

LAX DECEMBER 2024

ORDER OF SHEETS

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

TOTAL SHEETS = 60



DESIGN DESIGNATION

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

CONVENTIONAL SYMBOLS

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

PROFILE	
GRADE LINE	----
ORIGINAL GROUND	----
MARSH OR ROCK PROFILE (To be noted as such)	----
SPECIAL DITCH	----
GRADE ELEVATION	95.36
CULVERT (Profile View)	----
UTILITIES	----
ELECTRIC	----
FIBER OPTIC	----
GAS	----
SANITARY SEWER	----
STORM SEWER	----
TELEPHONE	----
WATER	----
UTILITY PEDESTAL	----
POWER POLE	----
TELEPHONE POLE	----

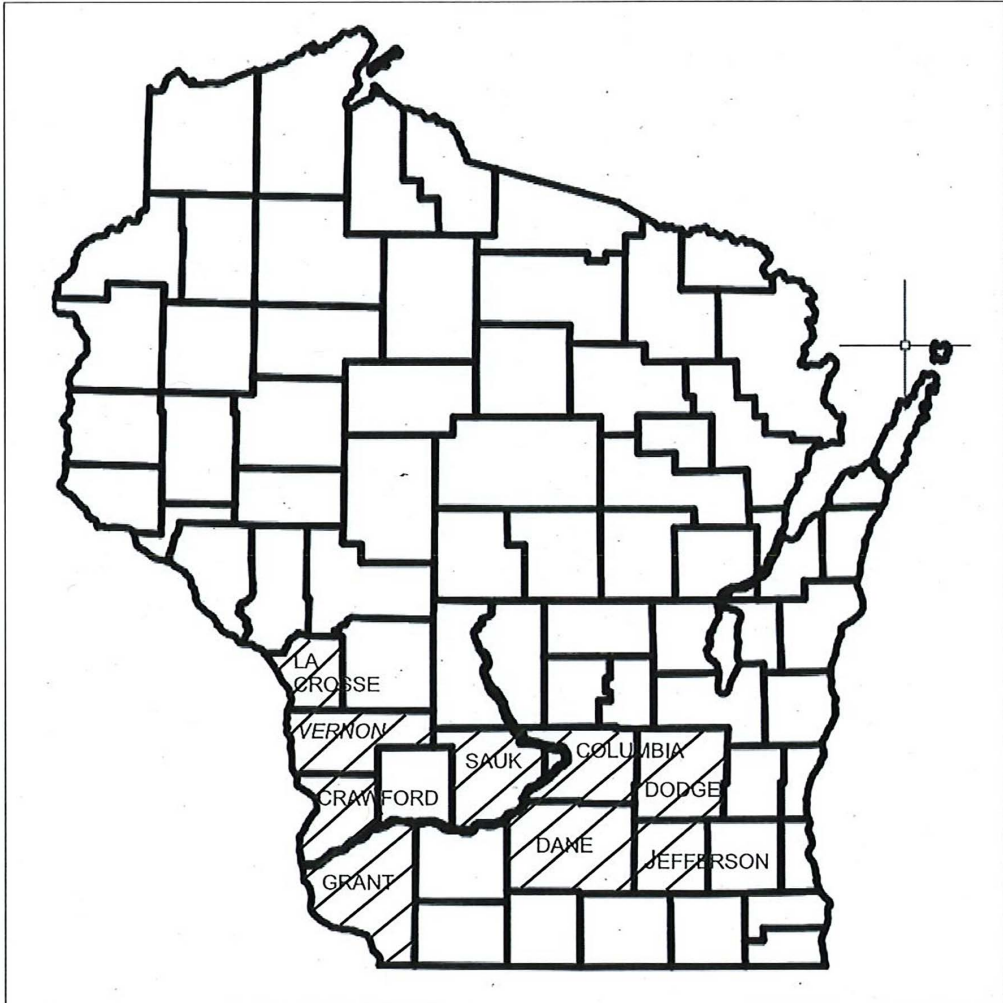
ROCK	----
LABEL	95.36
E	----
FO	----
G	----
SAN	----
SS	----
T	----
W	----
UTILITY PEDESTAL	----
POWER POLE	----
TELEPHONE POLE	----

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

SW REGION PAVEMENT MARKING
STN LOCATIONS PER ANNUAL PLAN
VAR HWY
SW REGION WIDE

STATE PROJECT NUMBER
1009-13-91



LAYOUT
SCALE 0
TOTAL NET LENGTH OF CENTERLINE =

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

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-13-91	WISC 2025141	1

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	JEANNIE SILVER
Designer	ERIC GUNDINNING
Project Manager	RICHARD VYDRZAL
Regional Examiner	
Regional Supervisor	
APPROVED FOR THE DEPARTMENT	
DATE: 8-29-2024	(Signature)

PROJECT ID: 1009-13-91

COUNTY: SW REGION WIDE

GENERAL NOTES

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



Dial  or (800) 242-8511
www.DiggersHotline.com

REGION CONTACTS

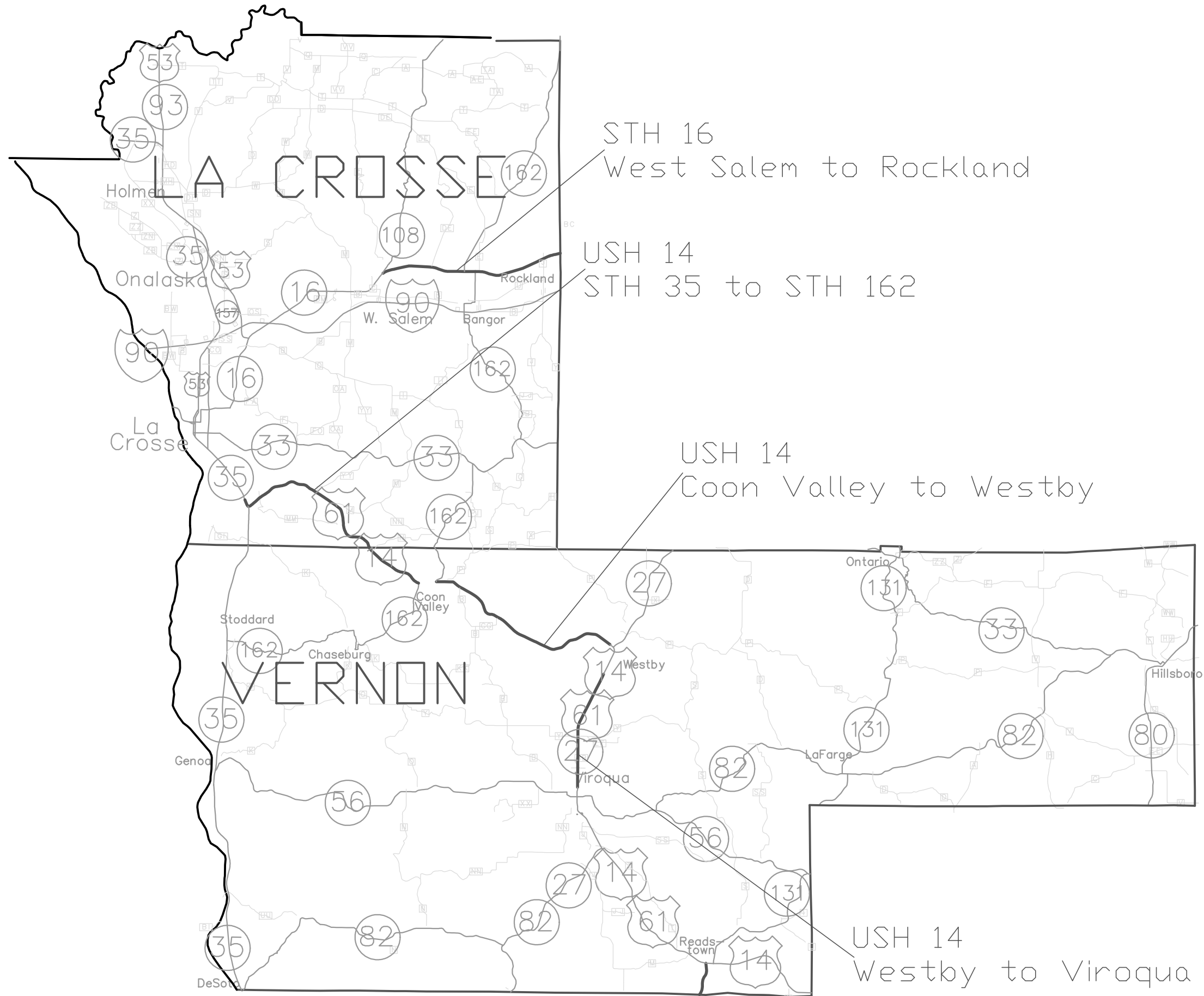
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PROJECT MANAGER

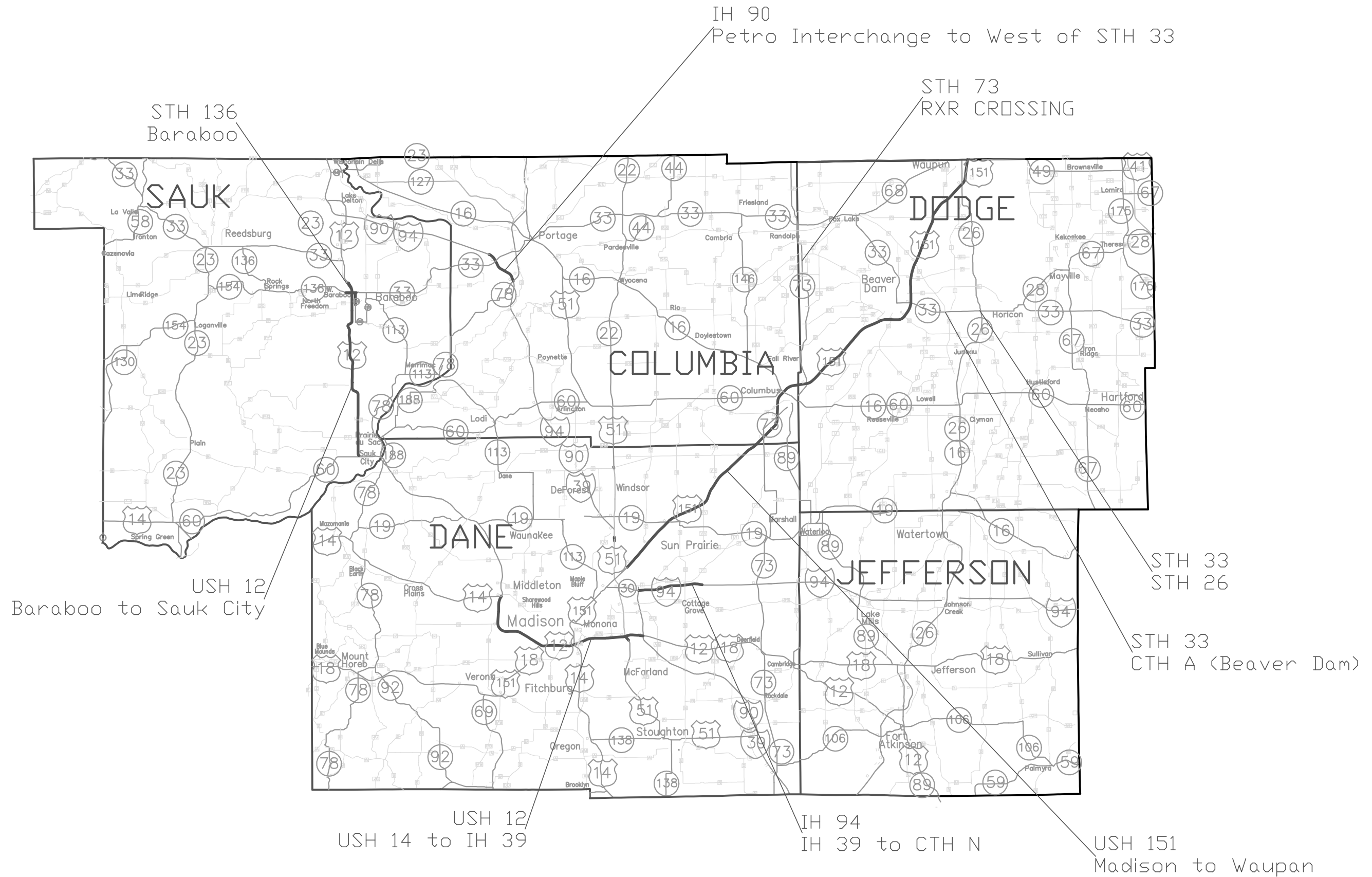
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DESIGN ENGINEER

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DNR CONTACT







Estimate Of Quantities

1009-13-91

Line	Item	Item Description	Unit	Total	Qty
0002	619.1000	Mobilization	EACH	1.000	1.000
0004	646.2020	Marking Line Epoxy 6-Inch	LF	5,579,981.000	5,579,981.000
0006	646.4020	Marking Line Epoxy 10-Inch	LF	141,440.000	141,440.000
0008	646.5020	Marking Arrow Epoxy	EACH	406.000	406.000
0010	646.5120	Marking Word Epoxy	EACH	170.000	170.000
0012	646.5220	Marking Symbol Epoxy	EACH	9.000	9.000
0014	646.5320	Marking Railroad Crossing Epoxy	EACH	10.000	10.000
0016	646.5420	Marking Aerial Enforcement Bar Epoxy	EACH	40.000	40.000
0018	646.6120	Marking Stop Line Epoxy 18-Inch	LF	6,003.000	6,003.000
0020	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	87.000	87.000
0022	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	326.000	326.000
0024	646.7020	Marking Diagonal Epoxy 6-Inch	LF	1,311.000	1,311.000
0026	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	8,276.000	8,276.000
0028	SPV.0060	Special 01. Traffic Control	EACH	1.000	1.000
0030	SPV.0090	Special 01. Marking Line Black Epoxy 6-Inch	LF	301,451.000	301,451.000
0032	SPV.0090	Special 02. Stop Line 24-In	LF	48.000	48.000

SUMMARY - EPOXY SPECIAL MARKINGS			646.5020 Arrow Epoxy White						646.5120 Word Epoxy White			646.5520 Symbols Epoxy White	646.6120 Stop Line Epoxy 18-Inch White		646.6320 Dotted Extension Epoxy 18-Inch White	646.7020 Diagonal Epoxy 12-In		646.7420 6-IN Crosswalk		646.5320 Railroad Marking Epoxy White	646.6220 Yield Lines 18-IN White	646.5420 Aerial Enforcement Bar Epoxy White	SPV.0090.02 Marking Stop Line Epoxy 24-In White
ROUTE	COUNTY	SEGMENT	Type 1 EACH	Type 2 EACH	Type 2R EACH	Type 3 EACH	Type 3R EACH	Type 5 EACH	Only EACH	Stop EACH	Ahead EACH	Preffered Lane Diamonds EACH	Mainline LF	Interchanging Roadway LF	2' Line, 2' Gap LF	Yellow LF	White LF	Mainline LF	Interchanging Roadway LF	Mainline LF	Mainline EACH	Mainline EACH	Mainline LF
USH 12	SAUK	Baraboo to Sauk City		10					5				73	81	104	230		348	96			20	
USH 12	DANE	USH 14 to IH 39	5	105		25		8	83			9	1742	1072				3709	333		56		
USH 14	LA CROSSE/VERNON	STH 35 to STH 162												28		105							
USH 14	VERNON	Coon Valley to Westby		6					3														
USH 14	VERNON	Westby to Viroqua		80				2	32														
STH 16	LA CROSSE	West Salem to Rockland											34										
STH 27	CRAWFORD	Prairie Du Chien to Eastman												137									
STH 33	DODGE	CTH A (Beaver Dam) & STH 26											130	68									
USH 61	GRANT	Dickeyville to Lancaster		27					4					26		266	160						
USH 61	GRANT/ CRAWFORD/ VERNON	Fennimore to Readstown		8		2			4	1	1		38	234									
STH 73	DODGE	Randolph (R&R Only)																		2			
STH 80	GRANT	STH 11 to Cuba City		6					3					46									
IH 90	COLUMBIA	Petro Interchange to .55 West of STH 33		2				2	2				97			290					31		
IH 94	DANE	IH 39 to CTH N	4	4	8										122			327				20	
STH 136	SAUK	Baraboo	16	42		5	4		20				213	132	100	260		1373	208				
USH 151	DANE/COLUMBIA/ DODGE	Madison to Waupan	2	23		10			12				1203	649				1298	584	8			48
SUBTOTAL			27	313	8	42	4	12	168	1	1	9	3576	2427	326	1151	160	7055	1221	10	87	40	48
TOTAL			406						170			9	6003		326	1311		8276		10	87	40	48

GRANT COUNTY STH 11 0.3 Miles East of STH 35 TO Hazel Green		646.2020 Line Epoxy 6-In Yellow Centerline LF	646.4020 Line Epoxy 10-In White Right Lane LF
ROUTE	Nearest Crossroad		
STH 11	0.3 Miles East of STH 35 to 0.47 mile west of STH 80	72186	
	CTH Z West Jct		317
Total		72186	317

DO NOT PAINT WET REFLECTIVE EDGELINES AND LANELINES

GRANT COUNTY STH 11 Hazel Green TO STH 80 North Jct		646.2020 Line Epoxy 6-In Yellow Centerline LF
ROUTE	Nearest Crossroad	
STH 11	0.15 mile north of Louisburg Rd, Hazel Green to North Jct of 80	7883
TOTAL		7883

DO NOT PAINT WET REFLECTIVE EDGELINES

GRANT COUNTY STH 80 STH 11 to Cuba City		646.2020 Line Epoxy 6-In Yellow Centerline LF		646.4020 Line Epoxy 10-In White Left Lane Right Lane LF			646.5020 Arrow Epoxy White Type 2 EACH	646.5120 Word Epoxy White Only EACH	646.6120 Stop Line Epoxy 18-Inch White Interchanging Roadway LF	COMMENTS
ROUTE	Nearest Crossroad									
STH 80	North Jct STH 11 to Troy St, Cuba City	19168	5771							
	STH 80/11 Intersection			460	1515	1015	6	3	46	ADD ONLY FOR SB RIGHT TURN LANE
Total		19168	5771	460	1515	1015	6	3	46	

DO NOT PAINT WET REFLECTIVE EDGELINES

3	SAUK COUNTY USH 12 BARABOO TO SAUK CITY																		3
	ROUTE	Nearest Crossroad	646.2020 Line Epoxy 6-In				646.4020 Line Epoxy 10-In White			SPV.0090.01 Marking Line Black Epoxy 6-Inch Lane Line	646.5020 Arrow Epoxy	646.5120 Word Epoxy	646.6120 Stop Line Epoxy 18-Inch White		646.6320 Dotted Extension Epoxy 18-Inch White	646.7020 Diagonal Epoxy 12-In Yellow	646.7420 6-IN Crosswalk White		646.5420 Aerial Enforcement Bar Epoxy White
			Centerline LF	Yellow Edgeline Left LF	White Edgeline Right LF	Lane Line LF	Gore LF	Left Lane LF	Right Lane LF	Black LF	Type 2 EACH	Only EACH	Mainline LF	Interchanging Roadway LF	2' Line, 2' Gap LF	Median LF	Mainline LF	White Interchanging Roadway LF	Mainline EACH
USH 12 EB		TERRYTOWN RD TO Construction Joint North of STH 60	13700	66320	79940	8420				8420					14		42		10
		STH 136/STH 33 OFF RAMP		1235	1552												42		
		STH 136/STH 33 On RAMP		738	1380														
		STH 33/Bus 12 Off Ramp		1085	1490												40		
		STH 33/Bus 12 On Ramp		1580	2270												40		
		BUS 12/CTH W OFF RAMP		1131	1438		35								14		48		
USH 12 WB		BUS 12/CTH W Inner Circle					205								32			48	
		BUS 12/CTH W ON RAMP		1913	1162		40										48		
		Driveway						340											
		N Rd						80											
		East Ave						200	140										
		Armory View Rd							130										
USH 12 WB		CTH C					1320	235			2	1							
		CTH Z						215											
		CTH PF					310		510		2	1	37	44		230			
		Sauk Prairie Rd							90										
		Construction Joint North of STH 60 TO TERRYTOWN RD		66320	79940	8589			100	8589									10
		Sauk Prairie Rd																	
		Hospital					575												
		CTH PF					290		345		2	1	36	37					
		Kwip Trip					280				2	1							
		CTH Z					495	75	110										
USH 12 WB		Waterbury Rd						85											
		CTH C						500	205		2	1							
		Armory View Rd						95											
		East Ave						125											
		N Rd						80											
		Kings Corner Rd						80											
		Driveway						355											
		BUS 12/CTH W OFF RAMP		1133	1440		30								14		24		
TOTAL		BUS 12/CTH W Inner Circle					200								30			48	
		BUS 12/CTH W ON RAMP		1158	1901		32										24		
		STH 33/Bus 12 Off Ramp		1160	1570												40		
		STH 33/Bus 12 On Ramp		800	1475														
		STH 33/136 OFF RAMP		806	1375														
		STH 33/136 ON RAMP		1538	2130														
DO NOT PAINT OVER TAPE LANE LINES, TURN LANES, OR GORES PAINT LANE LINES ARE FROM SKI HIGH ROAD TO CTH Z ONLY																			
TOTAL			13700	146917	179063	17009	3812	2465	1630	17009	10	5	73	81	104	230	348	96	20
PROJECT NO: 1009-13-91			HWY: VARIOUS				COUNTY: VARIOUS				MISCELLANEOUS QUANTITIES						SHEET:		E

DANE COUNTY USH 12 USH 14 TO IH 39		646.2020 Line Epoxy 6-In					646.4020 Line Epoxy 10-In		SPV.0090.01 Marking Line Black Epoxy 6-Inch Lane Line	646.5020 Arrow Epoxy				646.5120 Word Epoxy	646.5220 Preffered Lane Diamonds	646.6120 Stop Line Epoxy 18-Inch		646.7420 6-IN Crosswalk		646.6220 Yield Lines 18-IN	Comments	
Route	Neareast Crossroad	Yellow		White			White		Black LF	Type 1 EACH	Type 2 EACH	Type 3 EACH	Type 5 EACH	Only EACH	Only EACH	White		White		Mainline EACH		
		Edgeline Left	Mini Dash	Edgeline Right	Lane Line	Mini Dash	Mainline	Ramp								Mainline	Interchanging Roadway	Mainline	Interchanging Roadway			
		LF	LF	LF	LF	LF	LF	LF								LF	LF	LF	LF			
USH 12 EB	USH 14 to Gammon Rd	23285		23285	17475				17475													
	Greenway Blvd Off Ramp	920		1360	100		1372	340			4	2		2		54	70	108				
	Greenway Blvd On Ramp	950		2989			1350										112					
	Old Sauk Rd Off Ramp	780		1389	125		600	613			4	2		2		43	89	86				
	Old Sauk Rd On Ramp	731		1684			730										86					
	Mineral Point Rd Off Ramp	530		5385			4325	425			6	2		3		74		148	114			
	Mineral Point Rd On Ramp	545		2297			1505															
	Gammon Rd Off Ramp	686		2757	225		415	400			6	2		3		50	110	100				
Gammon Rd On Ramp	749		686	150		1426	160								24		110					
USH 12 EB	Gammon Rd to IH 39	107930		66480					49875				2									
	Exit 257 - Whitney Way OFF RAMP	150		102				60			2					38		78				
	Exit 257 - Whitney Way ON RAMP	858		1097	231			1316							5							
	Exit 258 - Verona Rd OFF RAMP	910		1495						2	4			4		69		128				
	Exit 258 - Verona Rd ON RAMP	986		1961				270					2			30		96			Only replace 2 of the 3 arrows	
	Exit 259 - Todd Dr OFF RAMP	745		1153				362												26		
	EXIT 260B - Fish Hatchery Rd NB OFF RAMP	875		801		20		300								44		112				
	EXIT 260B - Fish Hatchery Rd NB ON RAMP	1025		1450												24		90				
Fish Hatchery Rd	SB Fish Hatchery over Hwy 12							684			4			4		114		135				
	NB Fish Hatchery over Hwy 12							444			3			3		120		220				
USH 12 EB	Exit 261 -USH 14/Park St OFF RAMP	90		345	60			545									25			30	Part of Ramp Painted in 2024	
	Exit 261 - Park St SB to EB 12 ON RAMP	105		820				623									25				Part of Ramp Painted in 2024	
	Exit 262 - Rimrock Rd OFF RAMP	457		810	65			312			6			6		65	101	155				
	Exit 262 - Rimrock Rd ON RAMP	521		777													82					
	Exit 264 - South Towne Dr OFF RAMP	785		1160	175			457			4	2		4		41	108	93	143			
	Exit 264 - South Towne Dr ON RAMP	574		912													80	83	76			
	Exit 265 - Monona Dr OFF RAMP	605		1379												20						
	Exit 265 - Monona Dr ON RAMP	800		1105																		
Monona Dr	Northbound	397		439																		
	Southbound	395		312												18						
USH 12 EB	Exit - 266 USH 51 OFF RAMP	966	40	1410	500	100		1141			9	2		9		73						
	Exit - 266 USH 51 ON RAMP	865		1226	135													126				
USH 51	Southbound to Eastbound					40																
	Northbound to Westbound					26																
USH 12 EB	Off Ramp to IH 39 SB	5292		5292																		
	On Ramp from IH 39 SB	2190		2190																		
	Off Ramp to IH 39 NB	1964		1964			465															
	On Ramp from IH 39 NB	1532		1532																		
SUBTOTAL		160193	40	138044	19241	186	12188	8452	67350	2	52	12	4	40	5	901	690	2066	333	56		
DO NOT PAINT OVER TAPE LANE LINES AND GORES																						
PROJECT NO: 1009-13-91		HWY: USH 12					COUNTY: DANE				MISCELLANEOUS QUANTITIES									SHEET:		E

