

LAX
PROJECT ID: 1009-11-90
WITH:

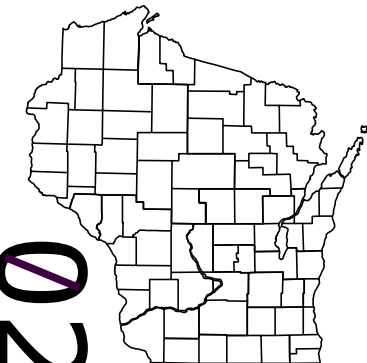
COUNTY: VARIOUS COUNTIES
SOUTHWEST REGION

APRIL 2014

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 = 18



DESIGN DESIGNATION

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

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
PROPERTY LINE
LOT LINE
LIMITED HIGHWAY EASEMENT
EXISTING RIGHT OF WAY
PROPOSED OR NEW R/W LINE

SLOPE INTERCEPT

REFERENCE LINE

- EXISTING CULVERT
PROPOSED CULVERT
(Box or Pipe)

COMBUSTIBLE FLUIDS

MARSH AREA

WOODED OR SHRUB AREA

PROFILE

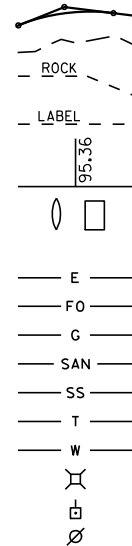
- GRADE LINE
ORIGINAL GROUND
MARSH OR ROCK PROFILE
(To be noted as such)
SPECIAL DITCH

GRADE ELEVATION

CULVERT (Profile View)

UTILITIES

- ELECTRIC
FIBER OPTIC
GAS
SANITARY SEWER
STORM SEWER
TELEPHONE
WATER
UTILITY PEDESTAL
POWER POLE
TELEPHONE POLE



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
SW REGION PVMT MARKING EASTERN CTYS
STN LOCATIONS PER ANNUAL PLAN
VAR HWY
SW REGION WIDE

STATE PROJECT NUMBER
1009-11-90

USH 18/151 EB & WB (MAINLINE & RAMPS)
EXIT 47 USH 18 - DANE COUNTY LINE

USH 151 NB & SB (MAINLINE & RAMPS)
EXIT 21 CTH XX - CTH Z (DODGEVILLE)

IH 39/90 NB & SB (MAINLINE & RAMPS)
MILE MARKER 143.0 - 2900' SOUTH OF STH 59 BRIDGE

USH 151 NB & SB (MAINLINE & RAMPS)
750' NORTH OF EXIT 132 STH 33 - FOND DU LAC COUNTY LINE

IH 94 EB & WB (MAINLINE & RAMPS)
2300' EAST OF EXIT 259 STH 89 - WAUKESHA COUNTY LINE

STH 26 NB & SB (MAINLINE & RAMPS)
1250' SOUTH OF MILE MARKER 18 - RIVER ROAD (JOHNSON CREEK)

LAYOUT
SCALE 0 MI.

TOTAL NET LENGTH OF CENTERLINE = MI.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-11-90	WISC 2014095	1

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: 11-26-2013 (Signature)

E

DATE 03FEB14			E S T I M A T E O F Q U A N T I T I E S		
LINE			1009-11-90		
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	619.1000	MOBILIZATION	EACH	1.000	1.000
0020	643.0100	TRAFFIC CONTROL (PROJECT) 01. 1009-11-90	EACH	1.000	1.000
0030	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	2,531,756.000	2,531,756.000
0040	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	107,794.000	107,794.000
0050	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	78.000	78.000
0060	647.0803	PAVEMENT MARKING AERIAL ENFORCEMENT BARS EPOXY 24-INCH	LF	840.000	840.000

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			646.0106			646.0126		
Iowa & Lafayette 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 (MAINLINE) WHITE L.F.	8-INCH CHANNELIZING (RAMP) WHITE L.F.	8-INCH CHANNELIZING (ISLAND GORE) WHITE L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)						
USH 18 EB	Iowa County							
	CTH Y/YZ	Dane Co Line	61338	6789	60986	1784		
	Exit 58 at CTH ID (Barneveld)	OFF Ramp				367	765	
USH 18 WB	Exit 58 at CTH ID (Barneveld)	ON Ramp				765	763	
	Dane Co Line	Exit 47 USH 151	71202	17640	70849	2165		
	Exit 58 at CTH ID (Barneveld)	OFF Ramp				330	327	113
USH 151 NB	Exit 58 at CTH ID (Barneveld)	ON Ramp				668	668	
	Iowa & Lafayette Counties							
	340' south of Lafayette Co sign (Platteville)	CTH Z east of Exit 47 at USH 18 (Dodgeville)	133134	29157	130364	8110		
USH 151 SB	Exit 26 at STH 126 (Belmont)	OFF Ramp	1161		1719	389	388	
	Exit 26 at STH 126 (Belmont)	ON Ramp	811		2107	725	722	
	Exit 37 at CTH O (Mineral Point)	OFF Ramp				354	357	
	Exit 37 at CTH O (Mineral Point)	ON Ramp				850	842	46
	Exit 40 at STH 39 (Mineral Point)	OFF Ramp				389	390	
	Exit 40 at STH 39 (Mineral Point)	ON Ramp				765	759	
	Exit 44 at STH 23 (Dodgeville)	OFF Ramp				200	200	
	Exit 44 at STH 23 (Dodgeville)	ON Ramp				750	750	
	Exit 47 at USH 18 (Dodgeville)	OFF Ramp				285	285	
	Exit 47 at USH 18 (Dodgeville)	ON Ramp				815	815	
	CTH Z east of Exit 47 at USH 18 (Dodgeville)	550' north of Exit 21 OFF Ramp at CTH XX (Platteville)	137755	35015	128377	8110		
	Exit 47 at USH 18 (Dodgeville)	OFF Ramp				750	750	
	Exit 47 at USH 18 (Dodgeville)	ON Ramp				685	685	
	Exit 44 at STH 23 (Dodgeville)	OFF Ramp				285	285	
	Exit 44 at STH 23 (Dodgeville)	ON Ramp				685	685	
	Exit 40 at STH 39 (Mineral Point)	OFF Ramp				399	338	
	Exit 40 at STH 39 (Mineral Point)	ON Ramp				874	874	
	Exit 37 at CTH O (Mineral Point)	OFF Ramp				379	378	
	Exit 37 at CTH O (Mineral Point)	ON Ramp				833	795	
	Exit 26 at STH 126 (Belmont)	OFF Ramp	1123		1676	382	383	
	Exit 26 at STH 126 (Belmont)	ON Ramp	779		2208	740	742	
Sub Totals			407303	88601	398286	33833	13946	159

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			646.0106			646.0126	
Dodge County			4-INCH EDGE LINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	4-INCH EDGE LINE WHITE L.F.	8-INCH CHANNELIZING (MAINLINE) WHITE L.F.	8-INCH CHANNELIZING (RAMP) WHITE L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)					
USH 151 SB	Dodge County						
	Fond du Lac Co Line (STH 49) northside of bridge deck	750' north of Exit 132 at STH 33 (Beaver Dam)	67809	16952	59900	4301	
	Exit 146 at STH 49 (Waupun)	OFF Ramp				250	250
	Exit 146 at STH 49 (Waupun)	ON Ramp				250	185
	Exit 144 at STH 26	OFF Ramp				367	367
	Exit 144 at STH 26	ON Ramp				789	788
	Exit 142 at CTH M (Business 151)	ON Ramp				740	740
	Exit 136 at CTH A	OFF Ramp				347	347
	Exit 136 at CTH A	ON Ramp				670	670
	Exit 135 at CTH B (Beaver Dam)	OFF Ramp				345	345
	Exit 135 at CTH B (Beaver Dam)	ON Ramp				380	380
	Exit 134 at Industrial Dr (Beaver Dam)	ON Ramp				697	697
USH 151 NB	750' north of Exit 132 at STH 33	Fond du Lac Co Line (STH 49) northside of bridge deck	67360	16840	60422	4578	
	Exit 134 at Industrial Dr (Beaver Dam)	OFF Ramp				354	354
	Exit 135 at CTH B (Beaver Dam)	OFF Ramp				361	361
	Exit 135 at CTH B (Beaver Dam)	ON Ramp				685	685
	Exit 136 at CTH A	OFF Ramp				378	378
	Exit 136 at CTH A	ON Ramp				790	790
	Exit 142 at CTH M (Business 151)	OFF Ramp				339	339
	Exit 144 at STH 26	OFF Ramp				334	337
	Exit 144 at STH 26	ON Ramp				831	770
	Exit 146 at STH 49 (Waupun)	OFF Ramp				175	175
	Exit 146 at STH 49 (Waupun)	ON Ramp				250	250
Sub Totals			135169	33792	120322	18211	9208

