

LAX

MARCH 2015

PROJECT ID: 1009-11-94

WITH:

COUNTY: VARIOUS COUNTIES

SOUTHWEST REGION

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 = 26

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

SW REGION PVMT MARKING EASTERN CTYS

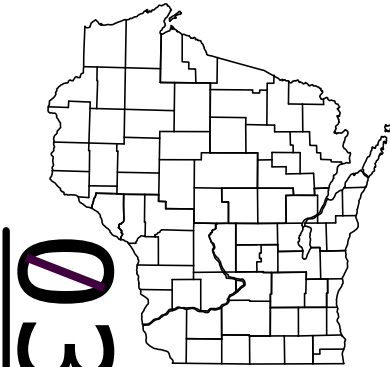
STN LOCATIONS PER ANNUAL PLAN

VAR HWY

SW REGION WIDE

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-11-94	WISC 2015163	1

STATE PROJECT NUMBER
1009-11-94



DESIGN DESIGNATION

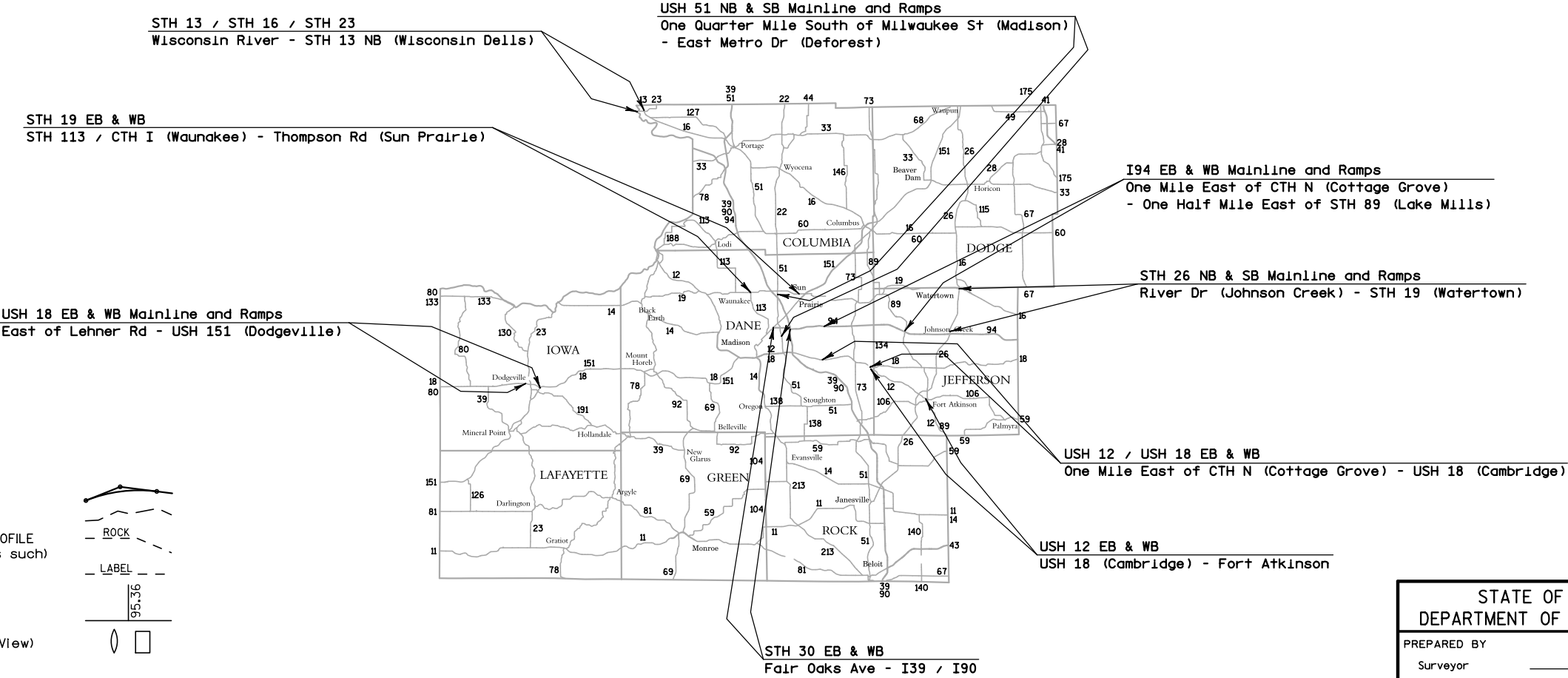
A.A.D.T.	=
A.A.D.T.	=
D.H.V.	=
D.D.	=
T.	=
DESIGN SPEED	=
ESALS	=

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	////
PROPERTY LINE	---
LOT LINE	- - - -
LIMITED HIGHWAY EASEMENT	L---
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	95.6
CULVERT (Profile View)	[]
UTILITIES	
ELECTRIC	---
FIBER OPTIC	---
GAS	---
SANITARY SEWER	---
STORM SEWER	---
TELEPHONE	---
WATER	---
UTILITY PEDESTAL	---
POWER POLE	---
TELEPHONE POLE	---



LAYOUT
SCALE 0 MI.

TOTAL NET LENGTH OF CENTERLINE = MI.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor

Designer IVER PETERSON

Project Manager

Regional Examiner

Regional Supervisor KAREN OLSON

C.O. Examiner

APPROVED FOR THE DEPARTMENT

DATE: 10-29-2014 Karen L Olson (Signature)

E

DATE 06JAN15			E S T I M A T E O F Q U A N T I T I E S			
LINE						1009-11-94
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY	
0010	619.1000	Mobilization	EACH	1.000	1.000	
0020	643.0100	Traffic Control (project) 01.	EACH	1.000	1.000	
0030	646.0106	Pavement Marking Epoxy 4-Inch	LF	1,361,467.000	1,361,467.000	
0040	646.0116	Pavement Marking Epoxy 6-Inch	LF	9,259.000	9,259.000	
0050	646.0126	Pavement Marking Epoxy 8-Inch	LF	65,506.000	65,506.000	
0060	646.0600	Removing Pavement Markings	LF	975.000	975.000	
0070	647.0156	Pavement Marking Arrows Epoxy Type 1	EACH	1.000	1.000	
0080	647.0166	Pavement Marking Arrows Epoxy Type 2	EACH	54.000	54.000	
0090	647.0356	Pavement Marking Words Epoxy	EACH	52.000	52.000	
0100	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	1,126.000	1,126.000	
0110	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	2,503.000	2,503.000	

PAVEMENT MARKING EPOXY (STH & USH)			646.0106				646.0116	646.0126			646.0600
Jefferson, Dane & Columbia Counties			4-INCH EDGE LINE YELLOW L.F.	4-INCH CENTERLINE NO PASSING YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	4-INCH EDGE LINE WHITE L.F.	6-INCH EDGE LINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (RAMP) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.	REMOVE PAVEMENT MARKING 4-INCH L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)									
USH 12 EB & WB	Jefferson County										
	USH 18	Fort Atkinson	8863	72380	2450	103962		5862			
USH 12/18	Dane County										
	1 Mile East of CTH N - Cottage Grove	315' South of USH 18 Cambridge		53761	325	90019		1560	396		
STH 30 EB	Fair Oaks Ave Bridge (West side of bridge deck)	500' East of IH39-90 NB Bridge	13074		3269	11051					
	Exit for Fair Oaks	OFF Ramp		500		500					
	Exit for Fair Oaks	ON Ramp	178	738		900		194	194		
	Exit for USH 51 (Stoughton Rd)	OFF Ramp	750			1272		509	369	400	
	Exit for USH 51 (Stoughton Rd)	ON Ramp	1069		325	1905		460	369		
	Exit for CTH T (Thompson Dr)	OFF Ramp	402			9126		877	877		
	Exit for IH 39-90 SB to Janesville/Chicago	OFF Ramp				537		265	266		
	Exit for IH 39-90 NB to Wisconsin Dells	OFF Ramp	662					334	336		
	ON Ramp from IH 39-90 NB	ON Ramp from IH 39-90 NB to STH 30 EB				1330		762	760		
	ON Ramp from IH 39-90 SB	ON Ramp from IH 39-90 SB to STH 30 EB	1913					356	358		
STH 30 WB	IH 94 Mile Marker 248.0 WB	Fair Oaks Ave Bridge (West side of bridge deck)	14248		3562	11630					
	Exit 240 for STH 30 WB	OFF Ramp to STH 30 WB						411	408		
	Exit 4-A for IH39-90 SB to Janesville	OFF Ramp to IH 39-90 SB						210	210		
	ON Ramp from IH 39-90 SB	ON Ramp from IH 39-90 SB to STH 30 WB				1345		780	775		
	ON Ramp from IH 39-90 NB	ON Ramp from IH 39-90 NB to STH 30 EB	2387					631	631		
	ON Ramp from Commercial Ave	ON Ramp from Commercial Ave/CTH T to STH 30 WB	444			444		507	509		
	Exit for USH 51 (Stoughton Rd)	OFF Ramp to USH 51 (Stoughton Rd)	1065		180	1488		418	411	685	
	Exit for USH 51 (Stoughton Rd)	ON Ramp from USH 51 (Stoughton Rd)	775		290	1100		731	731		
	Exit for Fair Oaks Ave	OFF Ramp to Fair Oaks Ave				300		314	314	150	
	Exit for Fair Oaks Ave	ON Ramp form Fair Oaks Ave to STH 30 WB		710		810					
STH 19 EB & WB	STH 113/CTH I (Waunakee)	Thompson Rd Signals (Sun Prairie)	25450	44087	1095	86200		6735			975
STH 13/16/23	Columbia County										
	Sauk County Line (Wisconsin Dells)	STH 16/23 East of Wisconsin Dells	1600	8594	2960	2571	9259	364			
Sub Totals			72880	180770	14456	326490	9259	22280	7914	1235	975
PROJECT NO: 1009-11-94			HWY: VARIOUS STH & USH		COUNTY: VARIOUS		MISCELLANEOUS QUANTITIES		SHEET NO:		E

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			646.0106			646.0126		
Jefferson, Dane & Iowa Counties			4-INCH EDGE LINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	4-INCH EDGE LINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (RAMP) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)						
	Jefferson County							
STH 26 NB	River Dr (Johnson Creek)	STH 19 northside of bridge deck (Watertown)	43425	10956	41724	4250		
STH 26 SB	STH 19 northside of bridge deck (Watertown)	River Dr (Johnson Creek)	43486	10870	41786	5425		
	CTH Y /Business 26	ON Ramp				450	450	
	Dane County							
USH 51 NB	1700' South of Milwaukee St Bridge (Madison)	East Metro Dr (Deforest)	34725	10824	31060	8546		
	Exit to Milwaukee St (Madison)	OFF Ramp	496	50	930	245	245	250
	Exit to Milwaukee St (Madison)	ON Ramp	1197	250	2696	265	265	250
USH 51 SB	East Metro Dr (Deforest)	1700' South of Milwaukee St Bridge (Madison)	33711	11352	32287	7739		
	Exit to Milwaukee St (Madison)	OFF Ramp	1782	350	2635			
	Exit to Milwaukee St (Madison)	ON Ramp	525		1777	659	659	
	Iowa County							
USH 18 EB	320' East of Lehner Rd (Dodgeville)	1400" West of Bennett Rd (Dodgeville)	7769	1987	7947	1360		
	1500" East of Bennett Rd (Dodgeville)	Gore Marking at ON Ramp to USH 18EB/USH 151 NB	4287	719	3572			
	Exit 60 for USH 151 SB to Dubuque	OFF Ramp to USH 151 SB			641	495	411	
USH 18 WB	1000' West of Bennett Rd (Dodgeville)	1285' East of Lehner Rd (Dodgeville)	7288	1866	7150	1389		
	Exit 47 for USH 18 WB to Dodgeville	OFF Ramp to USH 18 WB	2005	224	2006			
	ON Ramp from USH 151 to USH 18 WB	ON Ramp to USH 18 WB			1359	262	262	
Sub Totals			180696	49448	177570	31085	2292	500

PAVEMENT MARKING EPOXY (INTERSTATE LOCATIONS)						646.0126
Dane & Jefferson Counties						8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)	4-INCH EDGELINE YELLOW L.F.	4-INCH LANELINE WHITE L.F.	4-INCH EDGELINE WHITE L.F.	
IH 94 EB	Dane & Jefferson Counties					
	1 mile East of Exit 244 - CTH N Cottage Grove	2300' East of Exit 259 - STH 89 Lake Mills	74755	17576	69876	
	Exit 250 at STH 73	OFF Ramp	600		1591	50
	Exit 250 at STH 73	ON Ramp	7015		2165	
	Exit 259 at STH 89	OFF Ramp	915		1829	50
IH 94 WB	Exit 259 at STH 89	ON Ramp	660		1994	
	2300' East of Exit 259 - STH 89 Lake Mills	.7 mile East of Exit 244 - CTH N Cottage Grove	76371	17980	71491	
	Exit 259 at STH 89	OFF Ramp	1082		2015	50
	Exit 259 at STH 89	ON Ramp	961		2694	
	Exit 250 at STH 73	OFF Ramp	935		1621	50
	Exit 250 at STH 73	ON Ramp	530		2019	
Sub Totals			163824	35556	157295	200

NOTE: Existing Reflective Tape (Channelizing Lines) Are to Remain

SUMMARY OF 4-INCH, 6-INCH, 8-INCH & REMOVALS														
		646.0106						646.0116	646.0126			646.0600		
		4-INCH EDGELINE YELLOW L.F.	4-INCH CENTERLINE NO PASSING YELLOW L.F.	4-INCH LANELINE WHITE L.F.	4-INCH EDGELINE WHITE L.F.	4-INCH MINI DASHES YELLOW L.F.	4-INCH MINI DASHES WHITE L.F.	6-INCH EDGELINE WHITE L.F.	8-INCH CHANNELIZING WHITE (MAINLINE) L.F.	8-INCH CHANNELIZING WHITE (RAMP) L.F.	8-INCH CHANNELIZING WHITE (ISLAND GORE) L.F.	REMOVE PAVEMENT MARKING 4-INCH L.F.		
LOCATION	COUNTY	Various STH & USH	Jefferson, Dane & Columbia (STH & USH)	72880	180770	14456	326490			9259	22280	7914	1235	975
Various STH & USH	Jefferson, Dane & Iowa Counties (Divided Highways)			180696		49448	177570				31085	2292	500	
IH 94	Dane & Jefferson Counties (Interstate Locations)			163824		35556	157295						200	
Various STH & USH	Dane County							1428	1054					
TOTALS				417400	180770	99460	661355	1428	1054	9259	53365	10206	1935	975
				TOTAL 4-INCH 1361467							TOTAL 8-INCH 65506			

PAVEMENT MARKING EPOXY (SPECIAL MARKINGS)			646.0106		647.0166	647.0356
Dane County			4-INCH MINI DASHES YELLOW L.F.	4-INCH MINI DASHES WHITE L.F.	ARROWS TYPE 2 WHITE EACH	WORDS "ONLY" WHITE EACH
HIGHWAY	LOCATION	LOCATION (DIRECTION)				
	Dane County					
STH 19 EB & WB	IH 39-90-94 (Windsor)				4	4
STH 19 EB	CTH CV (Windsor)				2	2
STH 19 EB & WB	USH 51 (Windsor)				4	4
STH 19 EB & WB	Portage Rd (Token Creek)				2	2
STH 19 EB	Oxford Pl (Sun Prairie)				2	1
STH 19 EB & WB	CTH C (Sun Prairie)				4	4
STH 19 EB & WB	Shopping Center Entrance (Sun Prairie)				4	4
STH 19 EB	Thompson Dr (Sun Prairie)				4	4
USH 51	Lexington Ave - Commercial Ave (Madison)	Eastbound to Northbound	33	40		
USH 51	Lexington Ave - Commercial Ave (Madison)	Westbound to Southbound	34	45		
USH 51 SB	USH 51 to Broadway (Madison)	Southbound to Eastbound	236	188		
USH 51 NB	USH 51 to Broadway (Madison)	Northbound to Westbound	150	150		
Broadway EB	Broadway to USH 51 (Madison)	Eastbound to Northbound	80	90		
Broadway WB	Broadway to USH 51 (Madison)	Westbound to Southbound	75	86		
USH 51 SB	STH 30 (Madison)	Southbound to Eastbound		60		
USH 51 NB	STH 30 (Madison)	Northbound to Westbound		55		
STH 30 WB	USH 51 (Madison)	Westbound to Southbound		60		
USH 51 NB	USH 151 (Madison)	Northbound to Southbound	50			
USH 51 SB	USH 151 (Madison)	Southbound to Northbound	50	75		
USH 151 NB	USH 51 (Madison)	Northbound to Northbound	50			
USH 151 SB	USH 51 (Madison)	Southbound to Southbound	50	75		
USH 51 NB	Anderson St (Madison)	Northbound to Westbound	40	50		
USH 51 NB	Kinsman Blvd (Madison)	Northbound to Westbound	40			
USH 51 NB	Kinsman Blvd (Madison)	Southbound to Eastbound	40			
Kinsman Blvd EB	USH 51 (Madison)	Eastbound to Northbound	40			
Kinsman Blvd WB	USH 51 (Madison)	Westbound to Southbound	40			
USH 51 NB	Hoepker Rd	Northbound to Westbound	45			
USH 51 SB	Hoepker Rd	Southbound to Eastbound	45			
Hoepker Rd EB	USH 51 NB	Eastbound to Northbound	45			
Hoepker Rd WB	USH 51 SB	Westbound to Southbound	45			
USH 51 NB	CTH CV WB	Northbound to Westbound	60			
USH 51 SB	Anderson Rd EB	Southbound to Eastbound	60			
CTH CV EB	USH 51 NB	Eastbound to Northbound	60	80		
Anderson Rd WB	USH 51 SB	Westbound to Southbound	60			
Sub Totals			1428	1054	26	25