DANE COUNTY USH 12 IH 39 TO USH 14		646.2020 Line Epoxy 6-In					646.4020 Line Epoxy 10-In		SPV.0090.01 Marking Line Black Epoxy 6-Inch Lane Line	646.5020 Arrow Epoxy				646.5120 Word Epoxy	646.5520 Preffered Lane Diamonds	646.6120 Stop Line Epoxy 18-Inch White		646.7420 6-IN Crosswalk White Mainline	Comments
ROUTE	Nearest Crossroad	Edgeline Left LF	Yellow Mini Dash LF	Edgeline Right LF	White Lane Line LF	Mini Dash LF	Mainline LF	Ramp LF	Black LF	Type 1 EACH	Type 2 EACH	Type 3 EACH	Type 5 EACH	Only EACH	Only EACH	Mainline LF	Interchanging Roadway LF	White Mainline LF	
USH 12 WB	IH 39 to Gammon Rd	112785		66480					49875				2						
	Off Ramp to IH 39 NB	3108		3108															
	On from IH 39 NB	5307		5307															
	IH 39 SB On Ramp	1978		1978															
	On fron IH 39 SB	3377		3377															
	Exit 266 - USH 51 Off Ramp	674	25	1235	226	40		593			5	2		5		57		141	
	Exit 266 - USH 51 On Ramp	905		1350	191														
USH 51	Southbound to Westbound					230													
USH 12 WB	Exit 265 - Monona Dr Off Ramp	544		1202				562								18			
	Exit 265 - Monona Dr On Ramp	619		2032				517											
	Exit 264 - South Towne Dr Off Ramp	640		1171		30		212			2	1		2		42		93	
	Exit 264 - South Towne Dr On Ramp	869		1417				587										42	
	Exit 262 - Rimrock Rd Off Ramp	490		691	70			312								58			
	Exit 262 - Rimrock Rd On Ramp	415		1193				297										122	
	Exit 261 - USH 14/Park St Off Ramp	794		1325	145			164			6			6		44			
	Exit 261 - USH 14/Park St On Ramp	695		1162	171			1165							4	36			
Park St	Northbound at WB OFF Ramp															25			
	Northbound to Badger Rd	202		161	70			177			2			2					
	Badger Rd to WB OFF Ramp	192			50											25			
USH 12 WB	Exit 260A-B Fish Hatchery Rd Off Ramp	100		490	302	118		350			6	2		6		60		140	PART OF RAMP PAINTED IN 2024
	Exit 260A-B Fish Hatchery Rd On Ramp	105		365	88											24		132	PART OF RAMP PAINTED IN 2024
	Exit 259 - Todd Dr On Ramp	609		1851	140			200								30		75	
	Exit 258 - Verona Rd Off Ramp	859		1243						3	10			8		65		138	
	Exit 258 - Verona Rd On Ramp	875		1835									2					75	
Midvale Blvd	Southbound at Hwy 12															102		50	
USH 12 WB	Exit 257 - Whintey Way Off Ramp	895		1670							2			4		60			
USH 12 WB	Gammon Rd to USH 14	23285		23285	17475				17475										
	Gammon Rd Off Ramp	633		1636			1426	589			6	2		3		51	103	102	
	Gammon Rd On Ramp	711		2532			964											80	
	Mineral Point Rd Off Ramp	580		1974	120		454	175			6	2		3		56	112	112	
	Mineral Point Rd On Ramp	580		1531			1480												
	Old Sauk Rd Off Ramp	842		1218	120		426	564			4	2		2		38	88	76	
	Old Sauk Rd On Ramp	816		2388			1282											49	
	Greenway Blvd Off Ramp	844		2308			528				4	2		2		50	79	100	
	Greenway Blvd On Ramp	574		1409			736											116	
	SUBTOAL	165902	25	138924	19168	418	7296	6464	67350	3	53	13	4	43	4	841	382	1643	
	TOTAL	326095	65	276968	38409	604	19484	14916	134700	5	105	25	8	83	9	1742	1072	3709	
DO NOT PAINT OVER TAPE LINE LINES AND GORES																			

LA CROSSE & VERNON COUNTIES		646.2020 Line Epoxy 6-In				646.4020 Line Epoxy 10-In		646.6120 Stop Line Epoxy 18-Inch White Interchanging Roadway	646.7020 Diagonal Epoxy 12-In Yellow
ROUTE	Nearest Crossroad	Centerline	Yellow Edgeline Left	White Edgeline Right	Lane Line	White Left Lane	White Right Lane	LF	LF
		LF	LF	LF	LF	LF	LF		
USH 14	Garner Pl, La Crosse to STH 162, West of Coon Valley USH 14/61 and STH 35 RAB SKIP RAB Waterford Valley Rd	85377	15100	113836	2577		142		
	CTH MM Justin Rd Bloomer Mill Rd						180 225 202		
	Red Oaks Dr Park Dr Autumn Dr						111 195 197		
	Breidel Coulee Rd Pine View Dr CTH YY						199 200 77		
	CTH M Hills Rd Wayside		241 266			241 266	210 348		55 50
	Brinkman Ridge Rd CTH N						197 203		
	Hohlfeld Rd STH 162						203 351	28	
	TOTAL	85377	15607	113836	2577	507	3240	28	105
WORK WITH PROJECT 1640-01-75									

VERNON COUNTY		646.2020 Line Epoxy 6-In		646.4020 Line Epoxy 10-In	646.5020 Arrow Epoxy	646.5120 Word Epoxy	COMMENTS
ROUTE	Nearest Crossroad	Yellow Centerline LF	White Edgeline Right LF	White Right Lane LF	White Type 2 EACH	White Only EACH	
USH 14	Coon Valley to Mathison Ln (SPECIAL MARKING ONLY) CTH B CTH GG				2 4	1 2	SKIP 2ST ONLY AND 2ND ARROW SKIP 2ST ONLY AND 2ND ARROW
	.17 M E of Mathison Ln to High Echo Ln Westby Vang Rd Nestingn Rd	28413	55525	105 170			
	TOTAL	28413	55525	275	6	3	

3

VERNON COUNTY
USH 14
WESTBY TO VIROQUA

		646.2020 Line Epoxy 6-In				646.4020 Line Epoxy 10-In White			SPV.0090.01 Marking Line Black Epoxy 6-Inch Lane Line	646.5020 Arrow Epoxy White		646.5120 Word Epoxy White Only
ROUTE	Nearest Crossroad	Centerline LF	Yellow Edgeline Left LF	White Edgeline Right LF	Lane Line LF	Mainline LF	Left Lane LF	Right Lane LF	Black LF	Type 2 EACH	Type 5 EACH	Only EACH
USH 14 WB	200' West of Locust St (Westby) to 0.27 Miles West of CTH BB, Viroqua	2576	23926	23669	6594				6594			
	Tri State Rd						215	225		4		2
	Sherpe Rd						860	210		4		2
	Smith Rd						945	200		4		2
	Tom Burns Rd						925	205		4		2
	Driveway							150		2		1
	Old Highway 14						850	200		4		2
	Oak Knoll Rd							215		2		1
	CTH Y						935	200		2		1
	Field Entrance						255			2		1
	Driveway						250			2		1
	Springville Rd					127	130	200		4		2
	Two Way Left Lane From Springville Rd to CTH BB									16		
	0.27 Miles West of CTH BB (Viroqua) to 200' West of Locust St (Westby)	636	24738	23874	5398				5398			
	Springville Rd						225			2		1
	Driveway						260			2		1
	CTH Y						920	200		4		2
	Oak Knoll Rd						900			2		1
	Three Chimney Rd/Old 14						945	200		4		2
	Driveway						255			2		1
	Tom Burns Rd						910	195		4		2
	Smith Rd						940	190		4		2
	Sherpe Rd						900			2		1
	Tri State Rd/Old Town Rd		210	210			636	170		4		2
	100 Feet West of Tri State Rd										2	
TOTAL		3212	48874	47753	11992	127	12256	2760	11992	80	2	32

DO NOT PAINT SECOND WORD IN EACH TURN LANE

LA CROSSE COUNTY
STH 16
WEST SALEM TO ROCKLAND

		646.2020 Line Epoxy 6-In				646.4020 Line Epoxy 10-In White	646.6120 Stop Line Epoxy 18-Inch White
ROUTE	Nearest Crossroad	Centerline LF	Yellow Edgeline Left LF	White Edgeline Right LF	Lane Line LF	Right Lane LF	Mainline LF
STH 16	La Crosse River Bridge to CTH J Rockland	50429	1927	84654	348		
	CTH DE				75	280	
	STH 162 NB				75	275	
	STH 162 SB				75	303	34
	CTH E				75		
	CTH J				175	216	
Total		50429	1927	84654	823	1074	34

3

CRAWFORD COUNTY
STH 27
PRAIRIE DU CHIEN TO EASTMAN

ROUTE	Nearest Crossroad	646.2020 Line Epoxy 6-In		646.4020 Line Epoxy 10-In	646.6120 Stop Line Epoxy 18-Inch
		Yellow	White	White	White
		Centerline LF	Edgeline Right LF	Right Lane LF	Interchanging Roadway LF
STH 27	St. Lo Street to 480' South of STH 179	115162	1200046		
	Irish Ridge Rd			226	
	Limmery Rd			228	
	CTH N			477	56
	STH 179				22
	Plumb Creek Rd				31
	CH D				28
TOTAL		115162	1200046	931	137

Dodge County
STH 33
CTH A Beaver Dam

ROUTE	Nearest Crossroad	646.6120 Stop Line Epoxy 18-Inch	
		White	White
		Mainline LF	Interchanging Roadway LF
STH 33	CTH A	48	34
Total		48	34

Dodge County
STH 33
STH 26

ROUTE	Nearest Crossroad	646.6120 Stop Line Epoxy 18-Inch	
		White	White
		Mainline LF	Interchanging Roadway LF
STH 33	STH 26	82	34
Total		82	34

GRANT COUNTY
USH 61
DICKKEYVILLE TO LANCASTER

ROUTE	Nearest Crossroad	646.2020 Line Epoxy 6-In			646.4020 Line Epoxy 10-In		646.5020 Arrow Epoxy	646.5120 Word Epoxy	646.6120 Stop Line Epoxy 18-Inch	646.7020 Diagonal Epoxy 12-In	
		Yellow	White		White	White			White	Yellow	White
		Edgeline Left LF	Edgeline Right LF	Lane Line LF	Left Lane LF	Right Lane LF	Type 2 EACH	Only EACH	Interchanging Roadway LF	Median LF	LF
USH 61	CTH HH to Alona Ln	2217	221907	7125							
	USH 151 NB On				200	185					
	USH 151 SB On				160	405					
	Busch Ln				125	210	2	1		10	
	N Main St					70	1				
	STH 133				200		2	1			
	TWLT						18				
	CTH U				195		2	1		256	
	Skip STH 81 RAB										
	USH 61 Bypass					705	2	1	26		160
TOTAL		2217	221907	7125	880	1575	27	4	26	266	160
Edgeline only.											

GRANT, CRAWFORD AND VERNON COUNTIES
USH 61
FENNIMORE TO READSTOWN

GRANT, CRAWFORD AND VERNON COUNTIES USH 61 FENNIMORE TO READSTOWN		646.2020 Line Epoxy 6-In White			646.4020 Line Epoxy 10-In White	646.5020 Arrow Epoxy White		646.5120 Word Epoxy White			646.6120 Stop Line Epoxy 18-Inch White	
ROUTE	Nearest Crossroad	Yellow	White	Lane Line	Right Lane	Type 2	Type 3	Only	Stop	Ahead	Mainline	Interchanging Roadway
		Centerline	Edgeline Right									
USH 61	South of 18th St to North Jct of USH 18 WB	9705										
	USH 18				72	1	2	1			34	
	North Jct of USH WB 18 to USH 14	260991	357794	5818								
	USH 18				83	2	2	1				39
	Ideal Rd				122							
	CTH T				258							
	Stenner Hill Rd				120							
	Bluff St											
	STH 133 SB				353							41
	STH 60 WB				270	4		2	1	1	38	
STH 60/USH 61				155	2		1					
East STH 60 EB				240							25	
CTH W				200								
STH 171 WB				160							33	
STH 171 EB											28	
187 N												
121 S												
Sunbeam Blvd				225								
Sun Hill Rd				82								
Solar Cir				90								
Dull Rd				100								
STH 131				80								34
USH 14				125								34
Total		260991	357794	5818	2663	8	2	4	1	1	38	234

Dodge County
STH 73
Randolph

ROUTE	Nearest Crossroad	646.5320 Railroad Marking Epoxy White Mainline	
		LF	
STH 73	CTH G	2	
Total		2	

GRANT COUNTY
STH 81
PLATTEVILLE TO LANCASTER

ROUTE	Nearest Crossroad	646.2020 Line Epoxy 6-In Yellow	646.4020 Line Epoxy 10-In White
		Centerline	Right Lane
		LF	LF
STH 81	Ridge Rd Platteville to Hwy 61	86844	
	CTH D		346
Total		86844	346

DO NOT PAINT WET REFLECTIVE EDGELINES

SAUK COUNTY
STH 136
MINE RD TO COMMERCE PKWY

ROUTE	Nearest Crossroad	646.2020 Line Epoxy 6-In			646.4020 Line Epoxy 10-In		646.5020 Arrow Epoxy				646.5120 Word Epoxy	646.6120 Stop Line Epoxy 18-Inch		646.6320 Dotted Extension Epoxy 18-Inch	646.7020 Diagonal Epoxy 12-In	646.7420 6-IN Crosswalk	
		Yellow	White		White	White	White				White	White		White	Yellow	White	
		Edgeline Left LF	Edgeline Right LF	Lane Line LF	Left Lane LF	Right Lane LF	Type 1 EACH	Type 2 EACH	Type 3 EACH	Type 3R EACH	Only EACH	Mainline LF	Interchanging Roadway LF	2' Line, 2' Gap LF	Median LF	Mainline LF	Interchanging Roadway LF
Bus 12 EB/WB	USH 12 to Mulberry St	810	810	225	175			2			1						
STH 136 NB	Mine Rd to End of Divided west of USH 12	11900	11900	200	145			2									
	Mine Rd				125												
	South Blvd				315	140		4			2	60	62			206	208
	UPS				70			1			1						
	Burger King				70			1			1						
	Sauk Ave				160			2			1					160	
STH 136 SB	Auto Value				75			1			1						
	Turner Water Care				70			1			1						
	Hatchery Rd/Capenter St				90			1			1						
	Slumberland/Locust St				140			2			1						
	Tinkham Trail				100			2									
	Bus 12/STh 33				115							53	70			216	
STH 136 SB	USH 12 RAB Approach					245	2		2								
	Between Roundabouts					210	2			2							
	End of Divided West USH 12 to Mine Rd	11900	11900	2975				2			1				160		
	Croell Inc					220											
	USH 12 RAB Approach					285	2		2								
	RAB Inner Circle					126	4	2						50			
STH 136 SB	Between Roundabouts					235	2			2							
	RAB Inner Circle					126	4		1					50	80	116	
	STH 33/Bus 12				85			2				44			20	149	
	Maple St				50												
	Chestnut St				90			2									
	Locust St				85			1			1						
STH 136 SB	Hatchery Rd/Capenter St				90			1			1					158	
	Turner Water Care				120			2			1						
	Sauk Ave				160			2			1					178	
	Starbucks				60			1			1						
	Oreillys Auto Part				60			1			1						
	South Blvd				100	260		4				56				190	
STH 136 SB	Walmart				80			1			1						
	Menards				145			1			1						
	Mine Rd				80			1			1						
	TOTAL	24610	24610	3400	2855	1847	16	42	5	4	20	213	132	100	260	1373	208

DANE COUNTY USH 151 MADISON TO WAUPAN Part 1		646.2020 Line Epoxy 6-In			646.4020 Line Epoxy 10-In		SPV.0090.01 Marking Line Black Epoxy 6-Inch Lane Line	646.5020 Arrow Epoxy White		646.5120 Word Epoxy White	646.6120 Stop Line Epoxy 18-Inch White		646.7420 6-IN Crosswalk White	
ROUTE	Nearest Crossroad	Yellow Edgeline Left LF	White Edgeline Right LF	Lane Line LF	Mainline LF	Ramp LF	Black LF	Type 2 EACH	Type 3 EACH	Only EACH	Mainline LF	Interchanging Roadway LF	Mainline LF	Interchanging Roadway LF
USH 151 NB	East Spring Dr (Madison) to Main St (Spring Green)	20592	20592	10300			10300							
	IH 39 SB On Ramp	2010	1805		380									
	IH 39 SB Off Ramp	1625	1625		390									
	IH 39 NB On Ramp	1490	1490		320									
	IH 39 NB Off Ramp	2044	2044		440									
	Nelson Rd Off Ramp	590	1306		680									
	American Pkwy Off Ramp	959	1352		525									
	Nelson/American On Ramp	840	2751		1925	120								
	Reiner Rd Off Ramp	863	1343		722	702		4	5	2	56	72		
	Reiner Rd On Ramp	1023	2239		1596								100	24
	West Main St Off Ramp	893	1415		962	845		4	2	2	44	84	88	170
	West Main St On Ramp	620	1747		1206	156							94	
USH 151 SB	Main St (Spring Green) to East Spring Dr (Madison)	20592	20592	10300			10300							
	West Main St Off Ramp	784	2075		583	105		2	2	1	35	78	70	196
	West Main St On Ramp	655	1501		2604	329							50	
	Reiner Rd Off Ramp	900	1365		727	830					45	99	90	
	Reiner Rd On Ramp	956	1977		1513	607		1	1					
	Nelson/American OFF Ramp	2255	3484		386									
	American Pkwy ON Ramp	2160	3180		1170	120								
	Nelson Rd On Ramp	1706	1970		245	558								
	IH 39 NB Off Ramp	2155	2155		564									
	IH 39 NB On Ramp	1638	1638		434									
	IH 39 SB Off Ramp	1605	1605		311									
	IH 39 SB On Ramp	3780	3780		890									
SUBTOTAL		72735	85031	20600	18573	4372	20600	11	10	5	180	333	492	390
DO NOT PAINT TAPE LANE LINES														

3

3

DANE, COLUMBIA, AND DODGE COUNTIES
USH 151
MADISON TO WAUPAN Part 2

ROUTE	Nearest Crossroad	646.2020 Line Epoxy 6-In		Lane Line	646.4020	SPV.0090.01 Marking Line Black Epoxy 6-Inch Lane Line	646.5020	646.5120	646.6120		646.7420	
		Yellow	White		Line Epoxy 10-In		Arrow Epoxy White	Word Epoxy White	Stop Line Epoxy 18-Inch White		6-IN Crosswalk	
		Edgeline Left	Edgeline Right		Ramp		Type 2	Only	Mainline	Interchanging Roadway	Mainline	Interchanging Roadway
		LF	LF	LF	LF	LF	EACH	EACH	LF	LF	LF	LF
USH 151 NB	Main St (Sun Prairie) to Beaverland Parkway	141560	141560			35400						
	STH 19 Off Ramp	895	1637		435				34	57	68	
	STH 19 On Ramp	715	1950		105							
	Bristol St Off Ramp	798	1476		542				40	68	80	
	Bristol St On Ramp	908	2033								76	
	Twin Lane Rd/CTH VV Off Ramp	1272	1831		70				32			
	Twin Lane Rd/CTH VV Off Ramp	1582	2850									
	CTH V Off Ramp	1360	2150		180				36			
	CTH V On Ramp	820	2020									
	STH 73 Off Ramp	1460	2480		160				38			
	STH 73 On Ramp	1190	2508		110							
	STH 16 Off Ramp	1212	2142				4	2	45		90	97
	STH 16 On Ramp	1302	2510								92	
	STH 73 Off Ramp	1110	2040		140						45	
	STH 73 On Ramp	1302	2412									
USH 151 SB	Beaverland Parkway to Main St (Sun Prairie)	141560	141560	5221		35400						97
	STH 73 Off Ramp	1100	2164						45			
	STH 73 On Ramp	1095	2390									
	STH 16 Off Ramp	1337	2400		324		4	2	51		102	
	STH 16 On Ramp	1216	2312								106	
	STH 73 Off Ramp	1450	2481		150				41			
	STH 73 On Ramp	1000	2575		110							
	CTH V Off Ramp	1437	2238		200				38			
	CTH V On Ramp	936	2380		200							
	Twin Lane Rd/CTH VV Off Ramp	1095	1470		140				45			
	Twin Lane Rd/CTH VV Off Ramp	2370	2760									
	Bristol St Off Ramp	725	1573		135				41		82	
	Bristol St On Ramp	732	1097								65	
	STH 19 Off Ramp	996	1883		133				28	50		
	STH 19 On Ramp	560	1675		85							
SUBTOTAL		315095	342557	5221	3219	70800	8	4	514	175	806	194

DO NOT PAINT OVER TAPE LANE LINES OR GORES

PROJECT NO: 1009-13-91

HWY: USH 151

COUNTY: VARIOUS

MISCELLANEOUS QUANTITIES

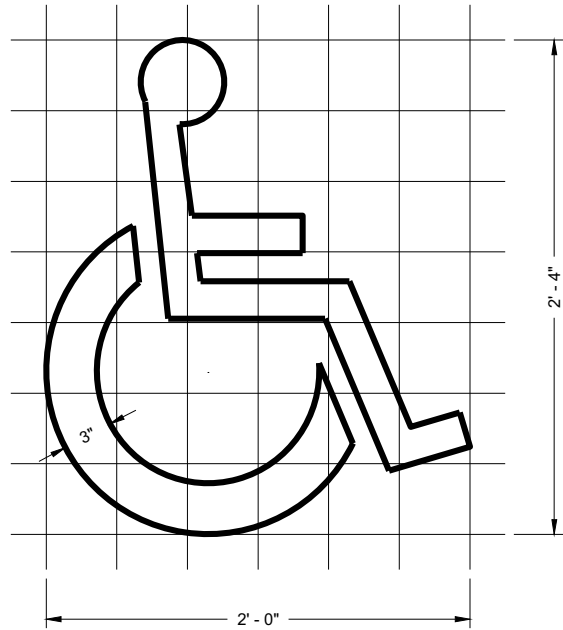
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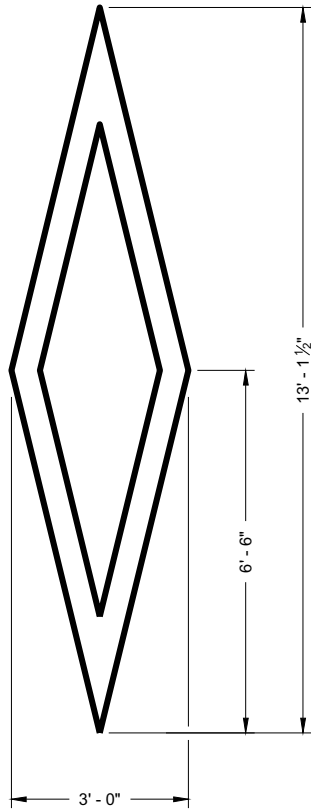
DODGE COUNTY USH 151 MADISON TO WAUPAN Part 3		646.2020 Line Epoxy 6-In			646.4020 Line Epoxy 10-In				SPV.0090.01 Marking Line Black Epoxy 6-Inch Lane Line	646.5020 Arrow Epoxy White		646.5120 Word Epoxy White	646.6120 Stop Line Epoxy 18-Inch		646.5320 Railroad Marking Epoxy White	SPV.0090.02 Marking Stop Line Epoxy 24-In White
ROUTE	Nearest Crossroad	Yellow	White		Mainline	Ramp	White		Black	Type 1	Type 2	Only	Mainline	Interchanging Roadway	Mainline	Mainline
		Edgeline Left	Edgeline Right	Lane Line			Left Lane	Right Lane								
		LF	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	LF	LF	EACH	LF
USH 151 NB	Beaverland Parkway to 1/2 Mile South of STH 49	92664	92664	23175					23175							
	Creekside Storage Railroad						205								2	12
	CTH D Off Ramp	826	1258		657								39			
	CTH D On Ramp	900	2075		850											
	CTH G Off Ramp	842	1369		663								30			
	CTH G On Ramp	870	2178		1350											
	STH 33 Off Ramp	1060	1606		660	165							37			
	STH 33 On Ramp	885	2230		1670											
	Industrial Dr Off Ramp	969	1495										49			
	CTH B Off Ramp	948	1430										48	54		
	CTH B On Ramp	1073	2389													
	CTH A Off Ramp	810	1342										43			
	CTH A On Ramp	1261	2657													
	Walnut Rd							98								
	Breeze Point Rd						110	128								
	Redwood Rd						120	120								
USH 151 SB	CTH C						90	125								
	Oakwood Rd						110	110								
	Frontage Rd N						71									
	Frontage Rd S/CTH M	2967	3511		683											
	Railroad				1550										2	12
	STH 26 Off Ramp	867	1296			110										
	STH 26 On Ramp	1218	2707			100										
	1/2 Mile South of STH 49 to Beaverland Parkway	92664	92664	23175					23175							
	STH 26 Off Ramp	880	1331		100	150							46			
	STH 26 On Ramp	1023	2373		70											
	Railroad				1580										2	12
	CTH M (Business 151)On Ramp	1502	2857		1485											
	Frontage Rd S						90									
	Oakwood Rd						105	110								
	CTH C						95	125								
	Redwood Rd						120	130								
	Breeze Point Rd						110	120								
USH 151 SB	CTH A Off Ramp	902	1425										40			
	CTH A On Ramp	1235	1905													
	CTH B Off Ramp	915	1385			366				2	4	3	64	87		
	CTH B On Ramp	785	2205	350												
	Industrial Dr On Ramp	1085	2413			1382										
	STH 33 Off Ramp	830	1550			754							33			
	STH 33 On Ramp	861	2237			1527										
	CTH G Off Ramp	1112	1843			672							37			
	CTH G On Ramp	809	1959			1299										
	CTH D Off Ramp	1013	1530			781							43			
	CTH D On Ramp	917	1845			1447										
	Railroad														2	12
	Creekside Storage							205								
	SUBTOTAL	214693	239729	46700	11318	8753	1226	1271	46350	2	4	3	509	141	8	48
	Total	602523	667317	72521	29891	16344	1226	1271	137750	2	23	12	1203	649	8	48

Standard Detail Drawing List

15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15D	ROUNDBABOUT ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C09-13A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C09-13B	TRUCK STOPPING LANE PAVEMENT MARKINGS
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C14-04	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C18-09A	MEDIAN ISLAND MARKINGS
15C18-09C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C19-09A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-09B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-09C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C20-02	YIELD MARKING
15C31-07A	PAVEMENT MARKING EXIT RAMP AND PARALLEL EXIT RAMP
15C31-07B	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-07C	PAVEMENT MARKING ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP
15C31-07D	PAVEMENT MARKING LANE DROP AND LANE REDUCTION
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15C35-06B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15C35-06C	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15D12-13A	TRAFFIC CONTROL, TAPERED ENTRANCE 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
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D37-03	TRAFFIC CONTROL, 2-LANE ROUNDBABOUT
15D43-02	TRAFFIC CONTROL, SHORT DURATION MOBILE OPERATIONS
15D50-03A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-03B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY



HANDICAP SYMBOL



PREFERENTIAL
LANE SYMBOL

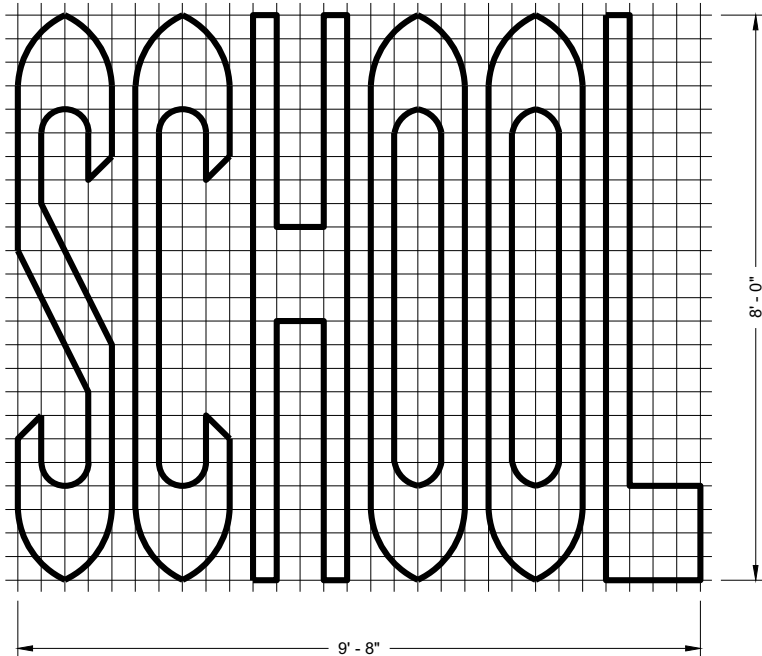
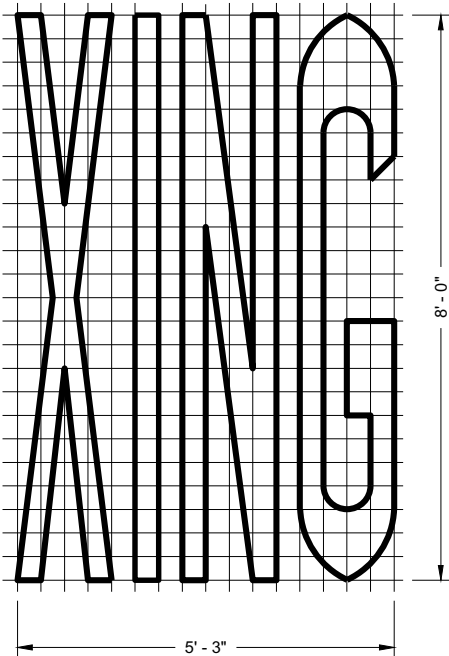
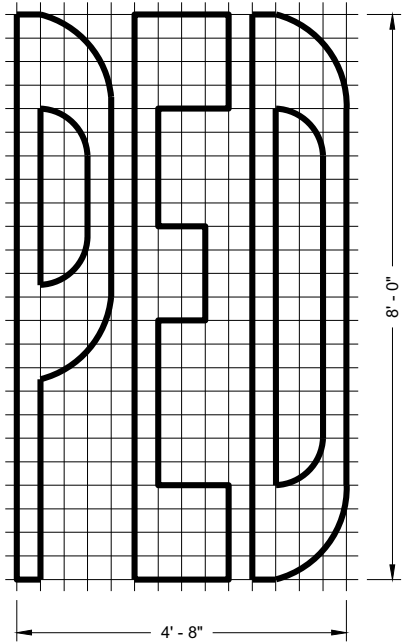
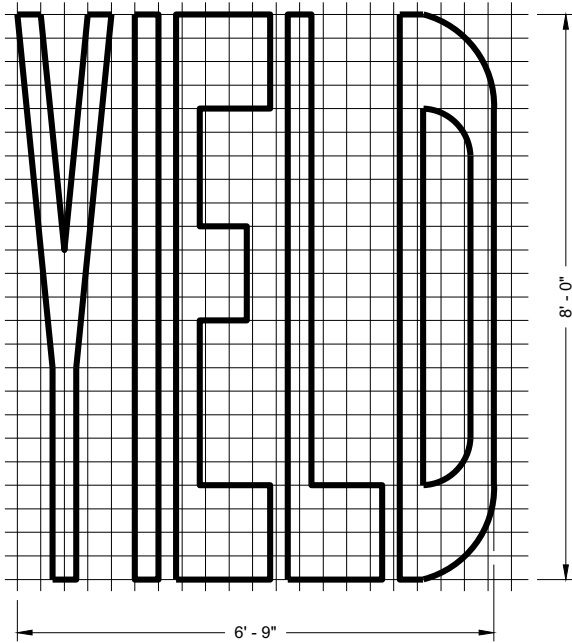
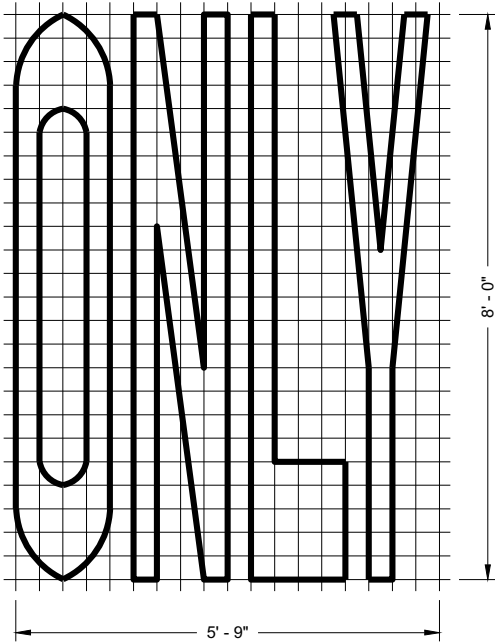
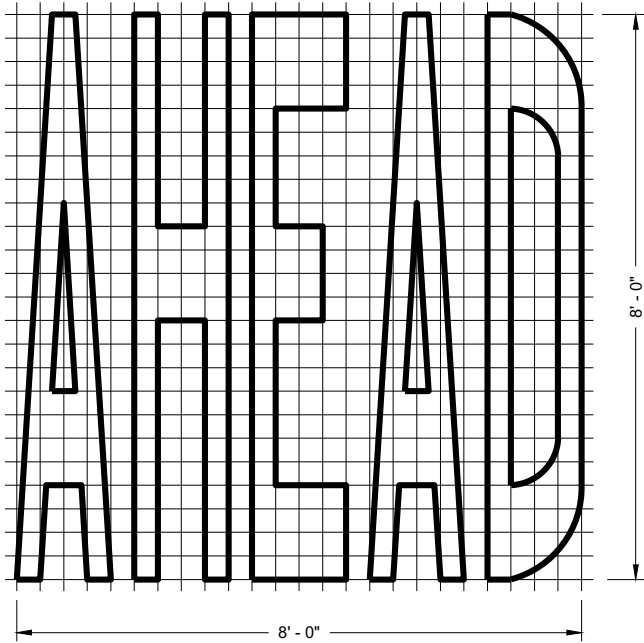
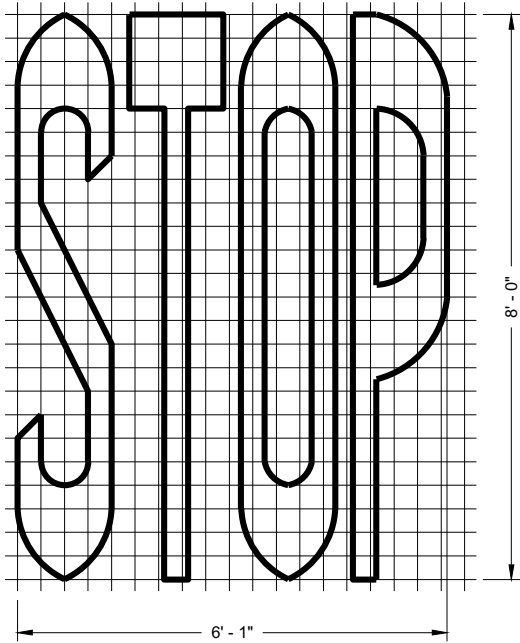
GENERAL NOTES

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

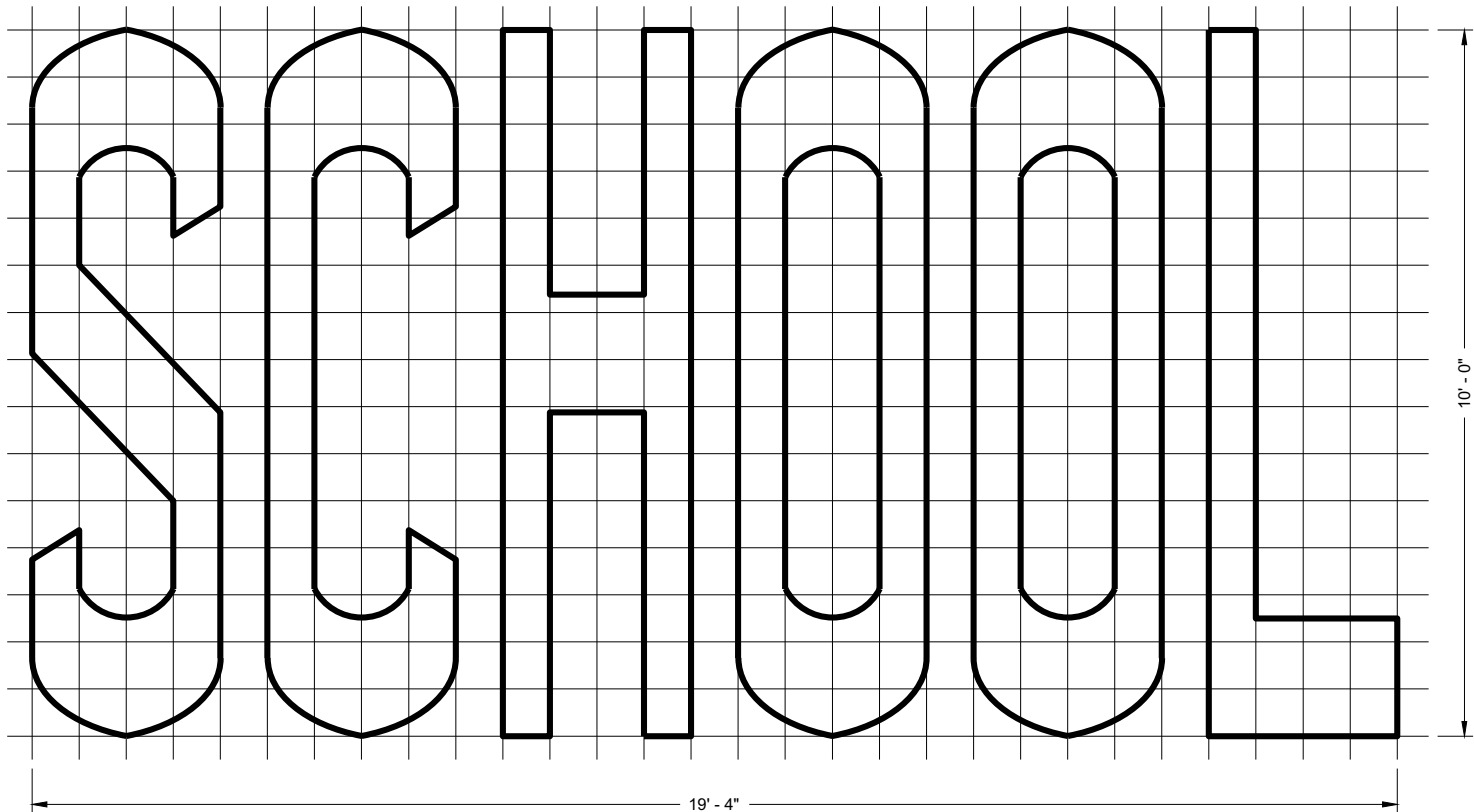
PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



SINGLE LANE



TWO - LANE

GENERAL NOTES

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

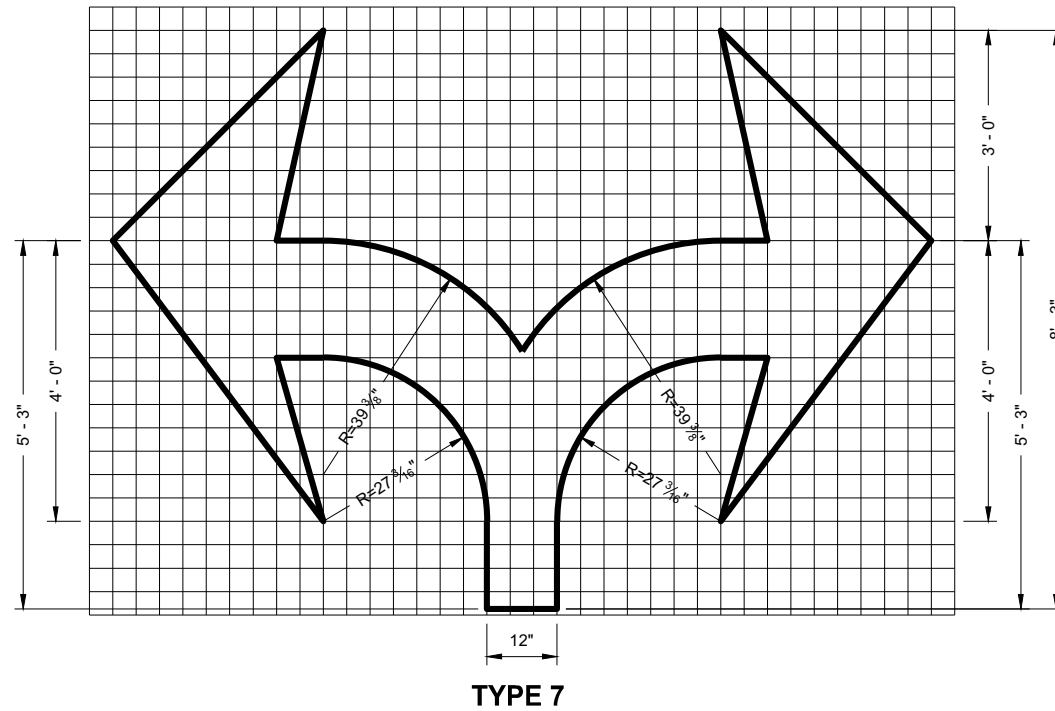
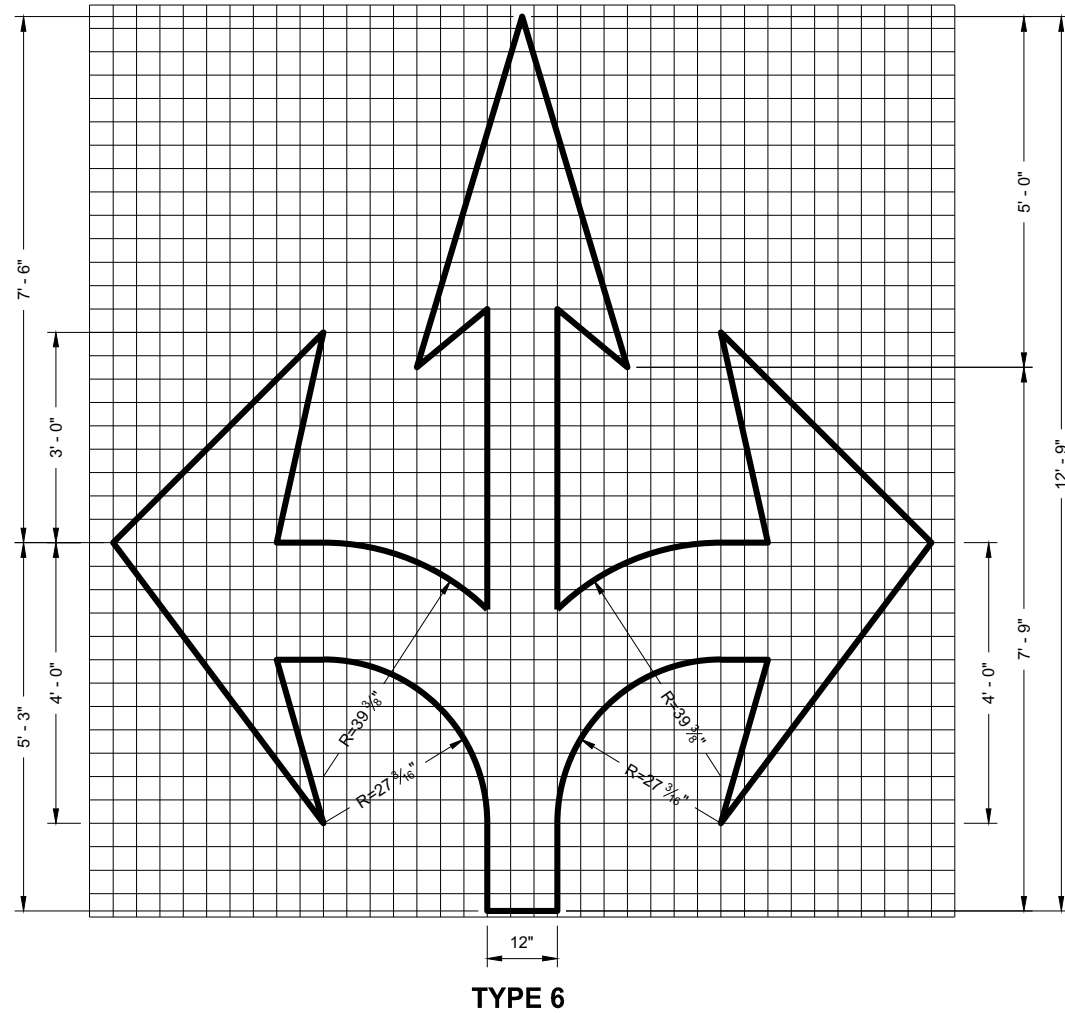
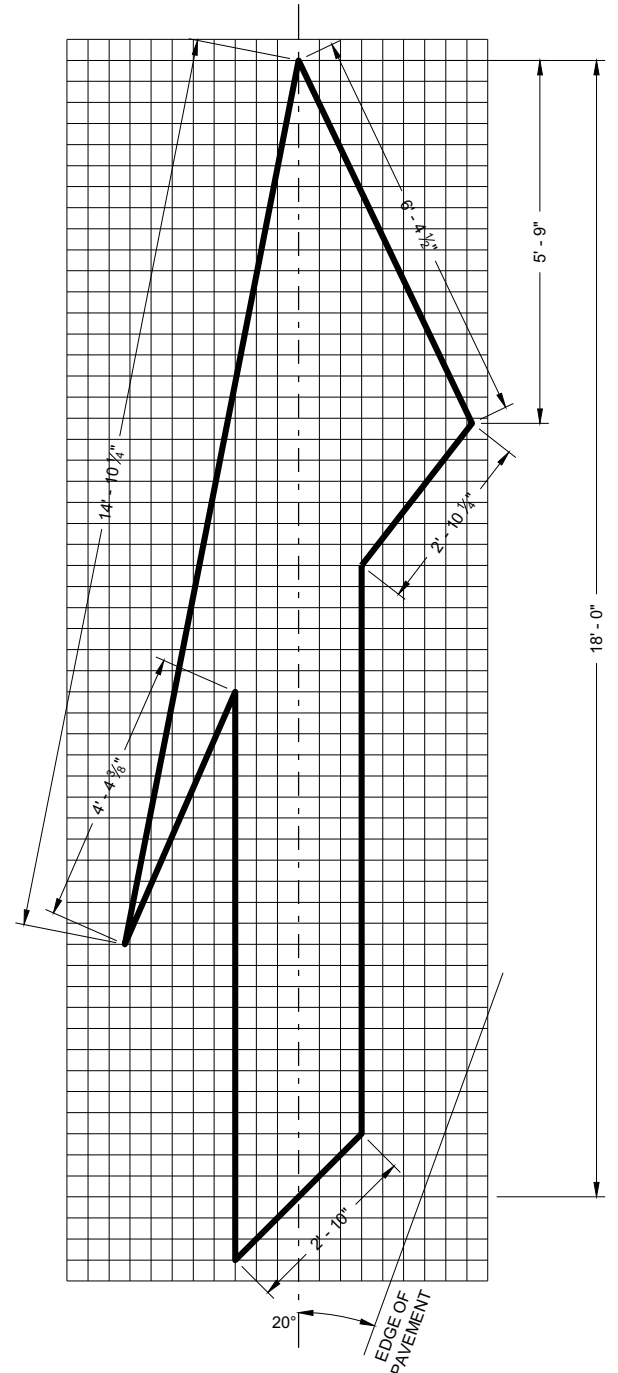
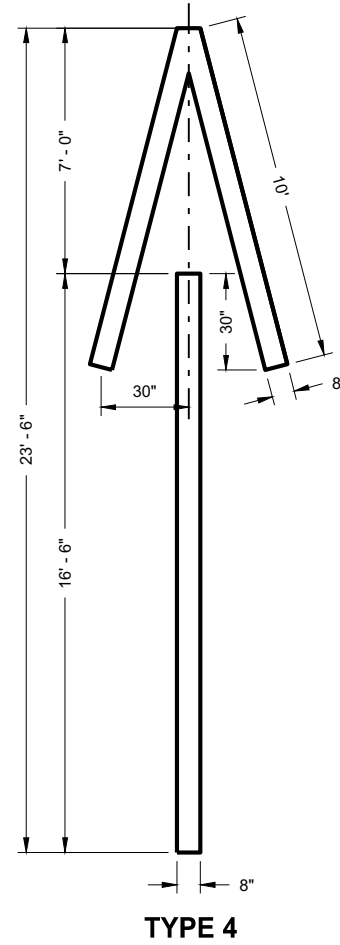
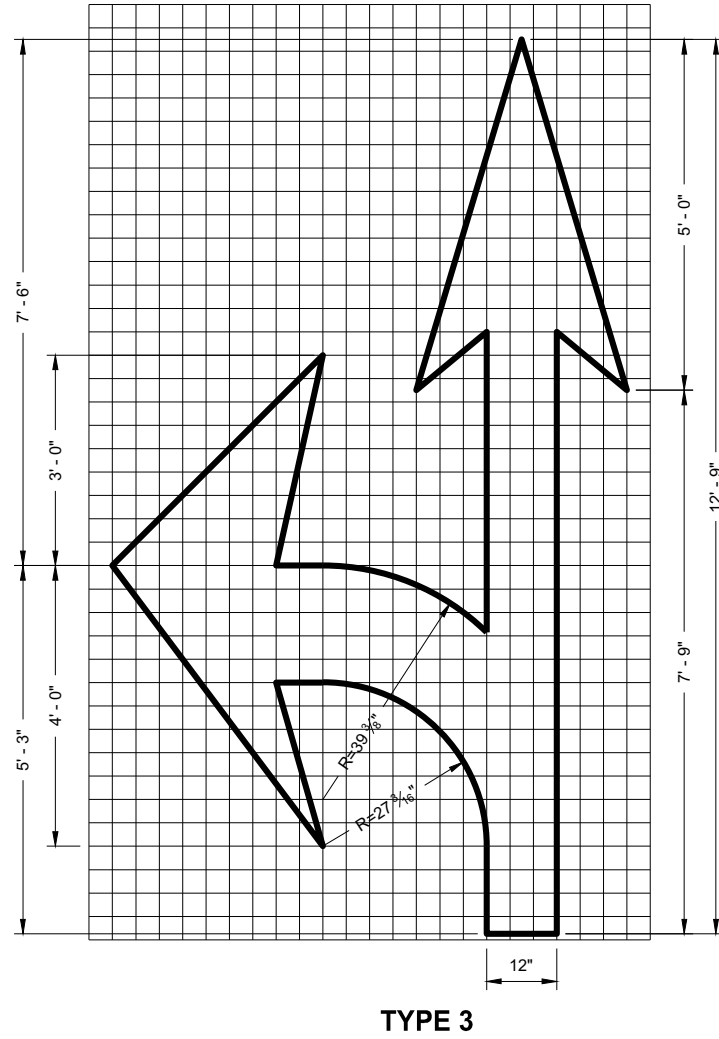
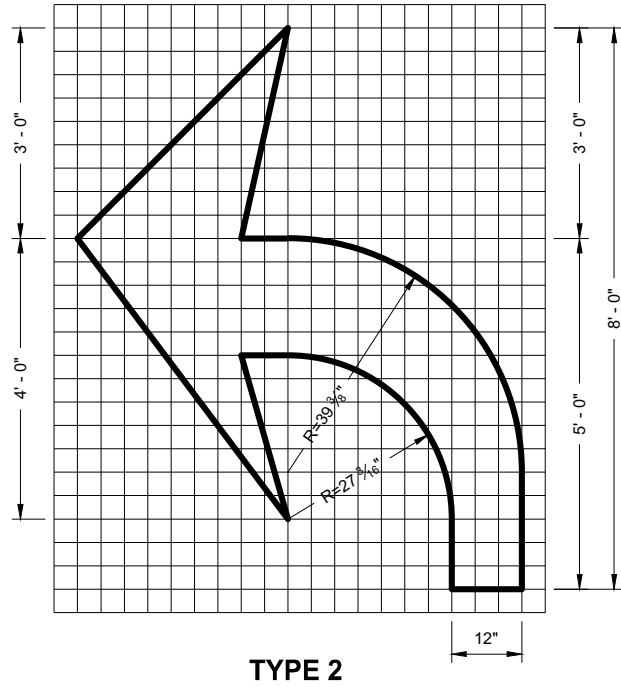
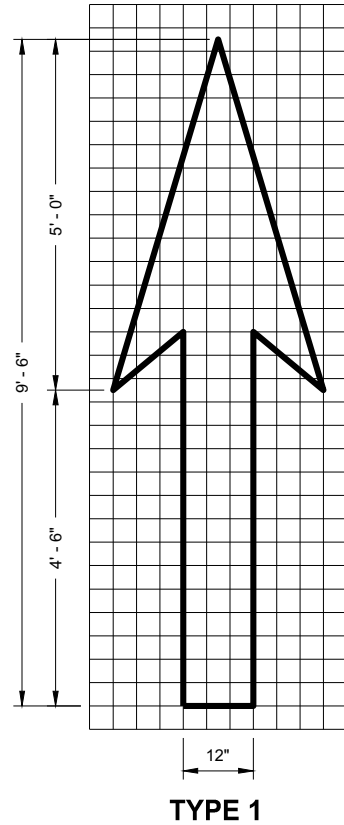
PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER

FHWA



GENERAL NOTES

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

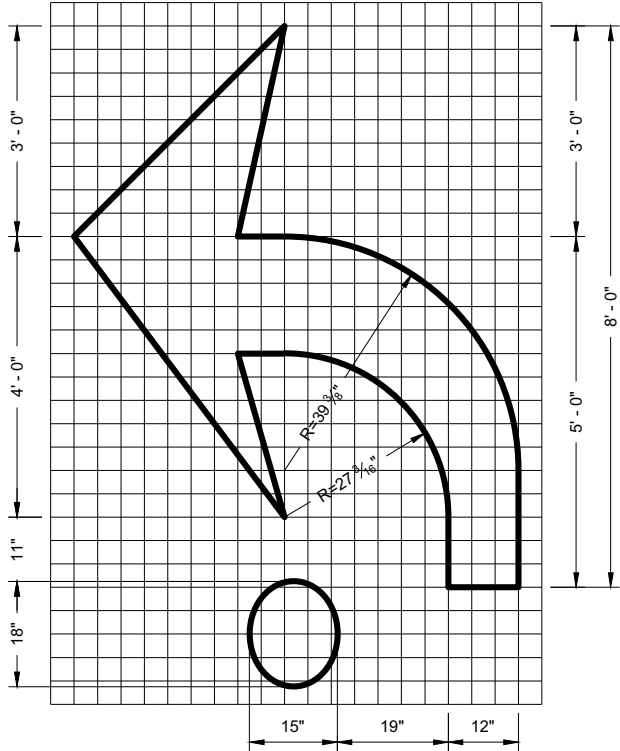
PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

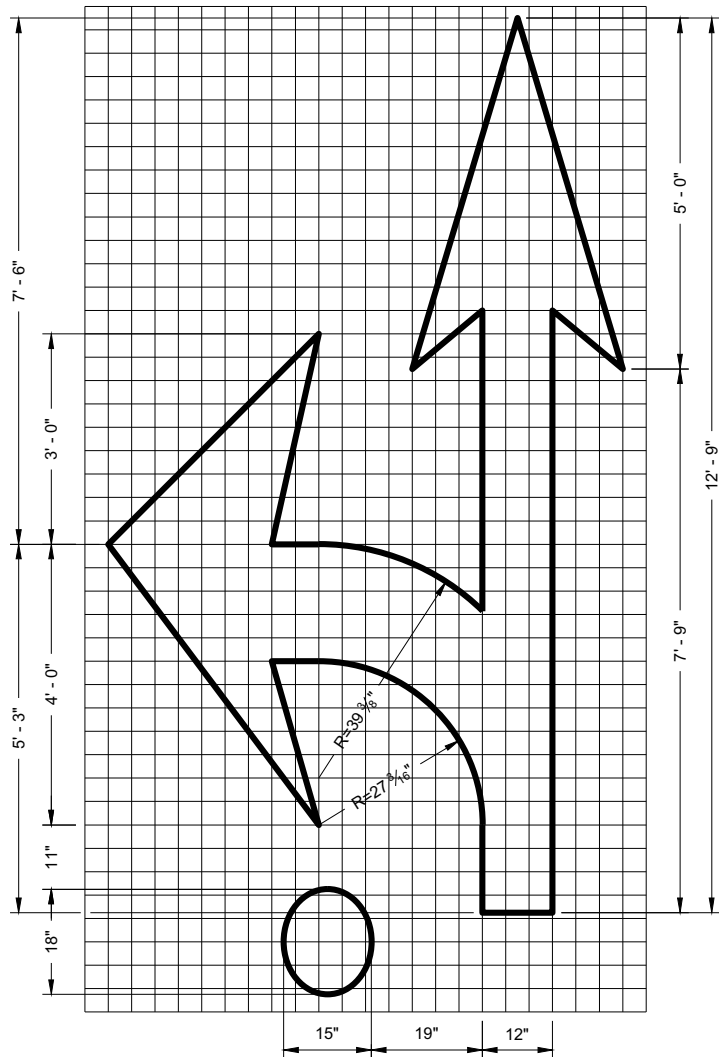
APPROVED
November 2019
DATE
/S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER
FHWA

