LAX MARCH 2016

Section No. 1 Section No. 2 Typical Sections and Details Section No. 3 Estimate of Quantities Section No. 3 Miscellaneous Quantities Right of Way Plat Plan and Profile Section No. 6 Standard Detail Drawings

TOTAL SHEETS = 22

STATE OF WISCONSIN ORDER OF SHEETS

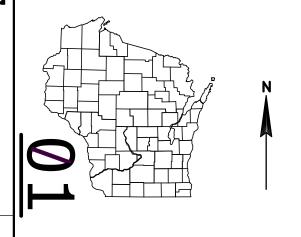
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

REGION PVMT MARKING EASTERN CTYS

STN LOCATIONS PER ANNUAL PLAN VAR HWY **REGION WIDE**

> STATE PROJECT NUMBER 1009-11-97



DESIGN DESIGNATION

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

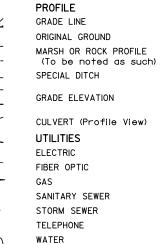
CONVENTIONAL SYMBOLS

CORPORATE LIMITS PROPERTY 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)

MARSH AREA

COMBUSTIBLE FLUIDS

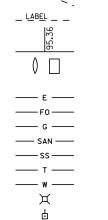
WOODED OR SHRUB AREA

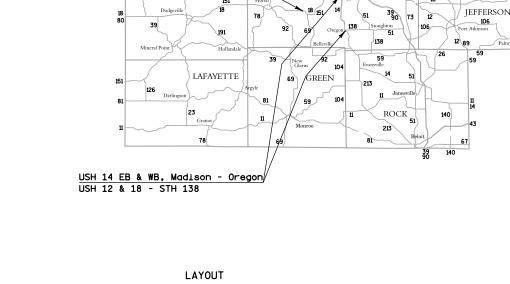


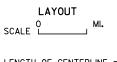
UTILITY PEDESTAL

TELEPHONE POLE

POWER POLE







TOTAL	NET	LENGTH	OF	CENTERLINE	=	MI.

Surveyor IVER PETERSON Designer Project Manager Regional Examiner KAREN OLSON Regional Supervisor C.O. Examiner APPROVED FOR THE DEPARTMENT

Karen L Olson

COLUMBIA

USH 12 EB & WB, Madison East of Old Sauk Rd - West of Whitney Way

STATE PROJECT

1009-11-97

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PREPARED BY

FEDERAL PROJECT

CONTRACT

PROJECT

WISC 2016046

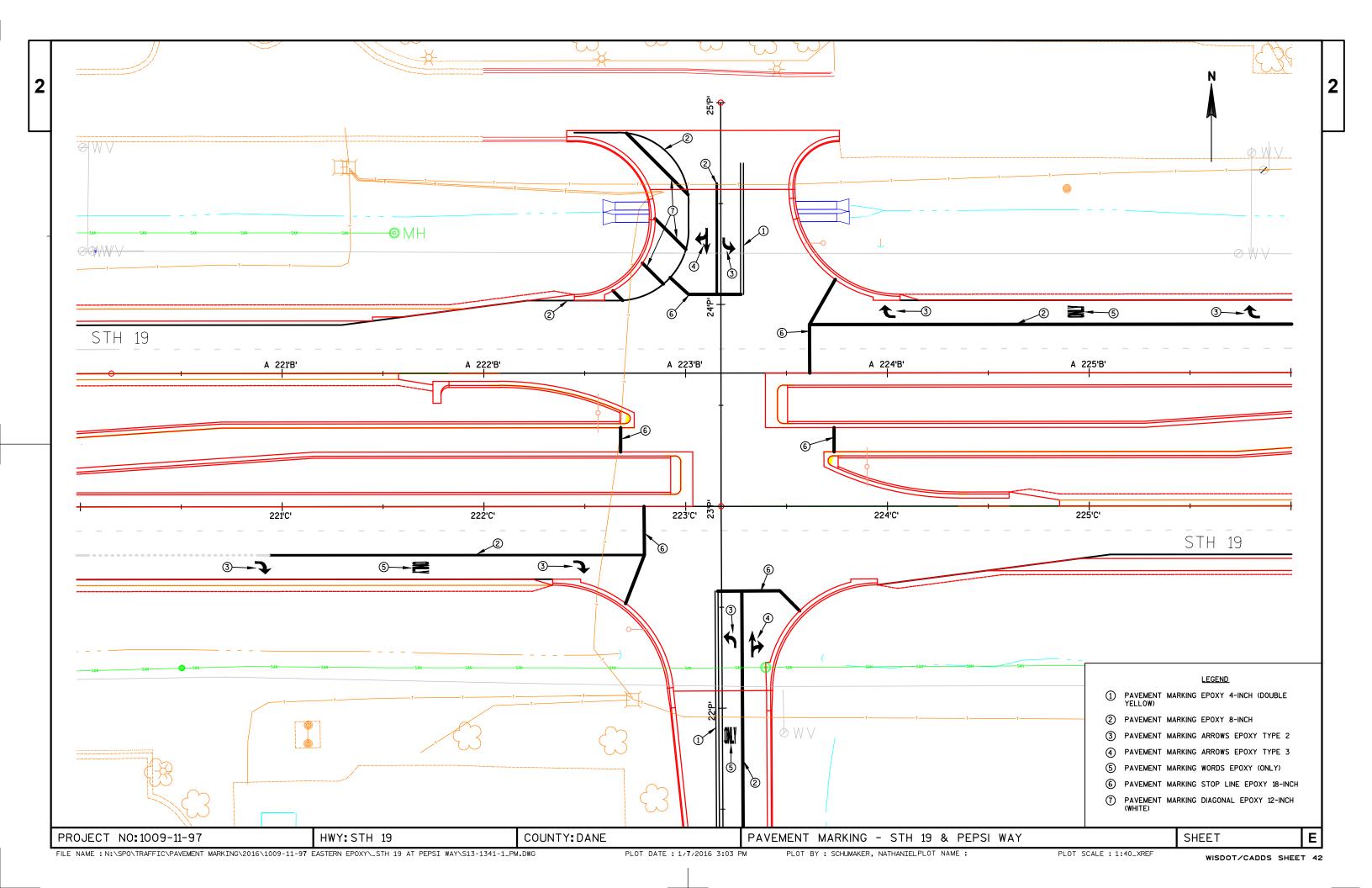
PLOT NAME :

USH 12 EB & WB, Sauk City - Middleton Sauk / Dane County Line - USH 14

USH 18 / 151, Verona - Madison

Mile 76 - Raymond Rd

Ε



	DATE 08	JAN16	E S T	I M A	TE OF QUAN	ITITIES
	LINE					1009-11-97
	NUMBER	ITEM	ITEM DESCRIPTION	UNI T	TOTAL	QUANTI TY
	0010	619. 1000	Mobilization	EACH	1. 000	1. 000
	0020	643.0100	Traffic Control (project) 01. 1009-11-97	EACH	1. 000	1. 000
\neg	0030	646. 0106	Pavement Marking Epoxy 4-Inch	LF	1, 031, 127. 000 1	, 031, 127. 000
	0040	646. 0126	Pavement Marking Epoxy 8-Inch	LF	78, 297. 000	78, 297. 000
	0050	647. 0110	Pavement Marking Railroad Crossings	EACH	75. 000	75. 000
			Epoxy			
	0060	647. 0166	Pavement Marking Arrows Epoxy Type 2	EACH	6. 000	6. 000
;	0070	647. 0176	Pavement Marking Arrows Epoxy Type 3	EACH	2. 000	2.000
	0800	647. 0196	Pavement Marking Arrows Epoxy Type 5	EACH	3. 000	3.000
	0090	647. 0356	Pavement Marking Words Epoxy	EACH	3. 000	3. 000
	0100	647. 0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	239. 000	239. 000
	0110	647. 0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	90.000	90. 000
	0120	647. 0960	Removing Pavement Markings Symbols	EACH	1. 000	1. 000

	PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			646.0106		4-INCH	8-INCH	646.0126 8-INCH	8-INCH
	PAVEIMENT MARKING EPOXT (DIVIDED HIGHWATS)	-	4-INCH	4-INCH	4-INCH			CHANNELIZING	
	Dane County		EDGELINE	_	_	NO PASSING	WHITE	WHITE	WHITE
	Danie County	-	YELLOW	WHITE	WHITE	YELLOW	(MAINLINE)	(RAMP)	(ISLAN GORE
IIGHWAY	LOCATION (From)	LOCATION (To)	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.
ISH 12 EB	Sauk / Dane Co Line (Sauk City)	500' East of USH 14 Bridge	91051	24288	85228		11133		
	Exit 249 for Parmenter St (Middleton)	OFF Ramp	1167		1702		357	357	
	Exit 249 for Parmenter St (Middleton)	ON Ramp	990		2426		720	720	
	Exit 250 for Airport Rd/CTH M (Middleton)	OFF Ramp	1004		1505		367	367	187
	Exit 250 at Airport Rd/CTH M (Middleton)	ON Ramp	994	94	2438		731	731	
	Exit 251A for USH 14 (Middleton)	OFF Ramp	2086		3233		435	335	126
	Exit 251A for USH 14 (Middleton)	ON Ramp	1259		4656		1033	569	
SH 12 EB		0.325 Mile West of Whitney Way Bridge Mile Marker 257.0	16104		9240		415		
	Exit 254 for Mineral Point Rd (Madison)	OFF Ramp	530	115	2270				425
	Exit 254 for Mineral Point Rd (Madison)	ON Ramp	545		2112				
	Exit 255 for Gammon Rd	OFF Ramp	686	230	2534				400
	Exit 255 for Gammon Rd	ON Ramp	686	170	1954				
SH 12 WB	0.325 Mile West of Whitney Way Bridge Mile Marker 257.0	0.4 Mile East of Old Sauk Rd Bridge East side of bridge deck)	16104	400	1584				475
	Exit 254 for Mineral Point Rd (Madison)	OFF Ramp	580	126	1848				175
	Exit 254 for Mineral Point Rd (Madison)	ON Ramp	580 711	106	1531				070
	Exit 255 for Gammon Rd	OFF Ramp ON Ramp	711 633	126	2532				873
SH 12 WB	Exit 255 for Gammon Rd		91321	23885	1636 84277		11813		
OIT IZ WB	500' East of USH 14 Bridge	Sauk Co line North end of bridge at signals OFF Ramp	91321 2709	23885 150				497	
	Exit 251A-B for USH 14 (Middleton) Exit 251A-B for USH 14 (Middleton)	OFF Ramp	2709 1582	150	3408 2320		497 653	700	
	Exit 251A-B for OSH 14 (Middleton) Exit 250 for Airport Rd/CTH M (Middleton)	OFF Ramp	947		2320		408	408	420
	Exit 250 for Airport Rd/CTH M (Middleton)	ON Ramp	979		2346		820	820	420
	Exit 249 for Parmenter St (Middleton)	OFF Ramp	942		1734		398	398	178
	Exit 249 for Parmenter St (Middleton)	ON Ramp	847		2293		686	686	170
SH 18/151 FB	200' north of MM 76 (Sugar River Bridge- Verona)	Raymond Rd (Madison)	48313	12791	42486		2954	490	252
011 10/101 22	Exit 76 for Epic Ln	OFF RAMP	2143	99	2914		230	230	241
	Exit 76 for Epic Ln	ON RAMP	2428		3573		406	406	
	Exit 77 for STH 69	OFF RAMP	1046		1584		262	262	72
	Exit 77 for STH 69	ON RAMP	1062		2496		774	774	
	Exit 79 for CTH PB & CTH M	OFF RAMP	1518		2735		601	601	80
	Exit 79 for CTH PB & CTH M	ON RAMP	1145		2276		527	527	
	Exit 81 for E Verona Ave	ON RAMP	2390		3580		667	667	
SH 18/151 WB	Raymond Rd (Madison)	200' North of Mile Marker 76 (Sugar River Bridge) (Verona)	47919	13285	39142		2387	1638	359
	Exit 81 for E Verona Ave	OFF Ramp	802	107	2480		476	476	
	Exit 79 for CTH PB & CTH M	OFF Ramp	1814	150	3008		965	390	230
	Exit 79 for CTH PB & CTH M	ON Ramp	1342		2850		877	877	
	Exit 77 for STH 69	OFF Ramp	942		2012		389	389	106
	Exit 77 for STH 69	ON Ramp	1174		2105		275	275	
	Exit 76 for Epic Ln	OFF Ramp	1202		2108		273	273	110
0114455	Exit 76 for Epic Ln	ON Ramp	1299	40	2757	00:-	730	730	
SH 14 EB	USH 12/18	STH 138 Overpass Bridge (south end of bridge deck)	48985	11430	43862	2217	250	22.	
	Exit 133 for McCoy Rd	OFF Ramp	740		1430		264	264	50
	Exit 134 for Lacy Rd	OFF Ramp	1162		1689		316	316	
	Exit 134 for Lacy Rd	ON Ramp	792 591		2006		739	739 264	
	Exit 139 for CTH MM (Oregon)	OFF Ramp	581 907		1425		264	264	
	Exit 139 for CTH MM (Oregon) Exit 140 for STH 138 (Oregon)	ON Ramp OFF Ramp	897 1110		2430 2376		739 422	739 422	
	Exit 140 for STH 138 (Oregon) Exit 140 for STH 138 (Oregon)	OF Ramp	633		2376 1953		739	739	
SH 14 WB	STH 138 Overpass Bridge (south end of bridge deck)	USH 12/18	50810	11616	41950	1670	250	138	
C. 1 1 7 V D	Exit 140 for STH 138 (Oregon)	OFF Ramp	1003	11010	1584	10/0	396	396	
	Exit 140 for STH 138 (Oregon)	ON Ramp	844	265	3065		1425	396	400
	Exit 139 for CTH MM (Oregon)	OFF Ramp	686	200	1742		315	315	400
	Exit 139 for CTH MM (Oregon)	ON Ramp	844		2006		580	580	
	Exit 134 for Lacy Rd	OFF Ramp	1160		1670		316	316	
	Exit 134 for Lacy Rd	ON Ramp	844		1954		215	215	
	Exit 133 for McCoy Rd	ON Ramp	580		2060		528	528	
	Exit 132A for East 12/East 18 (Madison)	OFF Ramp	740	250	1108				
	Exit 132B for West 12/West 14/West18 South 151 (Madison)	OFF Ramp	2060	175	1848				
		·							
		Out Tatala	466047	99392	461335	3887	51017	21822	4684
		Sub Totals	400047	33332	1 401333	3001	31017	21022	4004

PROJECT NO: 1009-11-97 HWY: USH 12, 14 & 18/151 COUNTY: DANE MISCELLANEOUS QUANTITIES SHEET NO: E

FILE NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST PLOT SCALE : 1:1

	PAVEMENT MARKING EPOXY (SPECIAL MARKINGS)			646.0960
	,	647.0110	647.0176	REMOVAL
		RAILROAD	ARROWS	
		CROSSINGS		MARKING
		WHITE	WHITE	SYMBOLS
HIGHWAY	LOCATION	EACH	EACH	EACH
	Columbia County			
STH 78 NB	Left Lane Drop (Merge with IH 39 NB) (South of Portage)		3	
USH 51 NB	North of STH 16 (South of Portage)	2		
USH 51 SB	North of STH 16 (South of Portage)	1		
USH 51 NB	CTH P Portage	2		
USH 51 SB	CTH P Portage	2		
STH 60 EB	West of Commercial St (Arlington)	1		
STH 60WB	East of Commercial St (Arlington)	1		
STH 113 SB	County Line Rd (South of Lodi)	1		
STH 146 NB	North of Cabbage Rd (Cambria)	1		
STH 146 SB	South of Commerce St (Cambria)	1		
	Dane County			
USH 12 WB	Exit 252 Geenway Blvd Off Ramp (Madison) (Type 4 Arrow)			1
STH 19 EB	CTH CV (Windsor)	2		
STH 19 WB	CTH CV (Windsor)	2		
USH 51 NB	Lexington Ave (Madison)	3		
USH 51 SB	Lexington Ave (Madison)	3		
STH 73 NB	North of Freidel Dr (Marshall)	1		
STH 73 SB	North of Freidel Dr (Marshall)	1		
STH 78 NB	South of Webb St (Black Earth)	1		
STH 78 SB	North of Webb St (Black Earth)	1		
STH 113 NB	South of Verleen St (Waunakee)	1		
STH 113 SB	North of Verleen St (Waunakee)	1		
STH 113 NB	Dane St. (Dane)	1		
STH 113 SB	Railroad St (Dane)	1		
STH 113 NB	County Line Rd (South of Lodi)	1		
	Dodge County			
STH 26 NB	South of Maple Dr (Minnesota Jct)	1		
STH 26 SB	North of Maple Dr (Minnesota Jct)	1		
STH 26 NB	CTH BI (Burnette)	1		
STH 26 SB	CTH BI (Burnette)	1		
STH 49 NB	Old 41 Rd. (East of Lomira)	1		
STH 49 SB	Old 41 Rd. (East of Lomira)	1		
STH 67 NB	CTH O (Ashippun)	1		
STH 67 SB	CTH O (Ashippun)	1		
	Sub Total	39	3	1

	PAVEMENT MARKING EPOXY (SPECIAL MARKINGS)	647.0110
		RAILROAD
		CROSSINGS
	1	WHITE
HIGHWAY	LOCATION	EACH
	Dodge County (cont.)	
STH 67 NB	Downer Rd (Iron Ridge)	1
STH 67 SB	Downer Rd (Iron Ridge)	1
STH 67 NB	North of STH 33	1
STH 67 SB	North of STH 33	1
STH 73 NB	North of Center St (Randolph)	1
STH 73 SB	North of Stark St (Randolph)	1
USH 151 NB	South of CTH E (Beaver Dam)	2
USH 151 SB	North of CTH E (Beaver Dam)	2
USH 151 NB	3000' South of STH 26 (Waupun)	2
USH 151 SB	4000' South of STH 26 (Waupun)	2
	Green County	
STH 11 EB	West of CTH KS (East of Juda)	1
STH 11 WB	East of CTH KS (East of Juda)	1
	Jefferson County	
STH 89 NB	South of Hunters Ln (South of Waterloo)	1
STH 89 SB	North of Hunters Ln (South of Waterloo)	1
•	Rock County	
STH 11 EB	CTH D (Janesville)	2
STH 11 WB	CTH D (Janesville)	2
STH 11 EB	West of Hanover Rd (Janesville)	1
STH 11 WB	West of Hanover Rd (Janesville)	1
USH 14 EB	Newville Rd (Janesville)	2
USH 14 WB	Newville Rd (Janesville)	2
STH 140 NB	South of Avalon Rd (Avalon)	1
STH 140 SB	North of Avalon Rd (Avalon)	1
STH 140 NB	Front St (Clinton)	1
STH 140 SB	Front St (Clinton)	1
	Southside of Clinton	1
STH 140 SB	Southsde of Clinton	1
STH 213 NB	Spring St (Orfordville)	1
	Spring St (Ordfordville)	1
	Sub Total	36

PROJECT NO: 1009-11-97	HWY: VARIOUS	COUNTY: VARIOUS	MISCELLANEOUS QUANTITIES	SHEET NO:	Е
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FILE NAME : _____ PLOT DATE : ____ PLOT BY : ____ PLOT NAME : ____ ORG DATE : ____ ORIGINATOR : DIST _ PLOT SCALE : 1:1

SUMMARY OF RAILROAD CROSSING (SPECIAL MARKING)

	,	<u> </u>			646.0960
			647.0110	647.0176	REMOVAL
			RAILROAD	ARROWS	PAVEMENT
			CROSSINGS	TYPE 5	MARKING
			WHITE	WHITE	SYMBOLS
HIGHWAY	LOCATIONS		EACH	EACH	EACH
Various	Columbia, Dane & Dodge Counties		39	3	1
Various	Dodge (cont), Green, Jefferson & Rock Counties		36		
	· ·	Totals	75	3	1

	PAVEMENT MARKING EPOXY (SPECIAL MARKING)		646.0106	646.0126	647.0166	647.0176	647.0356	647.0566	647.0726
		_	4-INCH	8-INCH	ARROWS	ARROWS	WORDS	18-INCH	12-INCH
	Dane County (STH 19 at Pepsi Way)	_	CENTERLINE	CHANNELIZING	TYPE 2	TYPE 3	"ONLY"	STOP LINE	DIAGONAL
			YELLOW	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE
HIGHWAY	LOCATION (AT)	LOCATION	L.F.	L.F.	EACH	EACH	EACH	L.F.	L.F.
STH 19 EB	Pepsi Way	Mainline						51	
	Pepsi Way	Left Turn Lane						18	
	Pepsi Way	Right Turn lane		182	2		1		
Pepsi Way NB	STH 19 EB	Side Street	370	125	1	1	1	41	
STH 19 WB	Pepsi Way	Mainline						51	
	Pepsi Way	Left Turn Lane						18	
	Pepsi Way	Right Turn lane		250	2		1		
Commercial Entrance	STH 19 WB	Entrance	96	47	1	1		60	
	STH 19 WB (Radius at Commericial Entrance)	Entrance		170					90
		Totals	466	774	6	2	3	239	90

