PROJECT

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DECEMBER 2023

ORDER OF SHEETS

Typical Sections and Details Estimate of Quantities Section No. Section No. Miscellaneous Quantities

Standard Detail Drawings

TOTAL SHEETS = 56

DESIGN DESIGNATION

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

CONVENTIONAL SYMBOLS

MARSH AREA

WOODED OR SHRUB AREA

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 COMBUSTIBLE FLUIDS

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

TELEPHONE POLE

PROFILE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

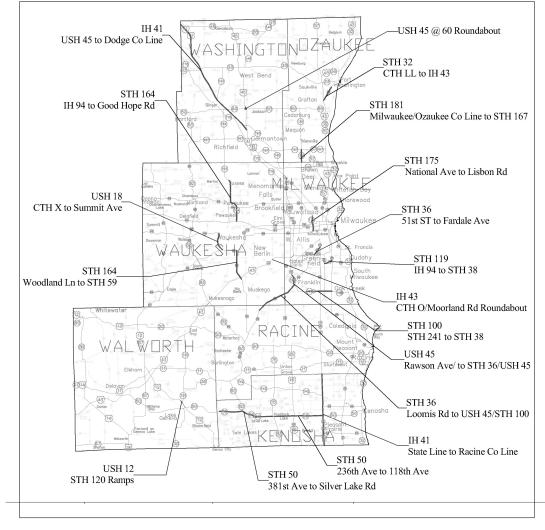
PLAN OF PROPOSED IMPROVEMENT

EPOXY PAVEMENT MARKING, 2024

LOCATION ON STN PER ANNUAL PLAN

VAR HWY SOUTHEAST REGION WIDE

STATE PROJECT NUMBER 1000-77-24



LAYOUT SCALE L

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 OF WISCONSIN DEPARTMENT OF TRANSPORTATION PREPARED BY

FEDERAL PROJECT

CONTRACT

PROJECT

WISC 2024103

STATE PROJECT

Surveyor JEANNIE SILVER

DONALD BERGHAMMER

GENERAL NOTES

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

REGION CONTACTS KAREN MARTENS SE REGION MARKING KAREN.MARTENS@DOT.WI.GOV 262-548-6892

JEANNIE SILVER
DESIGN ENGINEER
JEANNIE.SILVER@DOT.WI.GOV
608-246-5408

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

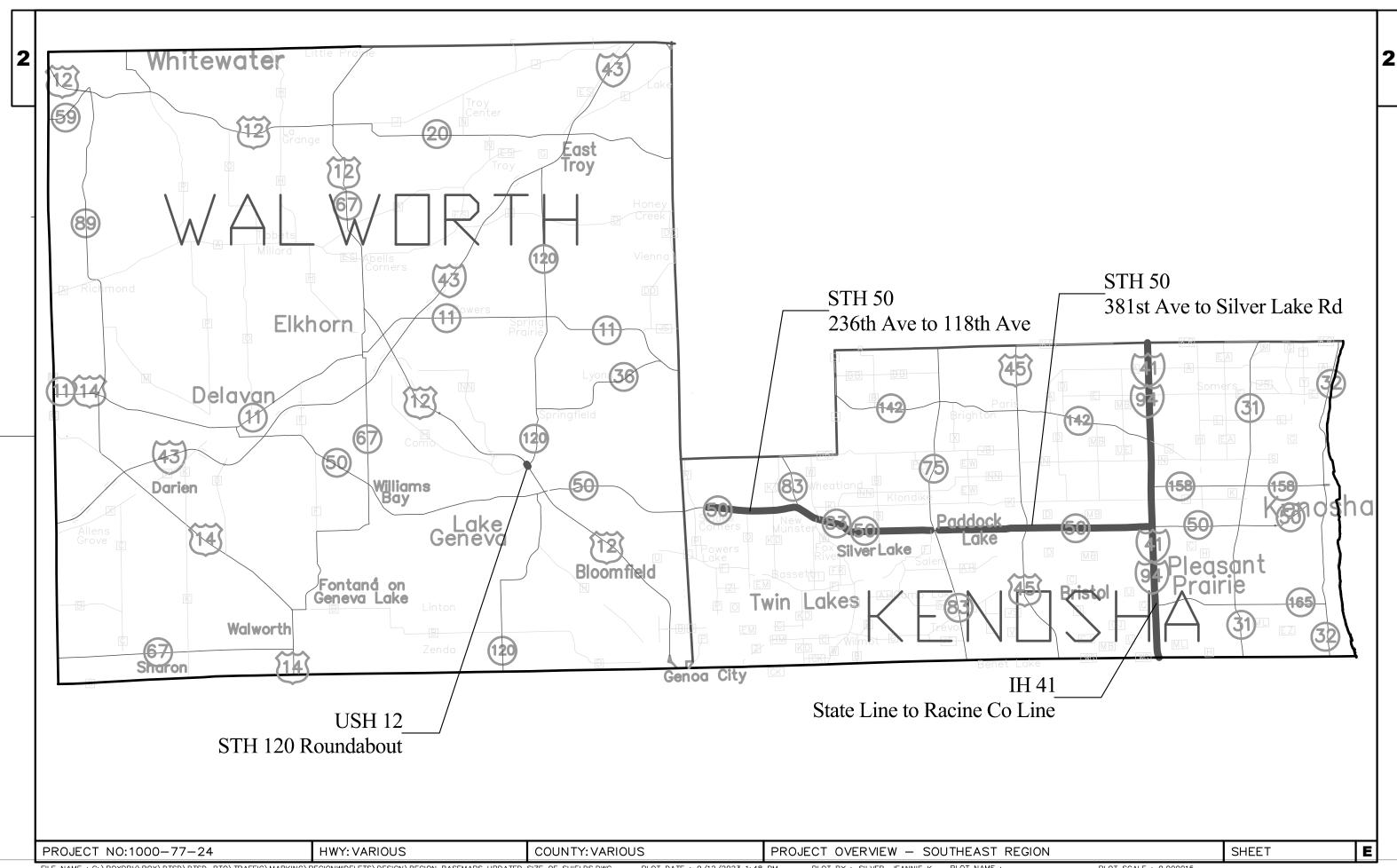
PROJECT NO:1000-77-24 HWY: VARIOUS

COUNTY: VARIOUS

GENERAL NOTES

SHEET

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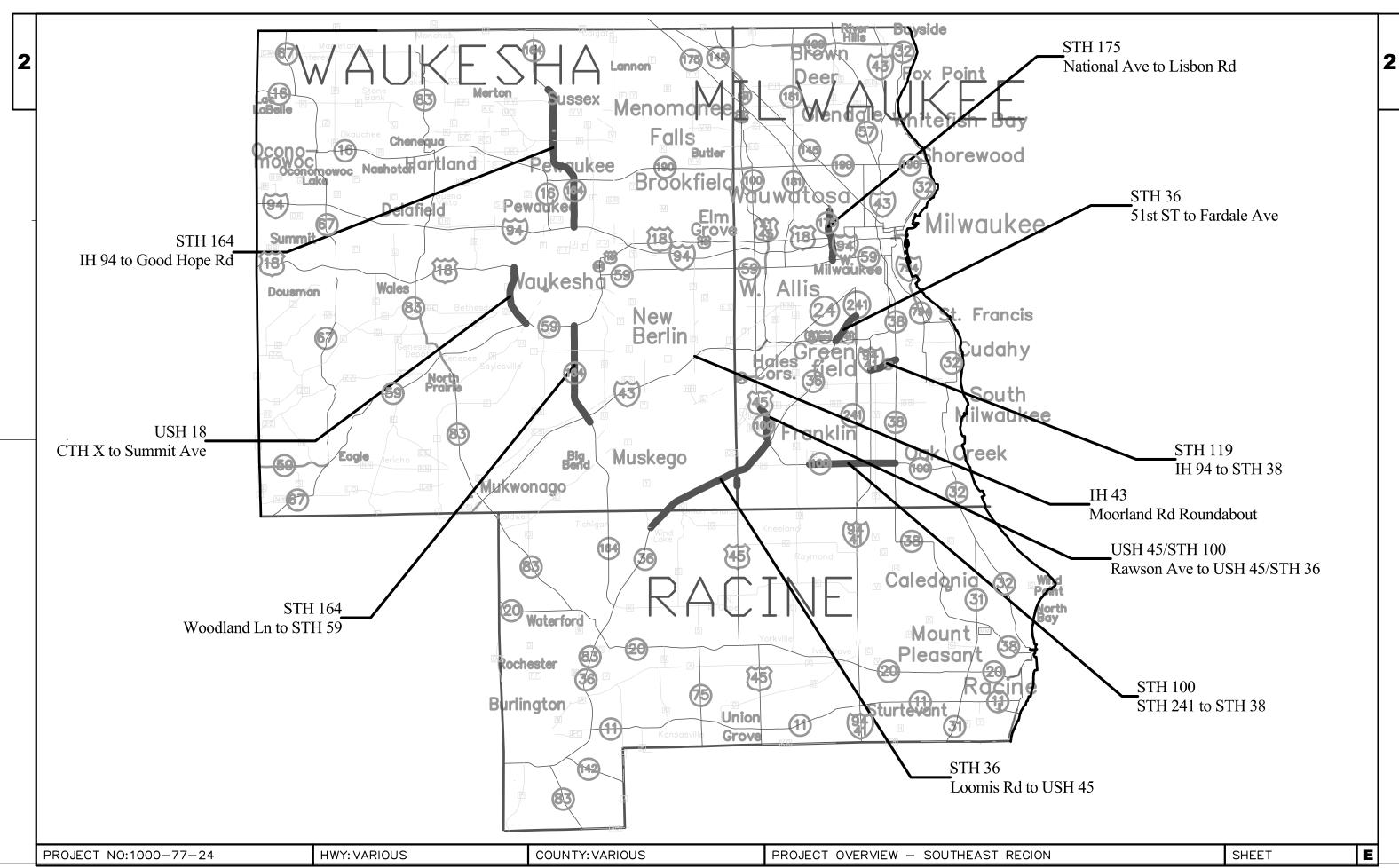


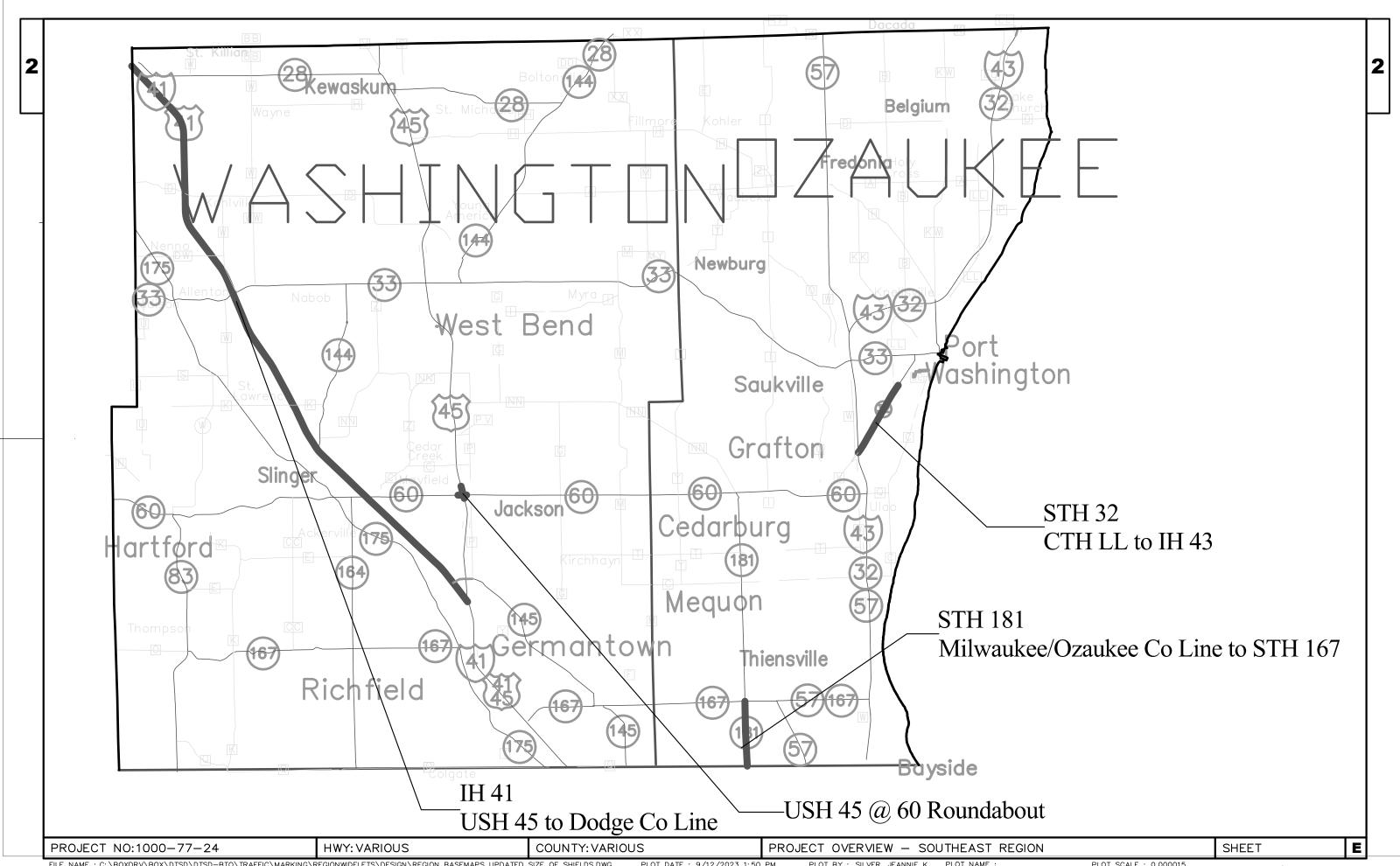
PLOT DATE: 9/12/2023 1:48 PM

PLOT BY: SILVER, JEANNIE K PLOT NAME:

PLOT SCALE: 0.000015

WISDOT/CADDS SHEET 42





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- 1	UL.	w-	77.	-24

		Harris Daniel College	11.26	T. (.)	01
Line	Item	Item Description	Unit	Total	Qty
0002	619.1000	Mobilization	EACH	1.000	1.000
0004	646.1555	Marking Line Grooved Contrast Permanent Tape 4-Inch	LF	50.000	50.000
0006	646.2020	Marking Line Epoxy 6-Inch	LF	2,235,601.000	2,235,601.000
8000	646.2041.S	Marking Replace Line Wet Reflective Epoxy 6-inch	LF	38,725.000	38,725.000
0010	646.3555	Marking Line Grooved Contrast Permanent Tape 8-Inch	LF	50.000	50.000
0012	646.4020	Marking Line Epoxy 10-Inch	LF	147,643.000	147,643.000
0014	646.4041.S	Marking Replace Line Wet Reflective Epoxy 10-inch	LF	46,926.000	46,926.000
0016	646.5020	Marking Arrow Epoxy	EACH	632.000	632.000
0018	646.5120	Marking Word Epoxy	EACH	304.000	304.000
0020	646.5320	Marking Railroad Crossing Epoxy	EACH	10.000	10.000
0022	646.5420	Marking Aerial Enforcement Bar Epoxy	EACH	80.000	80.000
0024	646.6120	Marking Stop Line Epoxy 18-Inch	LF	9,294.000	9,294.000
0026	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	326.000	326.000
0028	646.7120	Marking Diagonal Epoxy 12-Inch	LF	1,776.000	1,776.000
0030	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	18,887.000	18,887.000
0032	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	360.000	360.000
0034	SPV.0060	Special 01. Traffic Control	EACH	1.000	1.000
0036	SPV.0090	Special 01. Marking Line Black Epoxy	LF	84,950.000	84,950.000
0038	SPV.0090	Special 02. Marking Stop Line Epoxy 24-In	LF	24.000	24.000