GENERAL NOTES

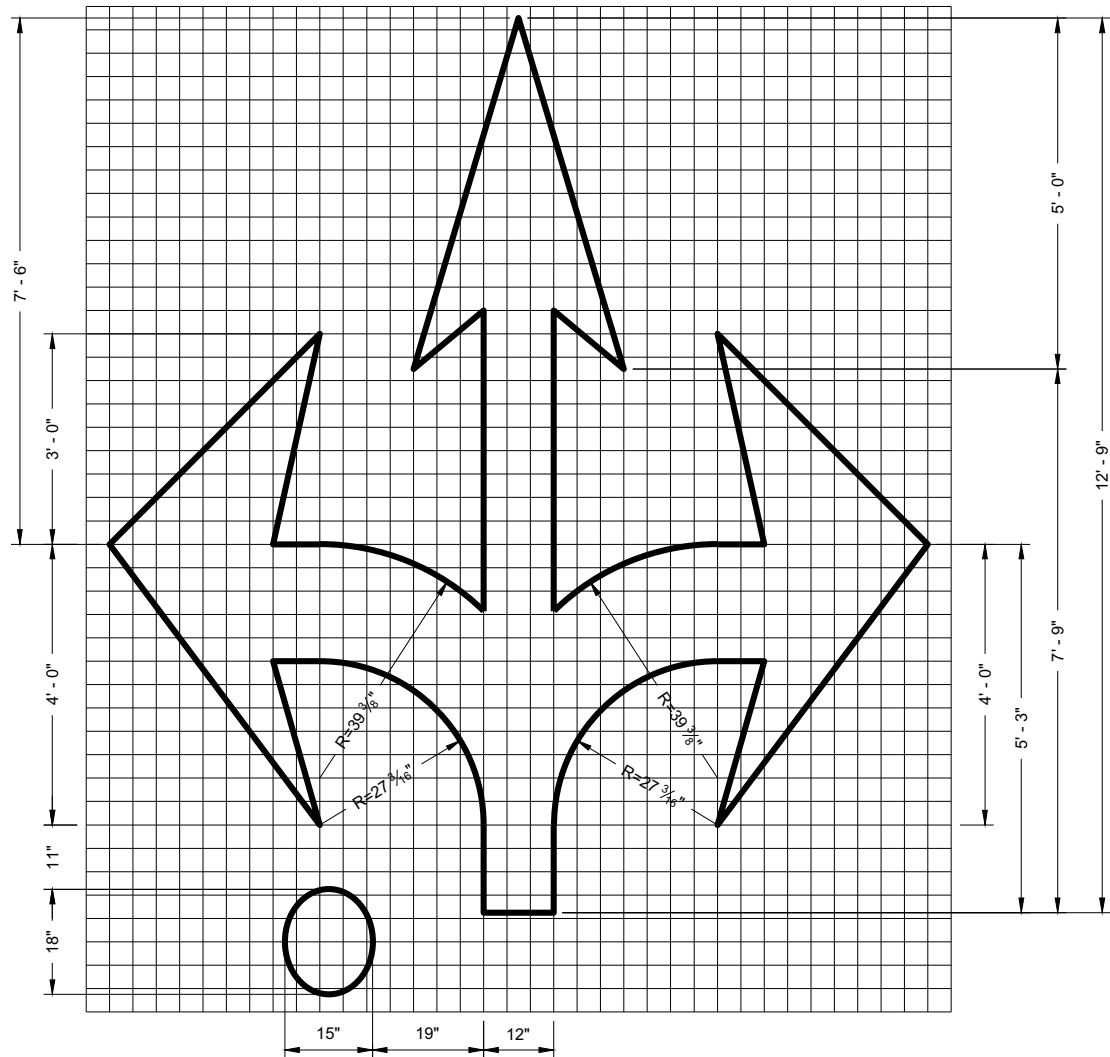
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



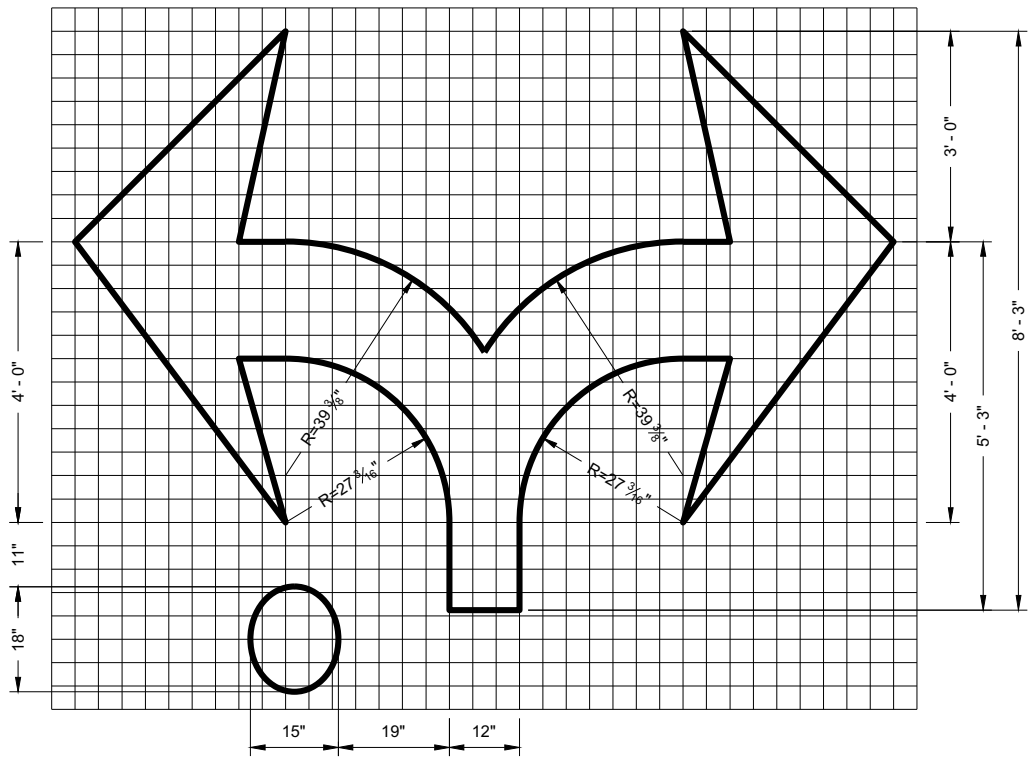
TYPE 2R



TYPE 3R



TYPE 6R



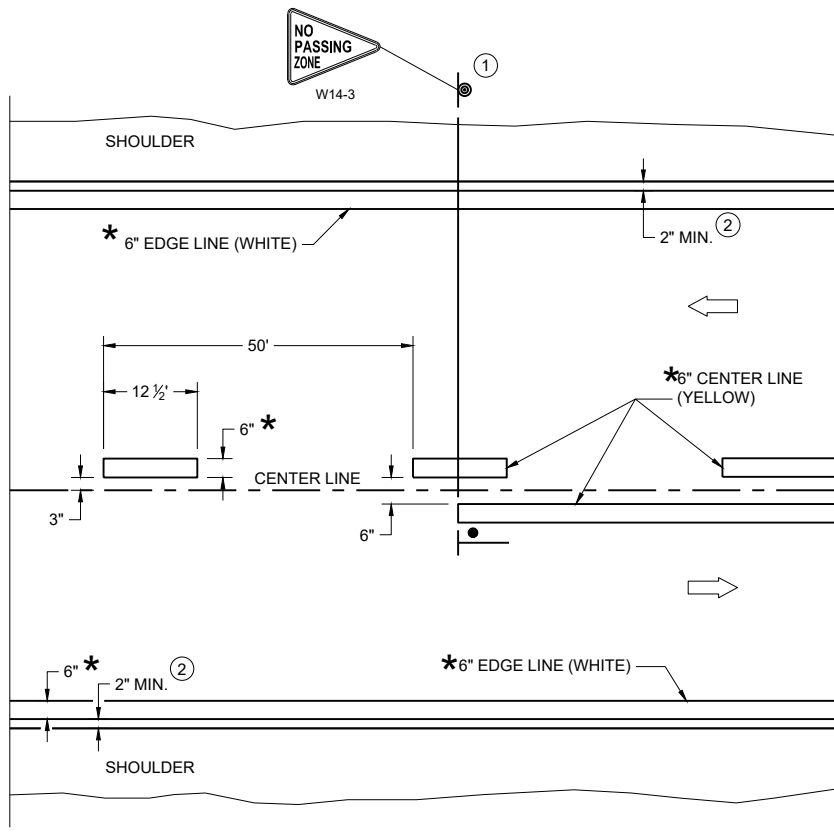
TYPE 7R

ROUNABOUT
MARKING ARROWS

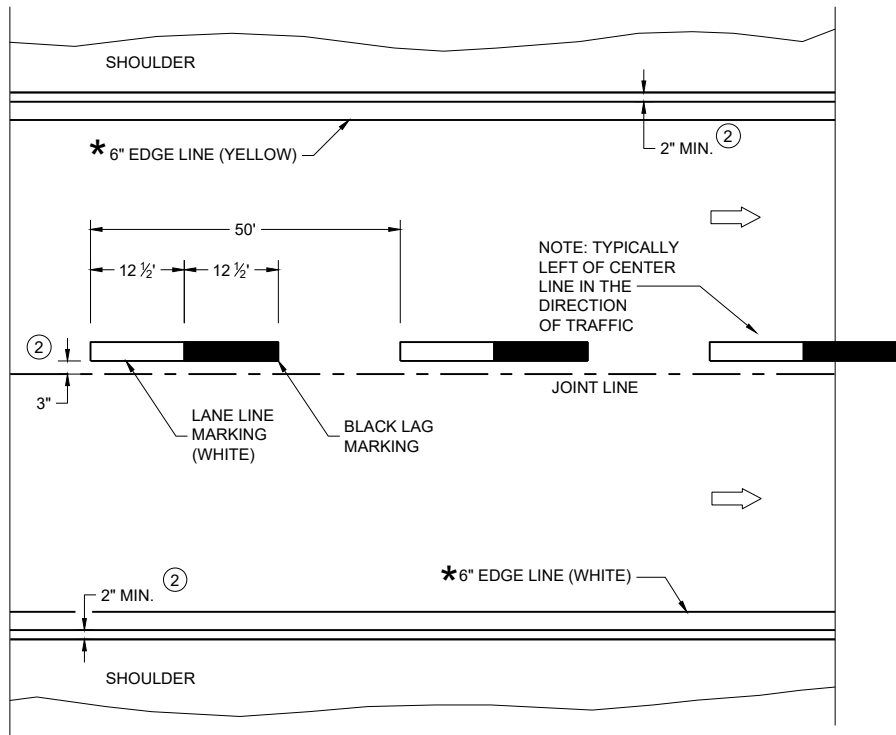
STATE OF WISCONSIN
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APPROVED
November 2019
DATE /S/ Matthew Rauch
STATE SIGNING AND MARKING
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TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

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

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

LEGEND

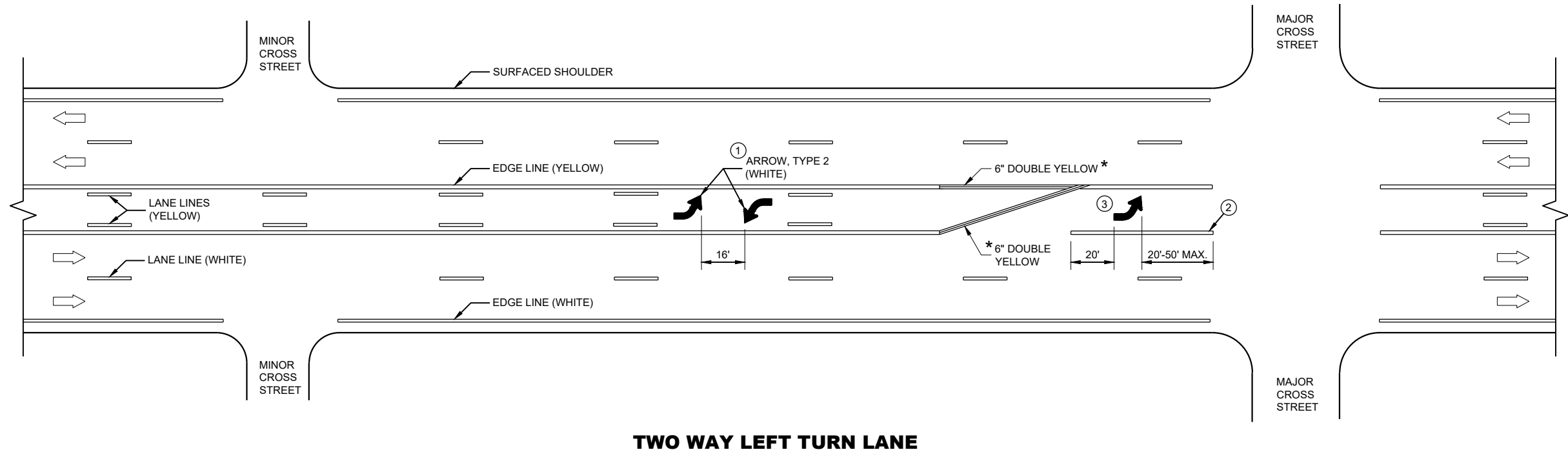
- "T" MARKING
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA



GENERAL NOTES

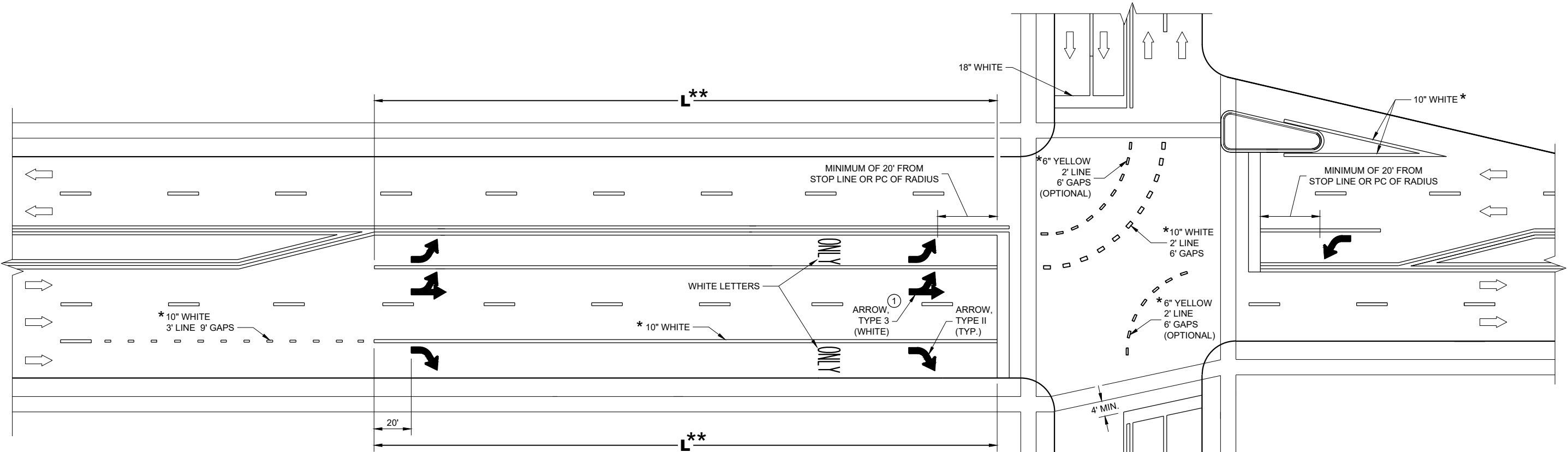
- ① A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- ② 10" WHITE
- ③ TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

➡ DIRECTION OF TRAFFIC

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

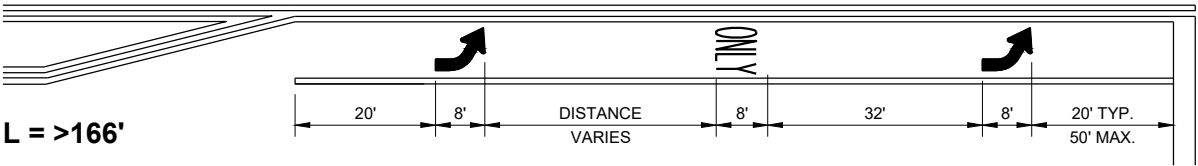
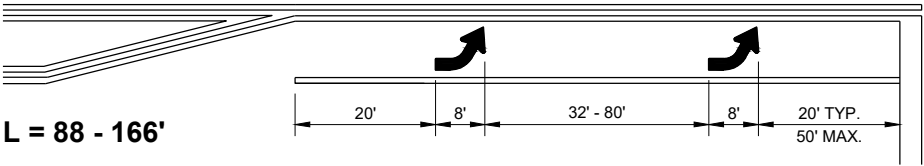
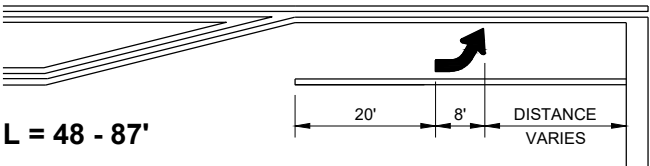
**PAVEMENT MARKING
(TURN LANES)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



TURN LANE OPTIONS

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



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

GENERAL NOTES

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

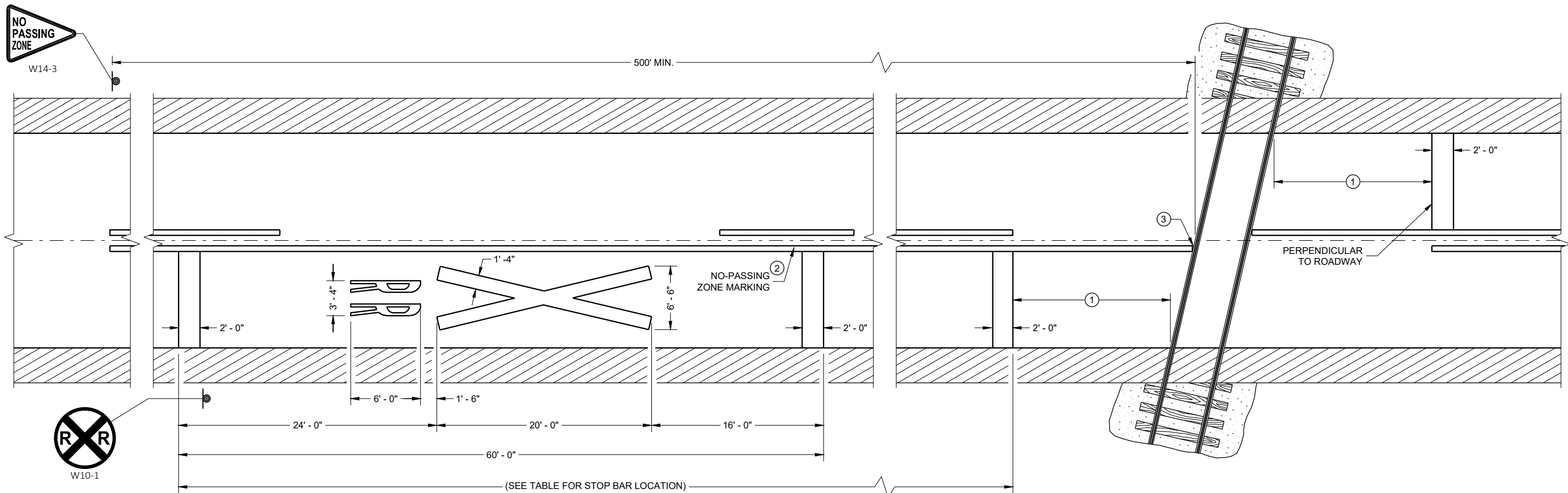
➡ DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING
(TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PAVEMENT MARKING

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

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

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

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

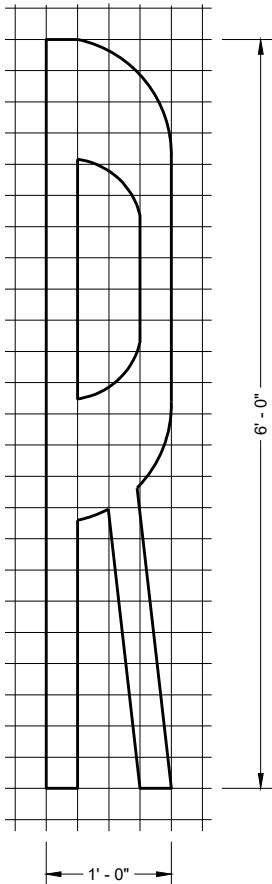
- ① PLACE STOP BAR APPROXIMATELY 8 FEET IN ADVANCE OF THE GATE (IF PRESENT), BUT NO CLOSER THAN 15 FEET IN ADVANCE OF THE NEAREST RAIL. FIELD-FIT STOP BAR TO MAXIMIZE VIEW OF APPROACHING TRAIN.
- ② 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE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

DISTANCE TABLE

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

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

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



SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

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

FHWA

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC

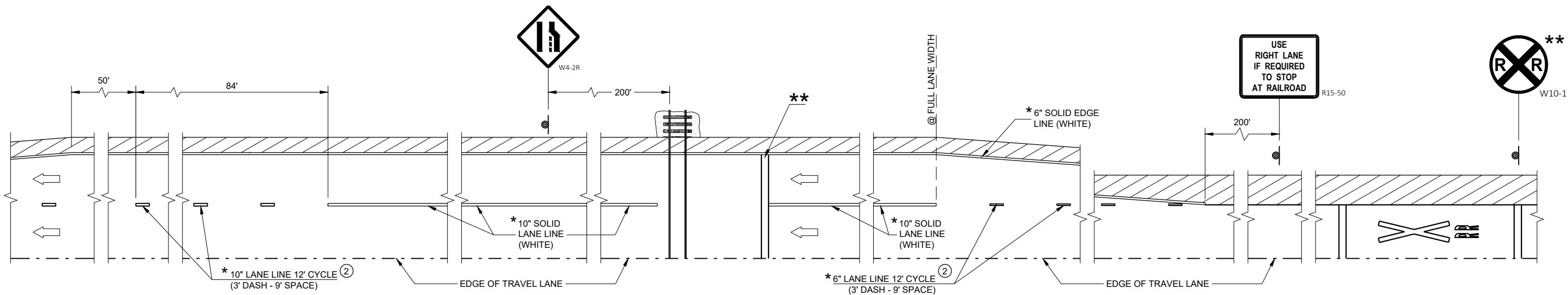
GENERAL NOTES

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

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

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

***** CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



DETAIL FOR TRUCK STOPPING LANE PAVEMENT MARKINGS

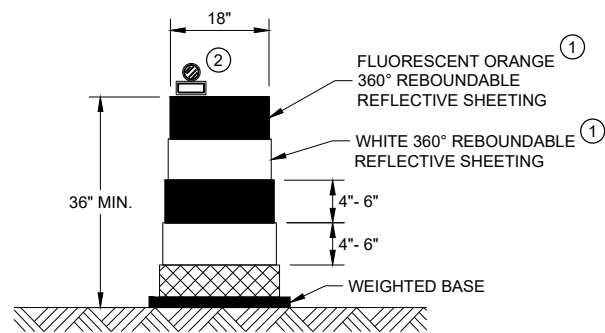
TRUCK STOPPING LANE
PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

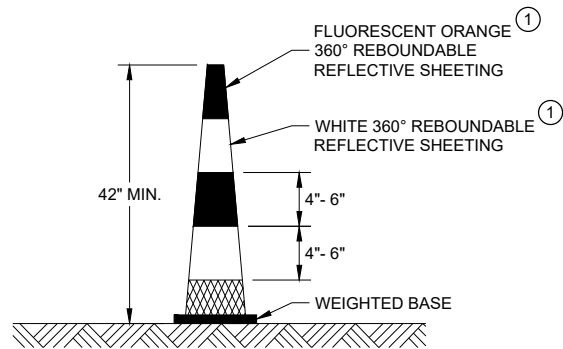
/S/ Matthew R. Rauch
STATE SIGNING AND MARKING
ENGINEER

FHWA



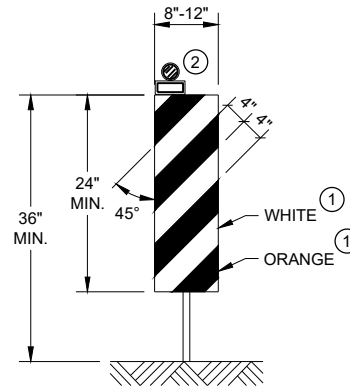
DRUM

BALLAST WIDTHS
RANGE FROM 24"-36"



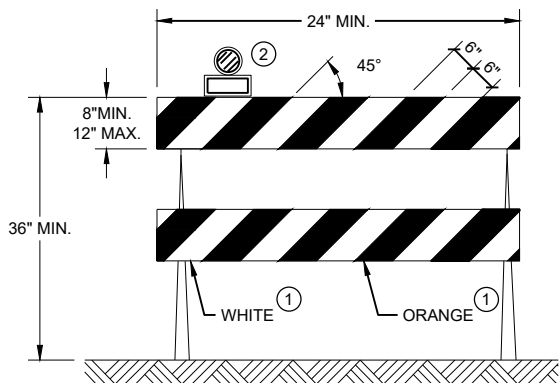
42" CONE

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



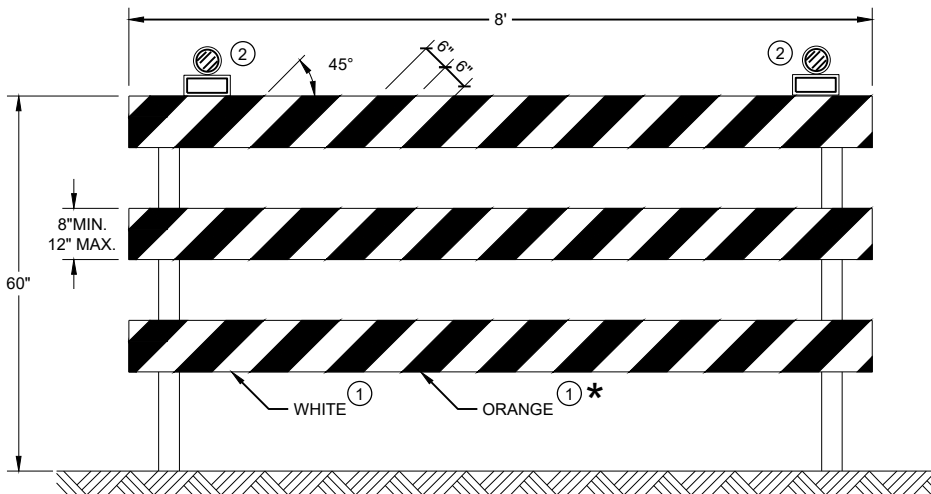
VERTICAL PANEL

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



TYPE 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

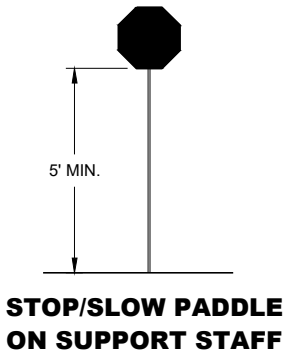
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- 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.