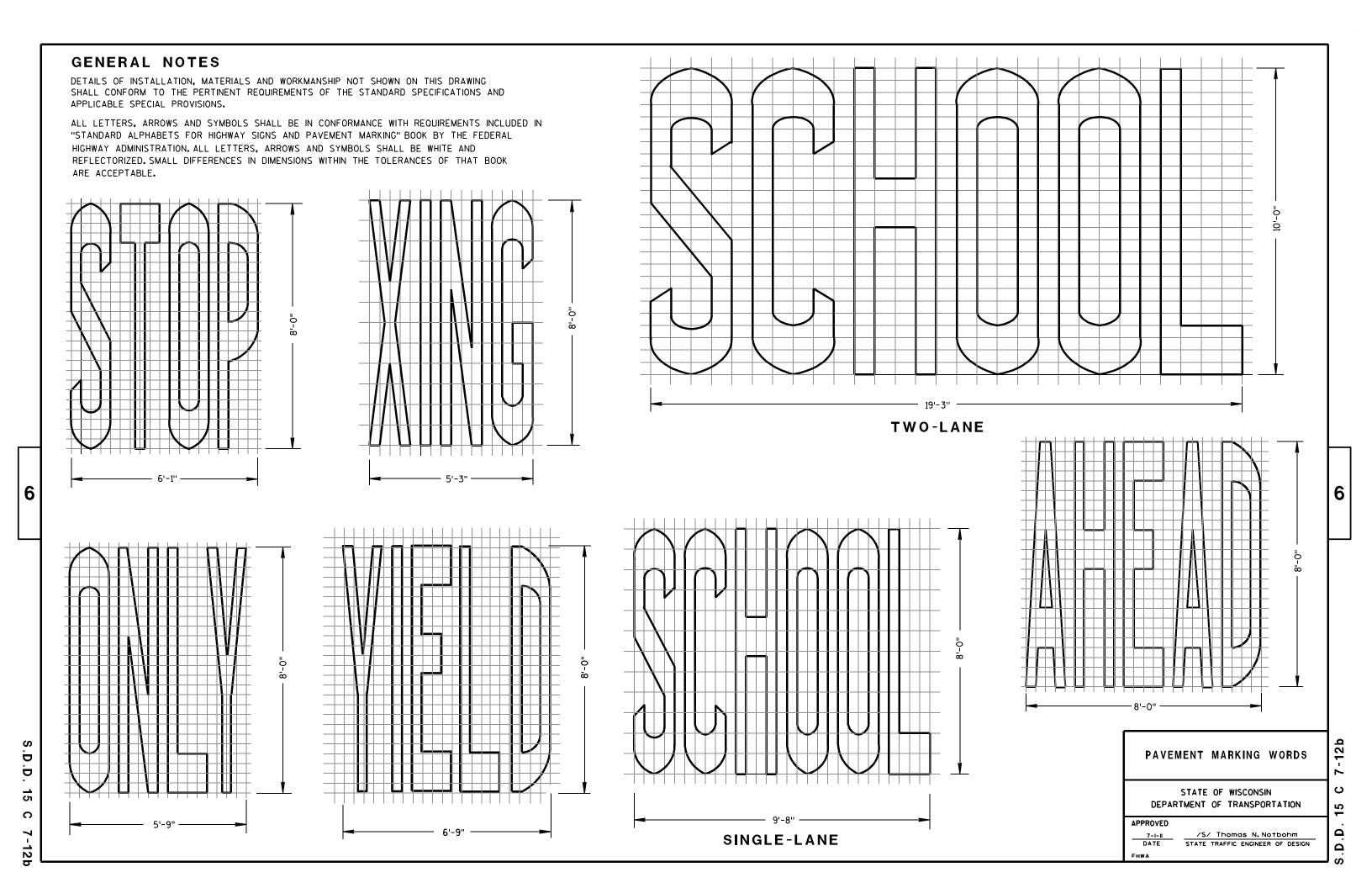
PROJECT NO: 1009-11-97 HWY: VARIOUS COUNTY: VARIOUS MISCELLANEOUS QUANTITIES SHEET NO: E

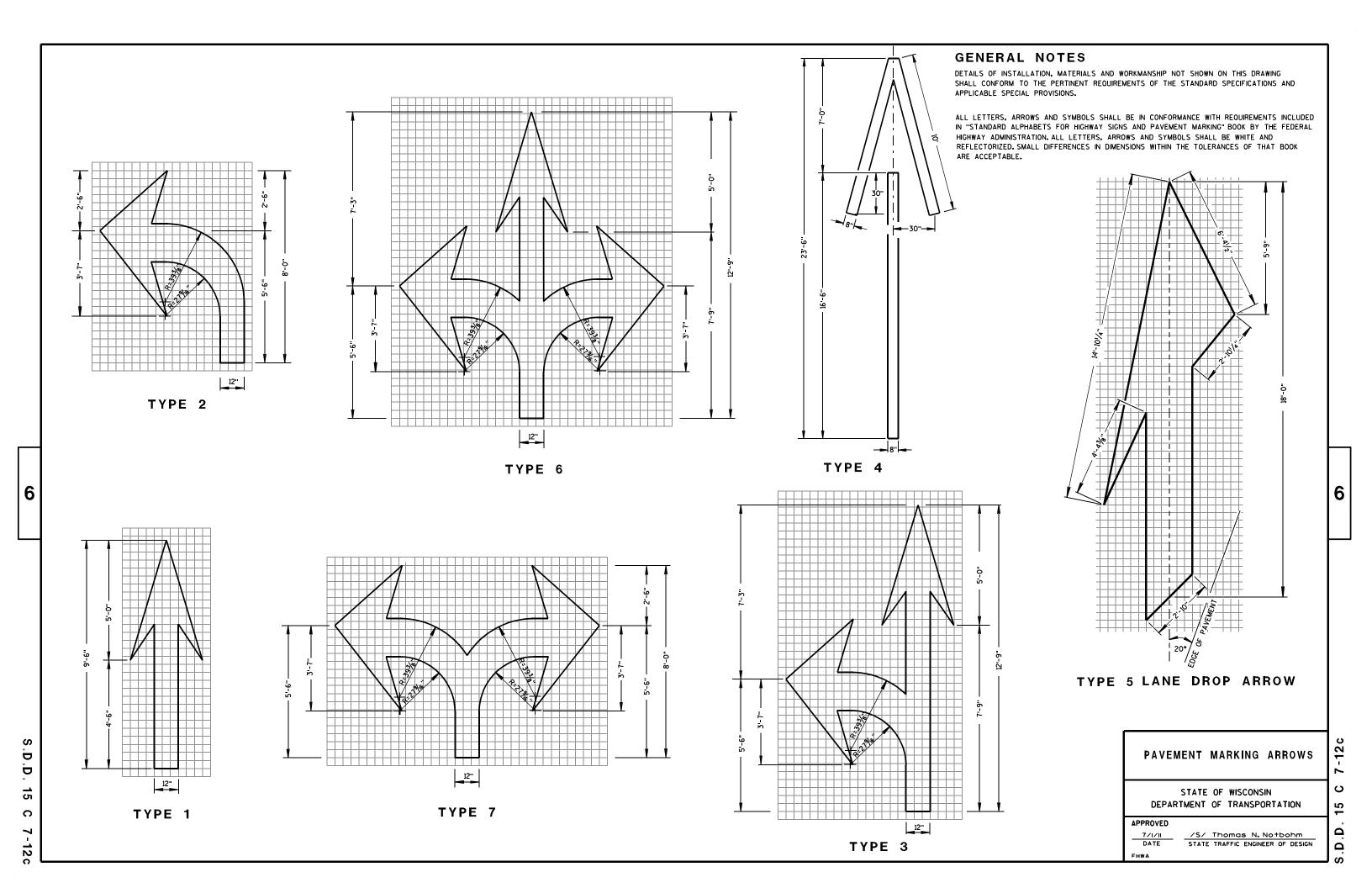
FILE NAME : ______ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ ORG DATE : _____ ORIGINATOR : DIST_ PLOT SCALE : 1:1

Standard Detail Drawing List

15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C09-09A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-03A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-03B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-03C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C21-06	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING

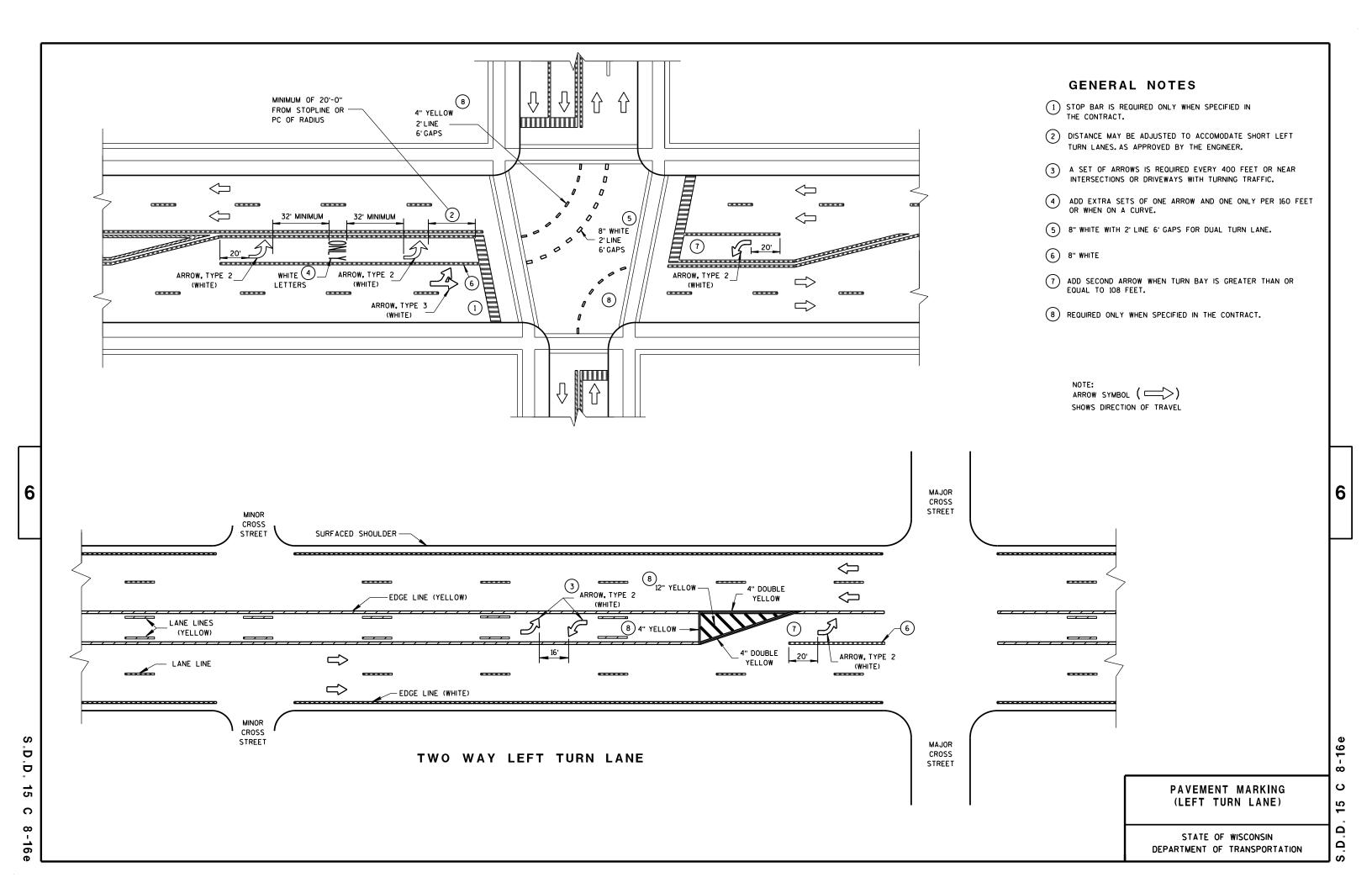
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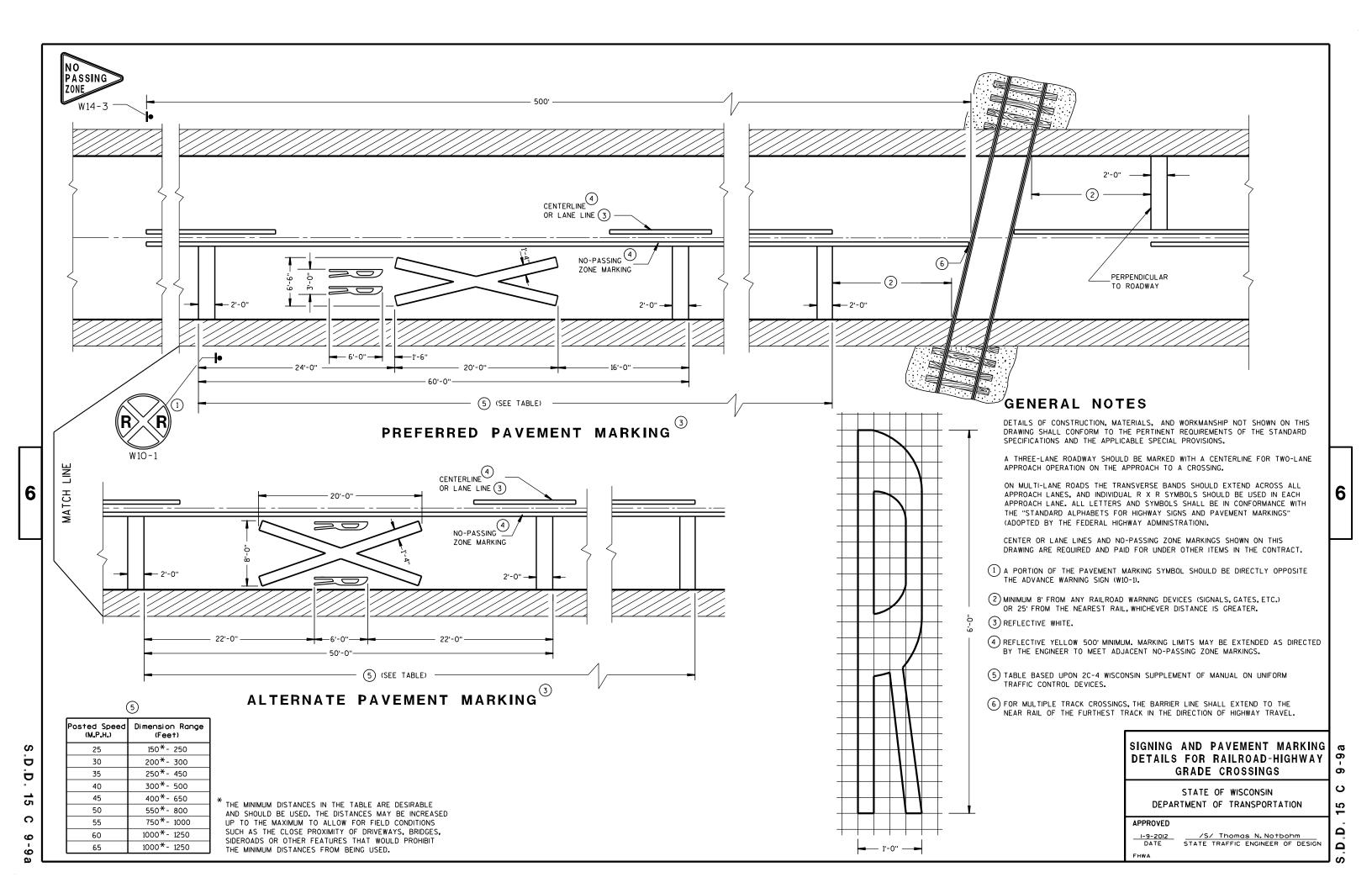




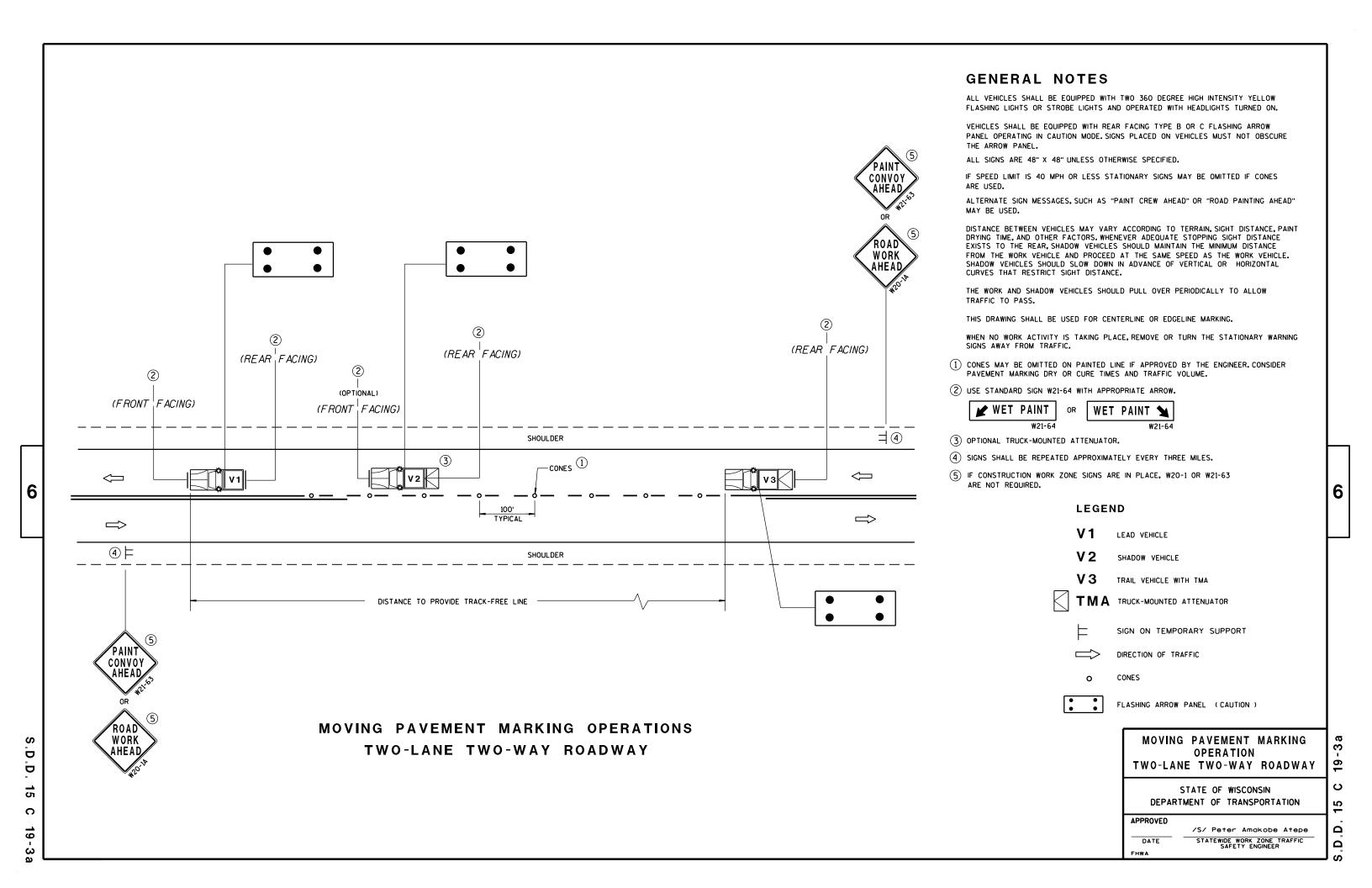


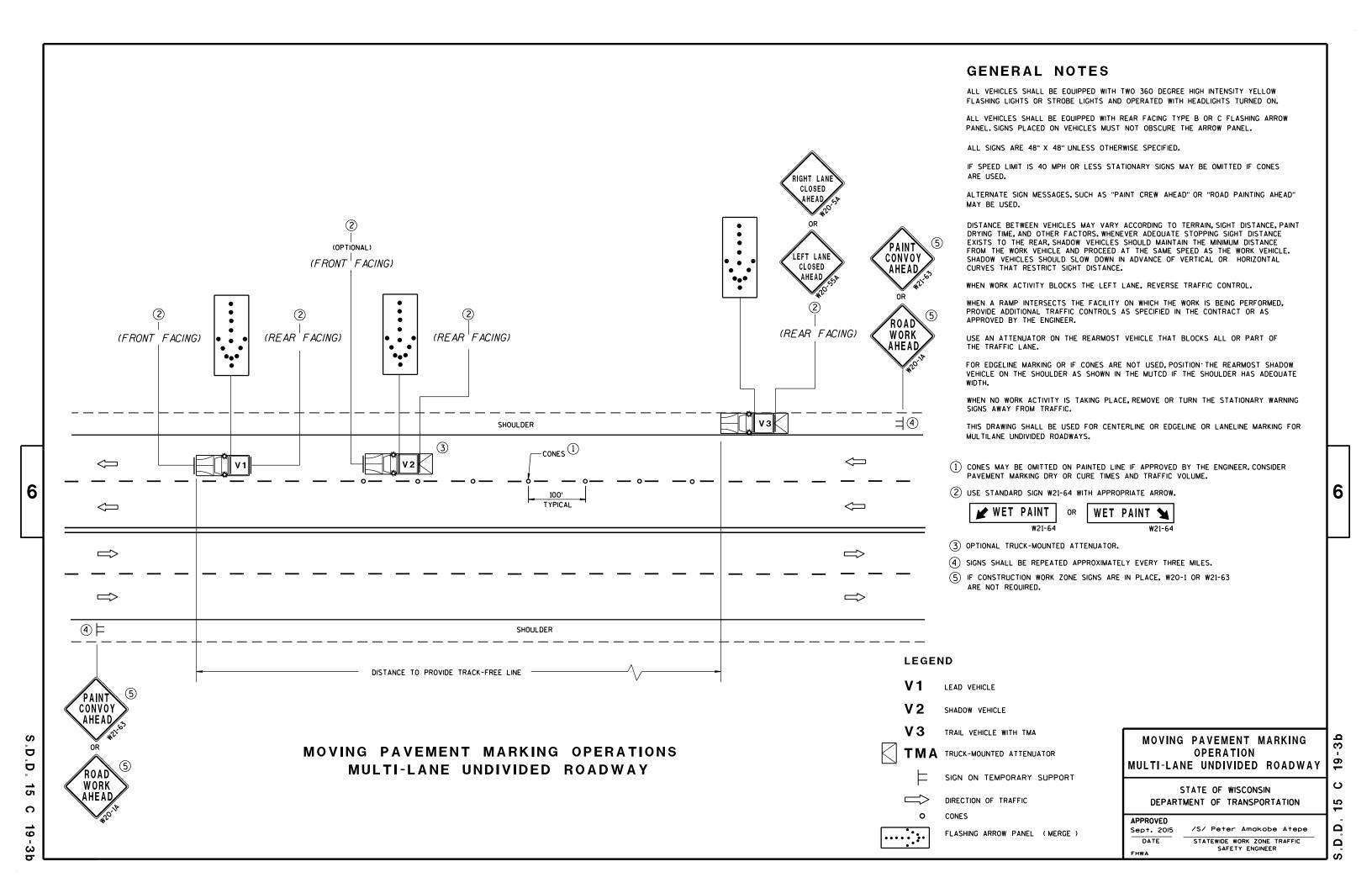


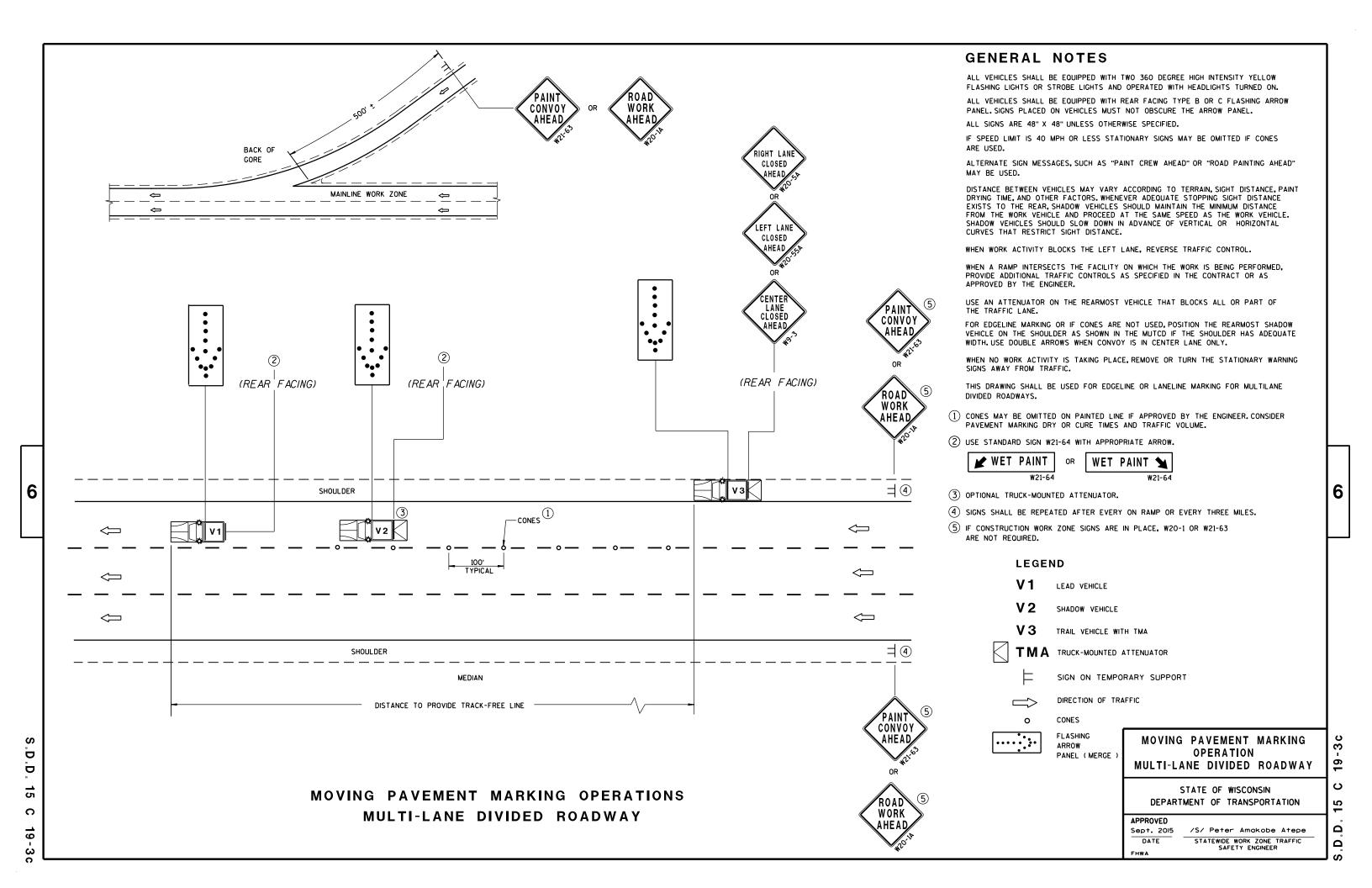


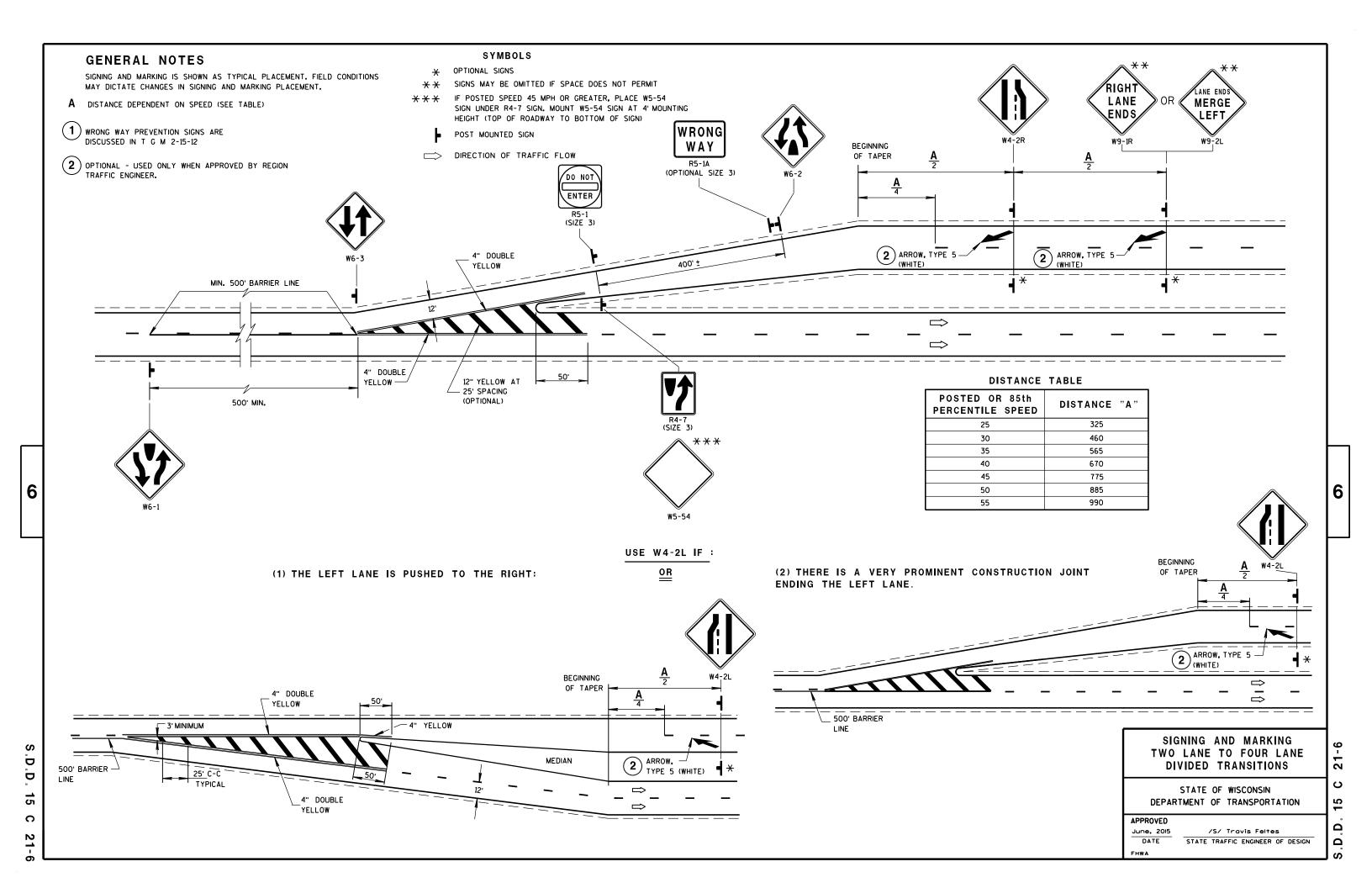


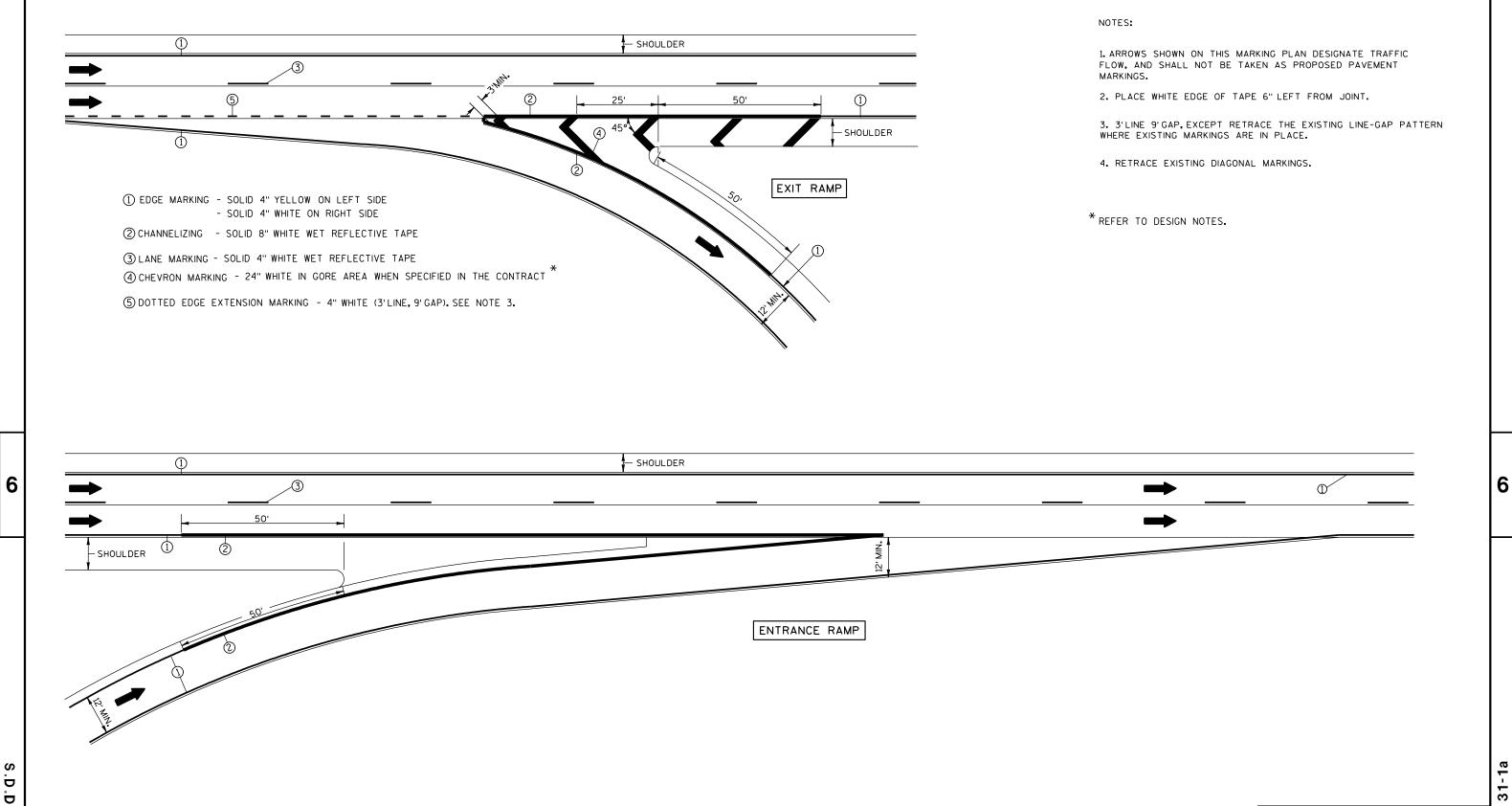










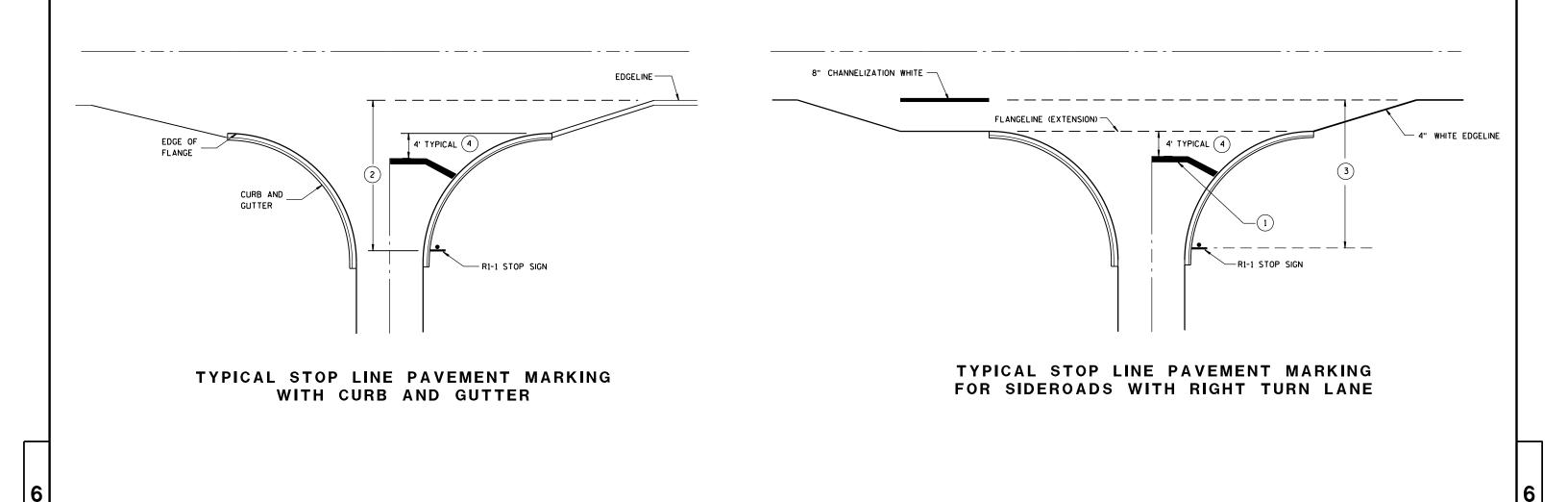


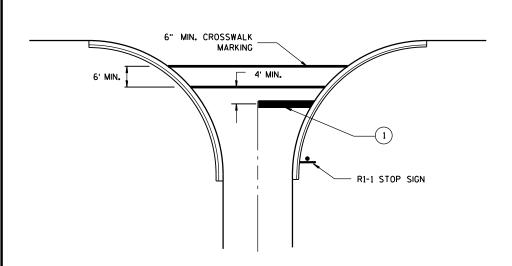
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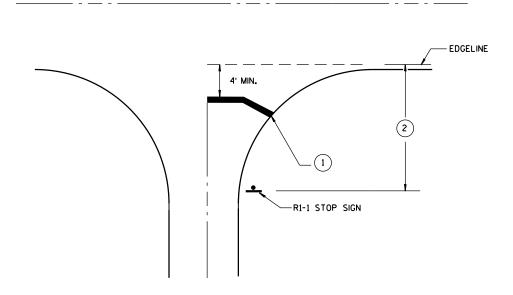
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING (RAMPS AND GORES)





TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- 2 IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- (3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED	
4/30/2013	/S/ Travis Feltes
DATE	STATE TRAFFIC ENGINEER
FHWA	

.D.D. 15 C 33-1

S.D.D.

33

Notes



Wisconsin Department of Transportation

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