IH 4	1/94	IA COUNTY e to Racine/Kenosha County Line		646.2020 LINE CPOXY 6-IN	N LANE LINE		646.4020 LINE POXY 10-1 3' LINE, 9' GAP	RAMP	646.2041.S LINE WET REFL EPOXY 6-IN LANE LINE	646.4 LINE WI EPOXY 3' LINE, 9' GAP	ET REFL	SPV.0090.01 MARKING LINE BLACK EPOXY LANE LINE	Т	URN LAN	646.50 ARRO EPOX NE	W	MAINLINE	646.5120 WORD EPOXY TURN LANE	S El	646.6120 TOP LINE POXY 18-IN INTERSECTING ROADWAY	646.7120 DIAGONAL EPOXY 12-IN GORE	CR	546.7420 OSSWALK OXY 6-IN INTERSECTING ROADWAY
ROU	UTE	LOCATION	YELLOW		WHITE		WHITE		WHITE	WHITE	WHITE	BLACK			TYPE 3		TYPE 5	ONLY	WHITE	WHITE	WHITE	WHITE	WHITE
		State Line to STH 142	LF 19800	LF 19800	LF	LF	LF	LF	LF 4950	LF	LF	LF 4950	EACH	EACH	EACH	EACH	EACH	EACH	LF `	LF	LF	LF	LF
		Weigh Station Off Ramp	1180	1090		730		340	4930			4930											
		Weigh Station On Ramp	500	880		765		340															
	ŀ	STH 165/ CTH Q OFF RAMP	1365	1156	125	1047		492		72	430			6	2			3	64				
		STH 165/ CTH Q ON RAMP	2071	3045	75						795												
		CTH C/Wilmot Rd OFF RAMP	1373	1835	62.5			172		799	990			2	2			1	17	62		76	
	ŀ	CTH C/Wilmot Rd ON RAMP	1463	2208	127.5	600		22.5		252	1465		4	0			2	10	154		<u> </u>	200	
		STH 50 OFF RAMP CD Road from STH 50 to 71st St	935 1265	2363 1265	437.5 100	688 242		325 353		225 42	1195		4 2	8 4	2			12 4	154	37		308 98	
IH		71st St ON RAMP	862	1992	175	242		1814		42			2	_	2			7		37		90	
N	В	STH 158 OFF RAMP	839	1102	170	395		686		852	806			4	2			2	54				
	L	STH 158 ON RAMP	1159	1842	266					54	1482						2						
		STH 142 OFF RAMP to CTH KR OFF RAMP	46728	46728																			
		STH 142 OFF RAMP	984	1367				461						2	2			1	46				
	ļ	STH 142 ON RAMP	1220	1663													2						
		CTH E/Somers Rd OFF RAMP	955	1260				165								1	_		24	67			
	-	CTH E/Somers Rd ON RAMP CTH KR OFF RAMP	808	1492		1.422	125	745						4	2		2		62	100		124	
		CTH KR OFF RAMP CTH KR ON RAMP	981	1569	125	1422	123	/43						4	2				62	100		114	
		CTH KR ON RAMP to STH 142 ON RAMP	46728	46728	123											1						114	
		CTH KR OFF RAMP	981	1455		274		336						4	2				64	71		146	
		CTH KR ON RAMP	1196	1484			168										4					152	
		CTH E/Somers Rd OFF RAMP	1141	1543				149								1			36	51			
	ļ	CTH E/Somers Rd ON RAMP	944	1791													2						
		STH 142 ON RAMP to State Line	19800	19800					4950			4950											
		STH 142 OFF RAMP	915	1527						159	1028			4	2			4	60				
IH		STH 142 ON RAMP	832	1512		201				57	1355						2		•				
S	SB	STH 158 OFF RAMP	913 1168	1208		396		433		210 747	585			4	2			4	30				
	F	STH 158 ON RAMP STH 71st St OFF RAMP	856	1882 1643	462	240		306		/4/	1413 1222		2	4	2			6	36			110	
		CD Road from 71st St to STH 50	1278	1198	275	240		300		100	500		2	6	2			8	30	65		208	
		STH 50 ON RAMP	935	2223						39	2649						2					82	
	ſ	Wilmot Rd/CTH C OFF RAMP	1204	1691	125			402		177	939			2	2			1	12	80			78
	ļ	Wilmot Rd/CTH C ON RAMP	1084	1707	ļ	ļ				54	1352										_		
		STH 165 OFF RAMP	1751	2045				429		204	495					1					200		
I —		STH 165 ON RAMP	4514	4798	2220	(100	202	792	0000	42	2250	0000	10	E 4	24	2	20	1.0	(50	522	200	1410	70
		TOTAL	170728	186892	2228	6199	293	8400	9900	4085	20951	9900	10	54	24	3	20	46	659	533	200	1418	78

SKIP TAPE LANE LINE AND CHANNELIZING LINE UNLESS NOTED

PROJECT NO: 1000-77-24 HWY: IH 41/94 COUNTY: KENOSHA MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT BY : A.R.H. PLOT BY : A.R.H. PLOT NAME : PLOT SCALE : 1:1

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]	IH 41	GTON COUNTY	646.2 LIN EPOXY	NE	F	646.4020 LINE CPOXY 10-I	N I	646.2041.S LINE WET REFL EPOXY 6-IN	SPV.0090.01 MARKING LINE BLACK EPOXY				A	46.5020 RROW POXY				646.5120 WORD EPOXY	646.6120 STOP LINE EPOXY 18-IN	646.6320 DOTTED EXTENSION EPOXY 18-IN
	USH 45 to	Dodge Co Line	EDGE	LINE	TURN LANE	LANE LINE	GORE	LANE LINE	LANE LINE			TURN LAN	NE			RAMP	MAINLINE	TURN LANE	OFF RAMP	2' LINE, 2' GAP
	ROUTE	LOCATION	YELLOW	WHITE	WHITE	WHITE	WHITE	WHITE	BLACK					TYPE 3R			TYPE 5	ONLY	WHITE	WHITE
- -			LF	LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	Each	EACH	LF	LF
		USH 45/MILE 59.5 TO STH 144 JOINT Mile 67.2	40870	40870								_								
	-	STH 145 OFF RAMP	875	1130								2			2			1		28
		STH 145 Interior RAB				375	225			1	1		2					1		
5		STH 145 ON RAMP	1070	1705																
3		STH 60 EB OFF RAMP	440	1205																
		STH 60 WB OFF RAMP	1415	2138																
		STH 60 ON RAMP	1645	2310																
	IH 41	STH 144 OFF RAMP	1235	1595												1			32	
	NB -	STH 144 ON RAMP	885	1210													2			
		STH 144 JOINT TO Mile 69.8	29250	29250				7312.5	7312.5											
		CTH K OFF RAMP	1715	2050	220		715									1			24	
		CTH K ON RAMP	1220	2310			2170													
		MILE 69.8 TO DODGE CO LINE	45040	45040																
		STH 33 OFF RAMP	1520	1980												1			32	
		STH 33 ON RAMP	1250	2260																
		CTH D OFF RAMP	1625	2140							1		1						36	
_		CTH D ON RAMP	1115	2540																
		DODGE CO LINE to Mile 69.8	45040	45040																
		CTH D OFF RAMP	1340	1945															36	
		CTH D ON RAMP	1185	2315																
		STH 33 OFF RAMP	845	1350												1			38	
		STH 33 ON RAMP	935	2180																
		Mile 69.8 to STH 144	29250	29250				7312.5	7312.5		1		1							
		CTH K OFF RAMP	1245	1750												1			35	
١,	IH 41 SB	CTH K ON RAMP	1365	2560	925		2400													
- 1 '	111 41 30	STH 144 to USH 45/Mile 59.5	40870	40870																
		STH 144 OFF RAMP	1560	1810												1			20	
		STH 144 ON RAMP	1015	1645													2			
		STH 60 OFF RAMP	340	1020]												55	
		STH 60 ON RAMP	660	1420																
		STH 145 OFF RAMP	860	1325							2			2				2	42	
		STH 145 Interior RAB				250	285			2			3							
1_		STH 145 ON RAMP	1000	1850																
		TOTAL	258680	276063	1145	625	5795	14625	14625	3	5	2	7	2	2	6	4	4	350	28

SKIP TAPE LANE LINE AND CHANNELIZING LINE UNLESS NOTED

WAUKESHA IH 43 CTH O/MOO	COUNTY ORLAND RD RAB SOUTH OF IH 43	646.2020 LINE EPOXY 6-IN LANE LINE	646.4020 LINE EPOXY 10-IN GORE		TURI	646.5020 ARROW EPOXY N LANE			646.5120 WORD EPOXY TURN LANE	646.6320 DOTTED EXTENSION EPOXY 18-IN 2' LINE, 2' GAP
ROUTE	LOCATION	WHITE LF	WHITE LF	TYPE 1 EACH	TYPE 2 EACH	TYPE 2R EACH	TYPE 3 EACH	TYPE 6 EACH	ONLY EACH	WHITE LF
IH 43/	IH 43 NB OFF RAMP		Li	Literi	Ericii	2	Exten	2	LITOIT	I.J.
CTH O RAB	INNER CIRCLE	400	240	2	2		3		1	78
TOTAL		400	240	2	2	2	3	2	1	78

PROJECT NO: 1000-77-24 HWY: IH 41 COUNTY: WASHINGTON MISCELLANEOUS QUANTITIES SHEET: **E**

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WALWORTH COUNTY USH 12 STH 120 Roundabouts		EDGELINE		646.4020 LINE EPOXY 10-IN RAMP GORE		646.5020 ARROW EPOXY TURN LANE				646.6320 DOTTED EXTENSION EPOXY 18-IN 2' LINE, 2' GAP	646.7420 CROSSWALK EPOXY 6-IN RAMP
ROUTE	LOCATION	YELLOW	WHITE	WHITE	TYPE 1	TYPE 2	TYPE 3	TYPE 3R	ONLY	WHITE	WHITE
KOUIE	LOCATION	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	LF	LF
USH 12	STH 120 OFF RAMP	810	1030								40
EB	STH 120 ON RAMP	1035	1655								36
LD	STH 120 EB RAB				3	1	5	3	1	46	
USH 12	STH 120 OFF RAMP	1020	1020	75						16	36
WB	STH 120 ON RAMP	890	890								40
WD	STH 120 WB RAB			210	3	1	4	2	1	44	
	TOTAL	3755	4595	285	6	2	9	5	2	106	152

DO NOT PAINT TAPE LANE LINES OR CHANNELIZNG LINES

WAUKESHA COUNTY USH 18 CTH X to Summit Ave		646.2020 LINE EPOXY 6-IN EDGELINE VELLOW WHITE		646.5020 ARROW EPOXY TURN LANE	646.5120 WORD EPOXY TURN LANE	STO	46.6120 OP LINE OXY 18-IN INTERSECTING ROADWAY	646.7120 DIAGONAL EPOXY 12-IN GORE	CF	646.7420 ROSSWALK POXY 6-IN INTERSECTING ROADWAY	646.5320 RAILROAD CROSSING EPOXY
ROUTE	LOCATION	YELLOW	WHITE	TYPE 2	ONLY	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE
	CTILITY C	LF	LF	EACH	EACH	LF	LF	LF	LF	LF	EACH
	CTH X to Summit Ave	16800	16800			60		4.7.6	276	1.10	
	CTH DE			4	2	68		176	256	148	
	TURN LANE			2	1			72			
	RAILROAD CROSSING										3
HGH 10	Mac Arthur Rd			4	2			72			
USH 18	House 2431			2	1			54	200		
WB	Kame Terrace			2	1			65	208		
	Merrill Hills Ct			2	1			65	200		
	Madison St			4	2	67	43	112	188	128	
	Kisdon Hill Dr			2	1				180	104	
	Fiddlers Creek Dr			4	2			65	196		
	Summit Ave			5	2	44		83	275		
	Summit Ave to CTH X	16800	16800								
	Fiddlers Creek Dr			4	2			30			
	Kisdon Hill Dr			2	1			70	200		
	Madison St			4	2	63	31	78	236	102	
USH 18	Merrill Hills Ct			4	2			78	207	102	
EB	Kame Terrace			4	2			78	207	114	
ED	House 2431			2	1			45			
	Mac Arthur Rd			2	1			65			
	RAILROAD CROSSING										3
	TURN LANE			2	1			60			_
	CTH DE			4	2	60	32	84	226	142	
	CTH X			4	2	45			233		
	TOTAL	33600	33600	63	31	347	106	1352	2812	840	6

DO NOT PAINT TAPE LANE LINE OR CHANNELIZING LINE

	PROJECT NO: 1000-77-24	HWY: USH 18	COUNTY: WAUKESHA	MISCELLANEOUS QUANTITIES	SHEET:	E
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WASHINGTON COUNTY USH 45 Ramps and Roundabouts STH 60		EDGELINE		646.4020 LINE EPOXY 10-IN RAMP GORE			646.5020 ARROW EPOXY TURN LAN			646.5120 WORD EPOXY TURN LANE	646.6320 DOTTED EXTENSION EPOXY 18-IN 2' LINE, 2' GAP	646.7520 CROSSWALK EPOXY BLOCK STYLE 24-IN RAMP
ROUTE	LOCATION	YELLOW	WHITE	WHITE	TYPE 1	TYPE 2	TYPE 2R	TYPE 3	TYPE 3R	ONLY	WHITE	WHITE
KOUIE	LOCATION	LF	LF	LF	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF
	Tille Lake Rd to Pharmacal Way	3094										
	STH 60 EB Approach to USH 45 SB				2				2		20	170
	USH 45 SB OFF RAMP	943	1133	432		2	2			2	10	120
	USH 45 SB Inner Circle				3	1		2				
USH 45	USH 45 SB ON RAMP	860	1855	64								
RAB	STH 60 WB Approach to USH 45 SB				2				2	4	14	
	STH 60 EB Approach USH 45 NB				2		2			2	22	
	USH 45 NB OFF RAMP	959	1234	391		2			2	1	32	
	USH 45 NB Inner Circle				3	1		1				
	USH 45 NB ON RAMP	980	1690	149	2			2				70
	STH 60 WB Approach to USH 45 NB				2			2		1	16	
	TOTAL	6836	5912	1036	16	6	4	7	6	10	114	360

	IILWAUKEE COUNTY ISH 45/STH 100		646.2020 LINE EPOXY 6-IN				4020 NE Y 10-IN	SPV.0090.01 MARKING LINE BLACK EPOXY	646.5020 ARROW EPOXY	646.5120 WORD EPOXY	646.6120 STOP LINE EPOXY 18-IN		646.7420 CROSSWALK EPOXY 6-IN	
Rawson A	Ave to Divided before USH 45/STH 36	CENTERLINE	EDGE	LINE	LANE LINE	TURN LANE	GORE	LANE LINE	TURN LANE	TURN LANE	MAINLINE	INTERSECTING ROADWAY	MAINLINE	INTERSECTING ROADWAY
ROUTE	LOCATION	YELLOW	YELLOW	WHITE	WHITE	WHITE	WHITE	BLACK	TYPE 2	WHITE	WHITE	WHITE	WHITE	WHITE
KOUIE	LOCATION	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	LF	LF	LF	LF
	Rawson Ave Bridge Deck to Divided at STH 36/USH 45	5100	5280	8131	1325			1325						
	Church					271			1	1				
USH 45	Woelfel Rd/Friar Ln					341								
USH 45 SB	Drexel Ave					225	283		4	4	56	45	242	192
SB	Speedway					90								
	Target					190			2	2				
	Target					200			2	2				
	STH 36/USH 45 to Rawson Ave Bridge Deck		5280	8131	1300			1300						
	Target					140			2	2				
USH 45	Target					192								
NB	Drexel Ave					185	352		4	2	51	42	222	160
ND	Woelfel Rd/Friar Ln					345								
	Church					110			1	1				
	Rawson Ave						288							
	TOTAL		10560	16262	2625	2289	923	2625	16	14	107	87	464	352

PROJECT NO: 1000-77-24 HWY: USH 45 COUNTY: VARIOUS MISCELLANEOUS QUANTITIES SHEET:

FILE NAME: N:\PDS\...\030200_mq.pptx PLOT DATE: June 14, 1911 PLOT BY: A.R.H. PLOT NAME: PLOT SCALE: 1:1

OZAUKEI STH 32 CTH LL to	E COUNTY o IH 43		646.2020 LINE EPOXY 6-IN	Ŋ	LI	4020 NE Y 10-IN	SPV.0090.01 MARKING LINE BLACK EPOXY	646.5020 ARROW EPOXY	646.5120 WORD EPOXY
		EDGE	LINE	LANE LINE	TURN LANE	RAMP GORE	LANE LINE	TURN LANE	TURN LANE
ROUTE	LOCATION	YELLOW	WHITE	WHITE	WHITE	WHITE	BLACK	TYPE 2	ONLY
ROUIE	LOCATION	LF	LF	LF	LF	LF	LF	EACH	EACH
	IH 43 NB OFF RAMP to CTH LL	12958	12958	3750			3750		
	IH 43 SB OFF RAMP to IH 43 NB OFF RAMP GORE	1275	1275	325			325	2	2
	I-43 NB OFF RAMP					1323			
	House #1867				125				
	EAST FRONTAGE RD				220				
	WEST FRONTAGE RD				125				
STH 32	ULAO PARKWAY				521				
NB	House # 2149				120				
	House # 118				111				
	House # 2273				117				
	BLUE SPRUCE CT					320			
	CROSSOVER				110				
	EAST SAUK RD				219				
1	CTH LL				554				
	IH 43 NB OFF RAMP to CTH LL	12958	12958	3750			3750		
	EAST SAUK RD				342				
	CROSSOVER				119				
	MISTY RIDGE LA				235				
	House # 2275				119				
	House # 123				158				
STH 32	House #2149				117				
SB	ULAO PARKWAY				554				
	WEST FRONTAGE RD				212				
	EAST FRONTAGE RD				120				
	House #1867				125				
	IH 43 SB OFF RAMP to IH 43 NB OFF RAMP GORE	1275	1275	325			325		
	I-43 NB ON RAMP				615				
	I-43 SB ON RAMP				228			2	2
	TOTAL	28466	28466	8150	5166	1643	8150	4	4

PROJECT NO: 1000-77-24 HWY: VARIOUS COUNTY: VARIOUS MISCELLANEOUS QUANTITIES SHEET: **E**

FILE NAME : N:\PDS\...\030200_mq.pptx PLOT BY : A.R.H. PLOT NAME : PLOT NAME : PLOT SCALE : 1:1

STH 36	JKEE COUNTY Fardale Ave	646.2 LIN EPOXY EDGE	NE Y 6-IN	646.2041.S LINE WET REFL EPOXY 6-IN LANE LINE	646.4041.S LINE WET REFL EPOXY 10-IN TURN LANE	646.5020 ARROW EPOXY TURN LANE	646.5120 WORD EPOXY TURN LANE	STC	6.6120 OP LINE XY 18-IN INTERSECTING ROADWAY	CRO	46.7420 DSSWALK DXY 6-IN INTERSECTING ROADWAY
Route	LOCATION	YELLOW	WHITE	WHITE	WHITE	TYPE 2	WHITE	WHITE	WHITE	WHITE	WHITE
Route	LOCATION	LF	LF	LF	LF	EACH	EACH	LF	LF	LF	LF
	51st St to Layton Ave/CTH Y	4015	4015	1000							
	Edgerton Ave				330	3	1	61	27	212	122
	Aurora Health Center				135						
	Aurora Health Center				390	2	1				
STH 36	Layton Ave				555	3	1	47	62	200	256
NB	43rd Ave to Fardale Ave	6550	6550	1625							
ND	Cold Spring Rd				215	4		55	30	214	130
	35th St				130	2	1				
	Howard Ave				335	4	1	62	39	220	166
	3390				105						
	Fardale Ave				75					228	
	Fardale Ave to 43rd Ave	6550	6550	1625							
	Miner St/33rd St				155						
	Howard Ave				250	4	1	48	48	234	174
	35th St				105	2	1				
STH 36	Cold Spring Rd				345	4	2	53	36	220	150
SB	Park and Ride				110	2					
	Layton Ave/CTH Y to 51st St	4015	4015	1000							
	Southpointe Healthcare Center				195						
	Edgerton Ave				345	4	2	66	30	253	172
	51st ST				175						
	TOTAL	21130	21130	5250	3950	34	11	392	272	1781	1170