PAVEMENT MARKING EPOXY (SPECIAL MARKINGS)			647.0766	647.0566	647.0156	647.0166	647.0356
Columbia & Iowa Counties			6-INCH CROSSWALK WHITE L.F.	18-INCH STOP LINE WHITE L.F.	ARROWS TYPE 1 WHITE EACH	ARROWS TYPE 2 WHITE EACH	WORDS "ONLY" WHITE EACH
HIGHWAY	LOCATION (AT)	LOCATION (DIRECTION)					
COLUMBIA COUNTY (Wis Dells)							
STH 13 NB	Superior St/River Rd - Wis Dells		170	45		1	1
STH 13 SB	Superior St/River Rd - Wis Dells		170	45		1	1
Superior St	STH 13 - Wis Dells		84	30			
River Rd	STH 13 - Wis Dells		84	30			
STH 13 NB	Oak St - Wis Dells		170	45			
STH 13 SB	Oak St - Wis Dells		170	45			
Oak St	STH 13 - Wis Dells		84	30			
Oak St	STH 13 - Wis Dells		84	30			
STH 13 NB	Vine St - Wis Dells		115	29			
STH 13 SB	Vine St - Wis Dells		115	29			
Vine St	STH 13 - Wis Dells		87	24			
Vine St	STH 13 - Wis Dells		40	15			
STH 13 NB	STH 16/23 Wis Dells		75	24		2	1
STH 13 SB	STH 16/23 Wis Dells		80	40		2	2
STH 23 WB	STH 13/16 Wis Dells			20			
STH 16 WB	STH 13/23 Wis Dells		110	50		2	2
STH 16 EB	STH 13/23 Wis Dells		60				
IOWA COUNTY (Dodgeville)							
USH 18 WB	STH 23	Westbound	580	65		4	4
USH 18 EB	STH 23	Eastbound		65		4	4
STH 23 NB	USH 18	Northbound		65		2	2
STH 23 SB	USH 18	Southbound		45		1	1
STH 23 NB	CTH YZ	Northbound		24			
STH 23 SB	CTH YZ	Southbound		24			
CTH YZ EB	STH 23	Eastbound		50			
CTH YZ WB	STH 23	Westbound		50			
USH 18 WB	N Johns St - Dodgeville	Westbound	225	60		2	2
USH 18 EB	N Johns St - Dodgeville	Eastbound		60		2	2
N Johns St	USH 18 - Dodgeville	Northbound		45	1	2	2
N Johns St	USH 18 - Dodgeville	Southbound		42		1	1
USH 18 WB	Lisa St - Dodgeville	Westbound				2	2
Sub Totals			2503	1126	1	28	27

SUMMARY OF SPECIAL MARKING						
HIGHWAY LOCATIONS		647.0766 6-INCH CROSSWALK WHITE L.F.	647.0566 18-INCH STOP LINE WHITE L.F.	647.0156 ARROWS TYPE 1 WHITE EACH	647.0166 ARROWS TYPE 2 WHITE EACH	647.0356 WORDS "ONLY" WHITE EACH
Various	Dane County				26	25
Various	Columbia & Iowa Counties	2503	1126	1	28	27
TOTALS		2503	1126	1	54	52

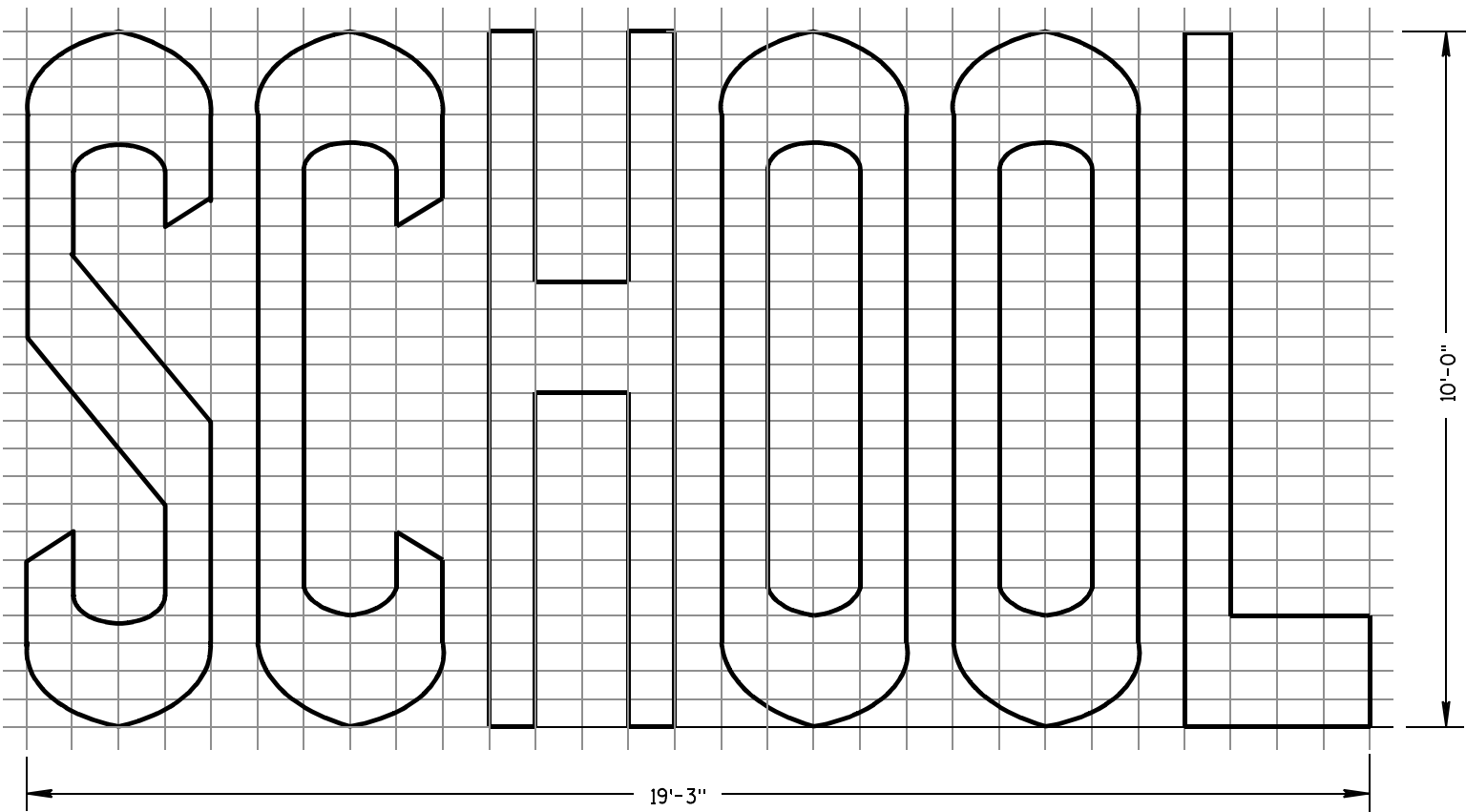
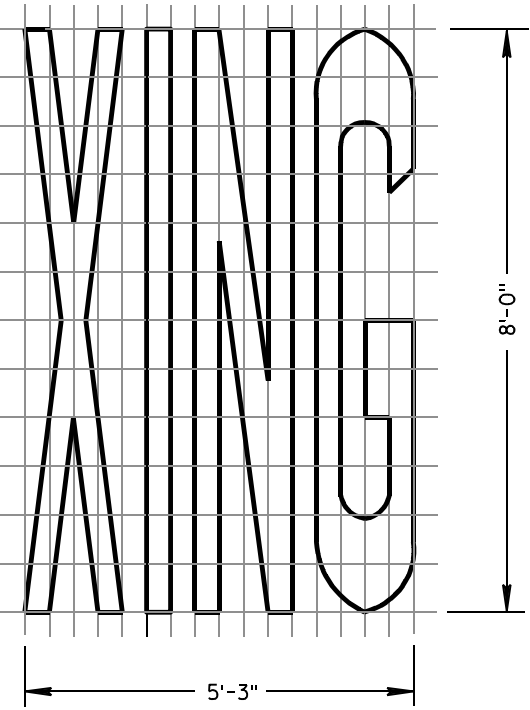
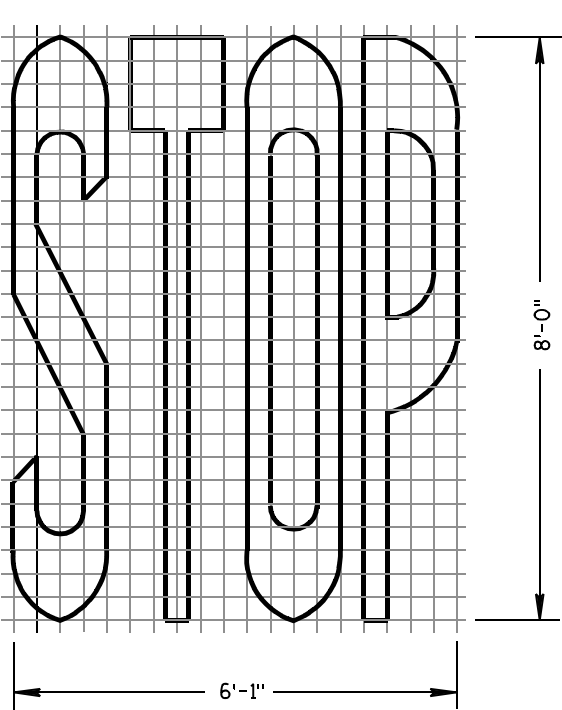
Standard Detail Drawing List

15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16C	PAVEMENT MARKING (CLIMBING LANE & PASSING LANE)
15C08-16D	PAVEMENT MARKING (CLIMBING LANE & PASSING LANE)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C18-03	MEDIAN ISLAND MARKING
15C19-02A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-02B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-02C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C21-05	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

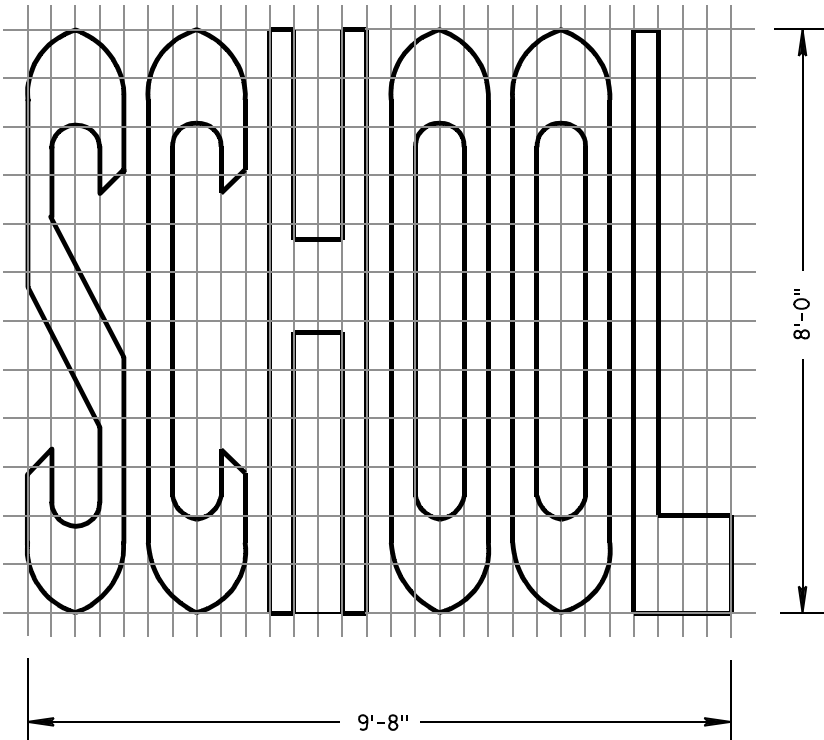
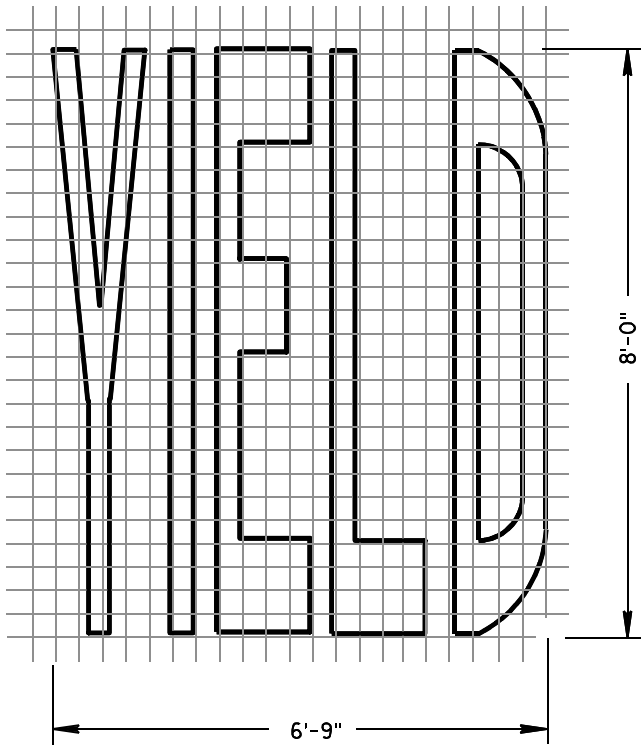
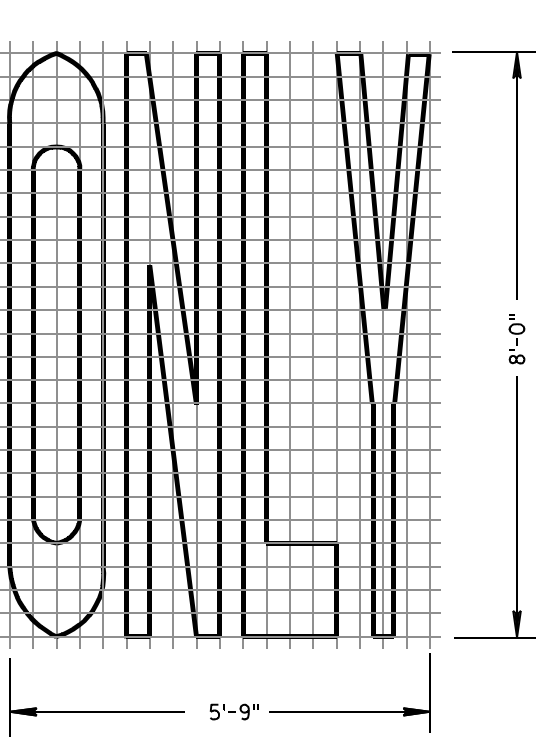
GENERAL NOTES

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.