PAVEMENT MARKING EPOXY (DIVIDED HIGHWAYS)			646.0106			646.0126		
Jefferson County			4-INCH EDGE LINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	4-INCH EDGE LINE WHITE L.F.	8-INCH CHANNELIZING (MAINLINE) WHITE L.F.	8-INCH CHANNELIZING (RAMP) WHITE L.F.	8-INCH CHANNELIZING (ISLAND GORE) WHITE L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)						
STH 26 NB	Jefferson County							
	1250' south of MM 18 (Fort Atkinson)	River Rd (Johnson Creek)	90399	22600	78881			
	Exit 19 at STH 106 (Fort Atkinson)	OFF Ramp				505	315	
	Exit 19 at STH 106 (Fort Atkinson)	ON Ramp				888	868	
	Exit 21 at USH 12 (Fort Atkinson)	OFF Ramp				214	214	
	Exit 21 at USH 12 (Fort Atkinson)	ON Ramp				749	729	
	Exit 23 at Business 26 (Fort Atkinson)	OFF Ramp				253	253	
	Exit 23 at Business 26 (Fort Atkinson)	ON Ramp				619	553	
	Exit 25 at Business 26/ TO STH 89 (Jefferson)	OFF Ramp				377	277	80
	Exit 25 at Business 26/ TO STH 89 (Jefferson)	ON Ramp				432	382	
	Exit 27 at USH 18 (Jefferson)	OFF Ramp				408	373	102
	Exit 27 at USH 18 (Jefferson)	ON Ramp				348	198	
	Exit 30 at Business 26 (Jefferson)	OFF Ramp				350	251	
	Exit 30 at Business 26 (Jefferson)	ON Ramp				340	288	
STH 26 SB	River Rd (Johnson Creek)	1250' south of MM 18 (Fort Atkinson)	90451	22630	78801			
	Exit 30 at Business 26 (Jefferson)	OFF Ramp				402	311	150
	Exit 30 at Business 26 (Jefferson)	ON Ramp				531	469	
	Exit 27 at USH 18 (Jefferson)	OFF Ramp				425	275	225
	Exit 27 at USH 18 (Jefferson)	ON Ramp				494	424	
	Exit 25 at Business 26/ TO STH 89 (Jefferson)	OFF Ramp				374	259	90
	Exit 25 at Business 26/ TO STH 89 (Jefferson)	ON Ramp				520	455	
	Exit 23 at Business 26 (Fort Atkinson)	OFF Ramp				386	386	81
	Exit 23 at Business 26 (Fort Atkinson)	ON Ramp				401	341	70
	Exit 21 at USH 12 (Fort Atkinson)	OFF Ramp				244	244	
	Exit 21 at USH 12 (Fort Atkinson)	ON Ramp				629	609	
	Exit 19 at STH 106 (Fort Atkinson)	OFF Ramp				323	323	
	Exit 19 at STH 106 (Fort Atkinson)	ON Ramp				725	705	
Sub Totals			180850	45230	157682	10937	9502	798

PAVEMENT MARKING EPOXY (INTERSTATE HIGHWAYS)

Rock, Dane & Jefferson Counties

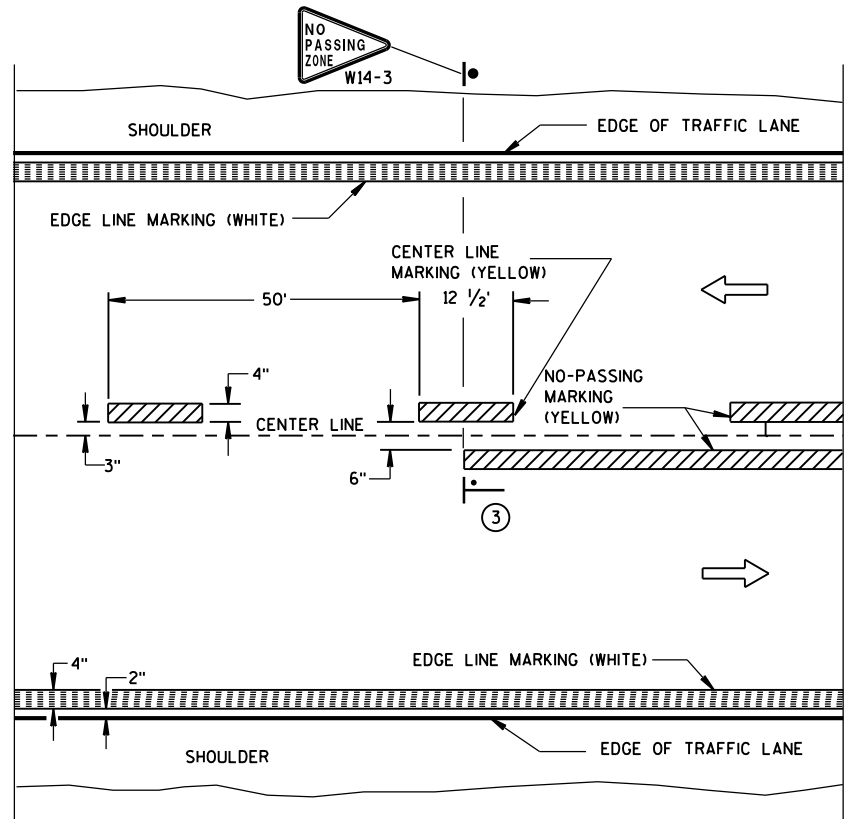
			646.0106			646.0126		
			4-INCH EDGE LINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	4-INCH EDGE LINE WHITE L.F.	8-INCH CHANNELIZING (MAINLINE) WHITE L.F.	8-INCH CHANNELIZING (RAMP) WHITE L.F.	8-INCH CHANNELIZING (ISLAND GORE) WHITE L.F.
HIGHWAY	LOCATION (From)	LOCATION (To)						
IH 39-90 NB	Rock & Dane Counties							
	2900' south of STH 59 (Bridge)	MM 143 (Madison)	129576	26794	122469			
	Exit 163 at STH 59 (Newville)	OFF Ramp				200	200	75
	Exit 163 at STH 59 (Newville)	ON Ramp				374	374	
	Exit 160 at USH 51-STH 73/106 (Edgerton)	OFF Ramp				195	195	
	Exit 160 at USH 51-STH 73/106 (Edgerton)	ON Ramp				419	419	
	Exit 156 at USH 51 (Stoughton)	OFF Ramp						
	Exit 156 at USH 51 (Stoughton)	ON Ramp						
	Exit 147 at CTH N	OFF Ramp	875		1650	200	200	
	Exit 147 at CTH N	ON Ramp	1050		2150	400	400	
IH 39-90 SB	MM 143 (Madison)	2900' south of STH 59 (Bridge)	129165	26691	123892			
	Exit 147 at CTH N	OFF Ramp	875		1650	200	200	
	Exit 147 at CTH N	ON Ramp	1050		1985	400	400	
	Exit 156 at USH 51 (Stoughton)	OFF Ramp						
	Exit 156 at USH 51 (Stoughton)	ON Ramp						
	Exit 160 at USH 51-STH 73/106 (Edgerton)	OFF Ramp				160	160	
	Exit 160 at USH 51-STH 73/106 (Edgerton)	ON Ramp				294	294	
	Exit 163 at STH 59 (Newville)	OFF Ramp				190	190	75
	Exit 163 at STH 59 (Newville)	ON Ramp				372	372	
IH 94 EB	Jefferson County							
	2300' east of Exit 259 at STH 89 (Lake Mills)	Waukesha Co Line (Lanelines are between STH 89 & STH 26)	98525	9938	89175			
	Exit 267 at STH 26 (Johnson Creek)	OFF Ramp				380	380	
	Exit 267 at STH 26 (Johnson Creek)	ON Ramp				723	723	
	Exit 275 at CTH F (Ixonia)	OFF Ramp						
	Exit 275 at CTH F (Ixonia)	ON Ramp						
IH 94 WB	Exit 277 at Willow Glen Rd	OFF Ramp						
	Waukesha Co Line (Lanelines are between STH 89 & STH 26)	2300' east of Exit 259 at STH 89 (Lake Mills)	98513	9925	88573			
	Exit 277 at Willow Glen Rd	ON Ramp						
	Exit 275 at CTH F (Ixonia)	OFF Ramp						
	Exit 275 at CTH F (Ixonia)	ON Ramp						
	Exit 267 at STH 26 (Johnson Creek)	OFF Ramp				368	368	
Sub Totals			459629	73348	431544	5525	5525	150