1100-46-71 Project Coordination from Layton Ave to 43rd Ave

STH 36	AND WAUKESHA COUNTY	E	646.2020 Line Poxy 6-1	N I	STC	6.6120 OP LINE XY 18-IN	646.7120 Diagonal Epoxy 12-in	CRC	46.7420 OSSWALK OXY 6-IN
Loomis R	d Wind Lake to USH 45	EDGEL	INE	LANE LINE	MAINLINE	INTERSECTING ROADWAY	GORE	MAINLINE	INTERSECTING ROADWAY
Route LOCATION		YELLOW WHIT		WHITE	WHITE	WHITE WHITE		WHITE	WHITE
Route	LOCATION	LF	LF	LF	LF	LF	LF	LF	LF
STH 36	Loomis Rd to USH 45/STH 100	33369	33369	8350					
NB	Muskego Dam				49	12	224		
IND	USH 45				42	68			
	USH 45/STH 100 to Loomis Rd	33369	33369	8350					
STH 36	USH 45				42	25			
SB Muskego Dam					46	22		230	100
	Loomis Rd				40			224	
	TOTAL	66738	66738	16700	219	127	224	454	100

PROJECT NO: 1000-77-24 HWY: STH 36 COUNTY: VARIOUS MISCELLANEOUS QUANTITIES SHEET: **E**

STH 50	A COUNTY		646.2020 LINE EPOXY 6-1	N	646.4020 LINE EPOXY 10-IN	SPV.0090.01 MARKING LINE BLACK EPOXY	ARF	5020 ROW DXY	646.5120 WORD EPOXY	STO	16.6120 OP LINE OXY 18-IN	CR	046.7420 OSSWALK OXY 6-IN	
236th Ave	to 118th Ave	EDGE	ELINE	LANE LINE	TURN LANE	LANE LINE		LANE	TURN LANE	MAINLINE	INTERSECTING ROADWAY	MAINLINE	INTERSECTING ROADWAY	
ROUTE	LOCATION	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	BLACK LF	TYPE 1 EACH	TYPE 2 EACH	WHITE EACH	WHITE LF	WHITE LF	WHITE LF	WHITE LF	
-	236th Ave to 118th Ave	38300	38300	9550	LF	9550	ЕАСП	EACH	EACH	LΓ	LF	LΓ	Lr .	
	Crossover		20200	7000	890	7660								
	216th Ave				475			2	1					
•	Pfeiffer Trailer Sales				1320									
	USH 45				1310			4	2	40	38			
	Crossovers				680									
•	CTH D				545			4	2					
	Crossovers				1280									
	CTH MB				435			2	1					
STH 50	156th Ave				245			2	1					
EB	Crossovers				530									
	144th Ave				1455			4	2					
	Crossovers/Driveway				520			2	1					
	130th Ave				400			2	1					
	128th Ave				235			2	1					
	125th Ave				1295			2	1					
	123rd Ave				1010			2	1					
	IH 41 SB On Ramp				1120		2		2	65		154	86	
	IH 41 NB On Ramp				385			4	2	65	76		152	
	118th Ave				1580			4	4	67		158		
	118th Ave to 236TH Ave, Paddock	38300	38300	9550		9550								
	IH 41 NB On Ramp				905		2	1	3	65	60	154	80	
-	IH 41 SB On Ramp 122nd Ave				370 240			4	2	65	68		136	
	123rd Ave				895			4	2	81		254	192	
	125th Ave				1025			2	1	01		234	192	
-	128th Ave				235			2	1					
	130th Ave				190			2	1					
	Crossovers/Driveway				490									
STH 50	144th Ave				1665			4	2					
WB	Crossovers				510									
	156th Ave				185			2	1					
•	CTH MB				250			2	1					
	Crossovers				1210									
	CTH D				525			4	2					
	Crossovers				750									
	USH 45				1333			2	1	40	36			
	Crossover				1240									
	216th Ave				245			2	1					
	Crossover				920									
	TOTAL	76600	76600	19100	28893	19100	4	67	40	488	218	720	646	
CT NO: 1000	-77-24 HWY:	STH 50		COUNT	Y: KENOSHA	М	IISCELLANE	OUS QUAI	NTITIES				SHEET:	E

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	A COUNTY		646.202 LINE		646.4020 LINE	SPV.0090.01 MARKING LINE	646.5020 ARROW	646.5120 WORD		646.6120 STOP LINE
STH 50	4- Chan Laka DJ		EPOXY 6	-IN	EPOXY 10-IN	BLACK EPOXY	EPOXY	EPOXY		EPOXY 18-IN
381st Ave	to Silver Lake Rd	EDGEI	LINE	LANE LINE	TURN LANE	LANE LINE	TURN LANE	TURN LANE	MAINLINE	INTERSECTING ROADWAY
		YELLOW	WHITE	WHITE	WHITE	BLACK	TYPE 2	WHITE	WHITE	WHITE
ROUTE	LOCATION	LF	LF	LF	LF	LF	EACH	EACH	LF	LF
	381st Ave to Silver Lake Rd/CTH F	43250	43250	10800	Li	10800	Erich	12/1011	Li	E1
	381st Ave	13230	13230	10000	225	10000	1	1		
	Crossover				130		1	1		
	376th Ave				190		1	1		
							1	1		
	Crossover				185					
	368th Ave/ CTH O				1225		3	3	51	22
	Crossovers				280					
	352nd Ave/ CTH KD				350		4	2		
	Crossover				390					
	STH 83/Geneva Rd				375		4	2		
CTIL 50	Crossovers				500					
STH 50 EB	CTH W South				235		2	1		
LD	CTH W North				80		1	1		
	Crossover				160					
	319th Ave				165					
	317th Ave				315		2	1		
	Crossovers				455					
	304th Ave				465		2	1		
	Crossovers				970					
	288th Ave/CTH B				1180		3	2	75	45
	Crossovers				1185					
	75th St Inn				155					
	261st Ave				435		2	1		
	Crossover	122.50	122.50	10000	135	10000				
	Silver Lake Rd/CTH F to 381st Ave	43250	43250	10800	120	10800				
	Crossover				120					
	261st Ave				220		2	1		
	75th St Inn				185					
	Crossovers				1215			2	72	50
	288th Ave/CTH B				1315		4	2	73	59
	Crossovers				845		2	1		
	304th Ave				195		2	1		
	Crossovers				445		2			
	317th Ave 319th Ave				180		2	•		
STH 50					150		2			
WB	Crossover CTH W North				140 435		2	1		
WD	CTH W North				433 55		2 1	1		
	Crossovers				510		1	1		
	STH 83/Geneva Rd				380		4	2	64	25
	Crossovers				400		7	2	04	23
	352nd Ave/ CTH KD				340		4	2		
	Crossovers				295		7			
	368th Ave/ CTH O				1250		4	2	47	22
	Crossover				195		7	2	7/	22
	376th Ave				190		2	1		
	Crossover				180			1		
	381st Ave				195					
	TOTAL	86500	86500	21600	19220	21600	54	29	310	173
	101711	1 30300	00000	21000	1,7220	1 21000	l 5'	l 2/	1 310	1 1/3

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MISCELLANEOUS QUANTITIES

COUNTY: KENOSHA

HWY: STH 50

PROJECT NO: 1000-77-24

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PROJECT NO: 1000-77-24

MILWAU STH 100 STH 241	UKEE COUNTY to STH 38	646.20 LIN EPOXY EDGEI	E 6-IN	L	5.4020 INE XY 10-IN GORE	646.2041.S LINE WET REFL EPOXY 6-IN LANE LINE	SPV.0090.01 MARKING LINE BLACK LAG MAINLINE	ARF EPC TURN	5020 ROW OXY I LANE	646.5120 WORD EPOXY TURN LANE	ST(EPC	46.6120 OP LINE OXY 18-IN INTERSECTING ROADWAY	CR	646.7420 OSSWALK POXY 6-IN INTERSECTING ROADWAY
ROUTE	LOCATION	YELLOW		WHITE	WHITE	WHITE	BLACK		TYPE 3	WHITE	WHITE	WHITE	WHITE	WHITE
	STH 241 to STH 38	LF 11088	LF 11088	LF	LF	LF 2775	LF 2775	EACH	EACH	EACH	LF	LF	LF	LF
	Oakbrook Shopping Center Elwood Corp Oak Creek Municpal Ct Edgerton Contractors	11000	11000	190 355 325 380		27,73	2773							
STH 100 NB	Cummins Sales Bartel Ct South 13th St IH 41 IH 41			345 760 125 800 425	610 330			2 4 4 2	1	1 2 2 2	57 77 49 59	43	324 226	250
	20th ST/ Ardys 22nd St Pick N Save Auto Zone		140	1060 140 325 415	295 535			4 4 1		4 2 1	61 76	27		152
-	STH 241 STH 38 to STH 241	11088	195 11088	645		2775	2775	6		6	76	60	238	220
	Pick N Save	11000	11000	665		2773	2113	2		2				
	22nd St			668				2		2	66	17	240	86
	20th St		150	150				2		2	56	44	234	190
	IH 41		320	815				2		2	64		192	
	IH 41			881				4		4	61			
STH 100	Park n Ride			200				2		2				
SB	South 13th St			600				6		3	88	70	320	264
	Bartel Ct			190				2		1	60	41		210
	Cummins Sales			345										
	Edgerton Contractors			354										
	Oak Creek Municpal Ct			330										
	Brentwood Animal Hospital			340										
	Lakeside Credit Union			365	552			9		9	7.0	62	200	250
	STH 38			526	553						76	63	288	250
	TOTAL	22176	22981	12719	2323	5550	5550	58	1	47	926	365	2062	1622

MILWAUKEE COUNTY STH 119 IH 94 to STH 38 ROUTE LOCATION STH 119 NB IH 94 to STH 38 ON RAMP STH 119 SB STH 38 OFF RAMP to IH 94 OFF RAI TOTAL	646.2 Lii Epox Edge	NE	646.2041.S LINE WET REFL EPOXY 6-IN LANE LINE	646.4041.S LINE WET REFL EPOXY 10-IN GORE	SPV.0090.01 MARKING LINE BLACK LAG MAINLINE	
ROUTE	LOCATION	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	BLACK LF
STH 119 NB	IH 94 to STH 38 ON RAMP	7450	7450	1700	2300	1700
STH 119 SB	STH 119 SB STH 38 OFF RAMP to IH 94 OFF RAMP		7450 7450 1700		2300	1700
TOTAL		14900	14900	3400	4600	3400

MISCELLANEOUS QUANTITIES

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HWY: STH 100

COUNTY: MILWAUKEE

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	STH 164	IA COUNTY ood Hope Rd		646.2020 LINE POXY 6-IN	I LANE LINE	NE TURN LANE TURN LANE I		646.5120 WORD EPOXY TURN LANE	ST EPC	46.6120 OP LINE DXY 18-IN INTERSECTING ROADWAY	I RAMP I		646.5320 RAILROAD CROSSING EPOXY	SPV.0090.02 MARKING STOP LINE EPOXY 24-IN	
	COUNTY	LOCATION	YELLOW		WHITE	WHITE	TYPE 1	TYPE 2	WHITE	WHITE	WHITE	YELLOW	WHITE	WHITE	WHITE
			LF	LF	LF	LF	EACH	EACH	EACH	LF	LF	LF	LF	EACH	LF
3		IH 94 to Good Hope Rd	60561	60564	18955										
٦		Stone Ridge Dr				422		4	2	60	25				
		Busse Rd				422				34	23				
		River Wood Dr				264									
		Ridgeview Pkwy				475				456	38				
		Hawks Meadow Dr				369									
		River Park Ct				264									
		CTH M				475				36	36				
		Paul Rd				317									
		Schuett Dr				475									
		Green Rd				422				48	31				
		Rough Hill Rd				475									
		Crossover				106									
		STH 190				581				48	65	274	296		
		Swan Rd				422				48	39				
		Church Ent				1095				62	15	242	140		
	STH 164	Chesterwood				211									
	NB	Lake Park Dr				475									
		Lindsay Rd				475									
		Seven Stones Dr				264				40	40	2.40	212		
		CTH K				686				48	40	240	212		
		Corporate Circle Dr				211									
		Crossover				106									
		N Corporate Cir Clover Dr				475 475									
						473 264									
		Crossover				264 475									
		Prospect Circle CTH VV				528				44	60	232	190		_
		Private Dr				328 211		2	2	44	00	232	190		
		Crossover				211		2	2 2						
		Stonegate CT				435		<u> </u>	2					2	12
		RAILROAD CROSSING				433 211								۷	12
		Indian Grass Ln				475		2	1						
		Good Hope Rd				473		2	2						
		TOTAL	60561	60564	18955	13194	0	12		884	372	988	838	2	12
		IUIAL	00301	00304	10933	13194	0	12	9	884	3/2	988	838	2	12

PROJECT NO: 1000-77-24 HWY: STH 164 COUNTY: WAUKESHA MISCELLANEOUS QUANTITIES SHEET: **E**

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	WAUKESH STH 164 Good Hope			646.2020 LINE POXY 6-IN LLINE	LANE LINE	646.4020 LINE EPOXY 10-IN TURN LANE		546.5020 ARROW EPOXY JRN LANE	646.5120 WORD EPOXY TURN LANE	ST EPO	46.6120 OP LINE DXY 18-IN INTERSECTING ROADWAY	CRO EP	46.7420 DSSWALK DXY 6-IN INTERSECTING ROADWAY	646.5320 RAILROAD CROSSING EPOXY	SPV.0090.02 MARKING STOP LINE EPOXY 24-IN
			YELLOW	WHITE	WHITE	WHITE	TYPE 1	TYPE 2	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE
	COUNTY	LOCATION	LF	LF	LF	LF	EACH	EACH	EACH	LF	LF	LF	LF	EACH	LF
		Good Hope Rd to IH 94	60561	60561	18955										
3		Indian Grass Ln				422									
		Crossover				26									
_		RAILROAD CROSSING				106								2	12
		Stonegate Ct				462		2							
		Crossover				264									
		CTH VV				581									
		Prospect Cir				898		2	2						
		Crossover				106									
		Clover Dr				475									
		Richmond Rd				422									
		Business Dr				590		2	1						
		Crossover				106									
		S Corporate Cir				264									
		CTH K				686									
		Seven Stones Dr				475									
	STH 164	Lindsay Rd				475									
	SB	Lake Park Dr				475									
	SB	Chesterwood Ln				264									
		Church Ent				1202									
		Swan Rd				727									
		Private Dr				304									
		STH 190				1293		4	4	71	252	60	298		
		Crossover				106									
		Rough Hill Rd				528		2	2	59	36	228	182		
		Green Rd				475									
		Schuett Dr				264									
	-	Paul Rd				475				2.6	40	100			
		CTH M				528				36	48	190	106		
		River Park Dr				158				48	32		196		
	-	Brandon Oak Dr				422									
		Avondale Blvd				422				26	40				
	-	Riverwood Dr				422				36	48				
		Tower Rd				158		2	,	58	40				
		I-94	(05(1	(05)	10055	687	2	2	4	38	455	470	(7)	2	10
		TOTAL	60561	60561	18955	15268	2	14	13	346	456	478	676	2	12

MISCELLANEOUS QUANTITIES

COUNTY: WAUKESHA FILE NAME: N:\PDS\...\030200_mq.pptx PLOT NAME : PLOT SCALE: 1:1 PLOT DATE: June 14, 1911 PLOT BY: A.R.H.