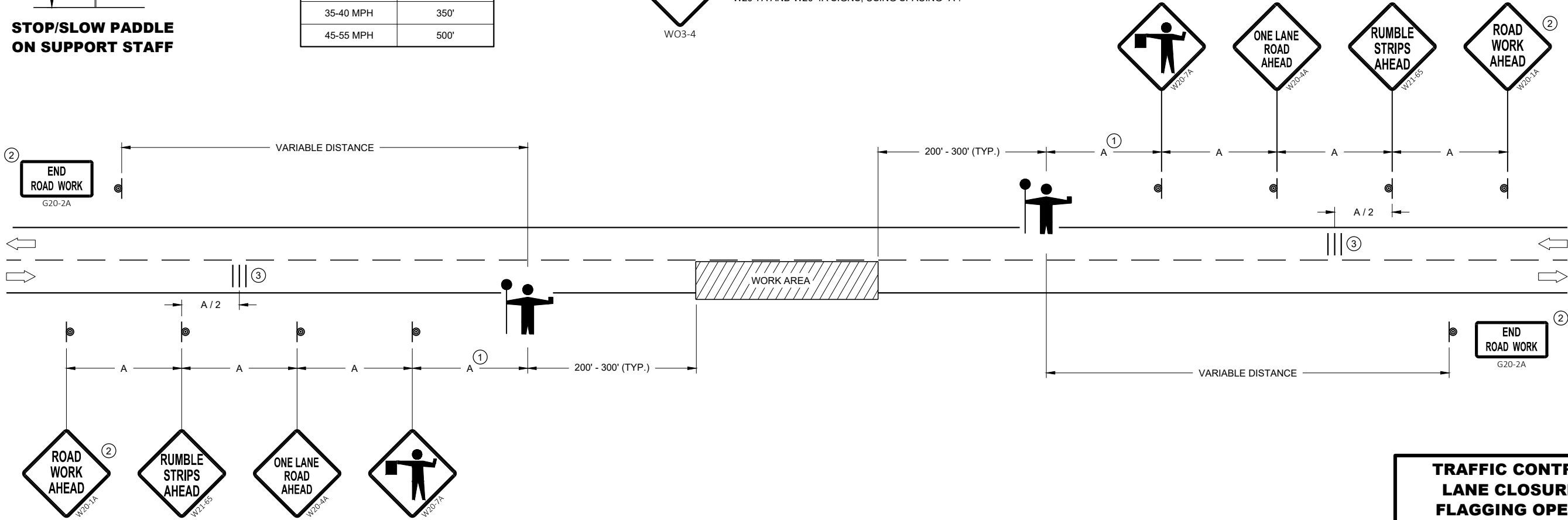


SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

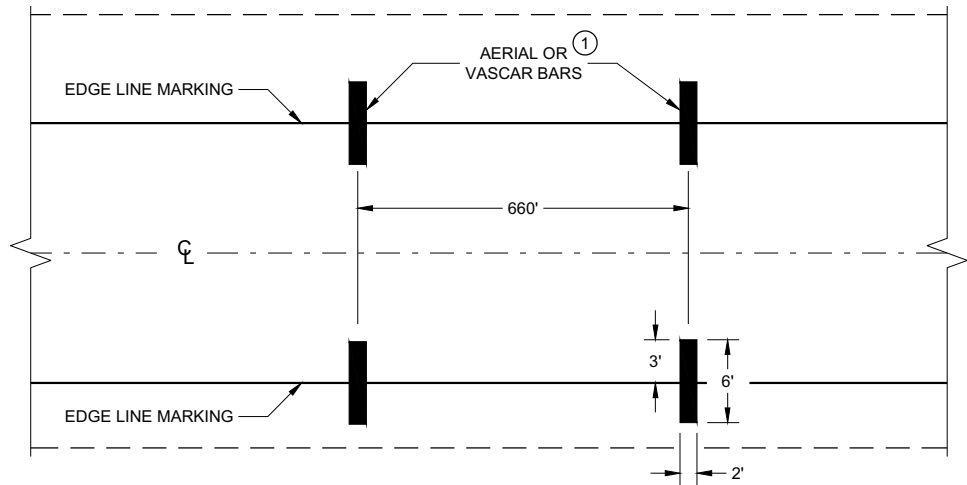
SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



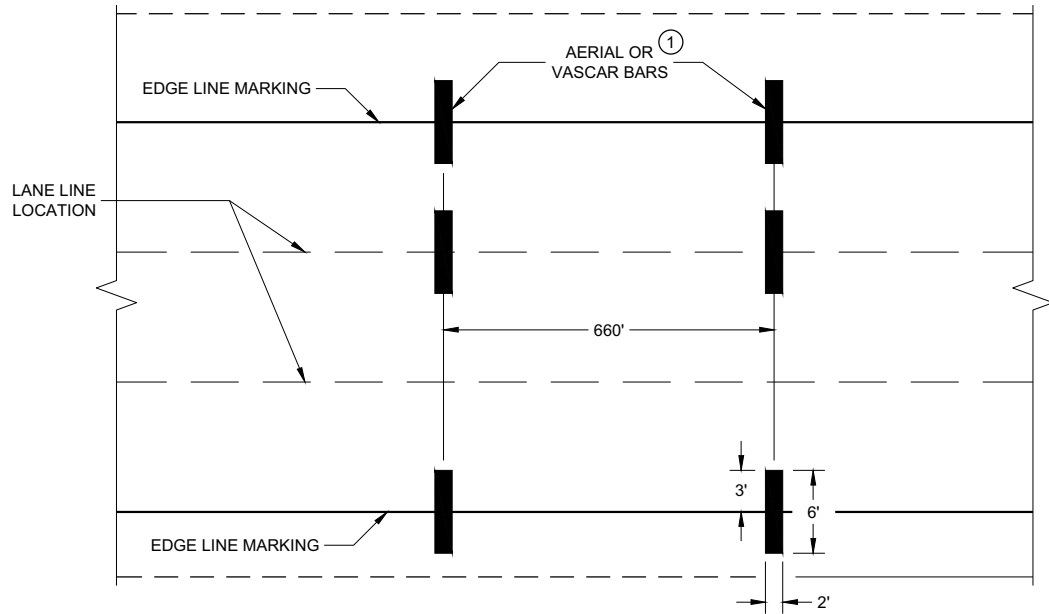
USE OF W03-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



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



TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC



TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

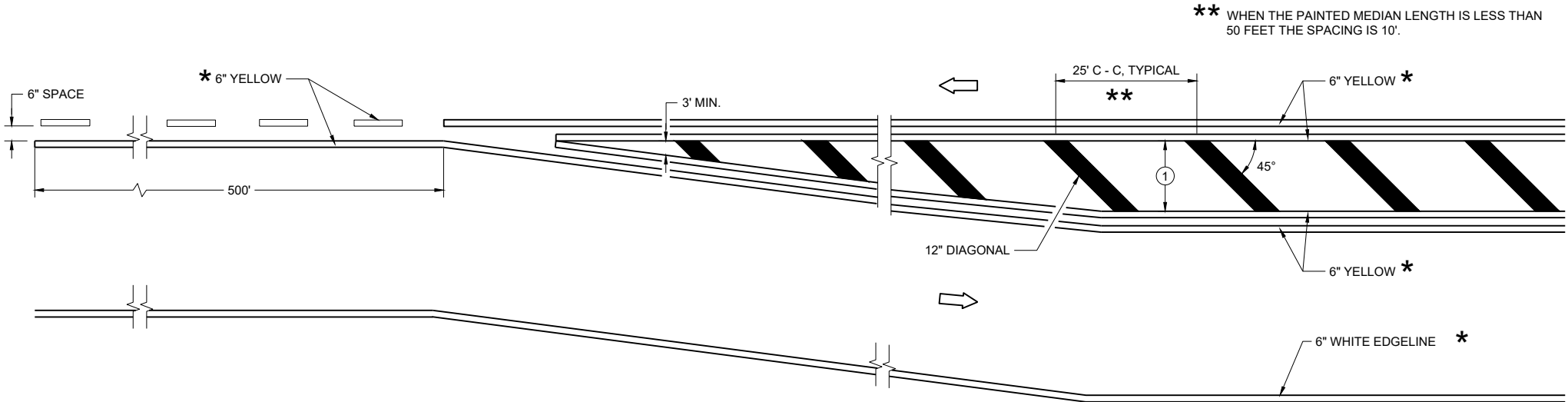
GENERAL NOTES

- ① PLACE TWO TO FIVE AERIAL OR VASCAR BARS AT 660 FOOT SPACING.
- A CAR CAN BE PROVIDED BY THE WISCONSIN STATE PATROL FOR TRAFFIC CONTROL.

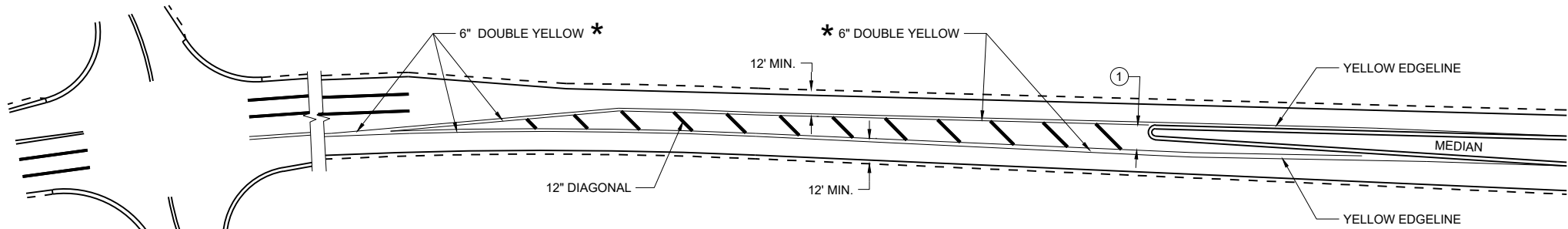
AERIAL ENFORCEMENT BARS
PAVEMENT MARKING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

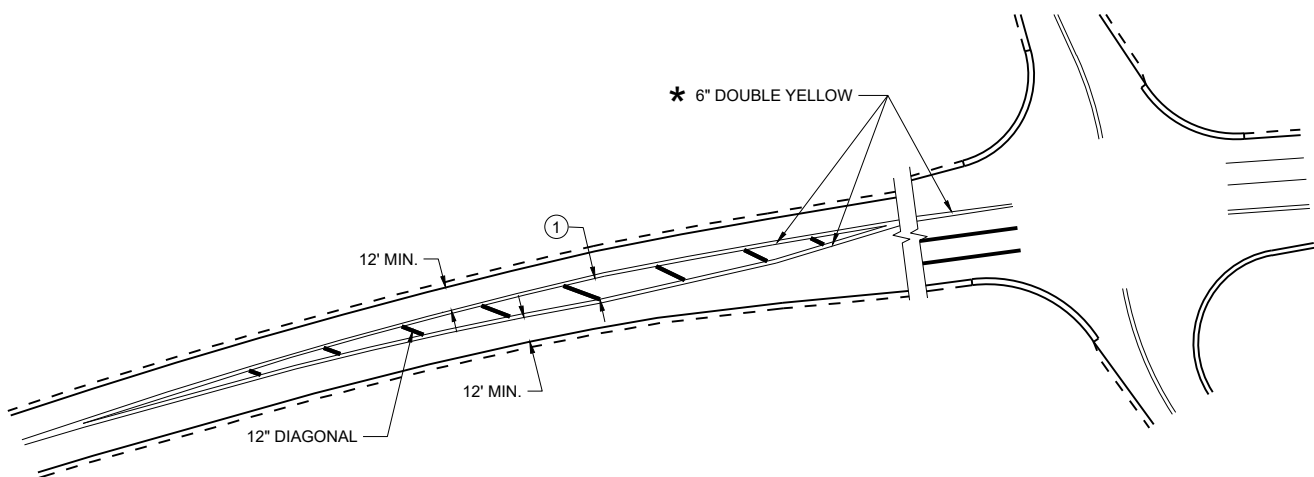
APPROVED
February 2021
DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MARKING
ENGINEER
FHWA



MEDIAN ISLAND DETAIL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

GENERAL NOTES

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

➡ DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

MEDIAN ISLAND
PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

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

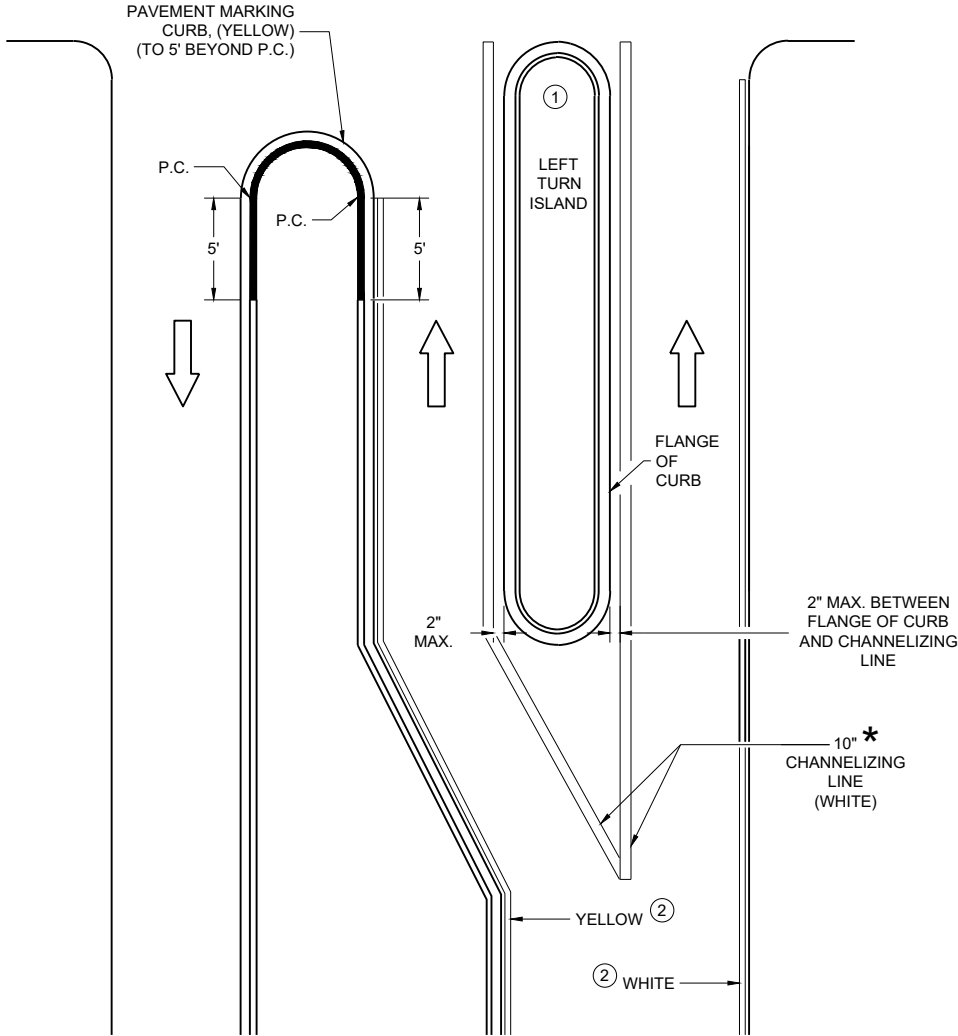
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

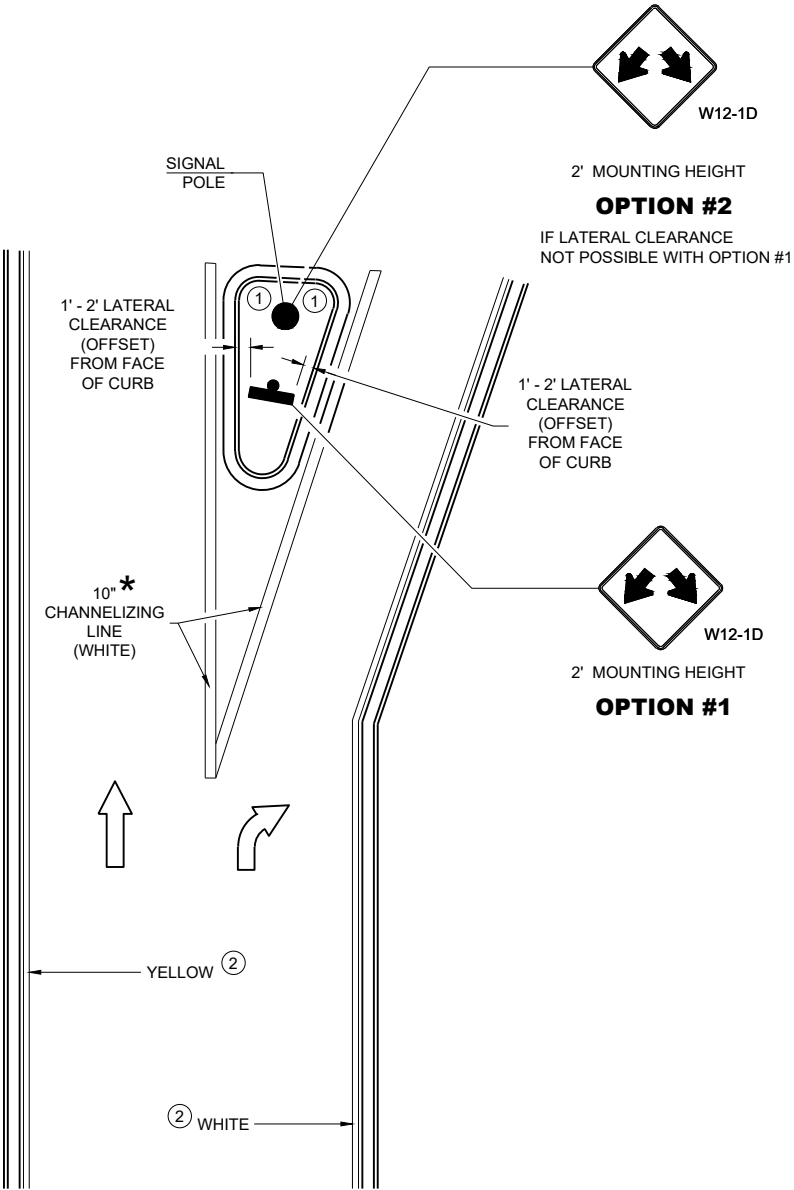
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.
SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

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

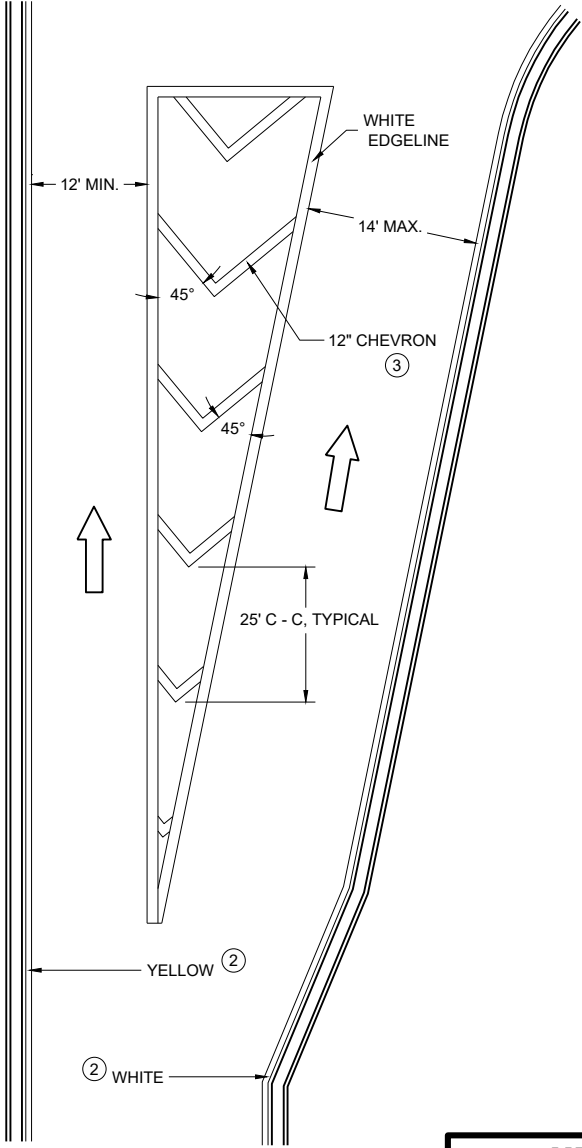
DIRECTION OF TRAVEL



LEFT TURN & MEDIAN ISLAND



RIGHT TURN ISLAND



TURN LANE DETAIL

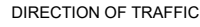
MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

V1	LEAD VEHICLE
V2	MARKING VEHICLE
V3	SHADOW VEHICLE



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

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

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

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

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

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

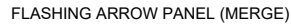
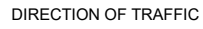
- ① SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY MAJOR INTERSECTION.
- ② IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.
- ③ V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



APPROVED
March 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

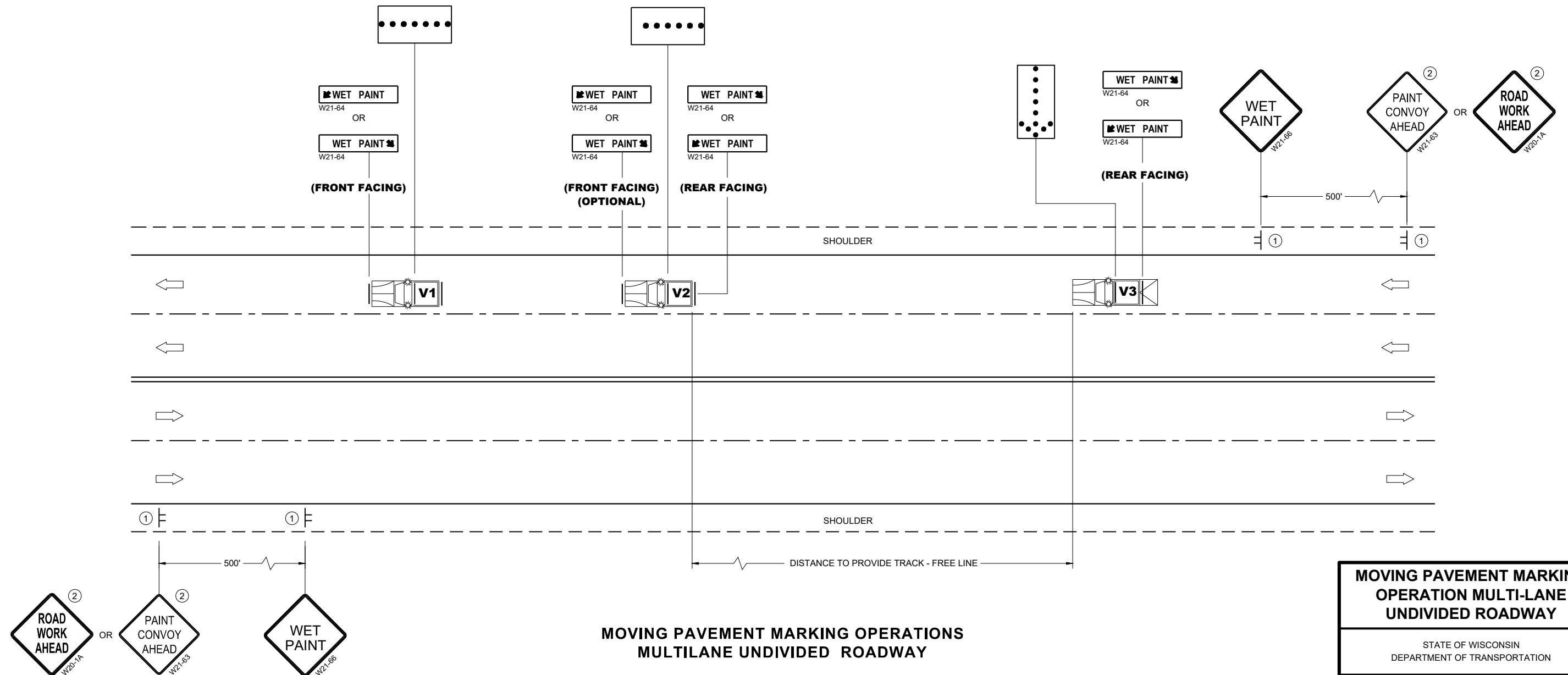
V1	LEAD VEHICLE
V2	MARKING VEHICLE
V3	SHADOW VEHICLE



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.

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

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

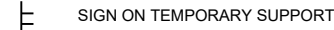


APPROVED	
March 2024	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER

SDD 15C19-9b

SDD 15C19-9b

V1	MARKING VEHICLE
V2	SHADOW VEHICLE
V3	TRAIL VEHICLE



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

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

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

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

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

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

- ① SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY ON RAMP.