PAVEMENT MARKING EPOXY (SPECIAL MARKINGS)				
Green, Jefferson, Sauk & Rock Counties			647.0566 18-INCH STOP LINE WHITE L.F.	647.0803 AERIAL ENFORCEMENT BARS 24-INCH WHITE L.F.
HIGHWAY	LOCATION (AT)	LOCATION		
STH 26 NB	Jefferson County			
	Exit 23 at Business 26 (Fort Atkinson)	OFF Ramp	18	
	Exit 27 at USH 18 (Jefferson)	OFF Ramp	30	
STH 26 SB	Exit 27 at USH 18 (Jefferson)	OFF Ramp	30	
STH 11 WB	Green County			
	CTH KK (West of the intersection)	East of Monroe		60
	STH 59 (East of the STH 59 overpass)	East of Monroe		60
IH 39/90 SB	Rock County			
	Mile Marker 176.0 - 176.5 (North of STH 11 WB)	South of Janesville		60
	Mile Marker 182.0 - 182.5 (North of CTH S)	North of Beloit		60
	Mile Marker 3.5 - 4.0	East of Beloit		60
	Mile Marker 3.5 - 4.0	East of Beloit		60
IH 90 EB	Sauk County			
	Mile Marker 88.5 - 89.0	West of STH 23		60
	Mile Marker 88.5 - 89.0	West of STH 23		60
	Mile Marker 101.0 - 101.5 (East of USH 12)	East of Lake Delton		60
	Mile Marker 101.0 - 101.5 (East of USH 12)	East of Lake Delton		60
USH 12 EB	Mile Marker 213.75 - 214.25 (East of CTH BD)	East of Lake Delton		60
USH 12 WB	Mile Marker 213.75 - 214.25 (East of CTH BD)	East of Lake Delton		60
USH 12 EB	Kings Corner Road (East of the intersection)	West of Sauk City		60
USH 12 WB	Kings Corner Road (East of the intersection)	West of Sauk City		60
Totals			78	840

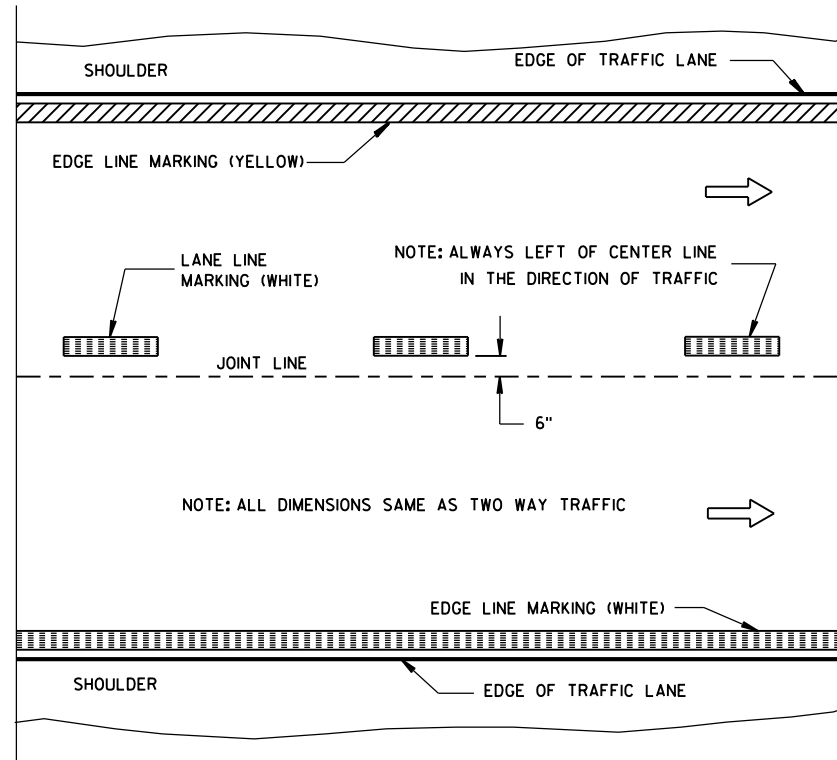
SUMMARY OF 4-INCH & 8-INCH							
		646.0106			646.0126		
COUNTY	Description (Location)	4-INCH EDGE LINE YELLOW L.F.	4-INCH LANE LINE WHITE L.F.	4-INCH EDGE LINE WHITE L.F.	8-INCH CHANNELIZING (MAINLINE) WHITE L.F.	8-INCH CHANNELIZING (RAMP) WHITE L.F.	8-INCH CHANNELIZING (ISLAND GORE) WHITE L.F.
Iowa & Lafayette	USH 18 & USH 151 (Divided Highways)	407303	88601	398286	33833	13946	159
Dodge	USH 151 (Divided Highways)	135169	33792	120322	18211	9208	
Jefferson	STH 26 (Divided Highways)	180850	45230	157682	10937	9502	798
Rock, Dane & Jefferson	IH 39/90 & IH 94 (Interstate Highways)	459629	73348	431544	5525	5525	150
TOTALS		1182951	240971	1107834	68506	38181	1107
		TOTAL 4-INCH 2531756			TOTAL 8-INCH 107794		

Standard Detail Drawing List

15C08-16A	PAVEMENT MARKING (MAINLINE)
15C10-10	PAVEMENT MARKINGS FOR DROP LANES FREEWAY/EXPRESSWAY
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C14-01	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C19-02C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C31-01B	LANE DROP PAVEMENT MARKING
15C31-01D	PAVEMENT MARKING FOR PARALLEL ON-RAMP AND PARALLEL OFF-RAMP
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING

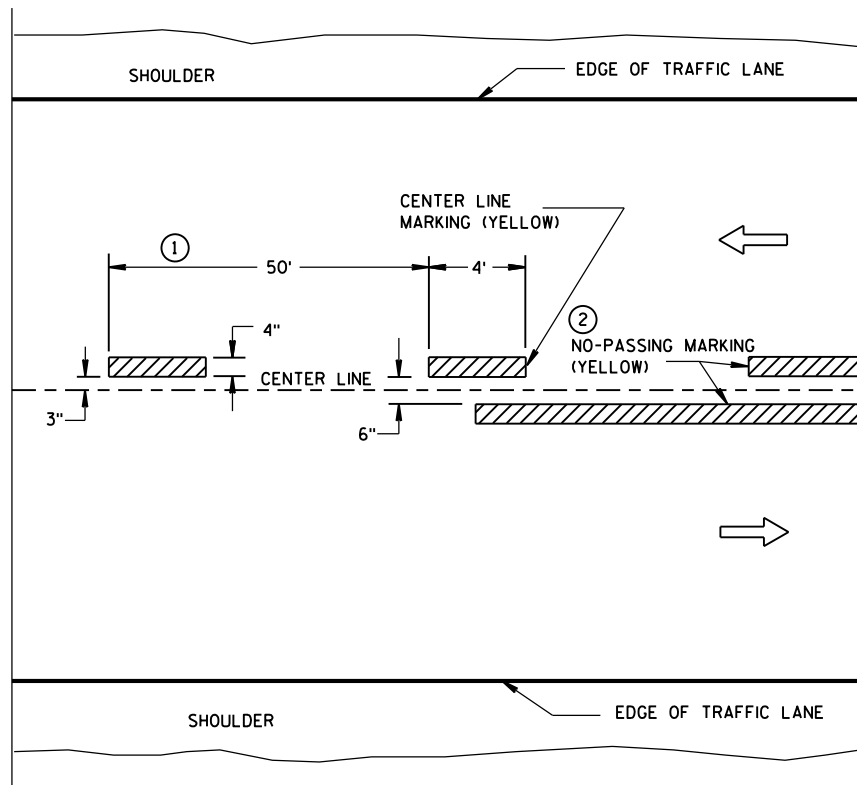


TWO WAY TRAFFIC

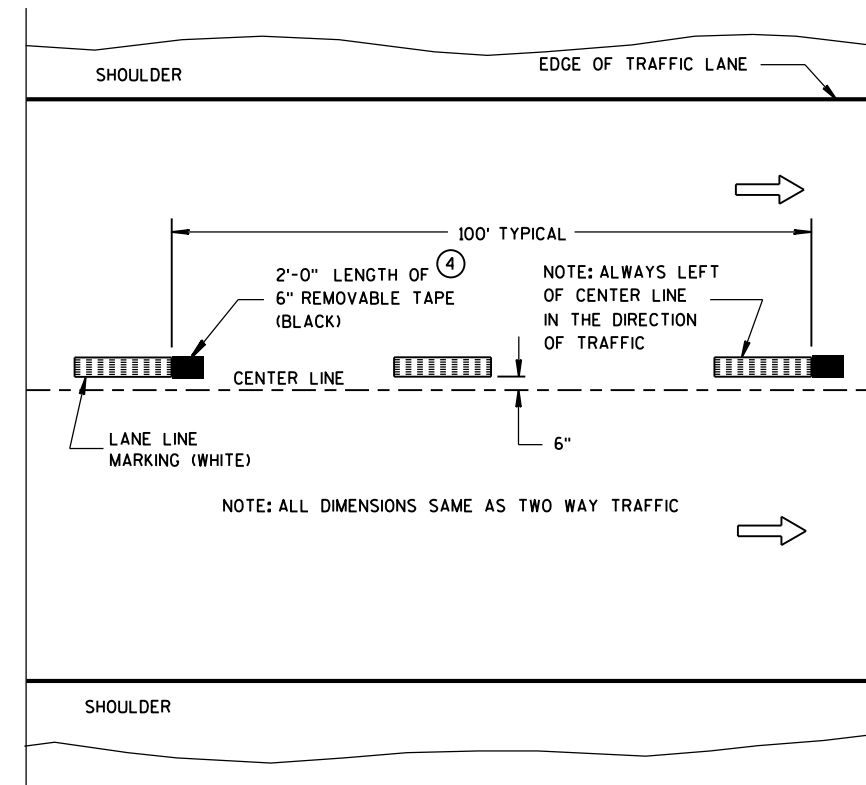


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

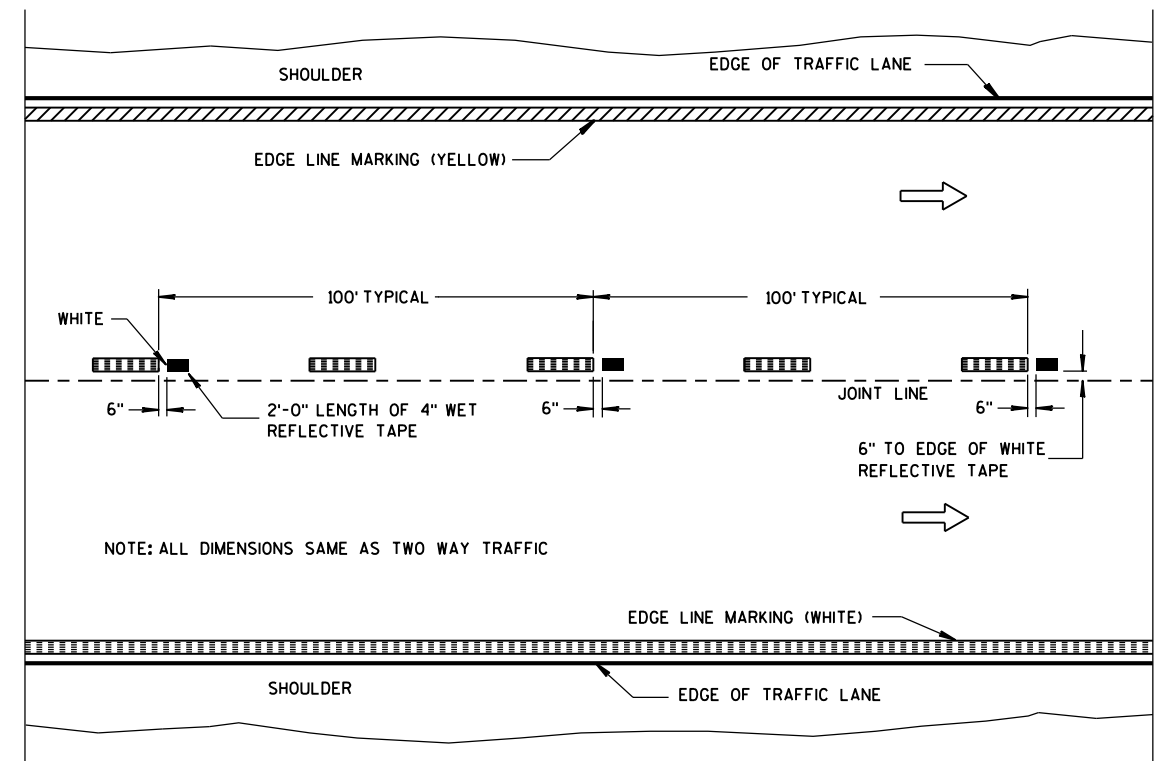
GENERAL NOTES

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

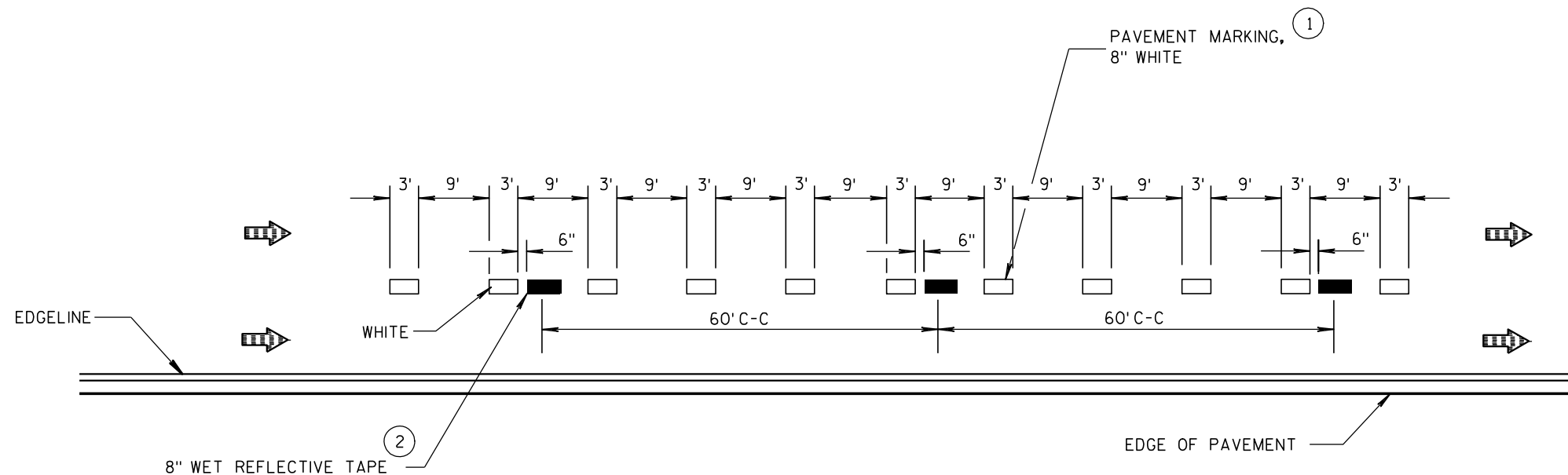
LEGEND

- "T" MARKING
- POST MOUNTED SIGN

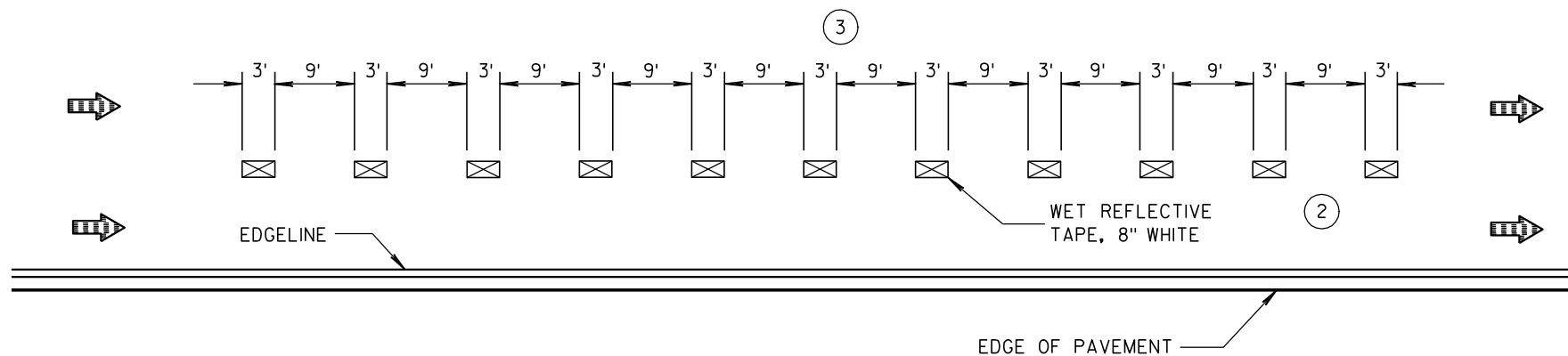
PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



SPRAYED OR NON WET REFLECTIVE DROP LANE
LINE SUPPLEMENTED BY WET REFLECTIVE TAPE SEGMENT



DROP LANE DETAIL FOR
NEW WET REFLECTIVE TAPE INSTALLATIONS

GENERAL NOTES

- ① 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE. RETRACE EXISTING 4" MARKING WITH 8" MARKING.
- ② REPLACE SAME 4" WET REFLECTIVE TAPE WHERE EXISTING 4" TAPE IS IN PLACE.
- ③ 3' LINE 9' GAP, EXCEPT REPLACE THE EXISTING LINE - GAP PATTERN AND WIDTH OF TAPE WHERE EXISTING TAPE IS IN PLACE.

LEGEND

- 2.0' LENGTH OF WET REFLECTIVE TAPE
- ⊠ 3.0' LENGTH OF WET REFLECTIVE TAPE
- DROP LANE MARKING SPRAYED OR NON WET REFLECTIVE TAPE
- ➡ DIRECTION OF TRAFFIC

PAVEMENT MARKINGS
FOR DROP LANES
FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION





APPROVED

5/13/10
DATE

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

FHWA

LEGEND

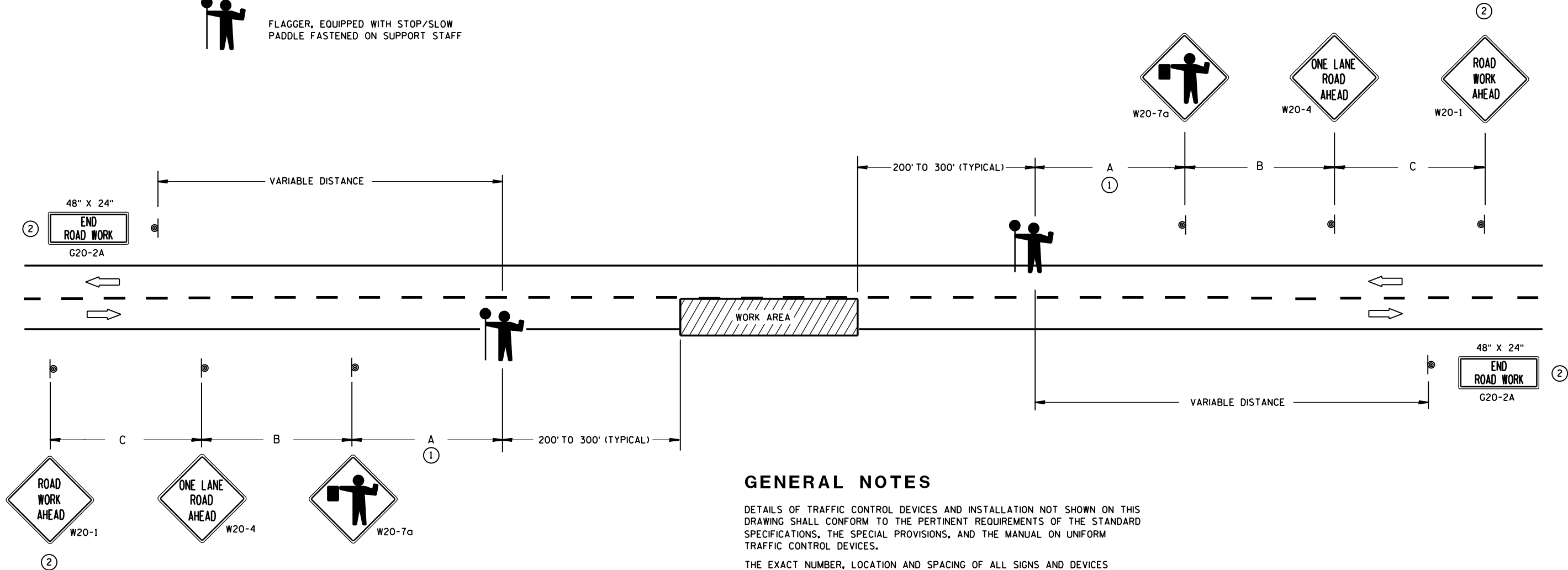
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

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.

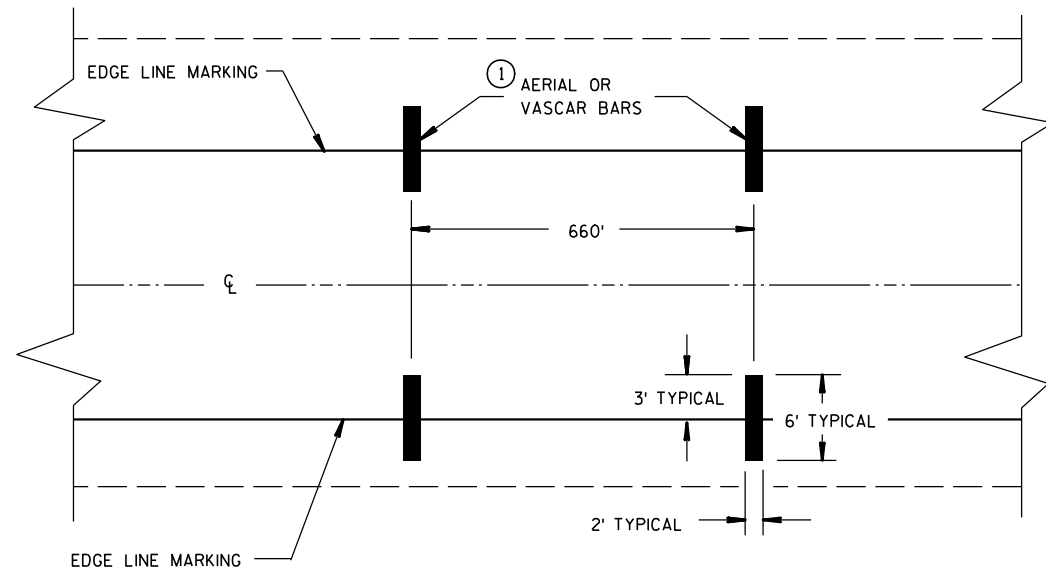
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

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

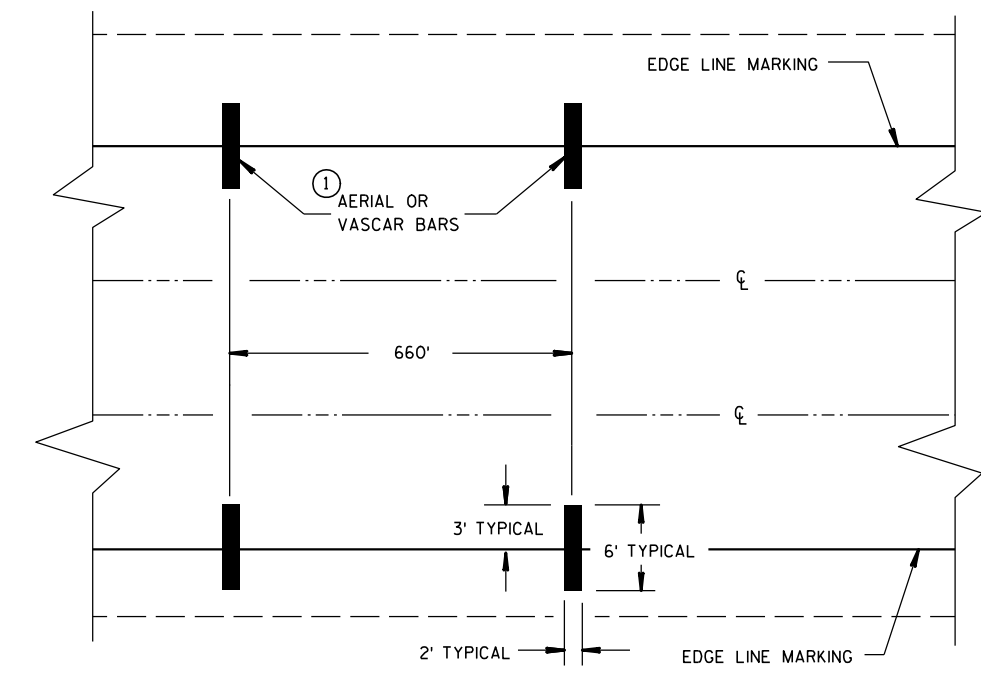
TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC



TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

GENERAL NOTES

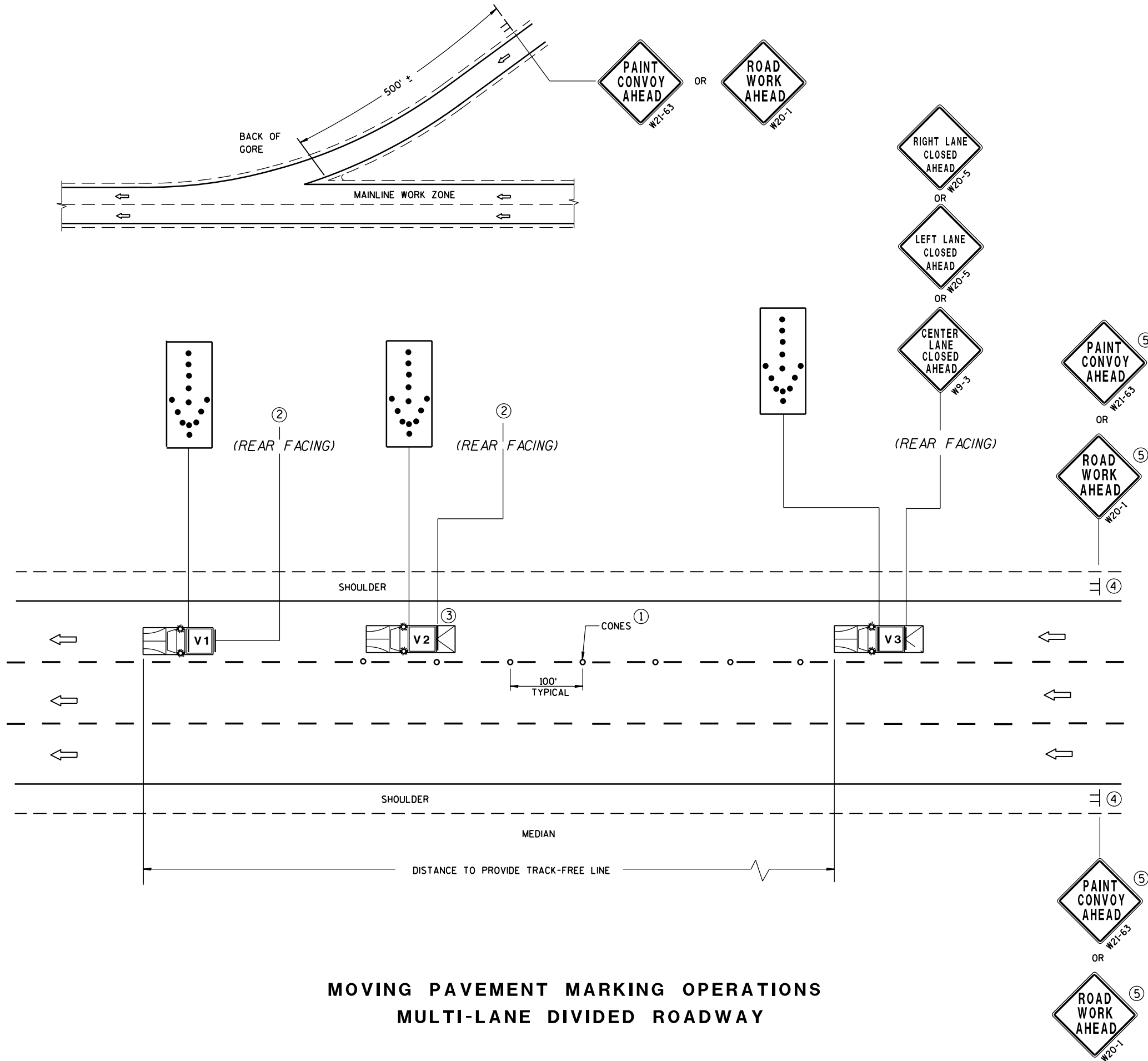
① NUMBER OF VASCAR OR AERIAL BARS SHALL BE A MINIMUM OF 2 OR A MAXIMUM OF 5 AT 660' SPACING.

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

AERIAL ENFORCEMENT BARS
PAVEMENT MARKING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/23/01 DATE /S/ Chester J. Spang CHIEF SIGNS AND MARKING 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.

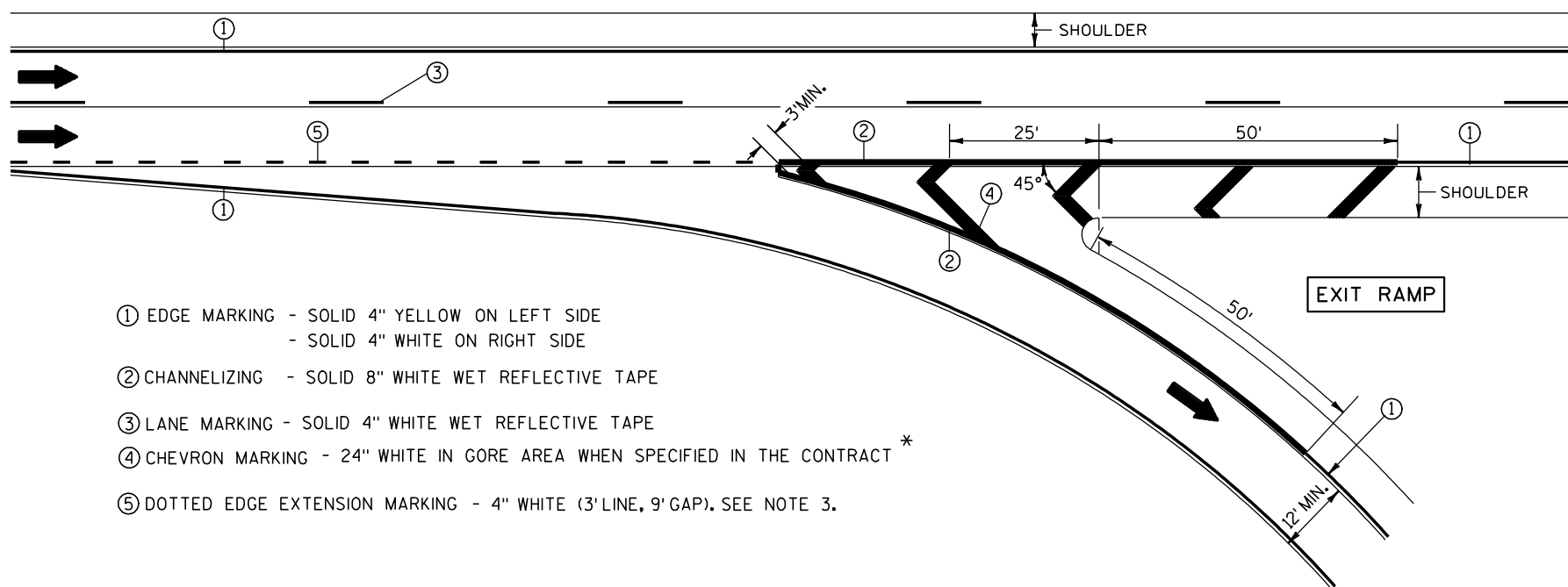
THIS DRAWING SHALL BE USED FOR EDGE LINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

- 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	

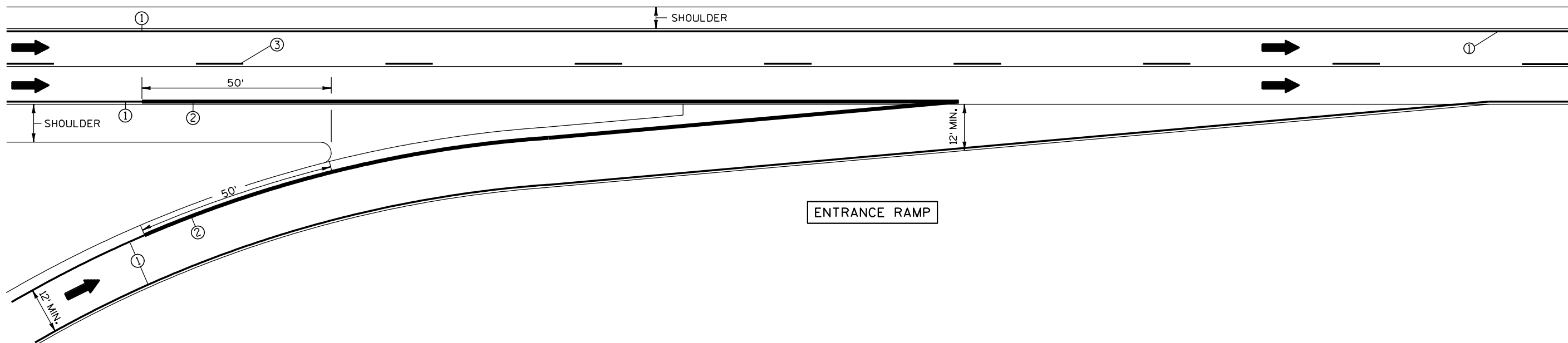


- ① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE
- ② CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE
- ③ LANE MARKING - SOLID 4" WHITE WET REFLECTIVE TAPE
- ④ CHEVRON MARKING - 24" WHITE IN GORE AREA WHEN SPECIFIED IN THE CONTRACT *
- ⑤ DOTTED EDGE EXTENSION MARKING -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

NOTES:

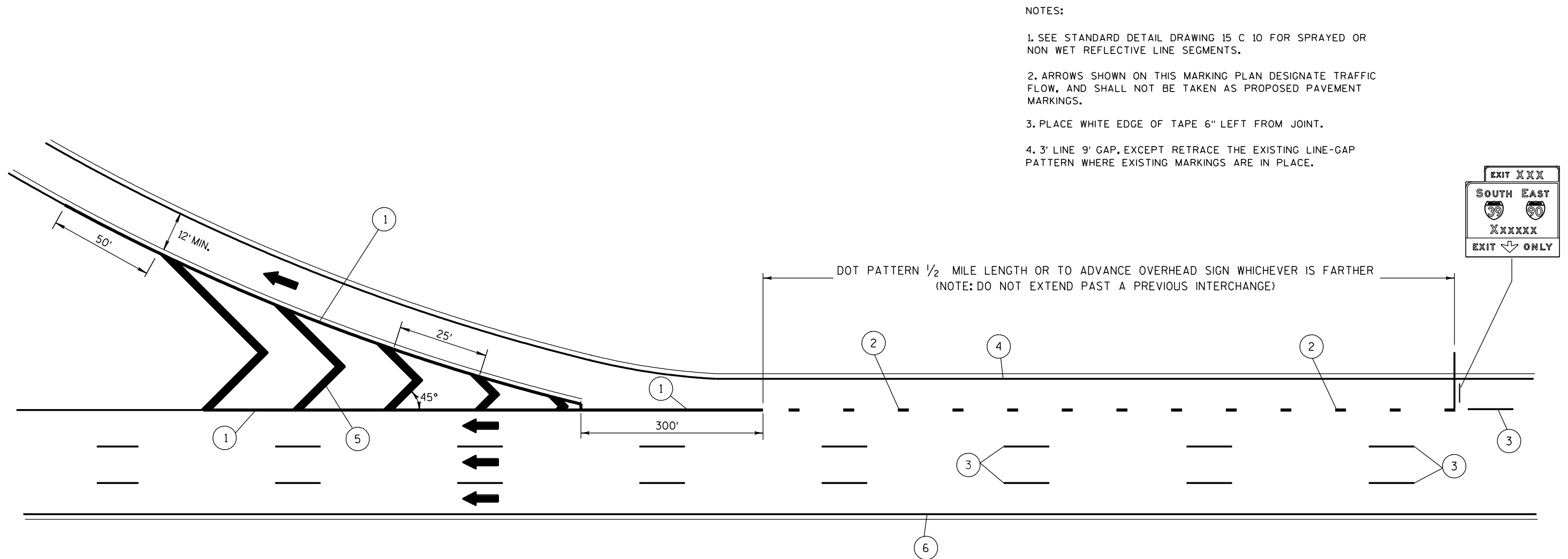
- 1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
- 2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.
- 3. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- 4. RETRACE EXISTING DIAGONAL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

* REFER TO DESIGN NOTES.



PAVEMENT MARKING
(RAMPS AND GORES)

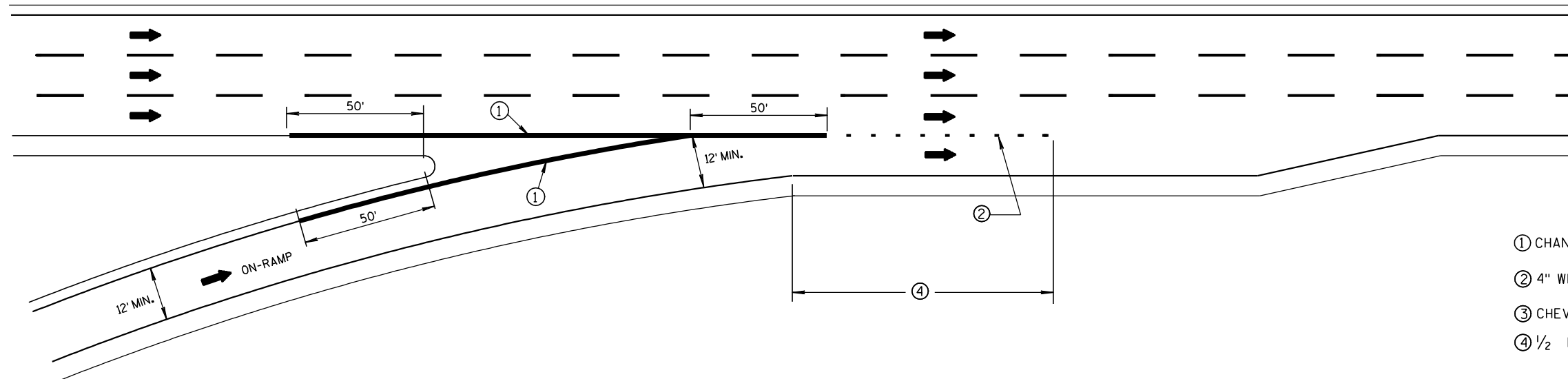
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



- ① CHANNELIZING - SOLID 8" WHITE WET RELECTIVE TAPE
- ② 3' LINE, 9' GAP SOLID 8" WHITE WET REFLECTIVE TAPE. SEE NOTE 4.
- ③ SOLID 4" WHITE WET REFLECTIVE TAPE
- ④ 4" WHITE EDGELINE
- ⑤ CHEVRON MARKING - 24" WHITE WHEN SPECIFIED IN THE CONTRACT
- ⑥ 4" YELLOW EDGELINE

LANE DROP
PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

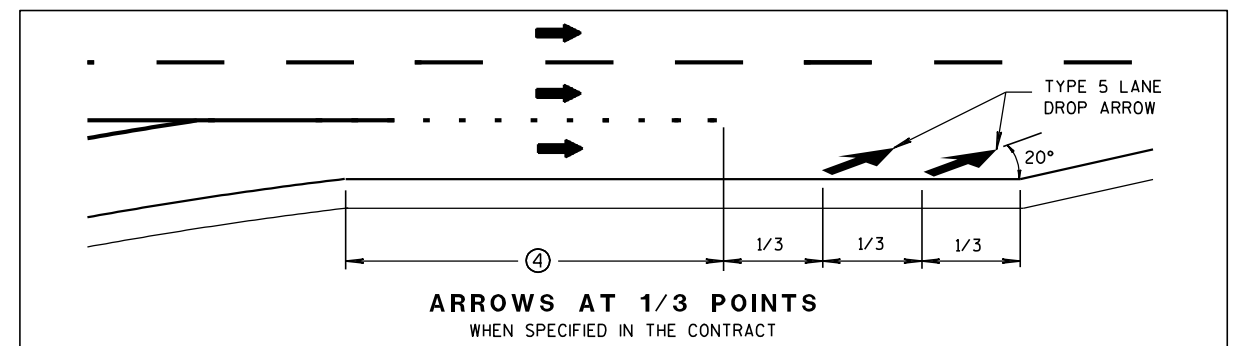
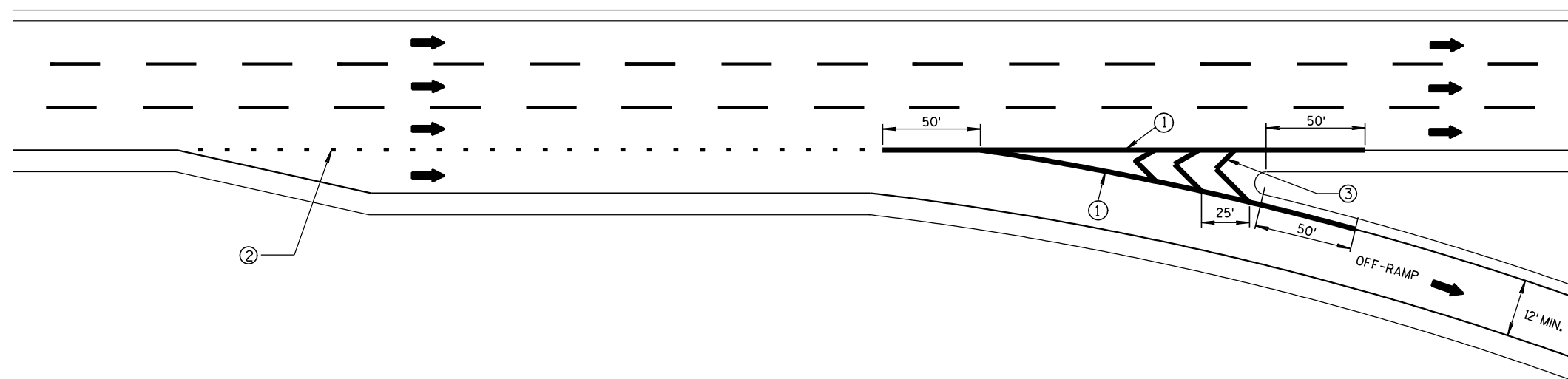


SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE-RAMP

NOTES:

1. AHEAD 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. RETRACE EXISTING DIAGONAL MARKINGS.

- ① CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE IN GORE AREA.
- ② 4" WHITE (3' LINE, 9' GAP).
- ③ CHEVRON MARKING - 24" WHITE WHEN SPECIFIED IN THE CONTRACT.
- ④ 1/2 LENGTH OF FULL WIDTH ACCELERATION LANE.

ARROWS AT 1/3 POINTS
WHEN SPECIFIED IN THE CONTRACT

SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT-RAMP

PAVEMENT MARKING FOR
PARALLEL ON-RAMP AND
PARALLEL OFF-RAMPSTATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

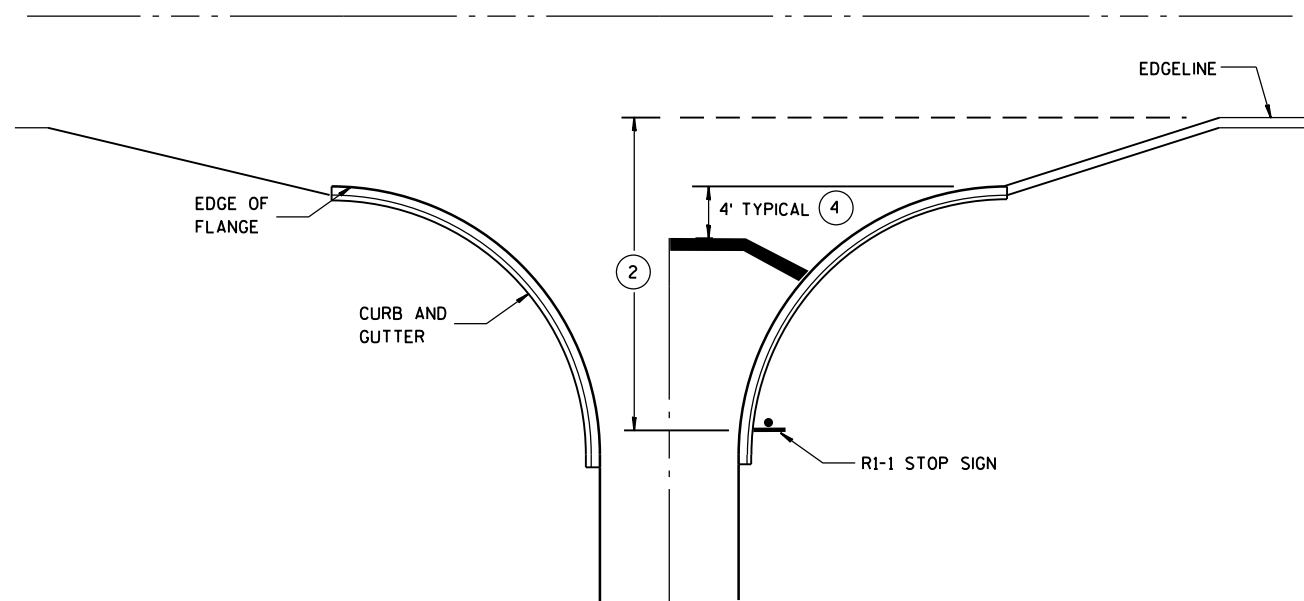
APPROVED

6/23/2011

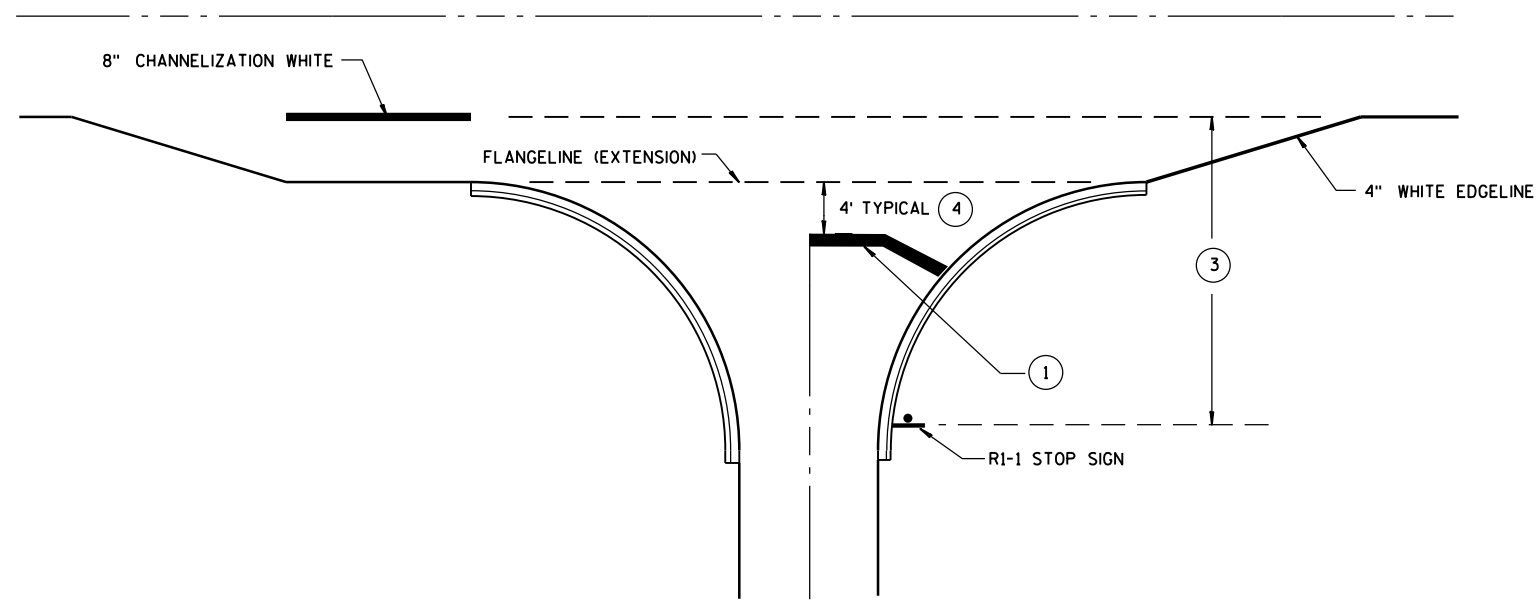
DATE

FHWA

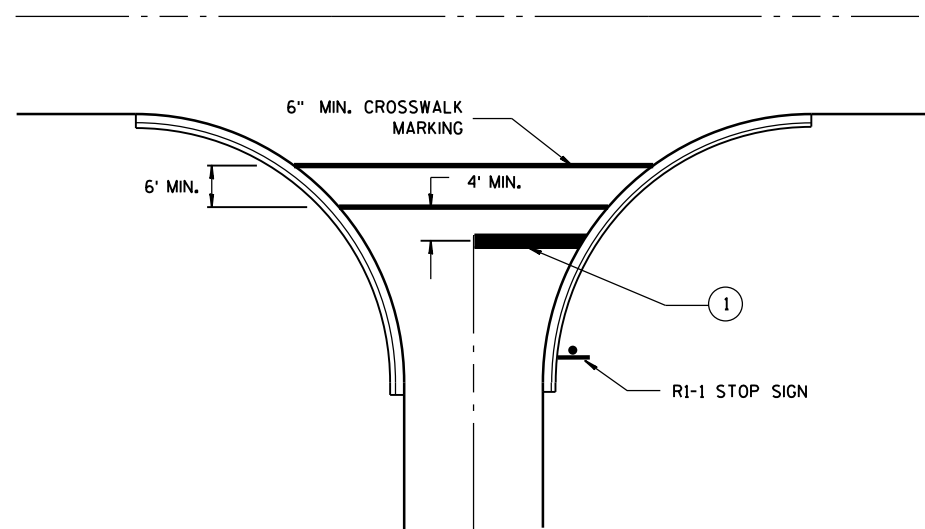
/S/ Thomas N. Notbohm
STATE TRAFFIC ENGINEER OF DESIGN



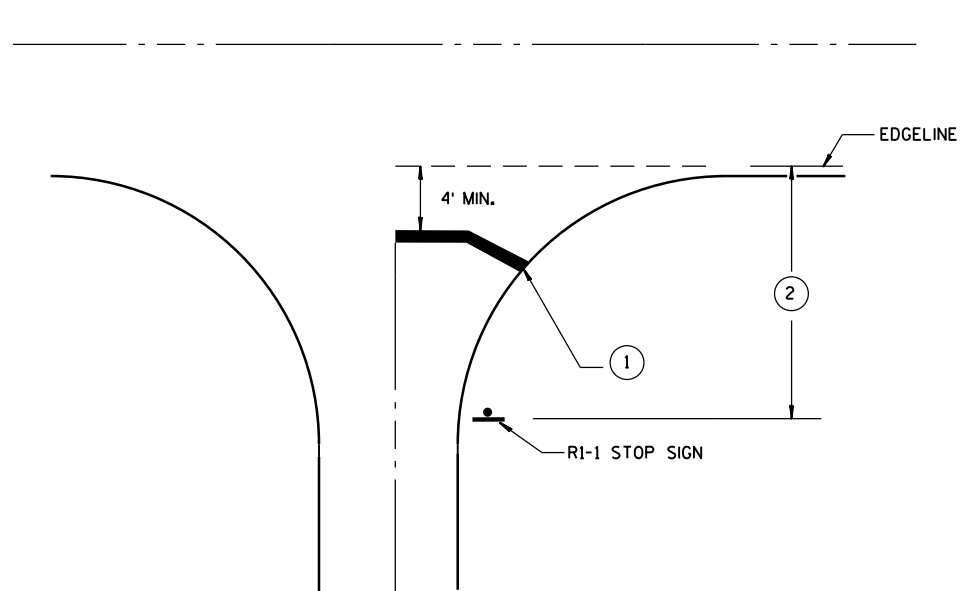
**TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER**



**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

FHWA

/S/ Travis Feltz
STATE TRAFFIC ENGINEER



Wisconsin Department of Transportation

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