HWY: STH 164

PROJECT NO: 1000-77-24

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STH 164	HA COUNTY I Ln to STH 59	LII EPOX	646.2020 LINE EPOXY 6-IN		1041.S ET REFL Y 10-IN I	646.5020 ARROW EPOXY	646.5120 WORD EPOXY	646.6120 STOP LINE EPOXY 18-IN			
1		EDGELINE		LEFT TURN	RIGHT TURN	TURN LANE	TURN LANE	MAINLINE	ROADWAY		
ROUTE	LOCATION	YELLOW	WHITE	WHITE	WHITE	TYPE 2	WHITE	WHITE	WHITE		
KOUIE	LOCATION	LF	LF	LF	LF	EACH	EACH	LF	LF		
	Woodland Ln to STH 59 IH 43 NB ON RAMP IH 43 SB ON RAMP	22970	24000	264 145		2	1	44 36			
	CTH ES			632	487	6	4	72	36		
	DREAMCATCHER WAY			66	180	2	1				
	House W238			58							
	SKYLINE AVE			366	226	2	1				
	Crossover			48							
STH 164	TOWNLINE RD			425	189	2	1				
NB	COYOTE CROSSING			53							
ND	RED WING DR			148							
	GLENDALE RD			264	423	2	1				
	House w239			56							
	House w240			52							
	СТН І			374	439	4	2	57	23		
	House 4415			61							
	ROCKWOOD WAY			436							
	WILMONT DR			469	504						
	USH 18/STH 59	22050	24000	1499	504	4	2				
	STH 59 TO Woodland Ln	22970	24000				4				
	WILMONT DR				507	2	1				
	ROCKWOOD WAY			7.6	204	2	1				
	House 4415			56	414	4	2	<i>C</i> 1	22		
	CTH I House 4901	+		211	414	4	2	61	23		
	House 5122			73 54							
	GLENDALE RD			446	204	2	1				
	Crossover			48	204	2	1				
STH 164	House 5850			47							
SB	RED WING DR			58							
	COYOTE CROSSING			150							
	TOWNLINE RD			211	439	2	1				
	Crossover			83							
	SKYLINE AVE			200	406	2	1				
	DREAMCATCHER WAY			443							
	CTH ES			613	459	2	1	37	24		
	IH 43 South ON RAMP							35			
	ON to N 43			150		2	1	37			
-	TOTAL	45940	48000	8259	5081	42	22	379	106		

PROJECT NO: 1000-77-24 HWY: STH 164 COUNTY: WAUKESHA MISCELLANEOUS QUANTITIES SHEET: **E**

3	STH 175	TEE COUNTY ve/ STH 59 to Lisbon Rd	I EDGE	646.2020 LINE EPOXY 6-IN	N LANE LINE	E TURN LANE	646.4020 LINE EPOXY 10-IN DOTTED LINE	N RAMP GORE	ΤŪ	AR	6.5020 RROW POXY	MAINLINE	646.5120 646.6120 WORD STOP LINE EPOXY EPOXY 18-IN TURN OFF INTERSECTING LANE RAMP ROADWAY			CR	646.7420 COSSWALK POXY 6-IN INTERSECTING ROADWAY	Comments
	COUNTY	LOCATION	YELLOW	WHITE	WHITE	WHITE	WHITE	WHITE	TYPE 1	TYPE 2	TYPE 3	TYPE 5	WHITE	WHITE	WHITE	WHITE	WHITE	
			LF	LF	LF	LF	LF	LF	EACH	EACH	EACH	Each	EACH	LF	LF	LF	LF	
		National Ave to Lisbon Ave American Family Field OFF RAMP American Family Field ON RAMP	19008 528 678	15625 1267 757	4625 237.5 175	167	1600	957 272	2	4			4	78	140	28	156	
		IH 94 East OFF RAMP IH 94 West OFF RAMP IH 94 West ON RAMP IH 94 East ON RAMP						402 715				2						SKIP SKIP
	STH 175 NB	USH 18 OFF RAMP USH 18 ON RAMP	253 764	473 1113				337 829		1	2	2		35		72		
		Martin Dr OFF RAMP Martin Dr ON RAMP	503 590	974 803			403	942 387						39				
		Washington Blvd/Olmstead Way OFF RAMP Lloyd St OFF RAMP Lloyd St ON RAMP Lisbon Ave	754 532 528	1163 989 635		122 182		819 1115	2	2 5	1 2		3	41 26 35	59	82 94		
		Lisbon Ave to National Ave Lisbon Ave	19008	16520	4625			134										
		47th ON RAMP State St OFF RAMP State St ON RAMP	741 391 406	381 695 723				798 528 924		1				21	36	66	144	
	STH 175 SB	USH 18 OFF RAMP USH 18 ON RAMP	370 384	873 580			930	1115 395	1		1			48			96	ON TO
		IH 94 OFF RAMP																SKIP

PROJECT NO: 1000-77-24 HWY: STH 175 COUNTY: MILWAUKEE MISCELLANEOUS QUANTITIES SHEET: **E**

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IH 94 ON RAMP

American Family Field OFF RAMP

American Family Field ON RAMP

National Ave/STH 59 OFF RAMP

TOTAL

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			646.202	0	646.4020	646.5020	646.5120	64	46.6120	646.7420
OZAUKEE	COUNTY		LINE		LINE	ARROW	WORD	ST	OP LINE	CROSSWALK
STH 181 Milwaykoo/Ozaykoo Co Lino to STH 167			EPOXY 6-	IN	EPOXY 10-IN	EPOXY	EPOXY	EP(DXY 18-IN	EPOXY 6-IN
Milwaukee	Milwaukee/Ozaukee Co Line to STH 167		EDGELINE		TURN LANE	TURN LANE	TURN LANE	MAINLINE	INTERSECTING ROADWAY	RAMP
COUNTY	LOCATION	YELLOW	WHITE	WHITE	WHITE	TYPE 2	WHITE	WHITE	WHITE	WHITE
COUNTY	LOCATION	LF	LF	LF	LF	EACH	EACH	LF	LF	LF
	Milwaukee Co Line to STH 167	9557	8607	2600						_
	House #9716				61					
	Field Entrace				68					
	Wayside Nurseries Driveway				62					
	Vessels of Honour Church				106					
STH 181	Golf Course				56					
NB	DONGES BAY RD				375	2	1	51	40	
	HIDDEN CREEK DR				285					
	Essex Dr				302					
	Knightsbridge Dr				318					
	MEQUON SQUARE DR				116					
	STH 167				600			32		202
	STH 167 to Milwaukee Co Line	9295	8976	2600						_
	MEQUON SQUARE DR				382					
	Knightsbridge Dr				247					
	Essex Dr				876					
	HIDDEN CREEK DR				765					
STH 181	DONGES BAY RD				432	2	1	47	38	
SB	Golf Course				58					
	CROSSOVER				106					
	Wayside Nurseries Driveway				64					
	Field Entrace				73					
	House #9617				68					
	Milwaukee Co Line				636	4	3	57		
	TOTAL	18852	17583	5200	6056	8	5	187	78	202

PROJECT NO: 1000-77-24 HWY: STH 181 COUNTY: OZAUKEE MISCELLANEOUS QUANTITIES SHEET: **E**

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	2024 SO	UTHEAST LONGLINE M	ARKINGS SUMMARY		LI	2020 NE Y 6-IN			646.4020 Line EPOXY 10-IN		646.2041.S LINE WET REFL EPOXY 6-IN	LII	646.4041.S NE WET RI EPOXY 10-I	EFL	SPV.0090.01 MARKING LINE BLACK EPOXY
				CENTERLINE	ED	GELINE	LANE LINE	TURN LANE	DOTTED LINE	GORE	LANE LINE	3' LINE, 9' GAP	GORE	TURN LANE	LANE LINE
ROUTE	MILES	COUNTY	LIMITS	YELLOW LF	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	BLACK LF
	13	KENOSHA	State Line to Racine/Kenosha Co Line	LF	170728	186892	2228	6199	293	8400	9900	4085	20951	Lr	9900
IH 41	21	WASHINGTON	USH 45 to Washington/Dodge County Line		258680	276063		1145	625	5795	14625				14625
IH 43	0	WAUKESHA	CTH O/Moorland Rd Roundabout				400			240					
USH 12	0	WALWORTH	STH 120 Roundabout		3755	4595				285					
USH 18	3.2	WAUKESHA	CTH X to Summit Ave		33600	33600									
USH 45	0.5	WASHINGTON	STH 60 Ramps and Roundabout		6836	5912				1036					
USH 45/ STH 100	1.5	MILWAUKEE	Rawson Ave to USH 45/STh 36	5100	10560	16262	2625	2289		923					2625
STH 32	2.5	OZAUKEE	CTH LL to IH 43		28466	28466	8150	5166		1643					8150
STH 36	2.3	MILWAUKEE	51st St to Fardale Ave		21130	21130					5250			3950	
STH 36	7.5	RACINE/WAUKESHA	Loomis Rd to USH 45		66738	66738	16700								
STH 50	14.5	KENOSHA	236th Ave to 118th Ave		76600	76600	19100	28893							19100
STH 50	16	KENOSHA	381st Ave to Silver Lake Rds		86500	86500	21600	19220							21600
STH 100	4	MILWAUKEE	STH 241 to STH 38		22176	22981		12719		2323	5550				5550
STH 119	1	MILWAUKEE	IH 94 to STH 38		14900	14900					3400		4600		3400
STH 164	7.5	WAUKESHA	IH 94 to Good Hope Rd		121122	121125	37910	28462							
STH 164	4.5	WAUKESHA	Woodland Ln to STH 59		45940	48000								13340	
STH 175	3	MILWAUKEE	National Ave to Lisbon Rd		47155	45503	10000	471	3695	11765					
STH 181	2	OZAUKEE	Ozaukee/Milwaukee County Line to STH 167		18852	17583	5200	6056							
	104	4	SUBTOTAL	5100	1033738	1072850	123913	110620	4613	32410	38725	4085	25551	17290	84950
		TOTAL			223	5601			147643		38725		46926	•	84950

PROJECT NO: 1000-77-24 HWY: VARIOUS COUNTY: VARIOUS MISCELLANEOUS QUANTITIES SHEET: **E**

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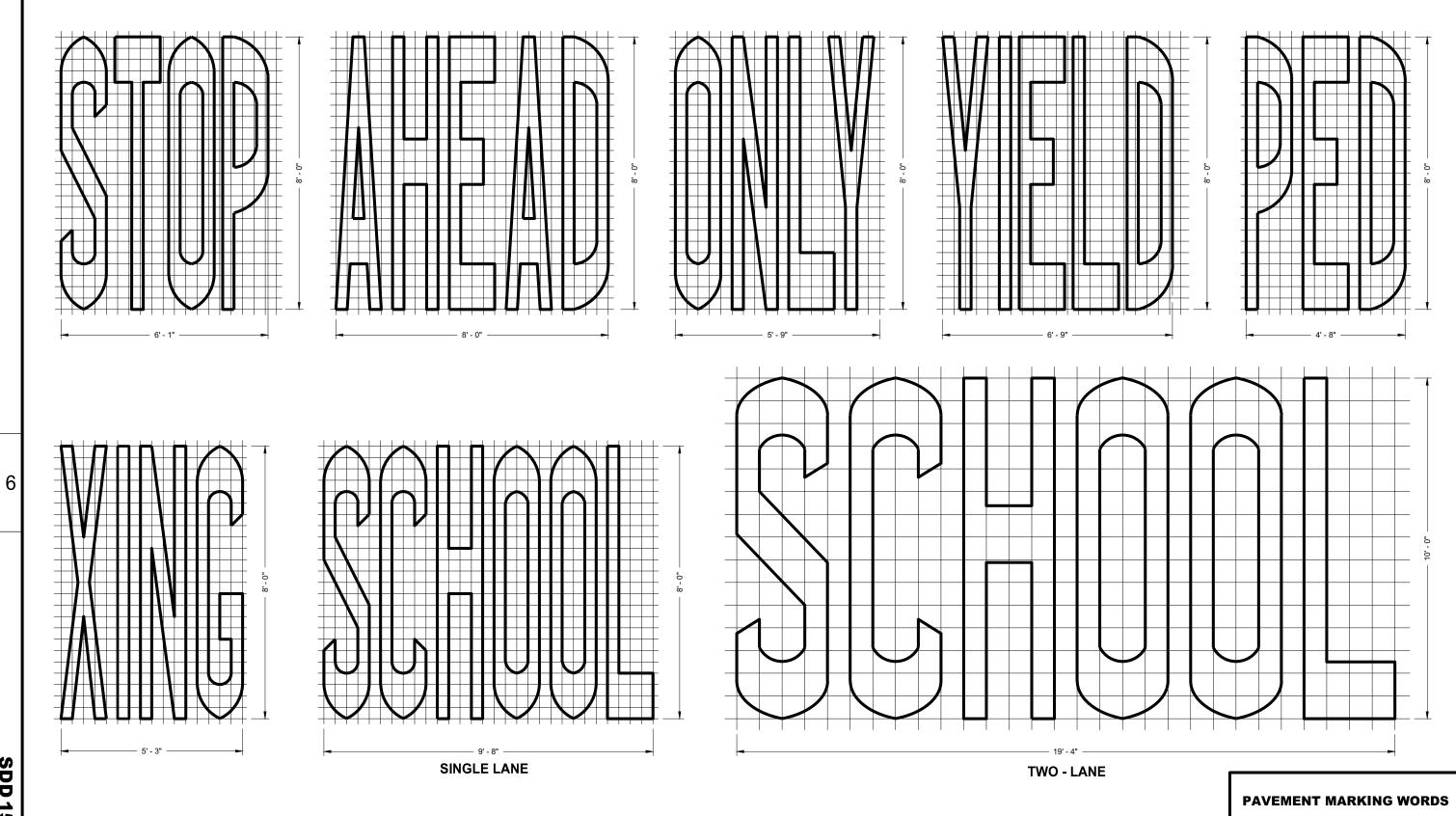
<u>2</u>	024 SOUTHEAST SPECL	AL MARKINGS SUMMARY	646.5020 ARROW EPOXY	646.5120 WORD EPOXY	646.6120 STOP LINE EPOXY 18-IN	646.7120 DIAGONAL EPOXY 12-IN	646.6320 DOTTED EXTENSION EPOXY 18-IN	646.7420 CROSSWALK EPOXY 6-IN	646.7520 CROSSWALK EPOXY BLOCK STYLE 24-IN	646.5320 RAILROAD CROSSING EPOXY	SPV.0090.02 MARKING STOP LINE EPOXY 24-IN
ROUTE	COUNTY	LIMITES	EPOXY EACH	ONLY EACH	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	WHITE EACH	WHITE LF
IH 41	KENOSHA	State Line to Racine/Kenosha Co Line	111	46	1192	200	Li	1496	Li	LACII	LI.
IH 41	WASHINGTON	USH 45 to Washington/Dodge County Line	31	4	350		28				
IH 43	WAUKESHA	CTH O/Moorland Rd Roundabout	11	1			78				
USH 12	WALWORTH	STH 120 Roundabout	22	2			106	152			
USH 18	WAUKESHA	CTH X to Summit Ave	63	31	453	1352		3652		6	
USH 45	WASHINGTON	STH 60 Ramps and Roundabout	39	10			114		360		
USH 45/ STH 100	MILWAUKEE	Rawson Ave to USH 45/STH 36	16	14	194			816			
STH 32	OZAUKEE	CTH LL to IH 43	4	4							
STH 36	MILWAUKEE	51st St to Fardale Ave	34	11	664			2951			
STH 36	RACINE/WAUKESHA	Loomis Rd to USH 45			346	224		554			
STH 50	KENOSHA	236th Ave to 118th Ave	71	40	706			1366			
STH 50	KENOSHA	381st Ave to Silver Lake Rd	54	29	483						
STH 100	MILWAUKEE	STH 241 to STH 38	59	47	1291			3684			
STH 164	WAUKESHA	IH 94 to Good Hope Rd	28	22	2058			2980		4	24
STH 164	WAUKESHA	Woodland Ln to STH 59	42	22	485						
STH 175	MILWAUKEE	National Ave to Lisbon Rd	39	16	807			1034			
STH 181	OZAUKEE	Ozaukee/Milwaukee County Line to STH 167	8	5	265			202			
		TOTAL	632	304	9294	1776	326	18887	360	10	24

Undistributed Qua	ntities
619.1000 Mobilization	1
SPV.0060.01 Traffic Control	1
646.1555 Marking Line Grooved Contrast Tape 4-IN	50
646.3555 Marking Line Grooved Contrast Tape 8-IN	50
646.5420 Marking Line Aerial Enforcement Bars	80

PROJECT NO: 1000-77-24 HWY: VARIOUS COUNTY: VARIOUS MISCELLANEOUS QUANTITIES SHEET: **E**

Standard Detail Drawing List

15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15D	ROUNDABOUT ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C09-13A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C14-04	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C18-08A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-08C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C19-08A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-08B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-08C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C31-05A	PAVEMENT MARKING EXIT RAMP AND PARALLEL EXIT RAMP
15C31-05B	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-05C	PAVEMENT MARKING ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP
15C31-05D	PAVEMENT MARKING LANE DROP AND LANE REDUCTION
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D12-11A	TRAFFIC CONTROL, LANE CLOSURE
15D20-07A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-07B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-07C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D37-03	TRAFFIC CONTROL, 2-LANE ROUNDABOUT
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



SDD 15C07 15b

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.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

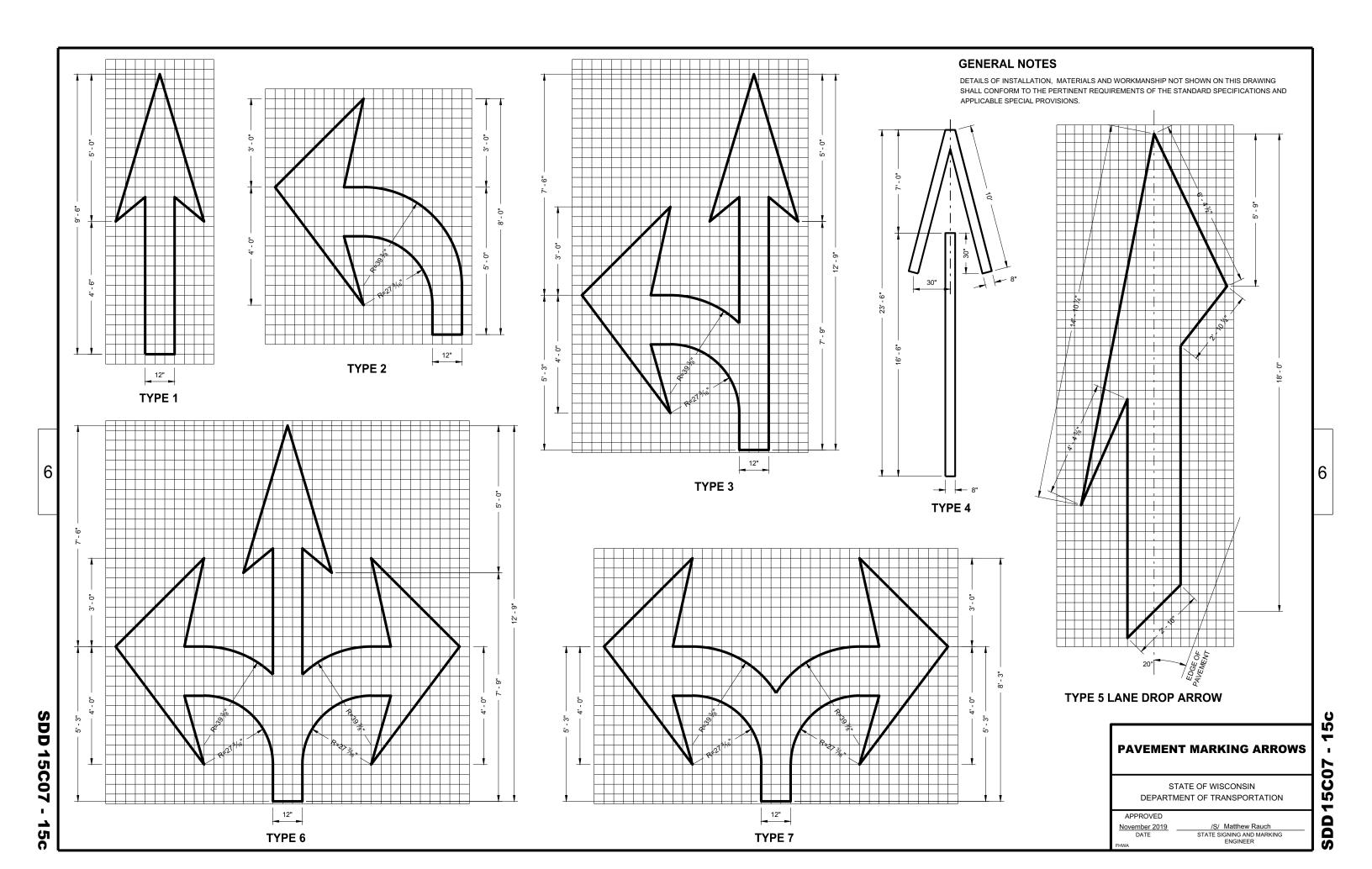
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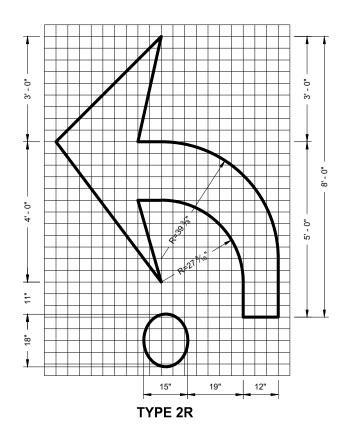
November 2019 ____ /S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER

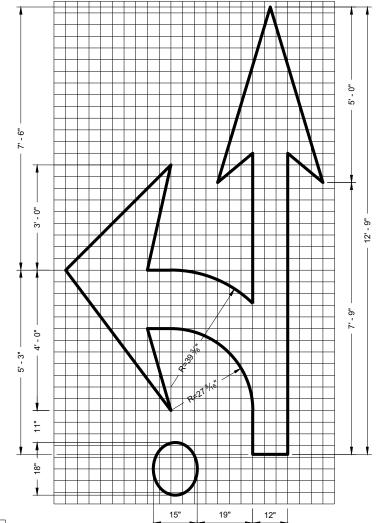
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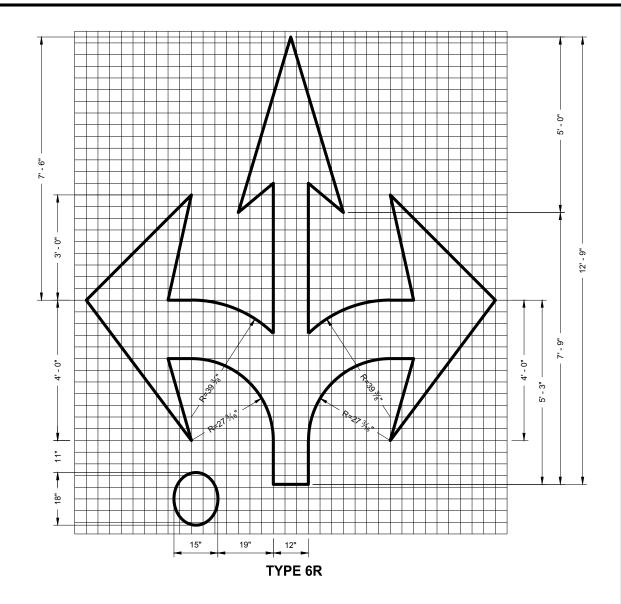
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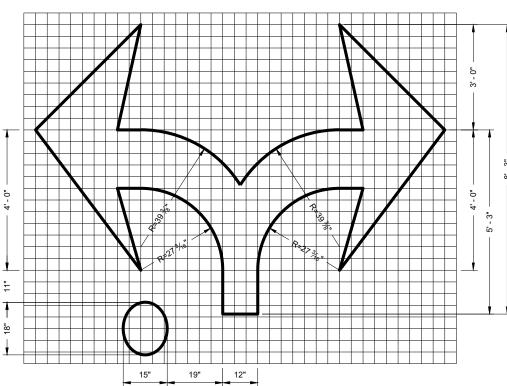






TYPE 3R





TYPE 7R



ROUNDABOUT
MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

November 2019

DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER

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5C07

SDD

SDD 15C07 - 15d

GENERAL NOTES

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

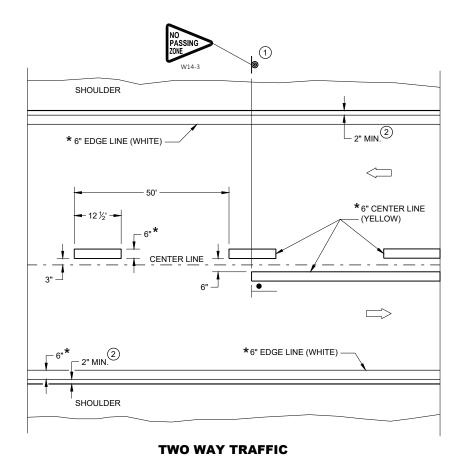
LEGEND

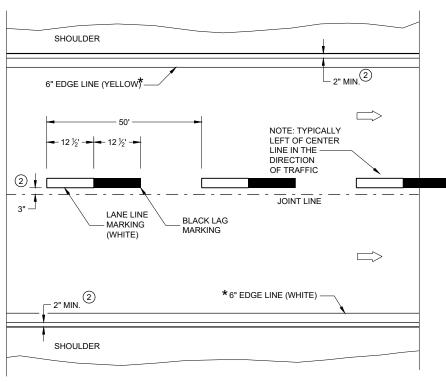
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES





ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

C08-2

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SD

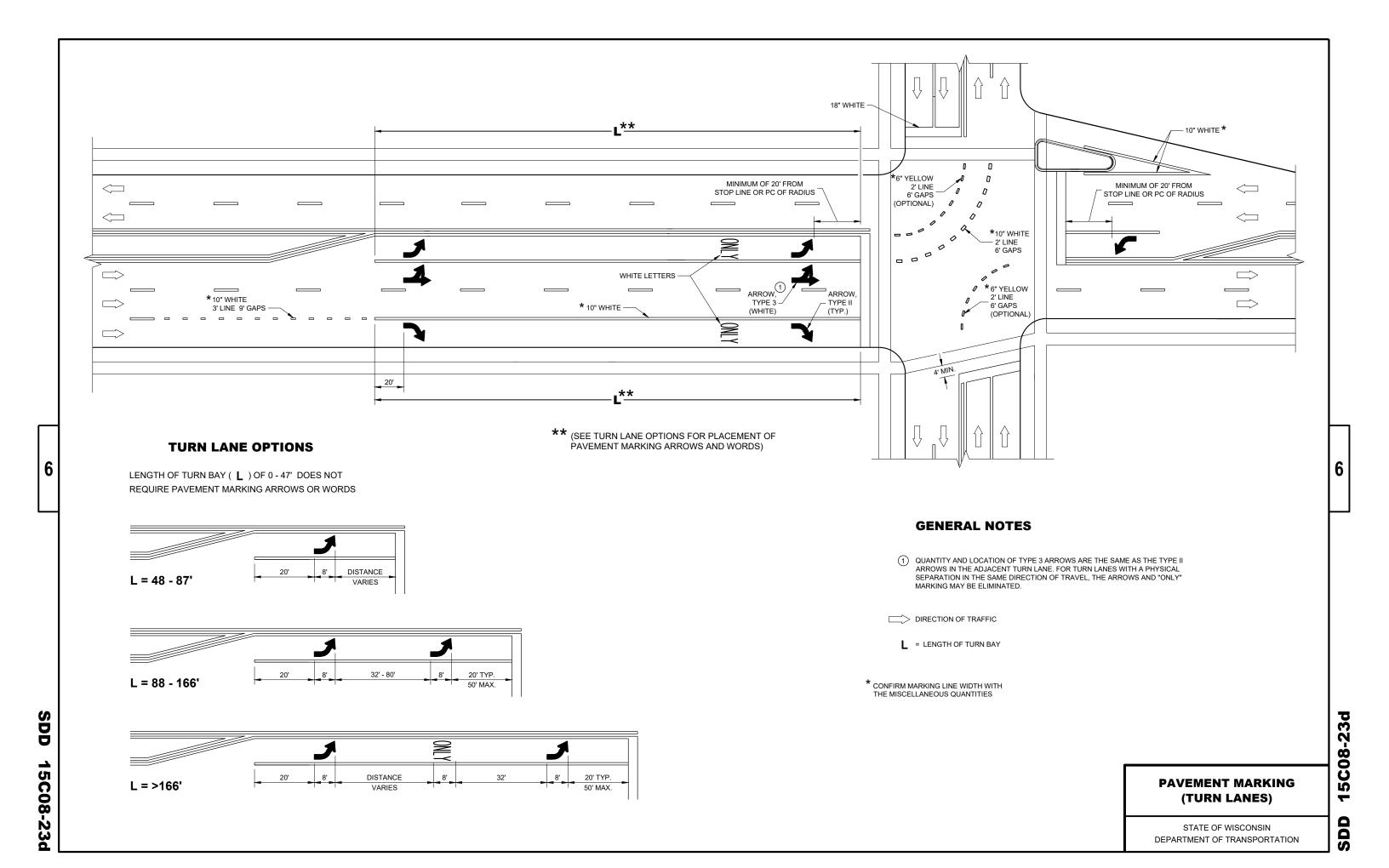
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

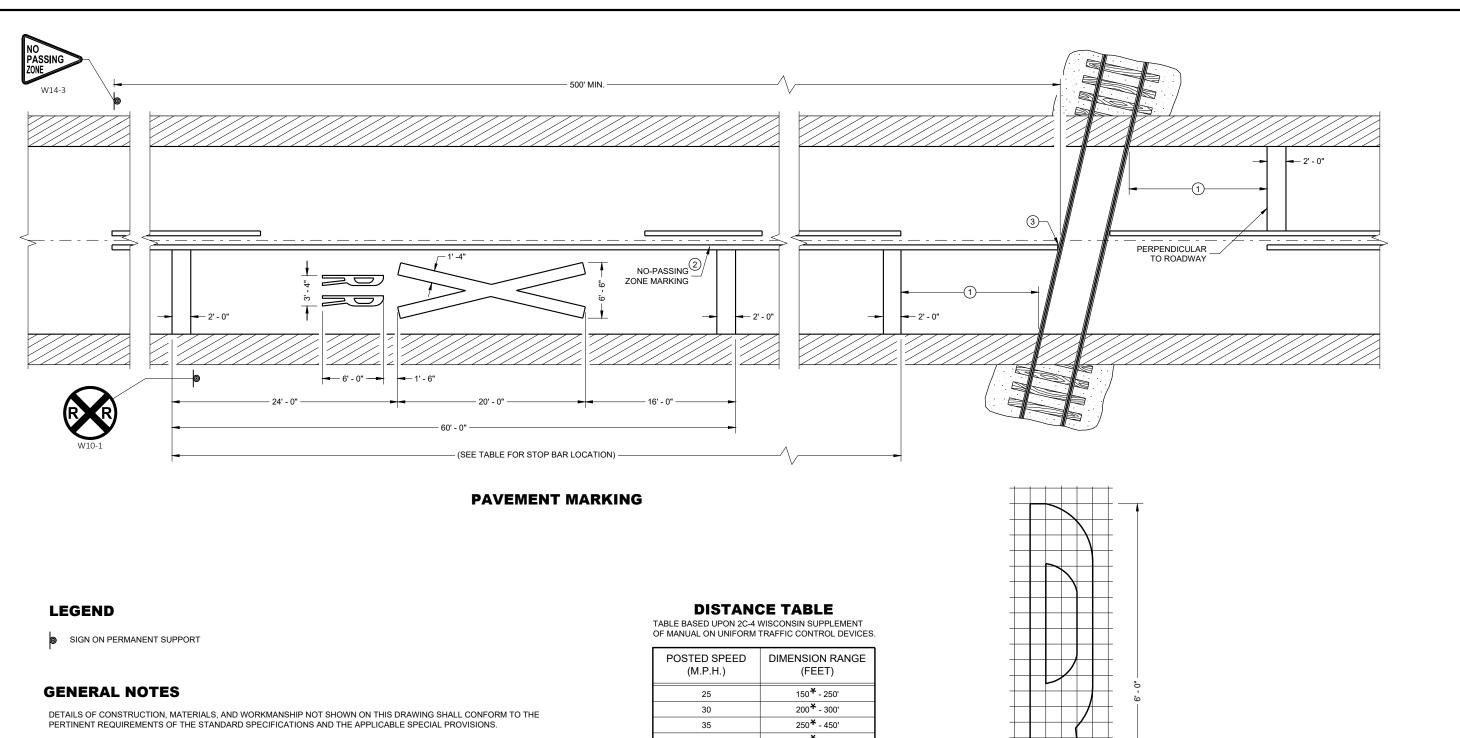
APPROVED

May 2023

DATE /S/ Jeannie Silver
STATEWIDE SIGNING AND MARKING
ENGINEER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION





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.

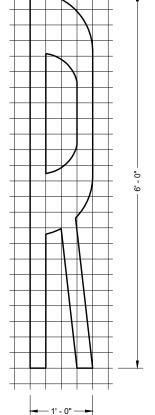
CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

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.

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.

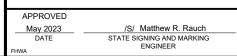


SIGNING AND PAVEMENT **MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS**

C09-1

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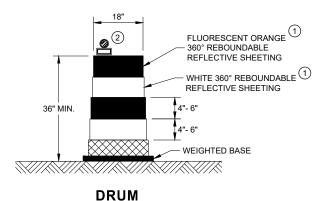
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION



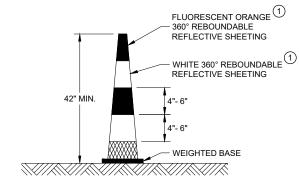
SDD 15C09-13a

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.

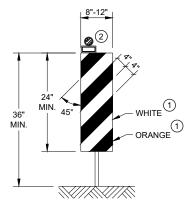


BALLAST WIDTHS RANGE FROM 24"-36"



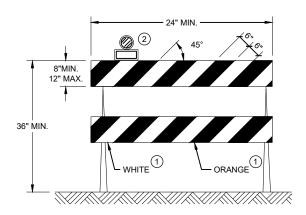
42" CONE

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



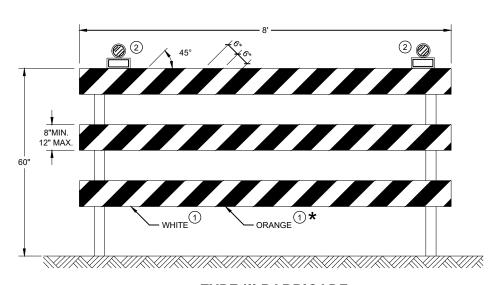
VERTICAL PANEL

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.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 50

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

END

WORK

ROAD

A/2

RUMBLE

STRIPS

GENERAL NOTES 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 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. 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 ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. WORK OPERATION OR AS APPROVED BY THE ENGINEER. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE. (2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA. 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. 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. THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP **TEMPORARY PORTABLE RUMBLE STRIPS** WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS. TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED 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 BE SPACING "A" SPEED LIMIT USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, PREPARED THIS SIGN SHALL BE LOCATED BETWEEN THE 25-30 MPH TO STOP W20-7A AND W20-4A SIGNS, USING SPACING "A". 35-40 MPH 350' ŔUMBLĖ 45-55 MPH 500' WO3-4 WORK ROAD STRIPS 1 VARIABLE DISTANCE - 200' - 300' (TYP.) |||3 WORK AREA END ROAD WORK 200' - 300' (TYP.) VARIABLE DISTANCE

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

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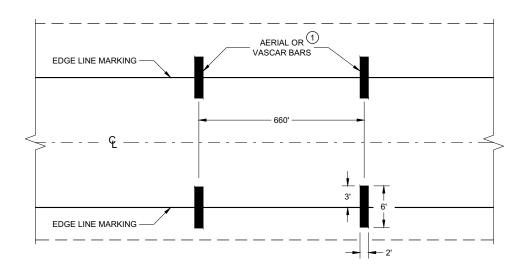
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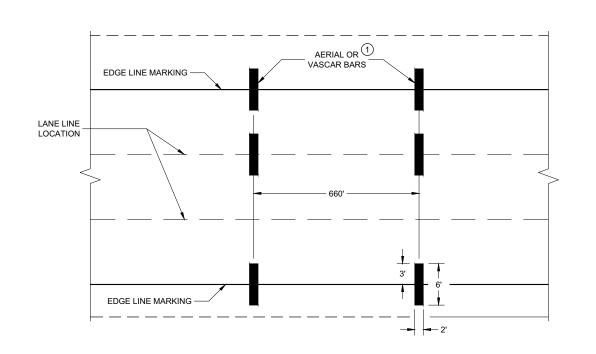
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

A CAR CAN BE PROVIDED BY THE WISCONSIN STATE PATROL FOR TRAFFIC CONTROL.



TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC



TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS

C14

15

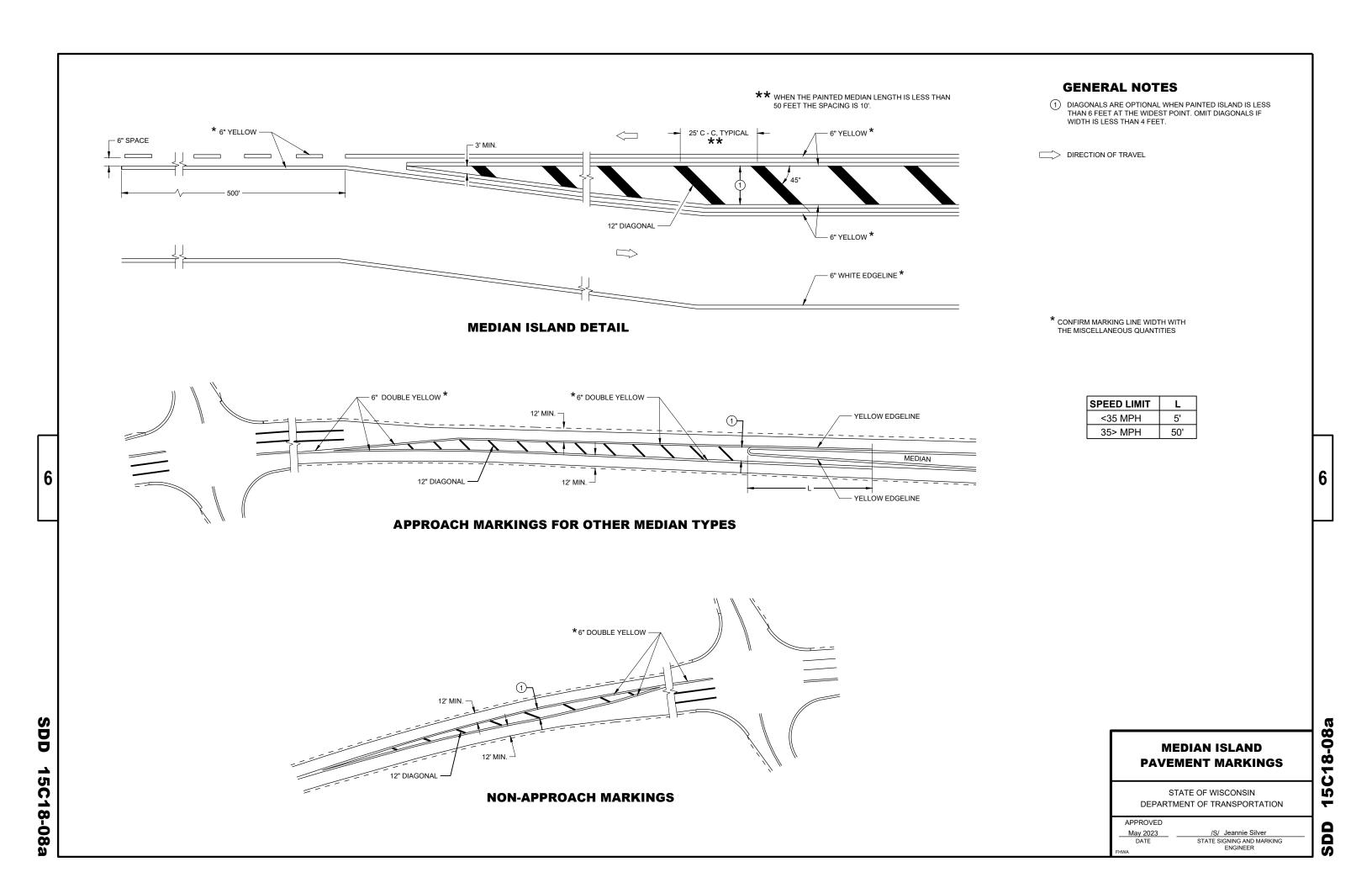
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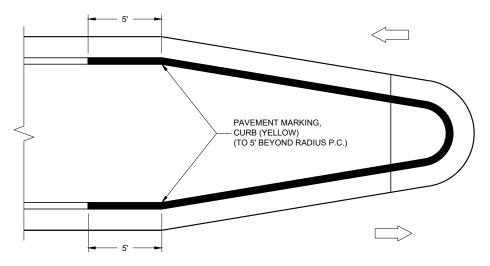
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

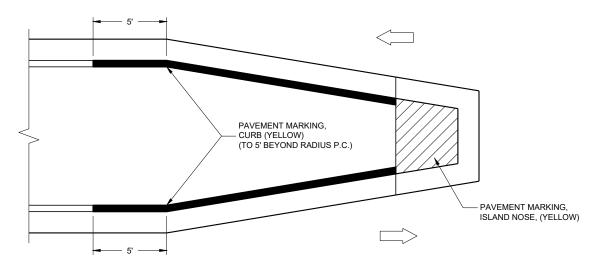
February 2021 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING
ENGINEER

SDD 15C14 - 04





MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

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

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

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

 May 2023
 /S/ Jeannie Silver

 DATE
 STATE SIGNING AND MARKING ENGINEER

SDD 15C18-08b

15C18-08

PAVEMENT MARKING

LEFT TURN & MEDIAN ISLAND

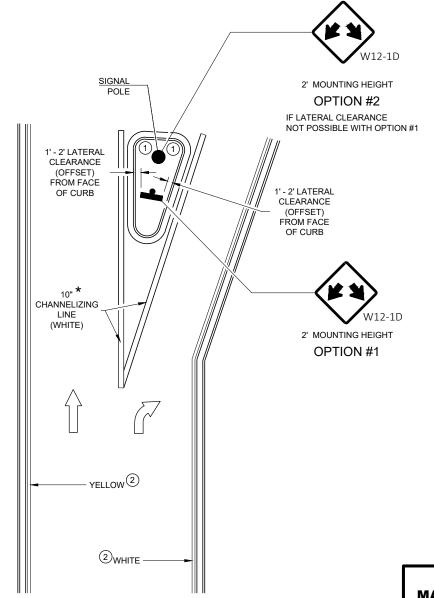
GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

- MARK CURB NOSES YELLOW.
- 2 MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023

DATE

/S/ Jeannie Silver
STATE SIGNING AND MARKING
ENGINEER

SDD 15C18-08c

6

15C18-08

SD

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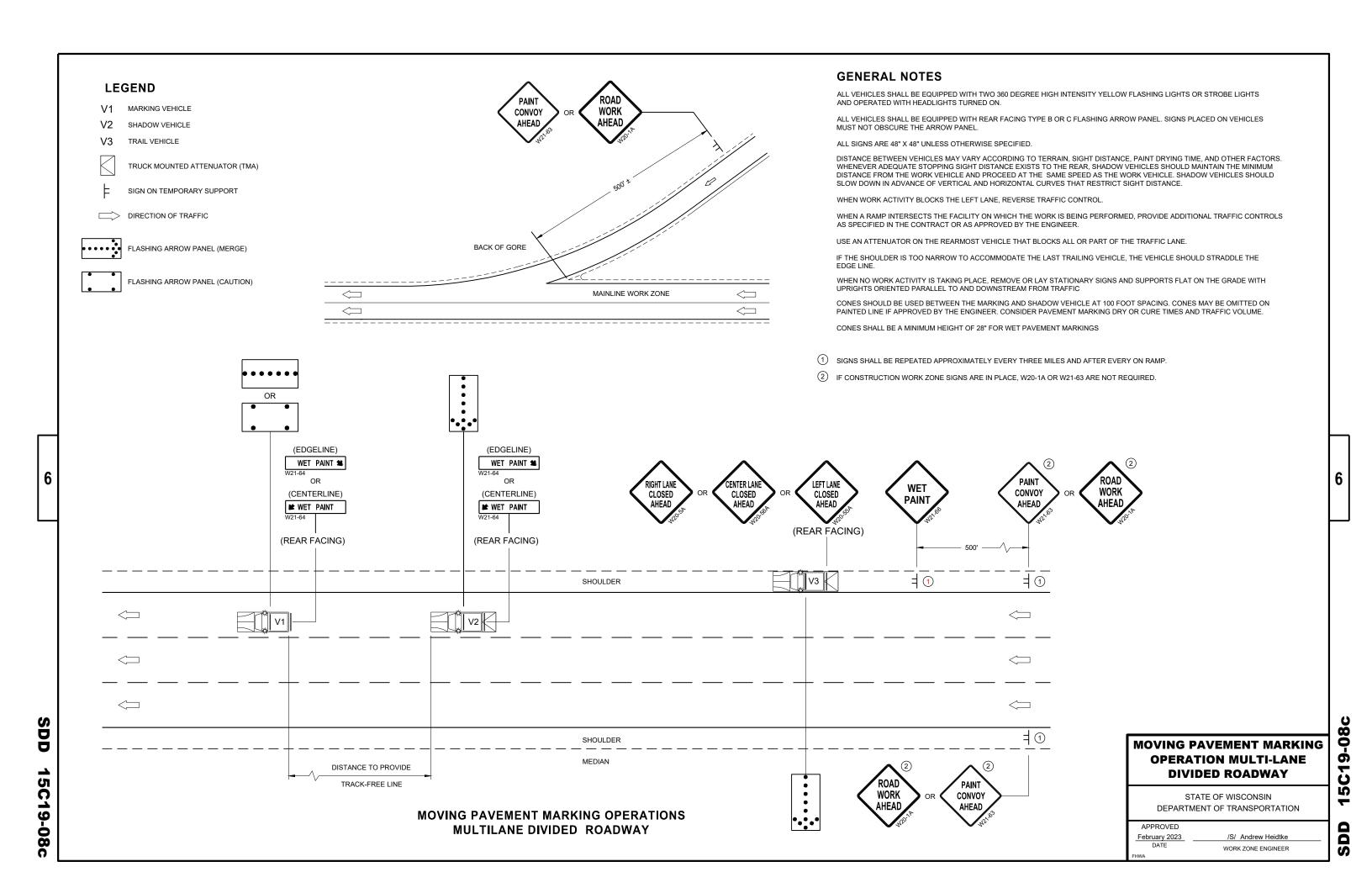
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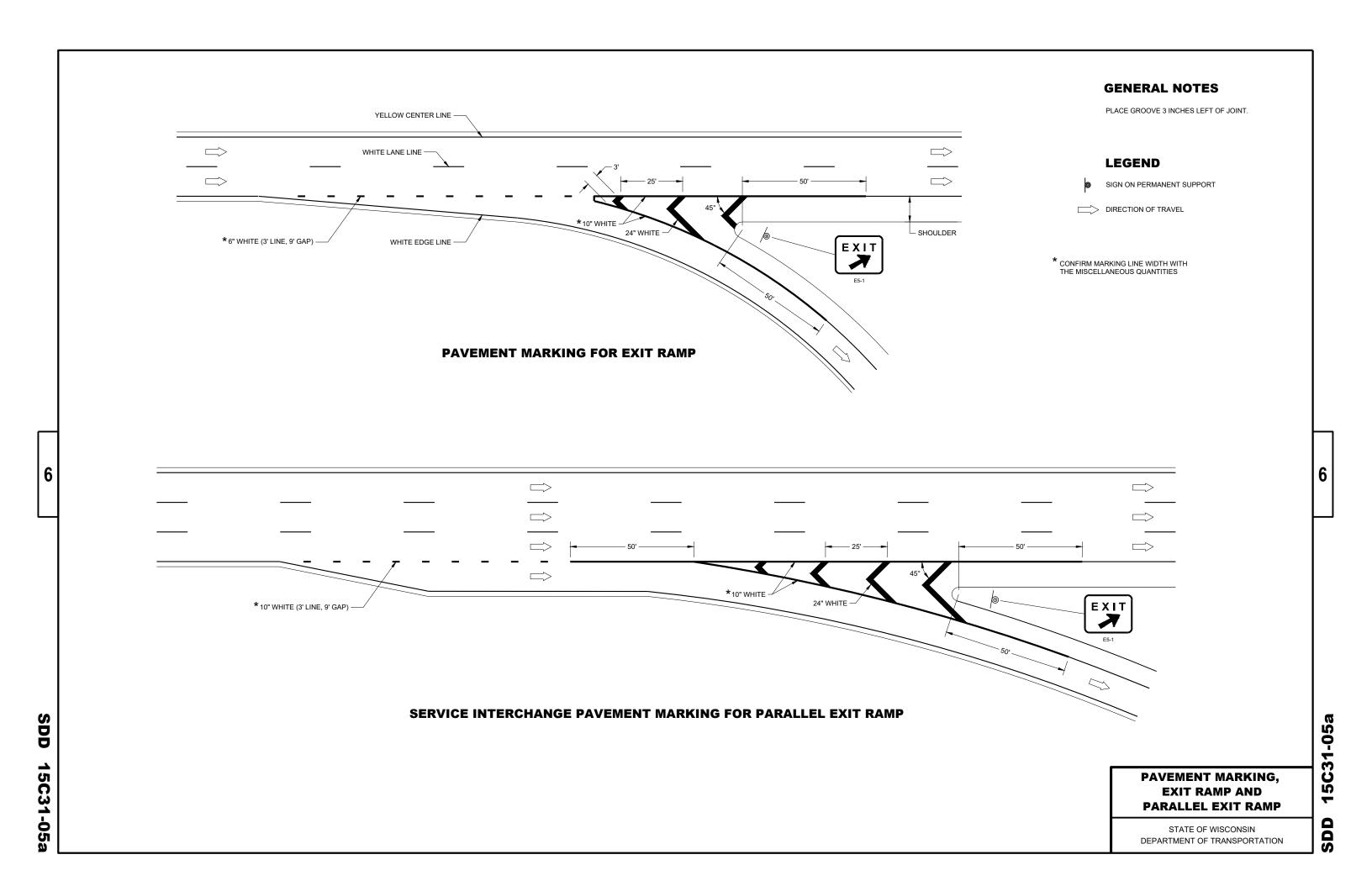
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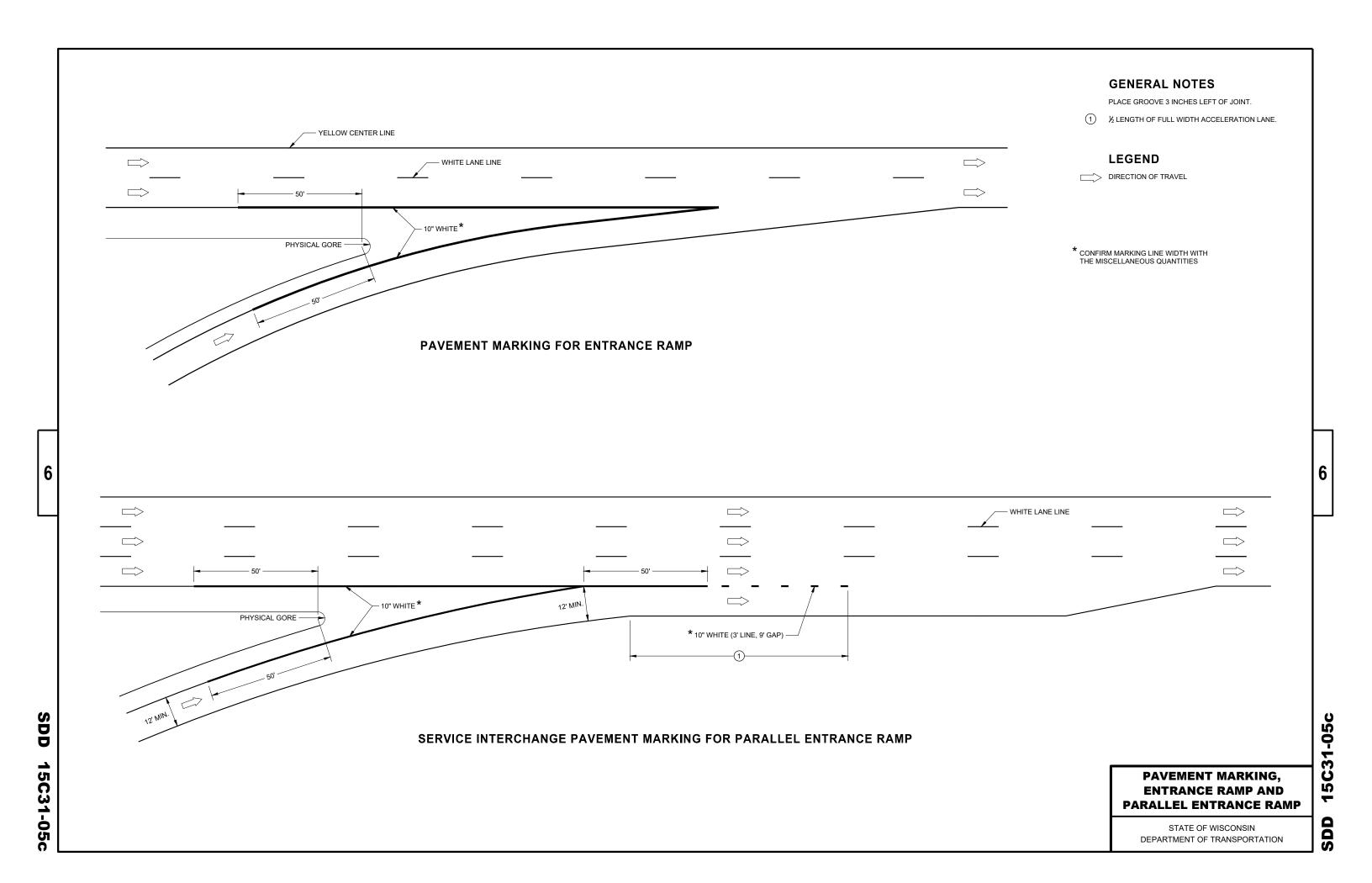
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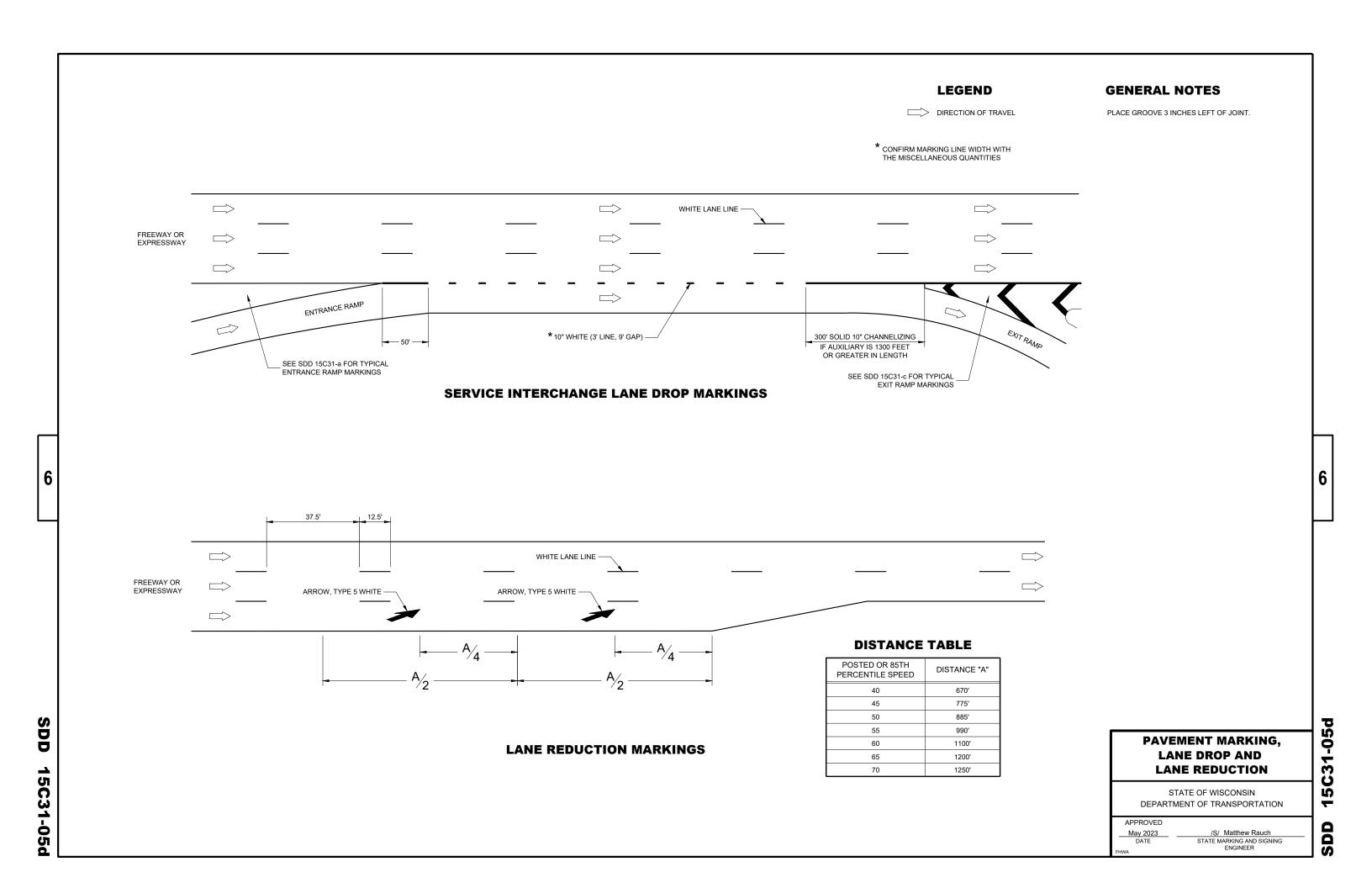
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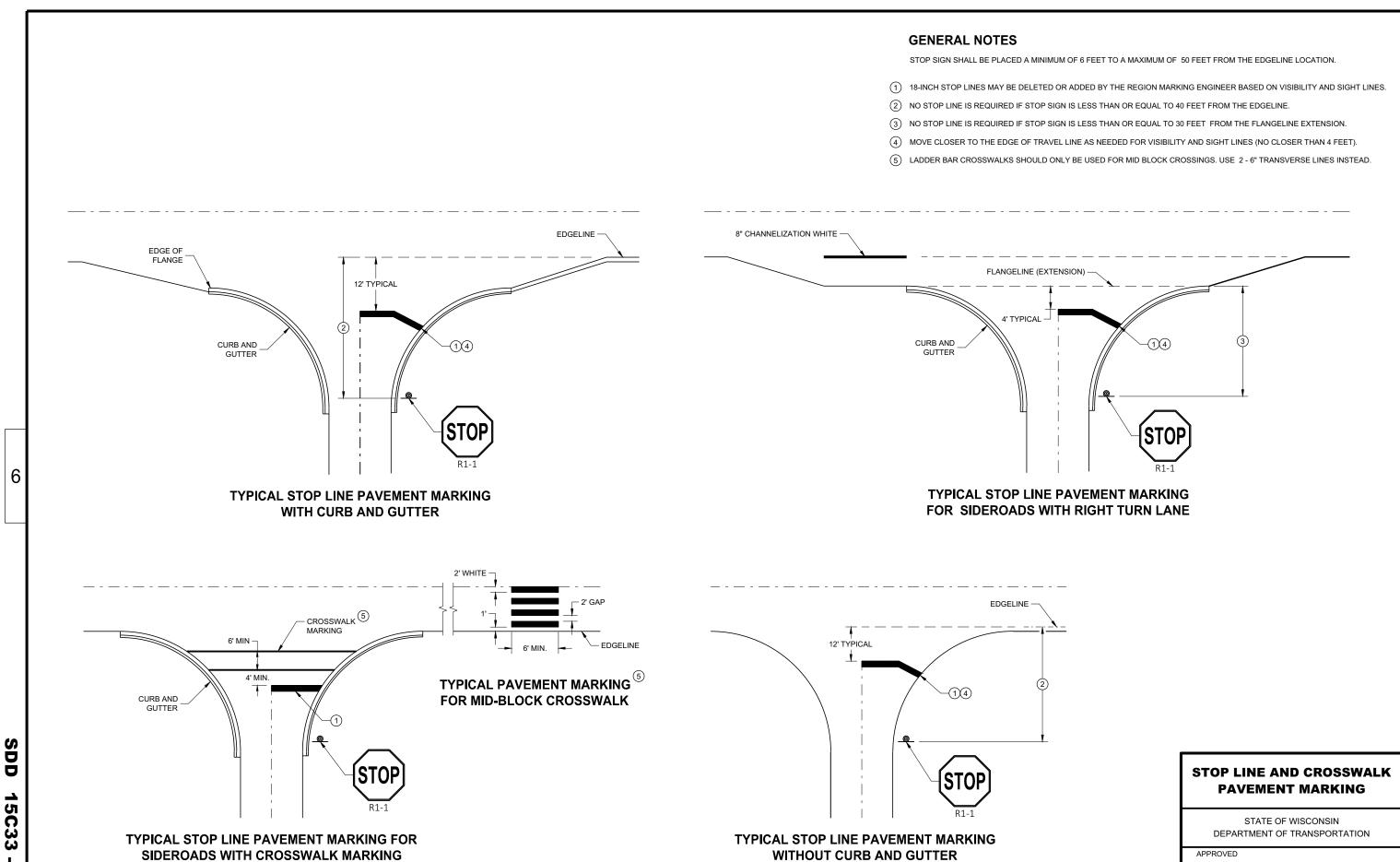
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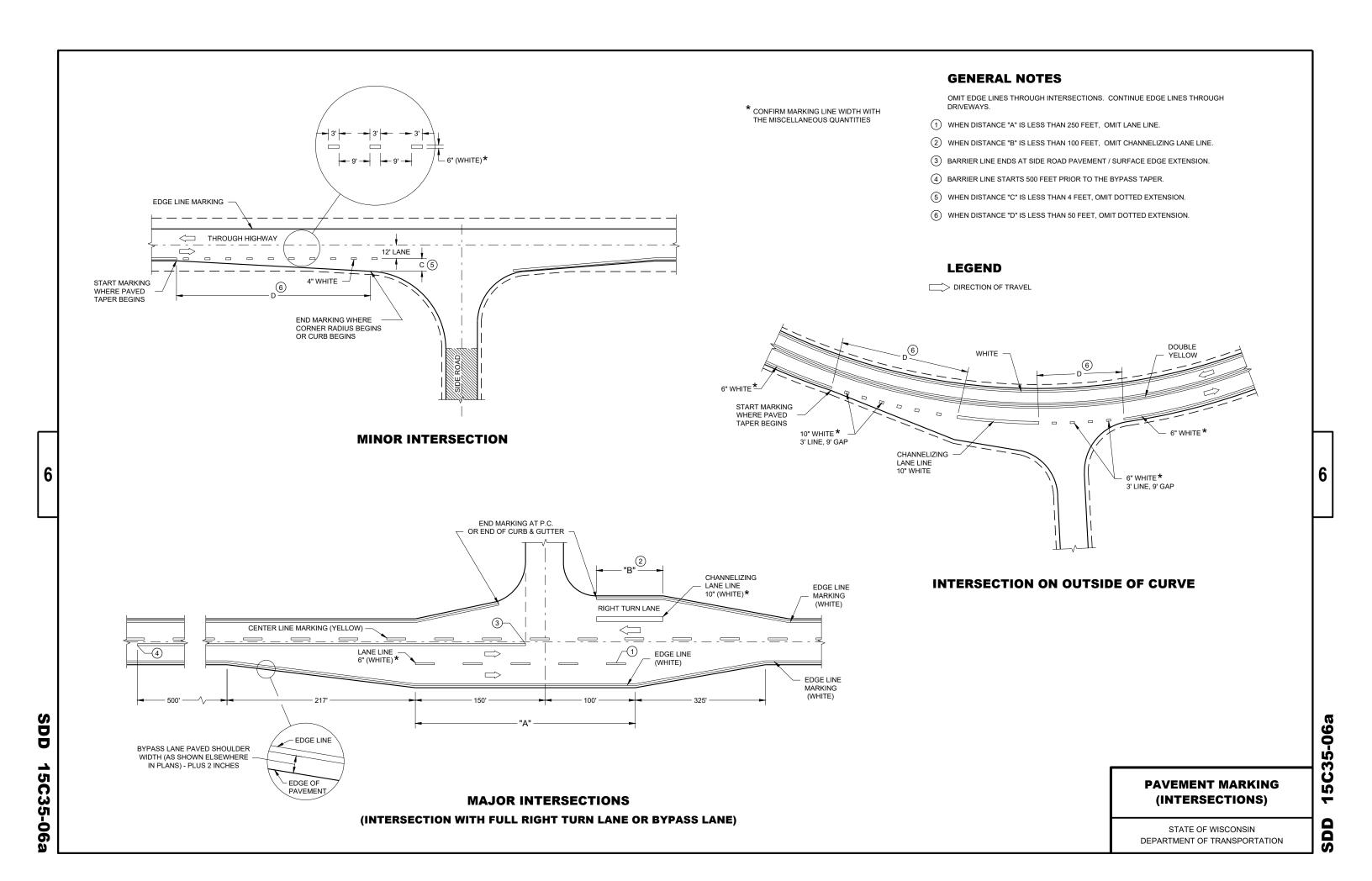
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15