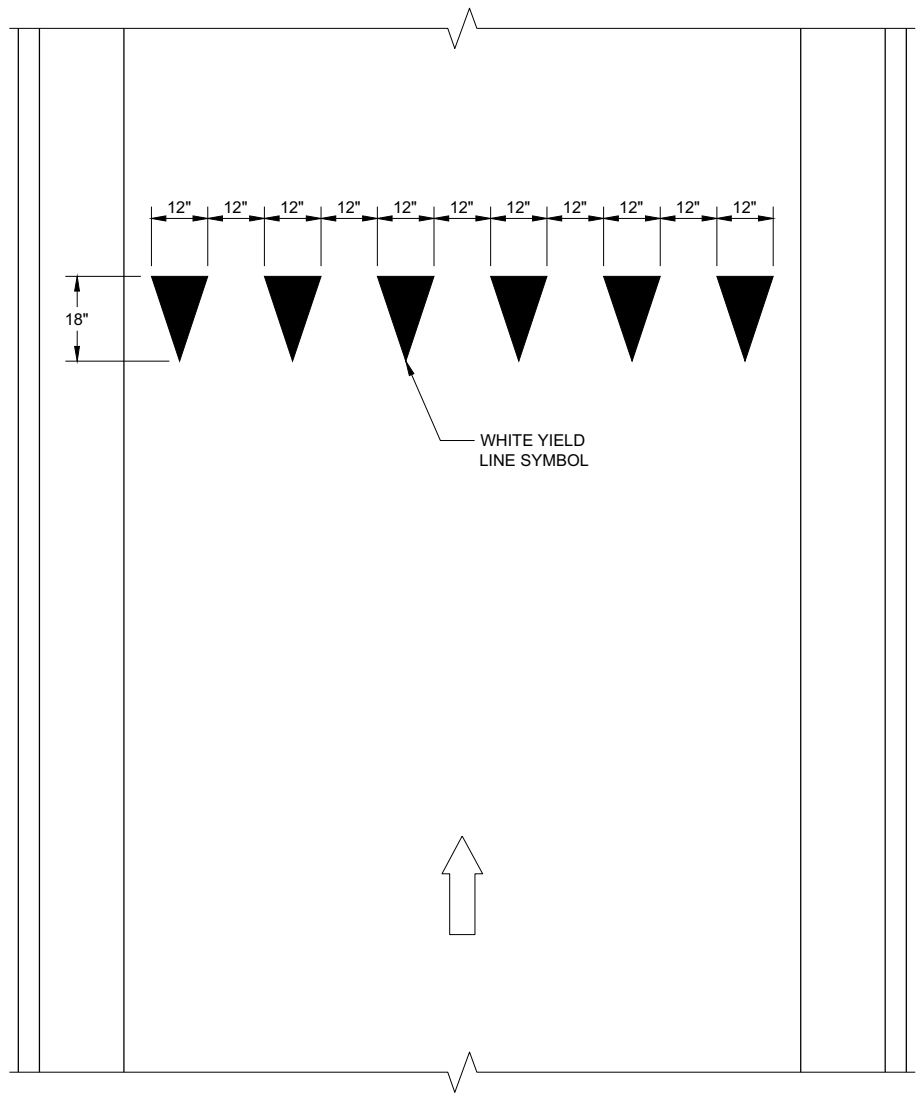
- ② IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS MULTILANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

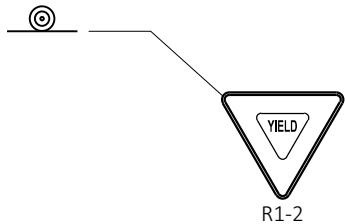
APPROVED	
March 2024	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER



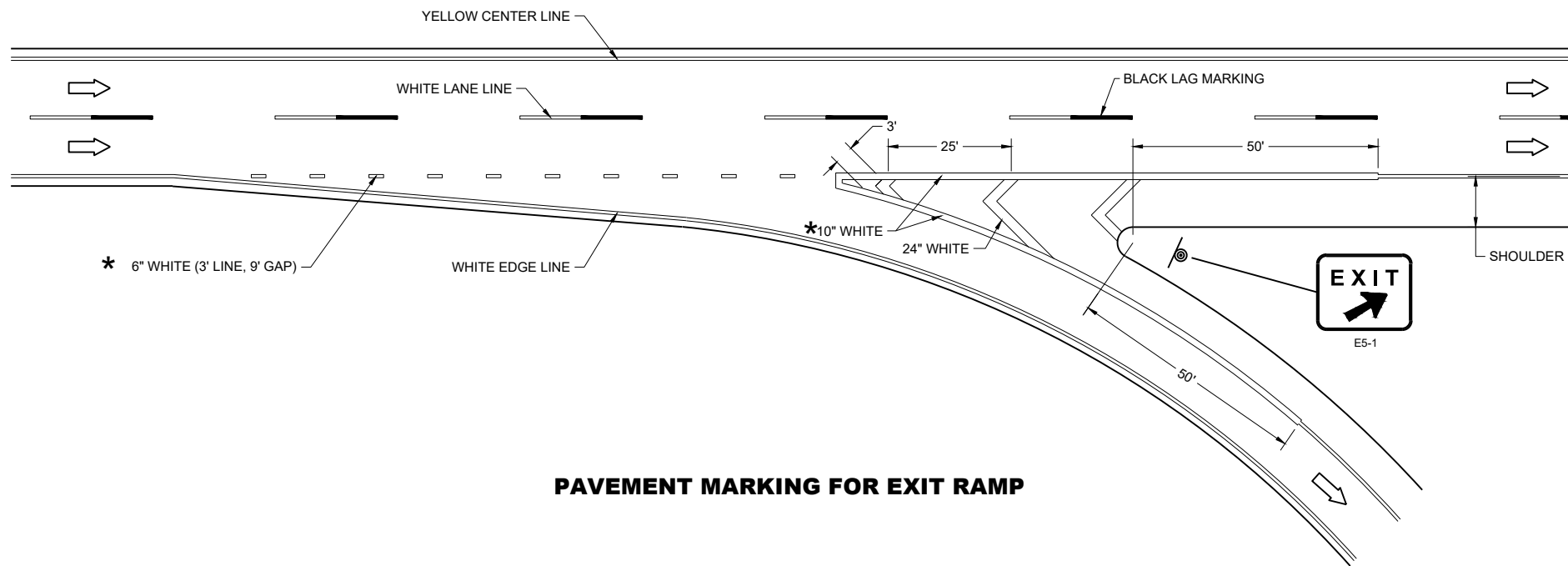
YIELD LINE

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  DIRECTION OF TRAVEL



YIELD MARKINGS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 4-81-2016 DATE	/S/ Matthew R. Rauch STATE SIGNING AND MARKING ENGINEER
FHWA	



PAVEMENT MARKING FOR EXIT RAMP

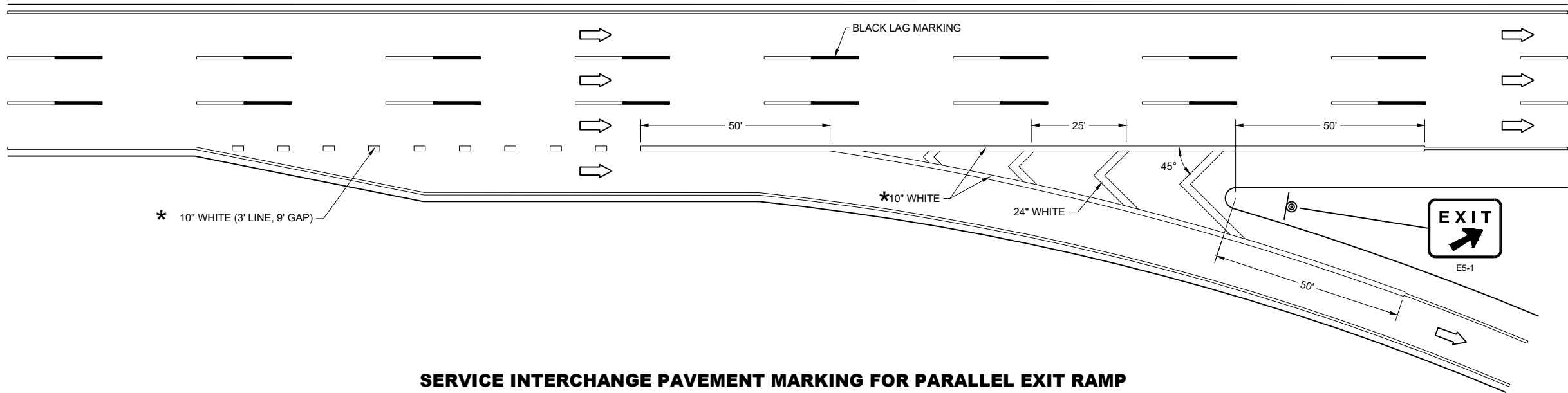
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT RAMP

PAVEMENT MARKING,
EXIT RAMP AND
PARALLEL EXIT RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

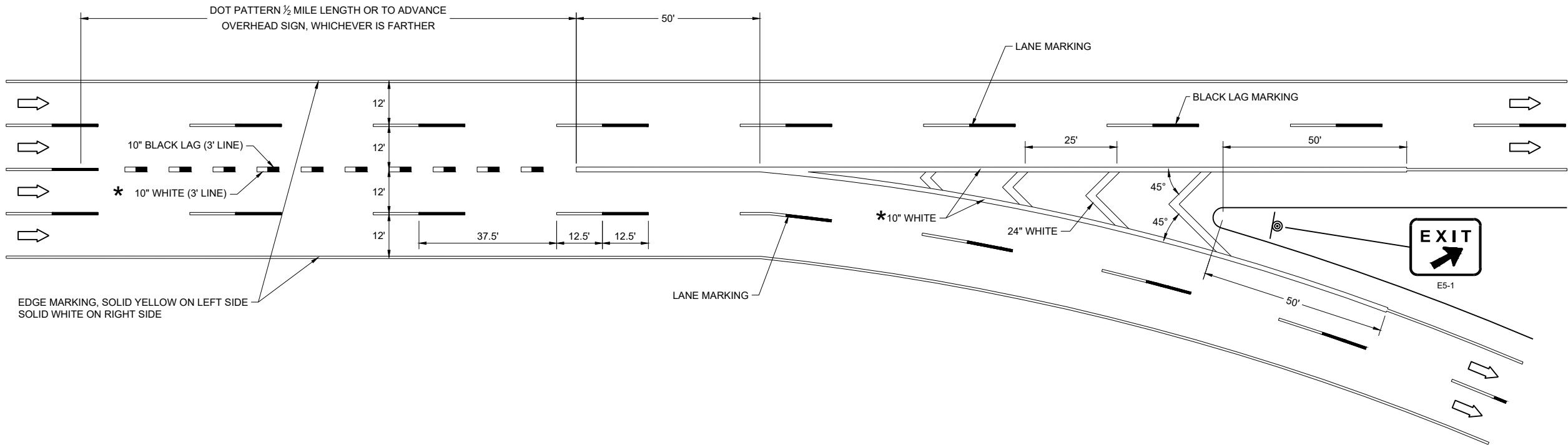
PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

 SIGN ON PERMANENT SUPPORT

 DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH
THE MISCELLANEOUS QUANTITIES



PAVEMENT MARKING,
MAJOR SPLIT
FREEWAY TO FREEWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

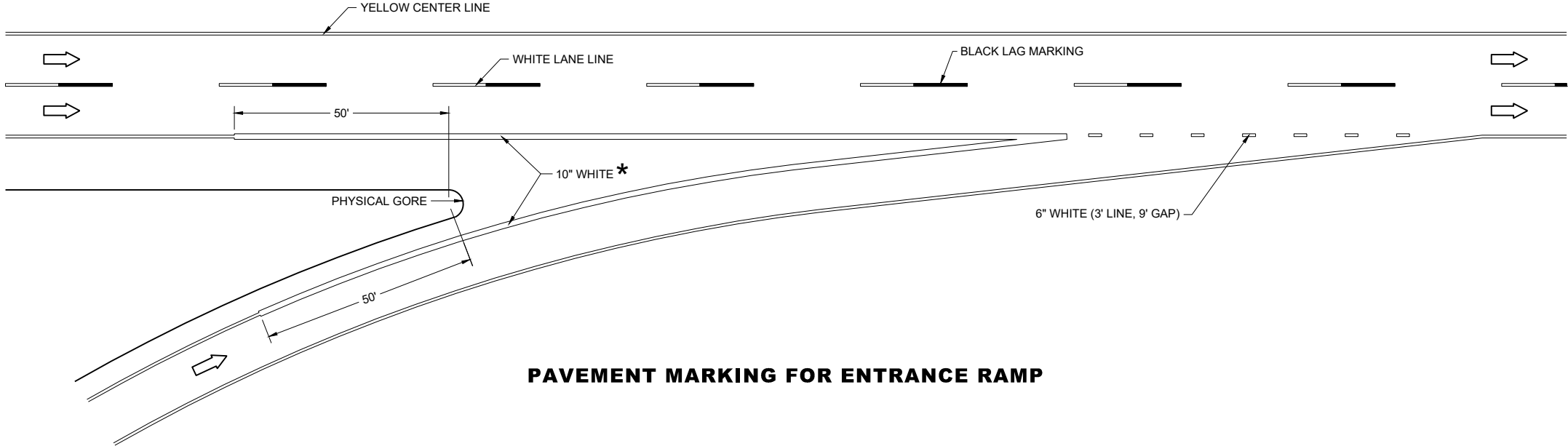
GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

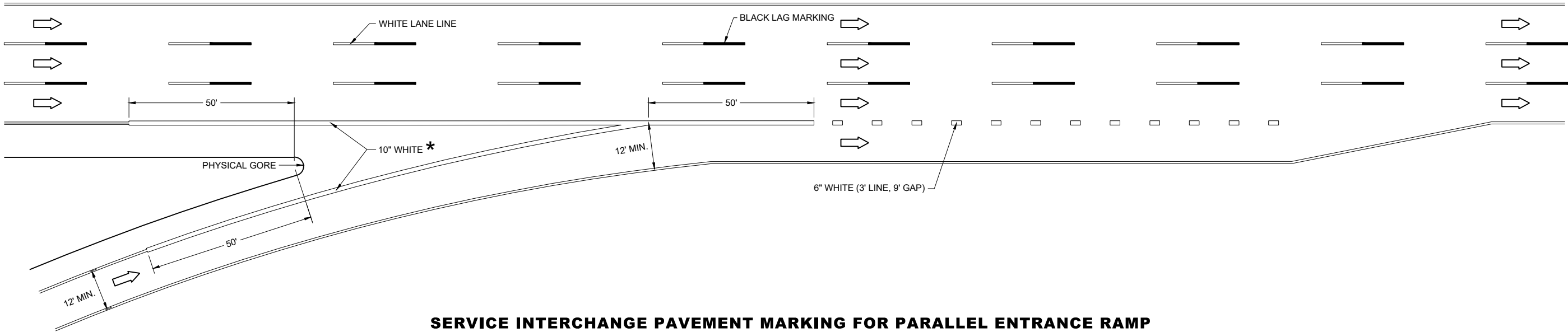
LEGEND

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



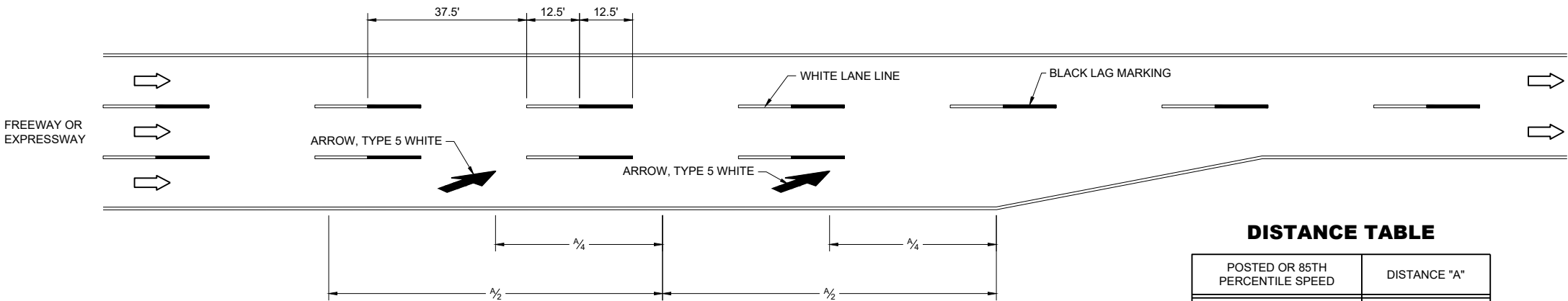
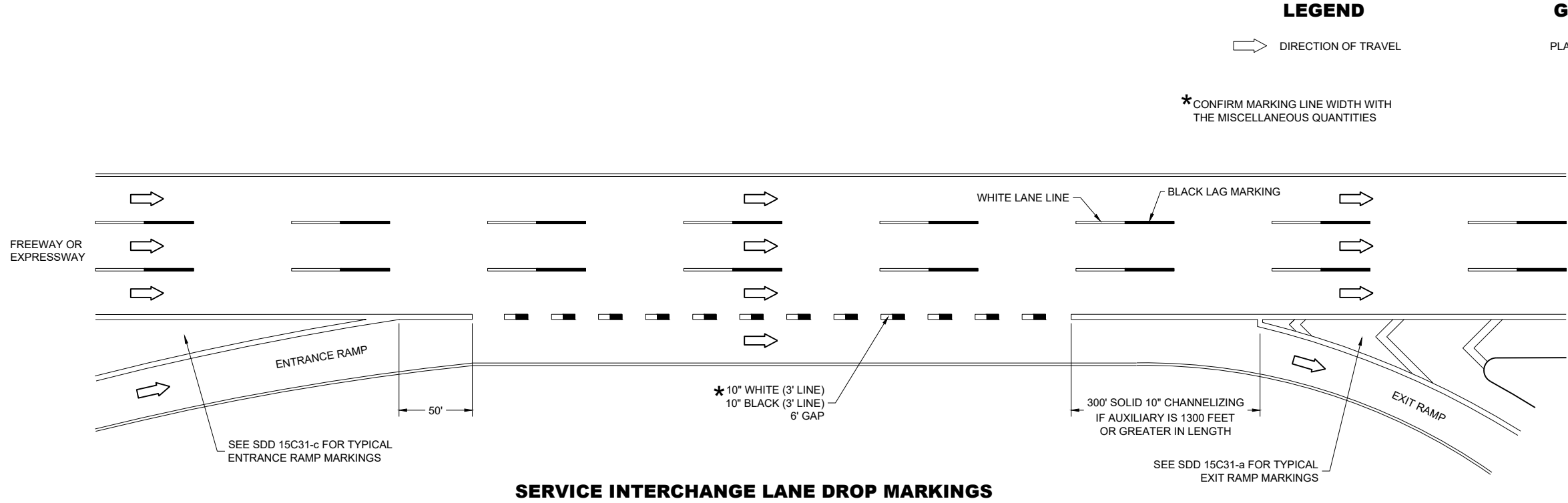
PAVEMENT MARKING FOR ENTRANCE RAMP



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE RAMP

PAVEMENT MARKING,
ENTRANCE RAMP AND
PARALLEL ENTRANCE RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



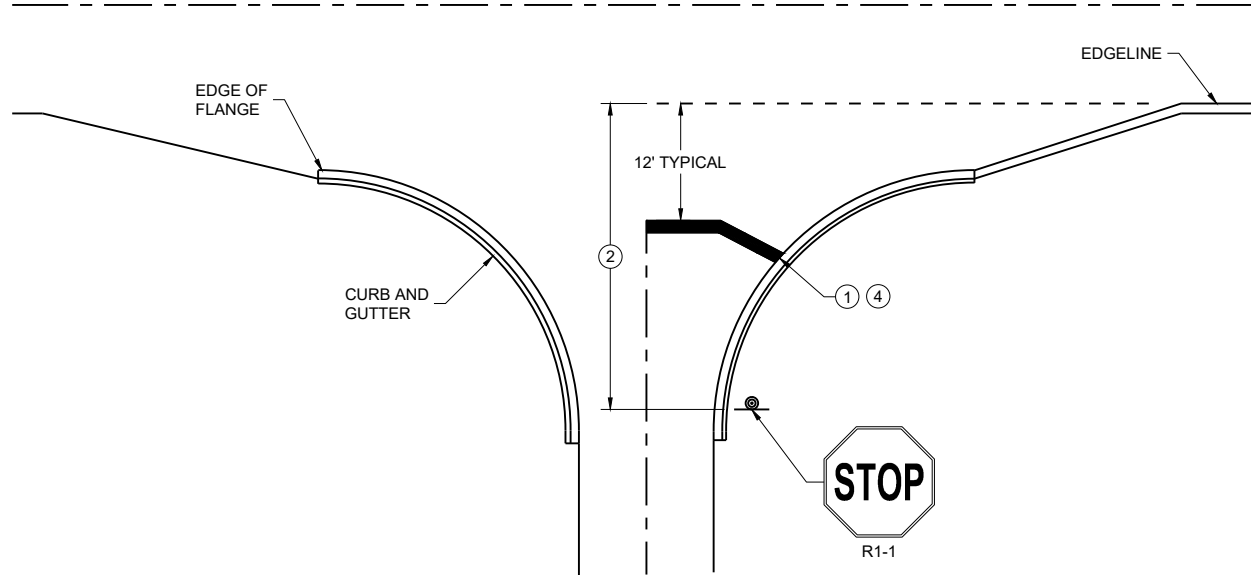
**PAVEMENT MARKING,
LANE DROP AND
LANE REDUCTION**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

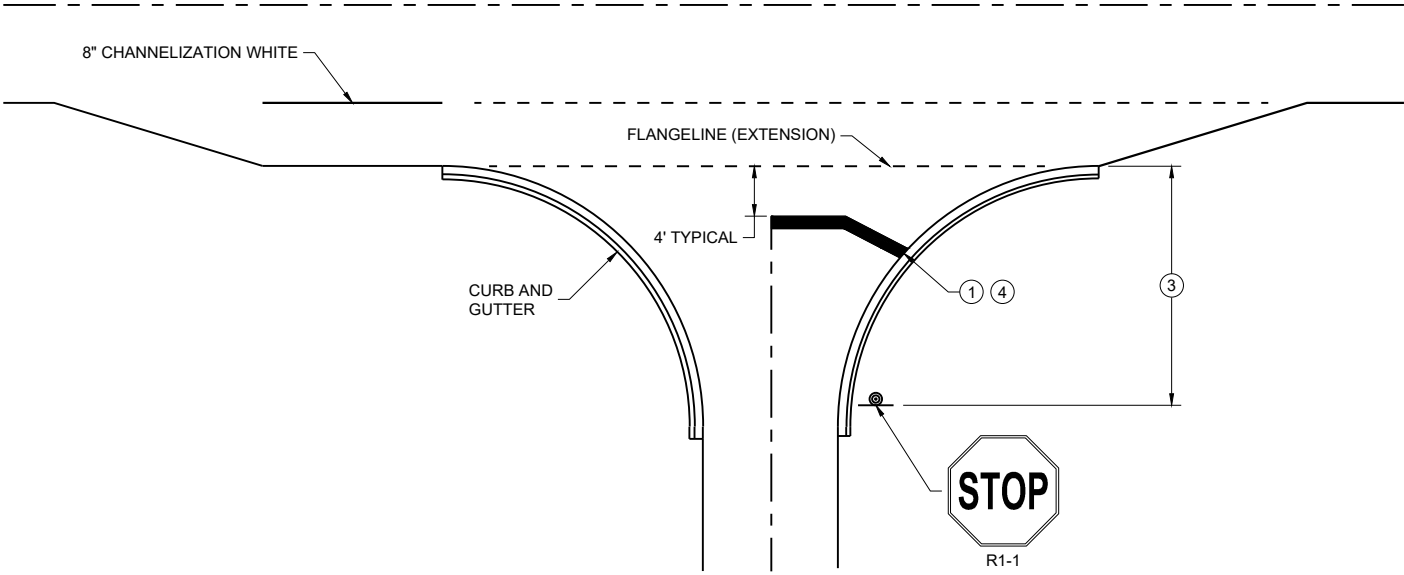
APPROVED
August 2024
DATE

/S/ Matthew Rauch
WORK ZONE ENGINEER

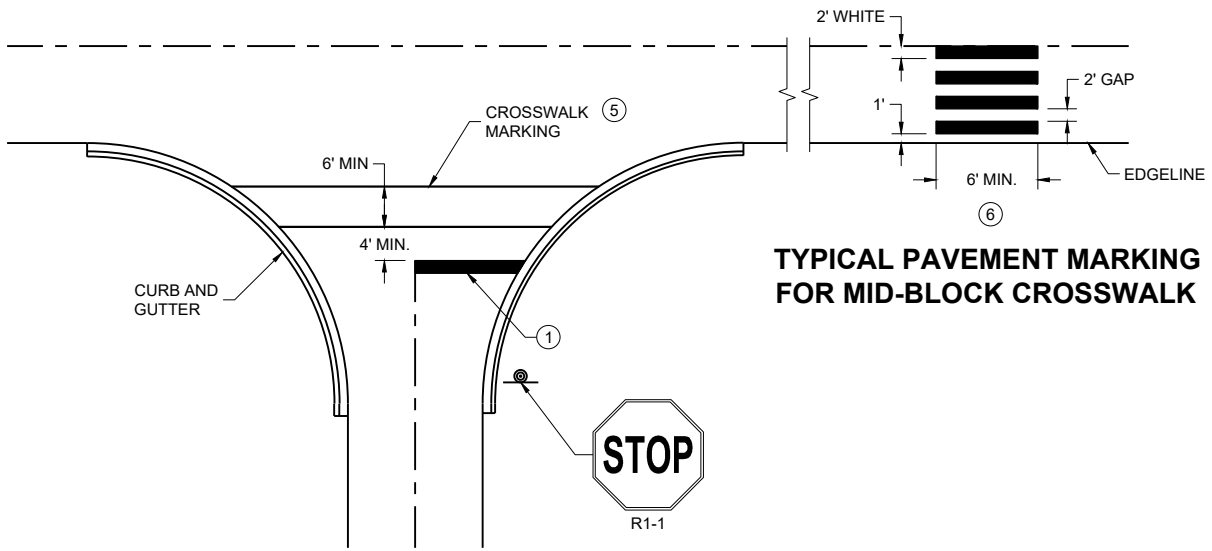
FHWA



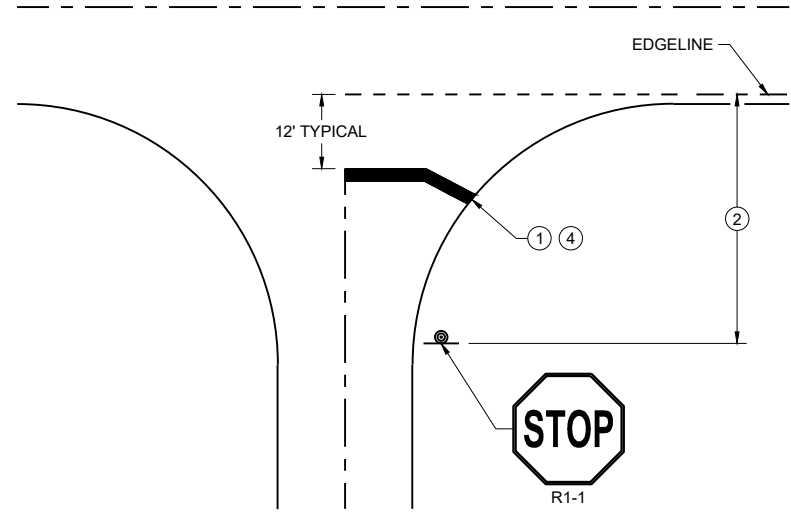
TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER



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



TYPICAL STOP LINE PAVEMENT MARKING FOR
SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING
WITHOUT CURB AND GUTTER

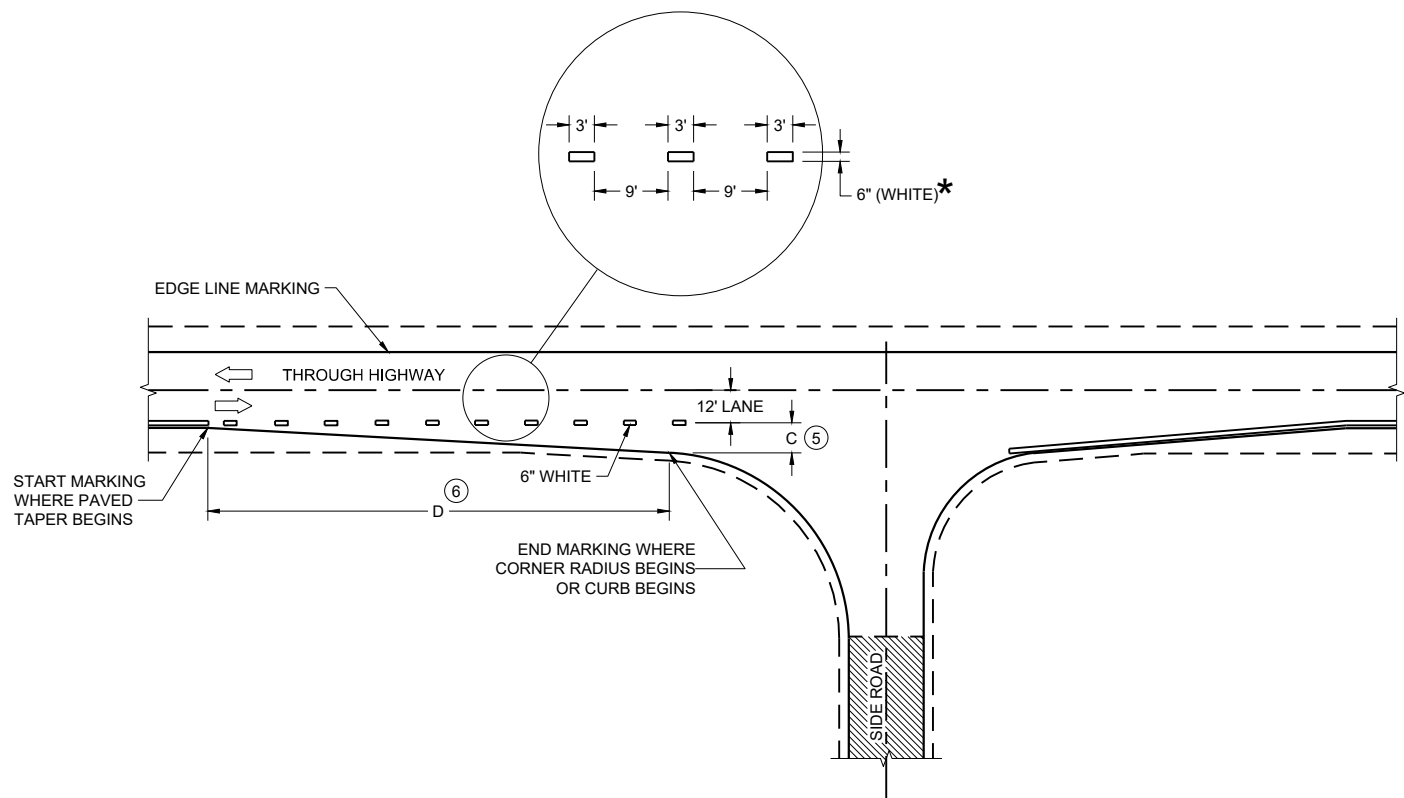
GENERAL NOTES

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

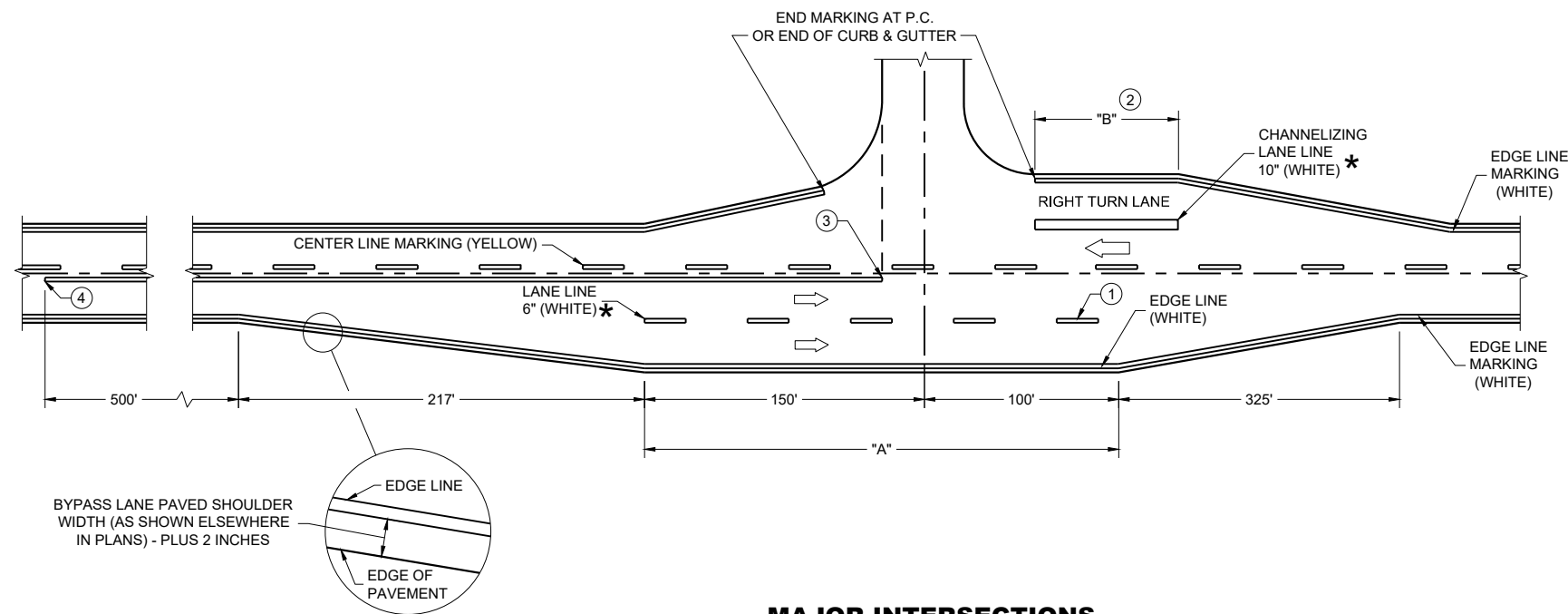
- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
- 3 NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE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

STOP LINE AND CROSSWALK PAVEMENT MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED March 2024 DATE	/S/ Matthew Rauch STATE SIGNING AND MARKING ENGINEER

FHWA



MINOR INTERSECTION



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

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

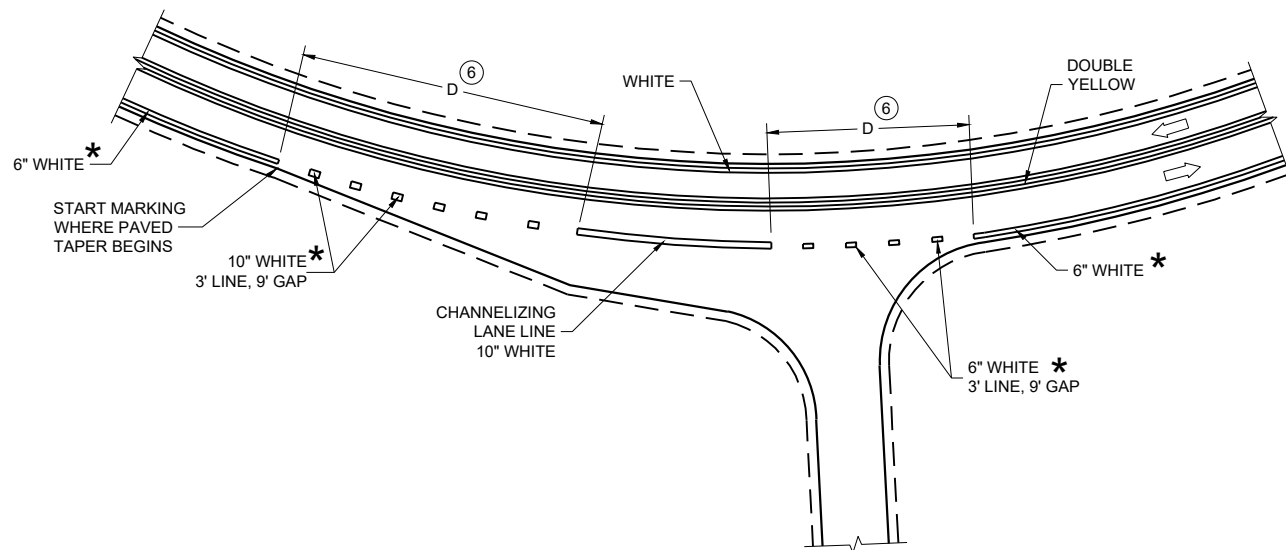
GENERAL NOTES

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

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

LEGEND

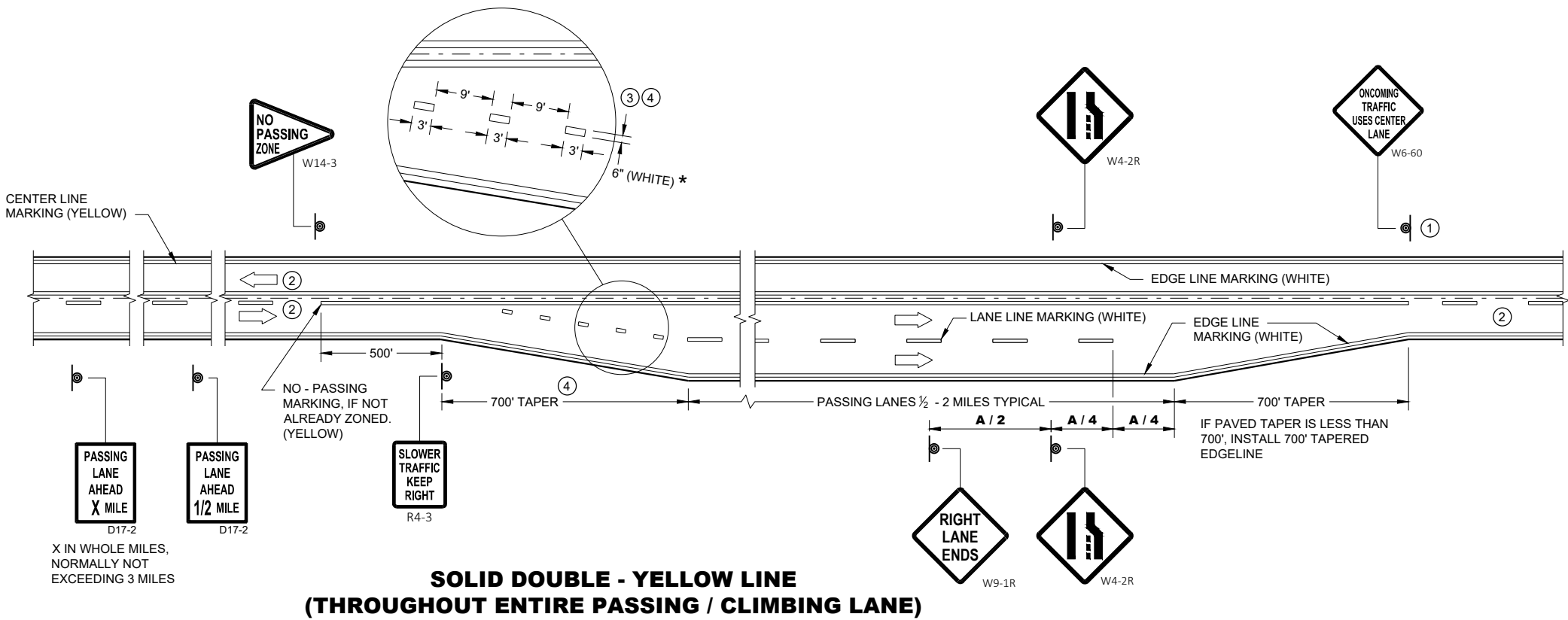
➡ DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

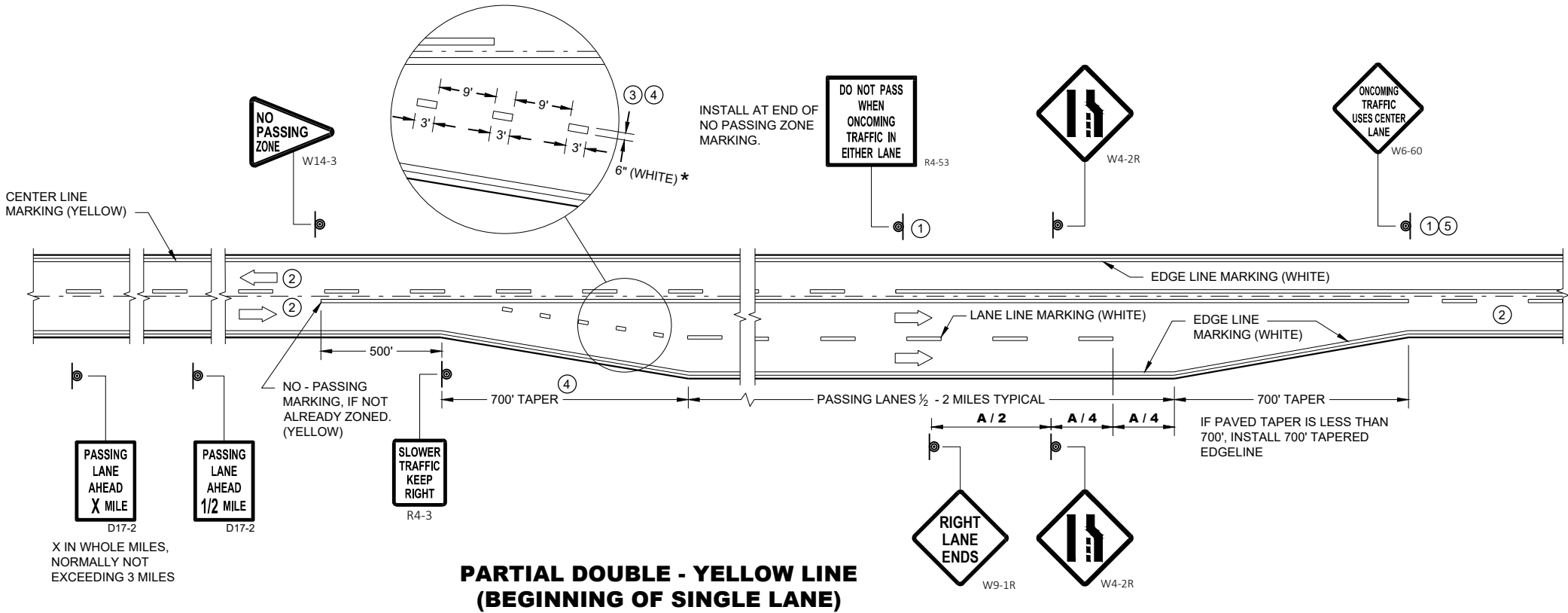
- 1 SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- 2 THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- 3 THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE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

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

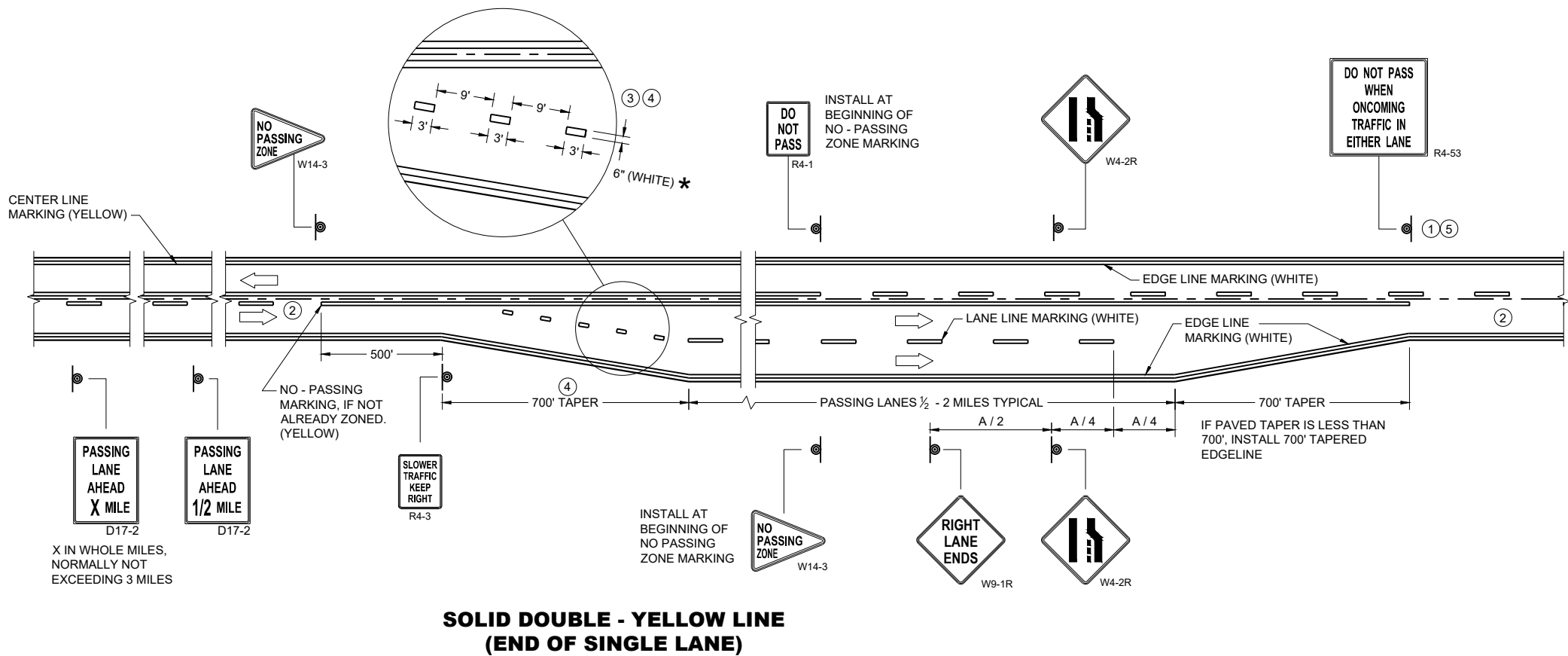
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	775
50	885
55	990

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



PAVEMENT MARKING & SIGNING
(CLIMBING LANE & PASSING LANE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

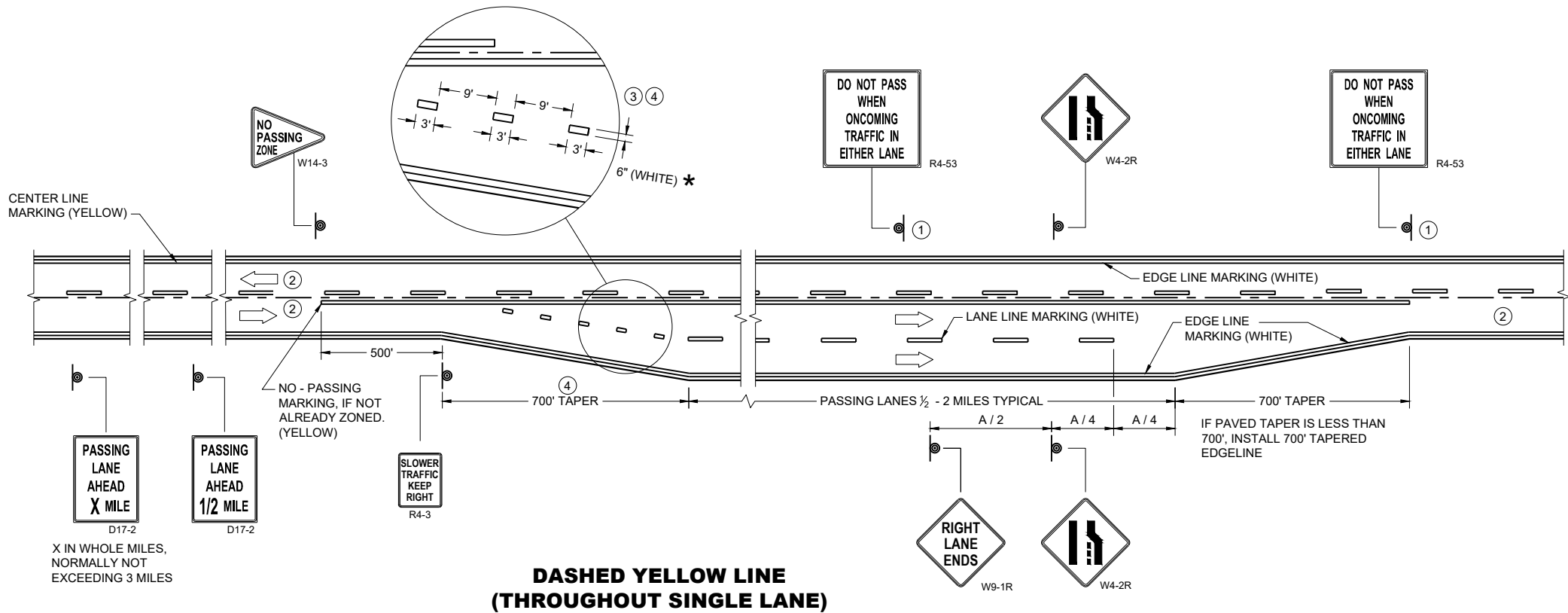
- 1 SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- 2 THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- 3 THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE, 9' GAP, EXCEPT RETRACE THE EXISTING LINE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

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

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

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



PAVEMENT MARKING & SIGNING
(CLIMBING LANE & PASSING LANE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

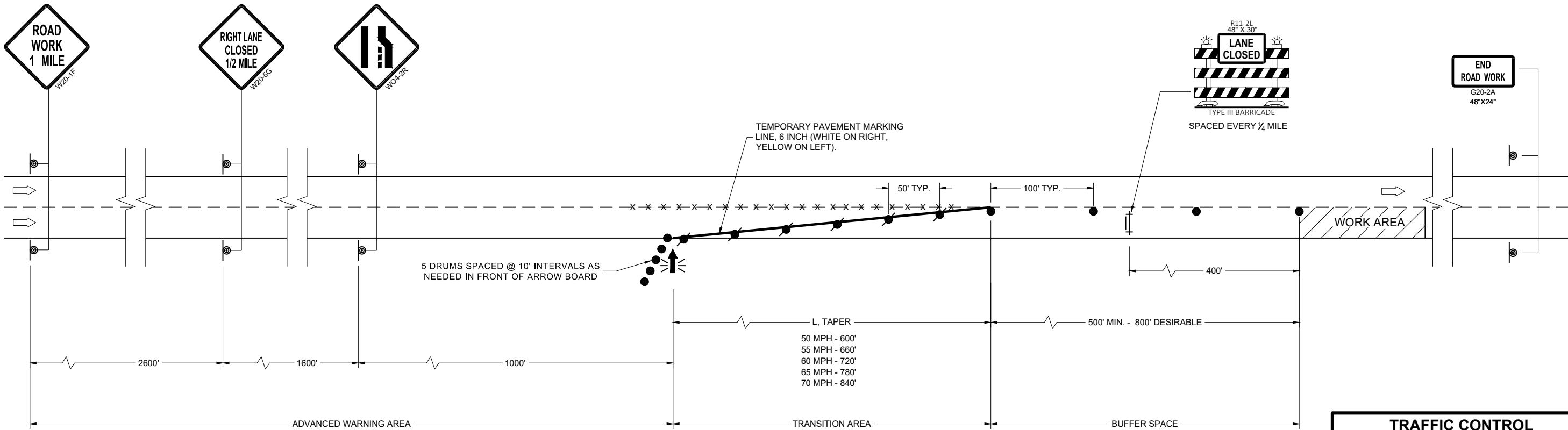
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

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

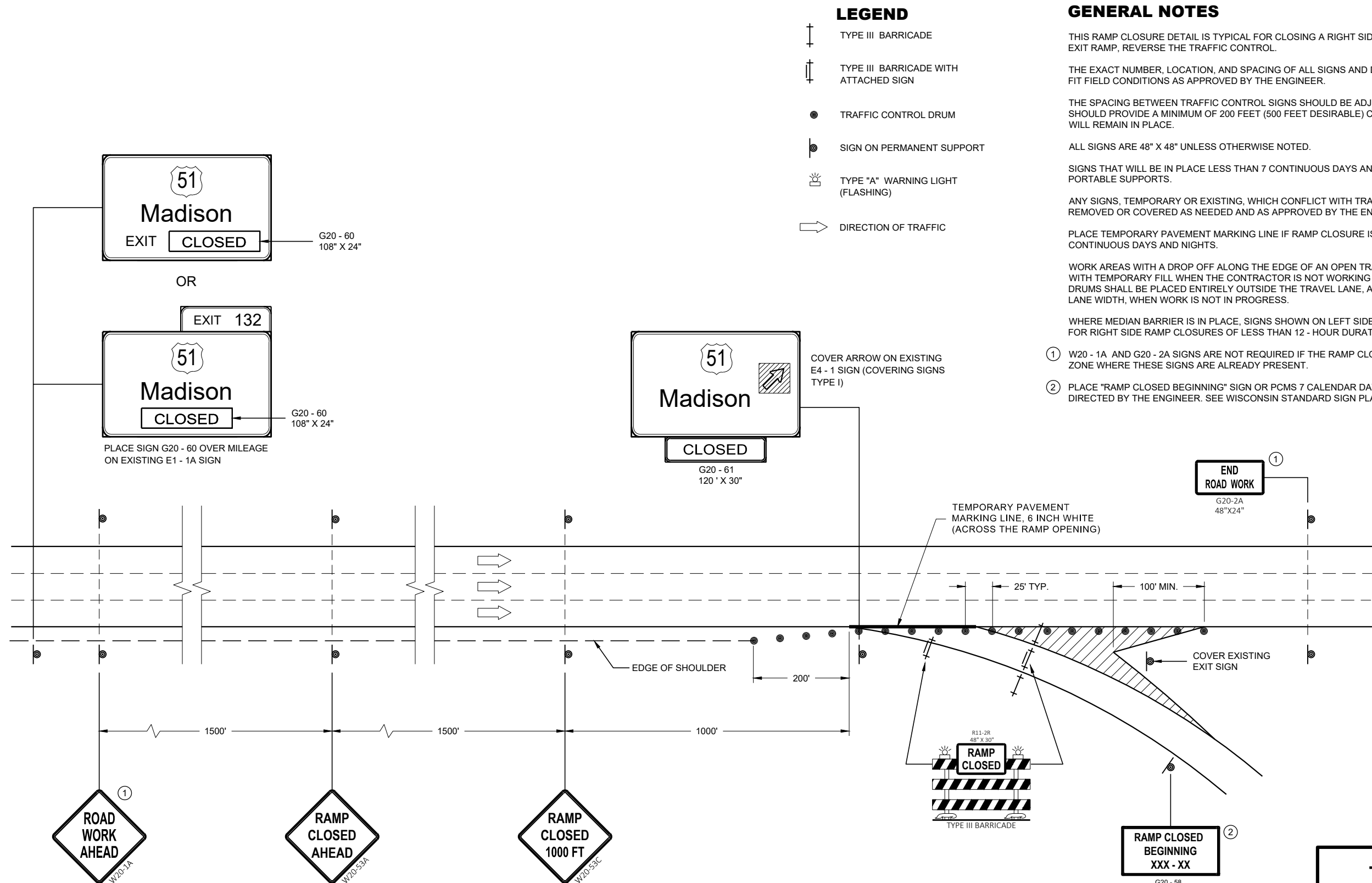
LEGEND

- 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 DATE	/S/ Andrew Heidtke Work Zone Engineer

FHWA



LEGEND

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

GENERAL NOTES

- THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.
- 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.
- SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
- ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.
- PLACE TEMPORARY PAVEMENT MARKING LINE IF RAMP CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.
- WORK AREAS WITH A DROP OFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN WORK IS NOT IN PROGRESS.
- WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12 - HOUR DURATION.
- ① W20 - 1A AND G20 - 2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.
- ② PLACE "RAMP CLOSED BEGINNING" SIGN OR PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.

**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.

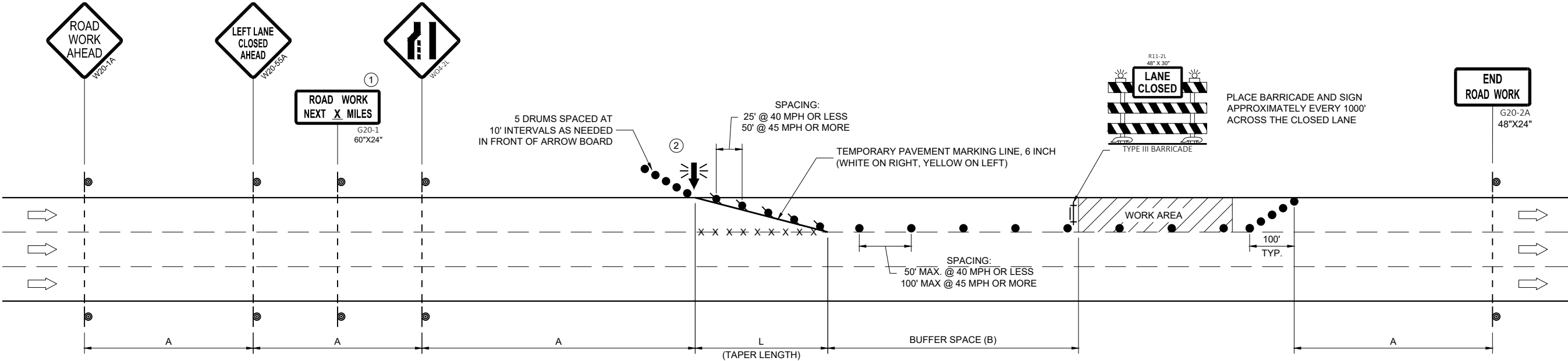
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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.