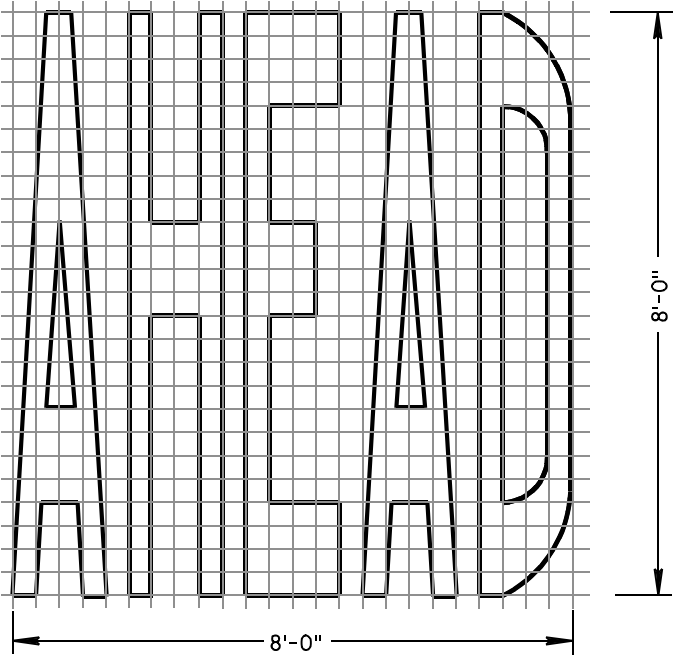
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



TWO-LANE



SINGLE-LANE



PAVEMENT MARKING WORDS

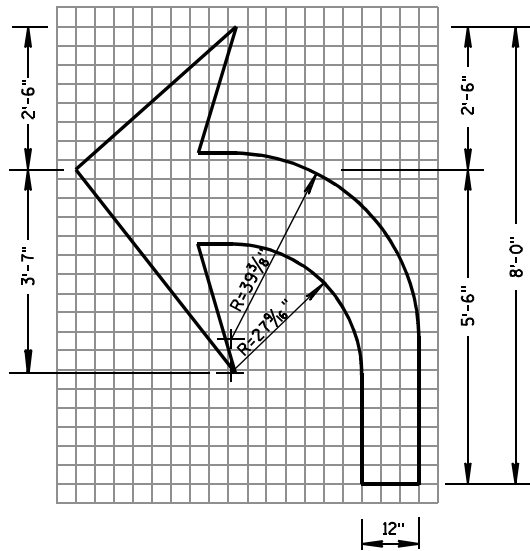
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

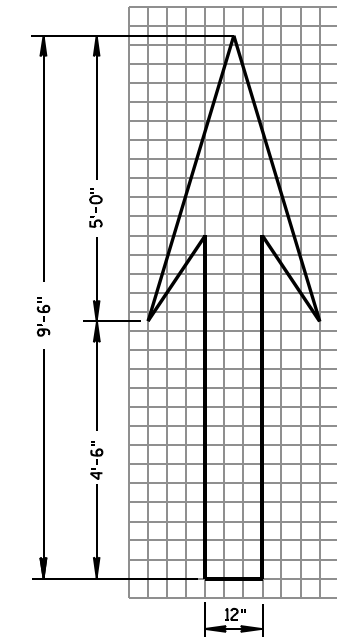
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DATE

/S/ Thomas N. Notbohm
STATE TRAFFIC ENGINEER OF DESIGN

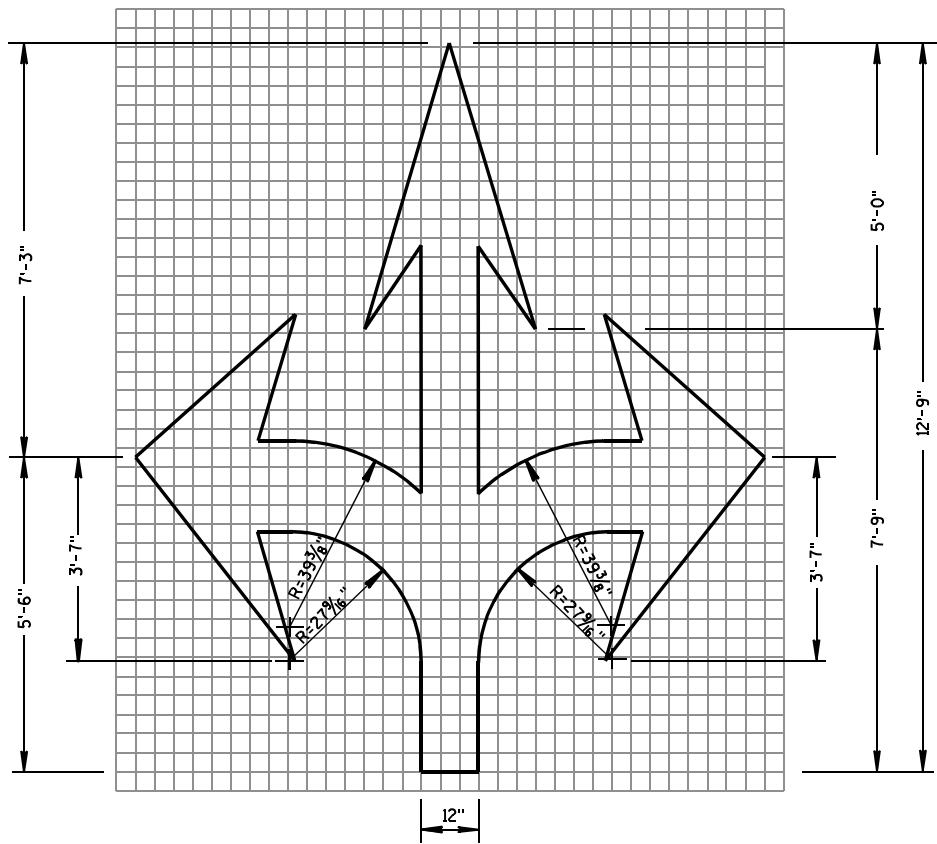
FHWA



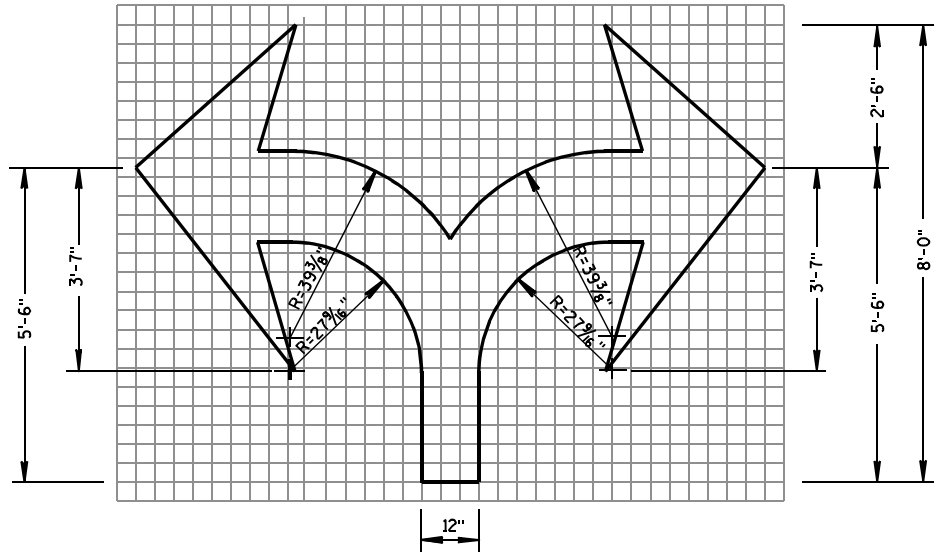
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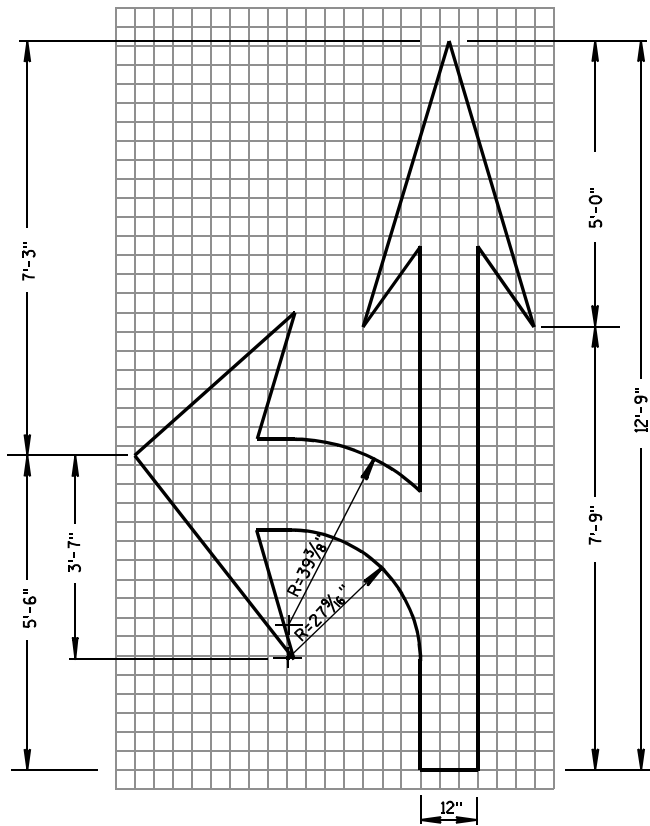
TYPE 1



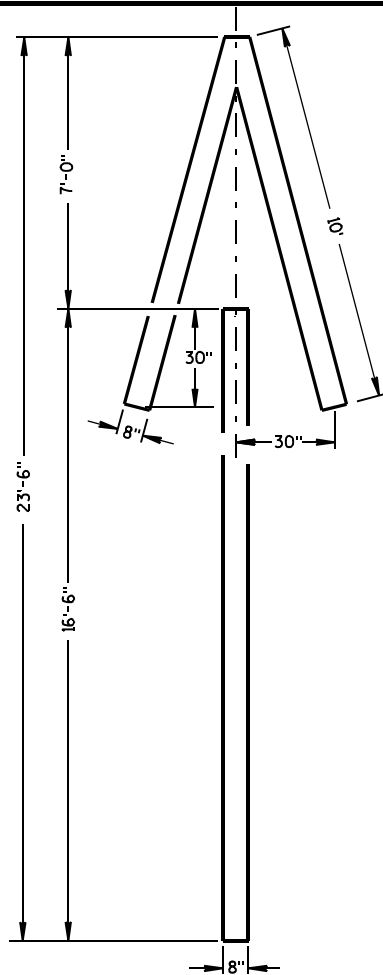
TYPE 6



TYPE 7



TYPE 3

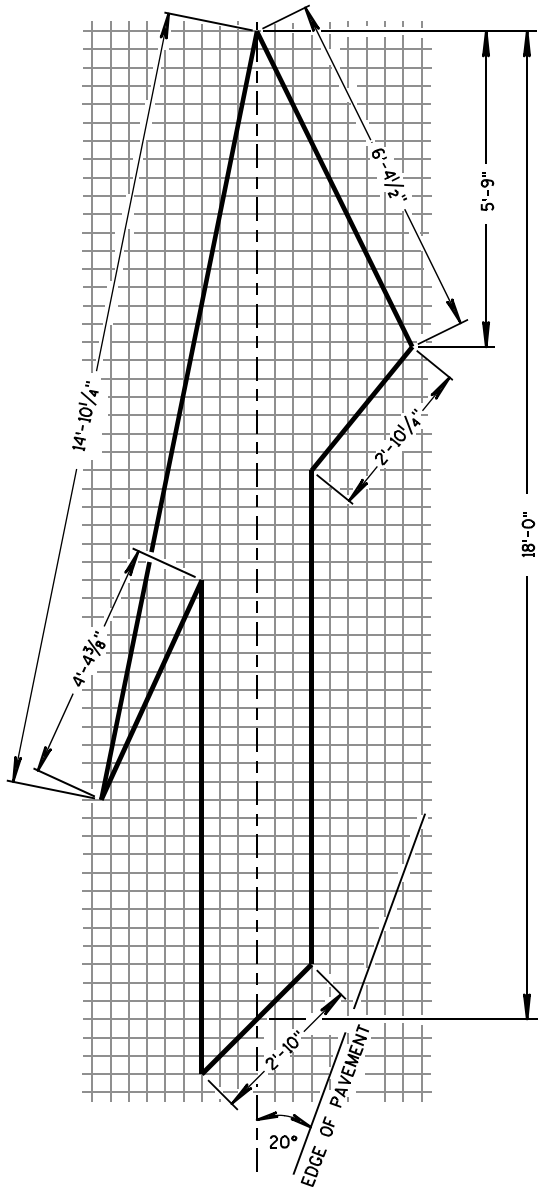


TYPE 4

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.

ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



TYPE 5 LANE DROP ARROW

PAVEMENT MARKING ARROWS

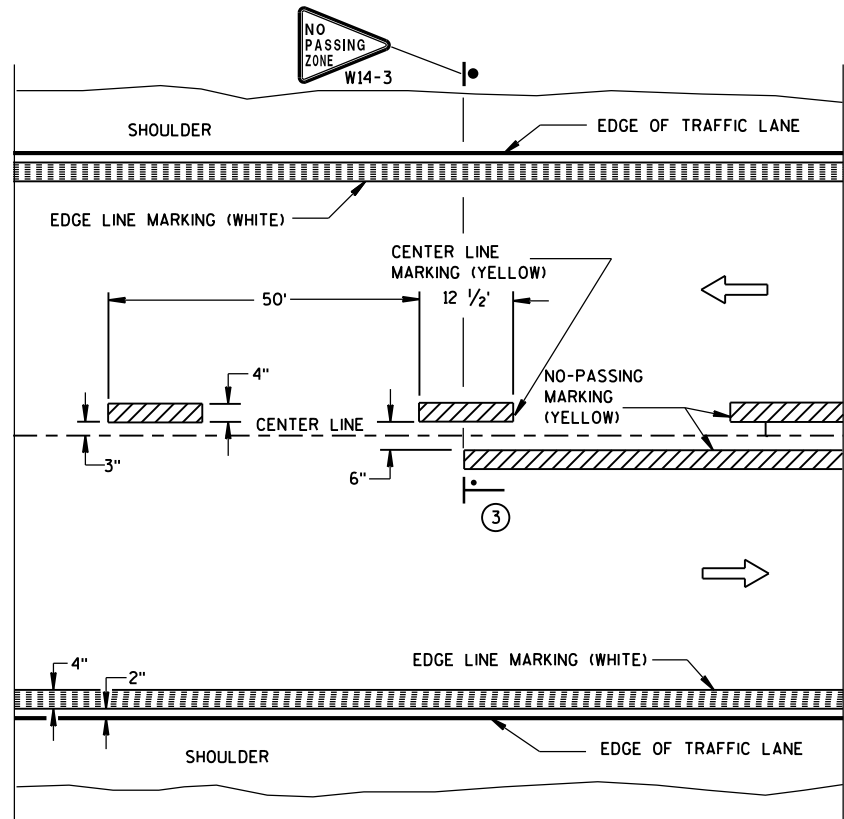
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

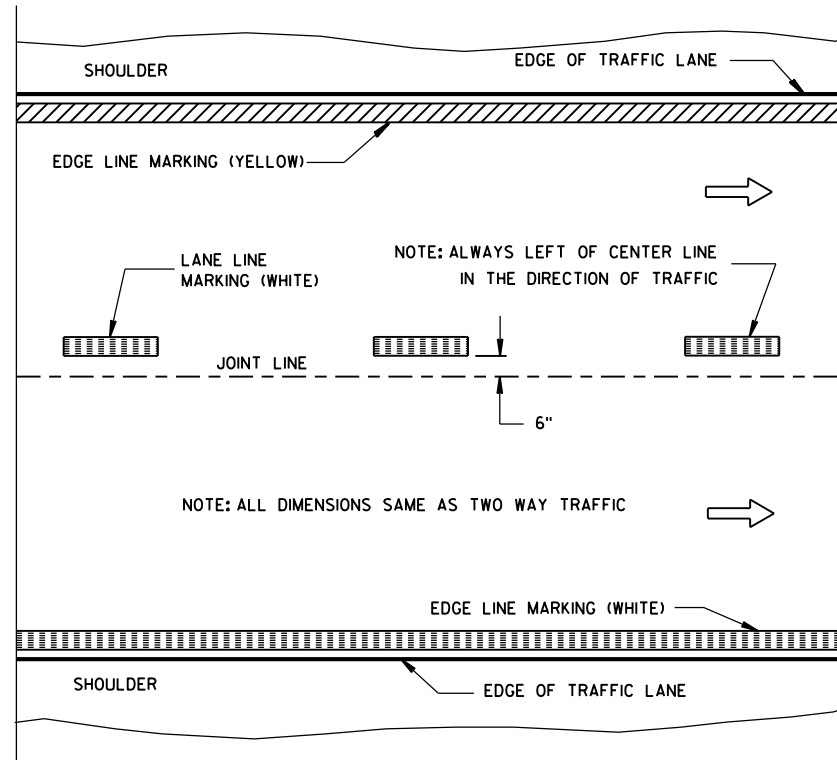
7/1/11
DATE

/S/ Thomas N. Notbohm
STATE TRAFFIC ENGINEER OF DESIGN

FHWA

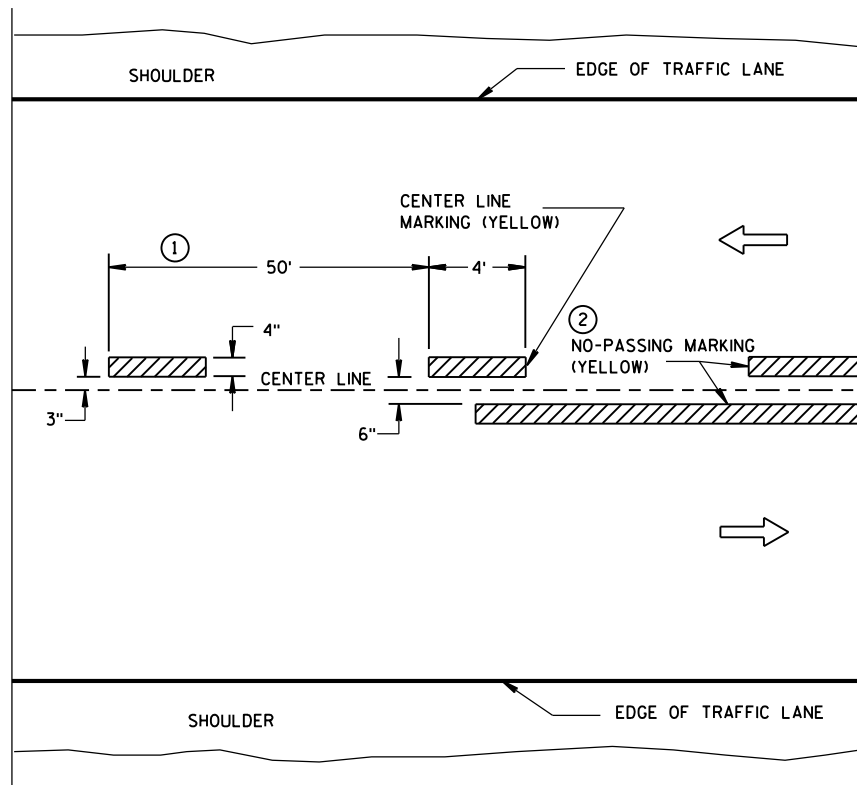


TWO WAY TRAFFIC

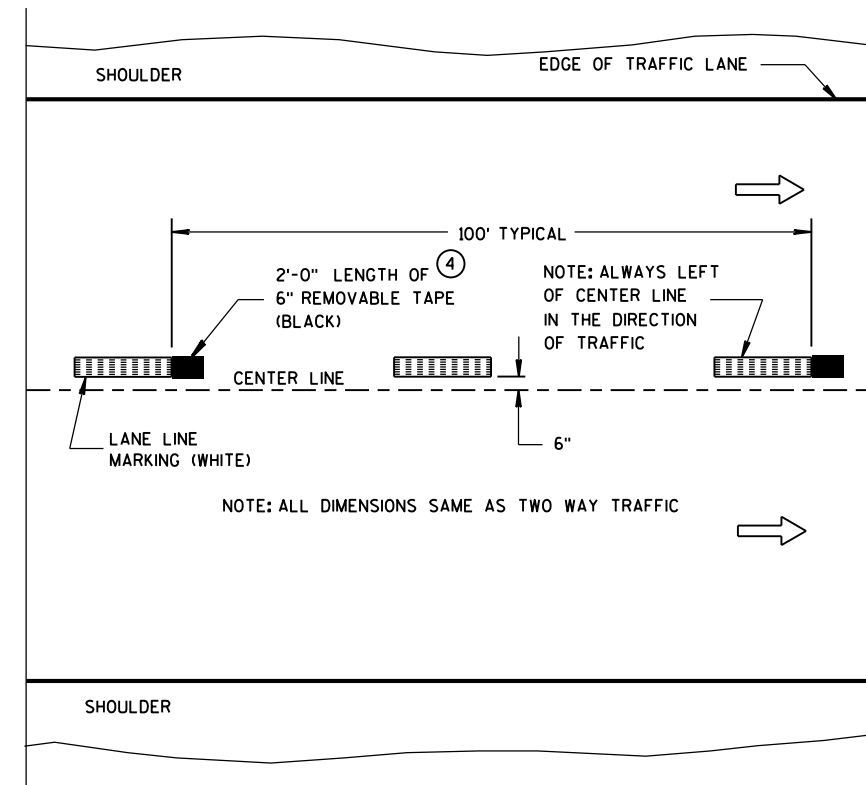


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING
(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

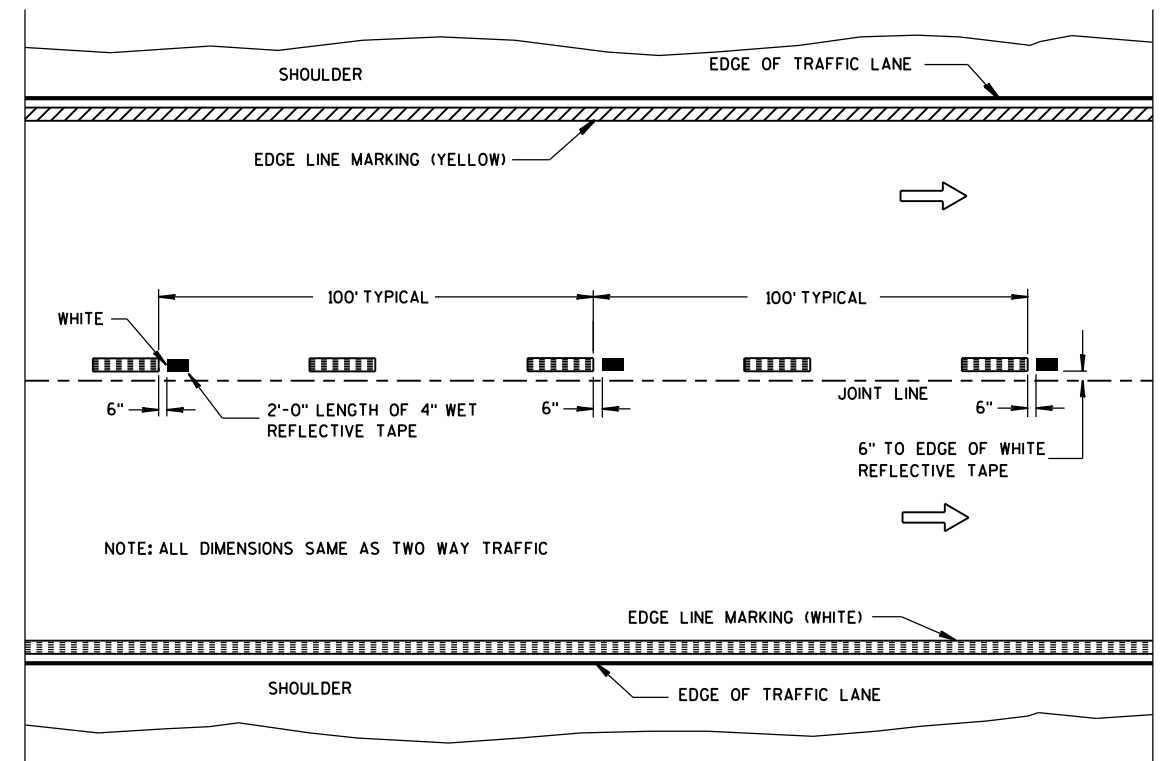
GENERAL NOTES

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

- 1 HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
- 2 NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
- 3 NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
- 4 CONCRETE ONLY.

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

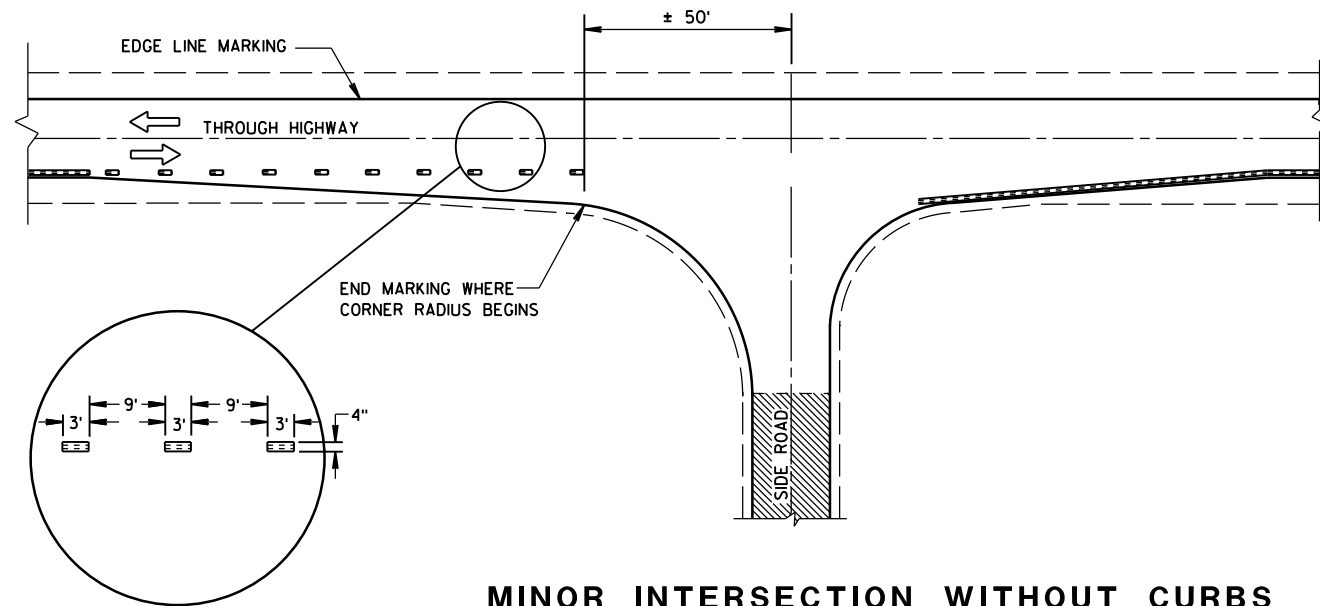
LEGEND

- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

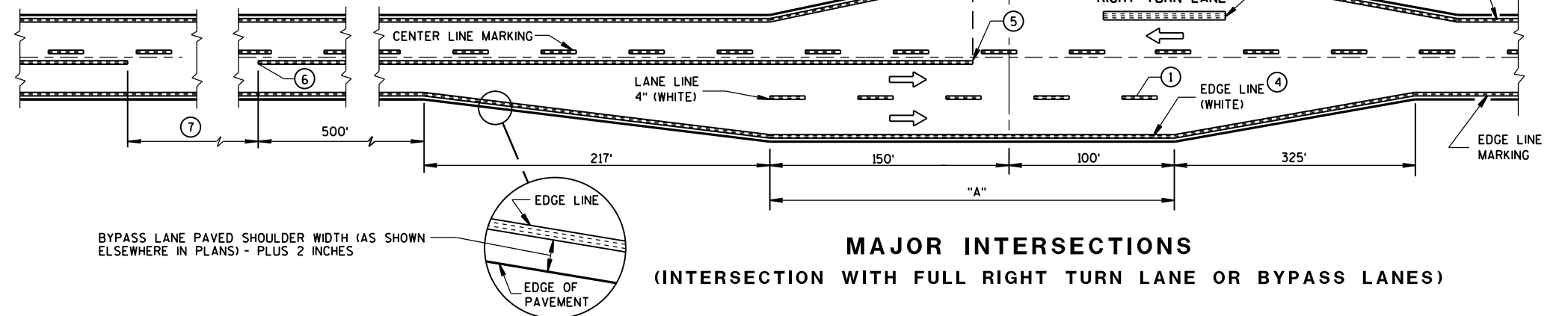
APPROVED
5-13-2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER
FHWA



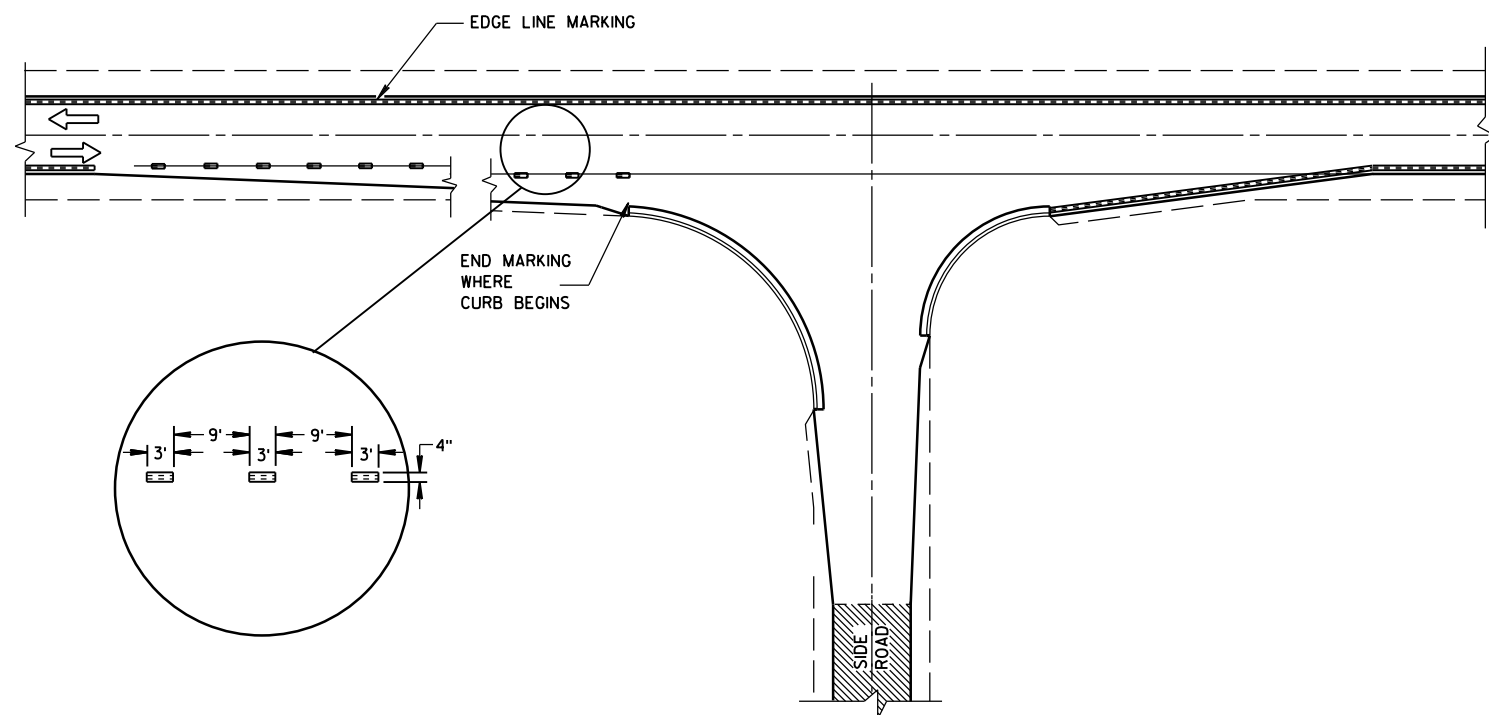
MINOR INTERSECTION WITHOUT CURBS

⑦

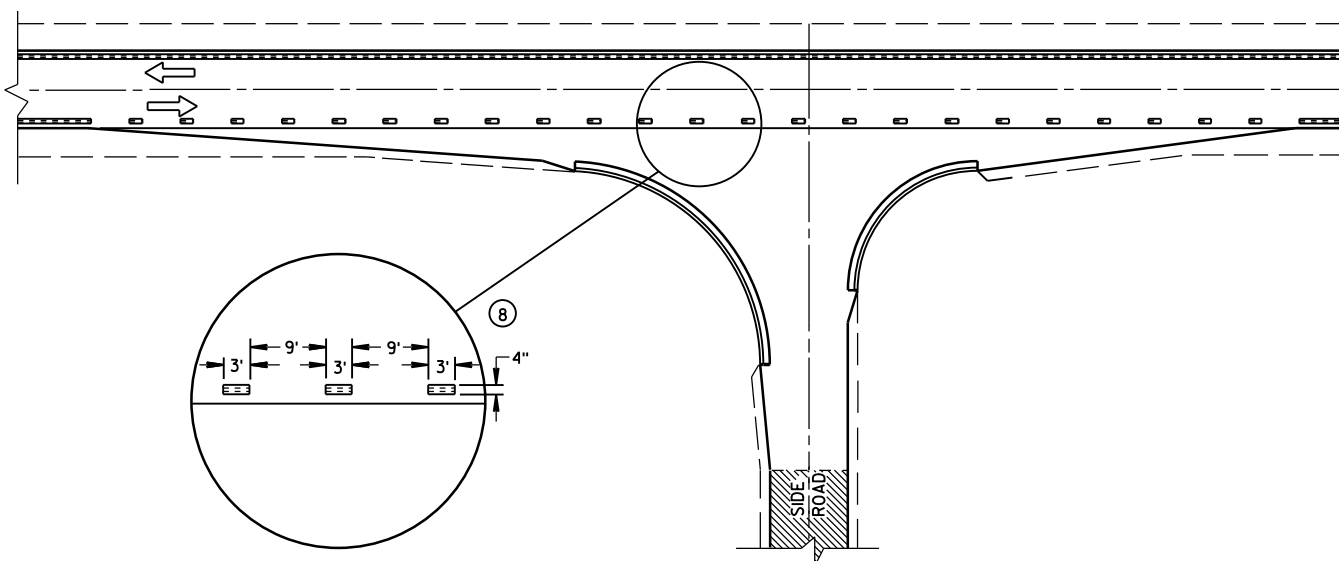
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



