEND

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

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.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

LESS OTHERWISE NOTED BELOW:

R11 - 2 SHALL BE 48" X 30"  
R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60" X 30"  
M4 - 9 SHALL BE 30" X 24"  
M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)  
M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)  
M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)  
MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)  
D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.  
R1 - 1 SHALL BE 36" X 36"

- ① TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING).
- ② THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- ③ FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- ④ FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- ⑤ FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.
- ⑥ INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- ⑦ "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
May 2023  
DATE

/S/ Andrew Heidtknecht  
WORK ZONE ENGINEER

GENERAL NOTES

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

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




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

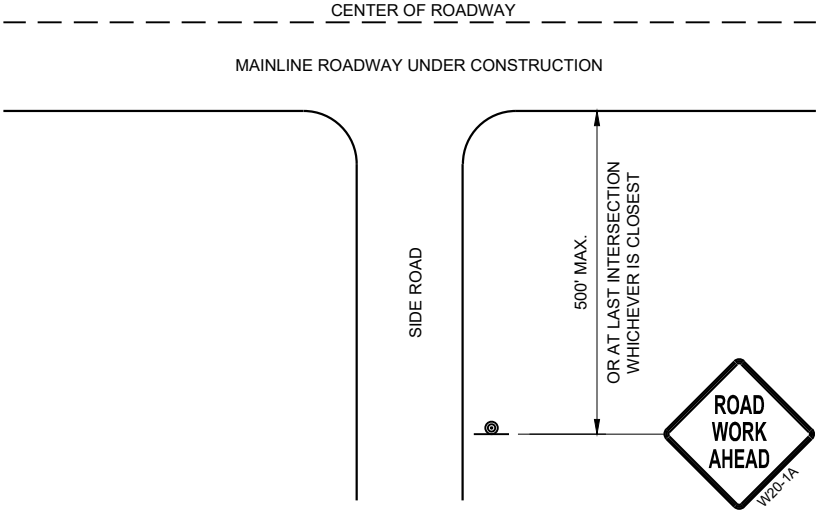
SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

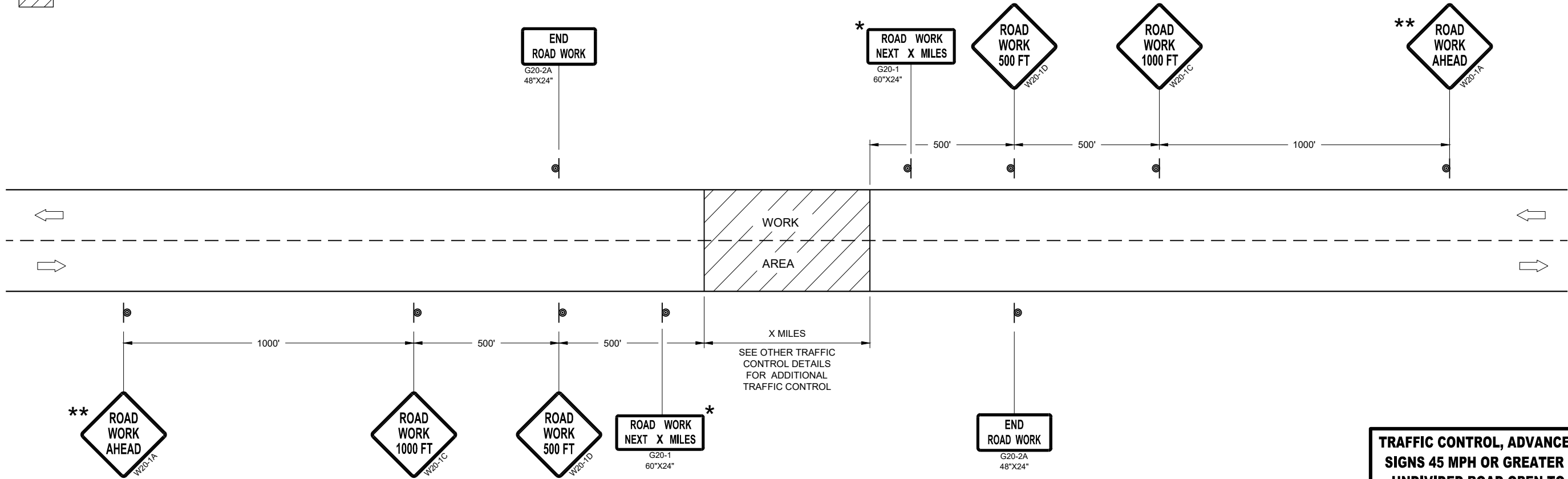
- \* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS
- \*\* PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA



TYPICAL SIDE ROAD APPROACH  
WARNING SIGN DETAIL

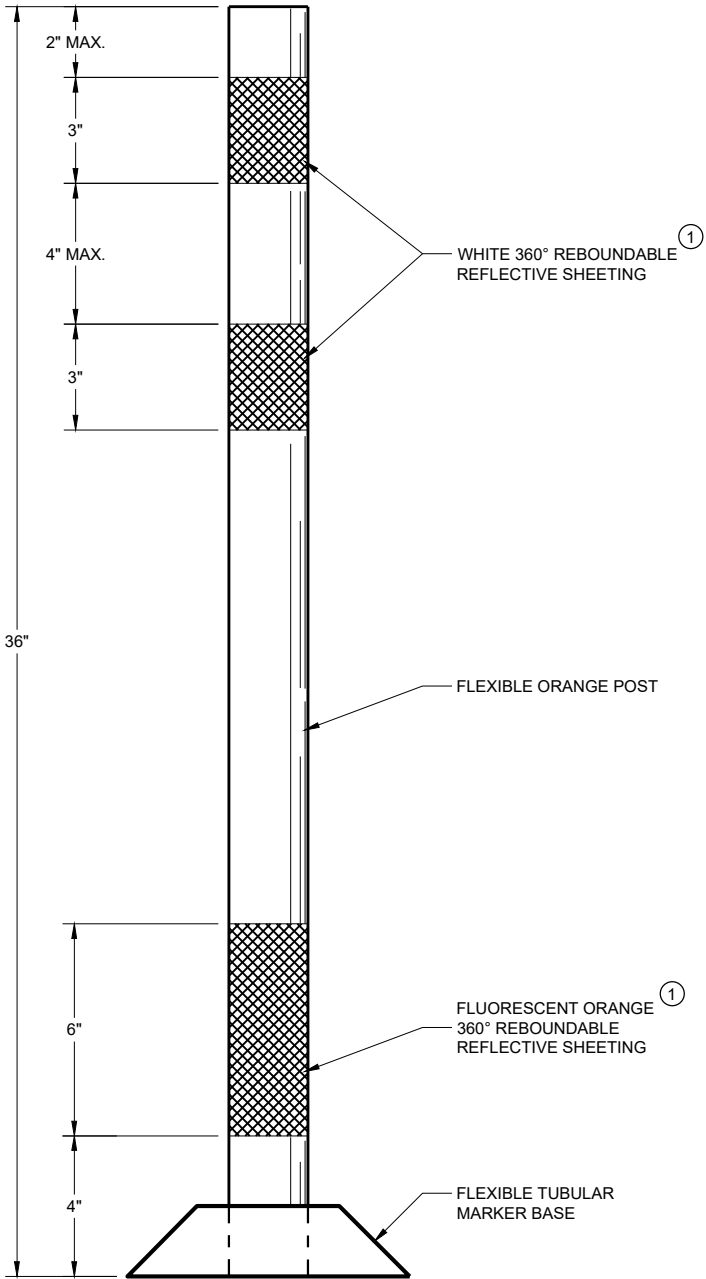


TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING  
SIGNS 45 MPH OR GREATER TWO-WAY  
UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
July 2018 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER  
FHWA



FLEXIBLE TUBULAR  
MARKER POST  
WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

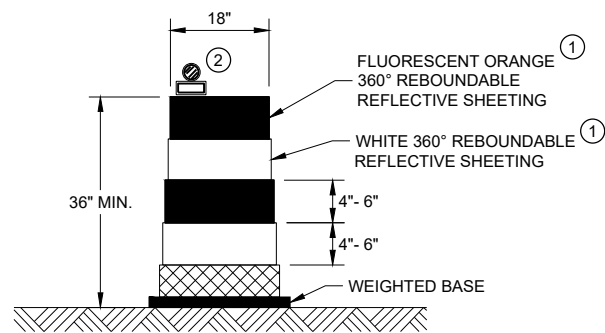
① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES  
FLEXIBLE TUBULAR  
MARKER POST

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

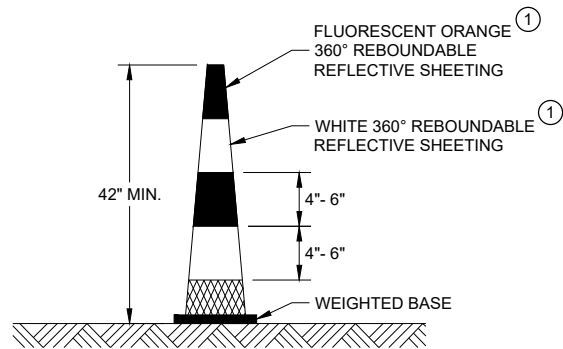
APPROVED  
November 2022 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER

FHWA



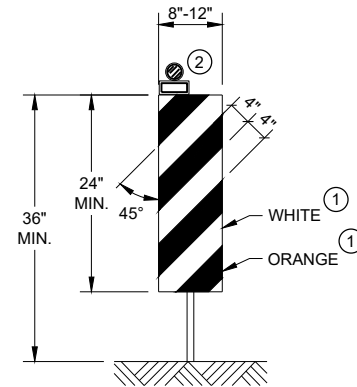
**DRUM**

BALLAST WIDTHS  
RANGE FROM 24"-36"



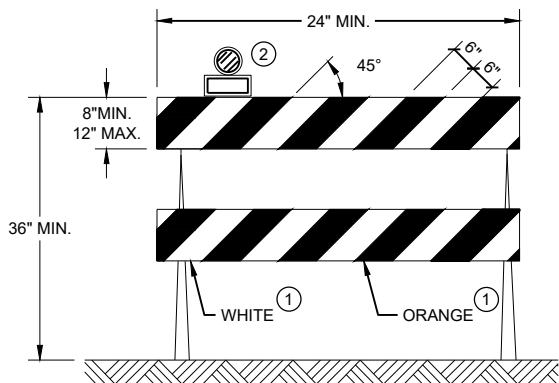
**42" CONE**

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



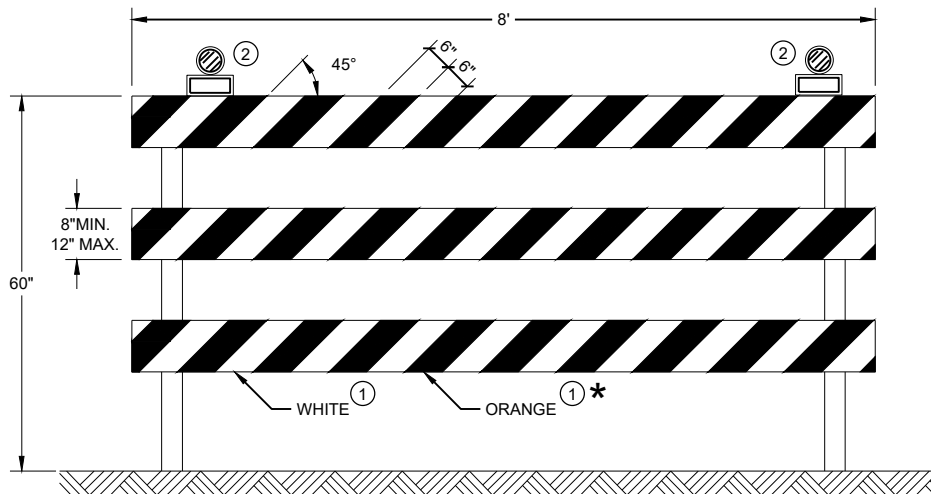
**VERTICAL PANEL**

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



**TYPE 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.

**GENERAL NOTES**

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






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

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
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

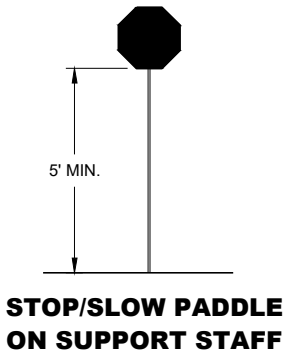
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- 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.

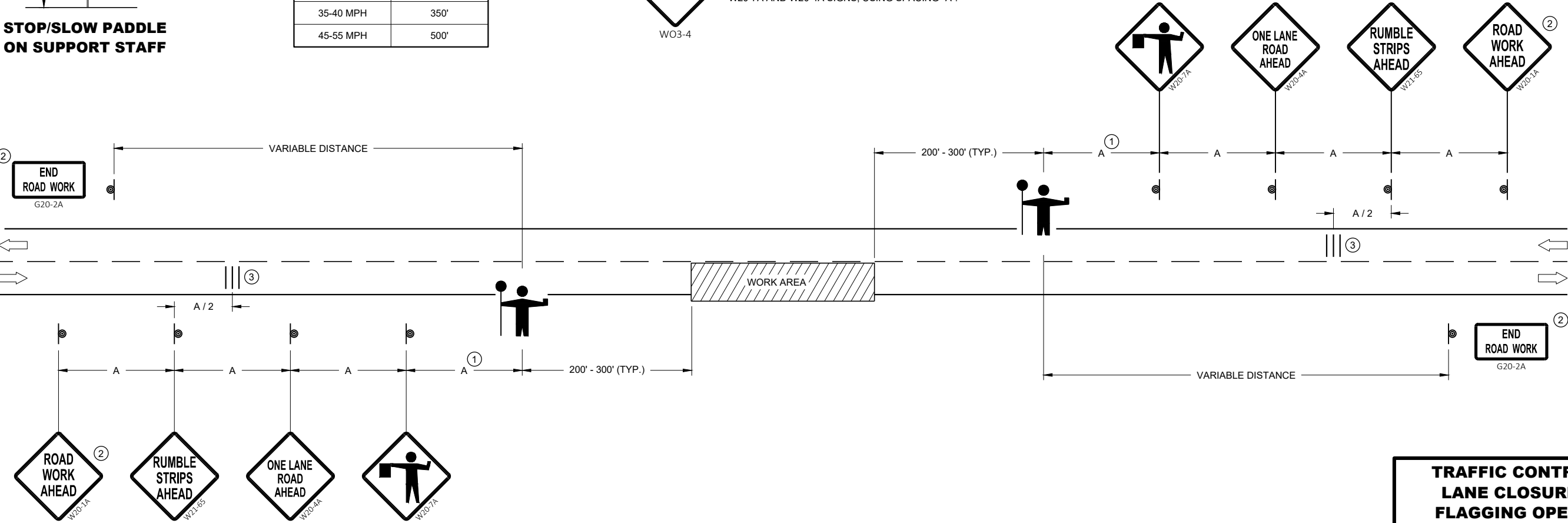


**SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE**

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".



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

GENERAL NOTES

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL CONE 42-INCH
-  TRAFFIC CONTROL DRUM
-  TEMPORARY PORTABLE RUMBLE STRIP ARRAY
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)

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

IF THE AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) STOPS WORKING, 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.

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.

- ① SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- ② IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

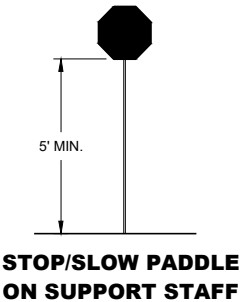
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

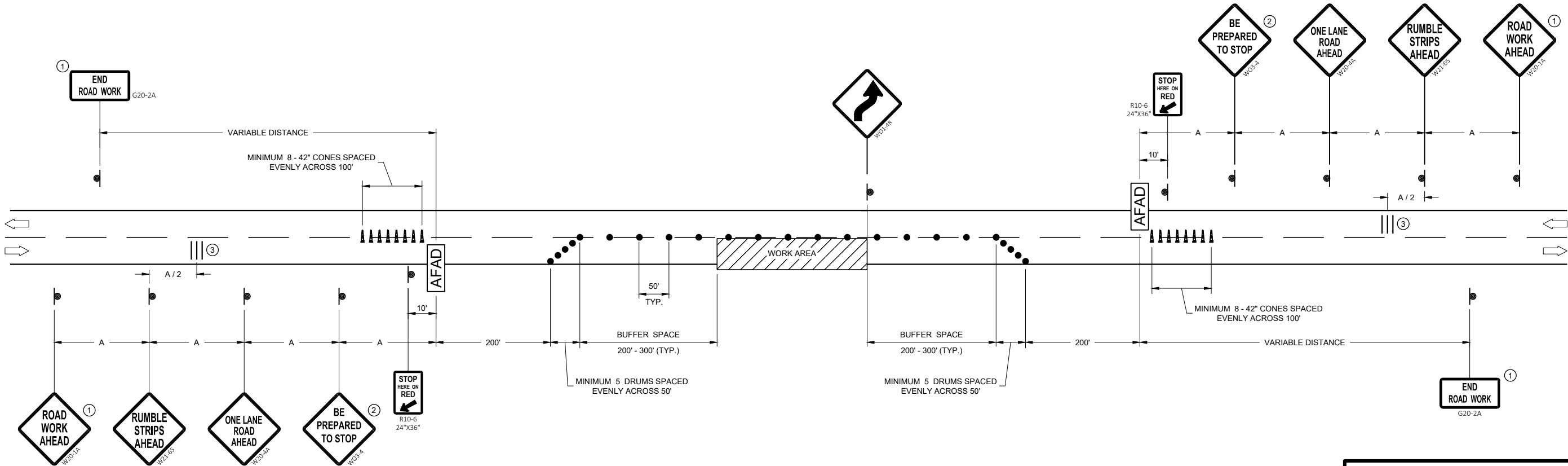
DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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



TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

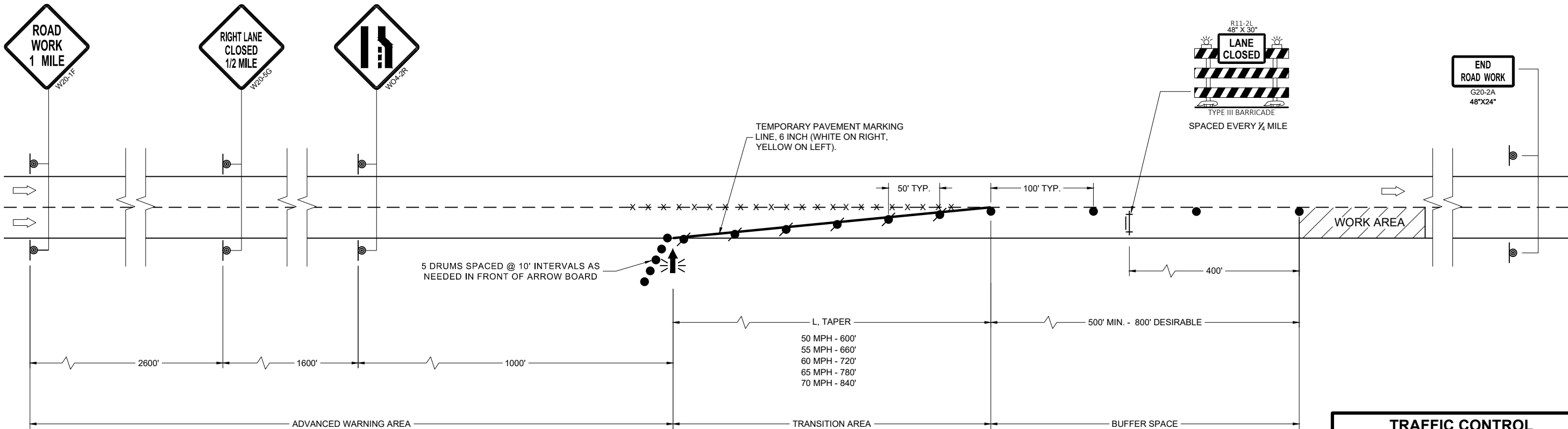
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

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

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



TRAFFIC CONTROL  
LANE CLOSURE

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
March 2024 /S/ Andrew Heidtke  
DATE Work Zone Engineer

FHWA

GENERAL NOTES

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

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

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

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

"WO" SIGNS ARE THE SAME AS "W" SIGNS 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.