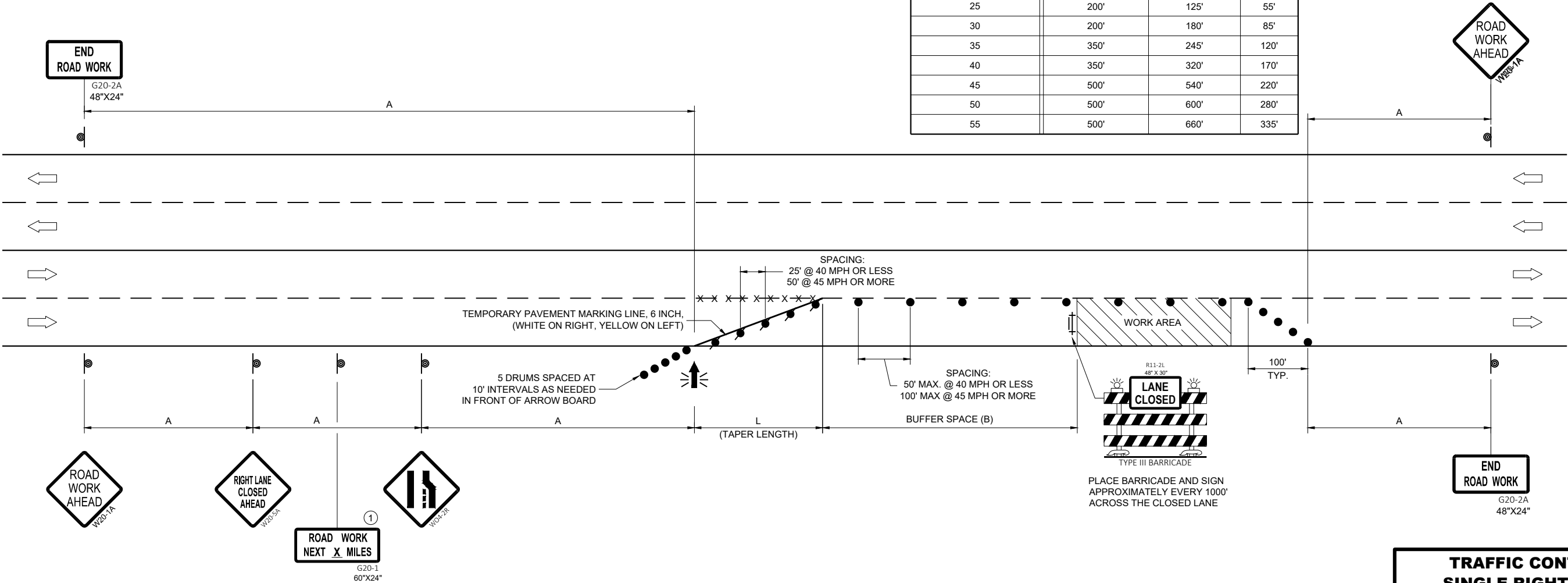
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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.

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

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

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

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

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

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

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

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

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

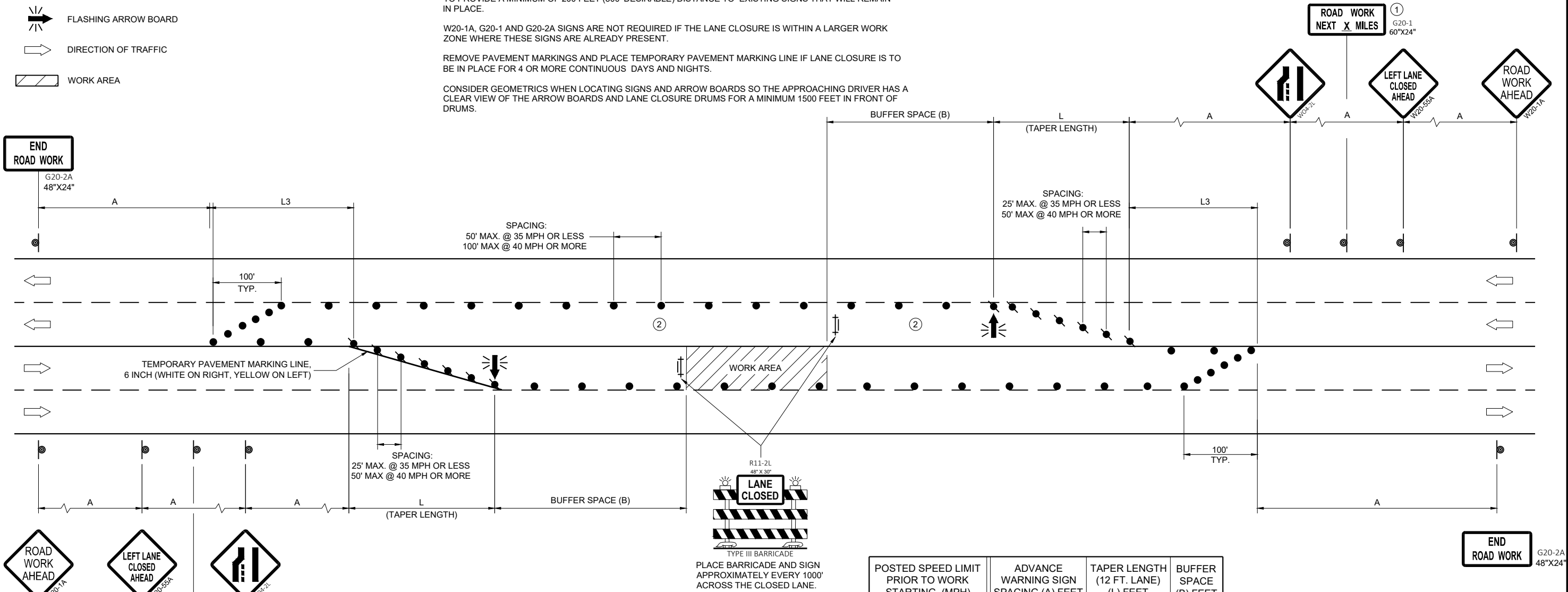
DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

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

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

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

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



**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

LEGEND

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

GENERAL NOTES

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

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

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

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

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

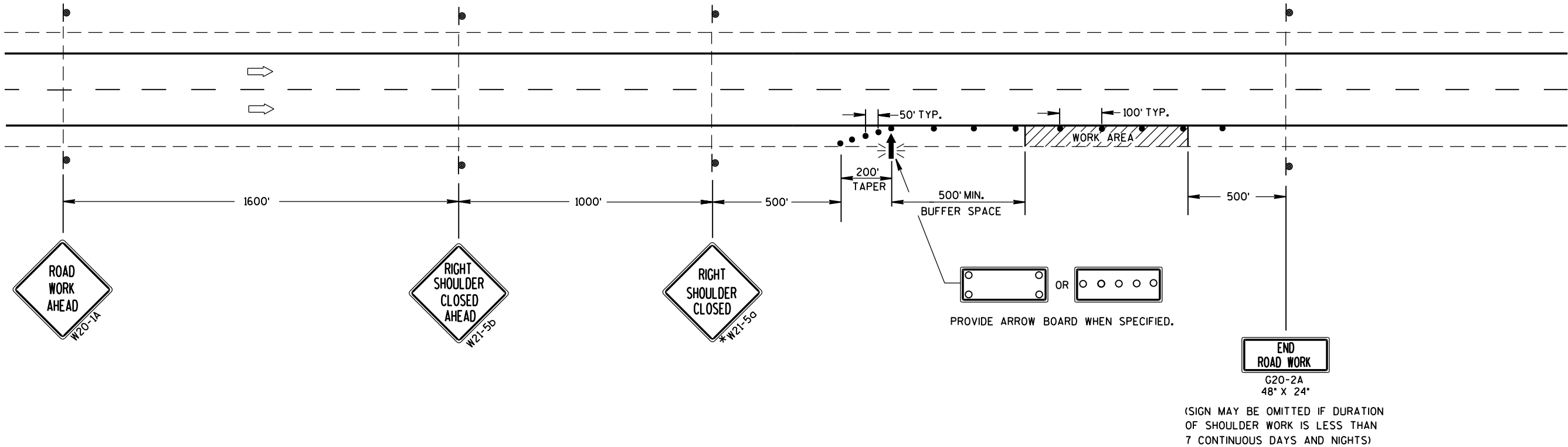
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

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

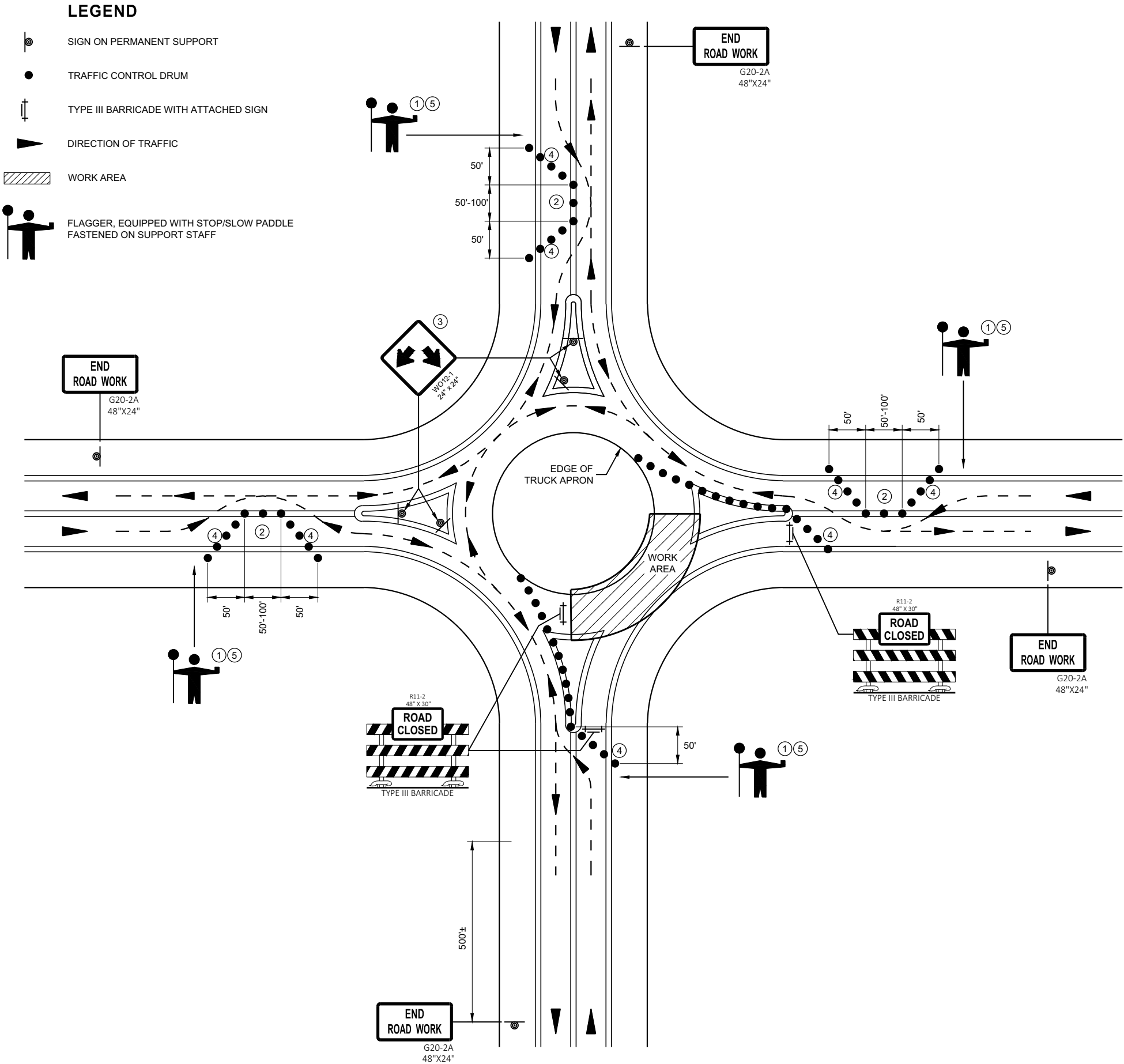
*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



GENERAL NOTES

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

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

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

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

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

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

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

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

RECOMMENDED REDUCED DRUM SPACING WITHIN ROUNDABOUT

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

**TRAFFIC CONTROL,
FLAGGING OPERATION,
ROUNDABOUT**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

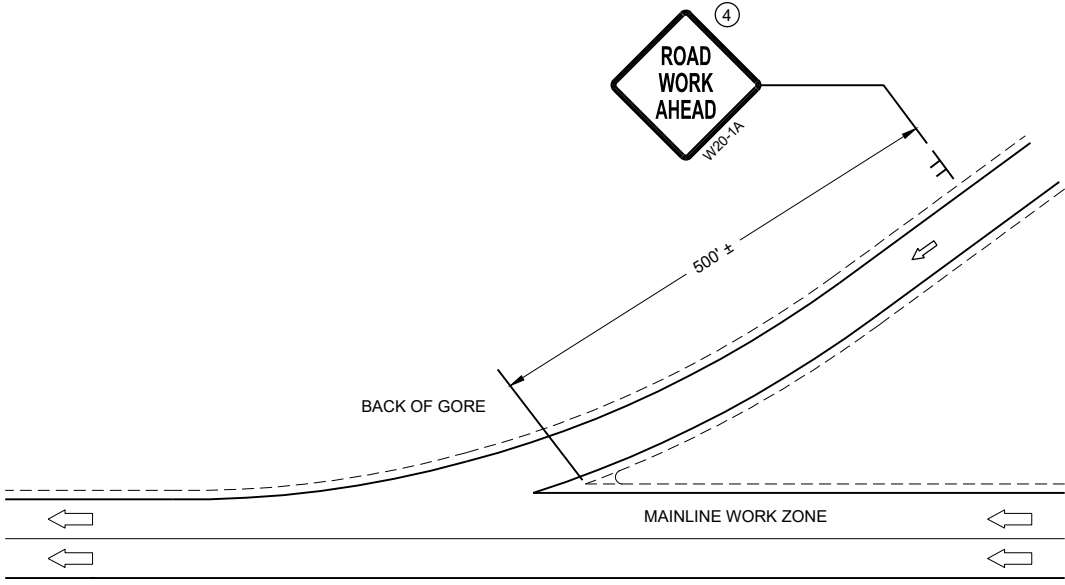
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

FHWA

LEGEND

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



GENERAL NOTES

- SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.
- MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.
- ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.
- ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.
- WHEN WORK ACTIVITY BLOCKS THE RIGHT LANE, REVERSE TRAFFIC CONTROL.
- WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.
- USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.
- WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC
- 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

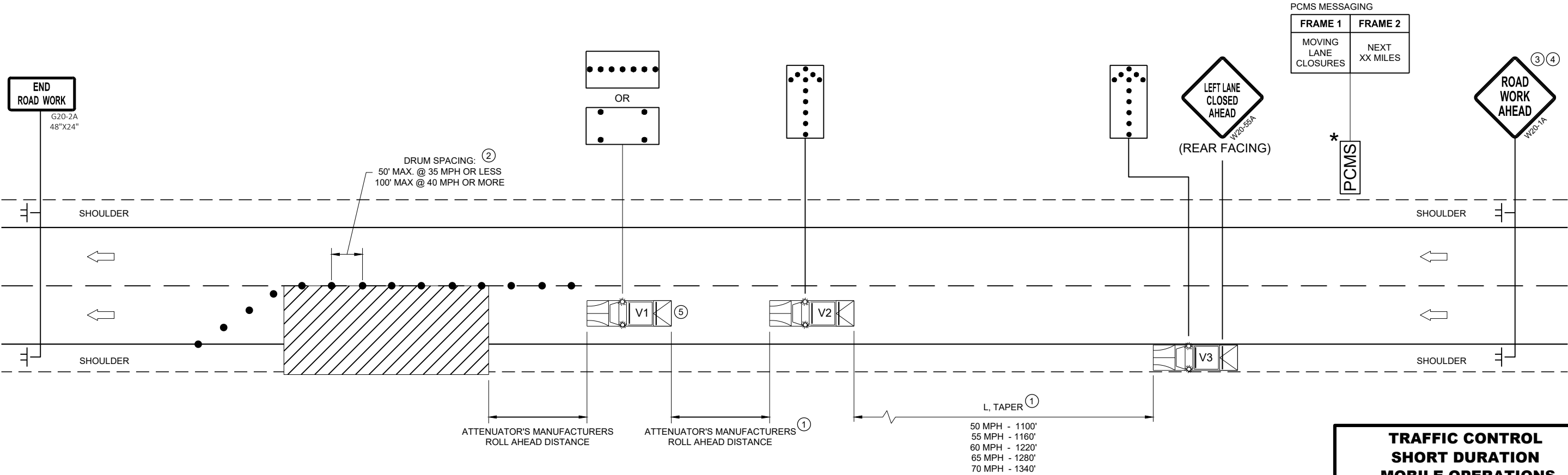
DRUMS ARE TO BE USED FOR BRIDGE DECK SEALING AND OTHER PROJECTS THAT REQUIRE DELINEATION.
- 3

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

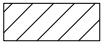
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

LEGEND

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

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER $L/2$					
		W, LATERAL OFFSET (FT)					
3	4	5	6	7	8		
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	54	73	91	109	127	145

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

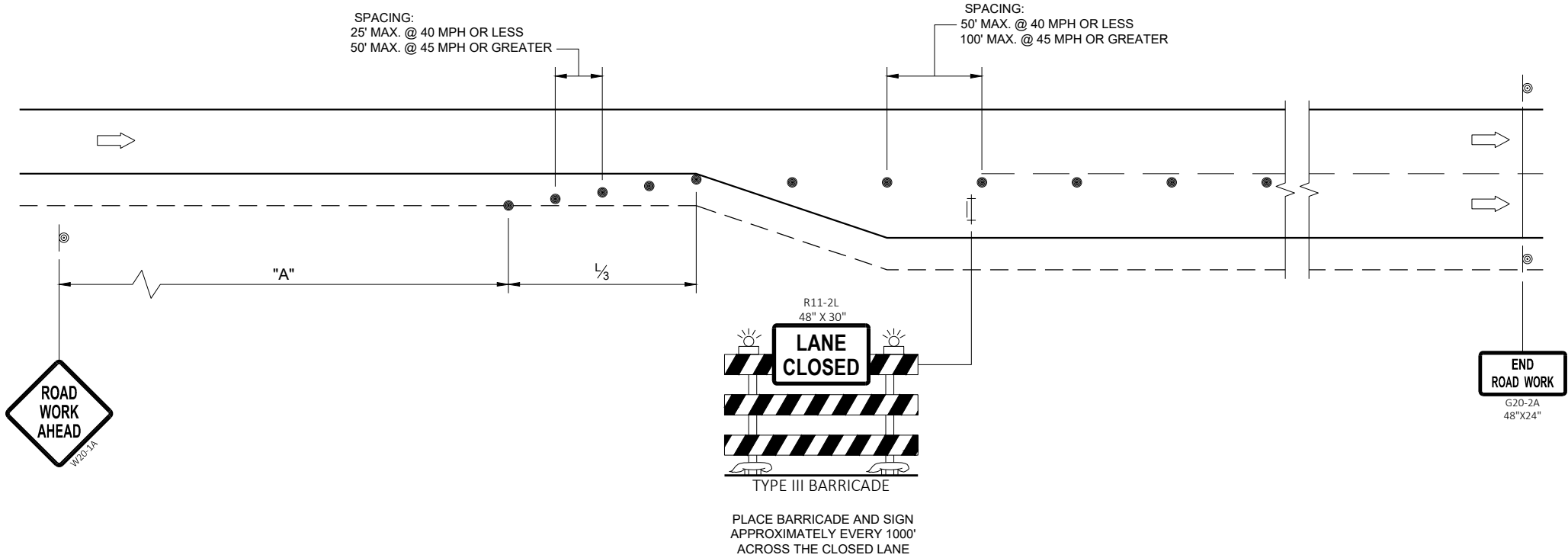
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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

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

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

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



**TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

LEGEND

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

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

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

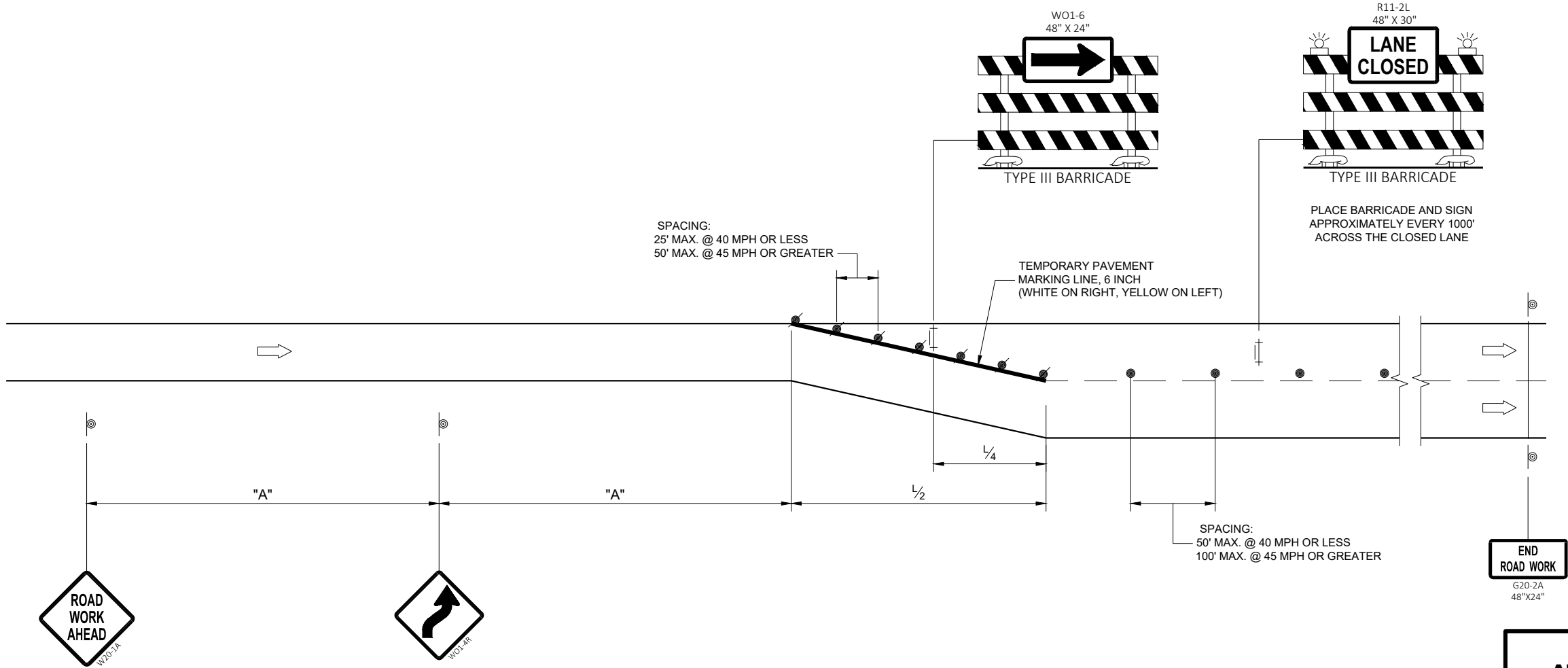
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

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

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



TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2023 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

LEGEND

- V1

WORK VEHICLE
- V2

SHADOW VEHICLE
- 

TRUCK MOUNTED ATTENUATOR (TMA)
- 

FLASHING ARROW PANEL (CAUTION)
- 

WORK AREA
- 

DIRECTION OF TRAFFIC

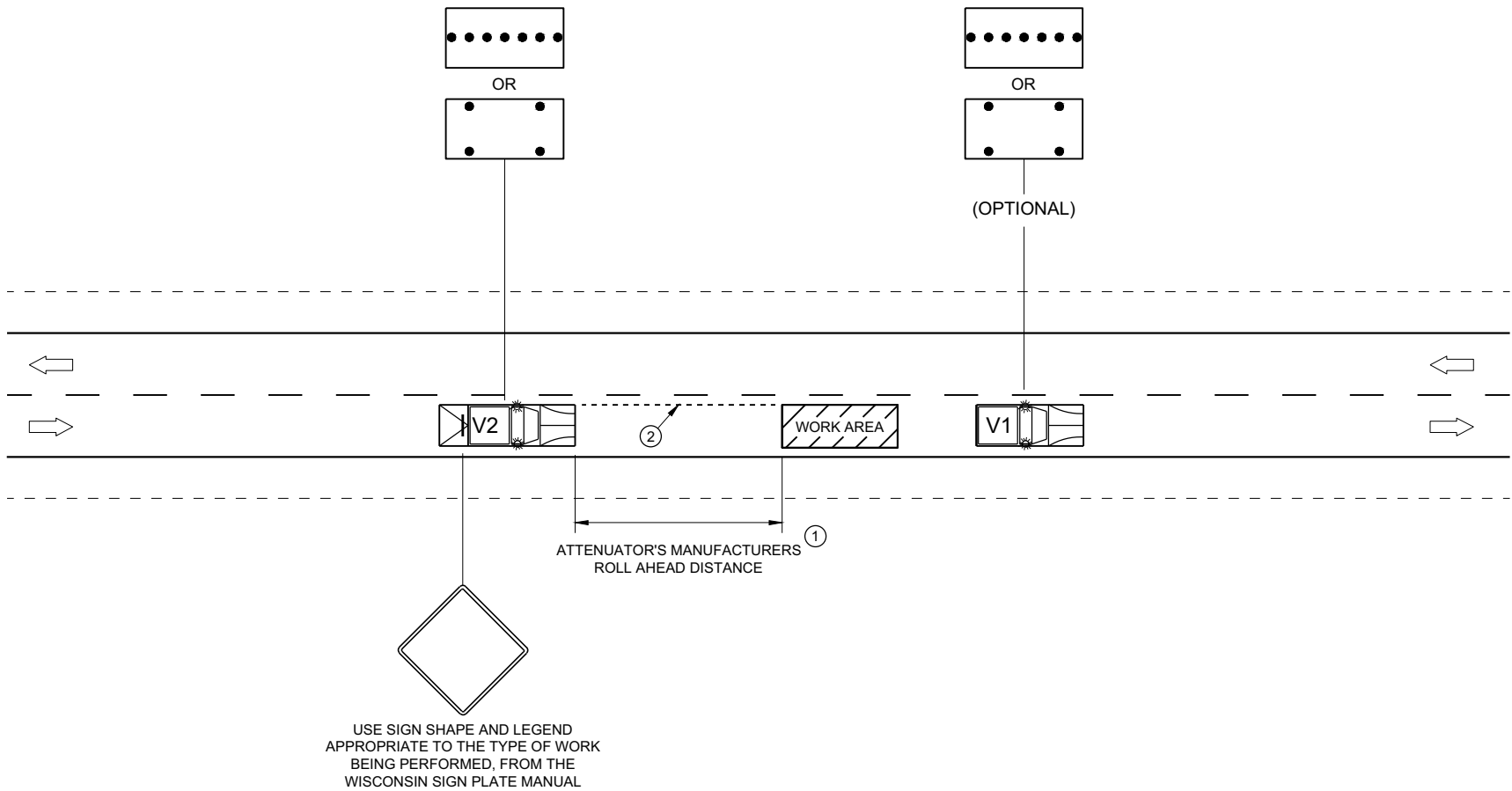
POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

GENERAL NOTES

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

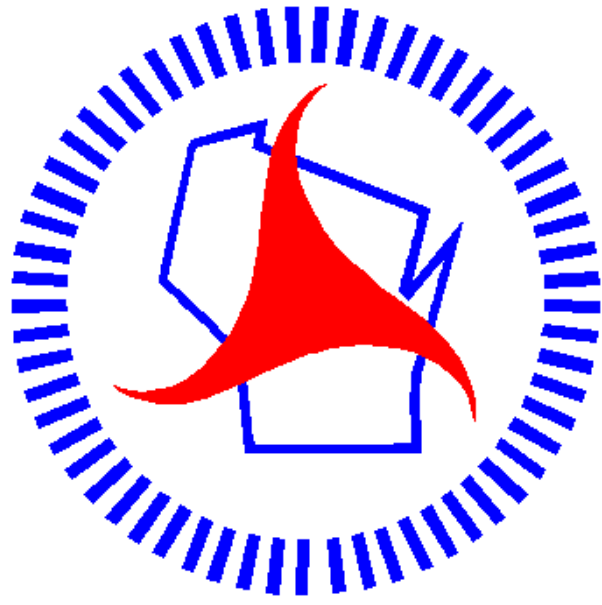
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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>