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



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



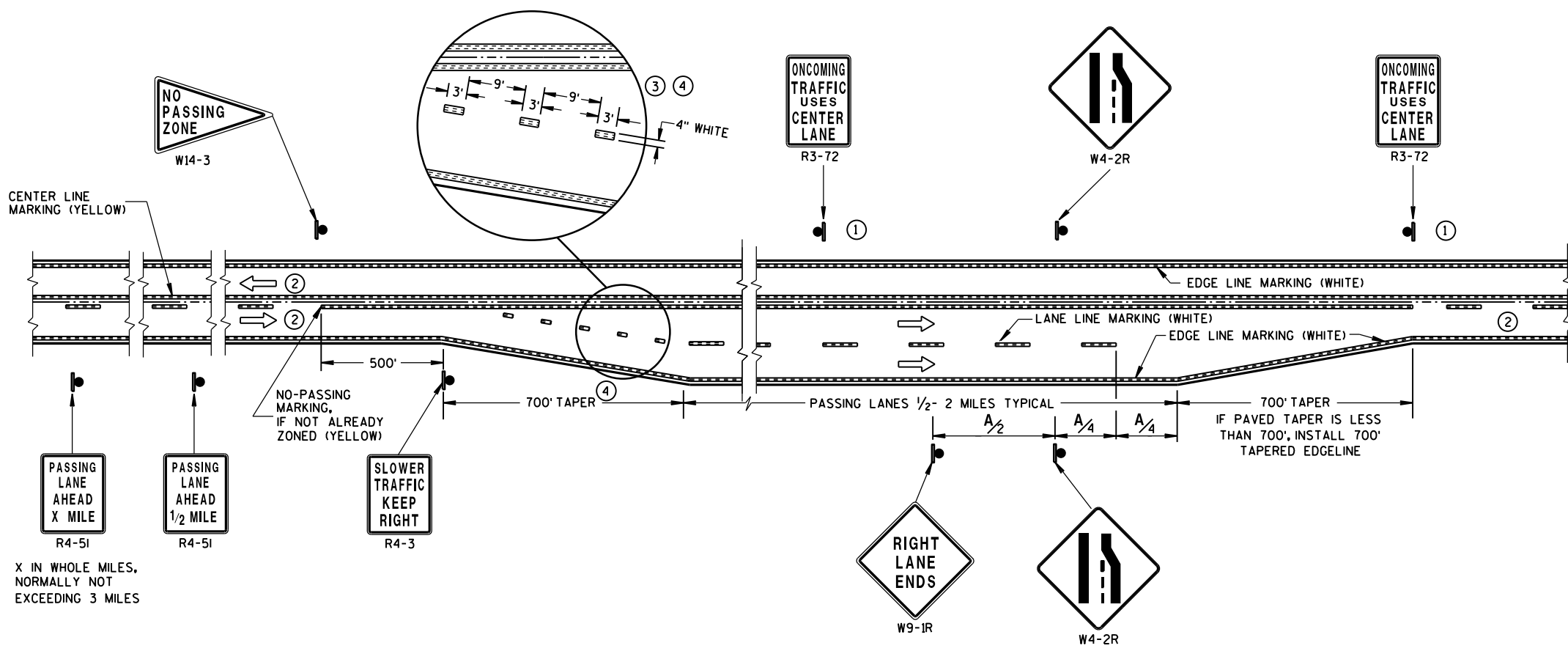
MINOR INTERSECTION WITH CURBS
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

GENERAL NOTES

- EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED 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 ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.
 - ④ THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.
 - ⑤ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
 - ⑥ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
 - ⑦ IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.
 - ⑧ 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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

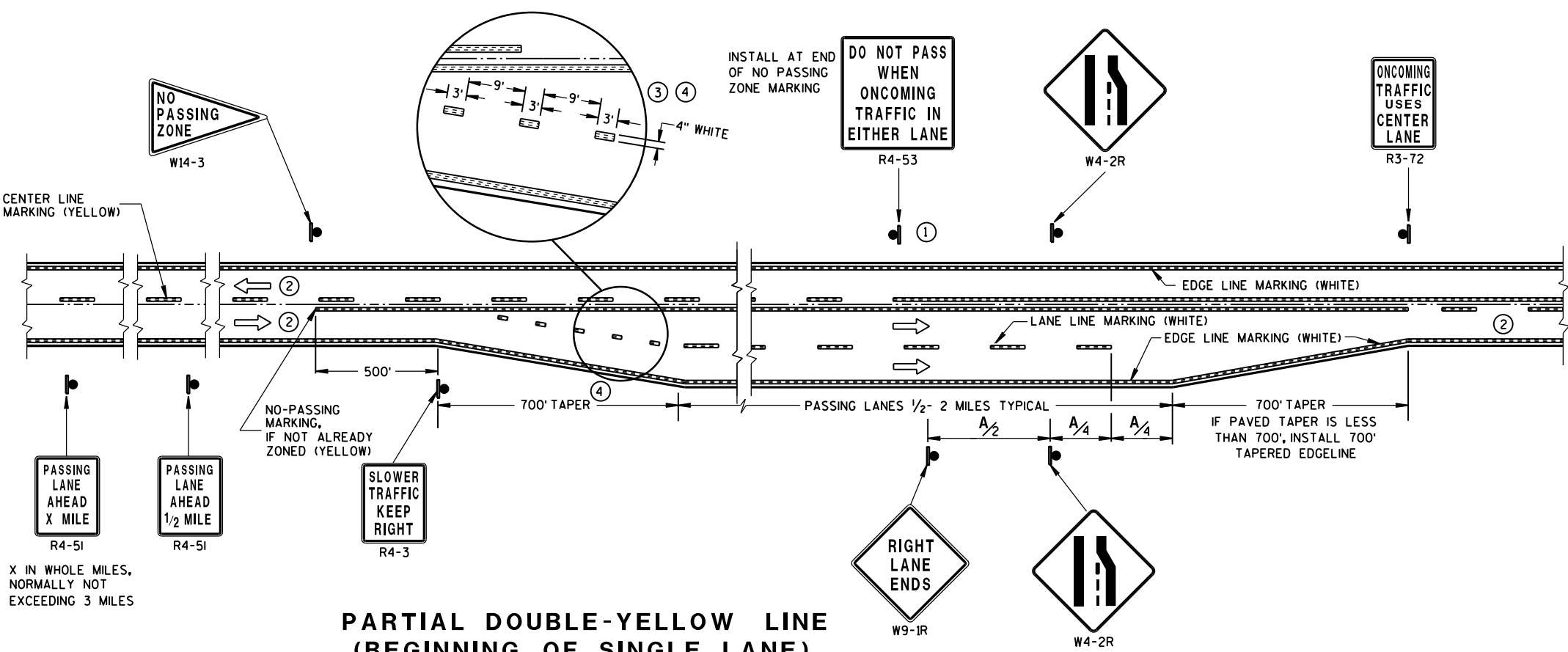
GENERAL NOTES

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

ARROW SYMBOL (➡) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

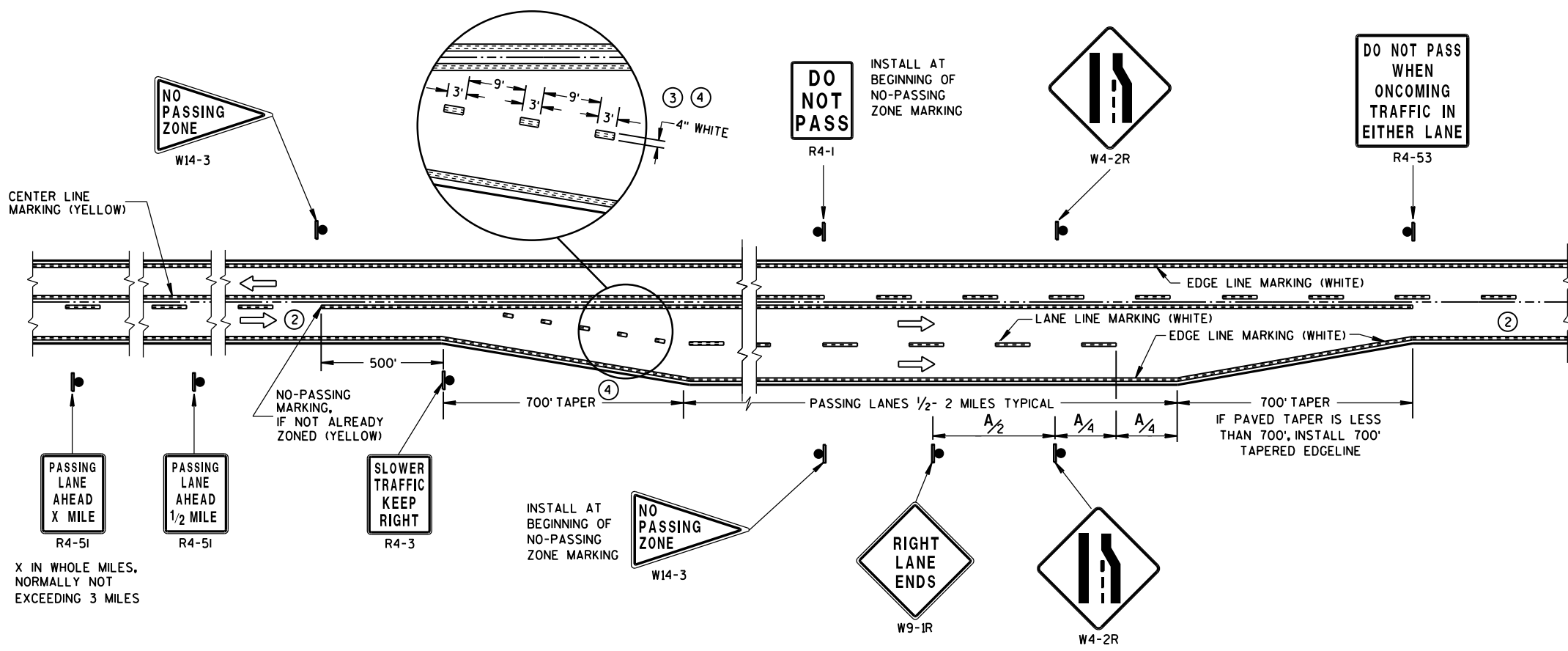
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950



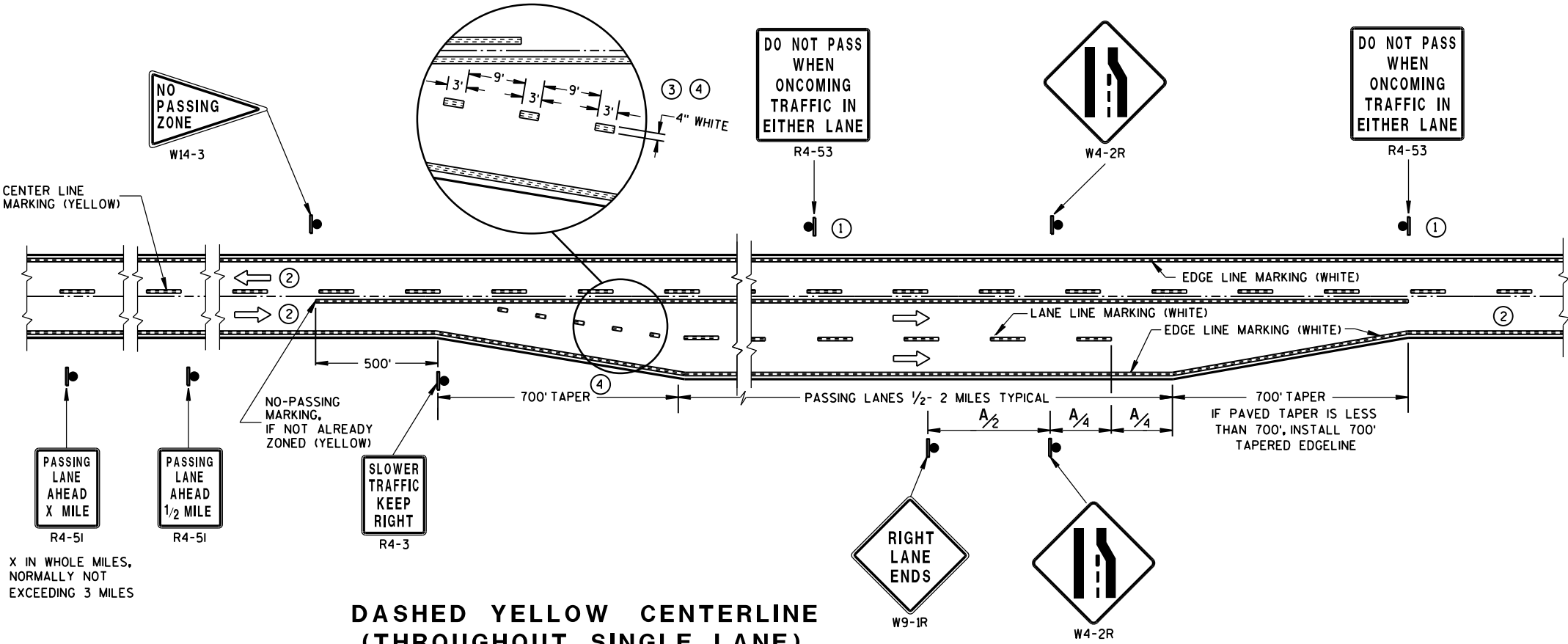
**PARTIAL DOUBLE-YELLOW LINE
(BEGINNING OF SINGLE LANE)**

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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



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

GENERAL NOTES

- ① SIGN SHALL BE REPEATED AT 1/2 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.

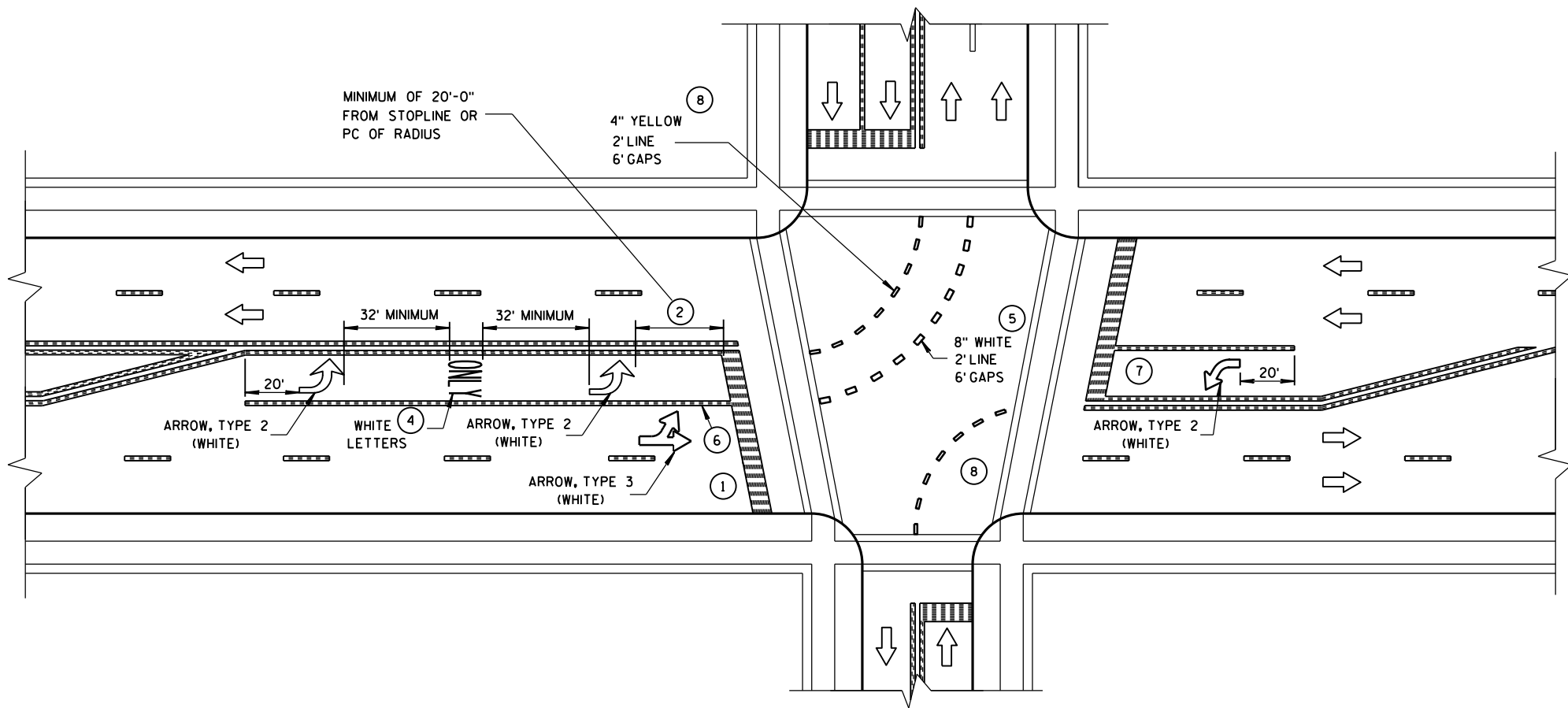
ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950

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

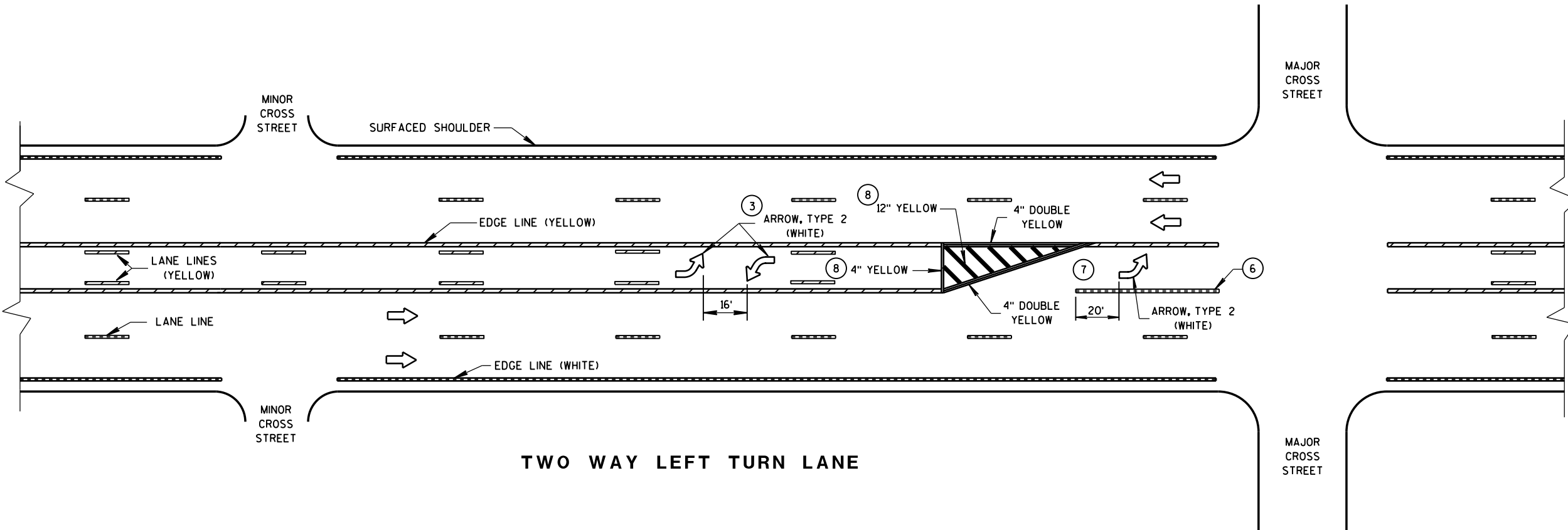
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