SDD

/S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER

November 2019 DATE



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

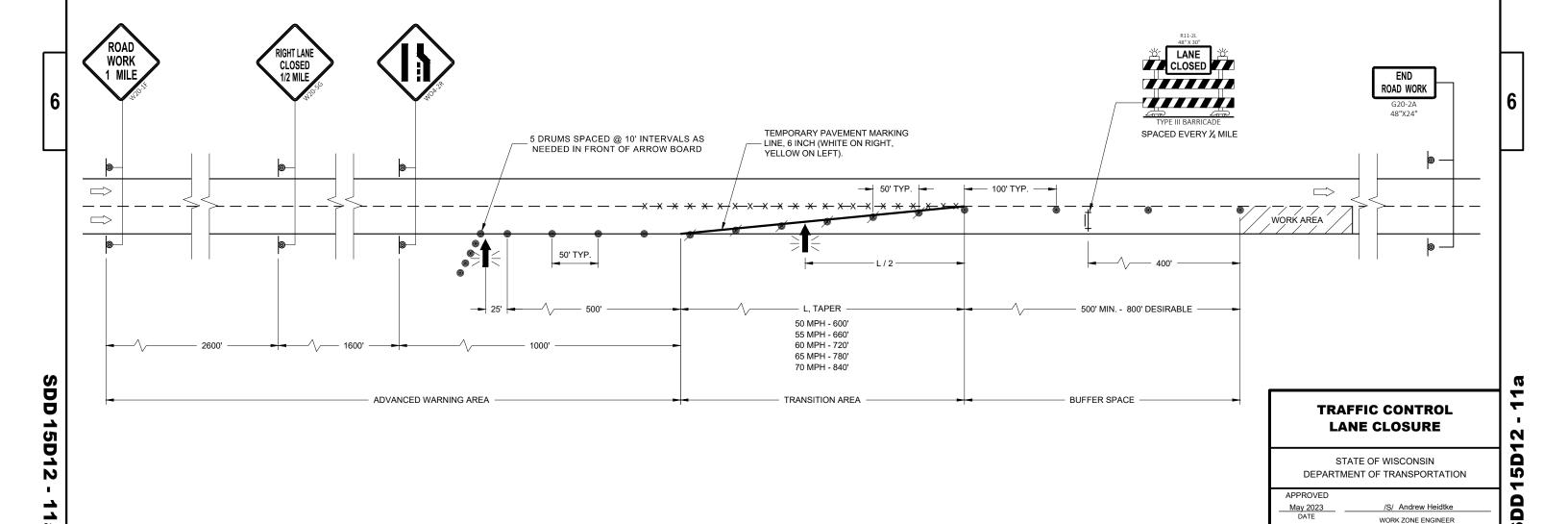
TYPE "A" WARNING LIGHT (FLASHING)

-X-X-X- REMOVING PAVEMENT MARKINGS

□ DIRECTION OF TRAFFIC

WORK AREA

FLASHING ARROW BOARD



SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE III BARRICADE
WITH ATTACHED SIGN

TYPE "A" WARNING LIGHT (FLASHING)

FLASHING ARROW BOARD

DIRECTION OF TRAFFIC

REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)

WORK AREA

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

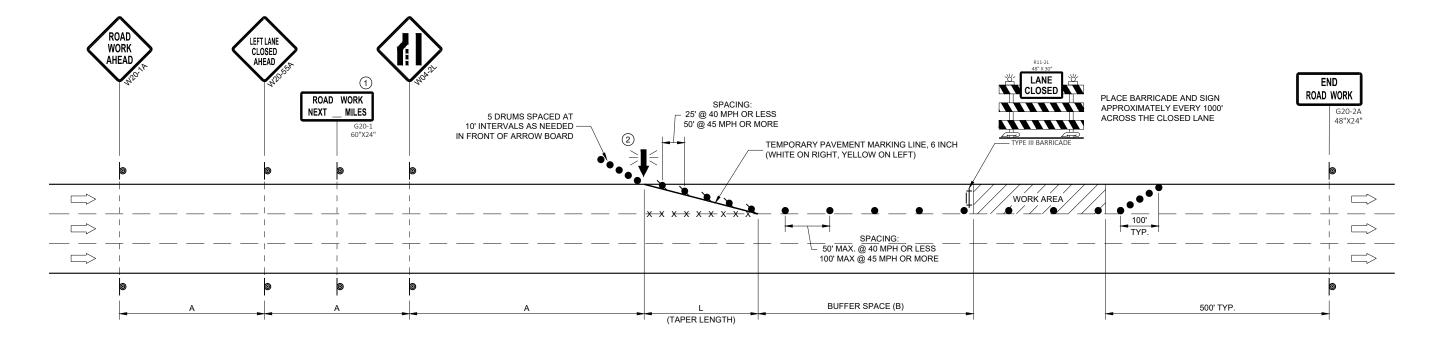
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

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

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

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

- (1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- (2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT ADVANCE TAPER LENGTH | BUFFER PRIOR TO WORK WARNING SIGN (12 FT. LANE) SPACE STARTING (MPH) SPACING (A) FEET (L) FEET (B) FEET 25 200' 125' 55' 30 200' 180' 85' 35 350' 245' 120' 40 170' 350 320' 45 500' 540' 220'

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

D20-0

D

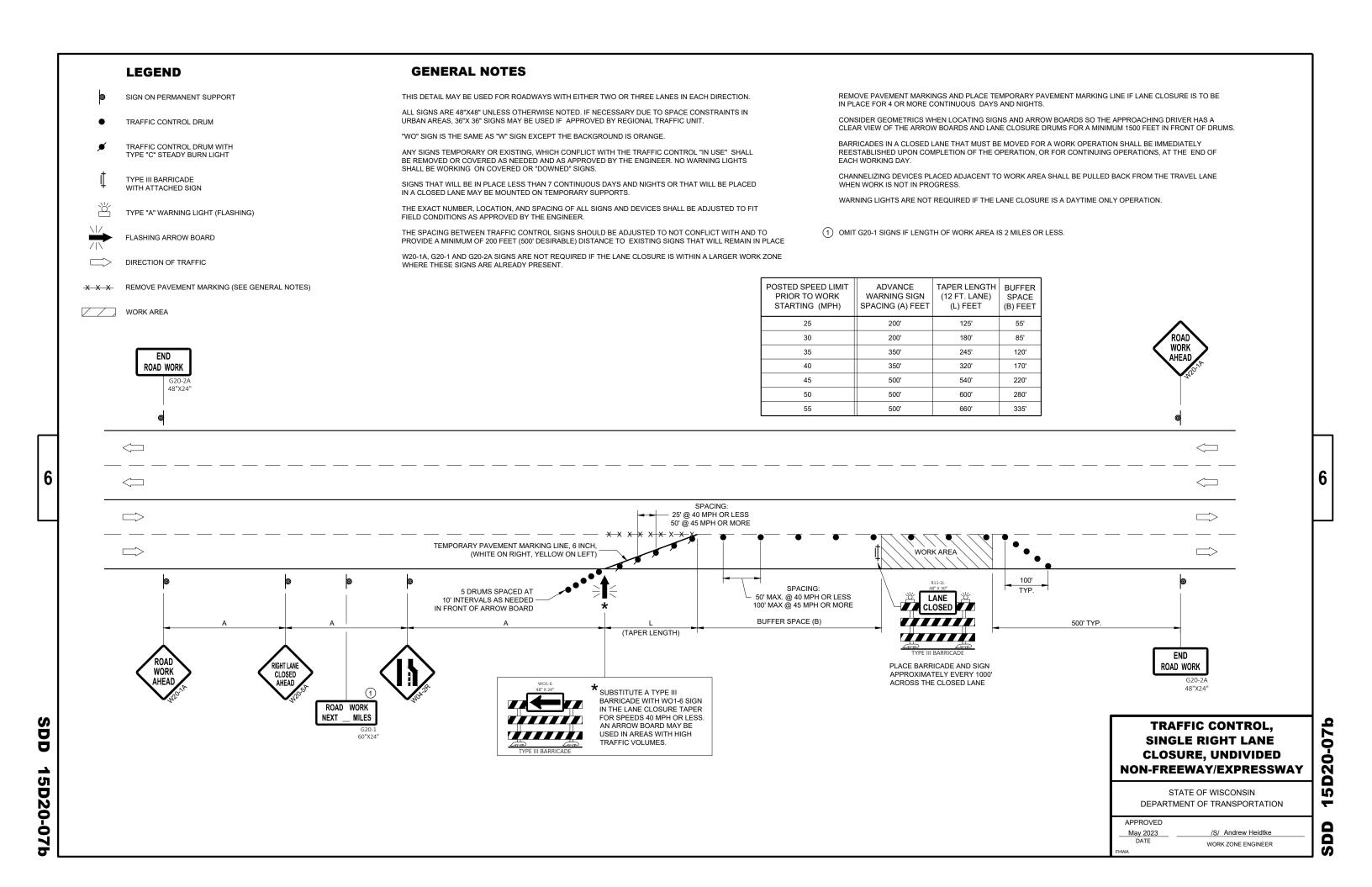
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