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

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

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

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

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

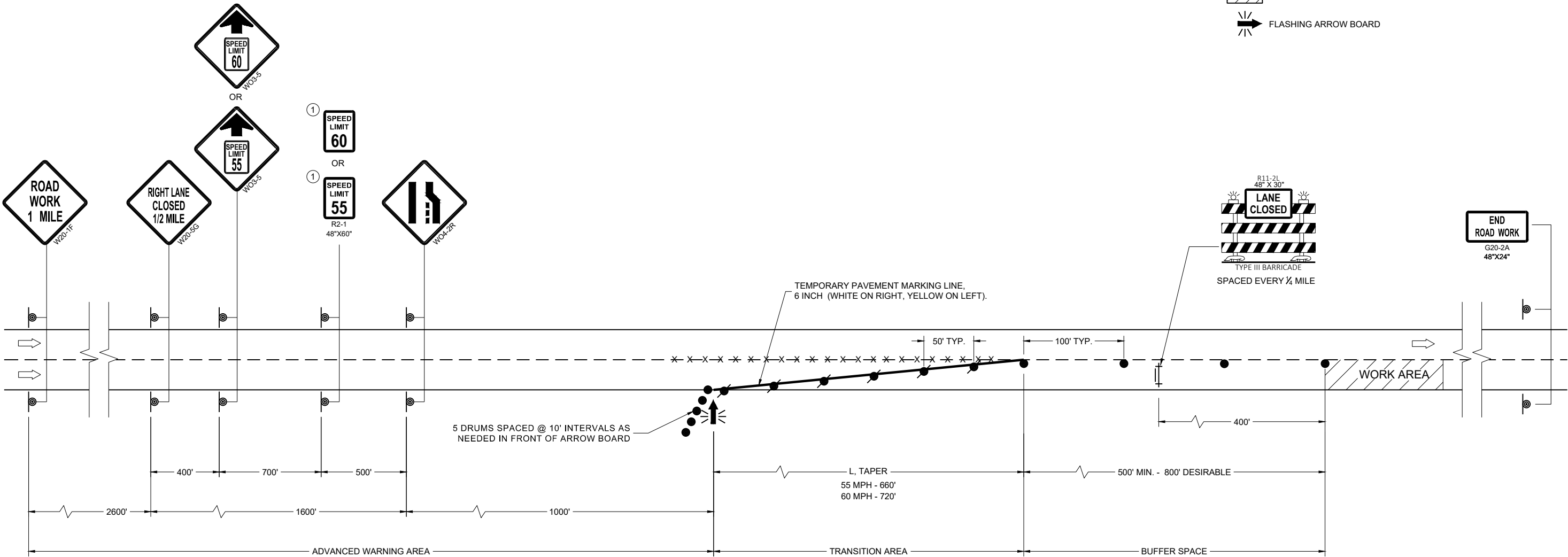
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE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

1 A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END OF ROADWORK" SIGN.

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

6



6

SDD 15D12-13b

TRAFFIC CONTROL,  
LANE CLOSURE,  
SPEED REDUCTION

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
March 2024  
DATE

/S/ Andrew Heidtke  
Work Zone Engineer

FHWA

SDD 15D12-13b

LEGEND

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

GENERAL NOTES

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

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"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.

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

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

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

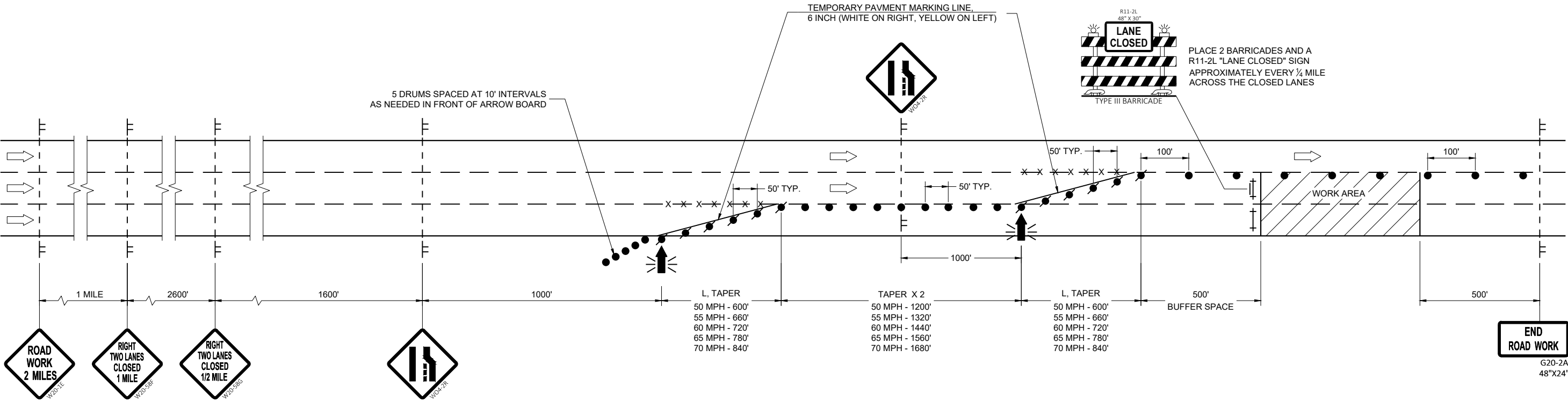
WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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.

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



TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED March 2024 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH 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.

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

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

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

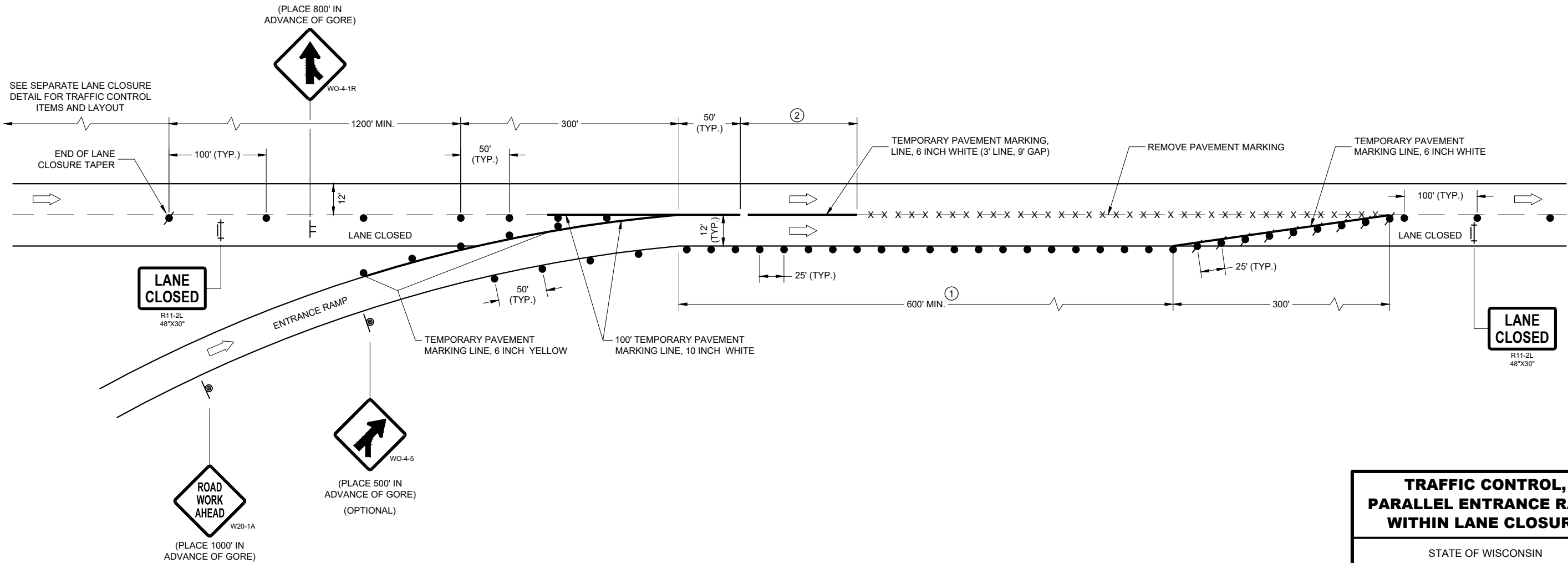
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.

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

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

- ① EXTEND THE LENGTH OF THE MERGE ARE IF THE ENTERING (DESIGN) SPEED IS LESS THAN 50MPH OR IF THE MAINLINE GRADE EXCEEDS ±2.2%.
- ② END TEMPORARY PAVEMENT MARKING LINE AT ½ THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.



**TRAFFIC CONTROL,  
PARALLEL ENTRANCE RAMP  
WITHIN LANE CLOSURE**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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

FHWA

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH 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.

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

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

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

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

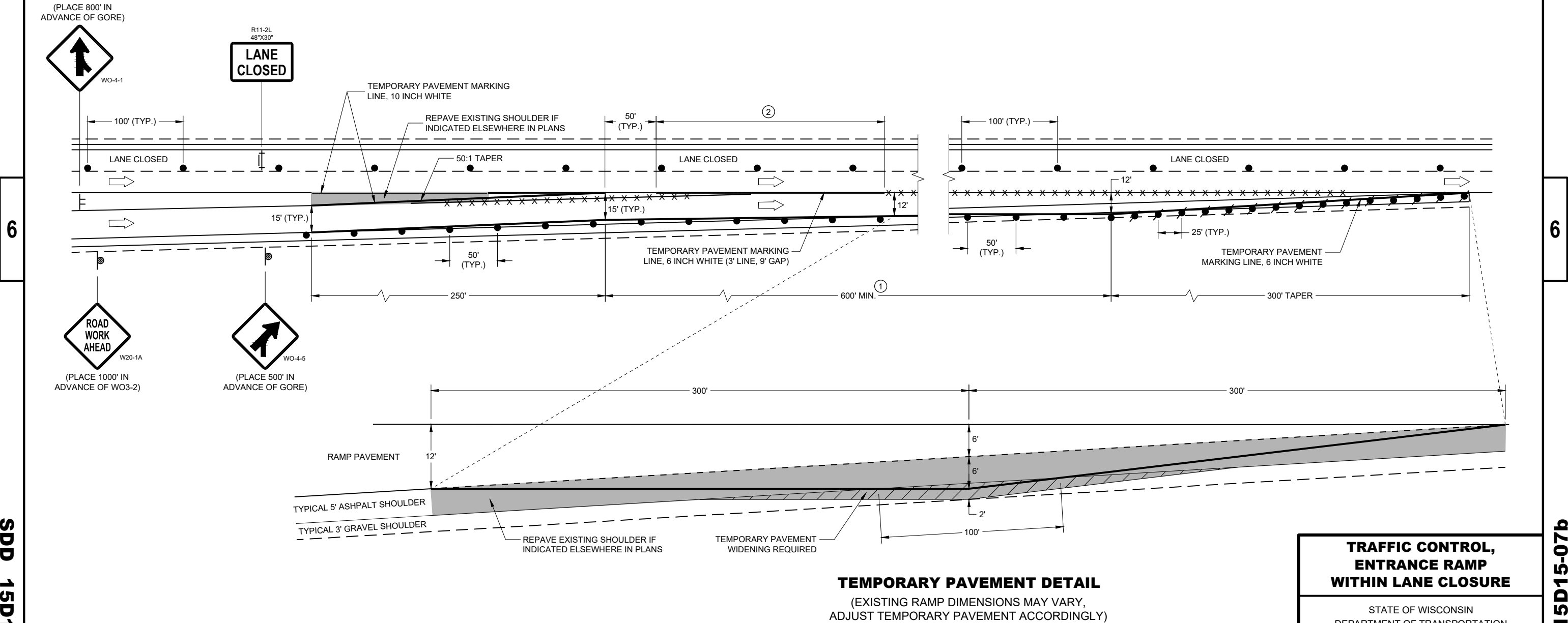
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS /OR DRUMS IN THE GORE BETWEEN THE EXIT RAMP AND MAINLINE TRAFFIC.

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.

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

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

- 1 EXTEND THE LENGTH OF THE MERGE AREA IF THE ENTERING (DESIGN) SPEED OF THE RAMP IS LESS THAN 50 MPH OR IF THE MAINLINE GRADE EXCEEDS ±2.2%.
- 2 END TEMPORARY PAVEMENT MARKING LINE AT ½ THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.



TRAFFIC CONTROL,  
ENTRANCE RAMP  
WITHIN LANE CLOSURE

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
May 2023  
DATE

/S/ Andrew Heidtke  
WORK ZONE ENGINEER

FHWA

SDD 15D15-07b

SDD 15D15-07b

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" X 16" MIN., ORANGE
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

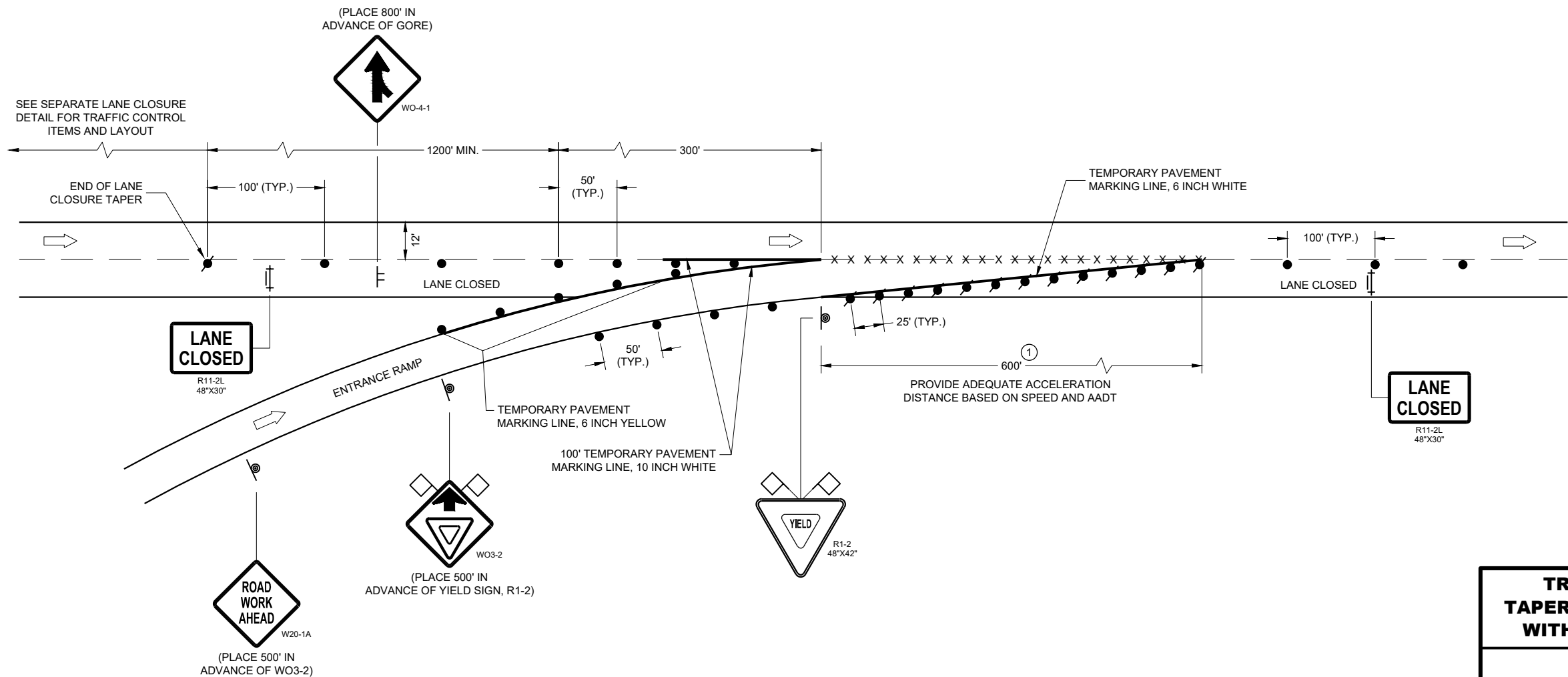
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.

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






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

1 CONSULT WITH REGIONAL WORK ZONE ENGINEER IF NEED TO REDUCE LENGTH EXISTS.



TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2023 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  SIGN ON TEMPORARY SUPPORT
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
-  TYPE III BARRICADE WITH ATTACHED SIGN
-  FLAGS, 16" X 16" MIN., ORANGE
-  DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH 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.

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

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

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

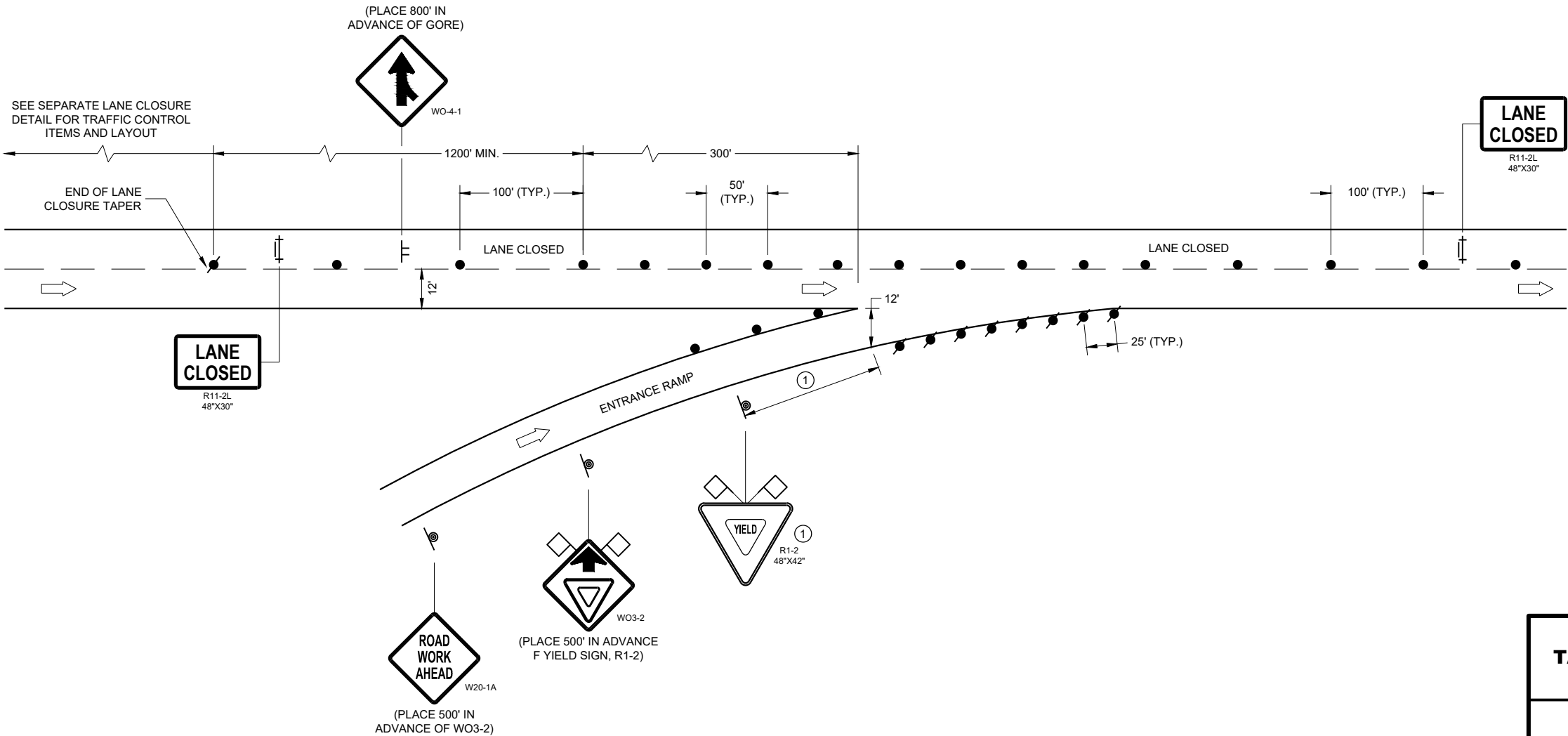
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.








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

- ① PLACE YIELD SIGN TO PROVIDE ADEQUATE SIGHT DISTANCE AND ACCELERATION DISTANCE.



TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2023 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  SIGN ON TEMPORARY SUPPORT
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
-  REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
-  TYPE III BARRICADE WITH ATTACHED SIGN
-  DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH 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.

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

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

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

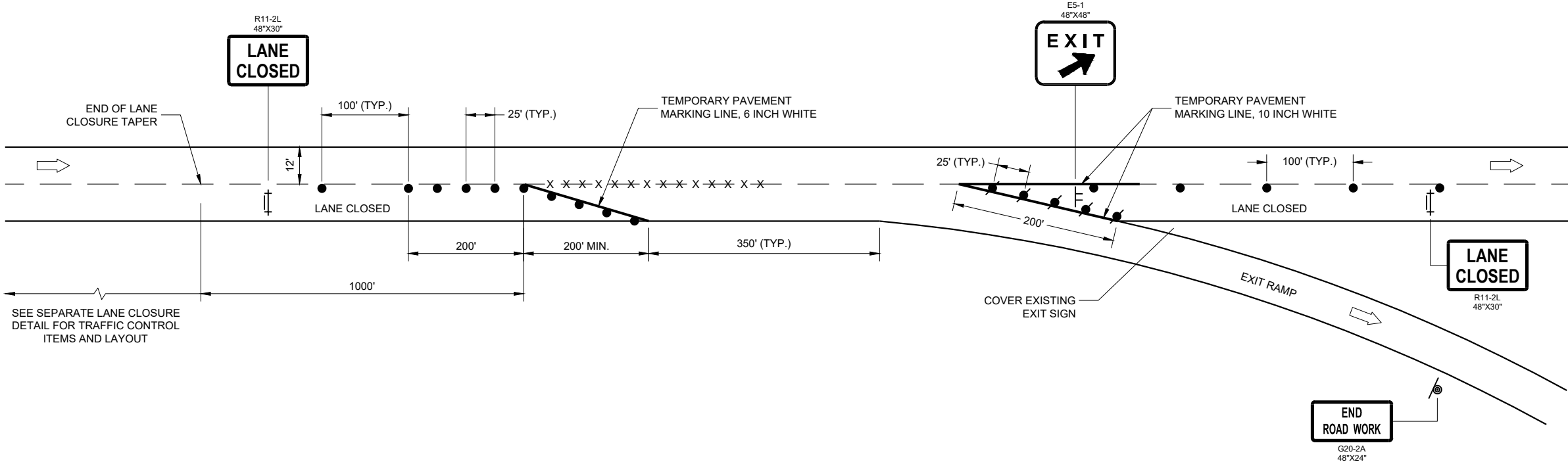
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE EXIT RAMP AND MAINLINE TRAFFIC.

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.

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

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

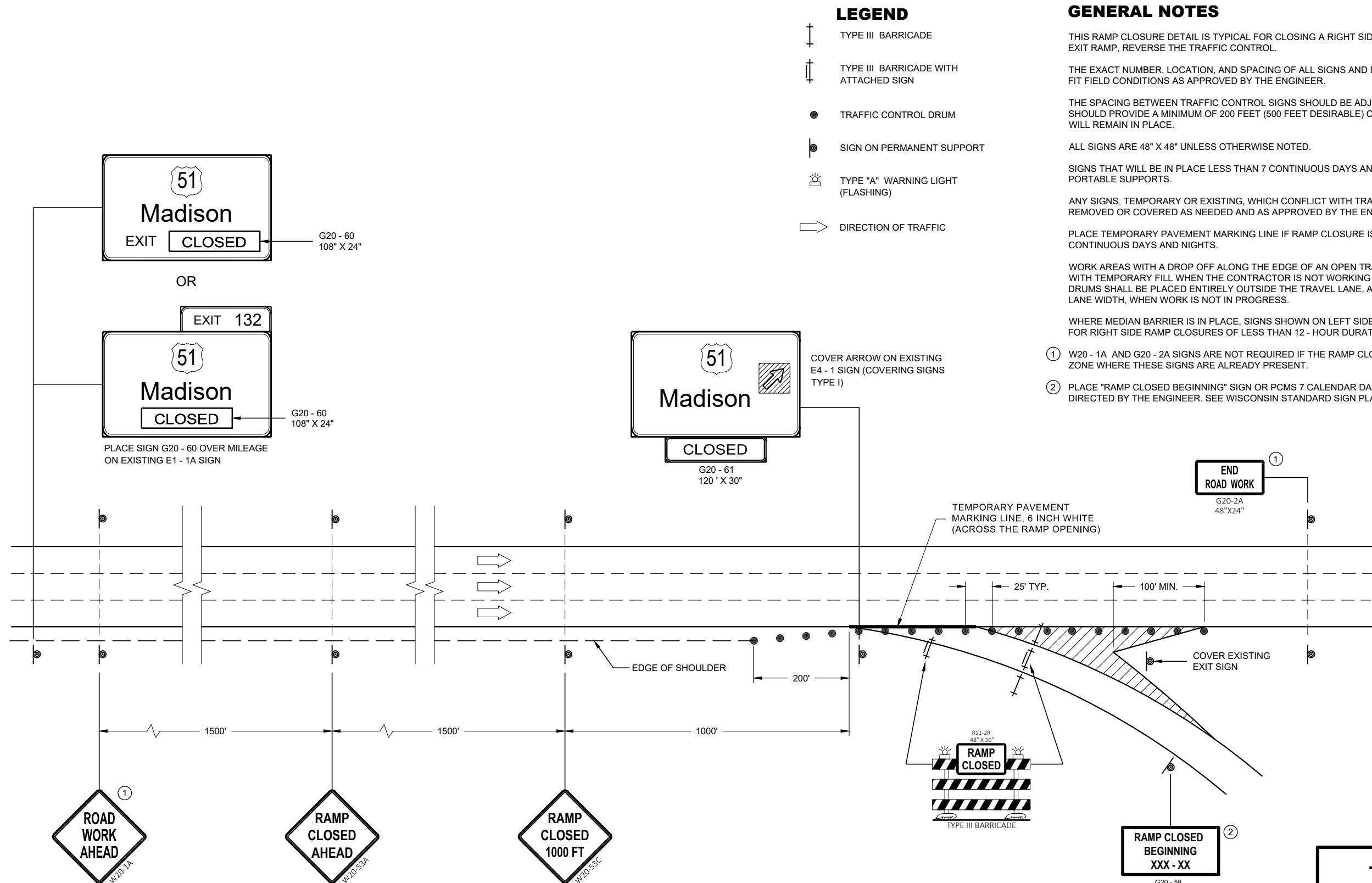


TRAFFIC CONTROL,  
PARALLEL EXIT RAMP  
WITHIN LANE CLOSURE

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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

FHWA



TRAFFIC CONTROL,  
EXIT RAMP CLOSURE

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
May 2023  
DATE

/S/ Andrew Heidtke  
ROADWAY STANDARDS DEVELOPMENT  
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)
- REMOVING PAVEMENT MARKINGS
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- 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.

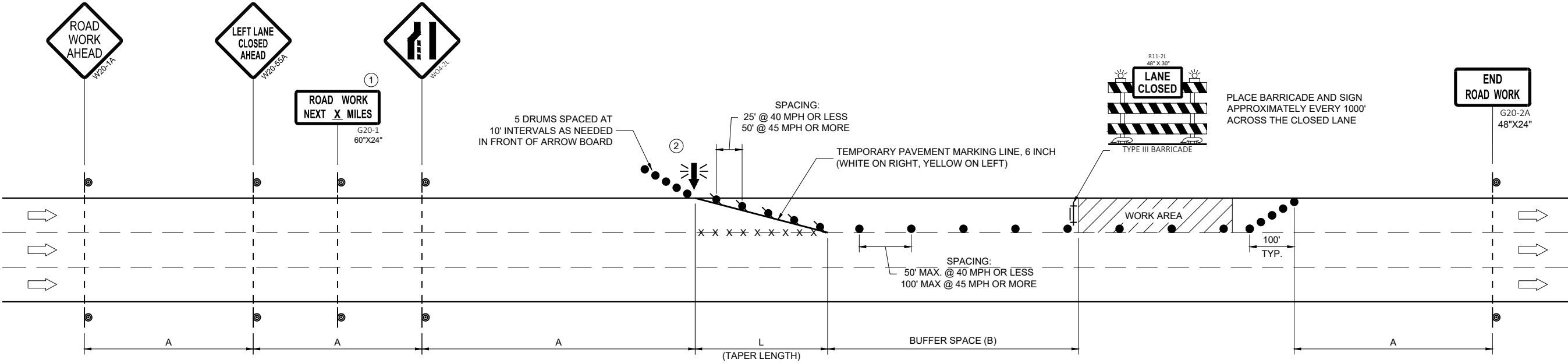
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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  
March 2024 /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)
-  REMOVING PAVEMENT MARKINGS
-  FLASHING ARROW BOARD
-  DIRECTION OF TRAFFIC
-  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.

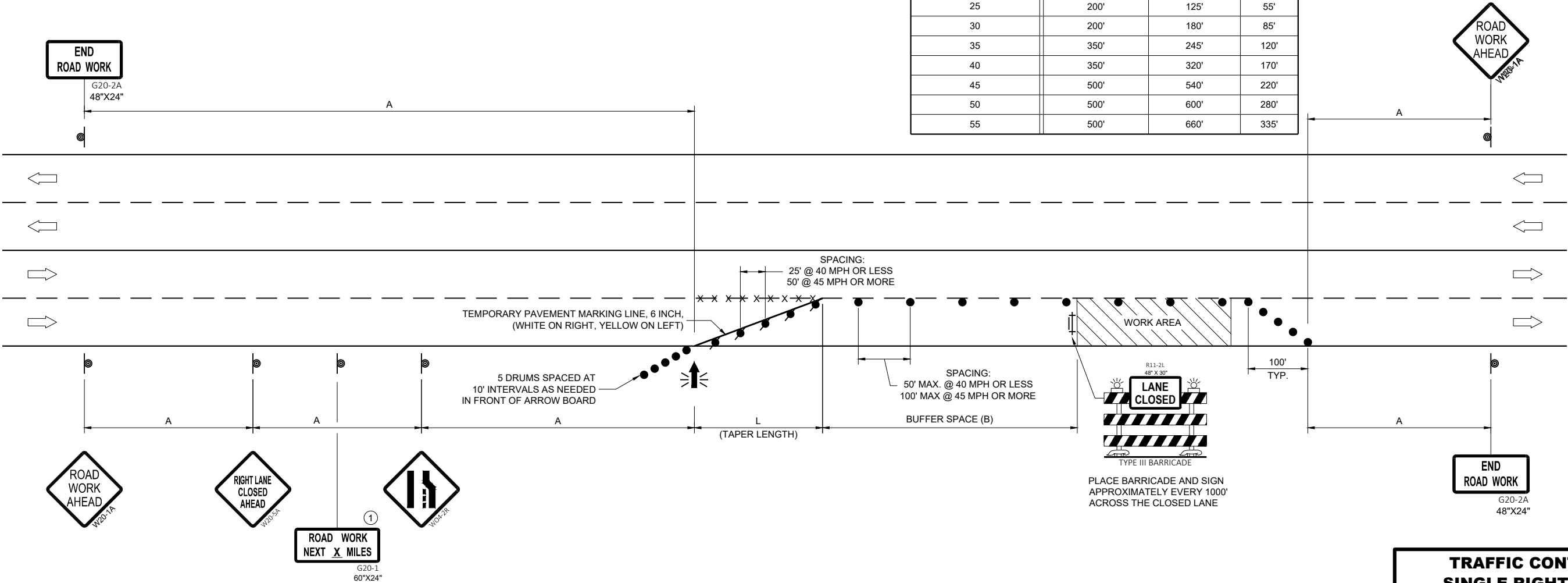
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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.

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'

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



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

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
March 2024 /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)
- REMOVING PAVEMENT MARKINGS
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

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

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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.

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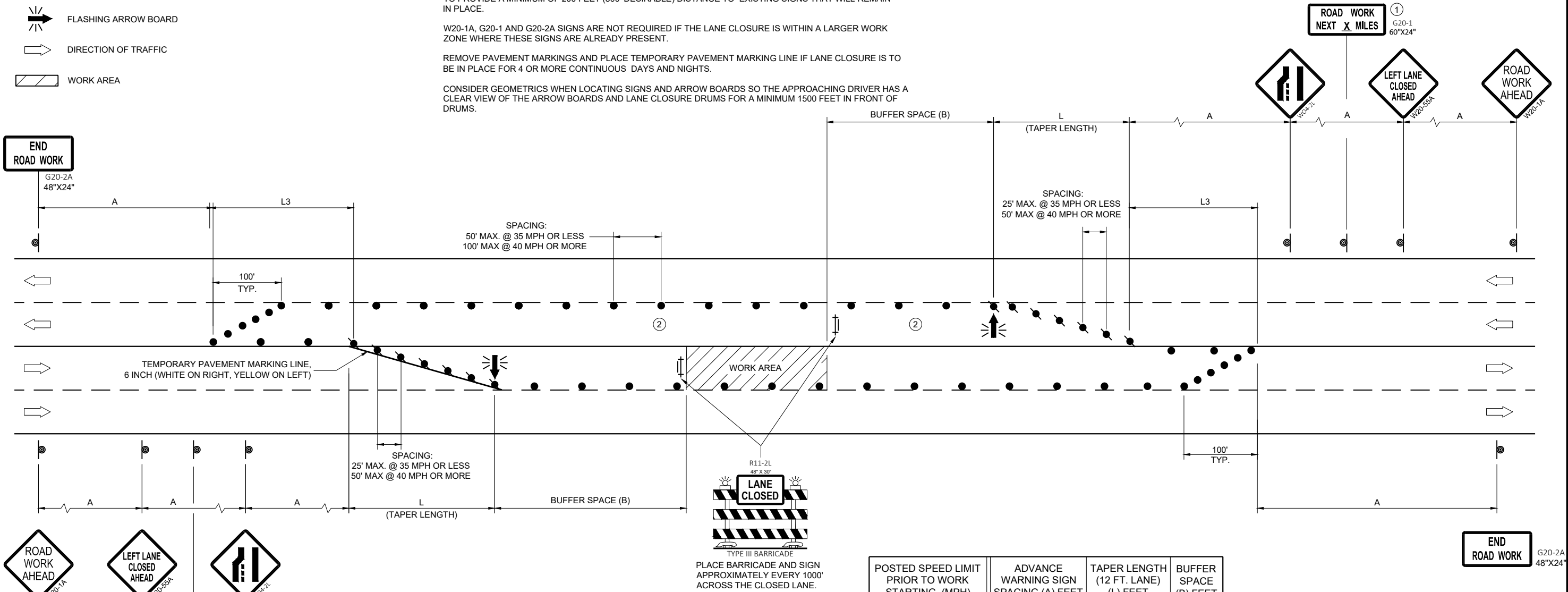
DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

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.

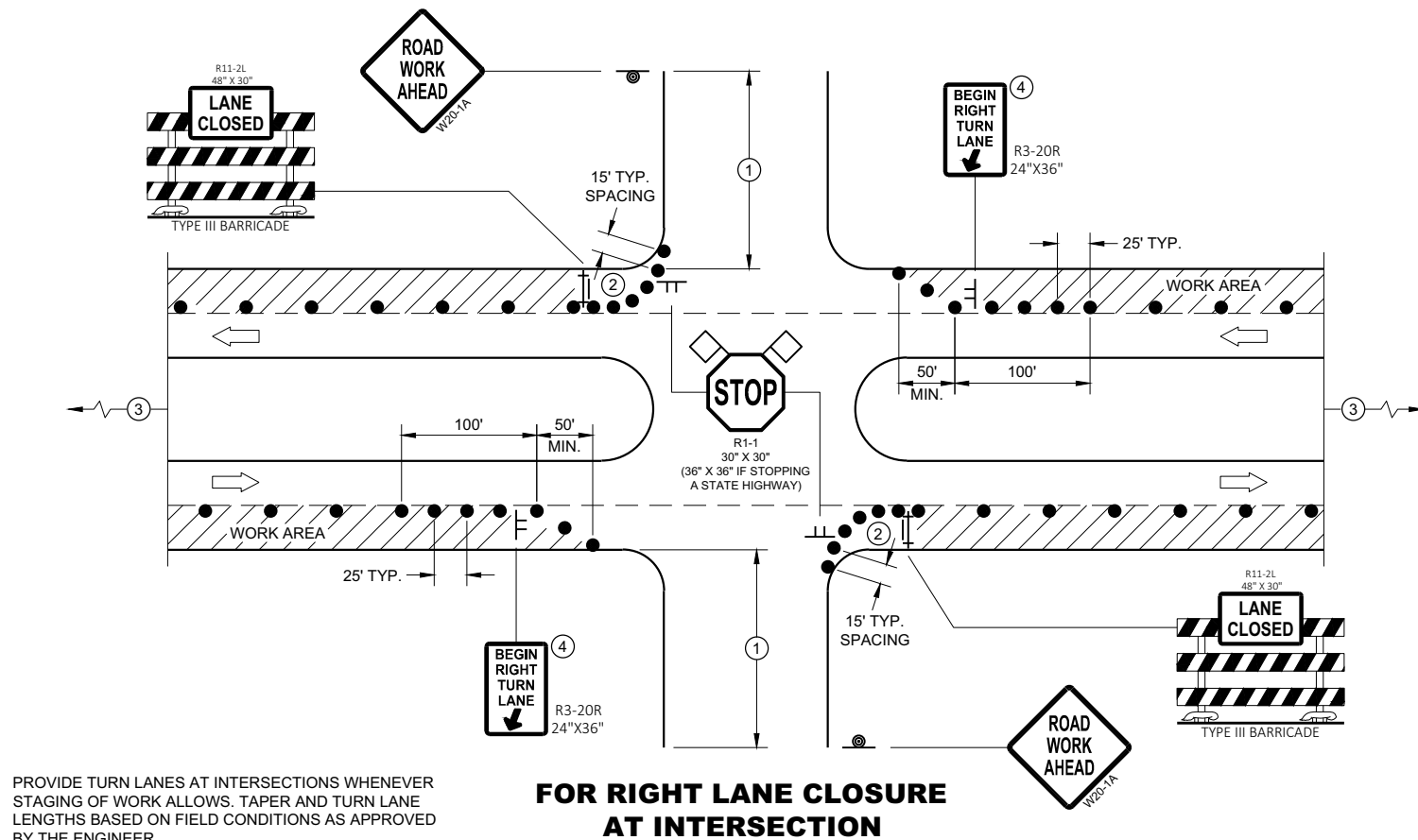


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**TRAFFIC CONTROL,  
SINGLE LEFT LANE  
CLOSURE, UNDIVIDED  
NON-FREEWAY/EXPRESSWAY**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
March 2024 /S/ Andrew Heidtke  
DATE WORK ZONE ENGINEER  
FHWA



## GENERAL NOTES

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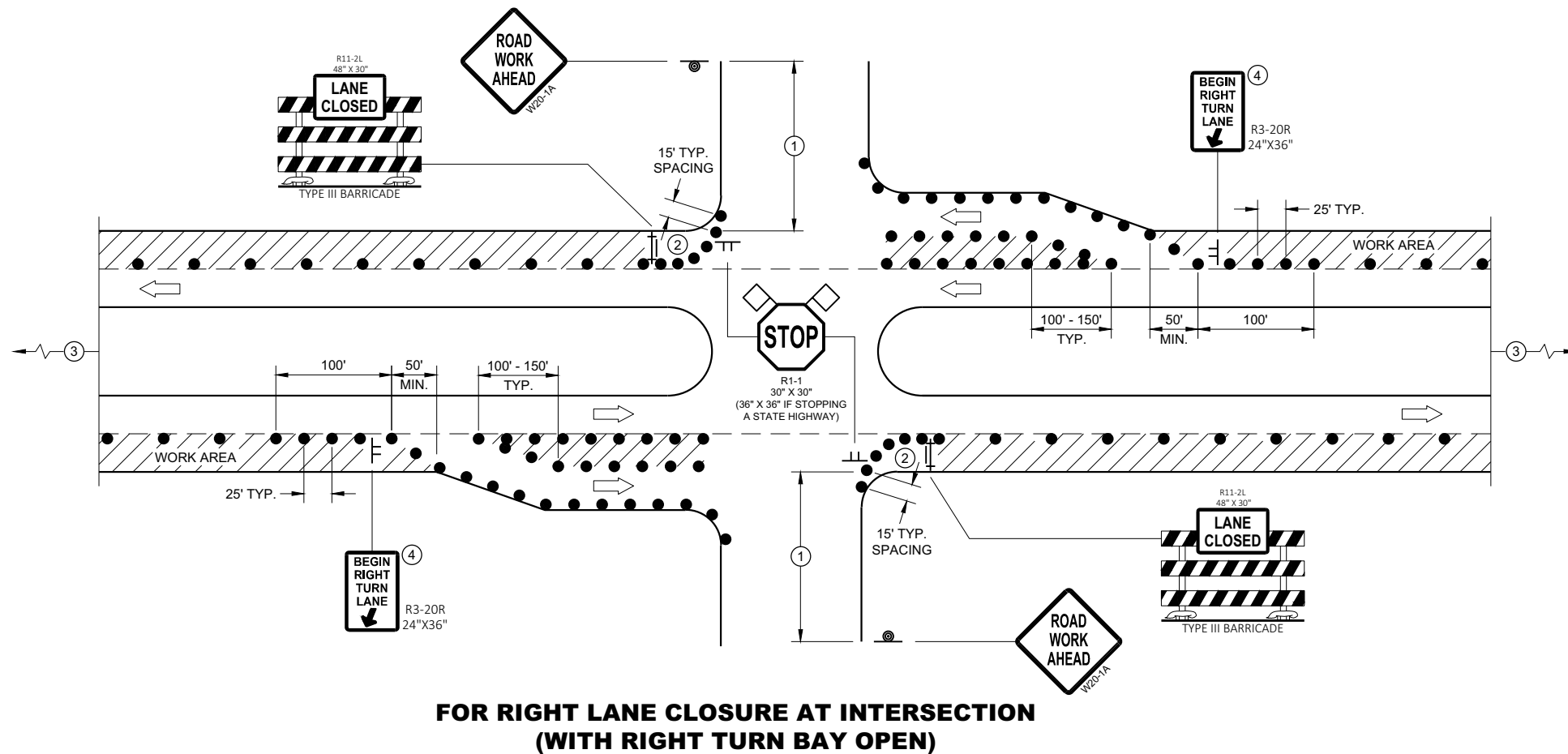
SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

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

- ① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.  
350' IF 35 - 40 MPH.  
200' IF 25 - 30 MPH.
- ② ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS
- ③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.
- ④ MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

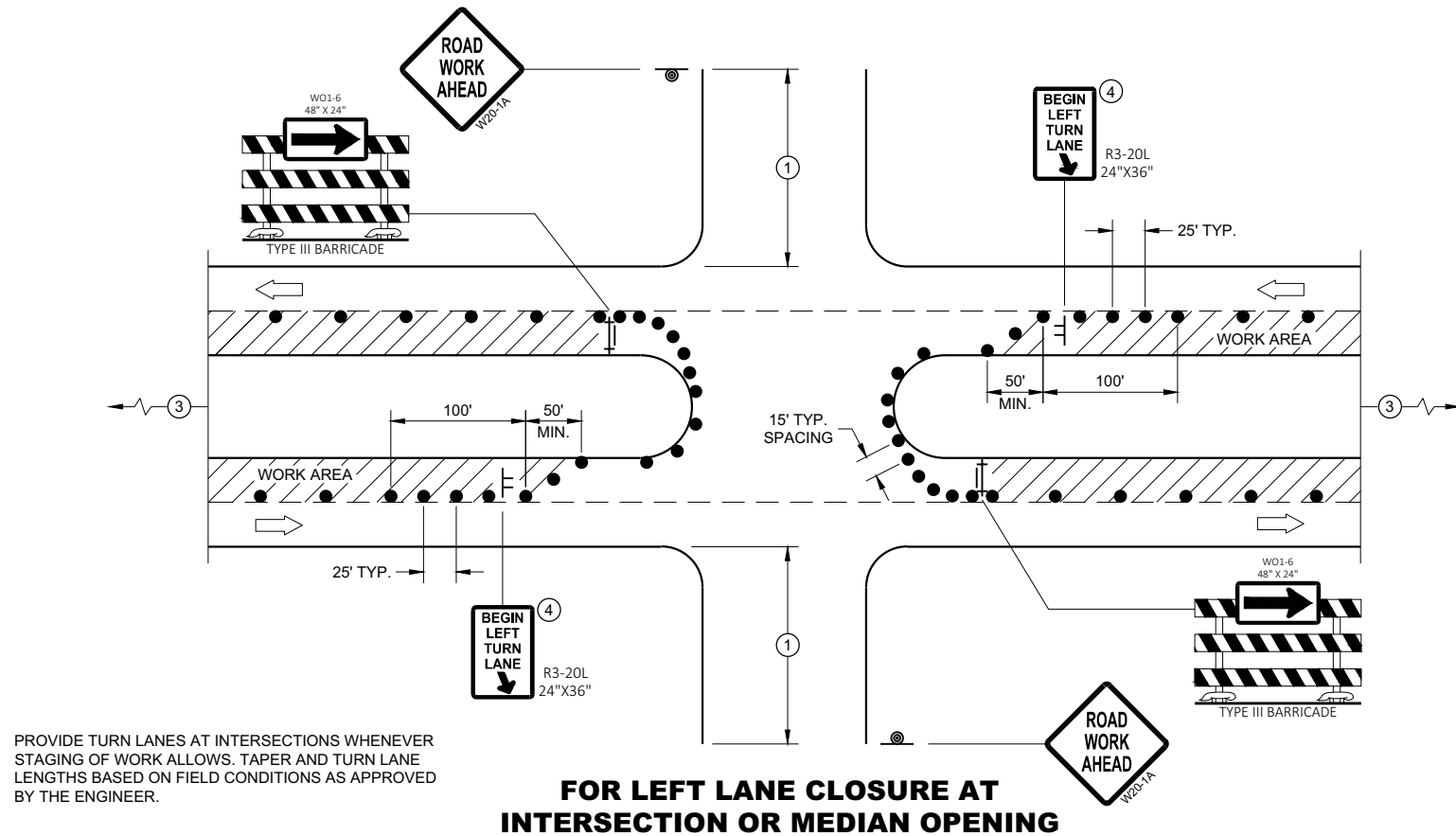


## LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

**TRAFFIC CONTROL,  
INTERSECTION WITHIN SINGLE  
RIGHT LANE CLOSURE**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

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**LEGEND**

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

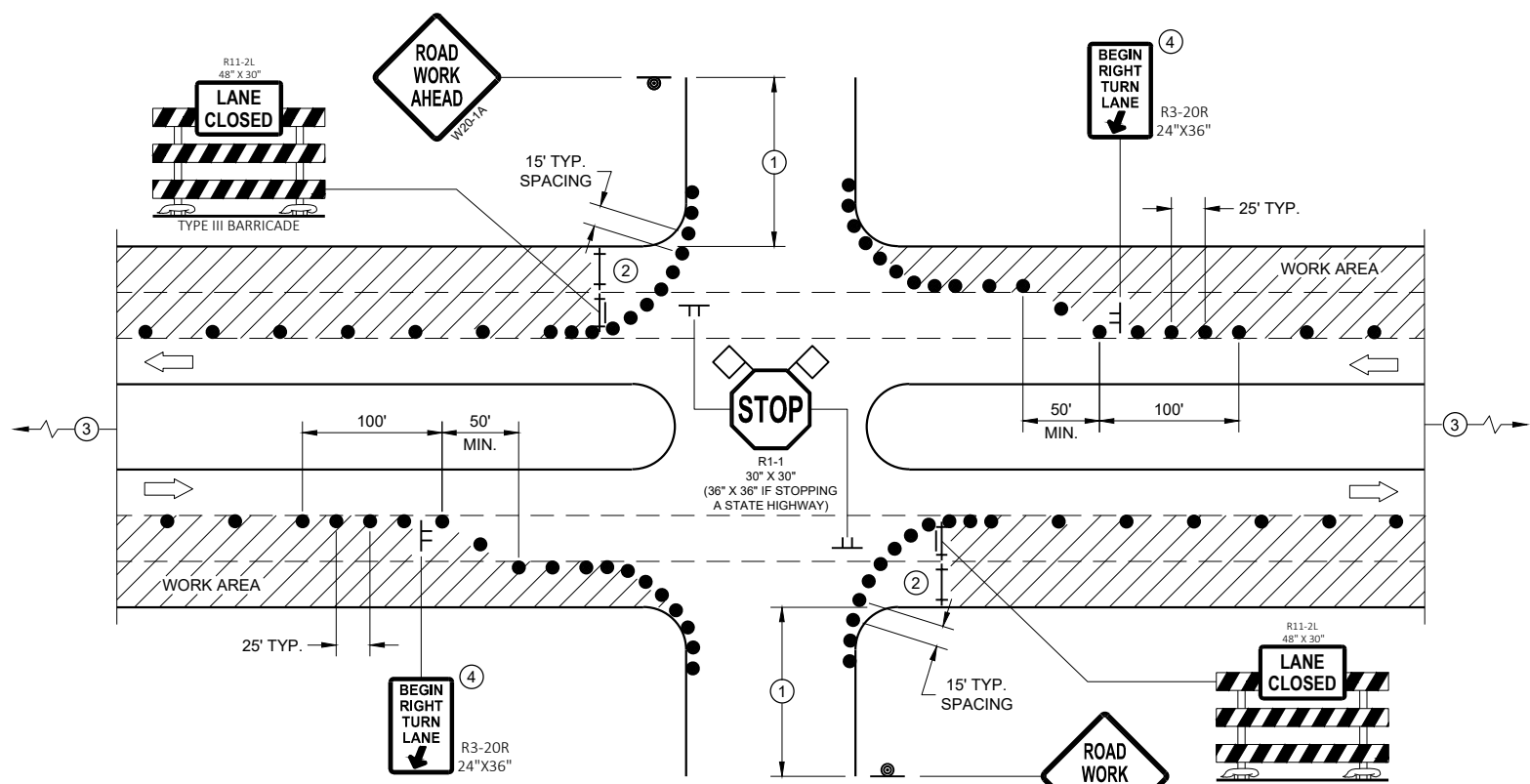
**FOR LEFT LANE CLOSURE AT INTERSECTION  
OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)**

**TRAFFIC CONTROL,  
INTERSECTION WITHIN SINGLE  
LEFT LANE CLOSURE**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

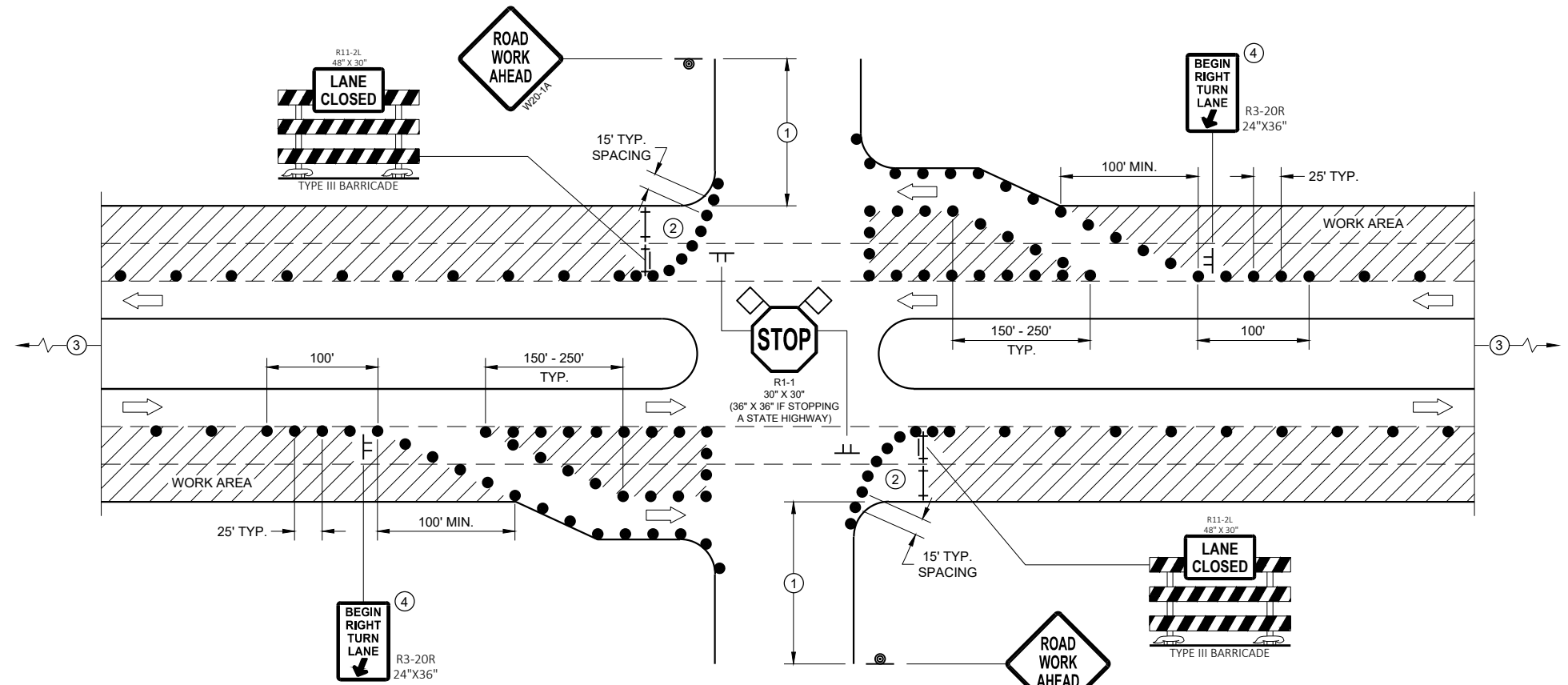
APPROVED  
August 2020  
DATE  
/S/ Andrew Heidtke  
WORK ZONE ENGINEER

FHWA



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

**FOR RIGHT TWO LANES CLOSED AT INTERSECTION**



**FOR RIGHT TWO LANES CLOSED AT INTERSECTION (WITH RIGHT TURN BAY OPEN)**

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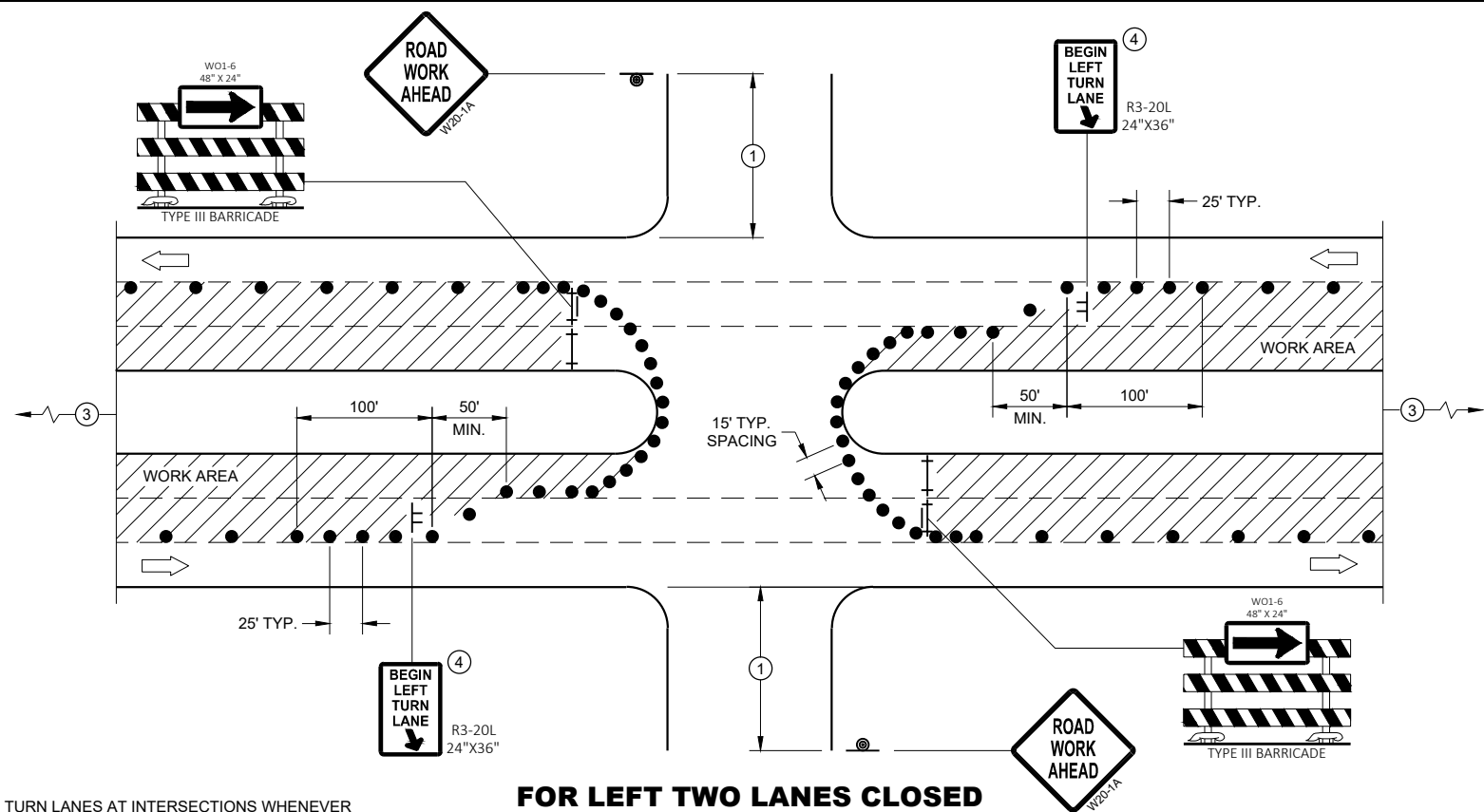
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**LEGEND**

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

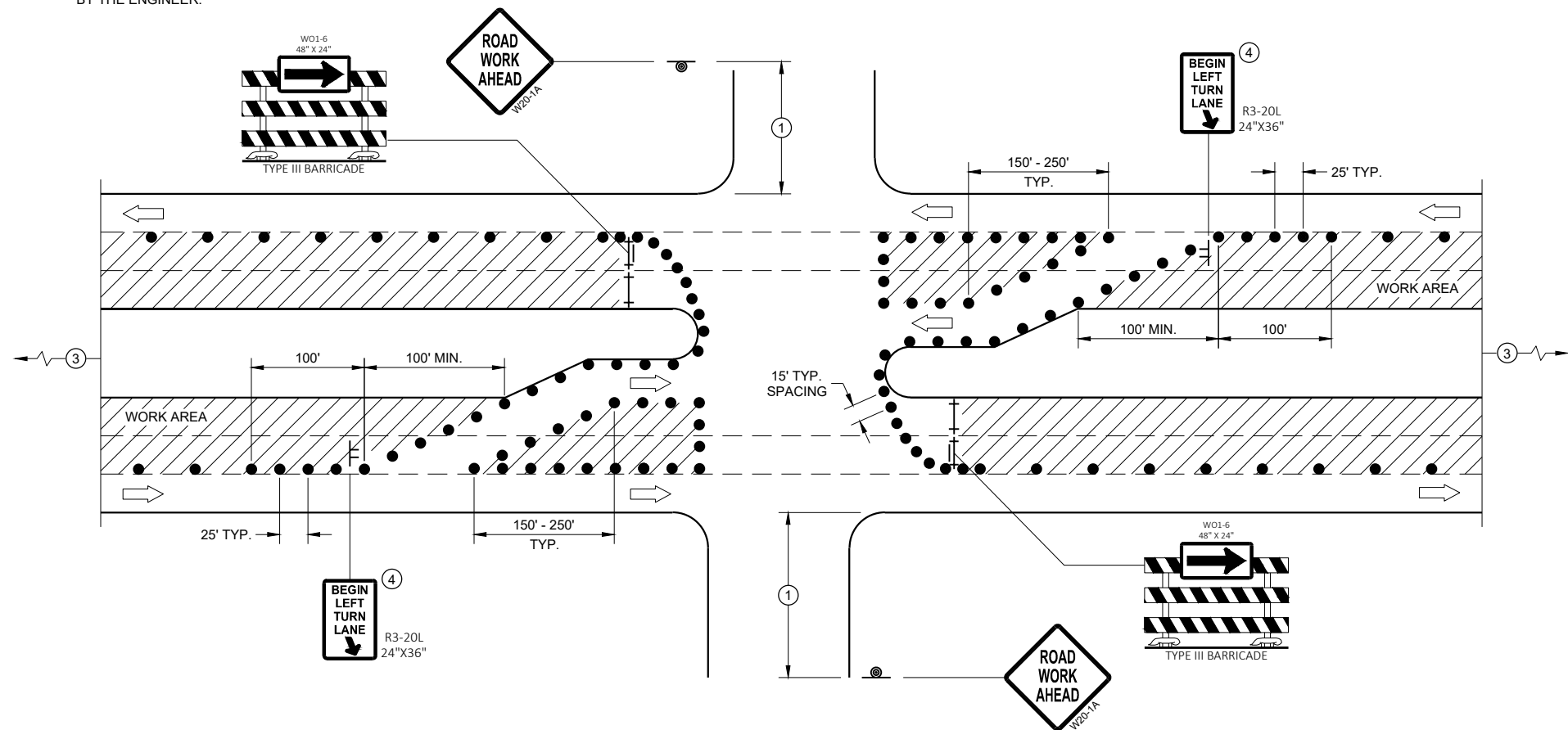
**TRAFFIC CONTROL,  
INTERSECTION WITHIN  
TWO RIGHT LANE CLOSURE**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

### FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK



### FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK (WITH LEFT TURN BAY OPEN)

## GENERAL NOTES

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350' IF 35 - 40 MPH.  
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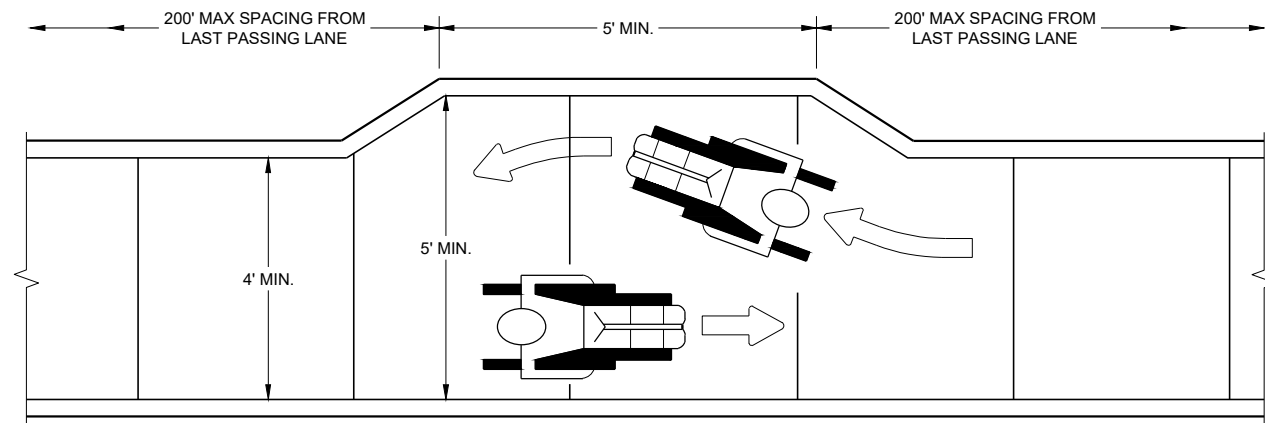
## LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

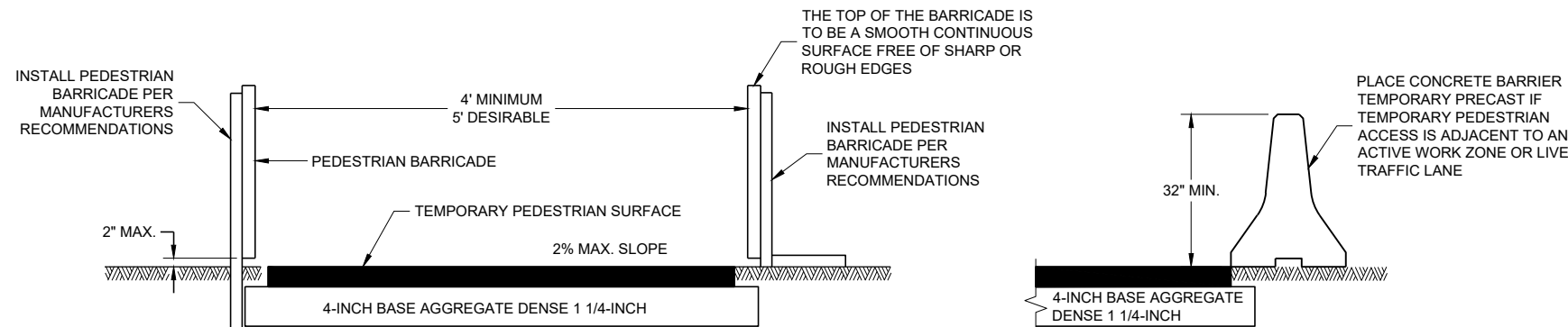
## TRAFFIC CONTROL, INTERSECTION WITHIN TWO LEFT LANE CLOSURE

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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



**NARROW SIDEWALK PASSING DETAIL**



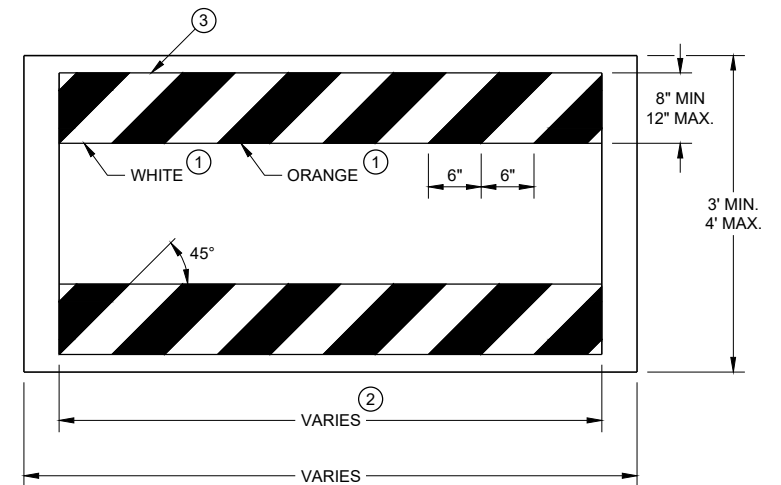
**TEMPORARY PEDESTRIAN ACCESS**

**GENERAL NOTES**

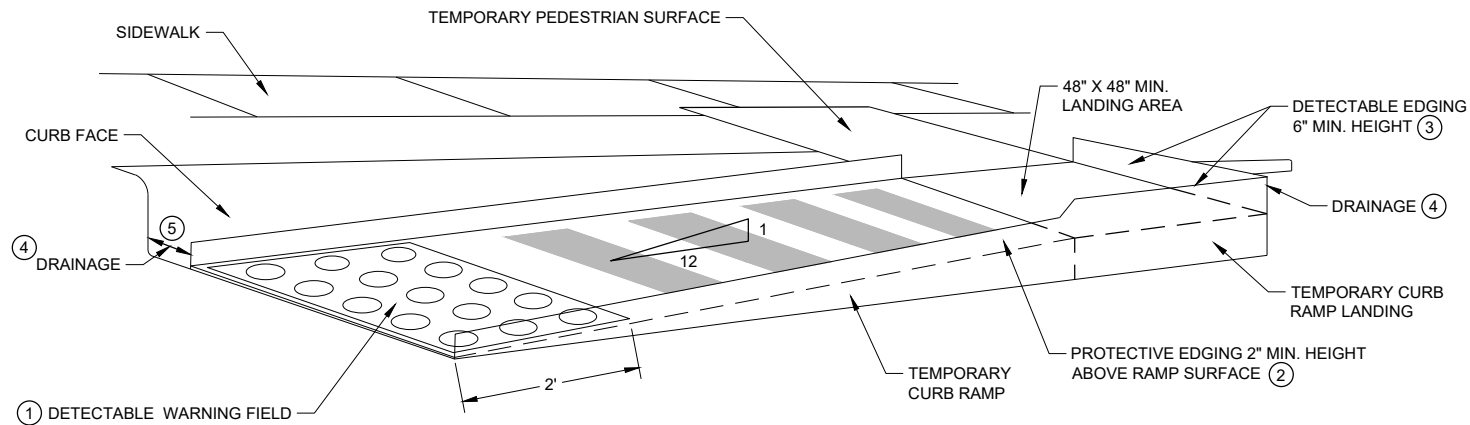
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

- ① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- ② SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
- ③ PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

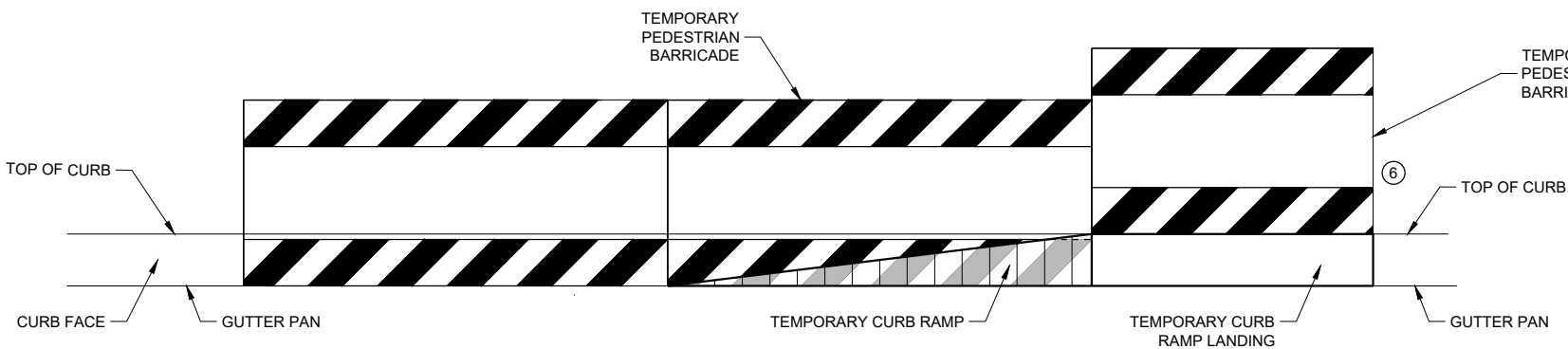
★ USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



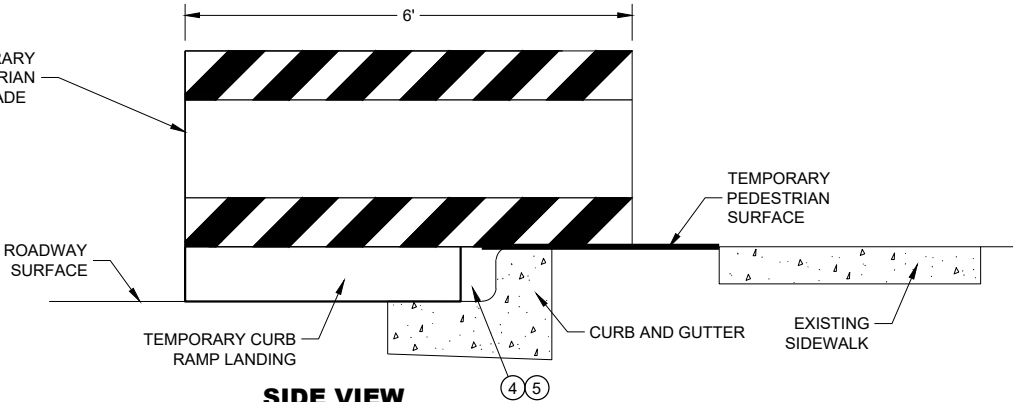
**TEMPORARY PEDESTRIAN BARRICADE<sup>★</sup>**



PERSPECTIVE VIEW



FRONT VIEW



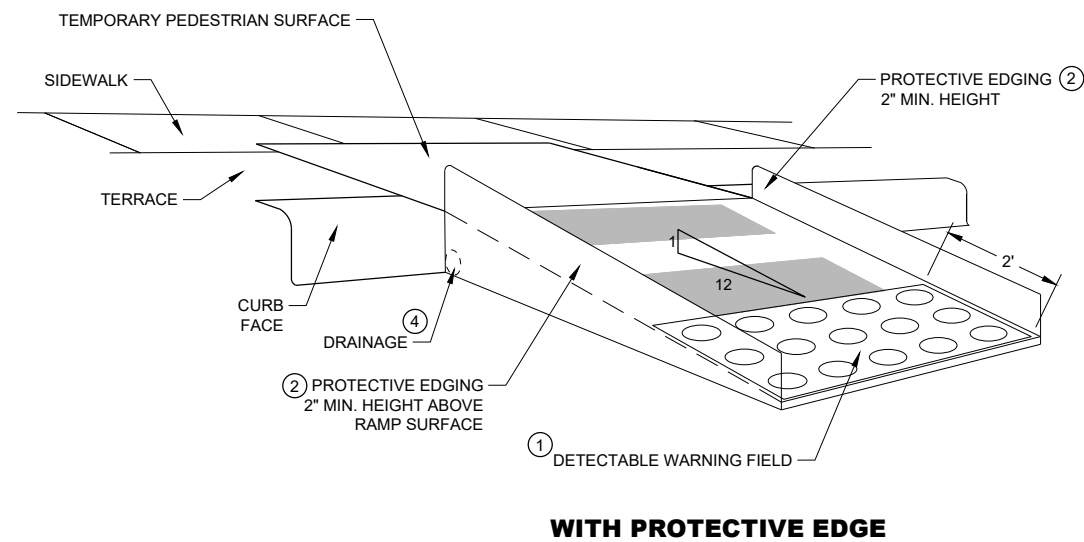
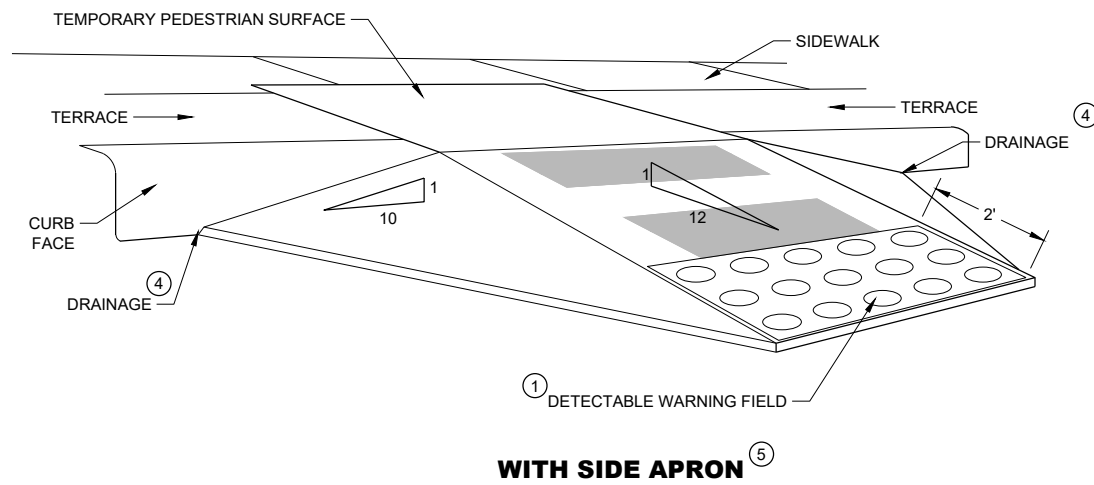
SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

- CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.
- CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
- CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.
- CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES MAY BE VERTICAL UP TO 1/4" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

- ① INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.
- ② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
- ③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- ④ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
- ⑤ ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.
- ⑥ IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.

**TEMPORARY CURB RAMP PERPENDICULAR TO CURB****GENERAL NOTES**

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

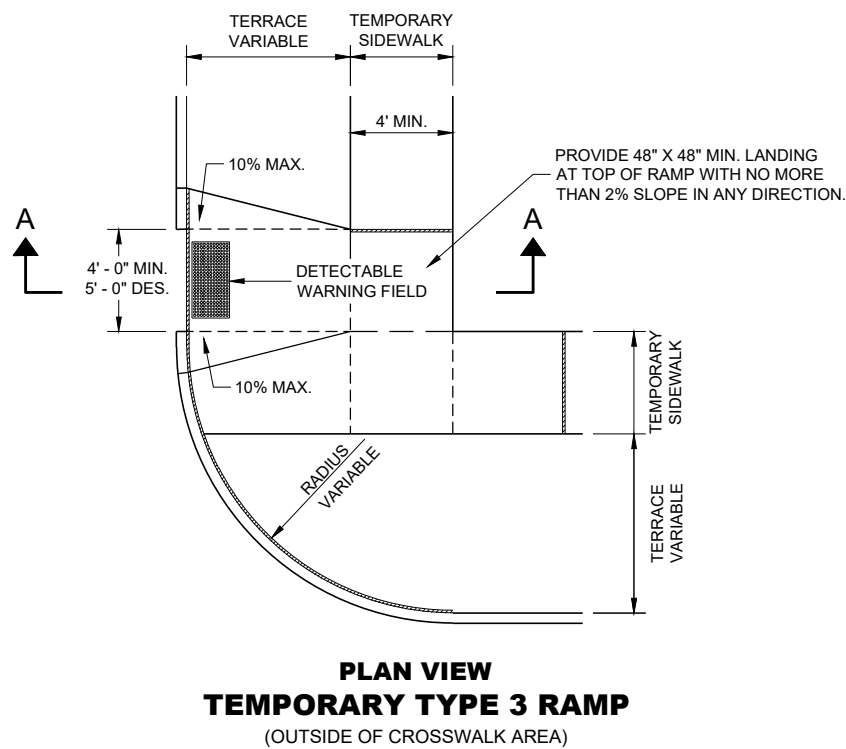
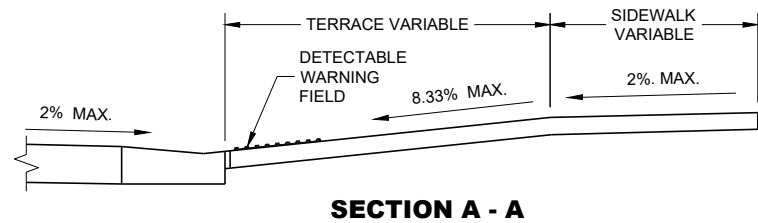
LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

- ① INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS
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- ③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- ④ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
- ⑤ CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

**TRAFFIC CONTROL,  
PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

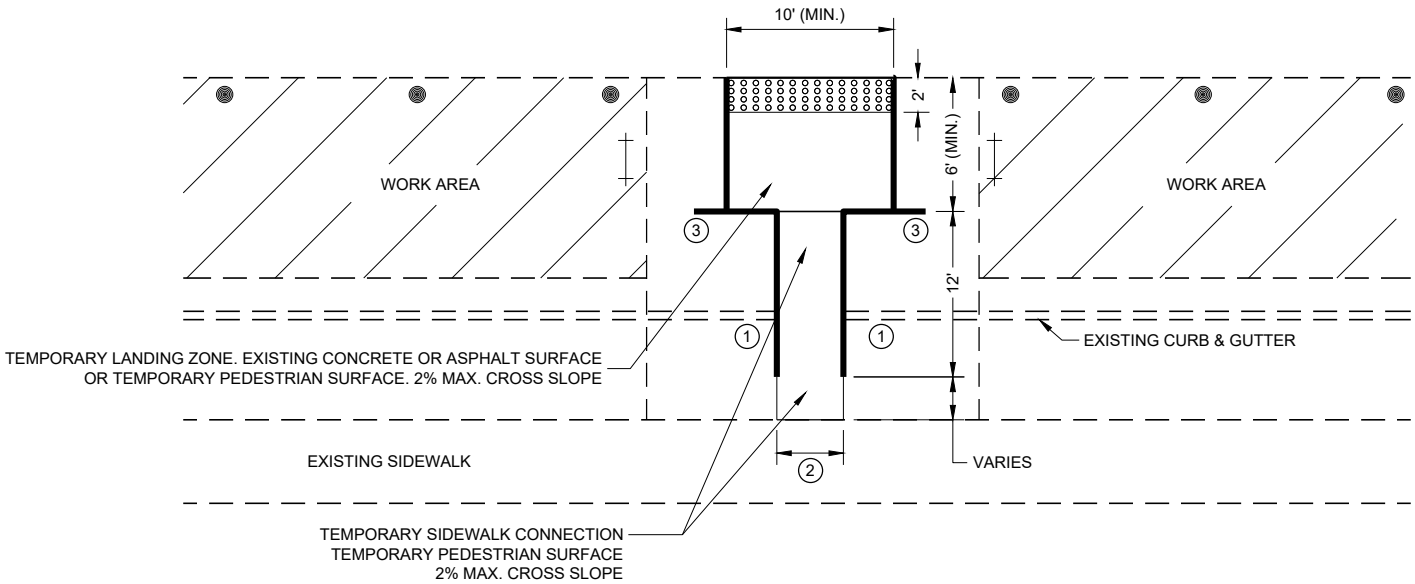
- BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST
- ① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
  - ② SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
  - ③ PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.
- ★ USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL,  
PEDESTRIAN ACCOMMODATION

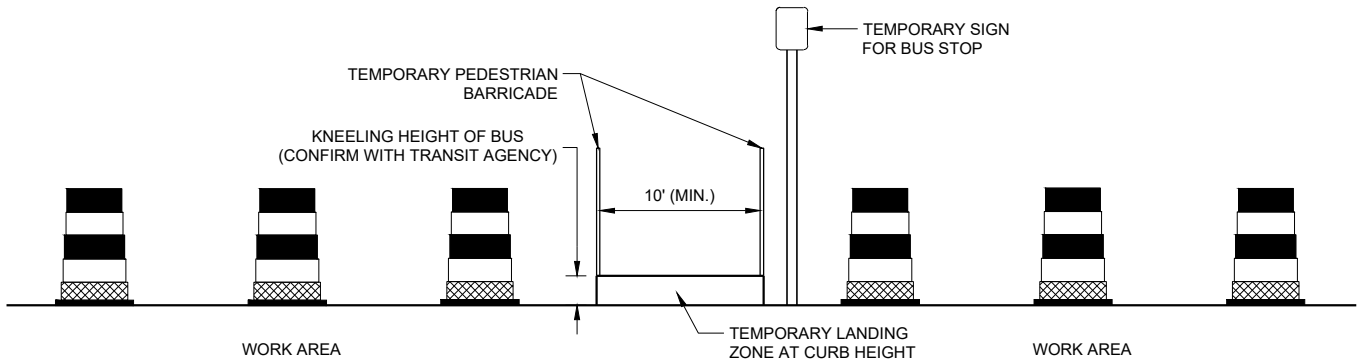
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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

FHWA



PLAN VIEW



PROFILE VIEW  
TEMPORARY BUS STOP PAD

GENERAL NOTES

- TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.
- NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.
- PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
- DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
- CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".
- CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

- ① DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
- ② 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.
- ③ PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- ⊢ TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- ⊞ TEMPORARY DETECTABLE WARNING FIELD
- ▨ WORK AREA

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

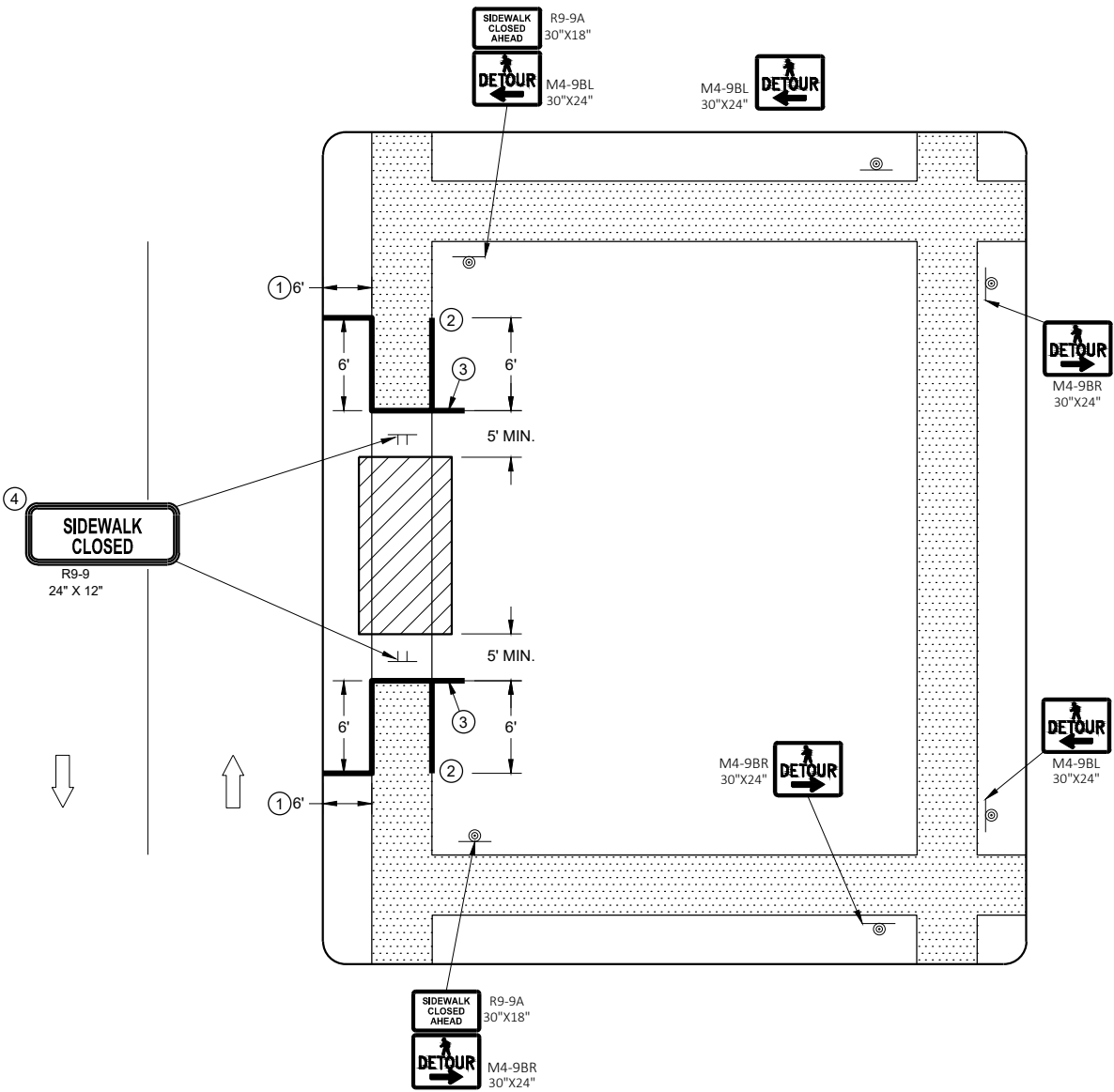
SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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








PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

- 1 IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
- 2 PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
- 3 IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
- 4 MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

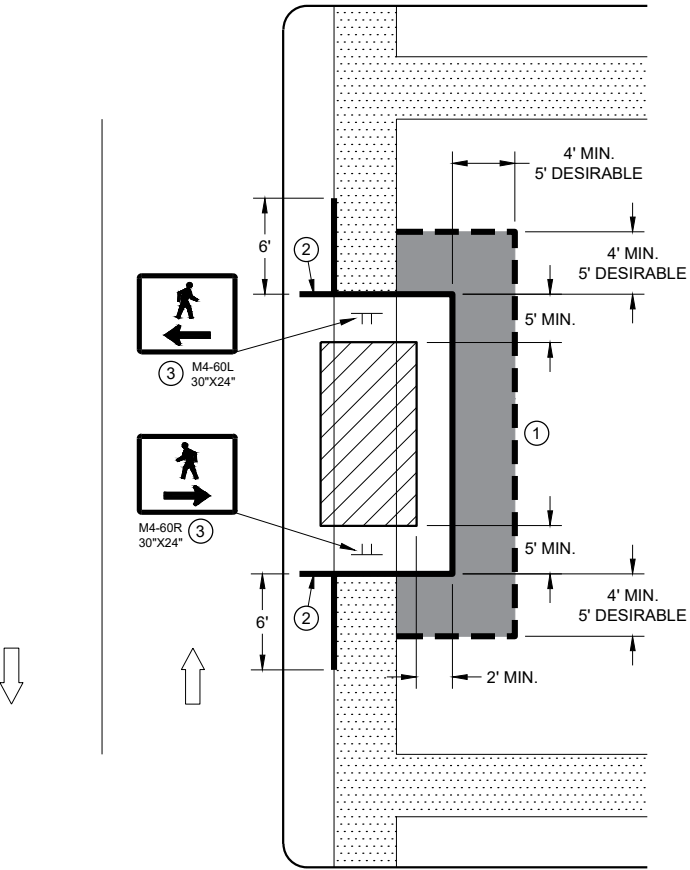
GENERAL NOTES

- TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.
- SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.
- WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.
- SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
- ①

USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
- ②

IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
- ③

MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



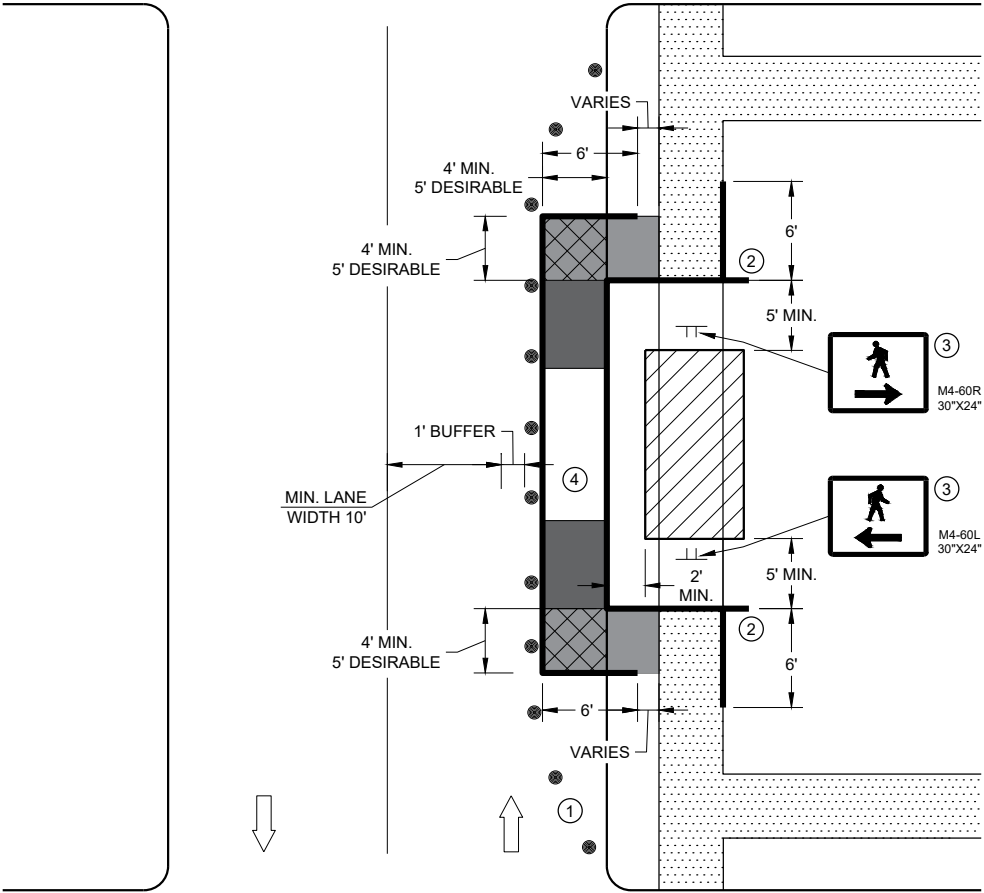
SIDEWALK DIVERSION  
SINGLE SIDE

LEGEND

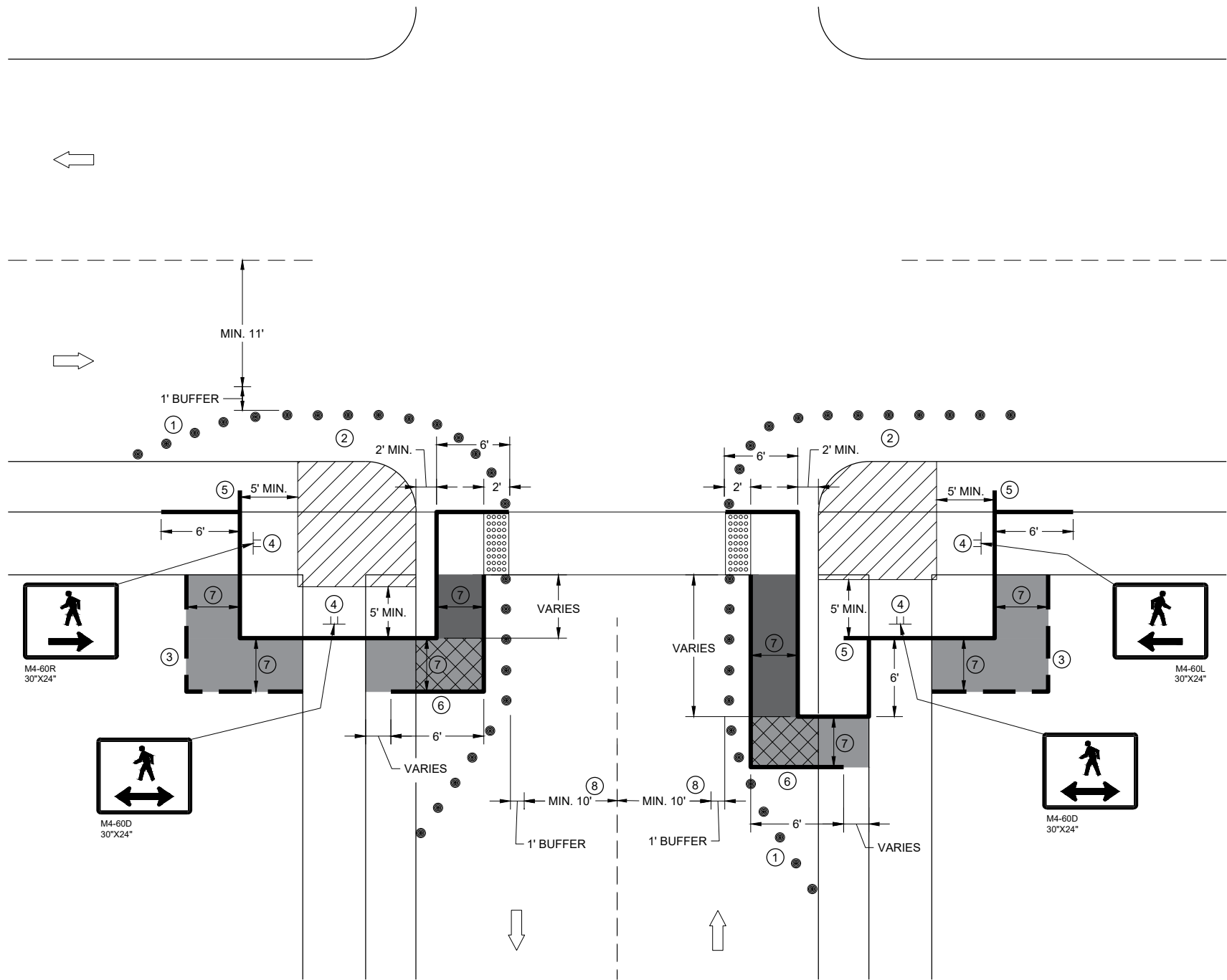
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

- TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.
- SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.
- WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.
- ① SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.
  - ② PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.
  - ③ MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.
  - ④ USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.



SIDEWALK DIVERSION, SINGLE SIDE



**CURB RAMP PEDESTRIAN TRAFFIC CONTROL  
SIDEWALK ON SINGLE SIDE**

**GENERAL NOTES**

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

- ① SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
- ② PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
- ③ USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
- ④ MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
- ⑤ PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
- ⑥ IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
- ⑦ 4 FEET MINIMUM, 5 FEET DESIRABLE
- ⑧ IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

**LEGEND**

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

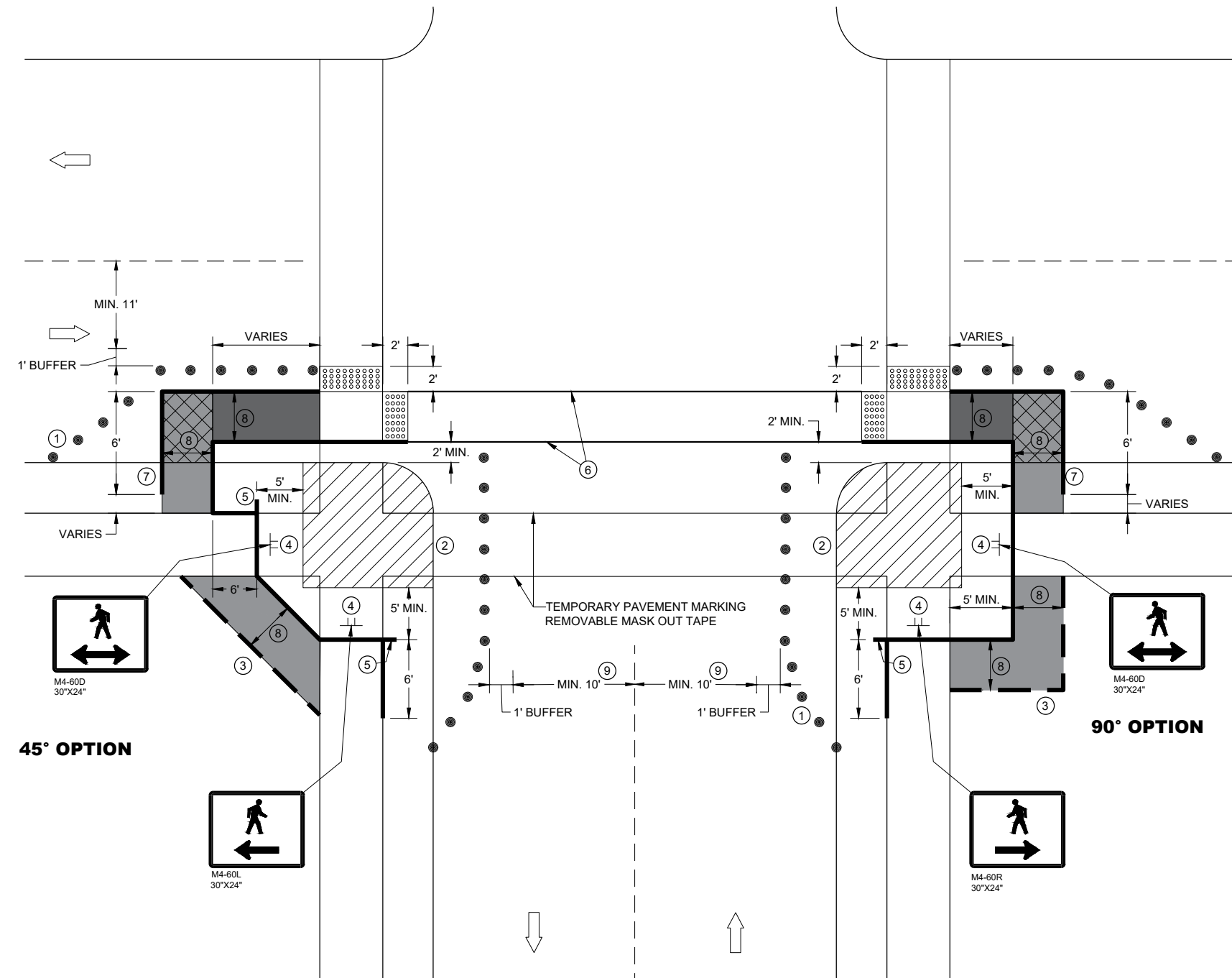
**TRAFFIC CONTROL,  
PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE  
SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

- ① SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
- ② PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
- ③ USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
- ④ MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
- ⑤ PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
- ⑥ WHITE 6" TEMPORARY PAVEMENT MARKING
- ⑦ IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
- ⑧ 4 FEET MINIMUM, 5 FEET DESIRABLE
- ⑨ IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

	SIGN ON TEMPORARY SUPPORT
	TRAFFIC CONTROL DRUM
	WORK AREA
	TEMPORARY CURB RAMP
	TEMPORARY PEDESTRIAN SURFACE "A"
	TEMPORARY PEDESTRIAN SURFACE "B"
	TEMPORARY DETECTABLE WARNING FIELD
	TEMPORARY PEDESTRIAN BARRICADE
	OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
	DIRECTION OF TRAFFIC







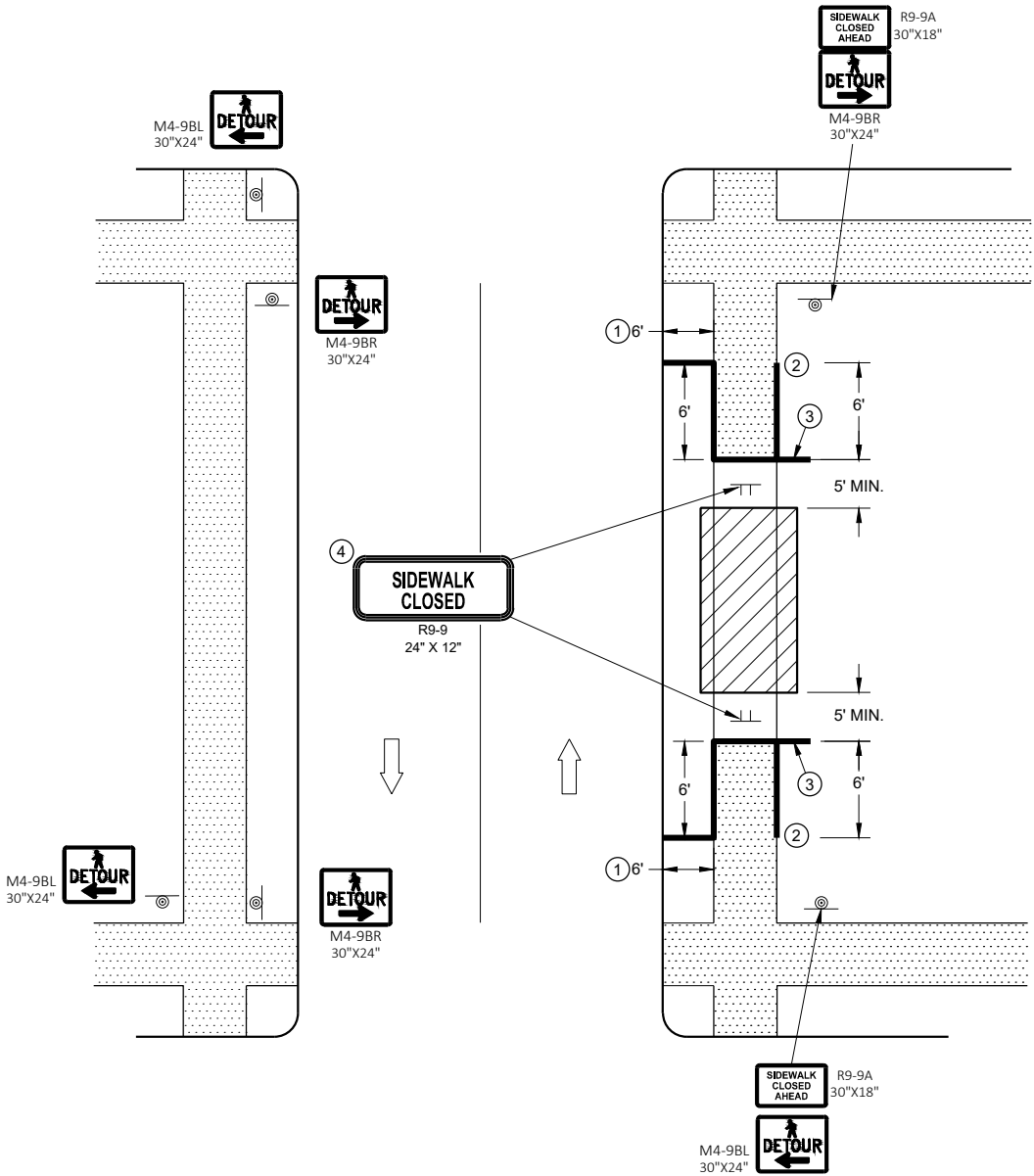
## CURB RAMP PEDESTRIAN TRAFFIC CONTROL

**TRAFFIC CONTROL,  
PEDESTRIAN ACCOMMODATION**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  SIGN ON TEMPORARY SUPPORT
-  UNDER PEDESTRIAN TRAFFIC
-  WORK AREA
-  TEMPORARY PEDESTRIAN BARRICADE
-  DIRECTION OF TRAFFIC



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

- ① IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
- ② PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
- ③ IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
- ④ MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

- ## LEGEND

- ## TEMPORARY PEDESTRIAN CROSSING

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

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) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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

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

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

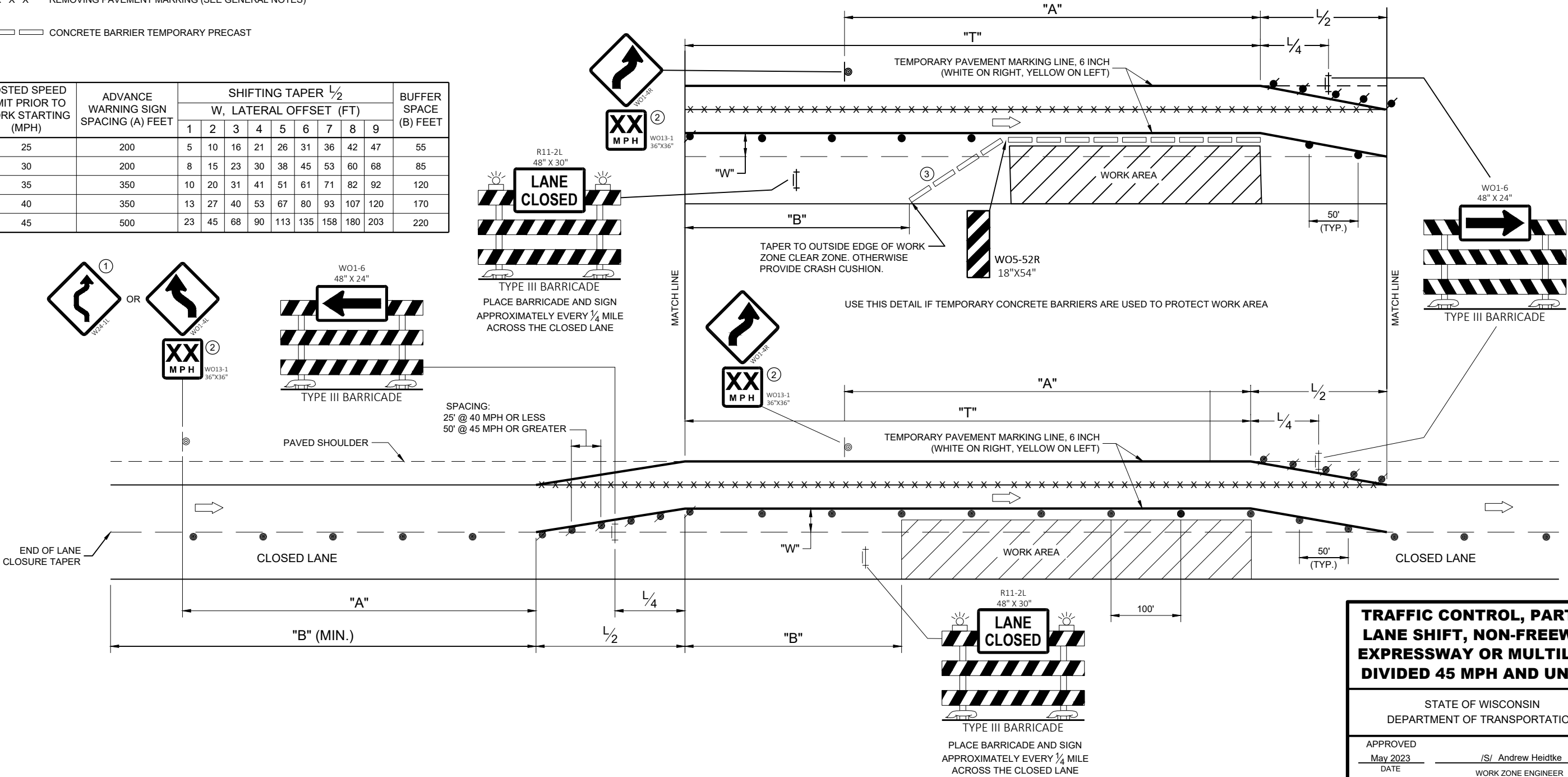
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

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

- 1 USE ONLY WHEN T<600', OMIT WO1-4R.
- 2 IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.
- 3 BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS  
8:1 @ 45 MPH OR GREATER

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER $\frac{L}{2}$ W, LATERAL OFFSET (FT)									BUFFER SPACE (B) FEET
		1	2	3	4	5	6	7	8	9	
25	200	5	10	16	21	26	31	36	42	47	55
30	200	8	15	23	30	38	45	53	60	68	85
35	350	10	20	31	41	51	61	71	82	92	120
40	350	13	27	40	53	67	80	93	107	120	170
45	500	23	45	68	90	113	135	158	180	203	220



**TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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

FHWA

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

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) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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

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

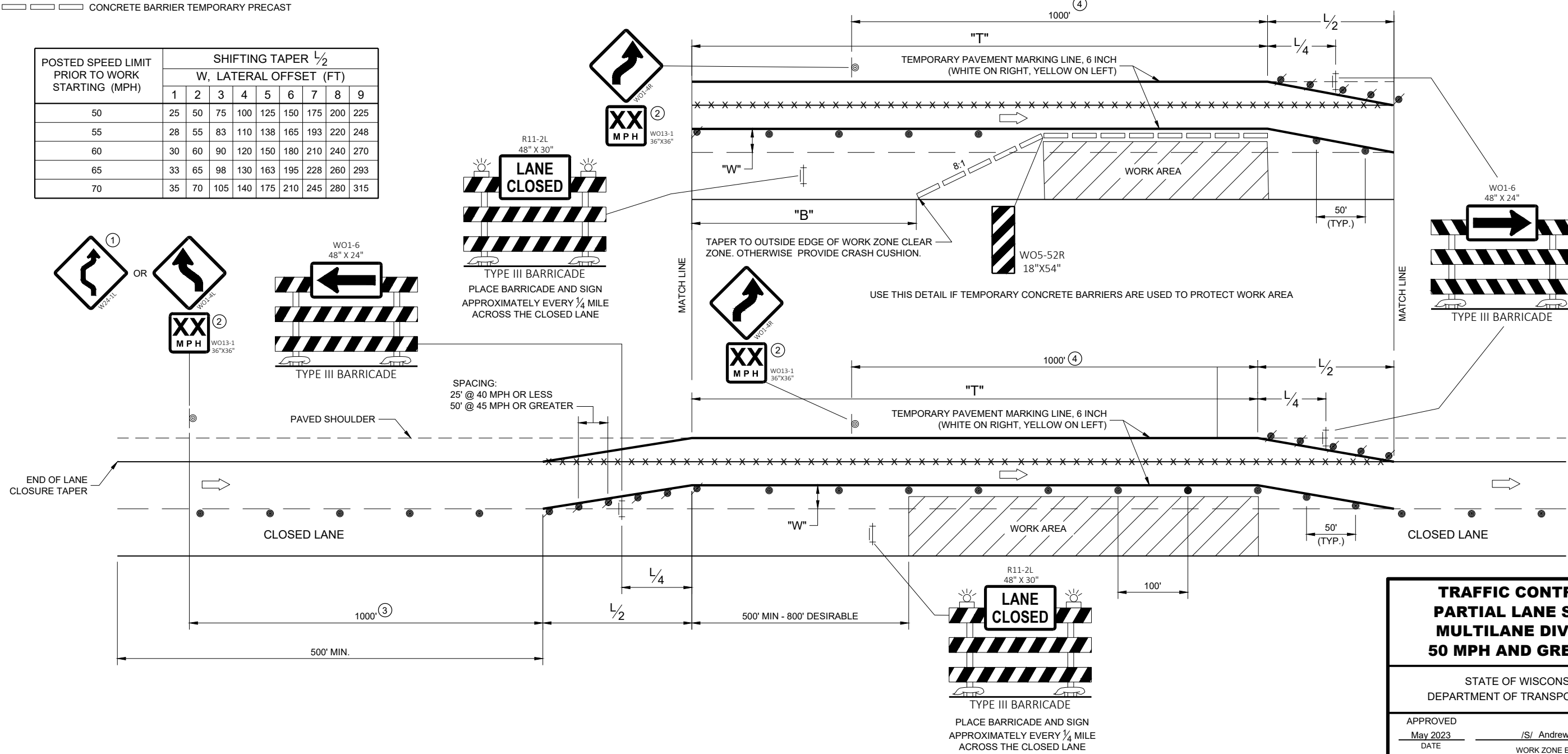
REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

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

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

- USE ONLY WHEN T<600', OMIT WO1-4R.
- IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.
- IF THE BEGINNING OF LANE SHIFT TAPER IS 1200 FEET OR LESS FROM END OF LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE LANE CLOSURE TAPER.
- IF THE BEGINNING OF THE SECOND LANE SHIFT TAPER IS 1200 FEET OR LESS FROM END OF THE FIRST LANE CLOSURE TAPER, PLACE THE WO1-4L SIGN 200 FEET AFTER THE END OF THE FIRST LANE CLOSURE TAPER.



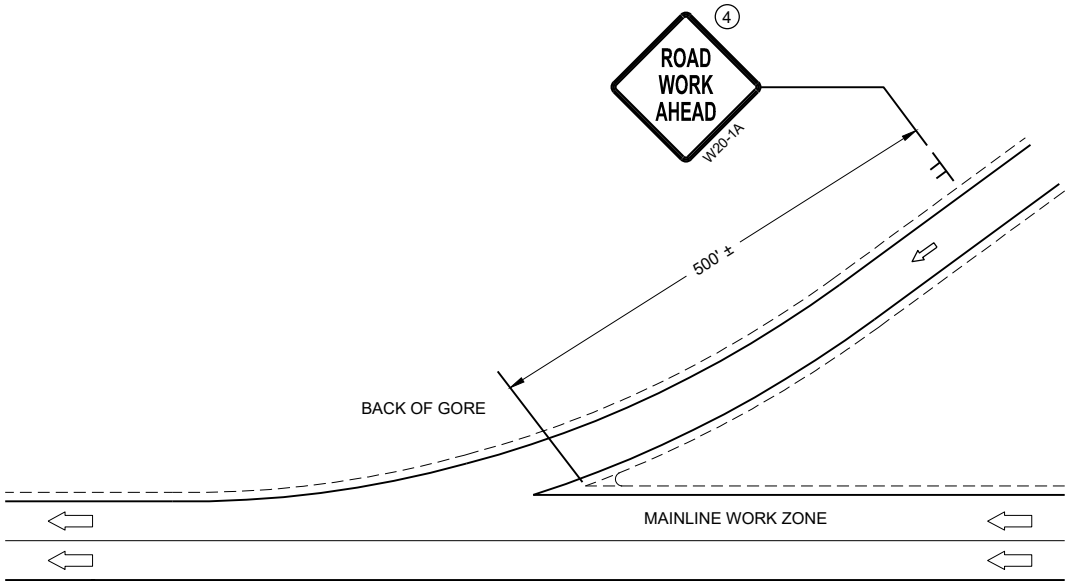
TRAFFIC CONTROL,  
PARTIAL LANE SHIFT  
MULTILANE DIVIDED  
50 MPH AND GREATER

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

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

LEGEND

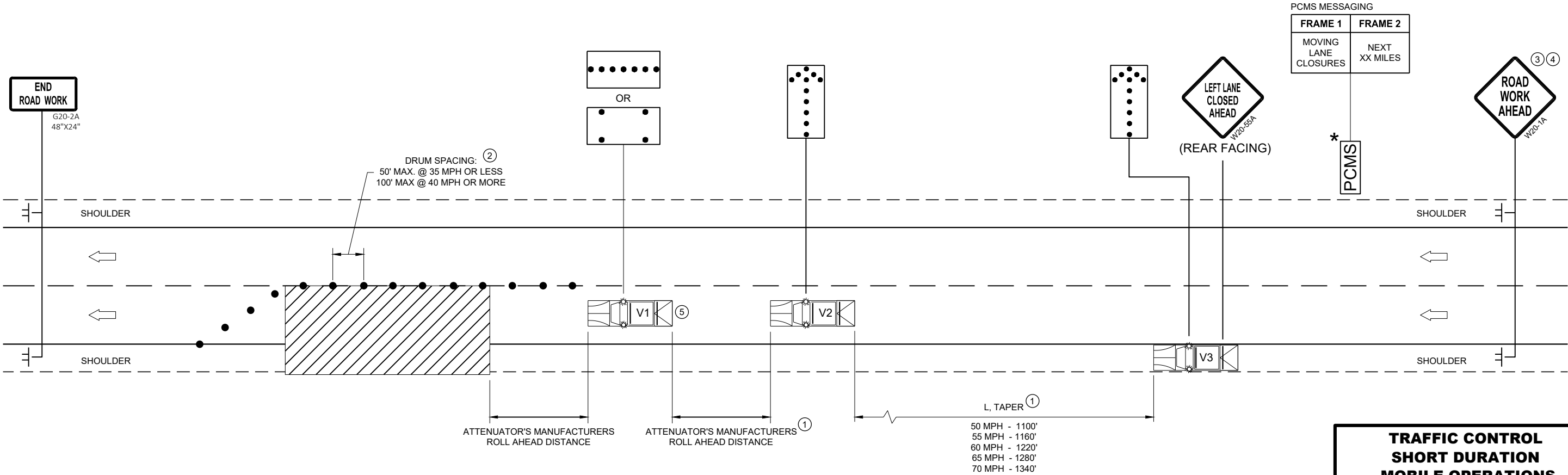
- V1 SHADOW VEHICLE 1
- V2 SHADOW VEHICLE 2
- V3 ADVANCE WARNING TRUCK
- TRAFFIC CONTROL DRUM
- ☐ TRUCK MOUNTED ATTENUATOR (TMA)
- ⊥ SIGN ON TEMPORARY SUPPORT
- ➡ DIRECTION OF TRAFFIC
- FLASHING ARROW PANEL (MERGE)
- FLASHING ARROW PANEL (CAUTION)
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- ▨ WORK AREA



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



**TRAFFIC CONTROL  
SHORT DURATION  
MOBILE OPERATIONS**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION


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


FHWA


LEGEND


- V1

WORK VEHICLE
- V2

SHADOW VEHICLE
- 

TRUCK MOUNTED ATTENUATOR (TMA)
- 

FLASHING ARROW PANEL (CAUTION)
- 

WORK AREA
- 

DIRECTION OF TRAFFIC

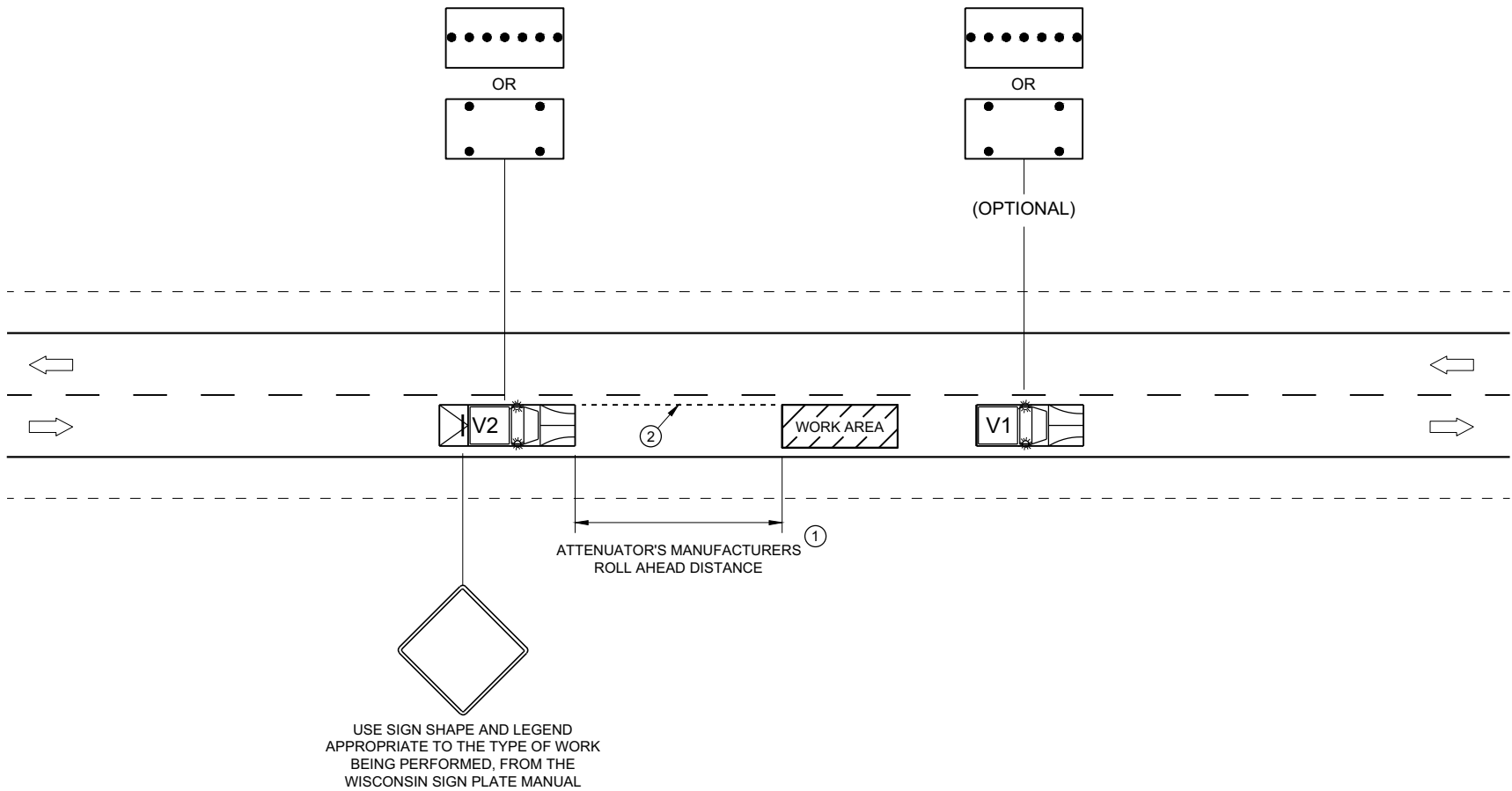
POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

GENERAL NOTES

- ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.
- MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.
- ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.
- ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.
- USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.
- ①

DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- ②

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



TRAFFIC CONTROL,  
MOBILE OPERATIONS ON  
AN UNDIVIDED ROADWAY

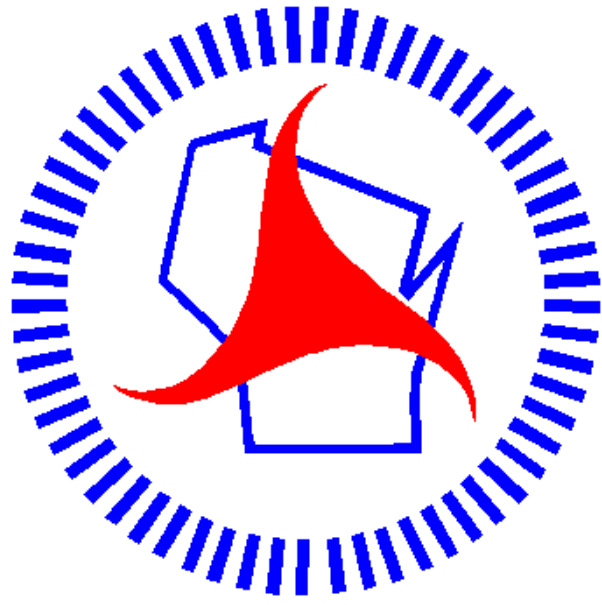
STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
February 2021  
DATE

/S/ Andrew Heidtke  
STATEWIDE WORK ZONE TRAFFIC  
SAFETY ENGINEER

FHWA

## Notes



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

Dedicated people creating transportation solutions  
through innovation and exceptional service.

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