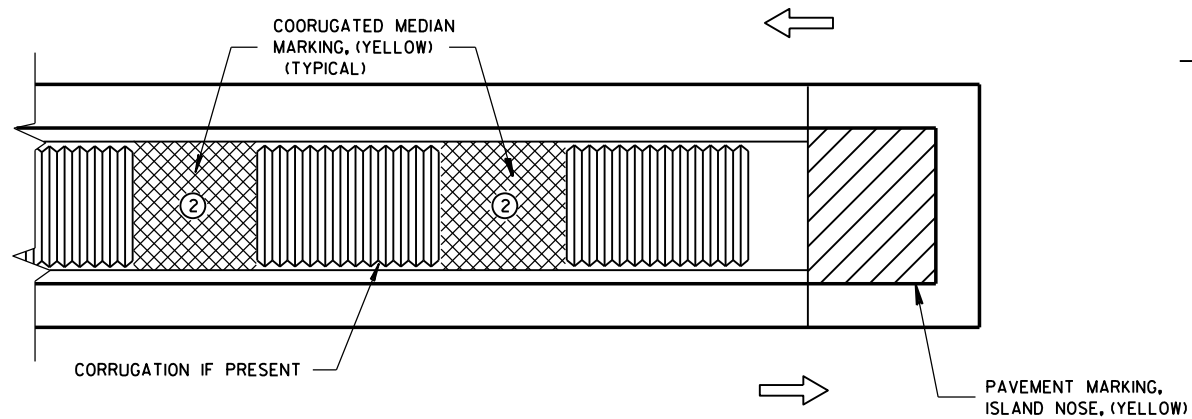
- 1 STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
- 2 DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
- 3 A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- 4 ADD EXTRA SETS OF ONE ARROW AND ONE ONLY PER 160 FEET OR WHEN ON A CURVE.
- 5 8" WHITE WITH 2' LINE 6' GAPS FOR DUAL TURN LANE.
- 6 8" WHITE
- 7 ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108 FEET.
- 8 REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:
ARROW SYMBOL (➡)
SHOWS DIRECTION OF TRAVEL

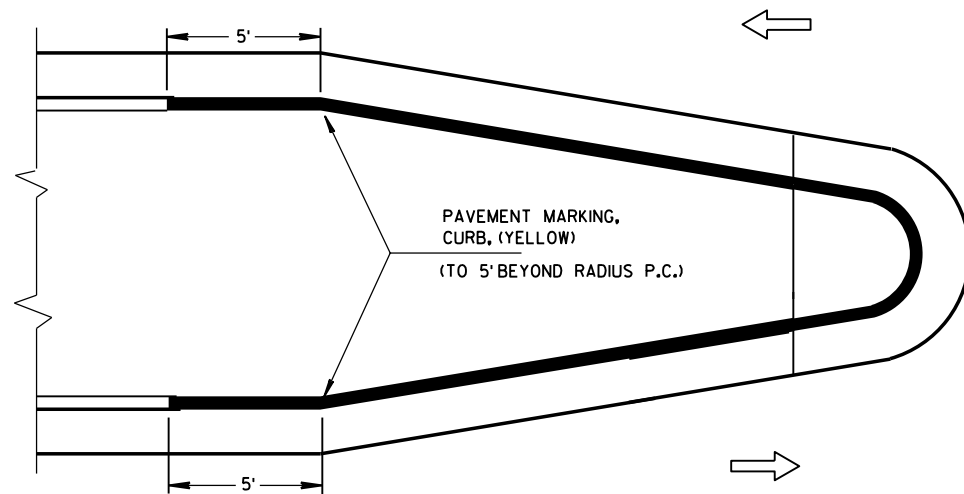


PAVEMENT MARKING
(LEFT TURN LANE)

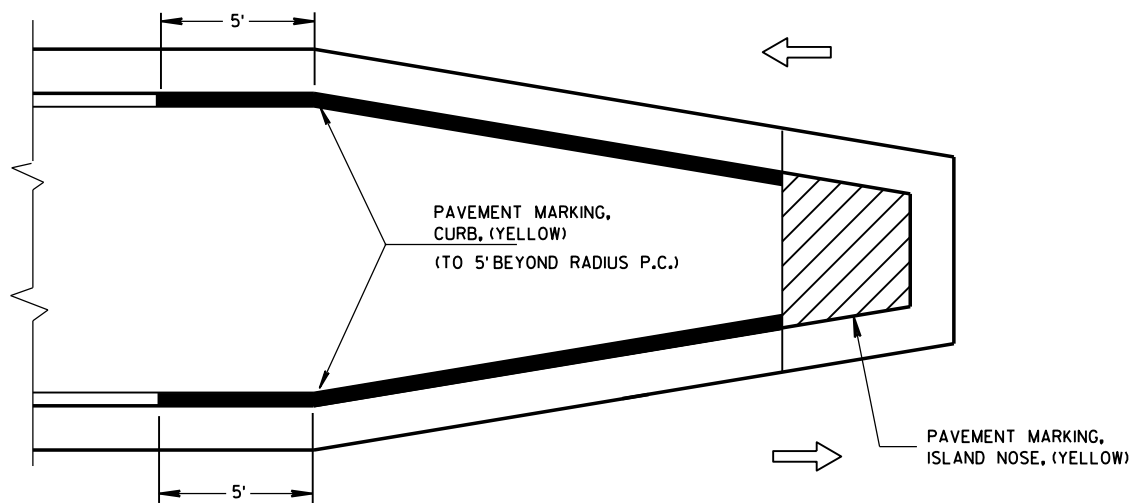
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

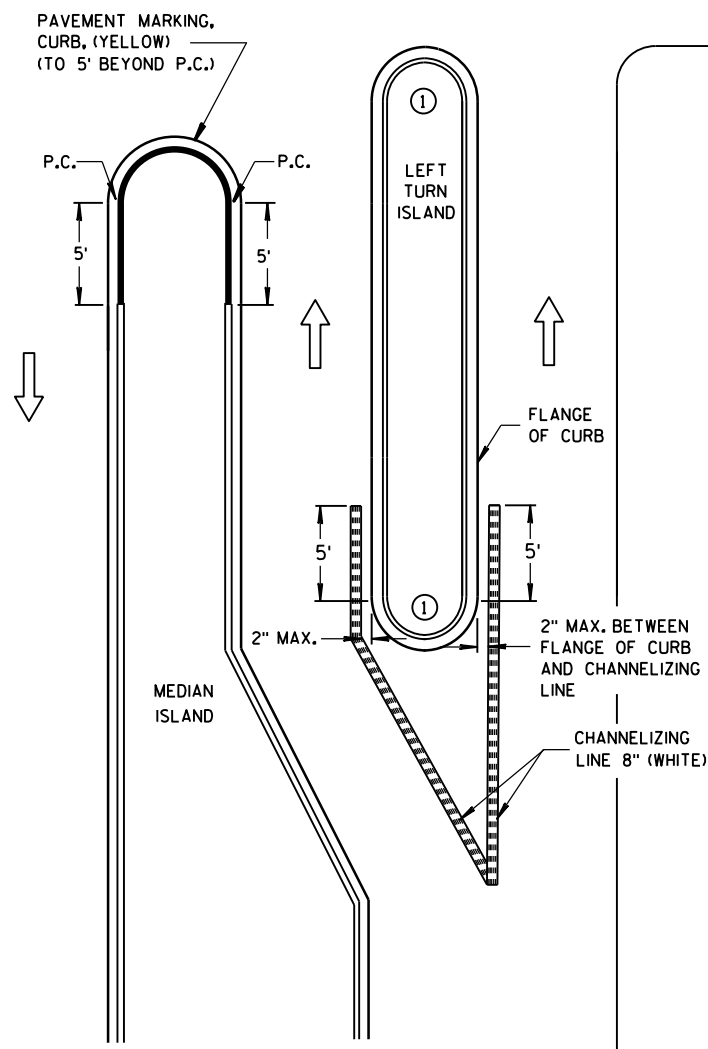


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

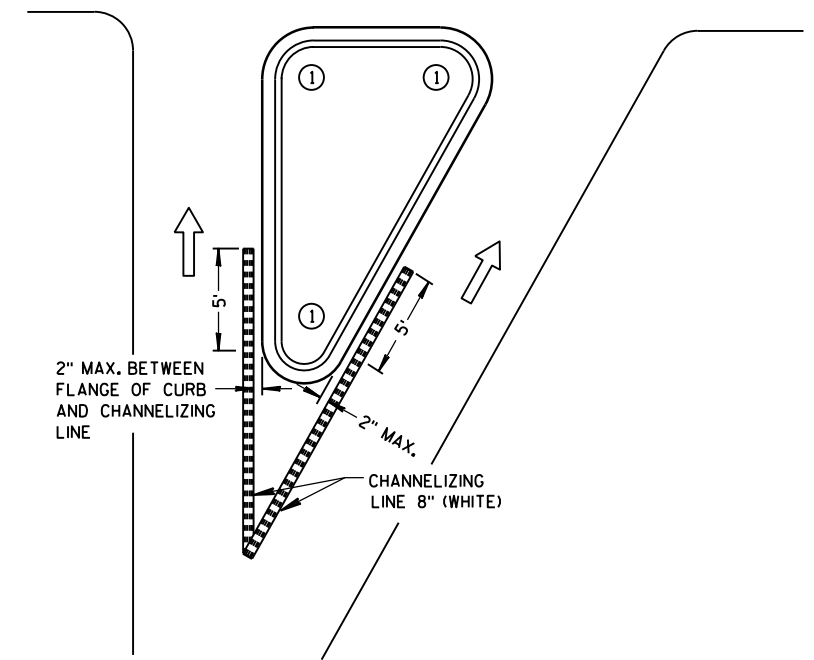
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

- 1 DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
- 2 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 AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING (ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

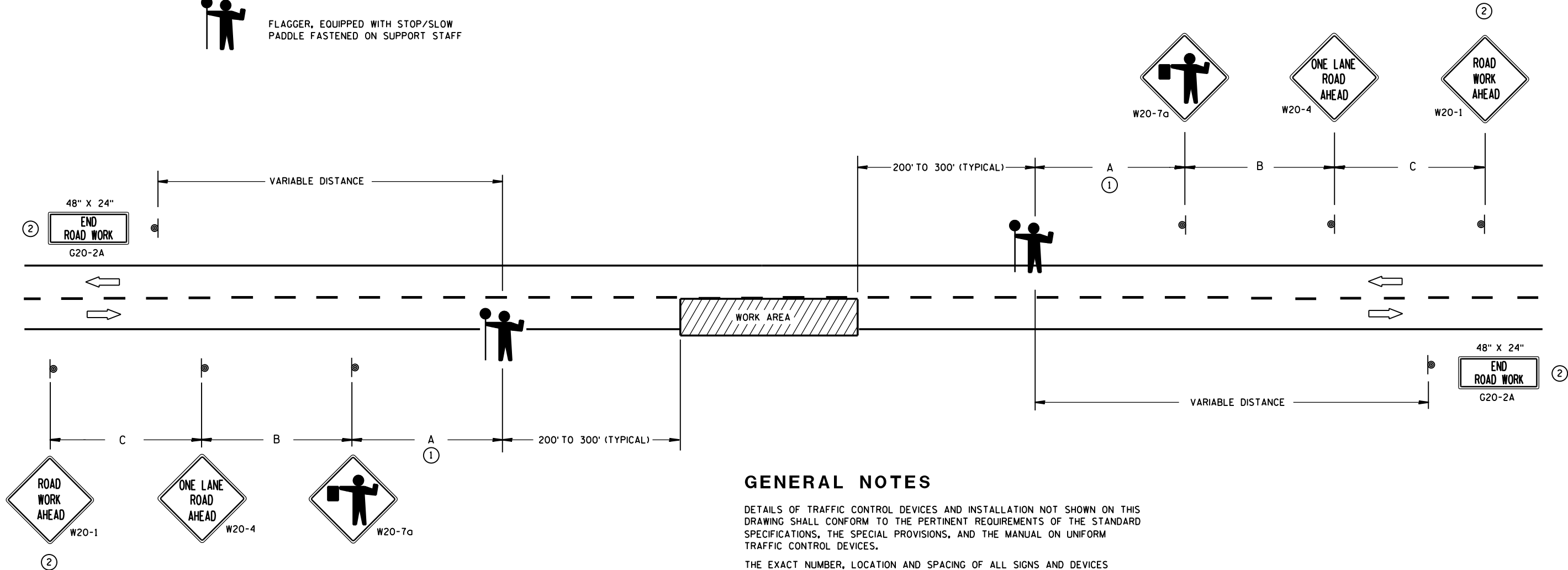
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



- ① FOR A MOVING WORK OPERATION, SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT 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.

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.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE 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.

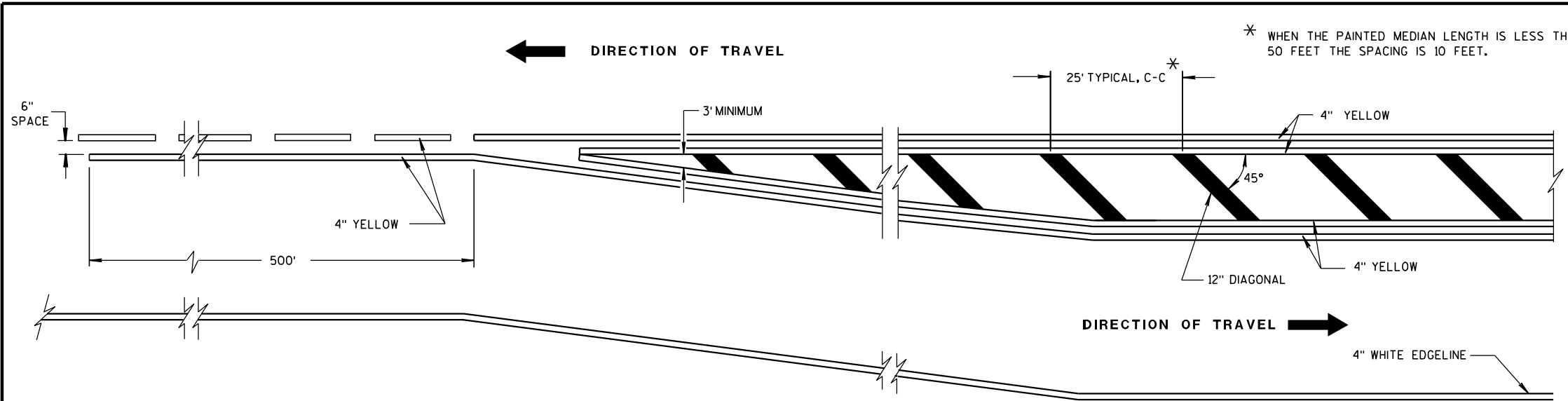
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

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

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

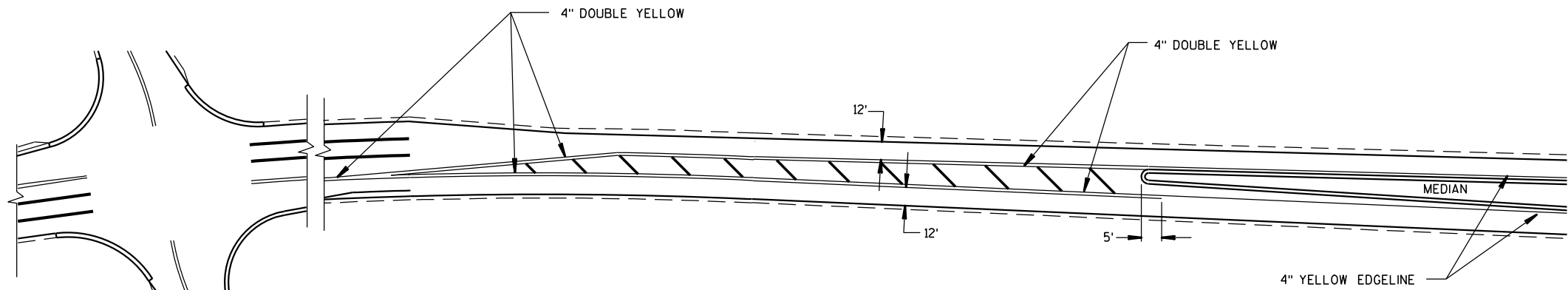
APPROVED
8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



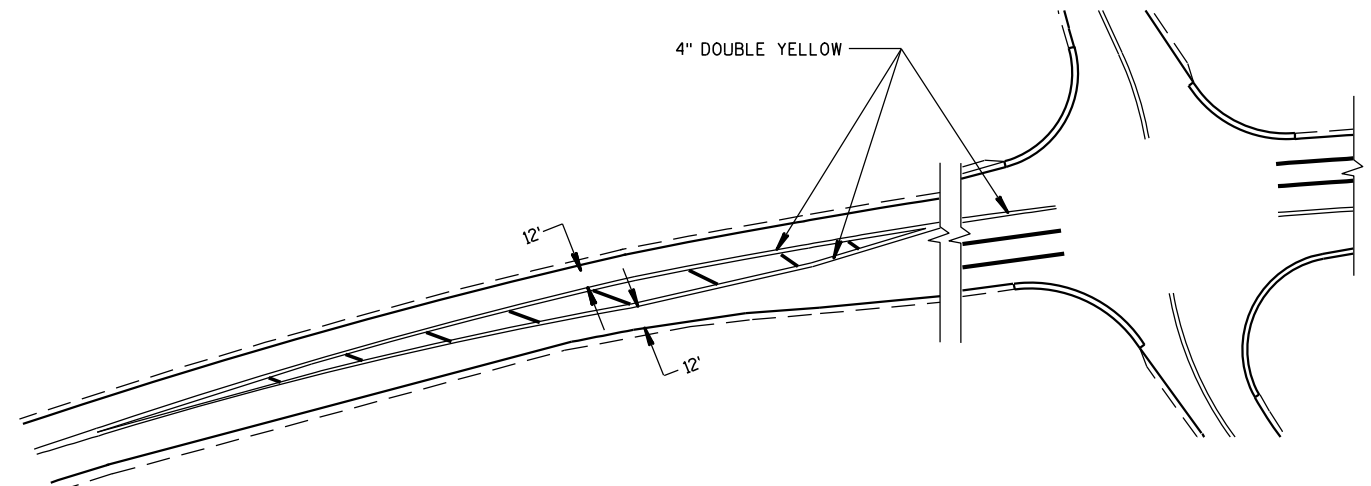
MEDIAN ISLAND DETAIL

GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

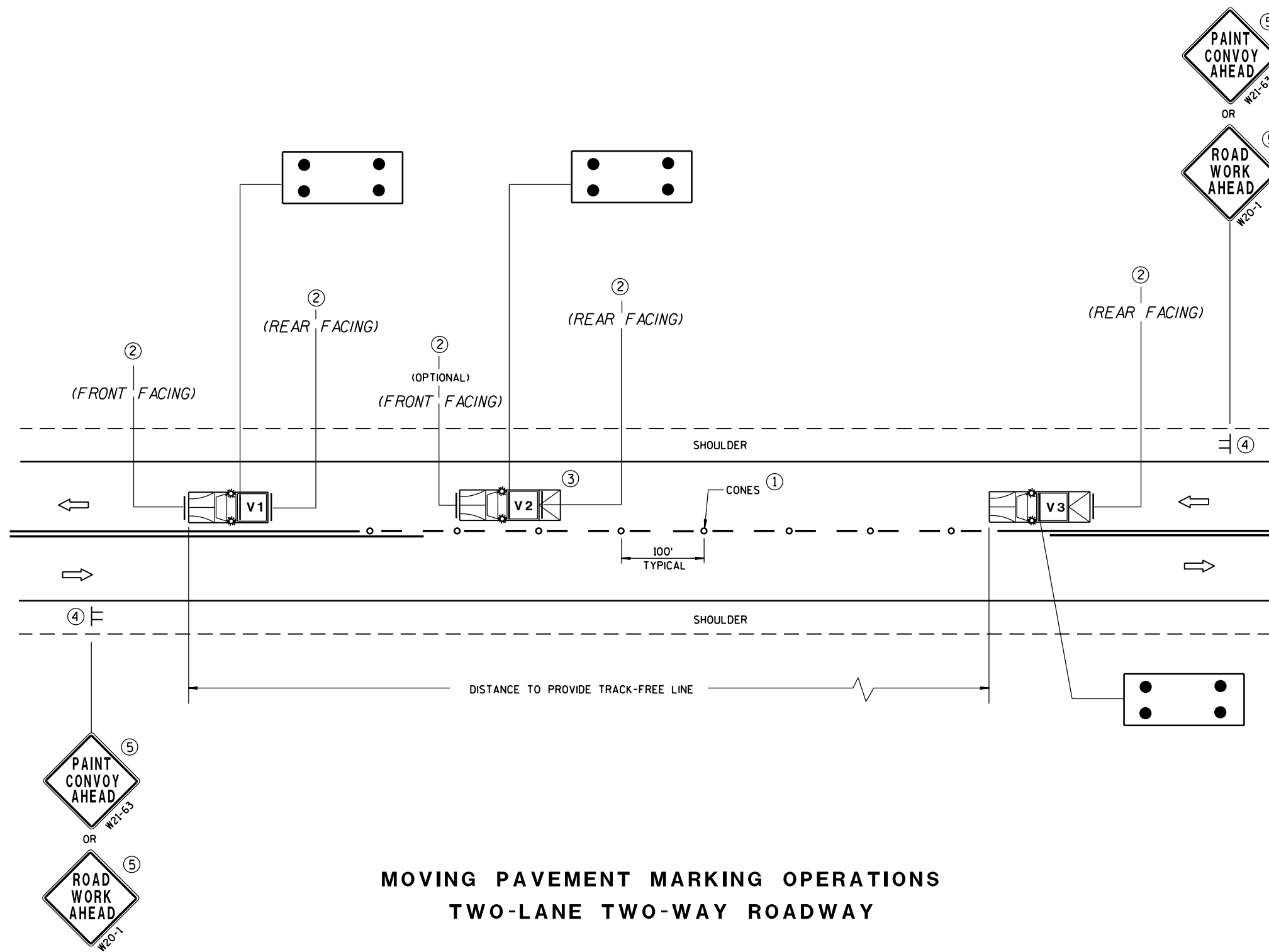


APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 2-5-09 DATE	/S/ Thomas N. Notbohm STATE TRAFFIC ENGINEER OF DESIGN
FHWA	



MOVING PAVEMENT MARKING OPERATIONS TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

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

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

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

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.



ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

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

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

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGE LINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.


- ① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- ② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.
 OR 
W21-64 W21-64
- ③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.
- ④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
- ⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1 LEAD VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE WITH TMA

 **TMA** TRUCK-MOUNTED ATTENUATOR

 SIGN ON TEMPORARY SUPPORT

 DIRECTION OF TRAFFIC

 CONES

 FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

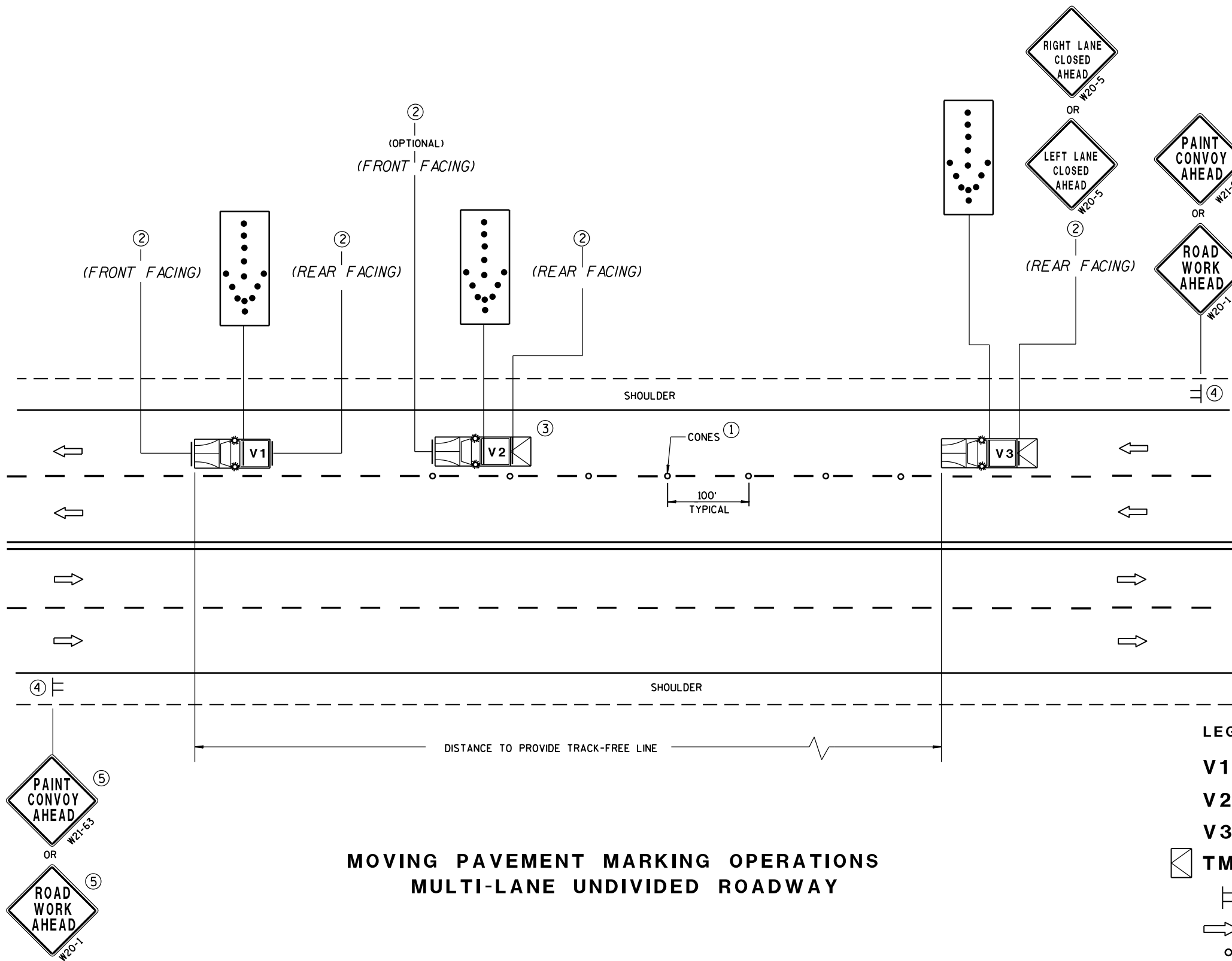
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/3/2013
DATE

FHWA

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

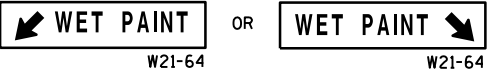


MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE UNDIVIDED ROADWAY

GENERAL NOTES

- ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.
- ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.
- IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.
- ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.
- DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.
- WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.
- USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.
- FOR EDGELINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH.
- WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.
- THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE OR LANELINE MARKING FOR MULTILANE UNDIVIDED ROADWAYS.

- ① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- ② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.
- ③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.
- ④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
- ⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.



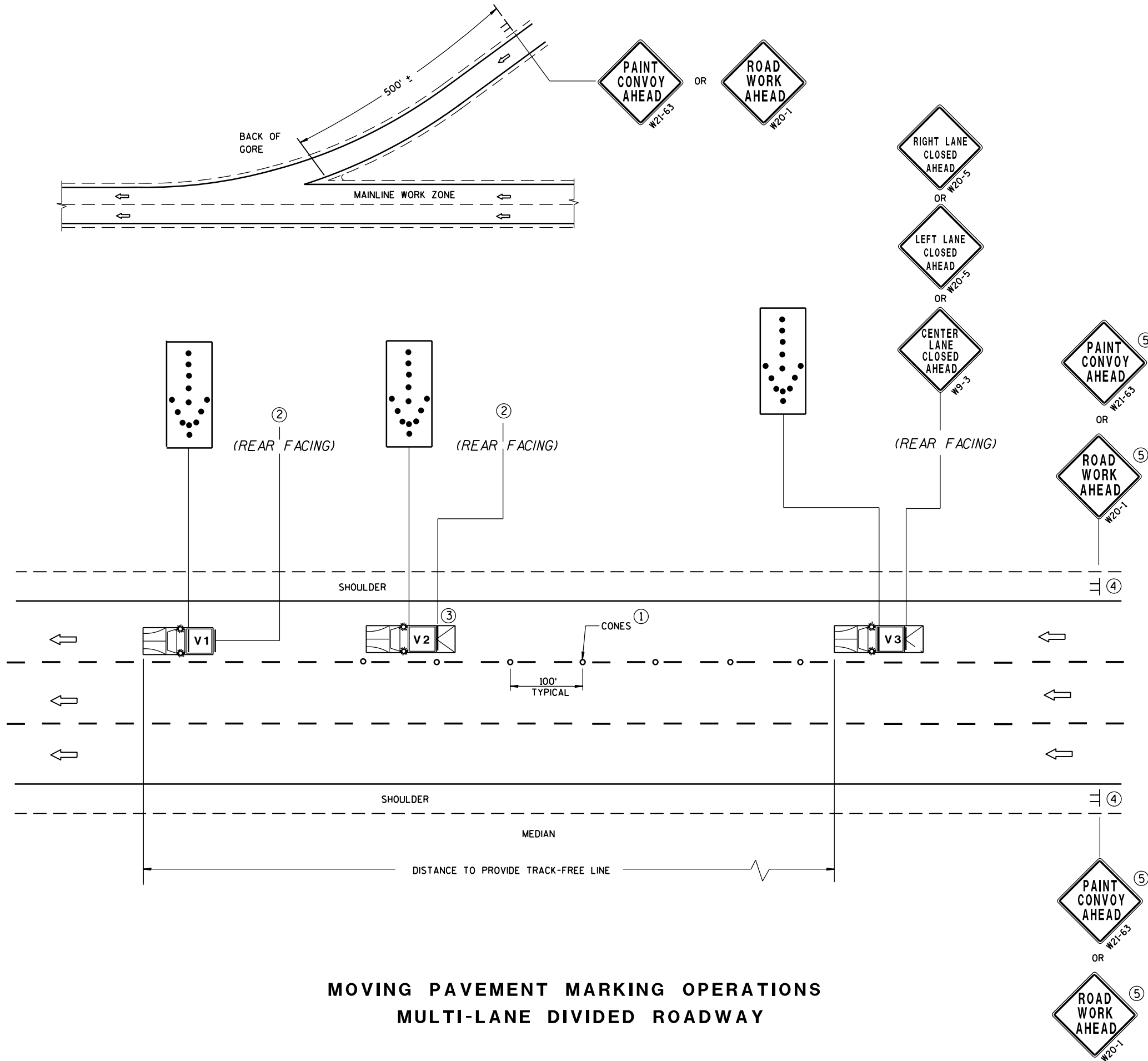
LEGEND

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

MOVING PAVEMENT MARKING
OPERATION
MULTI-LANE UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/3/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER
FHWA



GENERAL NOTES

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

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

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

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

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

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

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

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

FOR EDGE LINE MARKING OR IF CONES ARE NOT USED, POSITION THE REARMOST SHADOW VEHICLE ON THE SHOULDER AS SHOWN IN THE MUTCD IF THE SHOULDER HAS ADEQUATE WIDTH. USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

THIS DRAWING SHALL BE USED FOR EDGE LINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

- ① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- ② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.
- ③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.
- ④ SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.
- ⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

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

MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 5/3/2013 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER
FHWA	

GENERAL NOTES

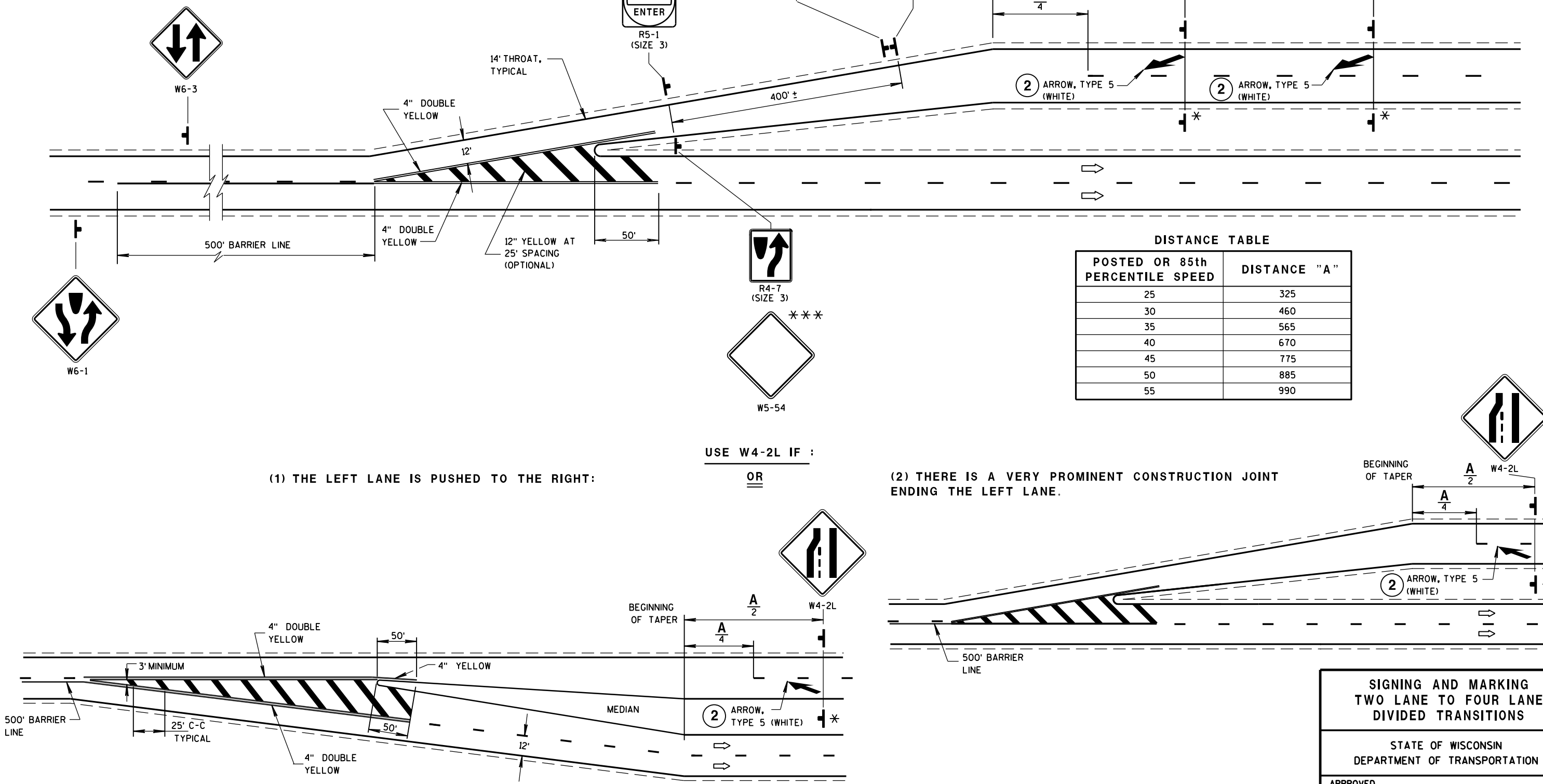
SIGNING AND MARKING IS SHOWN AS TYPICAL PLACEMENT. FIELD CONDITIONS MAY DICTATE CHANGES IN SIGNING AND MARKING PLACEMENT.

A DISTANCE DEPENDENT ON SPEED (SEE TABLE)

- 1 WRONG WAY PREVENTION SIGNS ARE DISCUSSED IN T G M 2-15-12
- 2 REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT

SYMBOLS

- * OPTIONAL SIGNS
- ** SIGNS MAY BE OMITTED IF SPACE DOES NOT PERMIT
- *** IF POSTED SPEED 45 MPH OR GREATER, PLACE W5-54 SIGN UNDER R4-7 SIGN. MOUNT W5-54 SIGN AT 4' MOUNTING HEIGHT (TOP OF ROADWAY TO BOTTOM OF SIGN)
- POST MOUNTED SIGN
- DIRECTION OF TRAFFIC FLOW



(1) THE LEFT LANE IS PUSHED TO THE RIGHT:

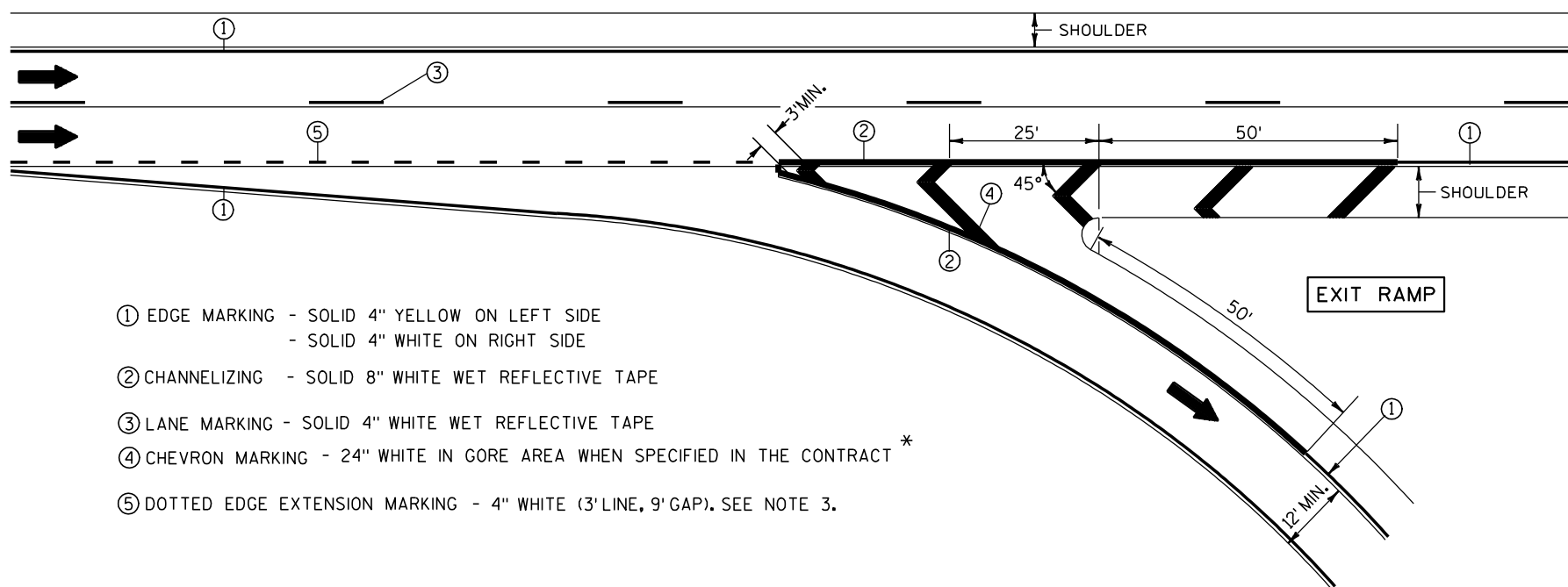
USE W4-2L IF :
OR

(2) THERE IS A VERY PROMINENT CONSTRUCTION JOINT
ENDING THE LEFT LANE.

SIGNING AND MARKING
TWO LANE TO FOUR LANE
DIVIDED TRANSITIONS

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5/3/2013 DATE /S/ Travis Feltes
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FHWA

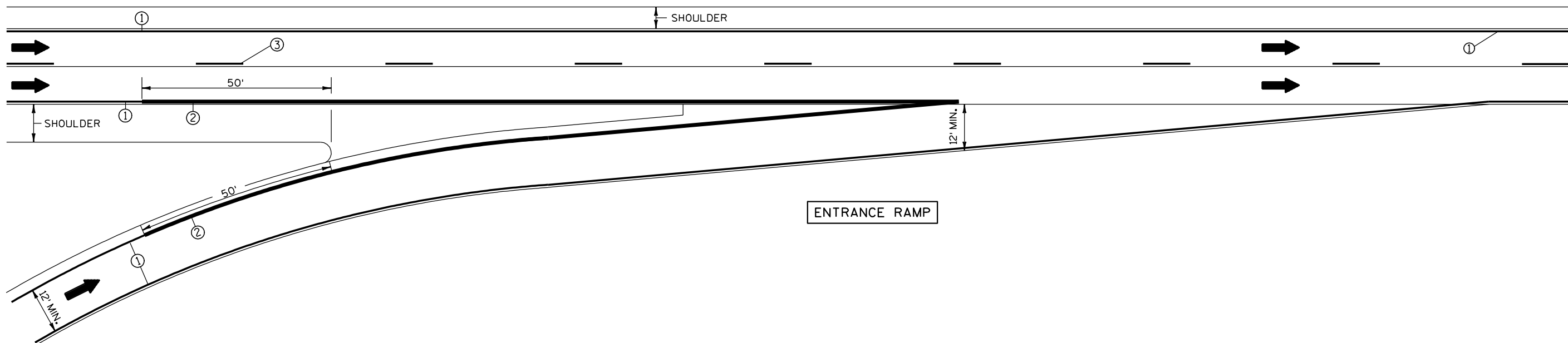


- ① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE
- ② CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE
- ③ LANE MARKING - SOLID 4" WHITE WET REFLECTIVE TAPE
- ④ CHEVRON MARKING - 24" WHITE IN GORE AREA WHEN SPECIFIED IN THE CONTRACT *
- ⑤ DOTTED EDGE EXTENSION MARKING - 4" WHITE (3' LINE, 9' GAP). SEE NOTE 3.

NOTES:

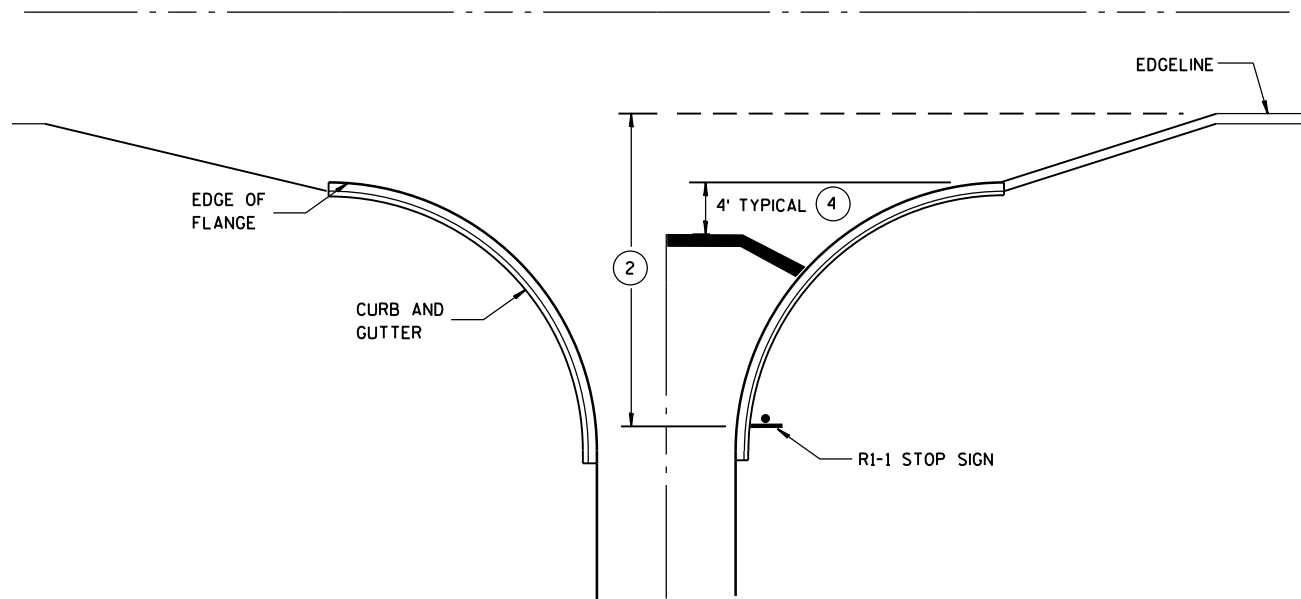
- 1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
- 2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.
- 3. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- 4. RETRACE EXISTING DIAGONAL MARKINGS.

* REFER TO DESIGN NOTES.

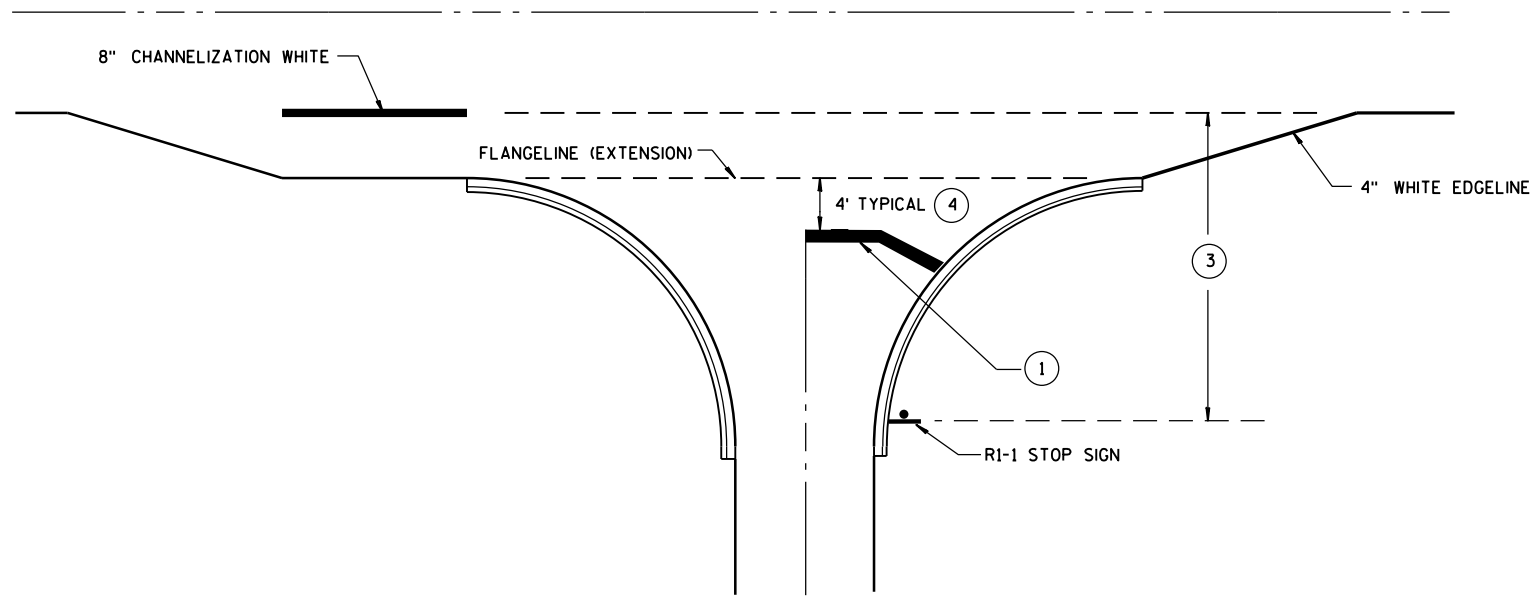


PAVEMENT MARKING
(RAMPS AND GORES)

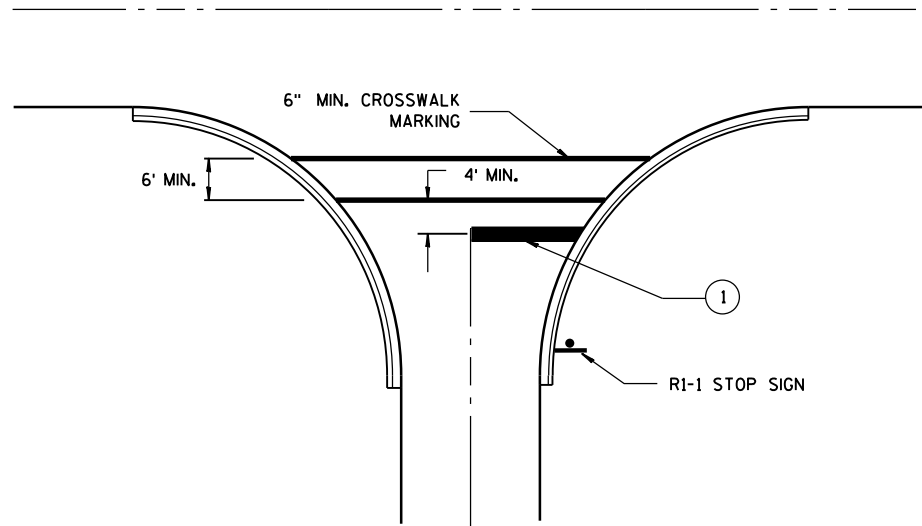
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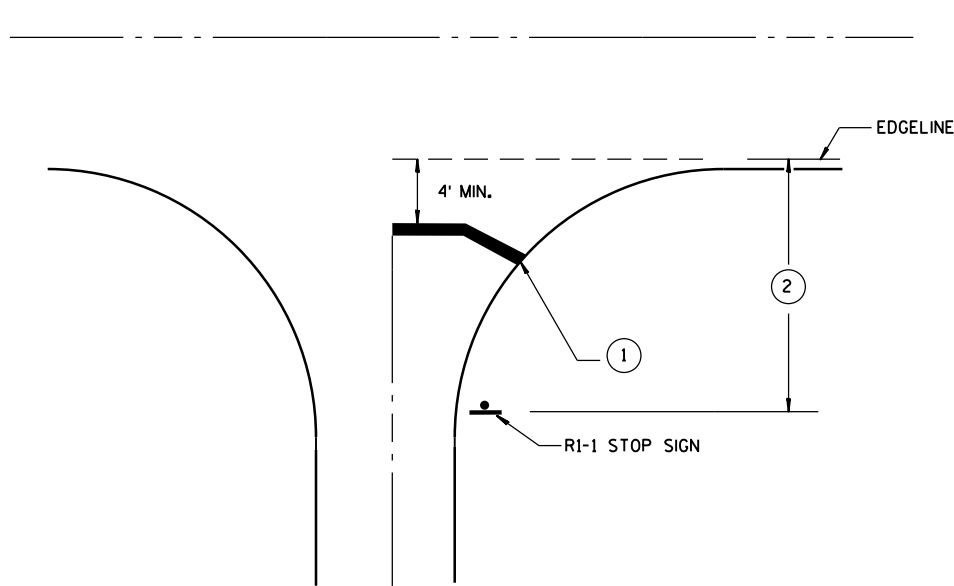
TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING
FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL 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 EDGE LINE 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.
- ④ 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 DATE /S/ Travis Feltz
STATE TRAFFIC ENGINEER
FHWA

Notes



Wisconsin Department of Transportation

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