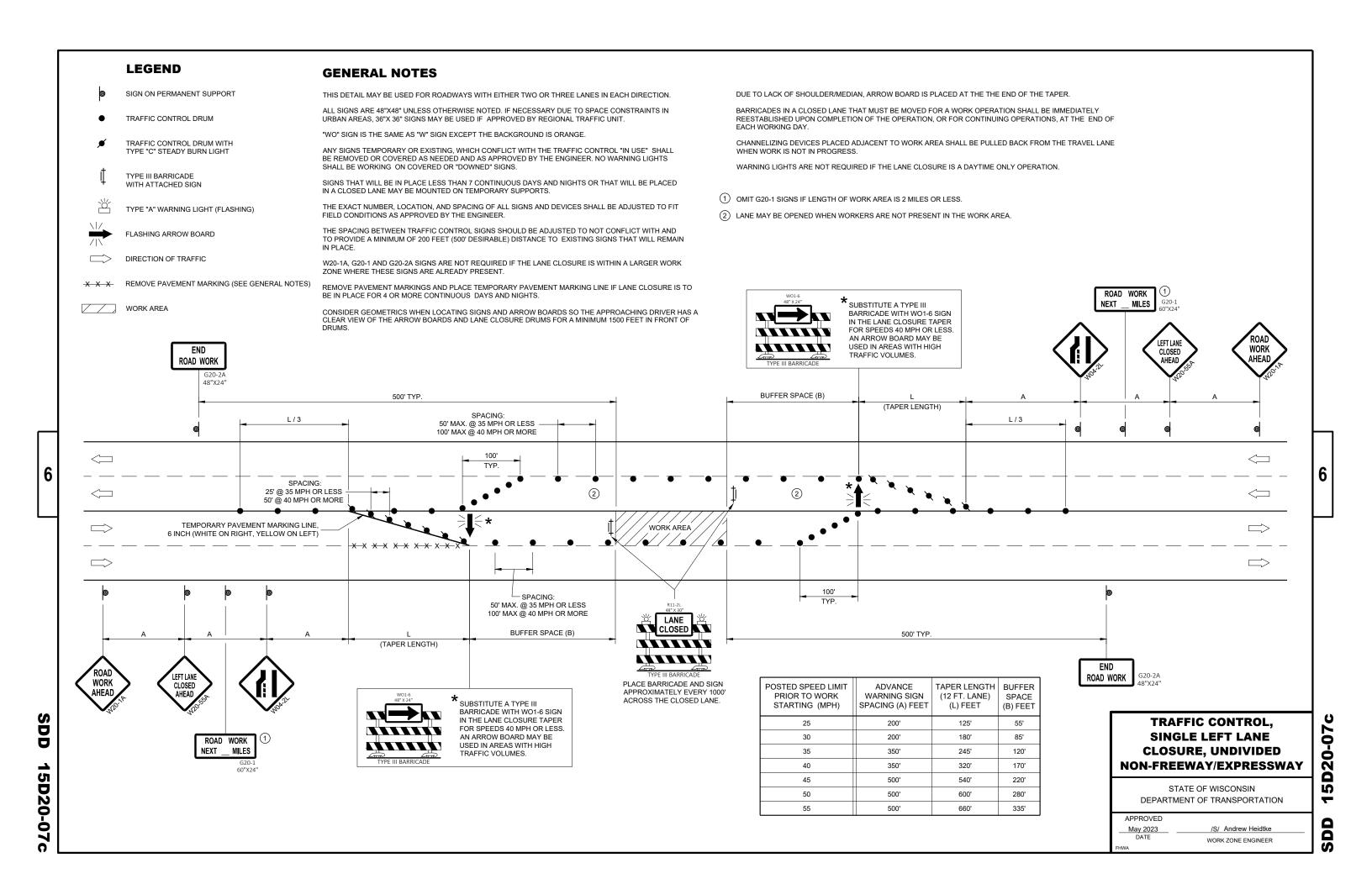
 APPROVED
 /S/ Andrew Heidtke

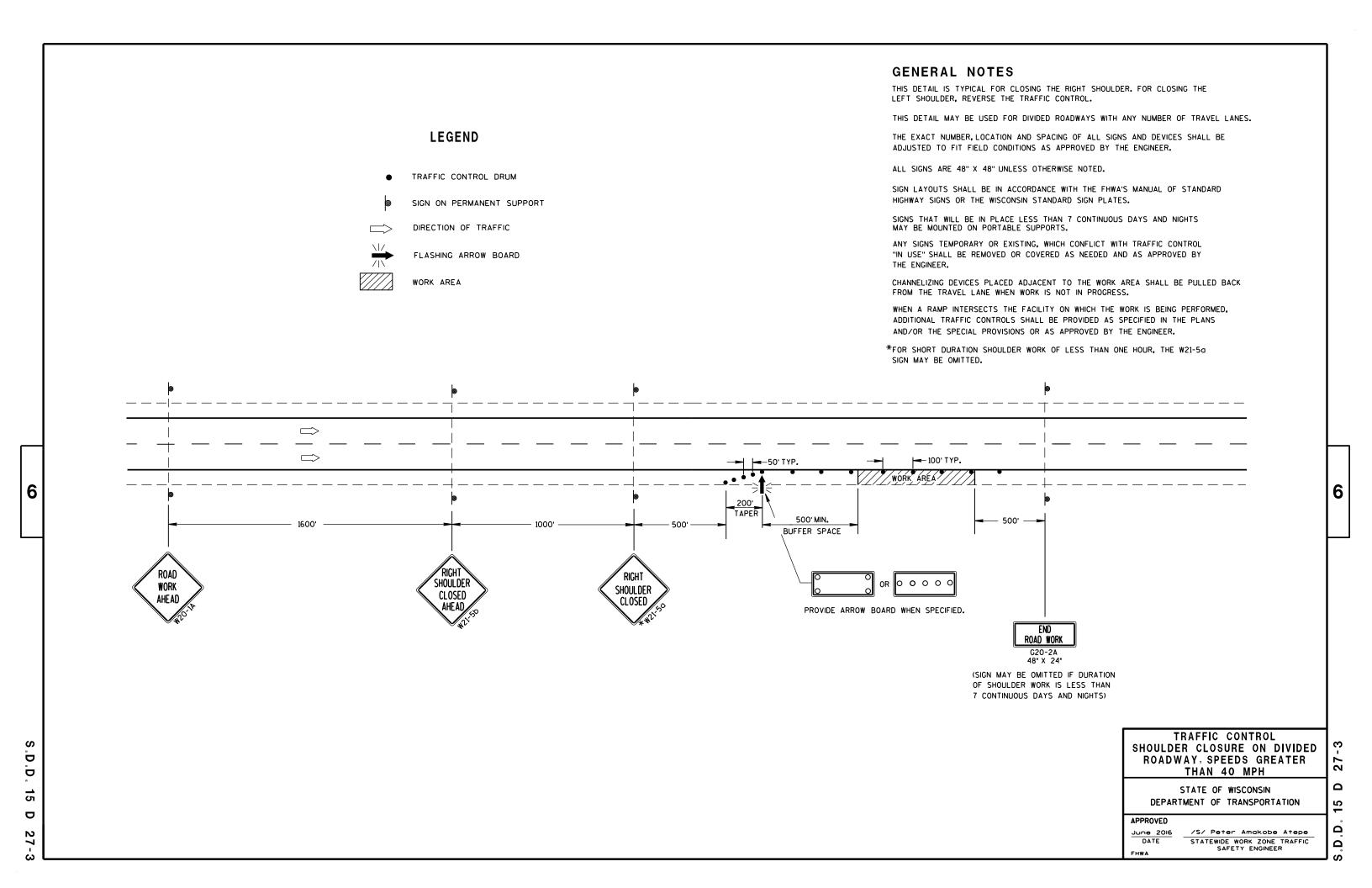
 May 2023
 /S/ Andrew Heidtke

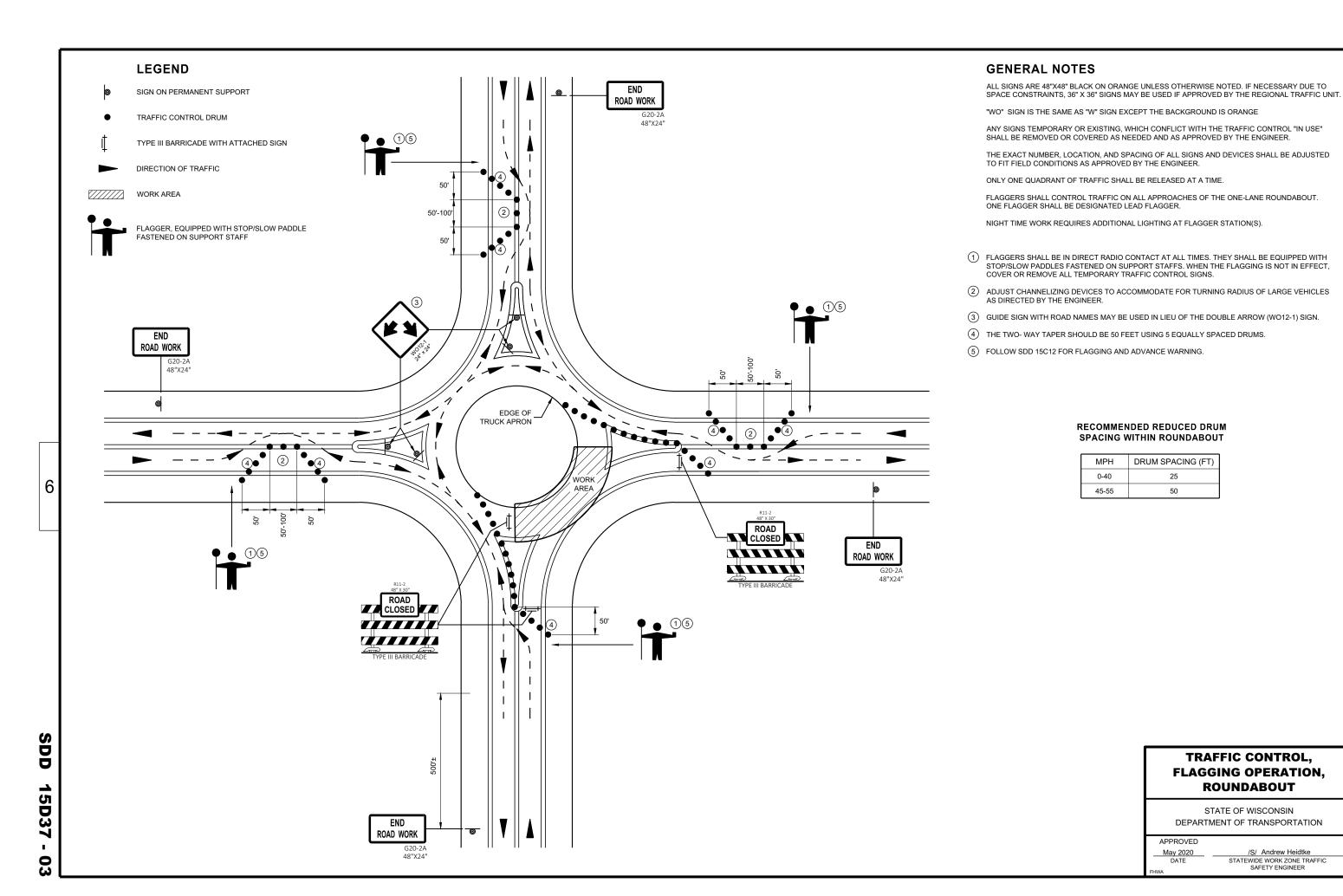
 DATE
 WORK ZONE ENGINEER

SDD 15D20-07;

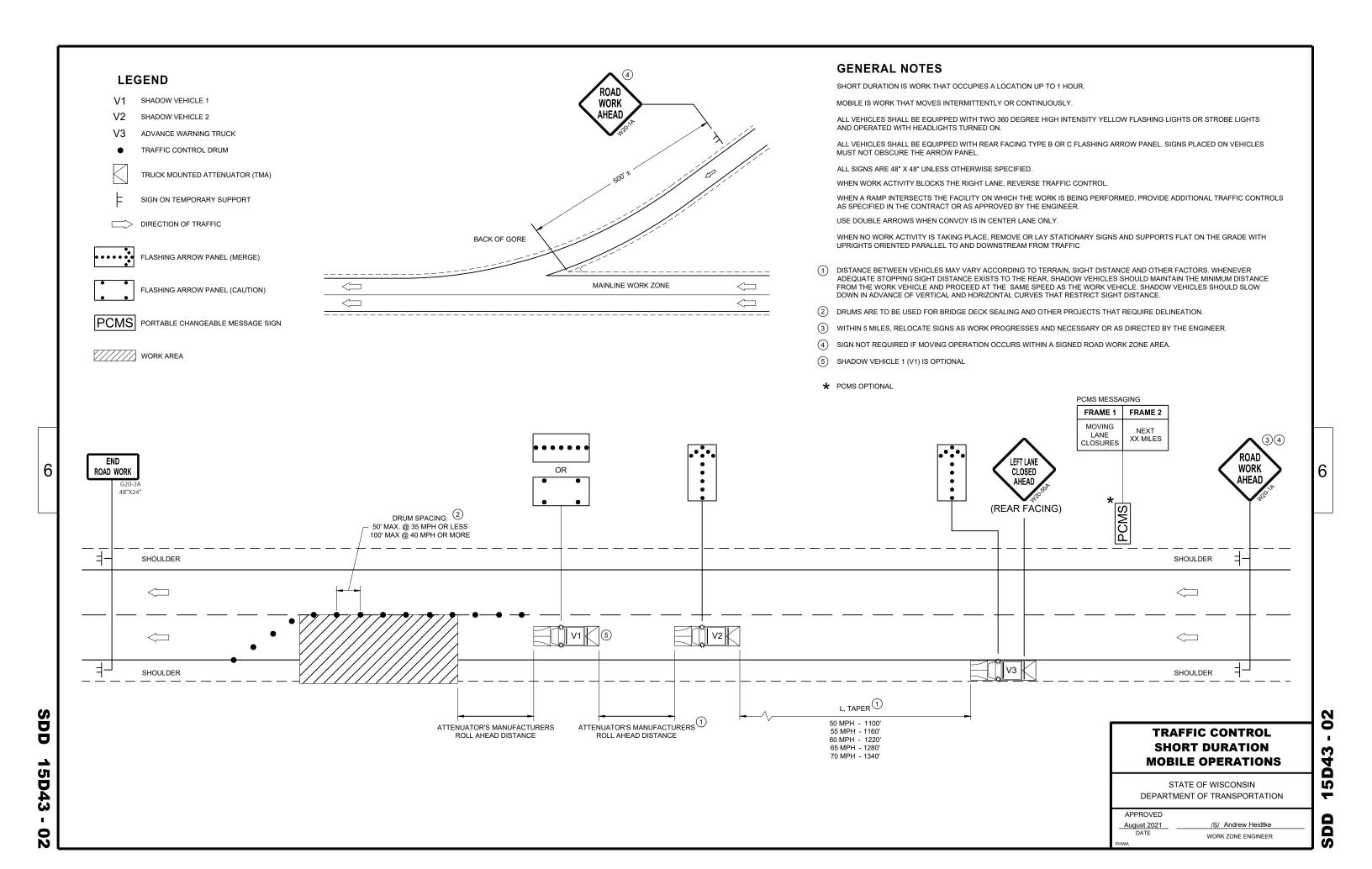








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THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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.

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

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

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.

SPACING: SPACING: 50' MAX. @ 40 MPH OR LESS 25' MAX. @ 40 MPH OR LESS 100' MAX. @ 45 MPH OR GREATER 50' MAX. @ 45 MPH OR GREATER \Box LANE CLOSED ROAD WORK PLACE BARRICADE AND SIGN APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE

TRAFFIC CONTROL ADDED LANE CLOSURE WITHOUT LANE SHIFT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED May 2023 DATE

/S/ Andrew Heidtke WORK ZONE ENGINEER 50-0

Õ IJ

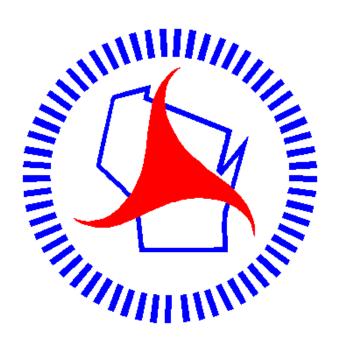
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SDD 15D50-03a

50-0 Õ IJ

/S/ Andrew Heidtke WORK ZONE ENGINEER

May 2023 DATE



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov