

PROJECT ID:

1009-42-41

COUNTY:

NC REGION WIDE

MARCH 2015

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	Gross Sections

TOTAL SHEETS = 50



DESIGN DESIGNATION 1009-42-40

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

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

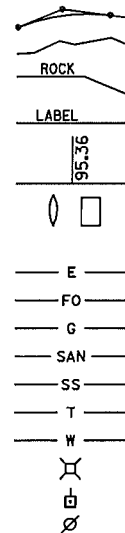
EXISTING CULVERT	PROPOSED CULVERT (Box or Pipe)
1	1
2	2
3	3
4	4
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95	95
96	96
97	97
98	98
99	99
100	100

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

NC REGION, EPOXY PAVEMENT MARKING

LOCATIONS ON STN PER ANNUAL PLAN

VAR HWY

NORTH CENTRAL REGION WIDE

STATE PROJECT NUMBER
1009-42-41

SEGMENT 6
STH 153 ROUNDABOUT

SEGMENT 5
USH 51
 (STH 47 TO USH 2)

SEGMENT 4
USH 51
(3RD AVE TO CTH M)


SEGMENT 3
USH 51
(ROCKY RUN RD TO PARK AVE)

SEGMENT 2
STH 29
(USH 45 EXIT TO BROWN CO LINE)

SEGMENT 1
STH 22
(USH 10 TO STH 22/54/110)

STATE OF WISCONSIN	
DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	NC REGION
Designer	REBECCA OLSEN
Project Manager	TIMOTHY HANLEY
Regional Examiner	CHERYL SIMON
Regional Supervisor	MICHAEL KRETSCHMER

APPROVED FOR THE DEPARTMENT

DATE: 01/21/2015 

(Signature)

I

FILE NAME : N:\PDS\C3D\10094241\SHEETSPLAN\010101_TS.DWG
LAYOUT NAME - ####

PLOT DATE : 1/20/2015 4:54 PM

PLOT BY : OLSEN, REBECCA J PLOT NAME :

WISDOT/CADDS SHEET 10

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

GENERAL NOTES

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS.

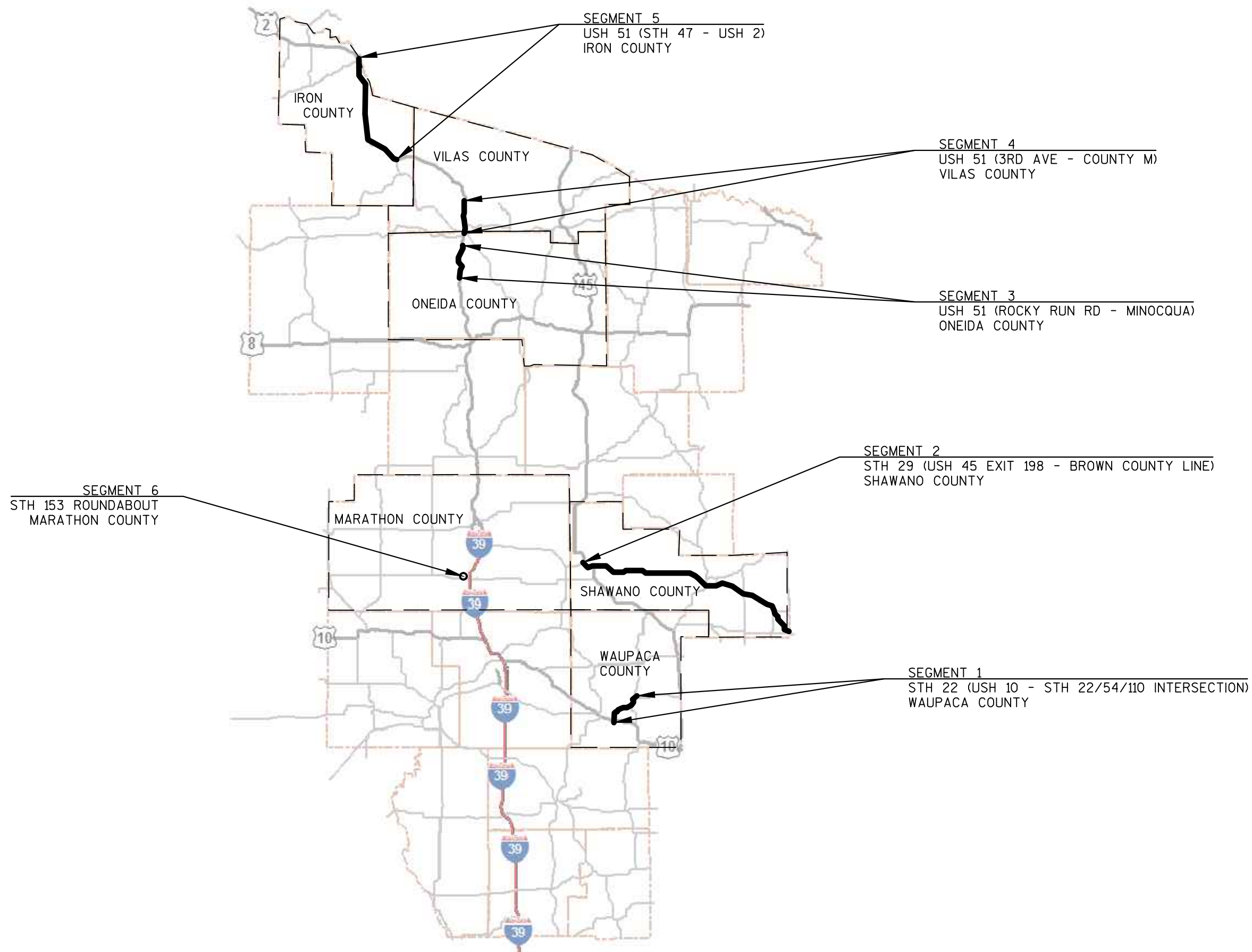
DNR LIAISON

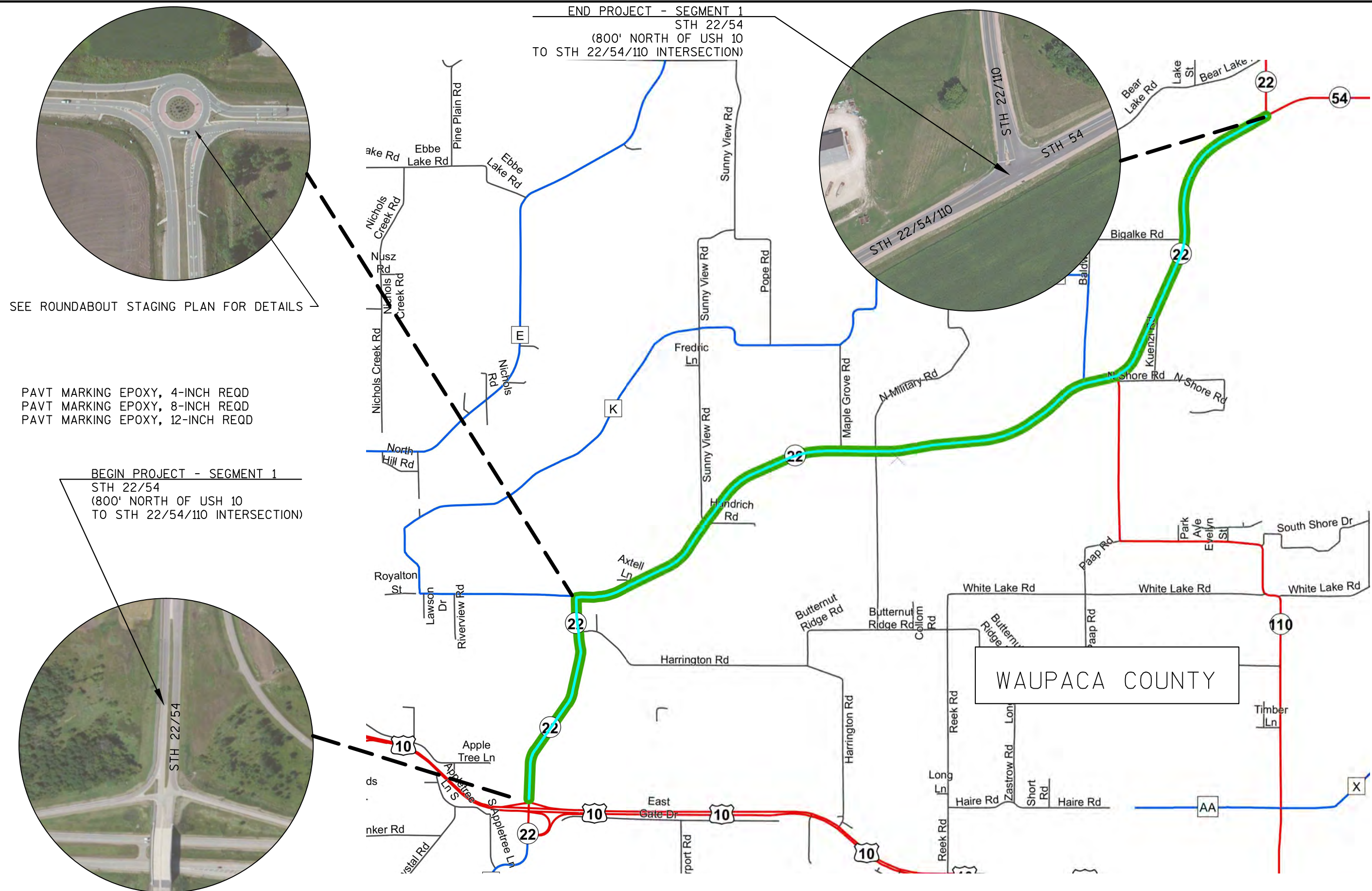
JON SIMONSEN (715)365-8916
jonathan.simonsen@wisconsin.gov
COUNTIES: ONEIDA, VILAS, IRON

JIM DOPERALSKI (920)662-5119
james.doperalski@wisconsin.gov
COUNTIES: SHAWANO

BOBBI JO FISCHER (920)787-3015
bobbi.fischer@wisconsin.gov
COUNTIES: WAUPACA

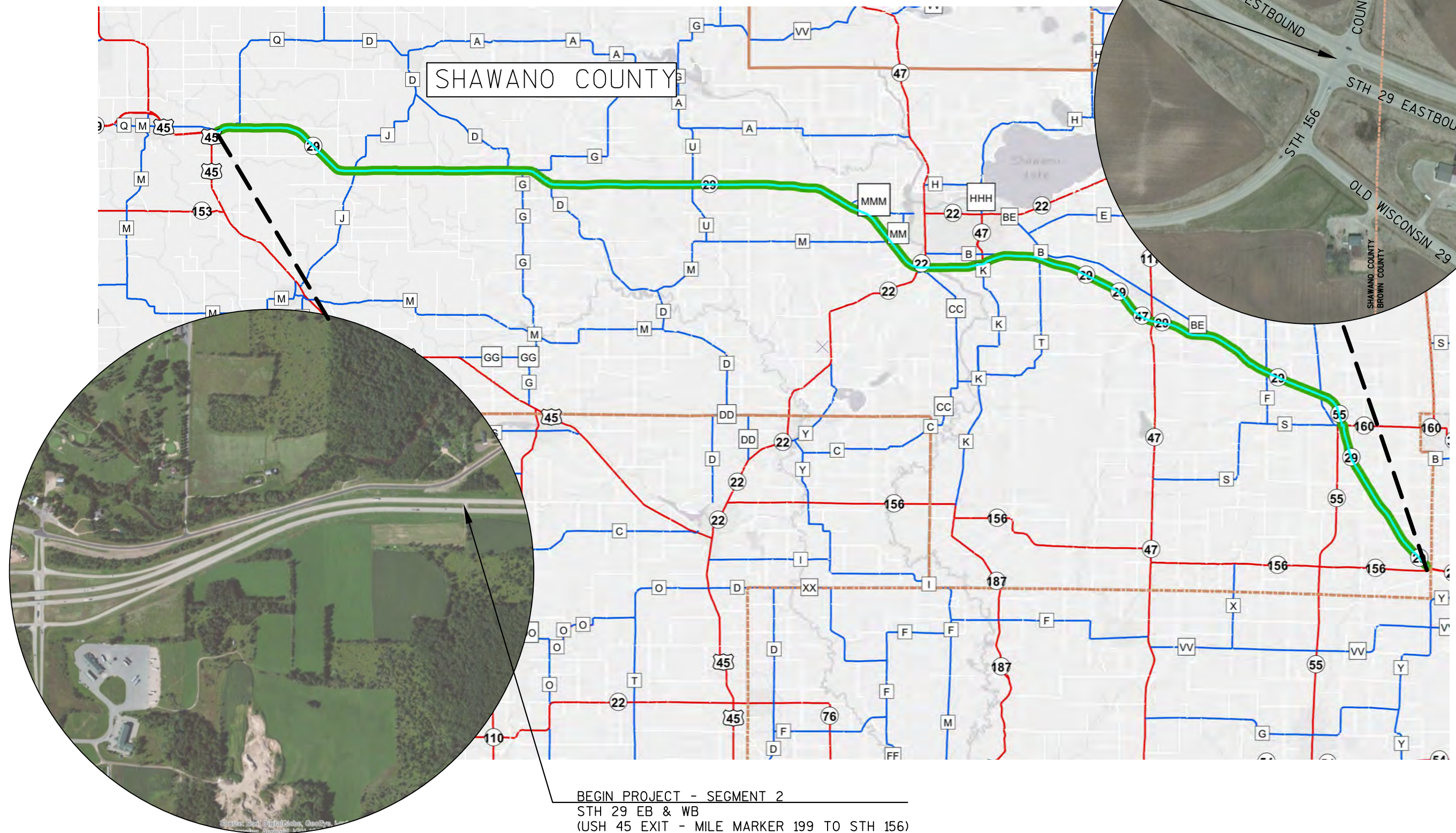
MARC HERSHFIELD (715)421-9124
marc.hershfield@wisconsin.gov
COUNTIES: MARATHON



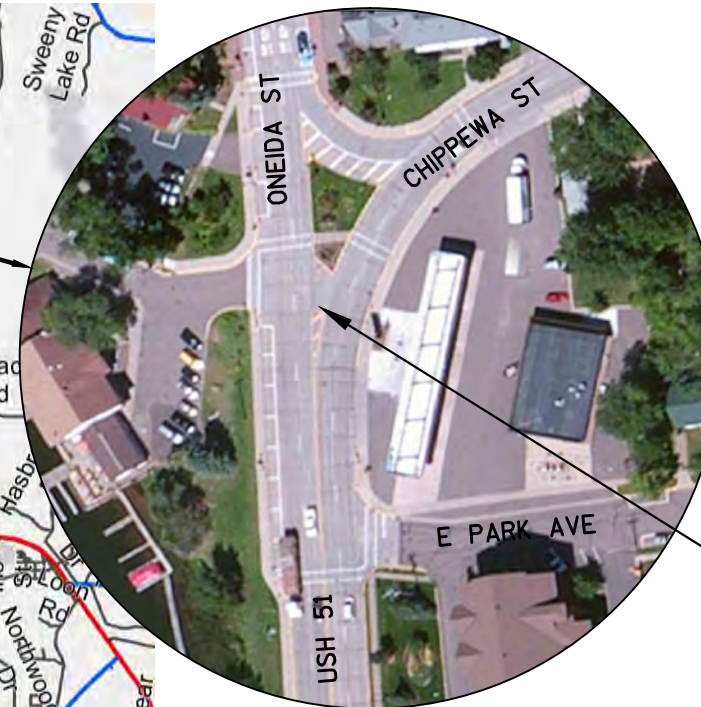


PAVT MARKING EPOXY, 4-INCH REQD
 PAVT MARKING EPOXY, 8-INCH REQD
 PAVT MARKING EPOXY, 18-INCH REQD
 PAVT MARKING EPOXY, DIAGONAL 24-INCH REQD
 PAVT MARKING EPOXY, AERIAL ENFORCEMENT BARS REQD

END PROJECT - SEGMENT 2
 STH 29 EB & WB
 (USH 45 EXIT - MILE MARKER 199 TO STH 156)

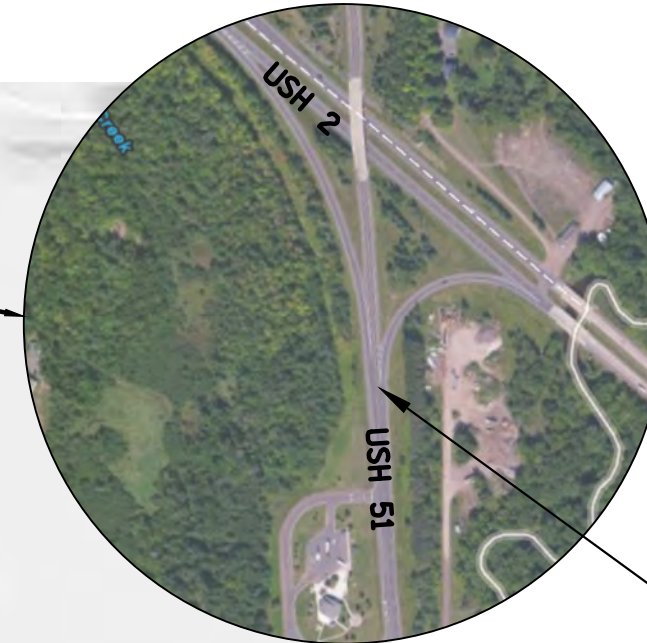
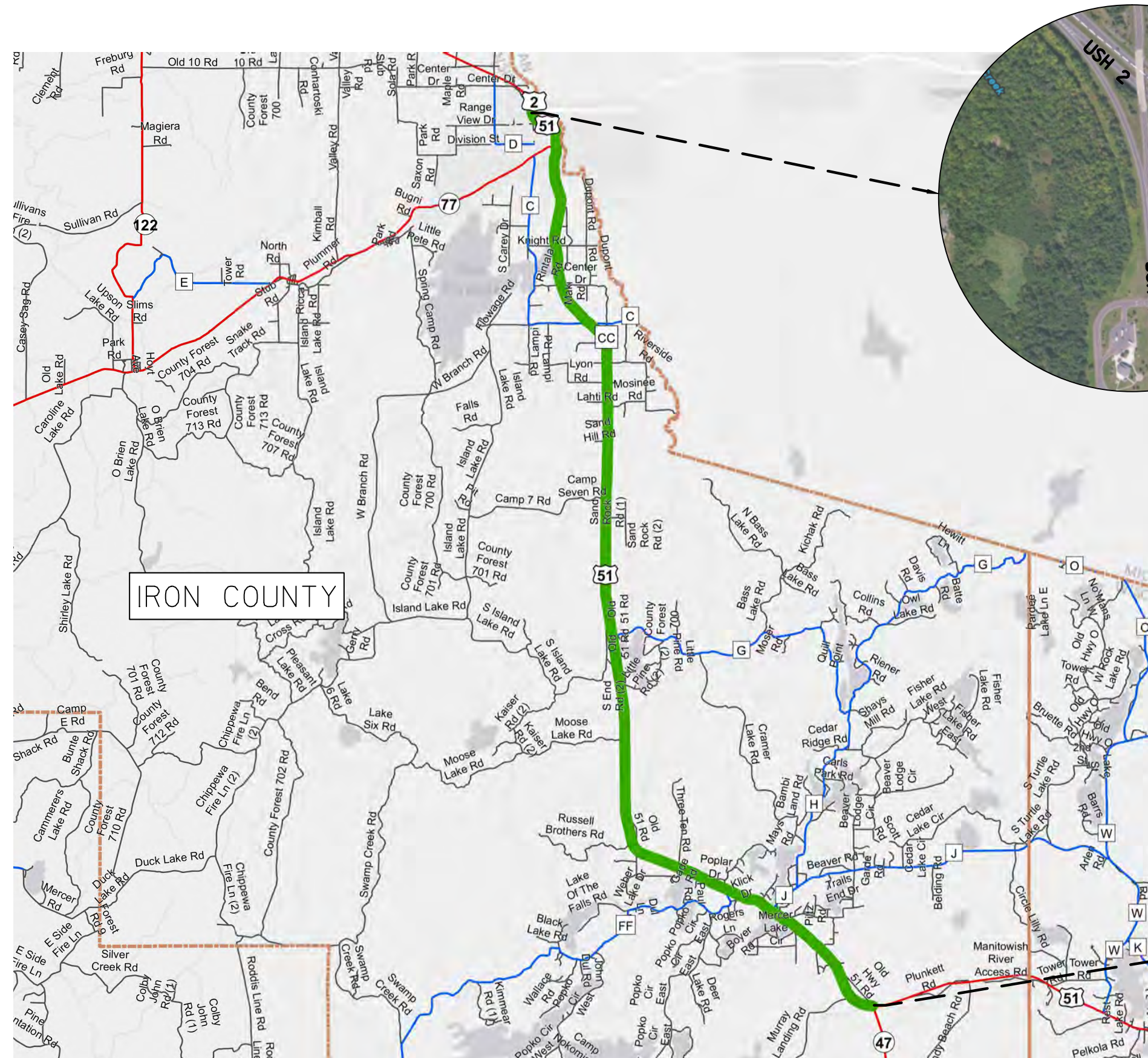


BEGIN PROJECT - SEGMENT 2
 STH 29 EB & WB
 (USH 45 EXIT - MILE MARKER 199 TO STH 156)



PAVT MARKING EPOXY, 4-INCH REQD	
PAVT MARKING EPOXY, 8-INCH REQD	
PAVT MARKING EPOXY, ARROWS TYPE 2 REQD	
PAVT MARKING EPOXY, WORDS REQD	
PAVT MARKING EPOXY, 12-INCH REQD	
PAVT MARKING EPOXY, 18-INCH REQD	
PAVT MARKING EPOXY, CONCRETE CORRUGATED MEDIAN REQD	

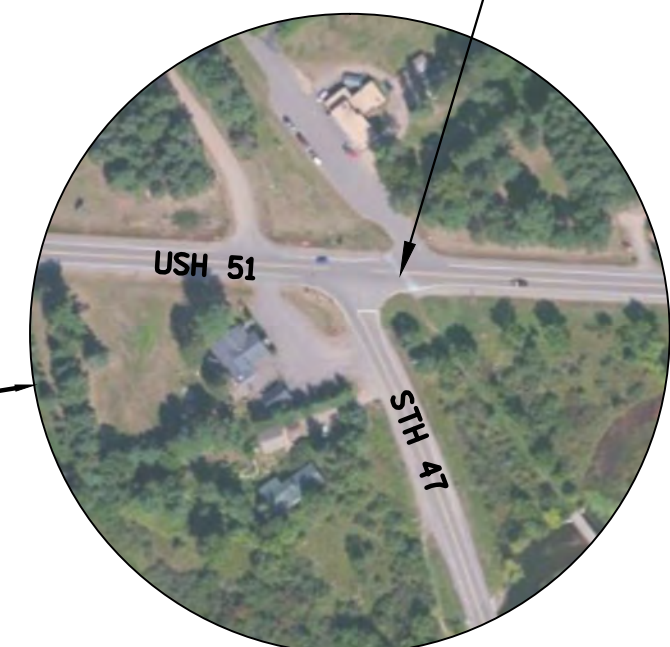


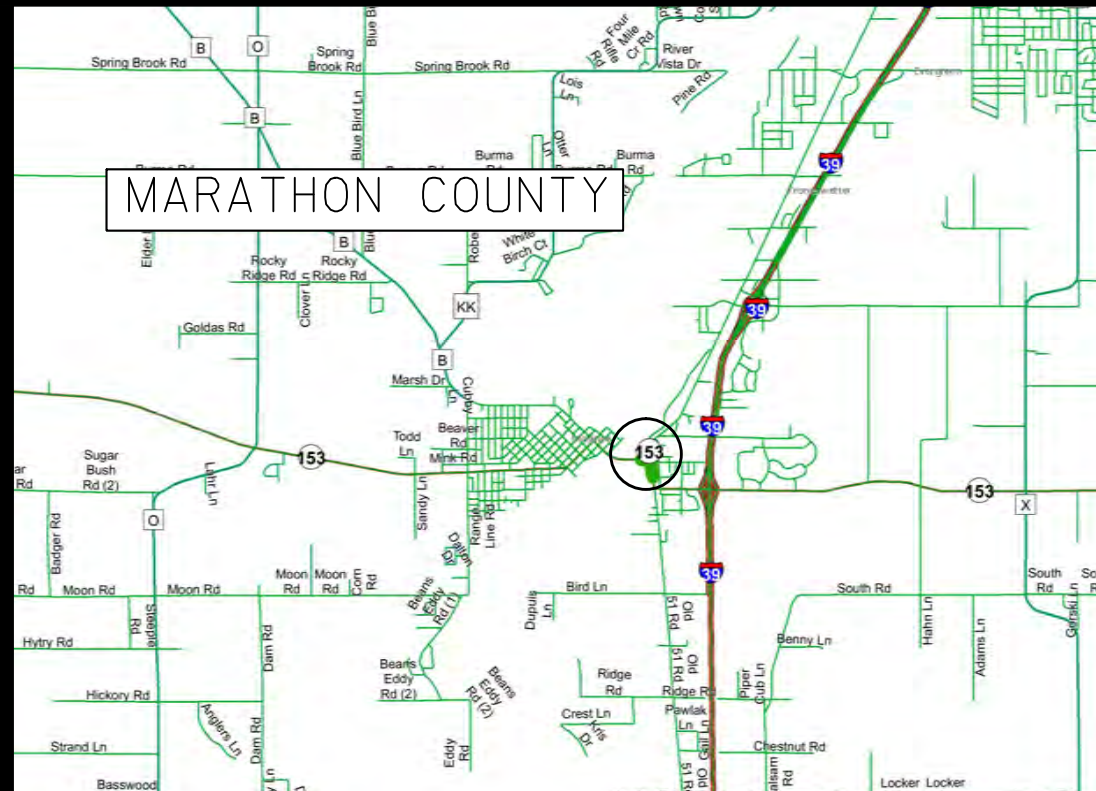


END PROJECT - SEGMENT 5
USH 51
(STH 47 TO USH 2)

PAVT MARKING EPOXY, 4-INCH REQD
PAVT MARKING EPOXY, 8-INCH REQD

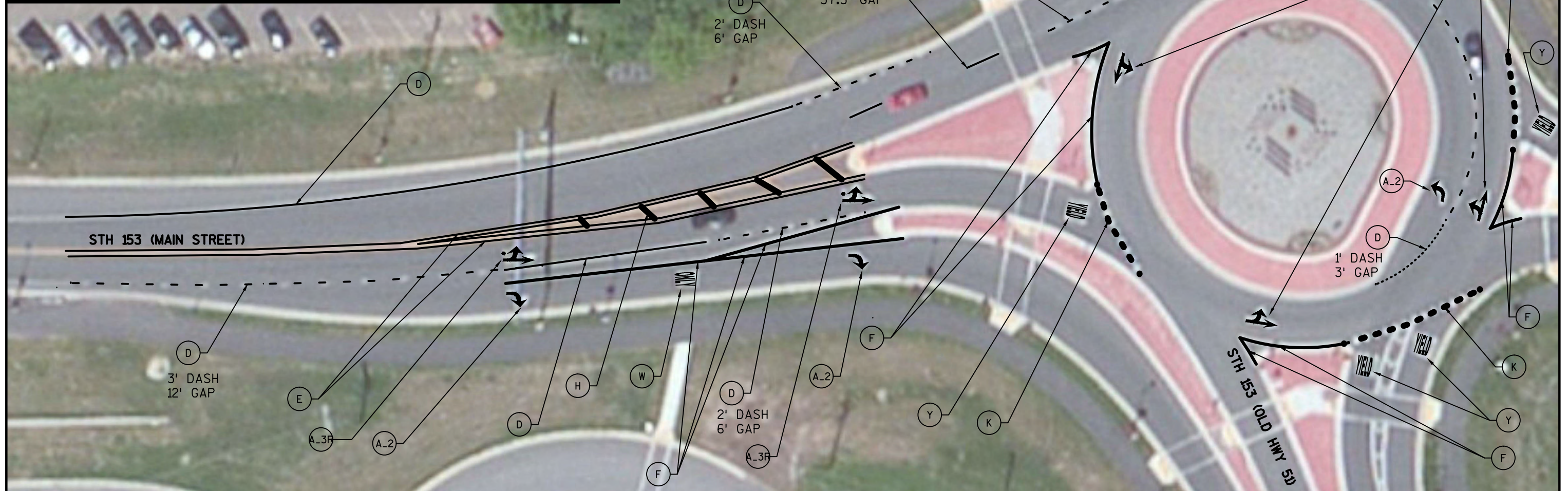
BEGIN PROJECT - SEGMENT 5
USH 51
(STH 47 TO USH 2)





MARATHON COUNTY

- A_1 PAVT MARKING, ARROW, TYPE 1, (WHITE)
A_2 PAVT MARKING, ARROW, TYPE 2, (WHITE)
A_3 PAVT MARKING, ARROW, TYPE 3, (WHITE)
A_2R PAVT MARKING, ROUNDABOUT ARROW, TYPE 2, (WHITE)
A_3R PAVT MARKING, ROUNDABOUT ARROW, TYPE 3, (WHITE)
D PAVT MARKING, 4-INCH (WHITE)
E PAVT MARKING, 4-INCH, (YELLOW)
F PAVT MARKING, CHANNELIZING, 8-INCH, (WHITE)
H PAVT MARKING, DIAGONAL, 12-INCH, (YELLOW)
25-FT SPACING
K PAVT MARKING, DOTTED EDGELINE EXTENSION, 18-INCH, (WHITE), 2' PAINT, 2' GAP
W PAVT MARKING, WORD, ONLY, (WHITE)
Y PAVT MARKING, WORD, YIELD, (WHITE)



PROJECT NO: 1009-42-41

HWY: STH 153

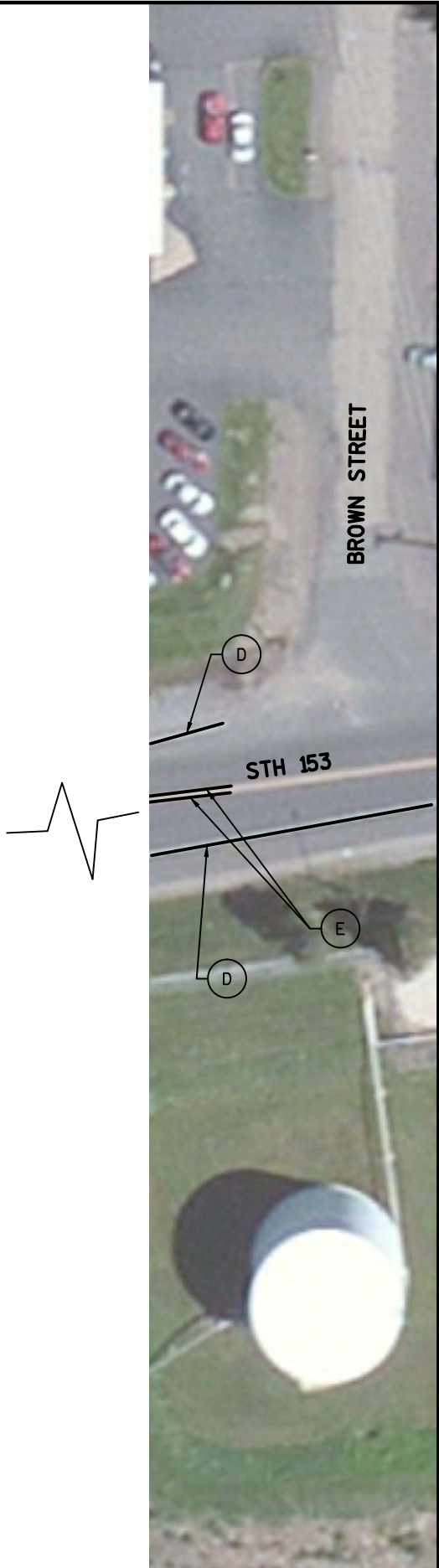
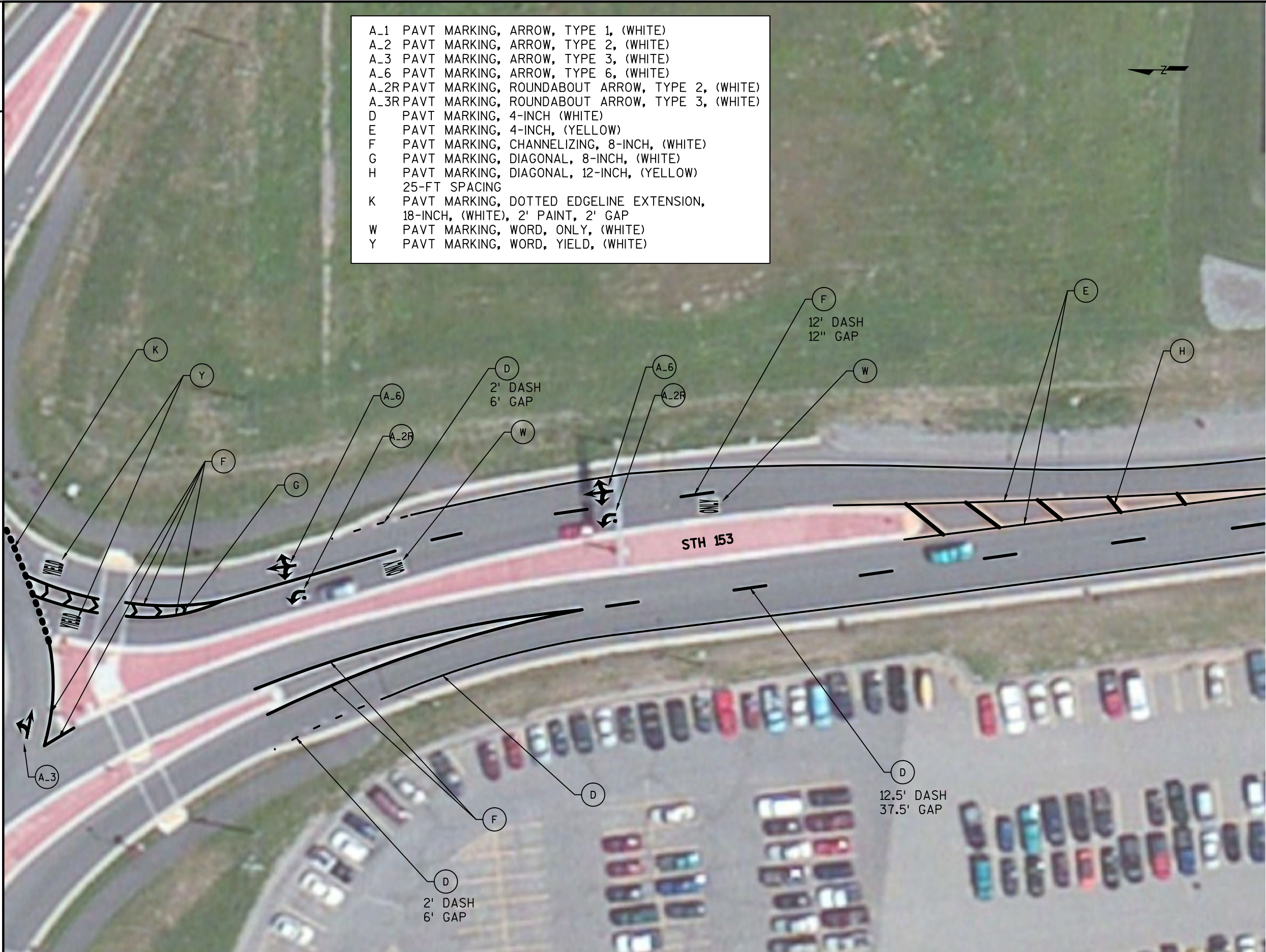
COUNTY: MARATHON

PAVEMENT MARKING




SHEET

E

- | | |
|------|---|
| A_1 | PAVT MARKING, ARROW, TYPE 1, (WHITE) |
| A_2 | PAVT MARKING, ARROW, TYPE 2, (WHITE) |
| A_3 | PAVT MARKING, ARROW, TYPE 3, (WHITE) |
| A_6 | PAVT MARKING, ARROW, TYPE 6, (WHITE) |
| A_2R | PAVT MARKING, ROUNDABOUT ARROW, TYPE 2, (WHITE) |
| A_3R | PAVT MARKING, ROUNDABOUT ARROW, TYPE 3, (WHITE) |
| D | PAVT MARKING, 4-INCH (WHITE) |
| E | PAVT MARKING, 4-INCH, (YELLOW) |
| F | PAVT MARKING, CHANNELIZING, 8-INCH, (WHITE) |
| G | PAVT MARKING, DIAGONAL, 8-INCH, (WHITE) |
| H | PAVT MARKING, DIAGONAL, 12-INCH, (YELLOW)
25-FT SPACING |
| K | PAVT MARKING, DOTTED EDGE LINE EXTENSION,
18-INCH, (WHITE), 2' PAINT, 2' GAP |
| W | PAVT MARKING, WORD, ONLY, (WHITE) |
| Y | PAVT MARKING, WORD, YIELD, (WHITE) |



LEGEND

-  TRAFFIC CONTROL SIGN PCMS
-  SIGN ON PERMANENT OR PORTABLE SUPPORT
-  WORK AREA



PCMS MESSAGES
LOCATION 1

7 DAYS PRIOR
TO CLOSURE

STH 22/54 EXPECT DELAYS	DAY-7PM TO DAY-5AM
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DURING CLOSURE

STH 22/54 TEMP CLOSURE	EXPECT 15 MIN DELAY
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PCMS MESSAGES
LOCATION 2

7 DAYS PRIOR
TO CLOSURE

STH 22/54 EXPECT DELAYS	DAY-7PM TO DAY-5AM
-------------------------------	--------------------------

DURING CLOSURE

STH 22/54 TEMP CLOSURE	EXPECT 15 MIN DELAY
------------------------------	---------------------------

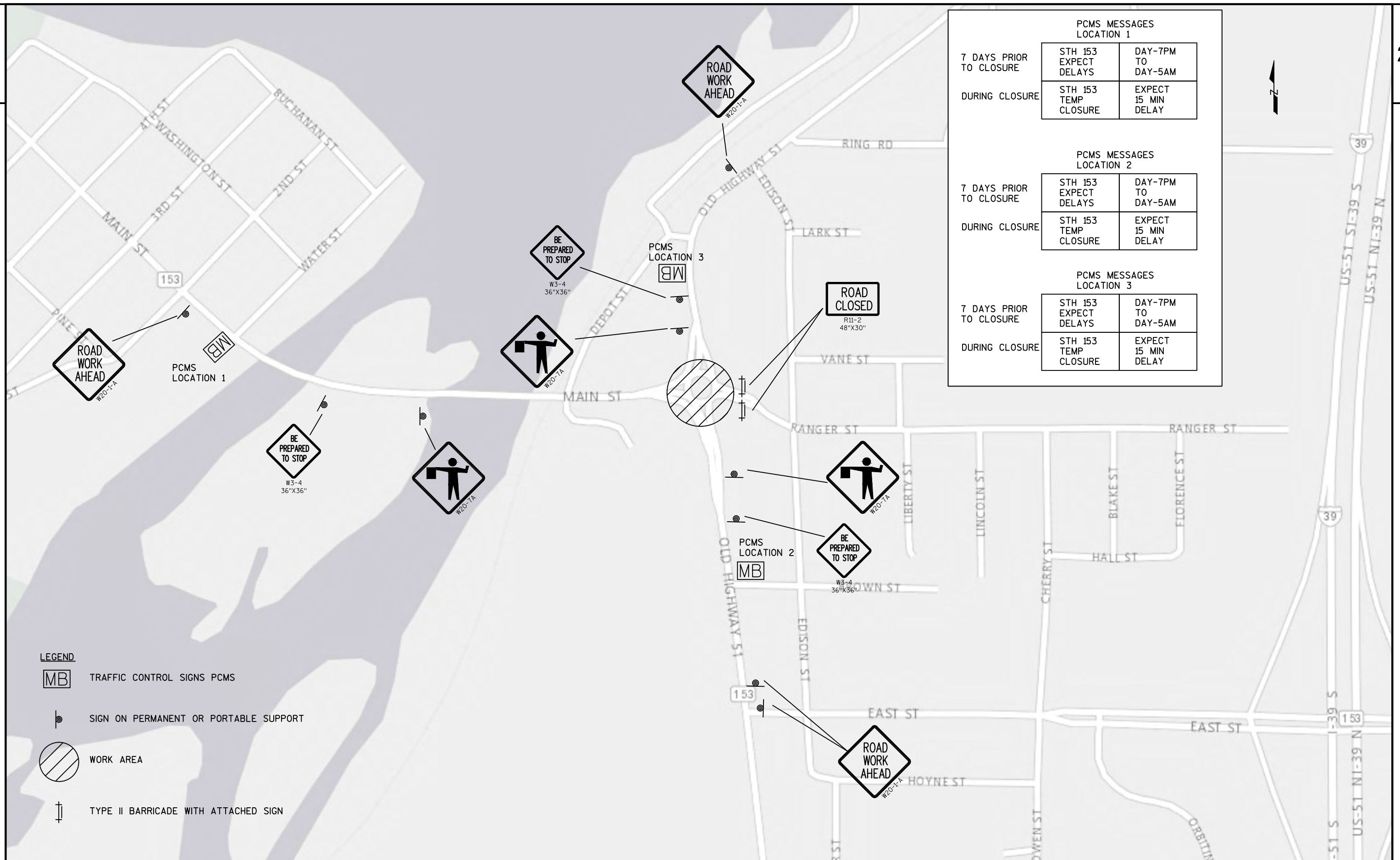
PCMS MESSAGES
LOCATION 3

7 DAYS PRIOR
TO CLOSURE

STH 22/54 EXPECT DELAYS	DAY-7PM TO DAY-5AM
-------------------------------	--------------------------

DURING CLOSURE

STH 22/54 TEMP CLOSURE	EXPECT 15 MIN DELAY
------------------------------	---------------------------



STAGE 1
ROUNDAABOUT SPECIAL MARKING
WORK AREAS



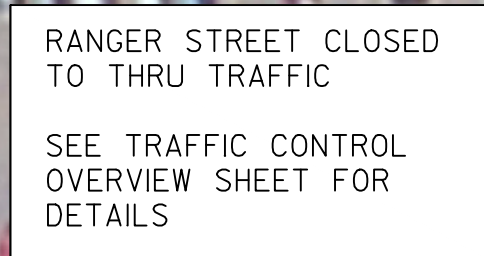
STAGE 2
ROUNDAABOUT SPECIAL MARKING
WORK AREAS



STAGE 3
ROUNDAABOUT SPECIAL MARKING
WORK AREAS



SEE TRAFFIC CONTROL SHEETS FOR DETAILS

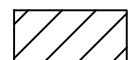


RANGER STREET

RANGER STREET CLOSED
TO THRU TRAFFICSEE TRAFFIC CONTROL
OVERVIEW SHEET FOR
DETAILS

LEGEND

● TRAFFIC CONTROL DRUM



WORK ZONE



TRAFFIC FLOW ARROW

N

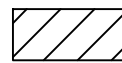
BROWN STREET

STH 153

LEGEND



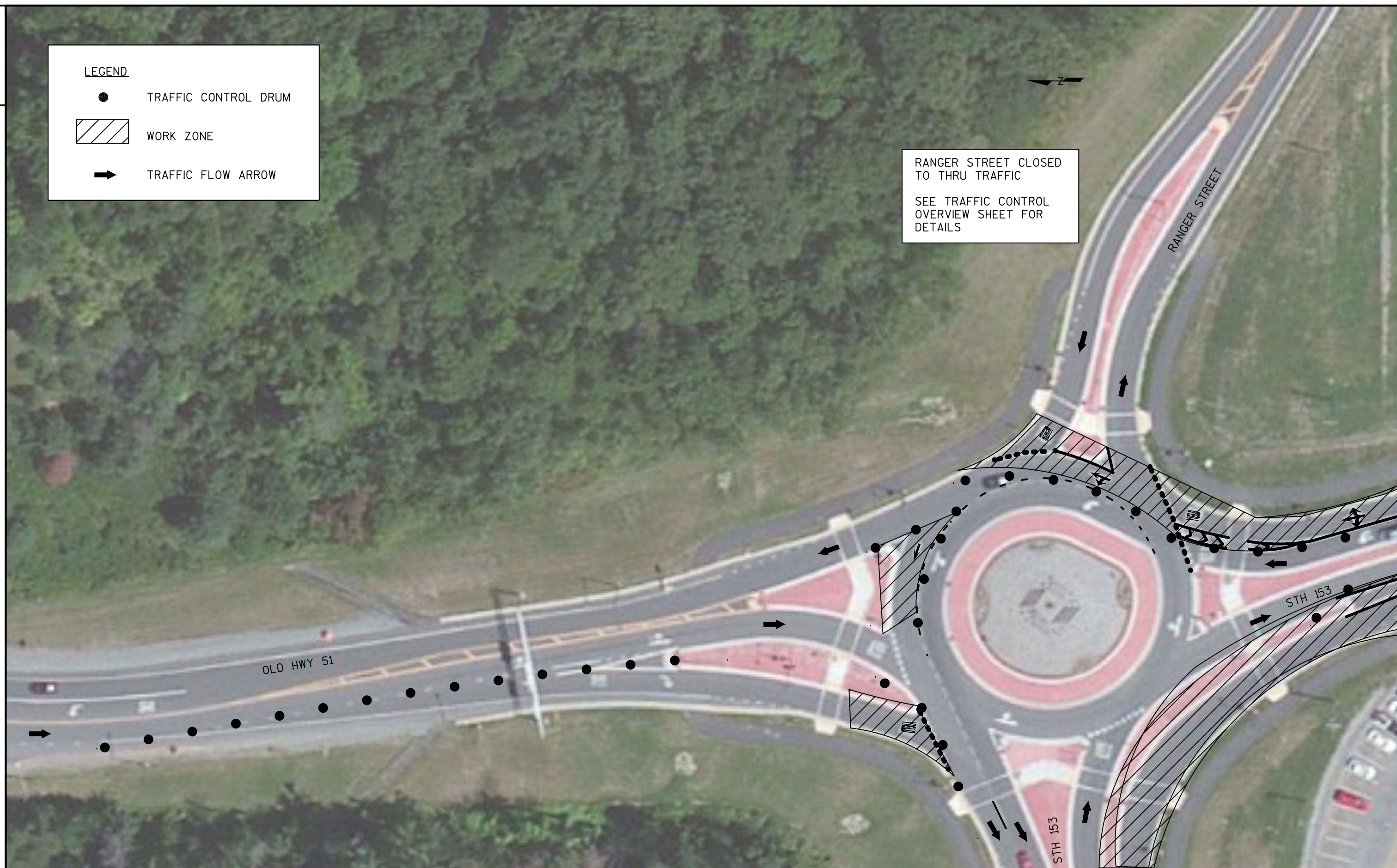
TRAFFIC CONTROL DRUM



WORK ZONE



TRAFFIC FLOW ARROW

RANGER STREET CLOSED
TO THRU TRAFFICSEE TRAFFIC CONTROL
OVERVIEW SHEET FOR
DETAILS

LEGEND

● TRAFFIC CONTROL DRUM



WORK ZONE



TRAFFIC FLOW ARROW

RANGER STREET CLOSED
TO THRU TRAFFICSEE TRAFFIC CONTROL
OVERVIEW SHEET FOR
DETAILS

PROJECT NO: 1009-42-41

HWY: STH 153

COUNTY: MARATHON

STAGE 2 - PAVEMENT MARKING

SHEET

E

FILE NAME : N:\PDS\C3D\10094241\BASEDATA\MAPPING\STH153_MARATHON\STH 153 ROUNDABOUT TRAFFIC CONTROL STAGE 2.DWG
LAYOUT NAME - ****

PLOT DATE : 1/23/2015 11:51 AM

PLOT BY : OLSEN, REBECCA J

PLOT NAME :

PLOT SCALE :

WISDOT/CADDs SHEET 42

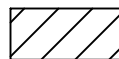
RANGER STREET

RANGER STREET CLOSED
TO THRU TRAFFICSEE TRAFFIC CONTROL
OVERVIEW SHEET FOR
DETAILS

LEGEND



TRAFFIC CONTROL DRUM



WORK ZONE



TRAFFIC FLOW ARROW

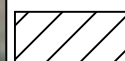
STH 153

BROWN STREET

STH 153

LEGEND

● TRAFFIC CONTROL DRUM



WORK ZONE



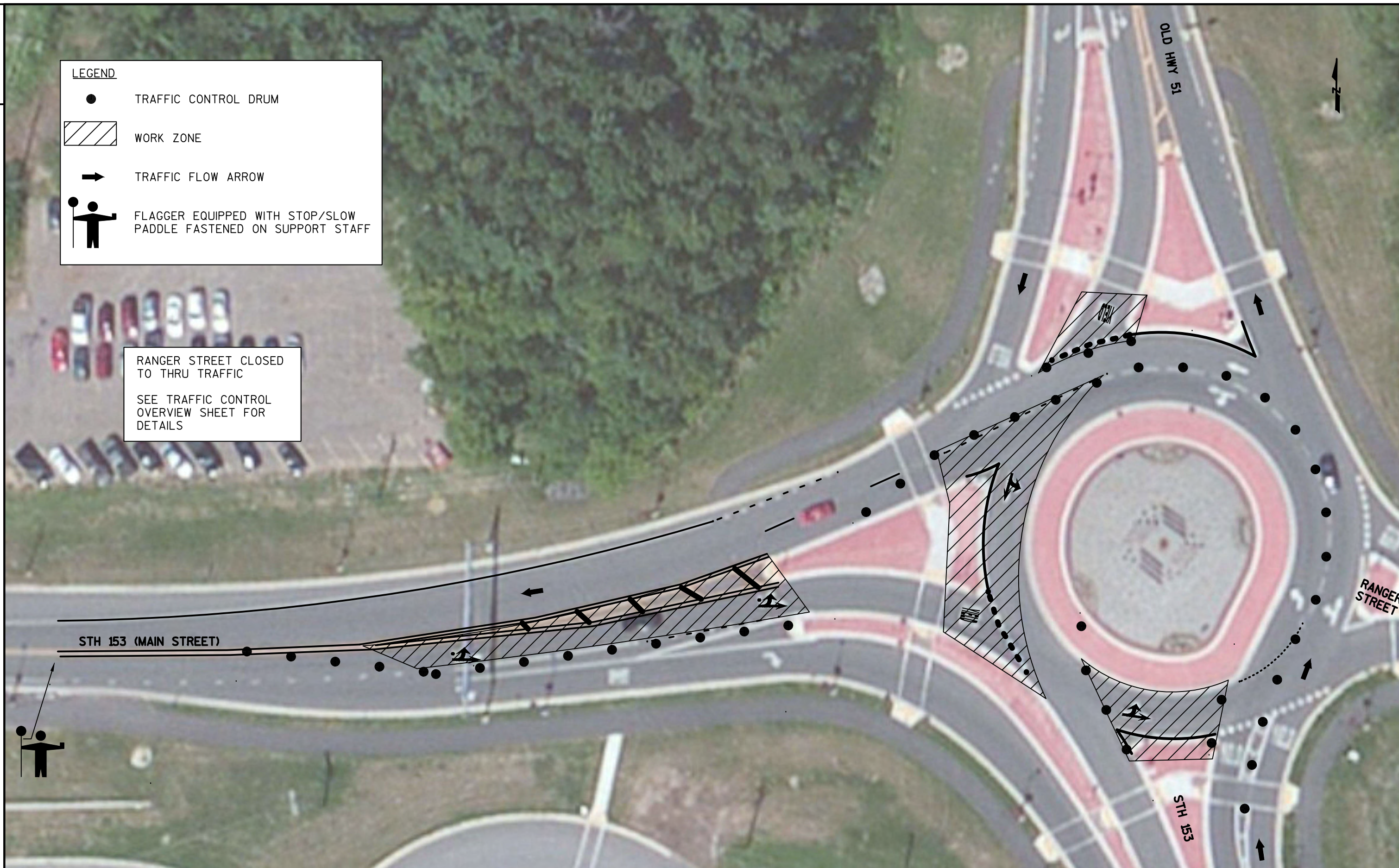
TRAFFIC FLOW ARROW



FLAGGER EQUIPPED WITH STOP/SLOW
PADDLE FASTENED ON SUPPORT STAFF

RANGER STREET CLOSED
TO THRU TRAFFIC

SEE TRAFFIC CONTROL
OVERVIEW SHEET FOR
DETAILS



RANGER STREET

RANGER STREET CLOSED
TO THRU TRAFFICSEE TRAFFIC CONTROL
OVERVIEW SHEET FOR
DETAILS

LEGEND



TRAFFIC CONTROL DRUM



WORK ZONE



TRAFFIC FLOW ARROW

FLAGGER EQUIPPED WITH STOP/SLOW
PADDLE FASTENED ON SUPPORT STAFF

STH 153

BROWN STREET

STH 153

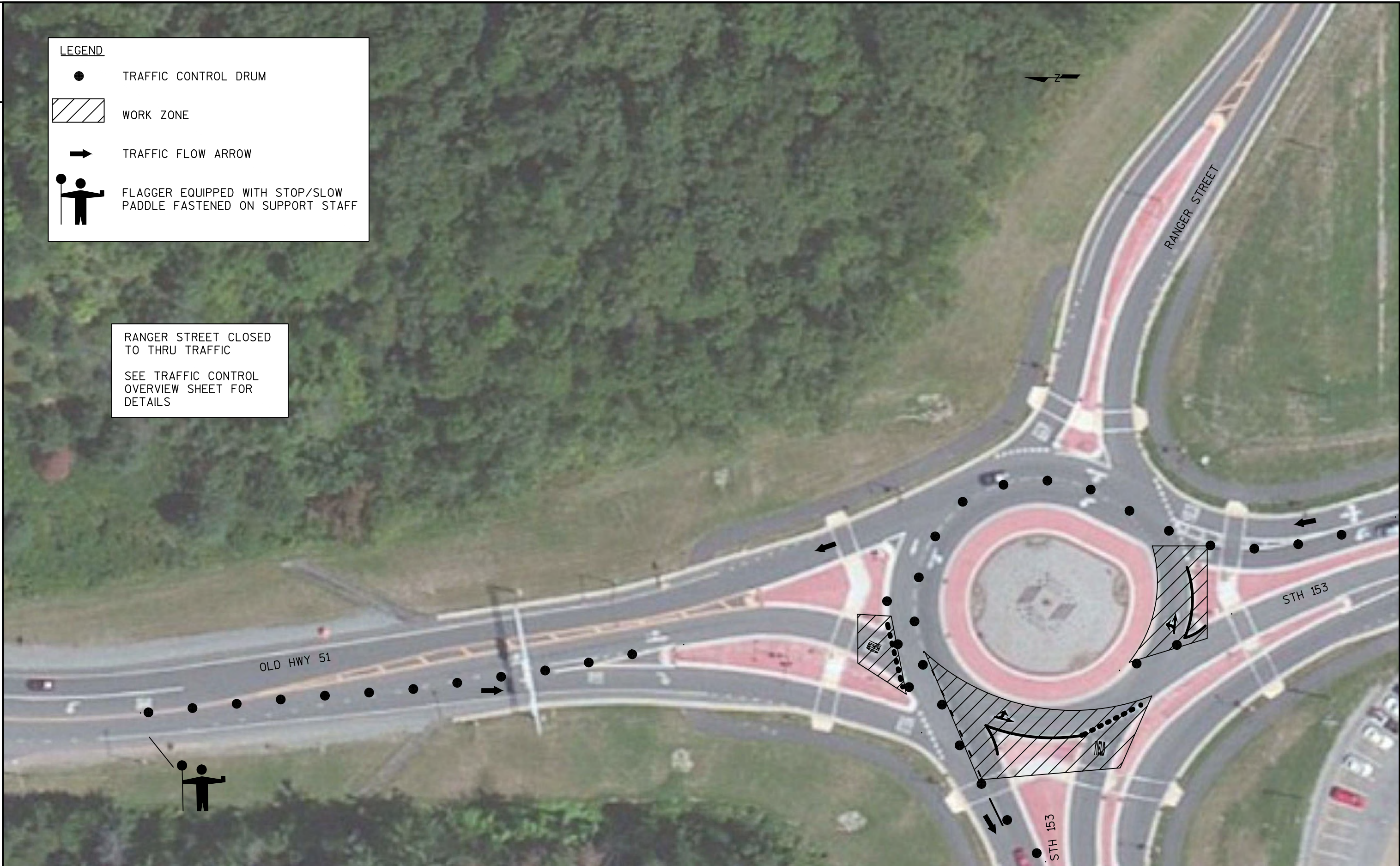


LEGEND

- TRAFFIC CONTROL DRUM
- ▨ WORK ZONE
- ➔ TRAFFIC FLOW ARROW
- 🚧 FLAGGER EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

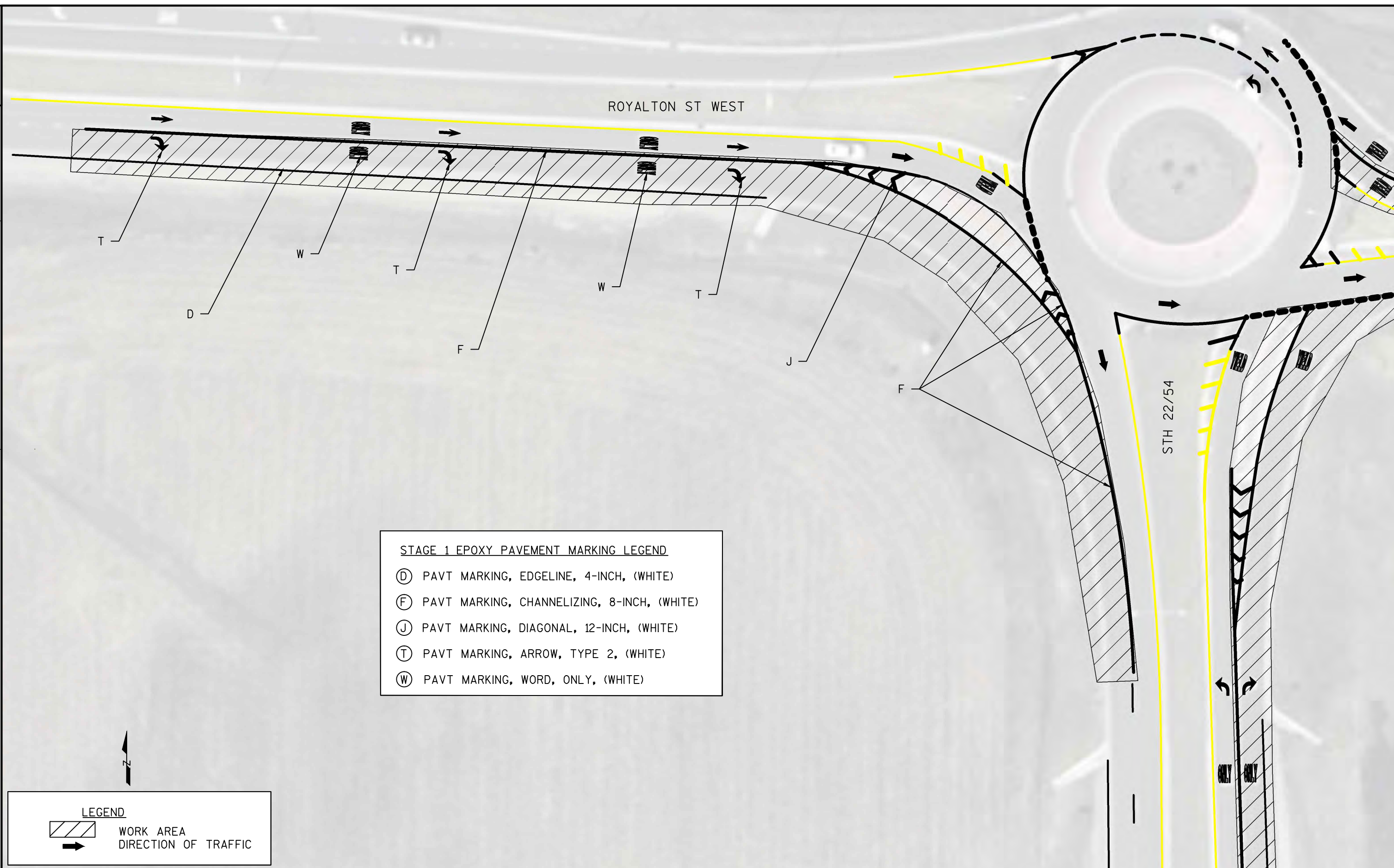
RANGER STREET CLOSED
TO THRU TRAFFIC

SEE TRAFFIC CONTROL
OVERVIEW SHEET FOR
DETAILS



2







2

2

ROYALTON ST WEST

STH 22/54

STH 22/54

STAGE 2 EPOXY PAVEMENT MARKING LEGEND

- Ⓓ PAVT MARKING, EDGELINE, 4-INCH, (WHITE)
- Ⓔ PAVT MARKING, EDGELINE, 4-INCH, (YELLOW)
- Ⓕ PAVT MARKING, CHANNELIZING, 8-INCH, (WHITE)
- Ⓗ PAVT MARKING, DIAGONAL, 12-INCH, (YELLOW)
25-FT SPACING
- Ⓙ PAVT MARKING, DIAGONAL, 12-INCH, (WHITE)
- Ⓚ PAVT MARKING, DOTTED EDGELINE EXTENSION, 16-INCH, (WHITE)
3-FOOT DASH, 3-FOOT GAP
- Ⓡ PAVT MARKING, ARROW, TYPE 1, (WHITE)
- Ⓣ PAVT MARKING, ARROW, TYPE 2, (WHITE)
- Ⓦ PAVT MARKING, WORD, ONLY, (WHITE)
- Ⓨ PAVT MARKING, WORD, YIELD, (WHITE)

LEGEND

 WORK AREA
 DIRECTION OF TRAFFIC

PROJECT NO:1009-42-41

HWY:STH 22

COUNTY:WAUPACA

STAGE 2 - PAVEMENT MARKING

SHEET

E

FILE NAME : N:\PDS\C3D\10094241\SHEETSPLAN\026002_S2.DWG
LAYOUT NAME - 026004_S2

PLOT DATE : 1/13/2015 3:30 PM

PLOT BY : OLSEN, REBECCA J

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDs SHEET 42

DATE 26JAN15			E S T I M A T E O F Q U A N T I T I E S			
LINE						1009-42-41
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	643.0300	Traffic Control Drums	DAY	150.000	150.000	
0040	643.0420	Traffic Control Barricades Type III	DAY	2.000	2.000	
0050	643.0800	Traffic Control Arrow Boards	DAY	3.000	3.000	
0060	643.0900	Traffic Control Signs	DAY	21.000	21.000	
0070	643.1050	Traffic Control Signs PCMS	DAY	48.000	48.000	
0080	643.1055.S	Truck or Trailer Mounted Attenuator 01.	DAY	6.000	6.000	
		1009-42-41				
0090	646.0106	Pavement Marking Epoxy 4-Inch	LF	2,115,320.000	2,115,320.000	
0100	646.0126	Pavement Marking Epoxy 8-Inch	LF	50,138.000	50,138.000	
0110	646.0146	Pavement Marking Epoxy 16-Inch	LF	90.000	90.000	
0120	646.0156	Pavement Marking Epoxy 18-Inch	LF	95.000	95.000	
0130	647.0146	Pavement Marking Arrows Epoxy Type 6	EACH	2.000	2.000	
0140	647.0156	Pavement Marking Arrows Epoxy Type 1	EACH	3.000	3.000	
0150	647.0160	Pavement Marking Arrows Epoxy Type 2R	EACH	2.000	2.000	
0160	647.0166	Pavement Marking Arrows Epoxy Type 2	EACH	73.000	73.000	
0170	647.0170	Pavement Marking Arrows Epoxy Type 3R	EACH	2.000	2.000	
0180	647.0176	Pavement Marking Arrows Epoxy Type 3	EACH	12.000	12.000	
0190	647.0356	Pavement Marking Words Epoxy	EACH	39.000	39.000	
0200	647.0456	Pavement Marking Curb Epoxy	LF	116.000	116.000	
0210	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	451.000	451.000	
0220	647.0606	Pavement Marking Island Nose Epoxy	EACH	5.000	5.000	
0230	647.0716	Pavement Marking Diagonal Epoxy 8-Inch	LF	56.000	56.000	
0240	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	4,246.000	4,246.000	
0250	647.0746	Pavement Marking Diagonal Epoxy 24-Inch	LF	1,503.000	1,503.000	
0260	647.0803	Pavement Marking Aerial Enforcement Bars Epoxy 24-Inch	LF	60.000	60.000	
0270	647.0856	Pavement Marking Concrete Corrugated Median Epoxy	SF	1,795.000	1,795.000	

3

<div>TRAFFIC CONTROL</div> <div>643.0100 PROJECT EACH</div> <div>1009-42-411</div> <div>TOTALS1</div>		<div>TRAFFIC CONTROL DRUMS</div> <div>643.0300 TOTAL DAYS</div> <table><thead><tr><th>LOCATION</th><th>NUMBER REQUIRED</th><th>DAYS NEEDED</th><th>TOTAL DAYS</th><th>REMARKS</th></tr></thead><tbody><tr><td>STH 22/54</td><td>25</td><td>1</td><td>25</td><td>WAUPACA ROUNDABOUT TRAFFIC CONTROL</td></tr><tr><td>ROYALTON STREET W</td><td>25</td><td>1</td><td>25</td><td>WAUPACA ROUNDABOUT TRAFFIC CONTROL</td></tr><tr><td>STH 22/54 (ROYALTON STREET E)</td><td>25</td><td>1</td><td>25</td><td>WAUPACA ROUNDABOUT TRAFFIC CONTROL</td></tr><tr><td colspan="4"></td><td></td></tr><tr><td>STH 153</td><td>25</td><td>1</td><td>25</td><td>MOSINEE ROUNDABOUT TRAFFIC CONTROL</td></tr><tr><td>STH 153</td><td>25</td><td>1</td><td>25</td><td>MOSINEE ROUNDABOUT TRAFFIC CONTROL</td></tr><tr><td>OLD HWY 51</td><td>25</td><td>1</td><td>25</td><td>MOSINEE ROUNDABOUT TRAFFIC CONTROL</td></tr><tr><td colspan="3">TOTAL</td><td>150</td><td></td></tr></tbody></table>				LOCATION	NUMBER REQUIRED	DAYS NEEDED	TOTAL DAYS	REMARKS	STH 22/54	25	1	25	WAUPACA ROUNDABOUT TRAFFIC CONTROL	ROYALTON STREET W	25	1	25	WAUPACA ROUNDABOUT TRAFFIC CONTROL	STH 22/54 (ROYALTON STREET E)	25	1	25	WAUPACA ROUNDABOUT TRAFFIC CONTROL						STH 153	25	1	25	MOSINEE ROUNDABOUT TRAFFIC CONTROL	STH 153	25	1	25	MOSINEE ROUNDABOUT TRAFFIC CONTROL	OLD HWY 51	25	1	25	MOSINEE ROUNDABOUT TRAFFIC CONTROL	TOTAL			150		<div>TRAFFIC CONTROL</div> <div>643.0800 ARROW BOARDS</div> <table><thead><tr><th>LOCATION</th><th>DAYS</th><th>REMARKS</th></tr></thead><tbody><tr><td>STH 22/54</td><td>1</td><td>NORTHBOUND</td></tr><tr><td>ROYALTON S1</td><td>1</td><td>EASTBOUND</td></tr><tr><td>STH 22/54</td><td>1</td><td>WESTBOUND</td></tr><tr><td colspan="2">TOTAL</td><td>3</td></tr></tbody></table>		LOCATION	DAYS	REMARKS	STH 22/54	1	NORTHBOUND	ROYALTON S1	1	EASTBOUND	STH 22/54	1	WESTBOUND	TOTAL		3															
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PROJECT NO: 1009-42-41		HWY: VAR	COUNTY: NC REGION WIDE	MISCELLANEOUS QUANTITIES	SHEET: E																																																																													

TRAFFIC CONTROL SIGNS PCMS

LOCATION		MESSAGE	MESSAGE	DAYS NEEDED	643.1050 TOTAL DAYS	REMARKS
STH 22	SE QUAD STH 22/54 AND	STH 22/54	DAY-7PM	7	7	(7 DAYS PRIOR
LOCATION 1:	HARRINGTON RD INTERSECTION	EXPECT	TO			TO CLOSURE)
		DELAYS	DAY-5AM			
STH 22	SE QUAD STH 22/54 AND	STH 22/54	EXPECT	1	1	(DURING CLOSURE)
LOCATION 1:	HARRINGTON RD INTERSECTION	TEMP	15 MIN			
		CLOSURE	DELAY			
STH 22	SW QUAD ROYALTON ST WEST	STH 22/54	DAY-7PM	7	7	(7 DAYS PRIOR
LOCATION 2:	AND S INDUSTRIAL DR	EXPECT	TO			TO CLOSURE)
		DELAYS	DAY-5AM			
STH 22	SW QUAD ROYALTON ST WEST	STH 22/54	EXPECT	1	1	(DURING CLOSURE)
LOCATION 2:	AND S INDUSTRIAL DR	TEMP	15 MIN			
		CLOSURE	DELAY			
STH 22	NE QUAD STH 22/54 AND SUNNY	STH 22/54	DAY-7PM	7	7	(7 DAYS PRIOR
LOCATION 3:	VIEW RD	EXPECT	TO			TO CLOSURE)
		DELAYS	DAY-5AM			
STH 22	NE QUAD STH 22/54 AND SUNNY	STH 22/54	EXPECT	1	1	(DURING CLOSURE)
LOCATION 3:	VIEW RD	TEMP	15 MIN			
		CLOSURE	DELAY			
STH 153	MAIN STREET	STH 153	DAY-7PM	7	7	(7 DAYS PRIOR
LOCATION 1:		EXPECT	TO			TO CLOSURE)
		DELAYS	DAY-5AM			
STH 153	MAIN STREET	STH 153	EXPECT	1	1	(DURING CLOSURE)
LOCATION 1:		TEMP	15 MIN			
		CLOSURE	DELAY			
STH 153	NE QUAD STH 153 AND	STH 153	DAY-7PM	7	7	(7 DAYS PRIOR
LOCATION 2:	BROWN STREET	EXPECT	TO			TO CLOSURE)
		DELAYS	DAY-5AM			
STH 153	NE QUAD STH 153 AND	STH 153	EXPECT	1	1	(DURING CLOSURE)
LOCATION 2:	BROWN STREET	TEMP	15 MIN			
		CLOSURE	DELAY			
STH 153	OLD HWY 51 & DEPOT STREET	STH 153	DAY-7PM	7	7	(7 DAYS PRIOR
LOCATION 3:	INTERSECTION	EXPECT	TO			TO CLOSURE)
		DELAYS	DAY-5AM			
STH 153	OLD HWY 51 & DEPOT STREET	STH 153	EXPECT	1	1	(DURING CLOSURE)
LOCATION 3:	INTERSECTION	TEMP	15 MIN			
		CLOSURE	DELAY			
TOTAL					48	

PAVEMENT MARKING

	646.0106 EPOXY 4-INCH YELLOW/WHITE LF		646.0126 EPOXY 8-INCH WHITE LF	646.0146 EPOXY 16-INCH WHITE LF	646.0156 EPOXY 18-INCH WHITE LF	647.0146 ARROWS EPOXY TYPE 6 WHITE EACH	647.0156 ARROWS EPOXY TYPE 1 WHITE EACH	647.0160 ARROWS EPOXY TYPE 2R WHITE EACH	647.0166 ARROWS EPOXY TYPE 2 WHITE EACH	647.0170 ARROWS EPOXY TYPE 3R WHITE EACH	647.0176 ARROWS EPOXY TYPE 3 WHITE EACH	647.0356 WORDS EPOXY "ONLY" *YIELD WHITE WHITE EACH EACH		647.0456 CURB EPOXY YELLOW LF	647.0566 STOP LINE EPOXY 18-INCH WHITE LF	647.0606 ISLAND NOSE EPOXY YELLOW EACH	647.0716 DIAGONAL EPOXY 8-INCH WHITE LF	647.0726 DIAGONAL EPOXY 12-INCH YELLOW/WHITE LF LF		647.0746 DIAGONAL EPOXY 24-INCH WHITE/YELLOW LF LF		647.0803 AERIAL ENFORCEMENT BARS EPOXY 24-INCH WHITE LF	647.0856 CONCRETE CORRUGATED MEDIAN EPOXY YELLOW SF
SEGMENT 1: STH 22 (WAUPACA COUNTY)																							
STH 22 NB (800 FT SOUTH OF USH 10/22)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	177	---	---	---	---
STH 22/54 NB (USH 10 TO STH 22/54/110)	---	647	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 NB (USH 10 TO STH 22/54/110)	---	36482	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 (ROUNDAABOUT)	---	---	1317	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 (ROUNDAABOUT)	---	150	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 (ROUNDAABOUT)	---	---	120	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 NB AND SB (JCT APPLE TREE LANE)	---	---	900	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 NB AND SB (JCT GODFREY DR)	---	---	850	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 (JCT 110)	---	---	211	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 (USH 10 RIGHT TURN ISLAND)	---	---	317	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 NB (USH 10 TO STH 22/54/110)	1491	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 NB (USH 10 TO STH 22/54/110)	10494	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 NB (USH 10 TO STH 22/54/110)	10560	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 NB (USH 10 TO STH 22/54/110)	36543	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 SB (STH 22/54/110 TO USH 10)	---	211	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 SB (STH 22/54/110 TO USH 10)	---	32101	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22 SB (STH 54 RIGHT TURN ISLAND)	---	---	106	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22/54 SB (JCT CTH KK)	---	---	264	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
STH 22 & 54 ROUNDAABOUT	---	---	---	90	---	---	2	---	8	---	---	4	4	---	---	---	---	---	80	---	---	---	
Segment 1 Sub-Total:	128679		4085	90	0	0	2	0	8	0	0	8		0	0	0	0	257		0		0	0

SEGMENT 2: STH 29 (USH 45 EXIT - MILE MARKER 199 TO STH 156) (SHAWANO COUNTY)																						
STH 29 EB (USH 45 EXIT 198 TO BROWN CO. LINE)	256353	64877	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	60	---
STH 29 EB (USH 45 EXIT 198 TO BROWN CO. LINE)	---	250015	9900	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STH 29 EB (USH 45 EXIT 198 TO BROWN CO. LINE)	---	---	8800	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STH 29 EB (USH 45 EXIT 198 TO BROWN CO. LINE)	---	106	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STH 29 EB (USH 45 EXIT 198 TO BROWN CO. LINE)	---	---	7200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STH 29 WB (USH 45 EXIT 198 TO BROWN CO. LINE)	260412	317504	16525	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STH 29 EB (JCT CTH O)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24	---	---	---	---	---	---	---
STH 29 (JCT CTH J)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	44	---	---	---	---	---	---	---
STH 29 (JCT CTH D)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	23	---	---	---	---	---	---	---
STH 29 (W JCT CTH G)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21	---	---	---	---	---	---	---
STH 29 (E JCT CTH G)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21	---	---	---	---	---	---	---
STH 29 (E JCT CTH D)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24	---	---	---	---	---	---	---
STH 29 (JCT CTH U)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	36	---	---	---	---	---	---	---
STH 29 (JCT CTH M)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18	---	---	---	---	---	---	---
STH 29 (OFF RAMP EXIT 225)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	390	---	---
STH 29 (OFF RAMP EXIT 227)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	389	---	---
STH 29 (OFF RAMP EXIT 234)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	331	---	---
STH 29 (JCT CTH BE)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	25	---	---	---	---	---	---	---
STH 29 (JCT CTH F)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	34	---	---	---	---	---	---	---
STH 29 (OFF RAMP EXIT 242)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	393	---	---
Segment 2 Sub-Total:	1149267		42425	0	0	0	0	0	0	0	0	0		0	270	0	0	0		1503	60	0

PAVEMENT MARKING

	646.0106 EPOXY 4-INCH YELLOW LF	WHITE LF	646.0126 EPOXY 8-INCH WHITE LF	646.0146 EPOXY 16-INCH WHITE LF	646.0156 EPOXY 18-INCH WHITE LF	647.0146 ARROWS EPOXY TYPE 6 WHITE EACH	647.0156 ARROWS EPOXY TYPE 1 WHITE EACH	647.0160 ARROWS EPOXY TYPE 2R WHITE EACH	647.0166 ARROWS EPOXY TYPE 2 WHITE EACH	647.0170 ARROWS EPOXY TYPE 3R WHITE EACH	647.0176 ARROWS EPOXY TYPE 3 WHITE EACH	647.0356 WORDS EPOXY *ONLY WHITE EACH	*YIELD WHITE EACH	647.0456 CURB EPOXY YELLOW LF	647.0566 STOP LINE EPOXY 18-INCH WHITE LF	647.0606 ISLAND NOSE EPOXY YELLOW EACH	647.0716 DIAGONAL EPOXY 8-INCH WHITE LF	647.0726 DIAGONAL EPOXY 12-INCH YELLOW LF	WHITE LF	WHITE LF	647.0746 DIAGONAL EPOXY 24-INCH WHITE LF	647.0803 AERIAL ENFORCEMENT BARS EPOXY 24-INCH WHITE LF	647.0856 CONCRETE CORRUGATED MEDIAN EPOXY YELLOW SF
SEGMENT 3: USH 51 (ONEIDA COUNTY)																							
USH 51 NB & SB (ROCKY RUN RD TO S BLUE LAKE RD)	43902	66826	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 NB (S BLUE LAKE RD TO PARK AVE)	---	9406	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 NB (S BLUE LAKE RD TO PARK AVE)	---	36200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 (JCT CTH D)	---	---	158	---	---	---	---	---	---	---	---	3	---	---	20	---	---	---	---	295	---	---	1795
USH 51 NB (S BLUE LAKE RD TO PARK AVE)	67134	---	---	---	---	---	---	---	49	---	---	---	---	---	---	---	---	3388	---	---	---	---	---
USH 51 NB (S BLUE LAKE RD TO PARK AVE)	3696	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 NB (S BLUE LAKE RD TO PARK AVE)	1320	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 NB (S BLUE LAKE RD TO PARK AVE)	21563	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 SB (PARK AVE TO S BLUE LAKE RD)	---	7785	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 SB (PARK AVE TO S BLUE LAKE RD)	---	35808	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 (JCT CTH Y)	---	---	211	---	---	---	---	---	---	---	---	---	---	---	18	---	---	---	---	---	---	---	---
USH 51 (JCT MILL RD)	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---
Segment 3 Sub-Total:	293640		369	0	0	0	0	0	49	0	0	4		0	38	0	0	3683		0		0	1795

SEGMENT 4: USH 51 (MLAS COUNTY)																							
USH 51 NB (3RD AVE TO CTH M)	924	2245	423	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 NB (3RD AVE TO CTH M)	4411	27635	793	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 NB (3RD AVE TO CTH M)	3505	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 NB (3RD AVE TO CTH M)	1591	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 NB (3RD AVE TO CTH M)	686	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 NB (3RD AVE TO CTH M)	23032	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 SB (CTH M TO 3RD AVE)	---	25089	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 SB (CTH M TO 3RD AVE)	792	2708	265	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 (JCT ST H 47)	---	---	---	---	---	---	---	---	13	0	8	18	---	116	143	5	---	41	---	---	---	---	---
Segment 4 Sub-Total:	92618		1481	0	0	0	0	0	13	0	8	18		116	143	5	0	41		0		0	0

PAVEMENT MARKING

	646.0106 EPOXY 4-INCH YELLOW LF		WHITE LF	646.0126 EPOXY 8-INCH WHITE LF	646.0146 EPOXY 16-INCH WHITE LF	646.0156 EPOXY 18-INCH WHITE LF	647.0146 ARROWS EPOXY TYPE 6 WHITE EACH	647.0156 ARROWS EPOXY TYPE 1 WHITE EACH	647.0160 ARROWS EPOXY TYPE 2R WHITE EACH	647.0166 ARROWS EPOXY TYPE 2 WHITE EACH	647.0170 ARROWS EPOXY TYPE 3R WHITE EACH	647.0176 ARROWS EPOXY TYPE 3 WHITE EACH	647.0356 WORDS EPOXY "ONLY" WHITE EACH	*YIELD WHITE EACH	647.0456 CURB EPOXY YELLOW LF	647.0566 STOP LINE EPOXY 18-INCH WHITE LF	647.0606 ISLAND NOSE EPOXY YELLOW EACH	647.0716 DIAGONAL EPOXY 8-INCH WHITE LF	647.0726 DIAGONAL EPOXY 12-INCH YELLOW LF	WHITE LF	WHITE LF	647.0746 DIAGONAL EPOXY 24-INCH WHITE LF	WHITE LF	647.0803 AERIAL ENFORCEMENT BARS EPOXY 24-INCH WHITE LF	647.0856 CONCRETE CORRUGATED MEDIAN EPOXY YELLOW SF
SEGMENT 5: USH 51 (IRON COUNTY)																									
USH 51 NB (STH 47 TO USH 2)	172974	135954	528	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
USH 51 SB (STH 47 TO USH 2)	---	135954	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Segment 5 Sub-Total:	444882		528	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

SEGMENT 6: STH 153 ROUNDABOUT (MARATHON COUNTY)																							
STH 153 ROUNDABOUT (MOSINEE)	2429	3805	1250	---	95	2	1	2	3	2	4	3	6	---	---	---	56	265	---	---	---	---	---
Segment 6 Sub-Total:	6234		1250	0	95	2	1	2	3	2	4	9		0	0	0	56	265	0		0	0	

	646.0106 LF	646.0126 LF	646.0146 LF	646.0156 LF	647.0146 EACH	647.0156 EACH	647.0160 EACH	647.0166 EACH	647.0170 EACH	647.0176 EACH	647.0356 EACH	647.0456 LF	647.0566 LF	647.0606 EACH	647.0716 LF	647.0726 LF	647.0746 LF	647.0803 LF	647.0856 LF
PROJECT TOTAL:	2115320	50138	90	95	2	3	2	73	2	12	39	116	451	5	56	4246	1503	60	1795

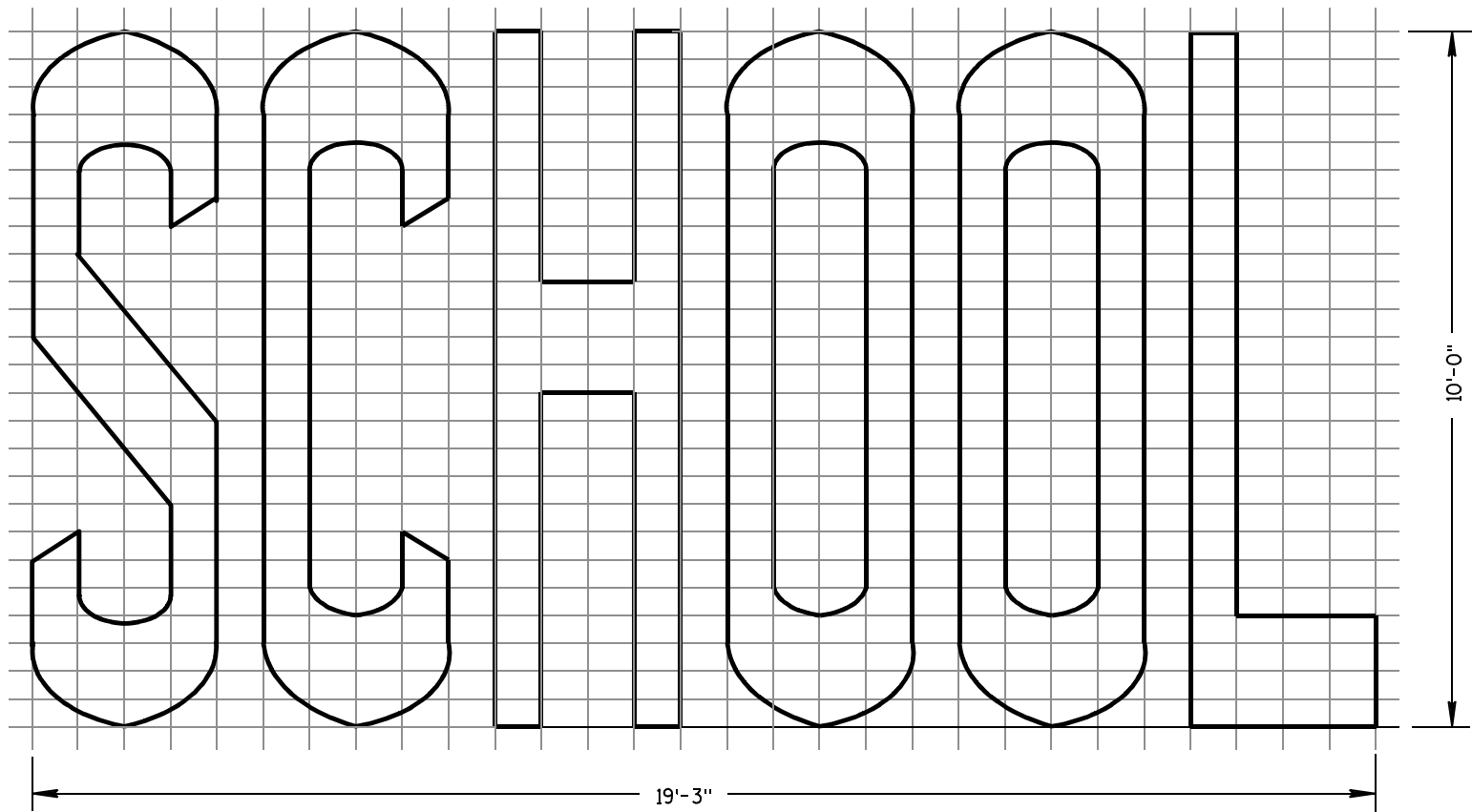
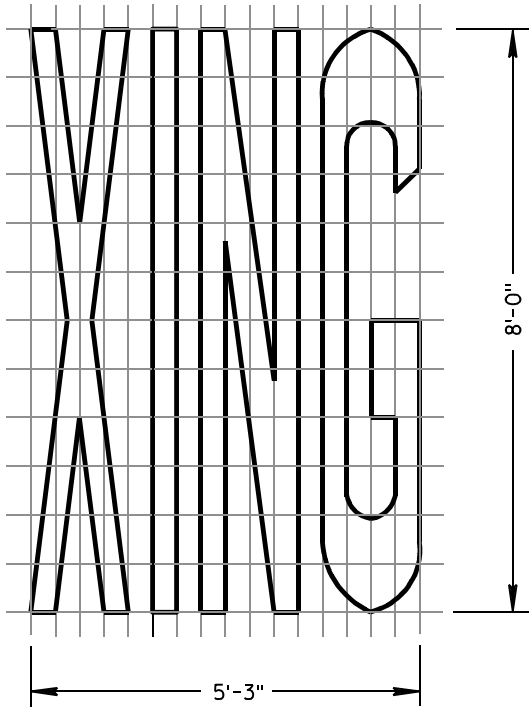
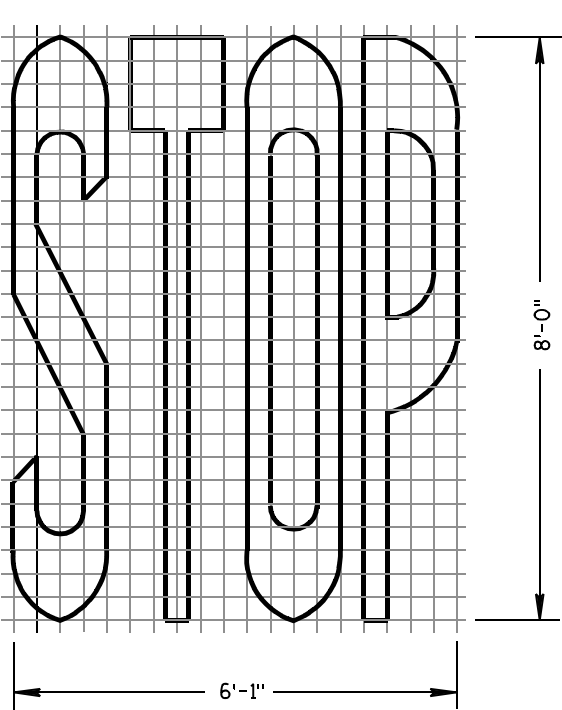
Standard Detail Drawing List

15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C07-12D	ROUNDBOUT 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)
15C14-01	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
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
15C31-01A	PAVEMENT MARKING (RAMPS AND GORES)
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING

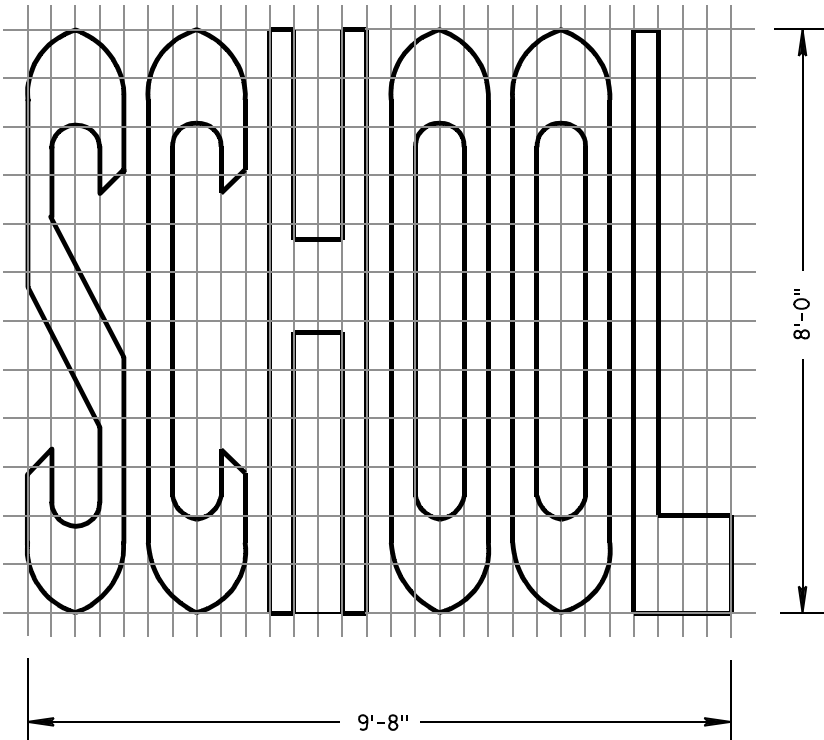
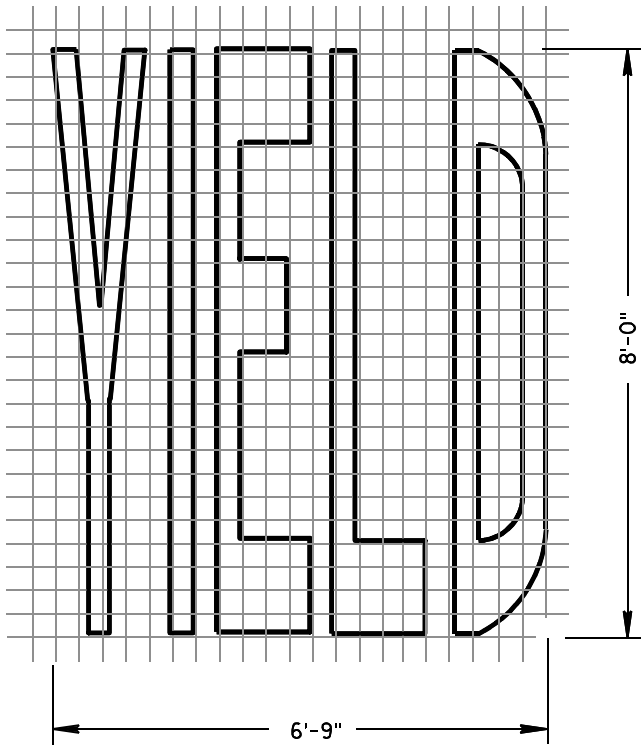
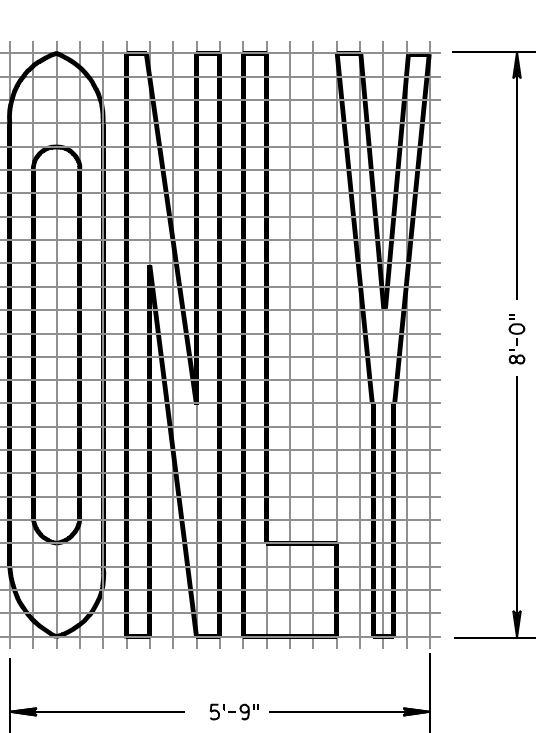
GENERAL NOTES

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.

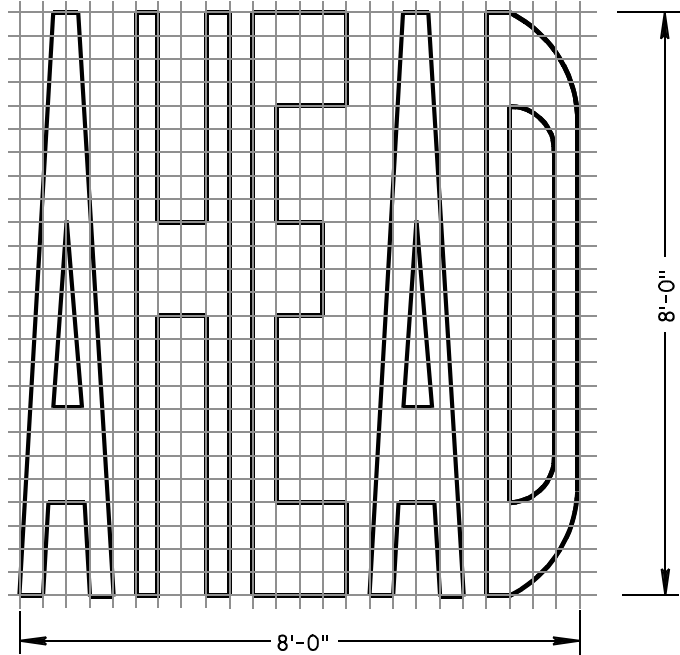
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES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



TWO-LANE



SINGLE-LANE



PAVEMENT MARKING WORDS

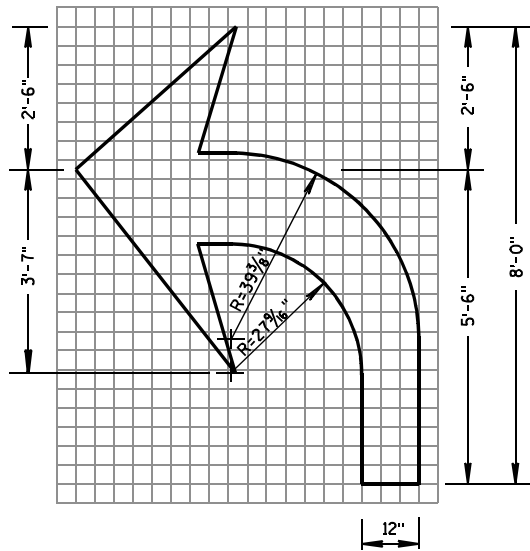
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

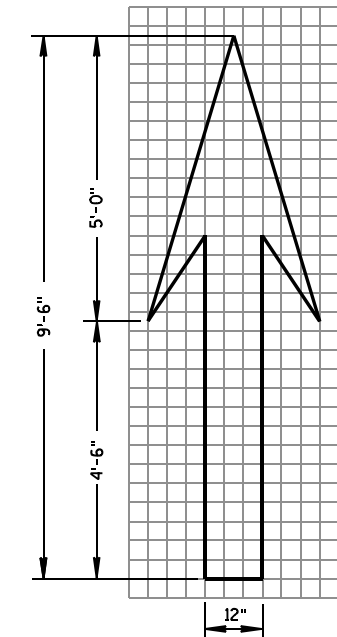
7-1-11
DATE

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

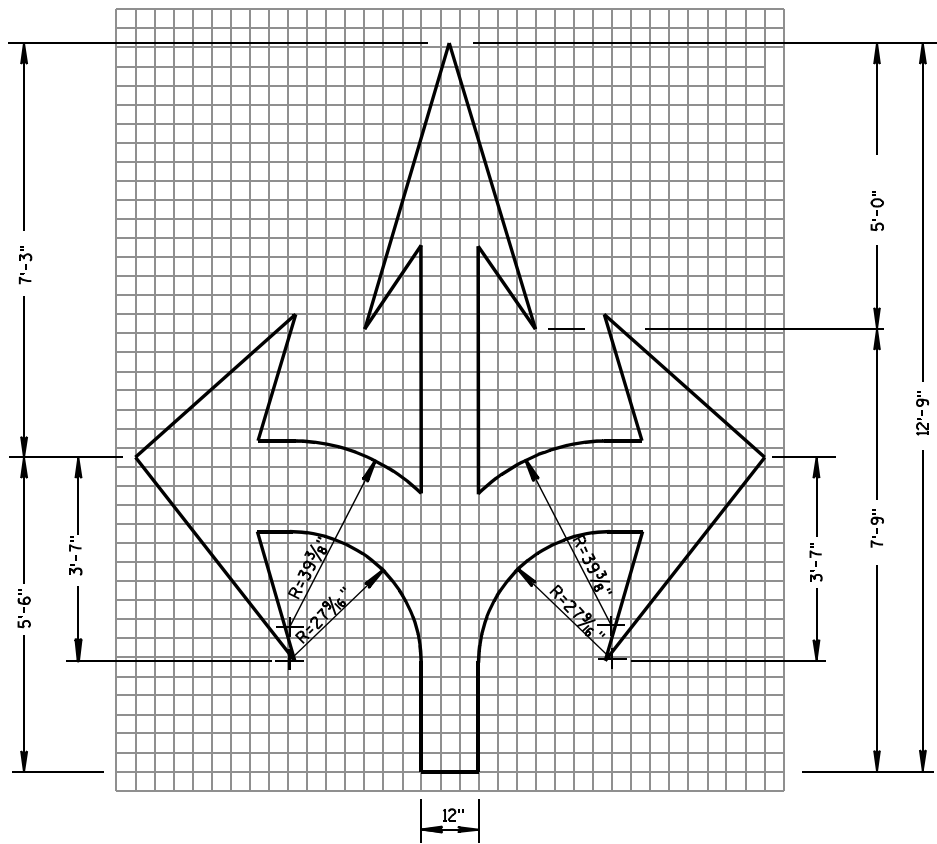
FHWA



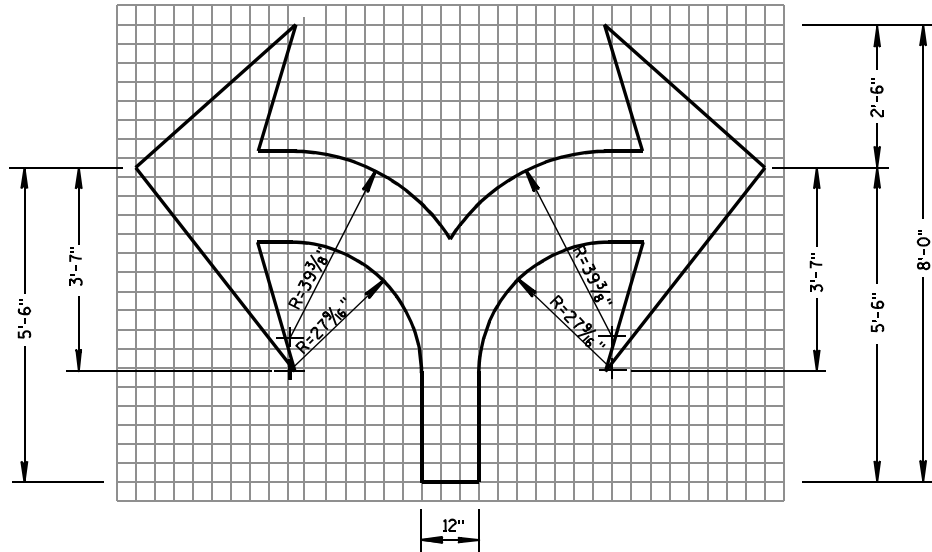
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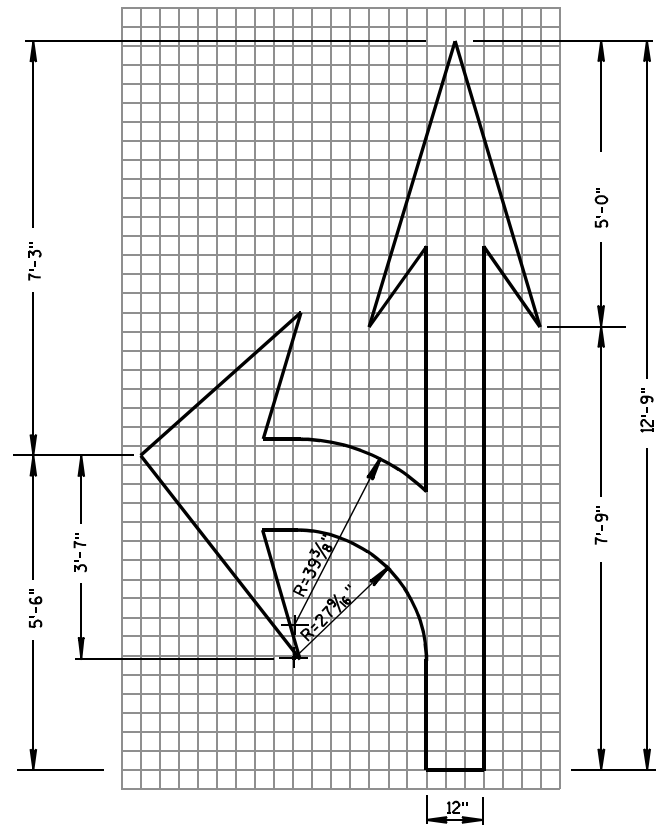
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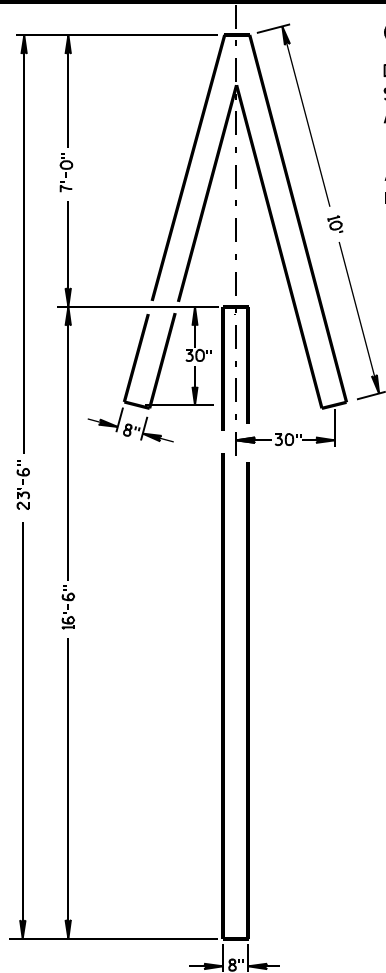
TYPE 6



TYPE 7



TYPE 3

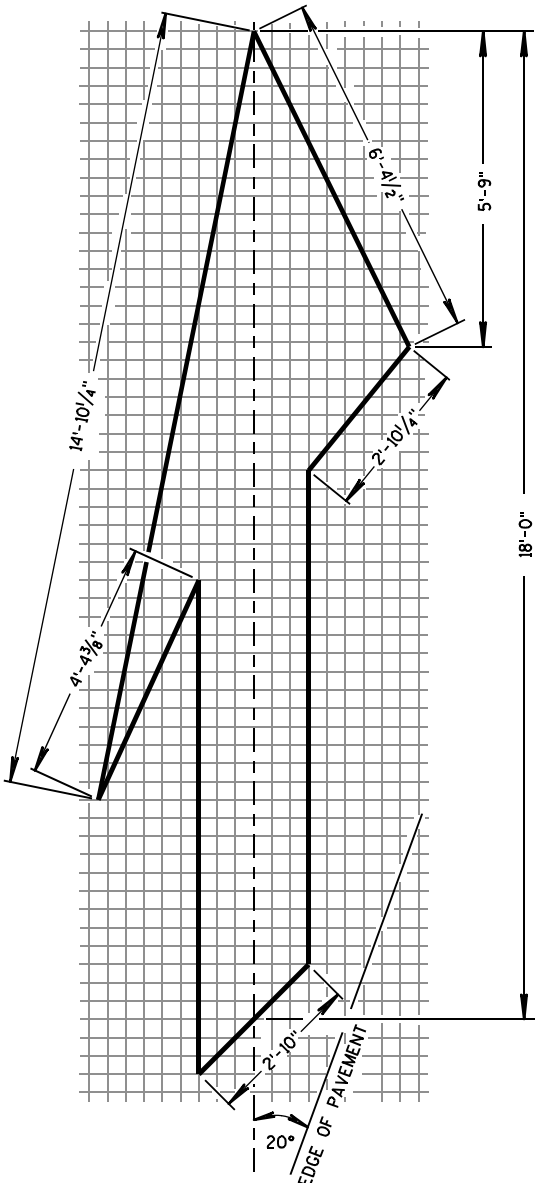


TYPE 4

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

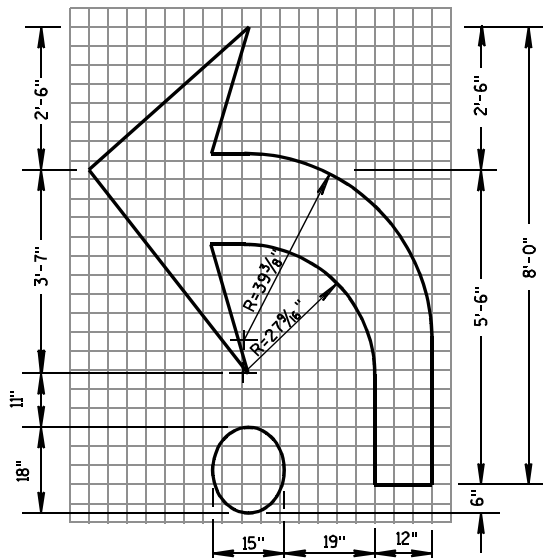
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

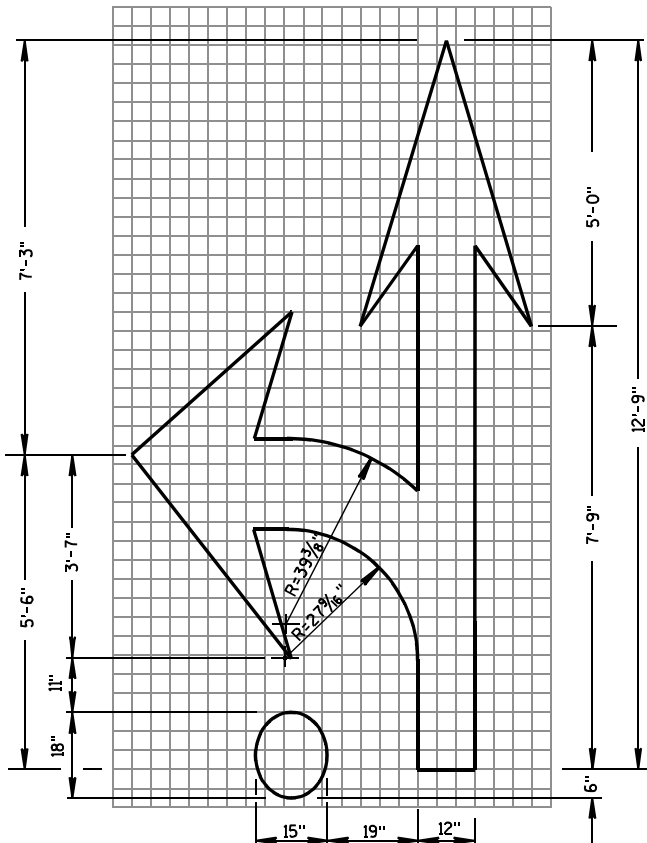
7/1/11
DATE

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

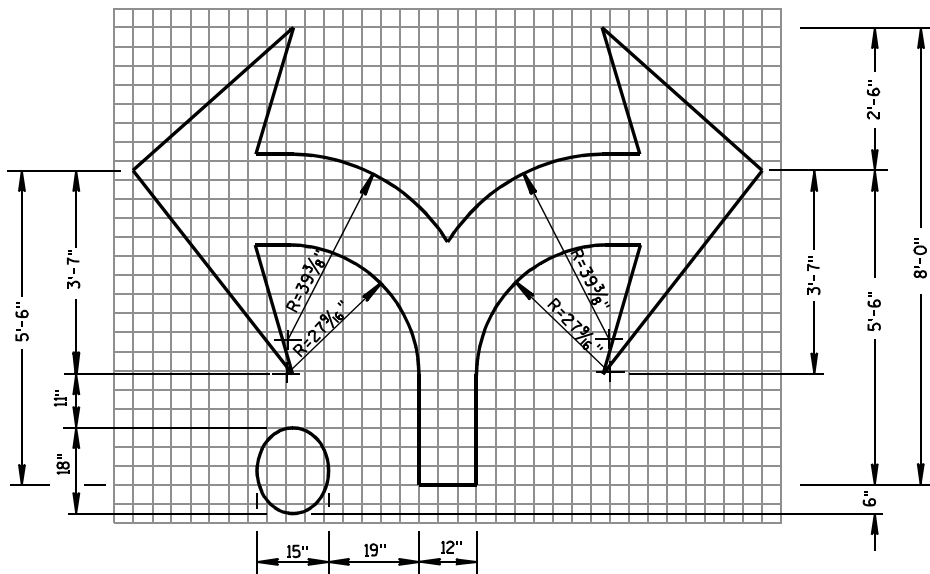
FHWA



TYPE 2R



TYPE 3R

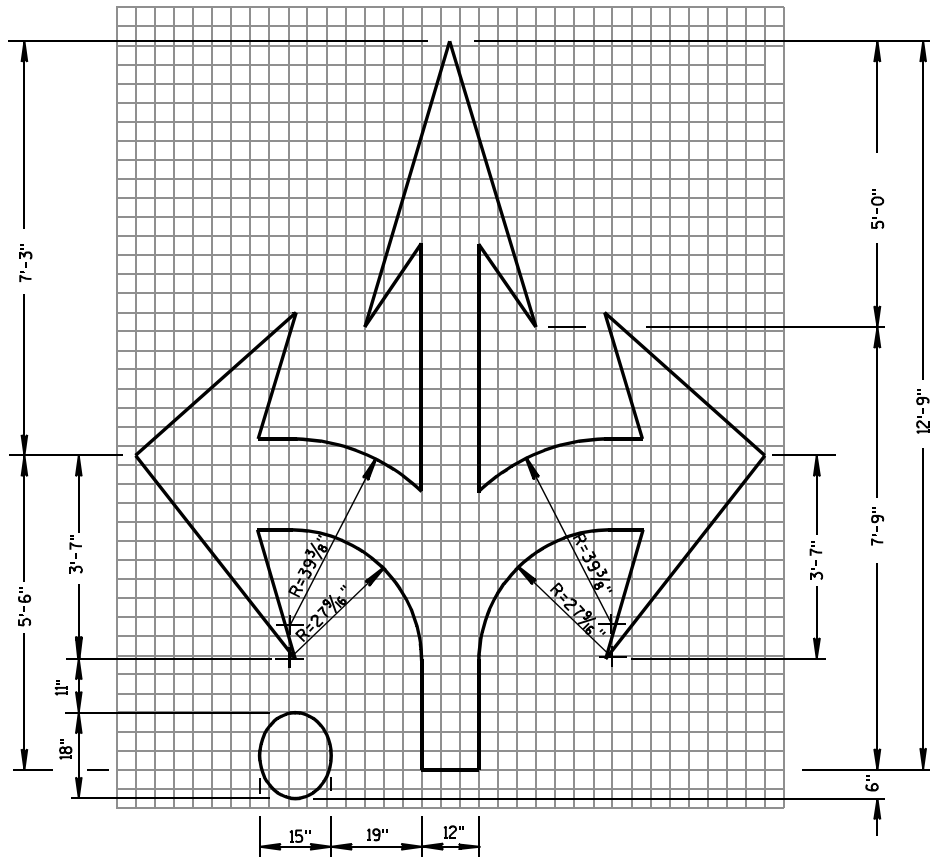


TYPE 7R

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 6R

ROUNDABOUT ARROWS

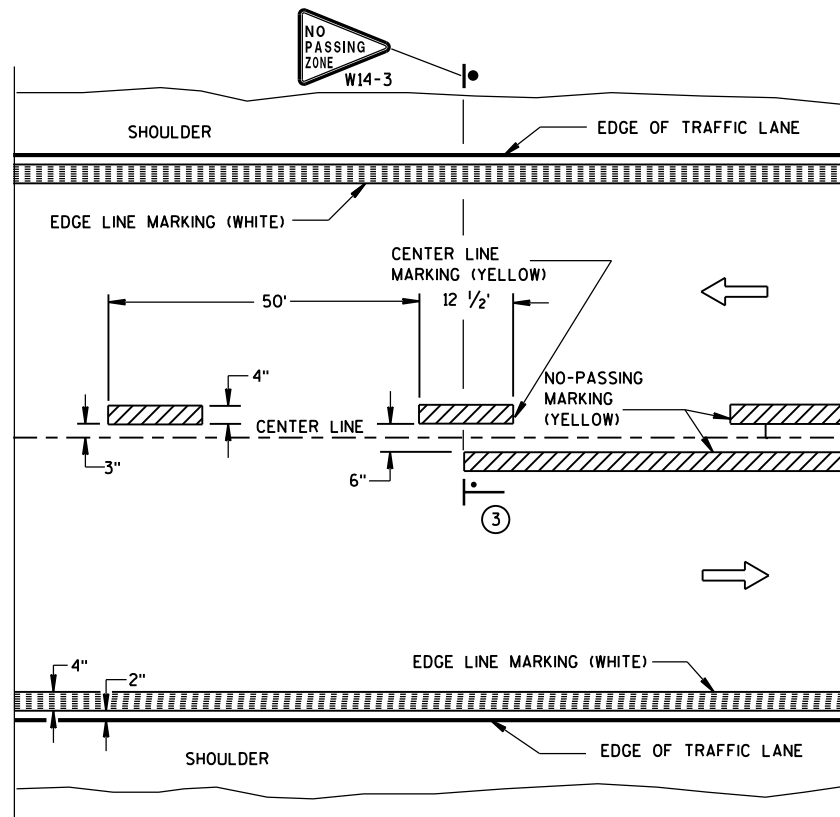
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

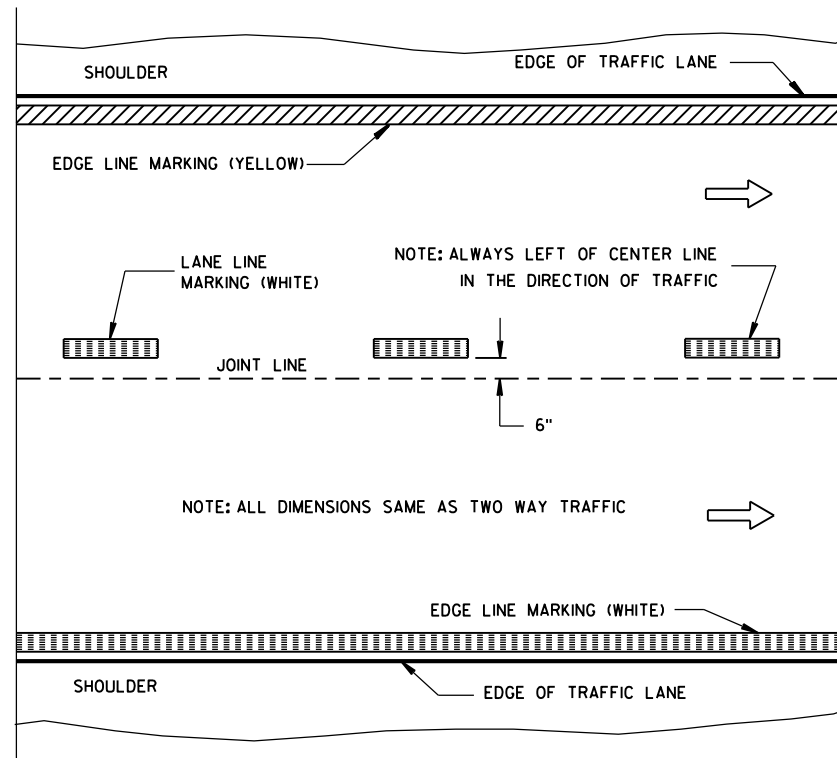
7/1/11
DATE

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

FHWA

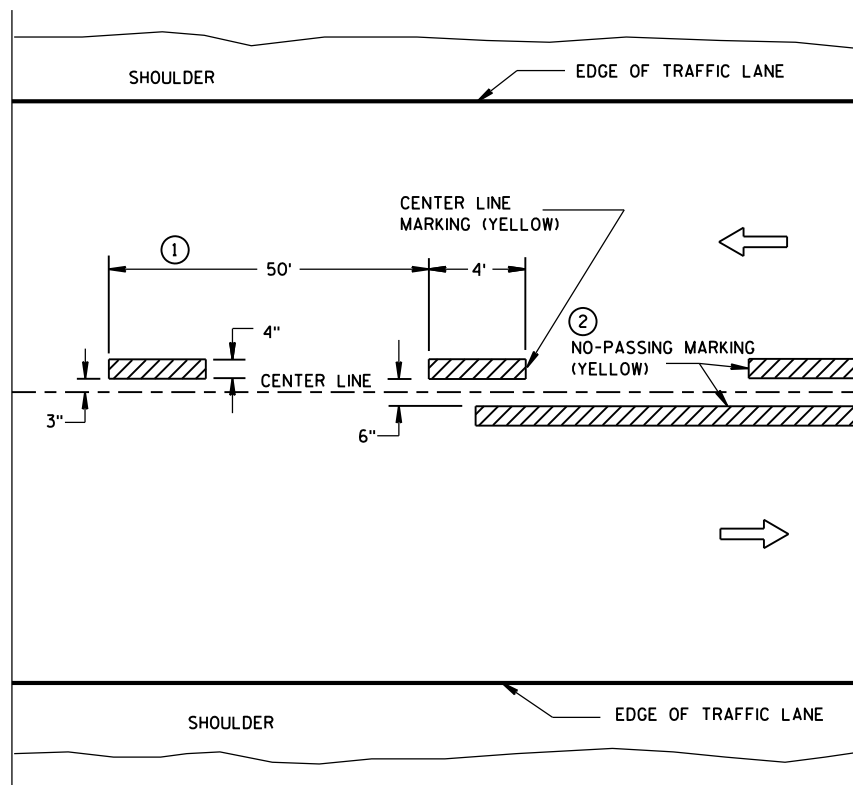


TWO WAY TRAFFIC

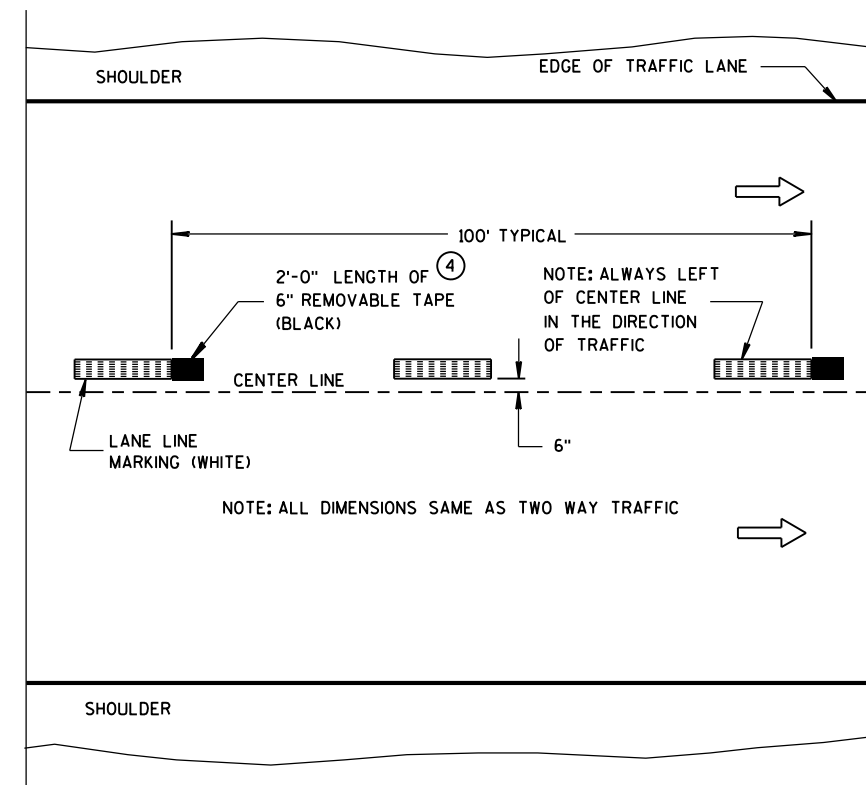


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

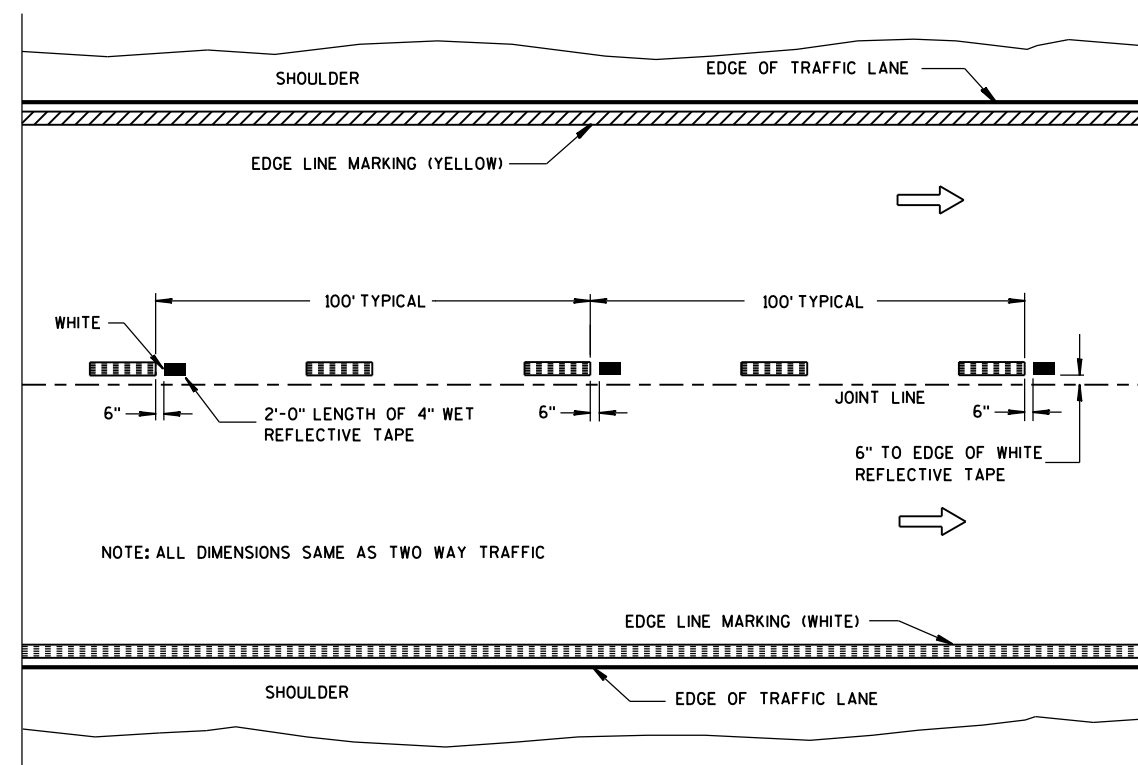
GENERAL NOTES

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

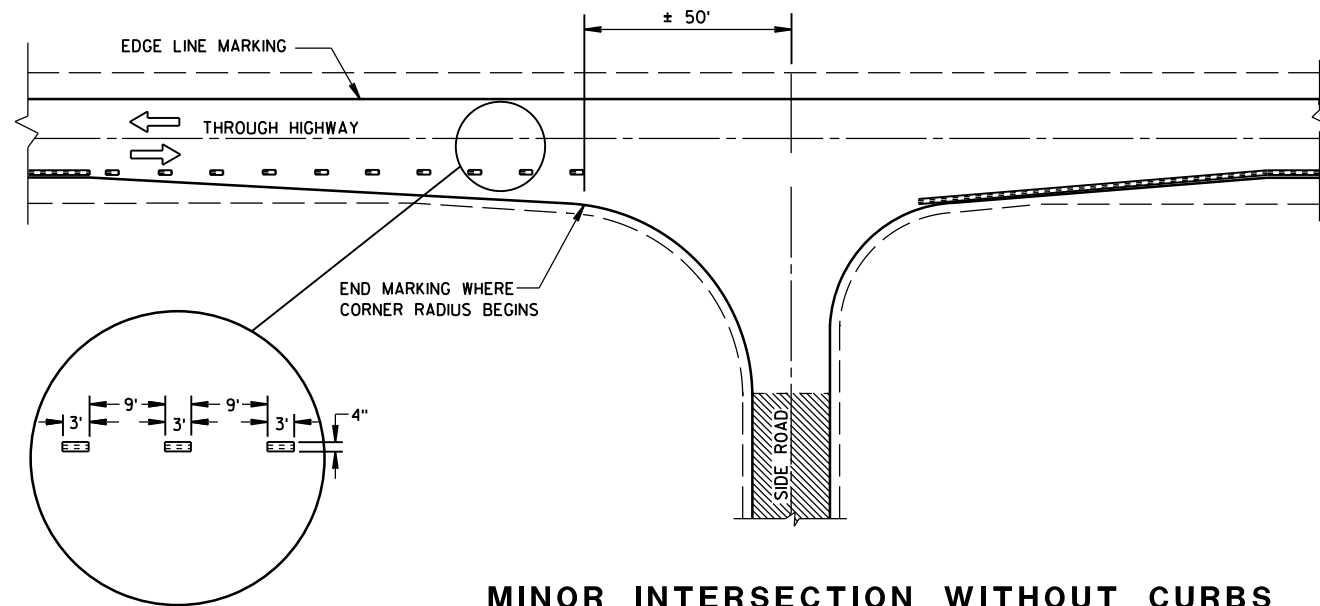
- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-2013
DATE
FHWA

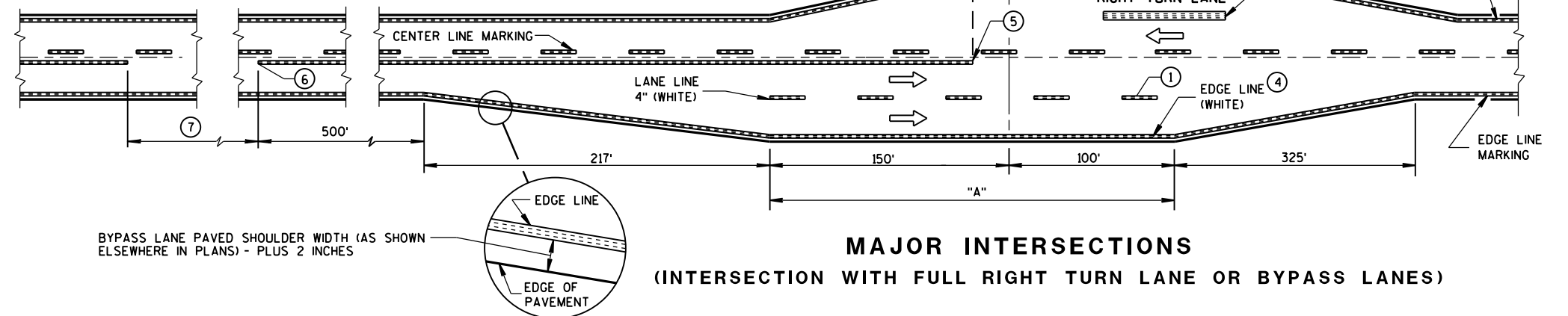
/S/ Travis Feltes
STATE TRAFFIC ENGINEER



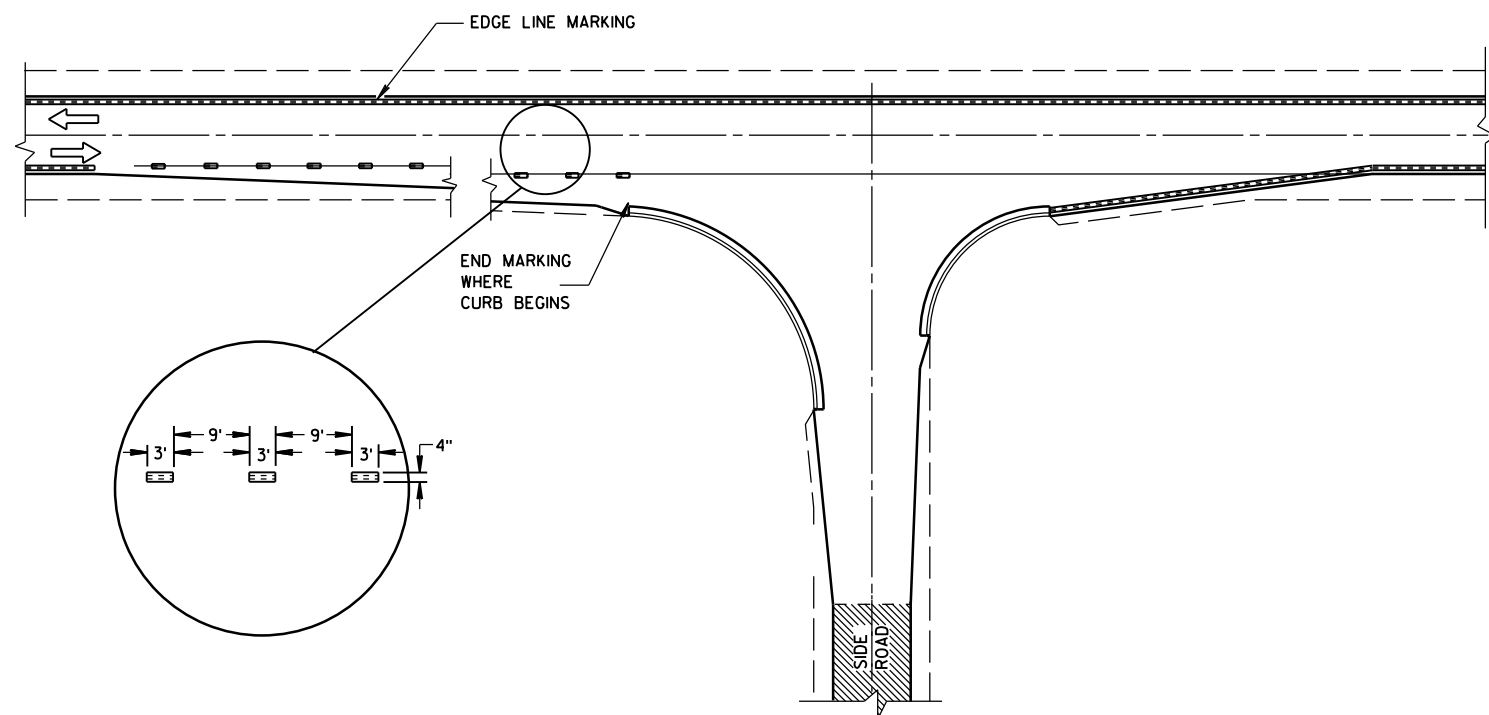
MINOR INTERSECTION WITHOUT CURBS

⑦

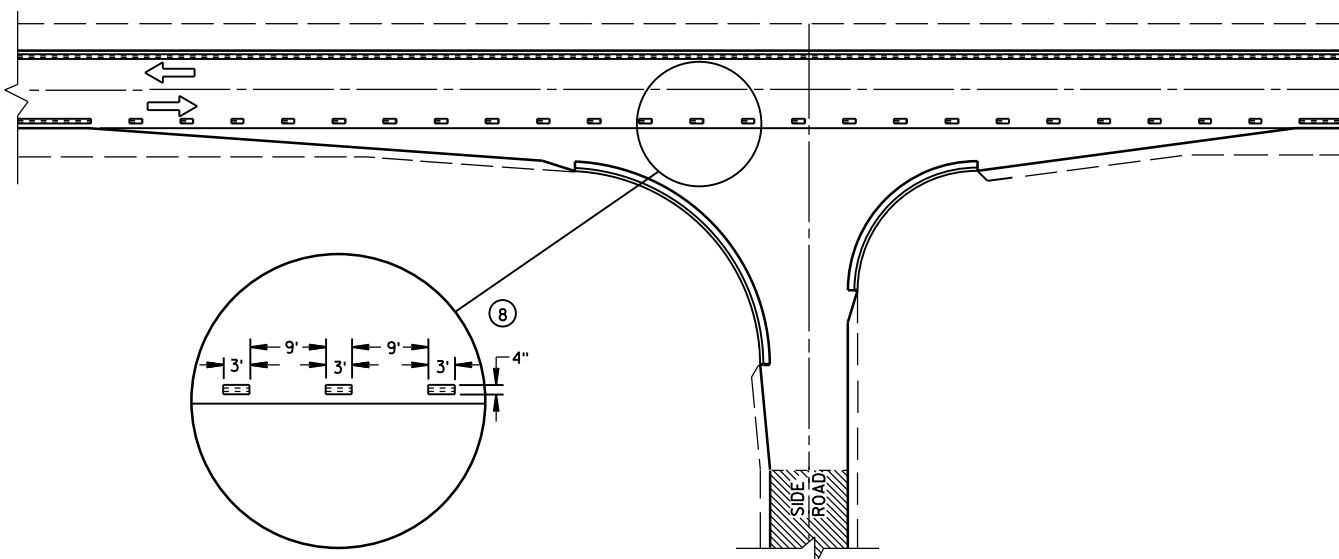
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



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



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



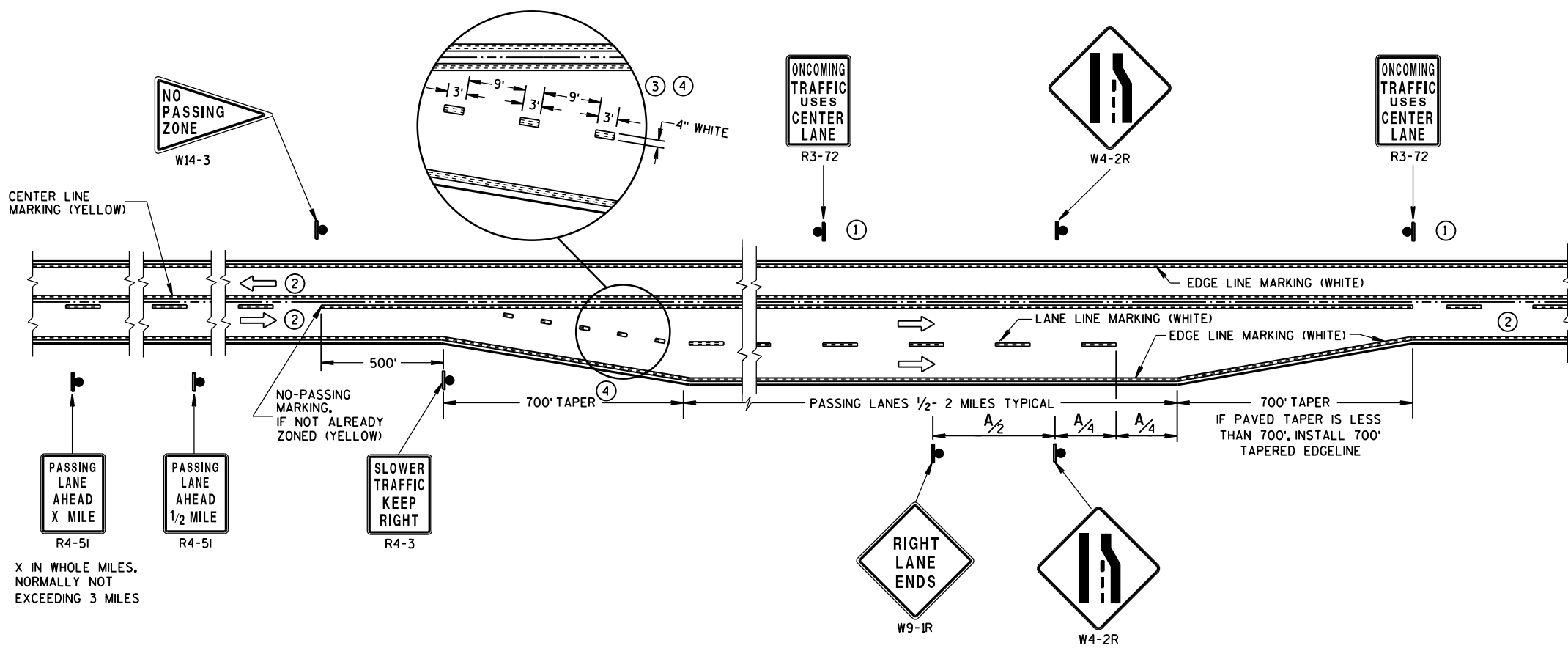
MINOR INTERSECTION WITH CURBS
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

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)**

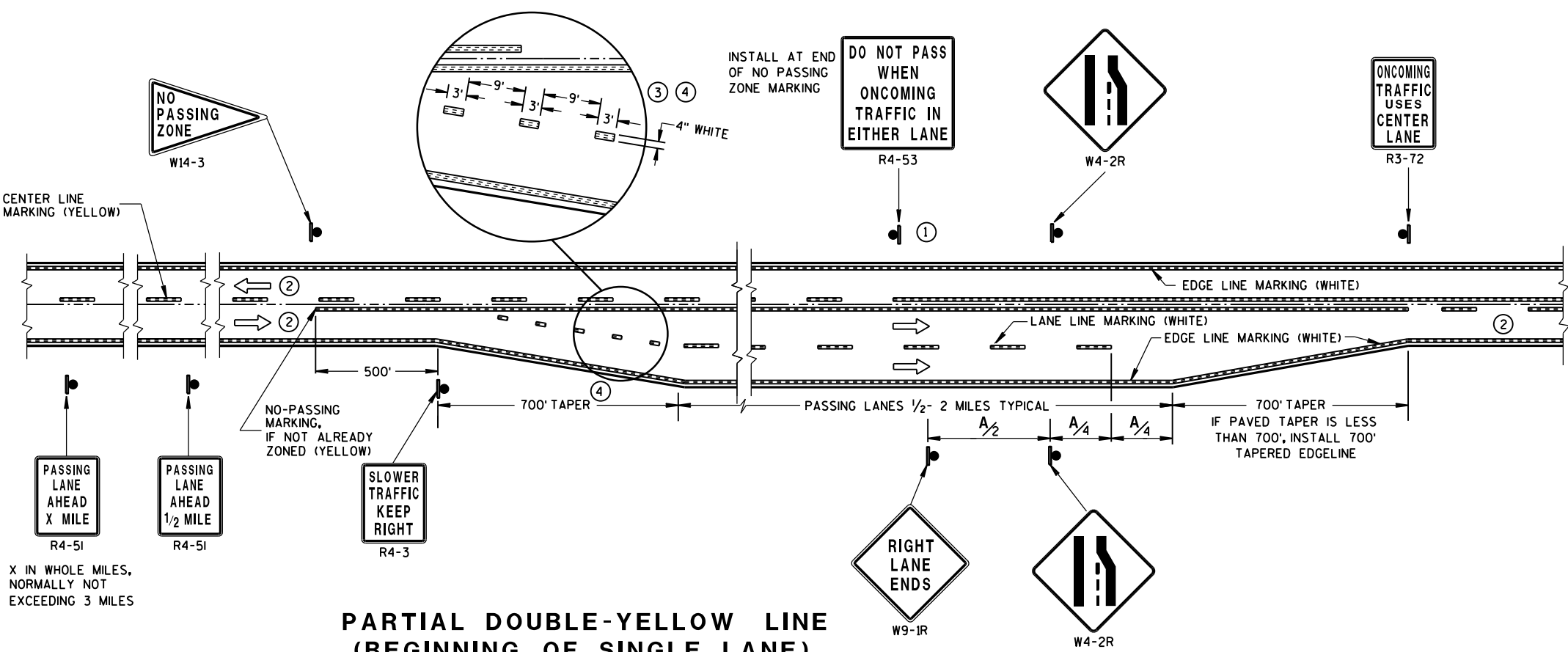
GENERAL NOTES

- 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

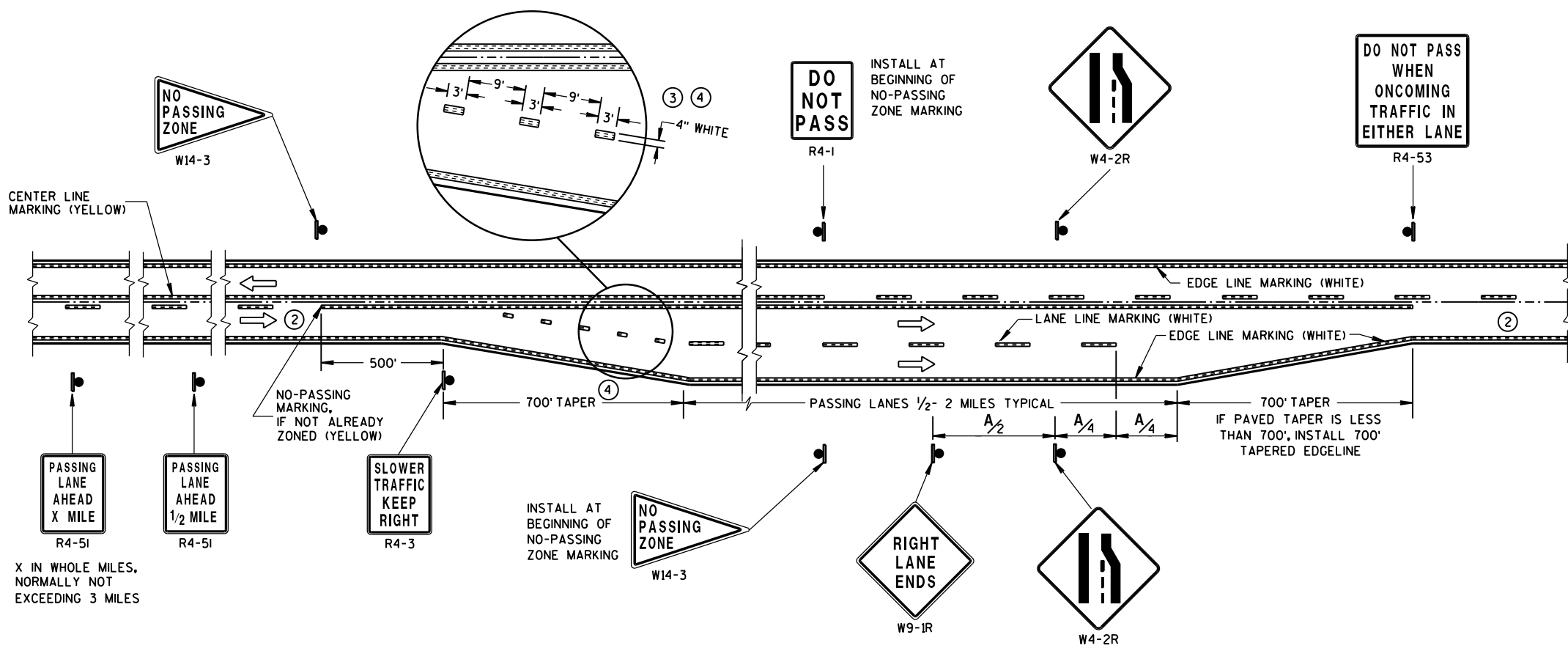
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950



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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



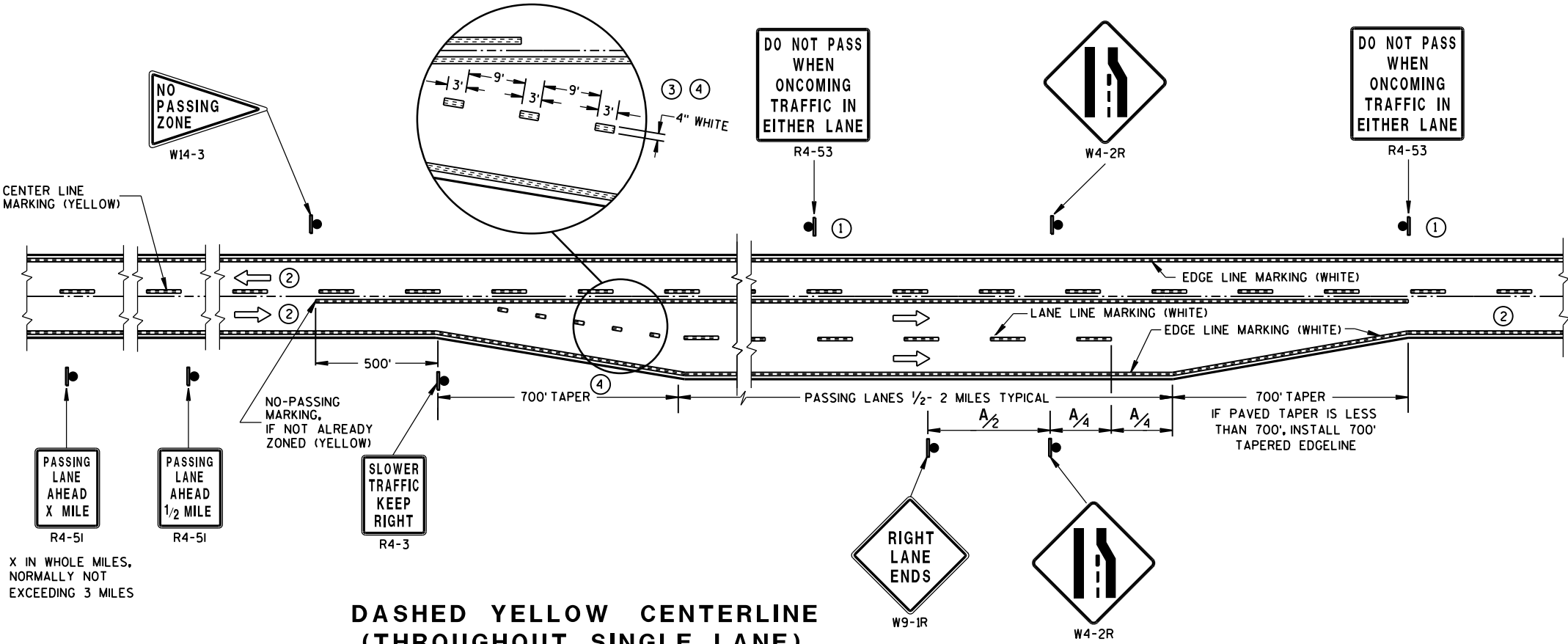
**SOLID DOUBLE-YELLOW LINE
(END OF SINGLE LANE)**

GENERAL NOTES

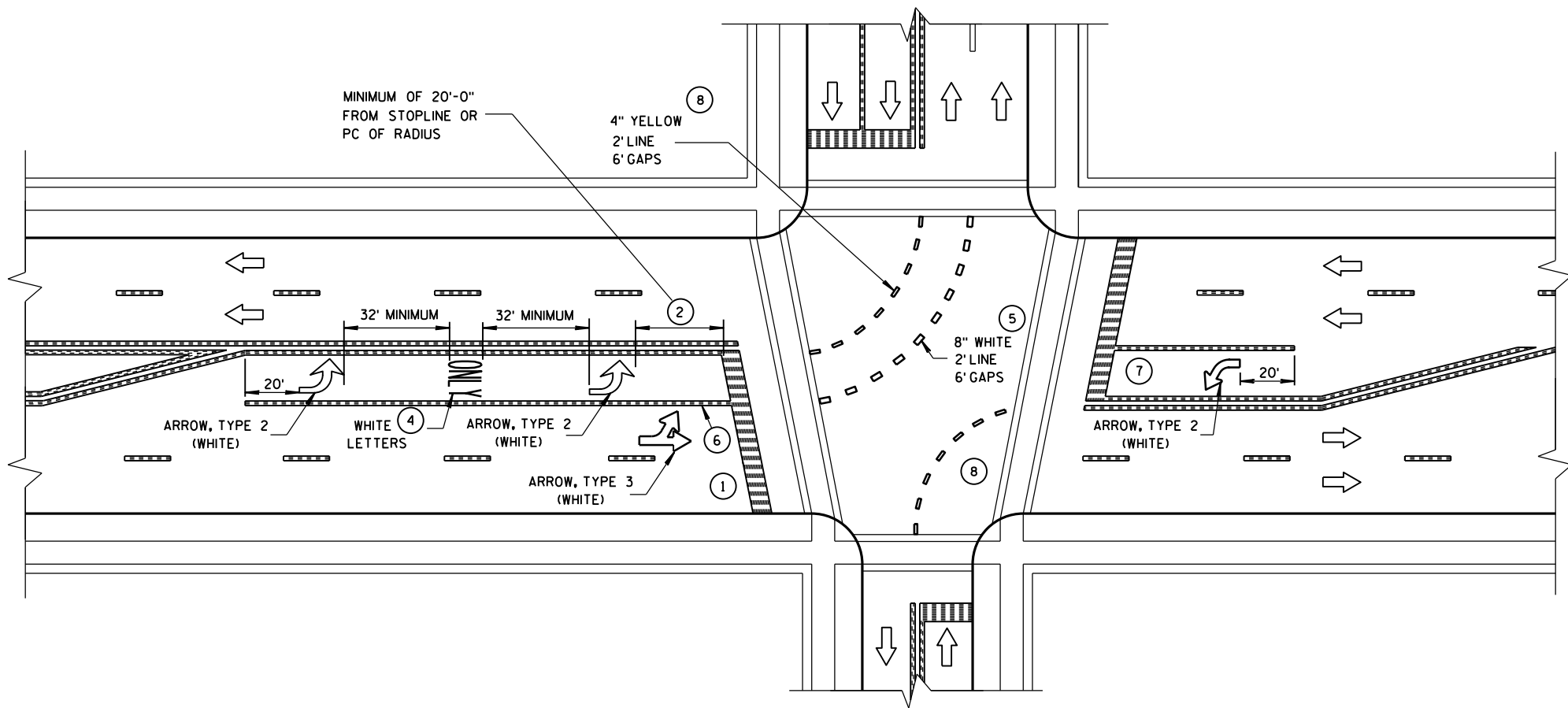
- ① SIGN SHALL BE REPEATED AT 1/2 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
- ② THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
- ③ THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP 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



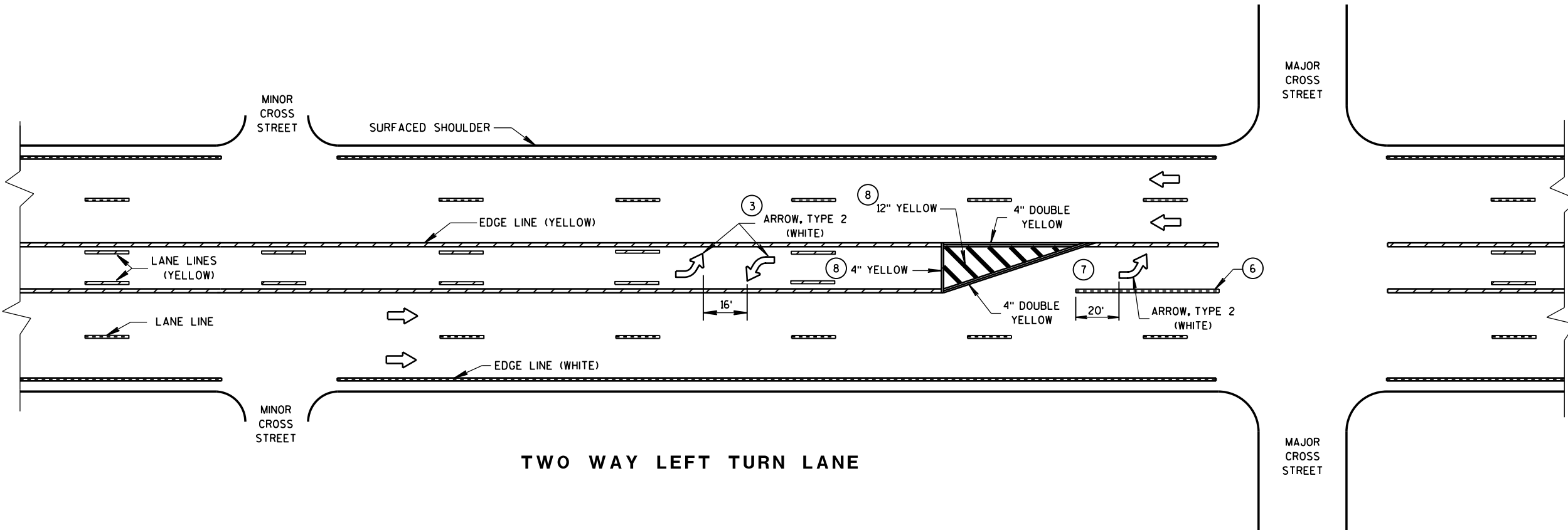
**DASHED YELLOW CENTERLINE
(THROUGHOUT SINGLE LANE)**



GENERAL NOTES

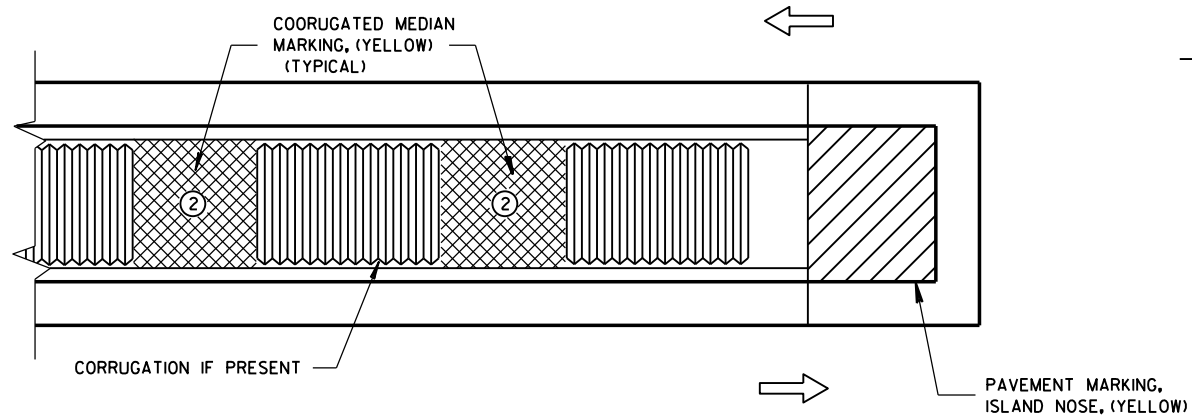
- 1 STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
- 2 DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
- 3 A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- 4 ADD EXTRA SETS OF ONE ARROW AND ONE 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

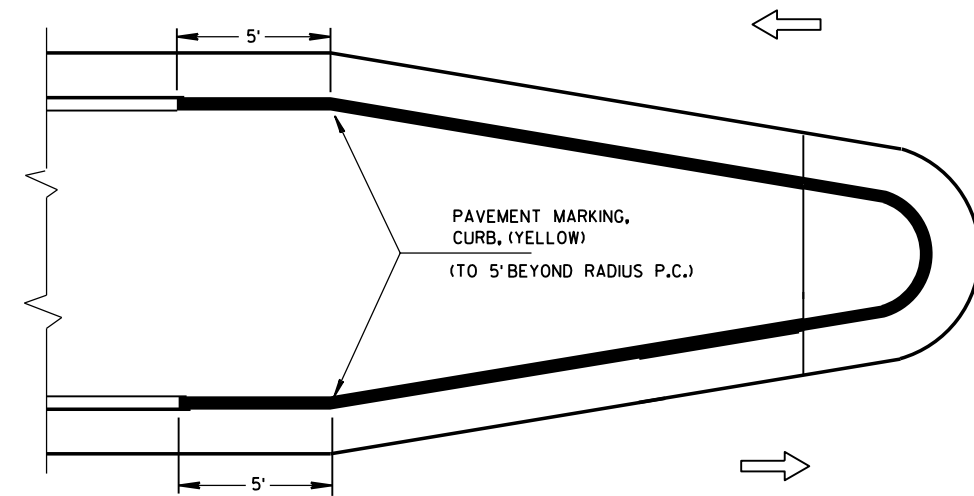


PAVEMENT MARKING
(LEFT TURN LANE)

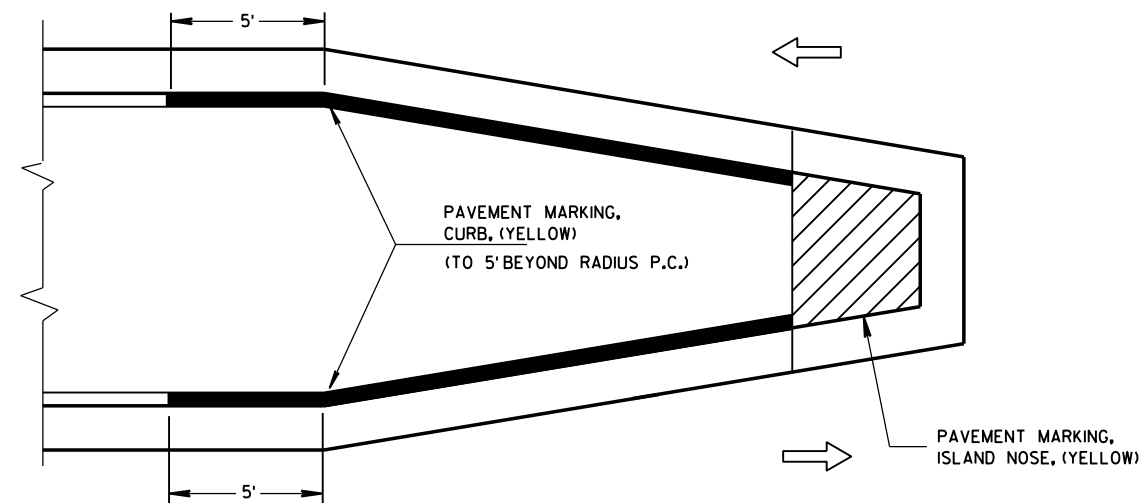
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

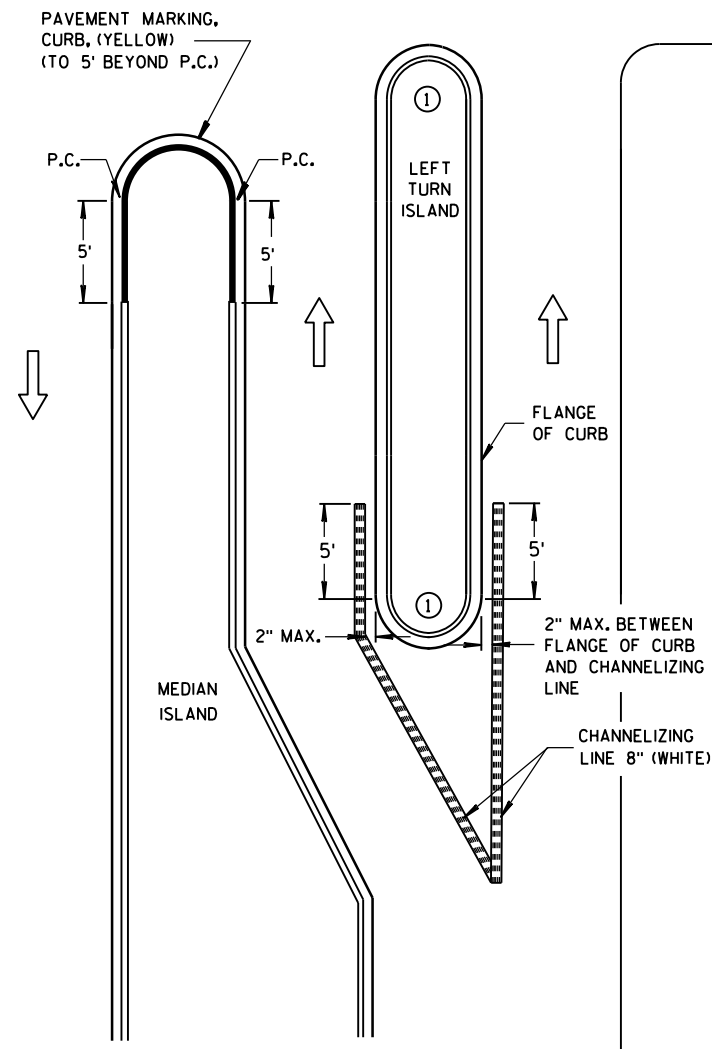


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

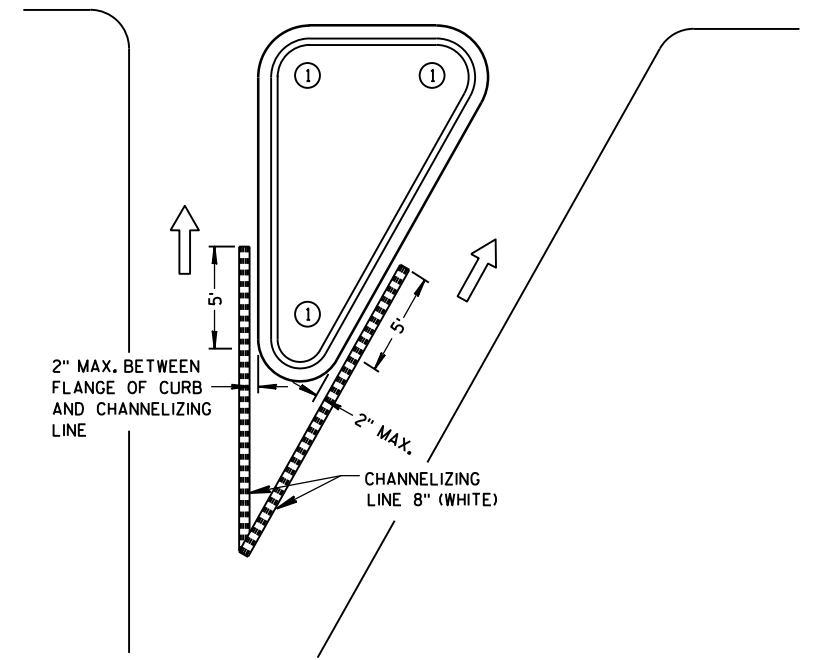
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

- DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
- 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.



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

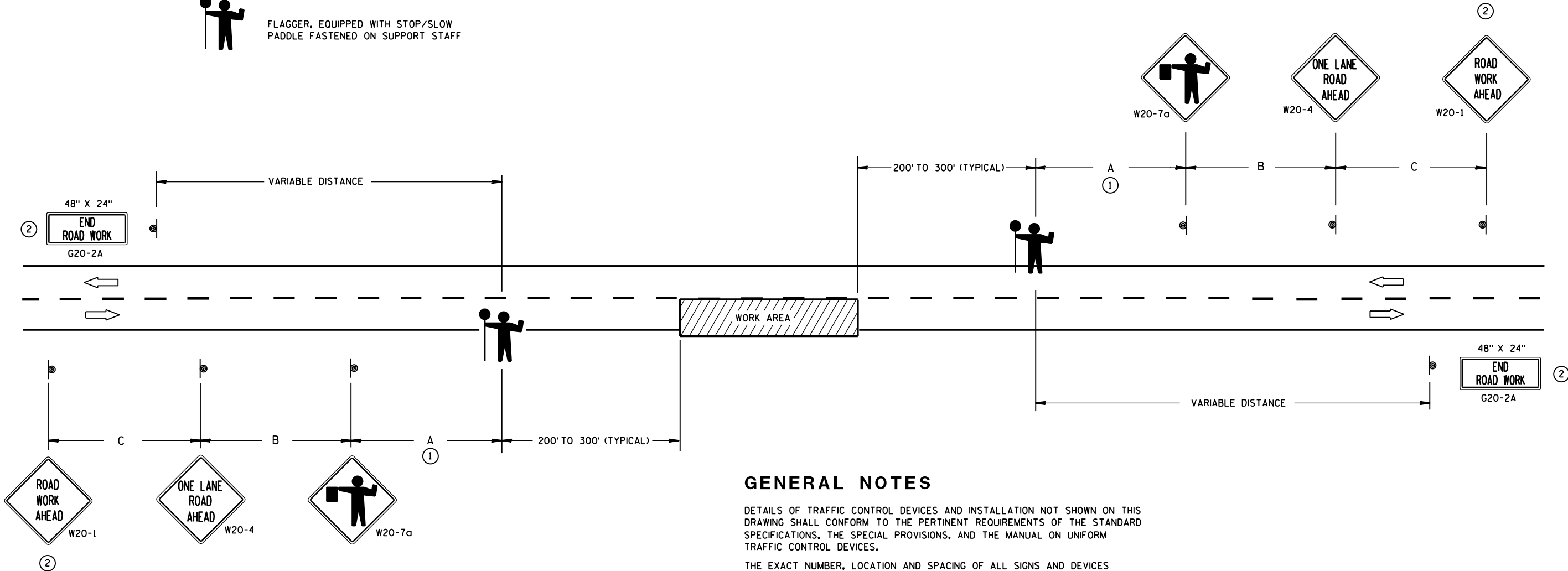
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

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.



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.

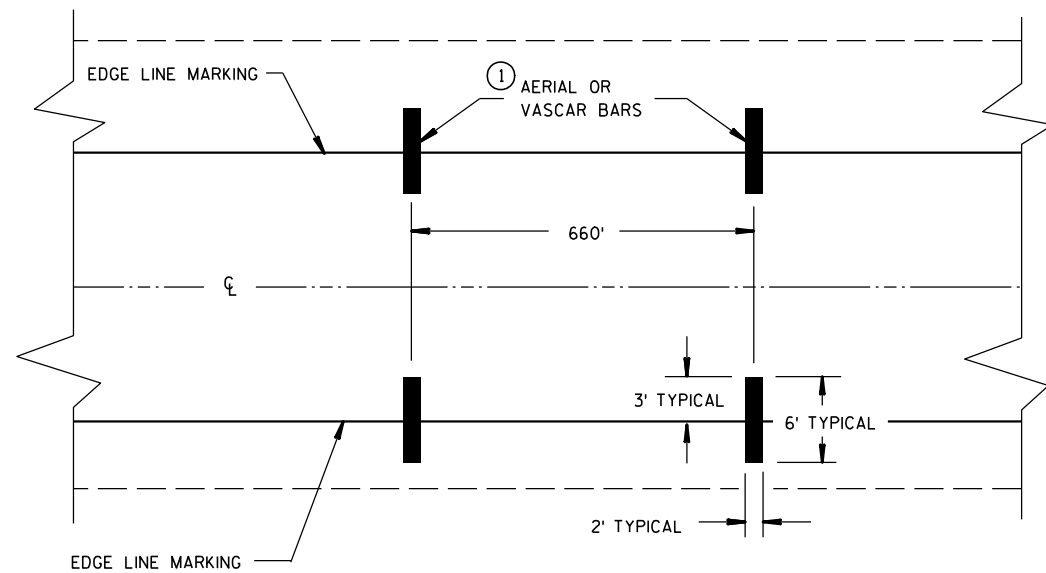
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

- 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.

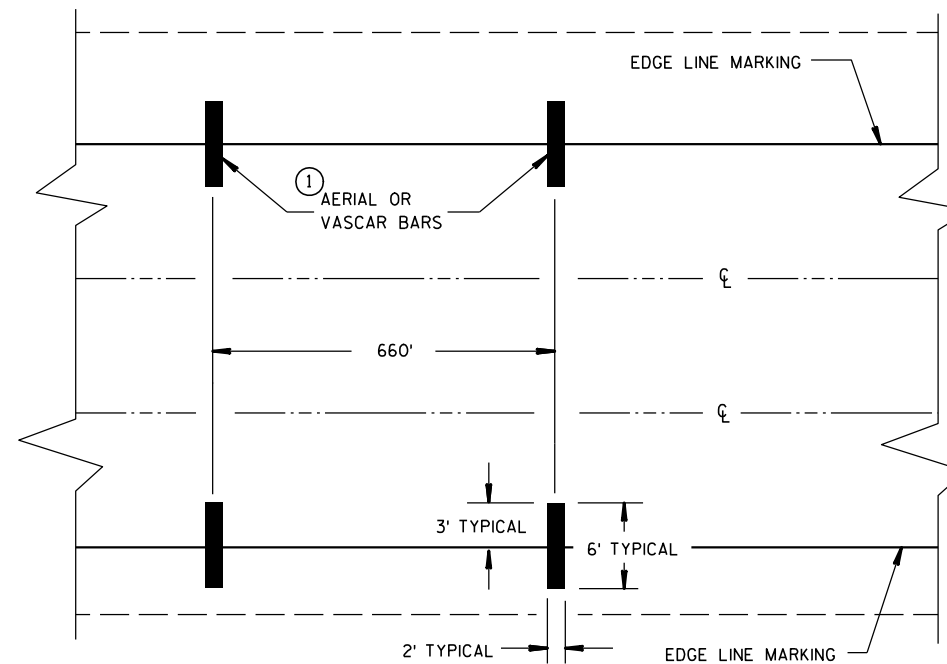
TRAFFIC CONTROL FOR LANE
CLOSURE (SUITABLE FOR
MOVING OPERATIONS)

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

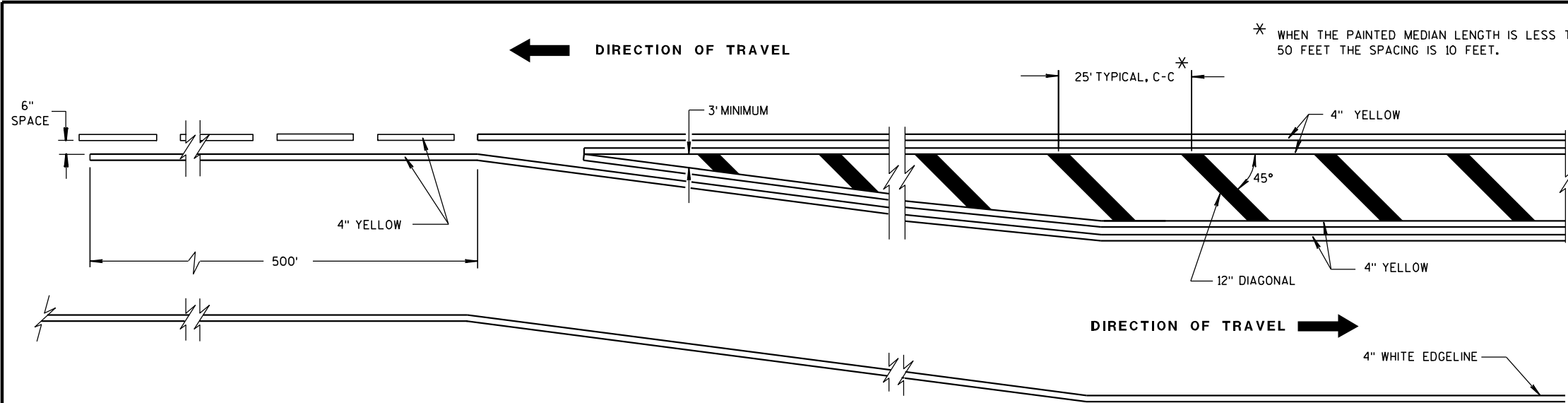
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/23/01
DATE

/S/ Chester J. Spang
CHIEF SIGNS AND MARKING ENGINEER

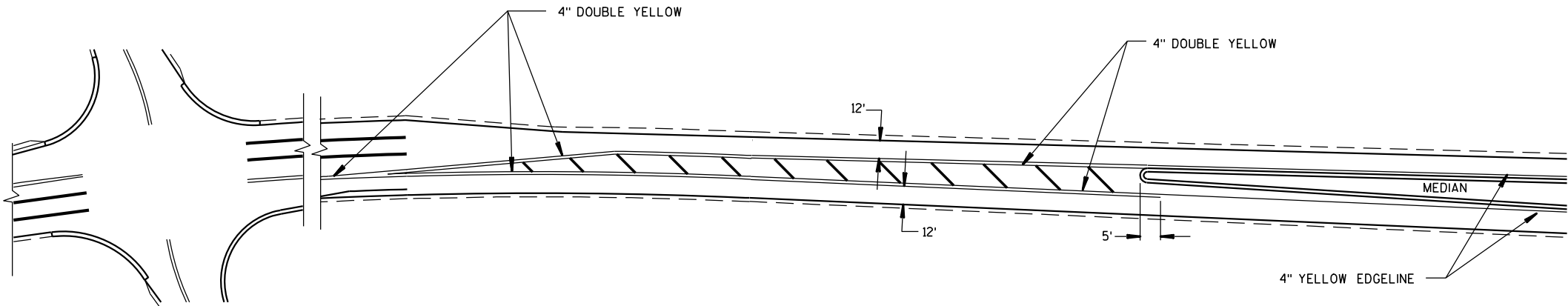
FHWA



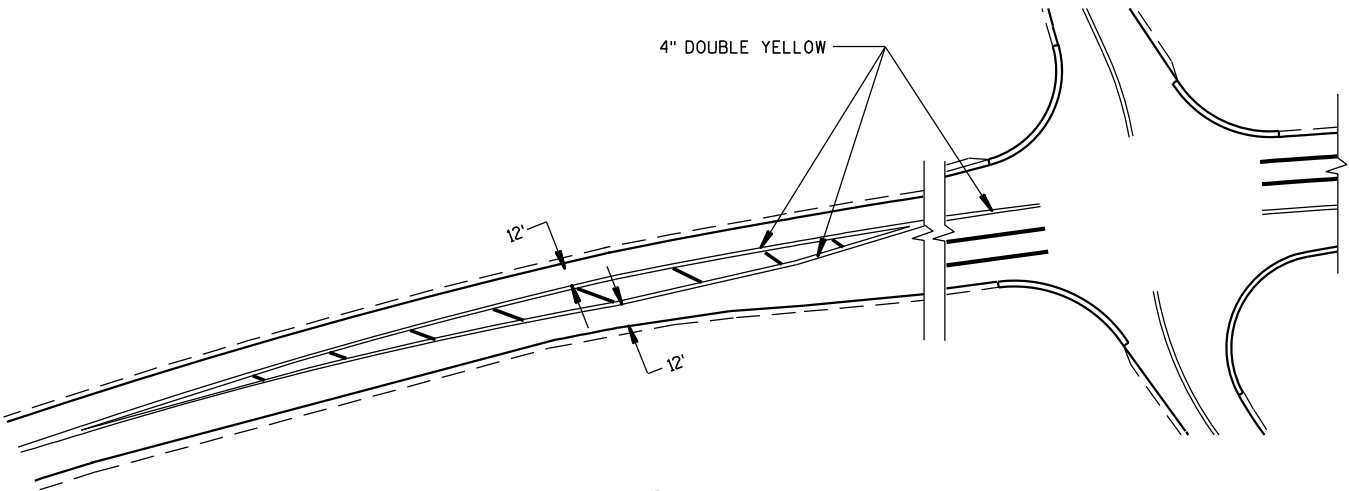
MEDIAN ISLAND DETAIL

GENERAL NOTE

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

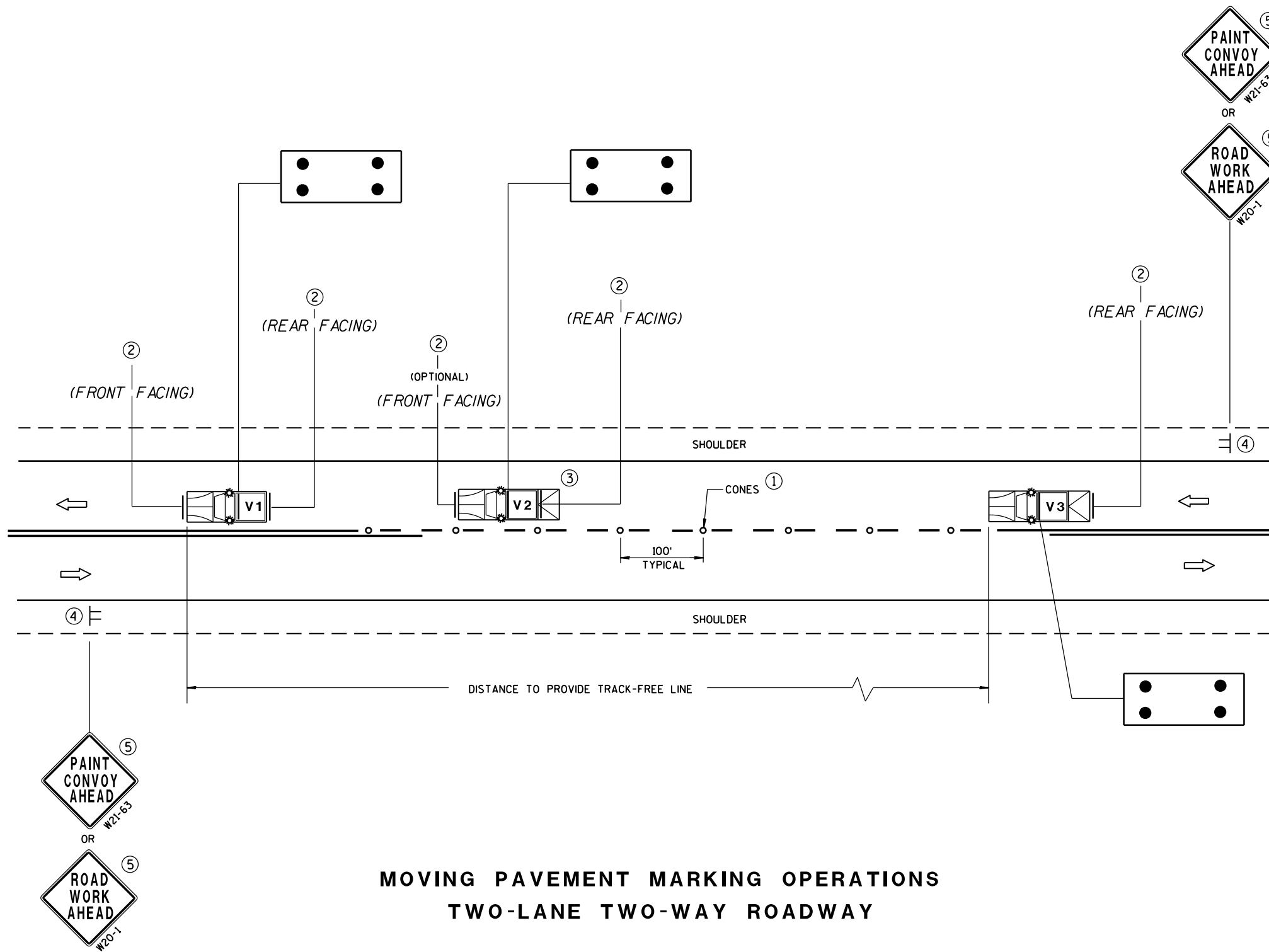


APPROACH MARKINGS FOR OTHER MEDIAN TYPES



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.

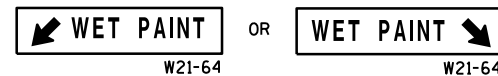
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE 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.



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

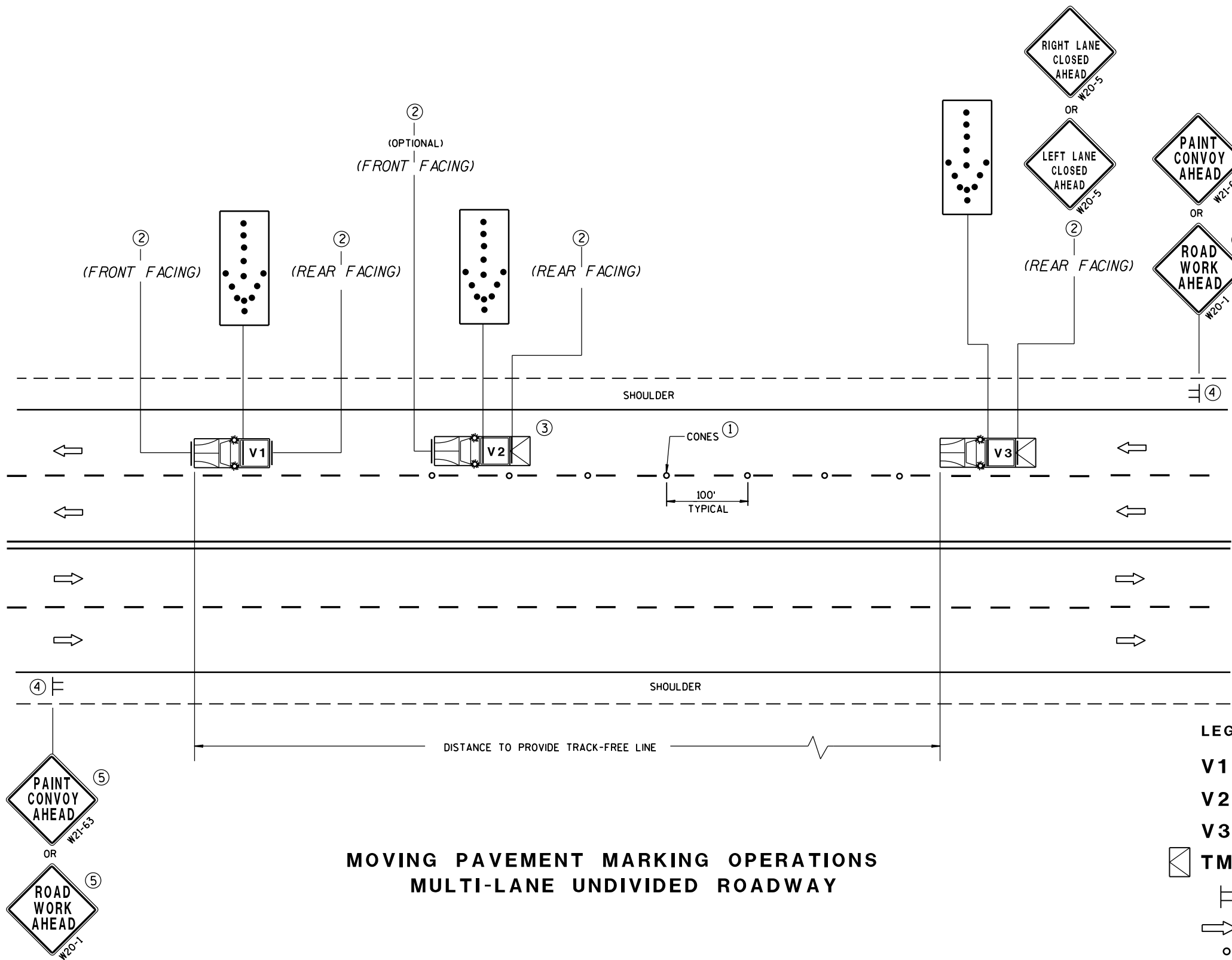
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/3/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC ENGINEER

FHWA

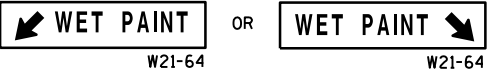


MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE UNDIVIDED ROADWAY

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.



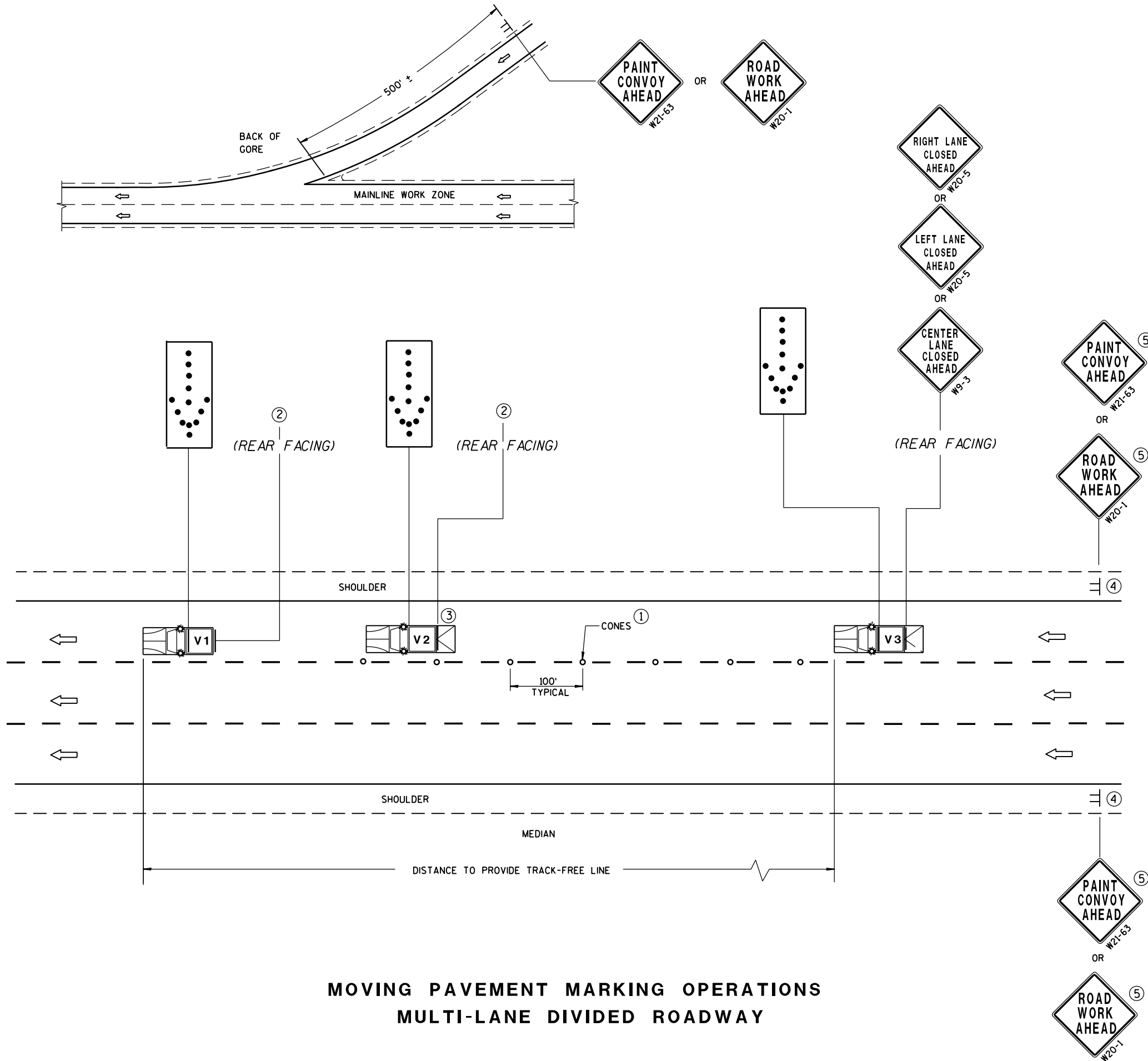
LEGEND

- 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



MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE DIVIDED 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 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.

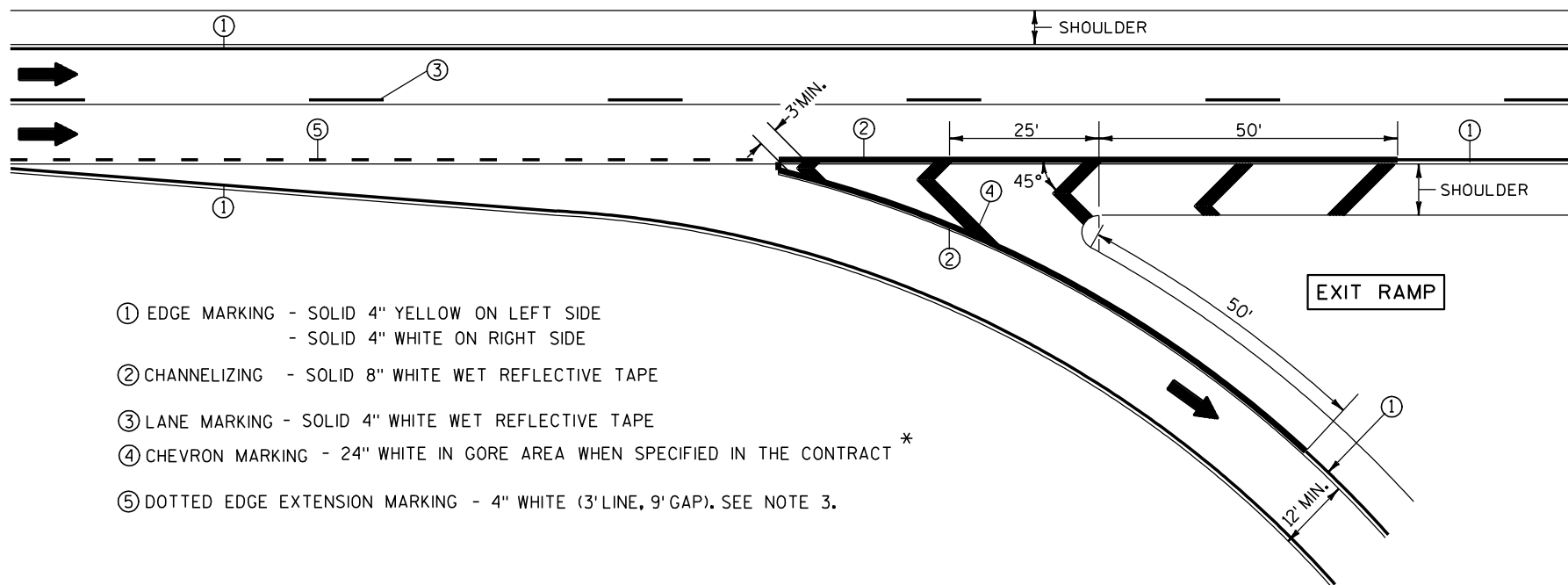
THIS DRAWING SHALL BE USED FOR EDGE LINE OR LANELINE MARKING FOR MULTILANE DIVIDED ROADWAYS.

- 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	

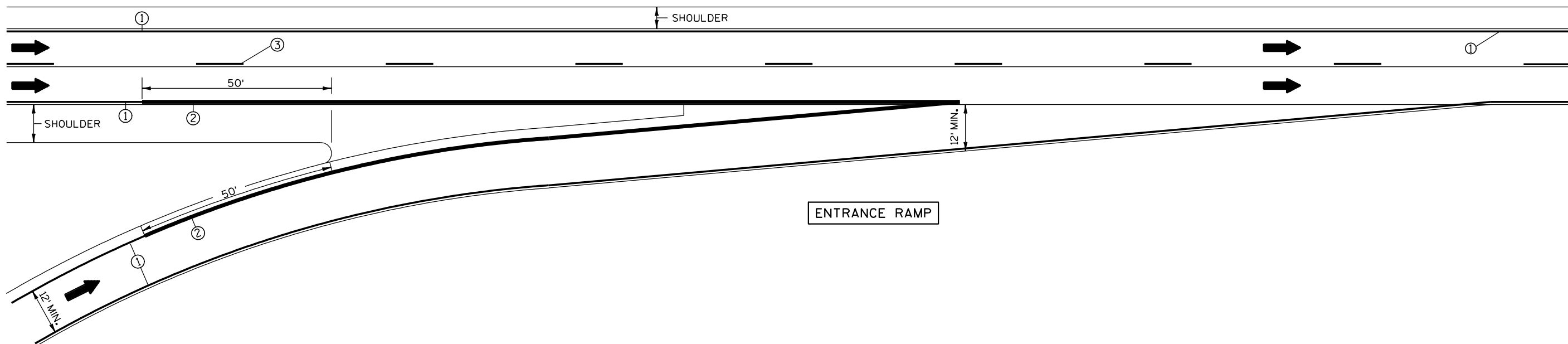


- ① EDGE MARKING - SOLID 4" YELLOW ON LEFT SIDE
- SOLID 4" WHITE ON RIGHT SIDE
- ② CHANNELIZING - SOLID 8" WHITE WET REFLECTIVE TAPE
- ③ LANE MARKING - SOLID 4" WHITE WET REFLECTIVE TAPE
- ④ CHEVRON MARKING - 24" WHITE IN GORE AREA WHEN SPECIFIED IN THE CONTRACT *
- ⑤ DOTTED EDGE EXTENSION MARKING -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

NOTES:

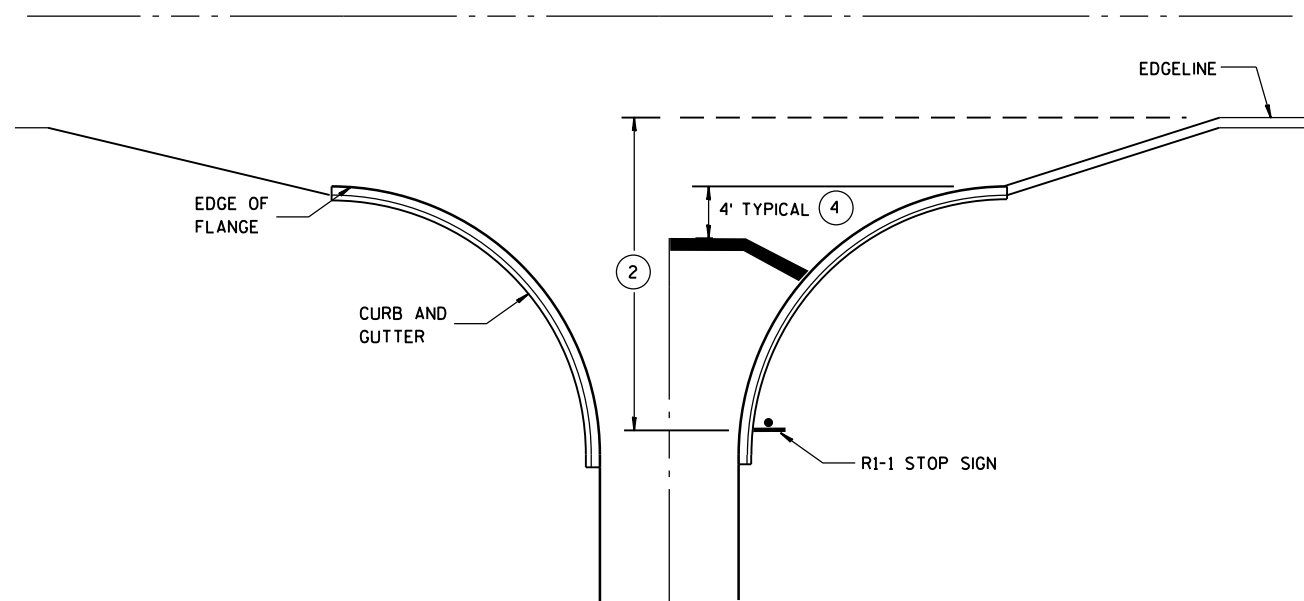
- 1. ARROWS SHOWN ON THIS MARKING PLAN DESIGNATE TRAFFIC FLOW, AND SHALL NOT BE TAKEN AS PROPOSED PAVEMENT MARKINGS.
- 2. PLACE WHITE EDGE OF TAPE 6" LEFT FROM JOINT.
- 3. 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- 4. RETRACE EXISTING DIAGONAL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

* REFER TO DESIGN NOTES.

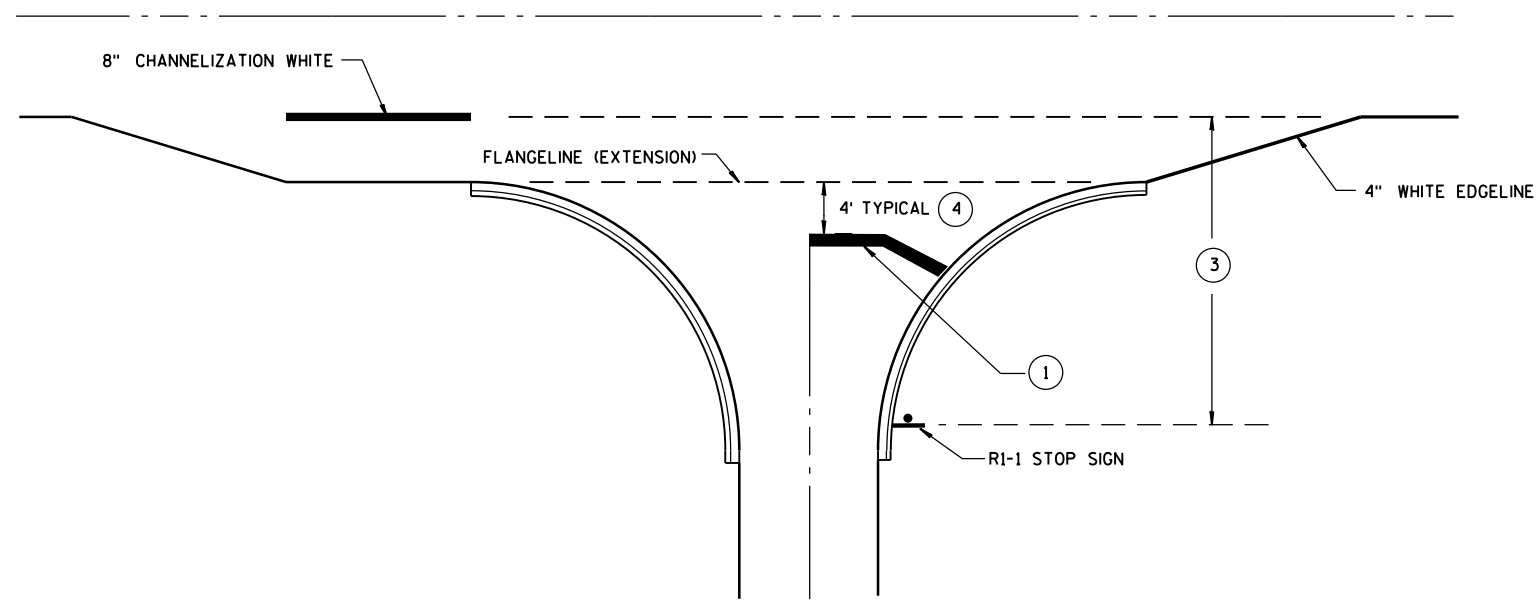


PAVEMENT MARKING
(RAMPS AND GORES)

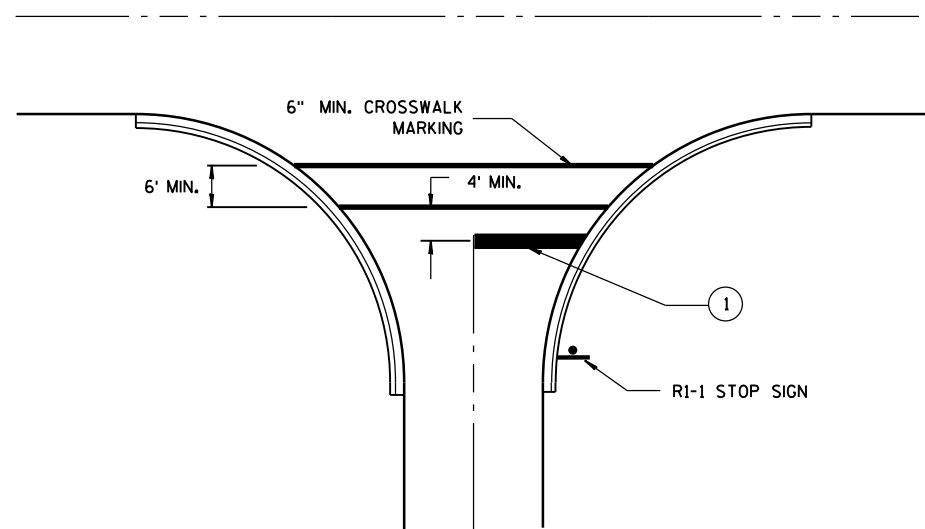
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



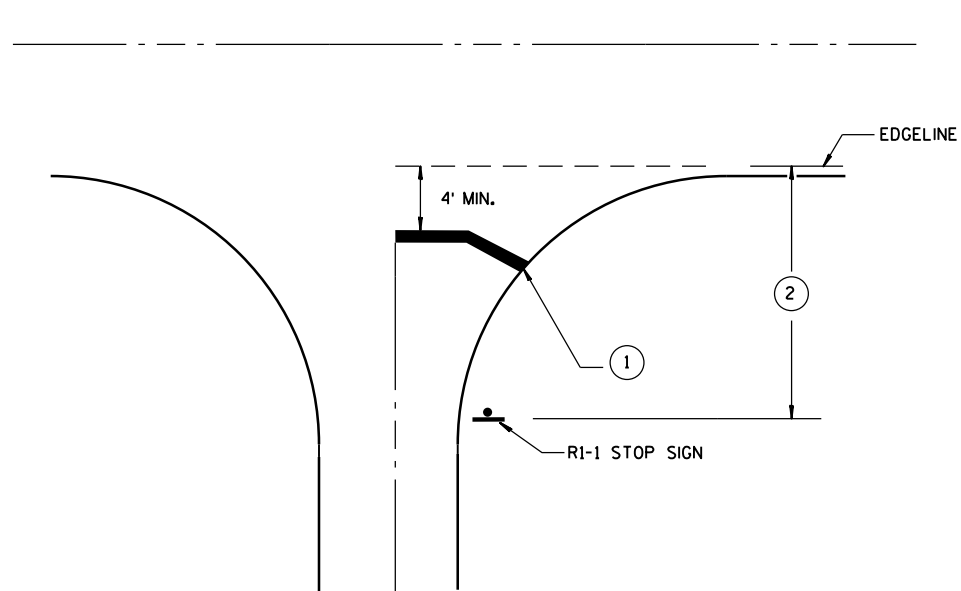
**TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER**



**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 THEN NO STOP LINE IS REQUIRED.
- ③ IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THEN 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

Dedicated people creating transportation solutions
through innovation and exceptional service.

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