

EAU MAY 2013

PROJECT ID: 9227-01-18

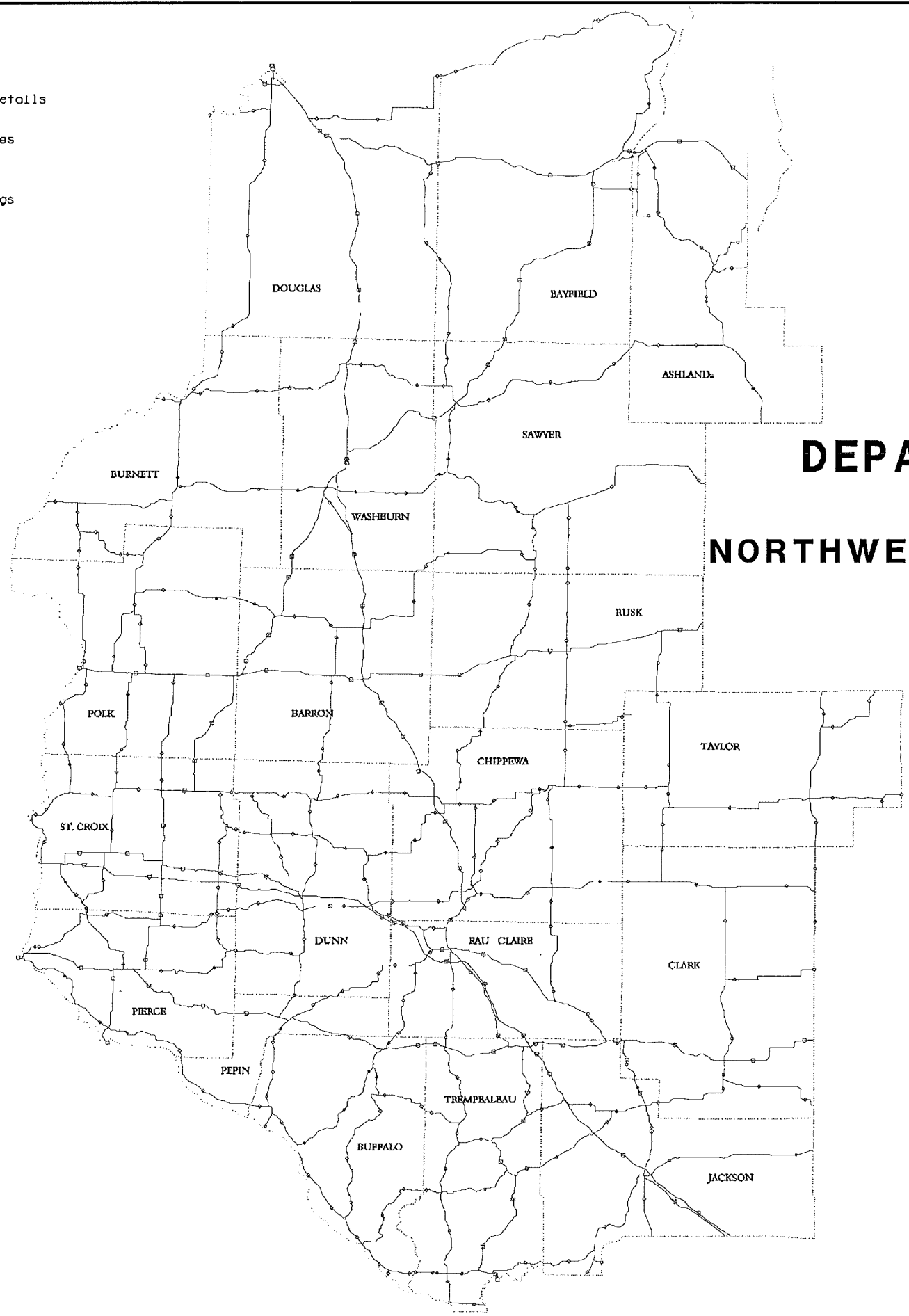
COUNTY: N.W. REGION

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. 5	Plan and Profile
Section No. 6	Standard Detail Drawings

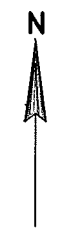
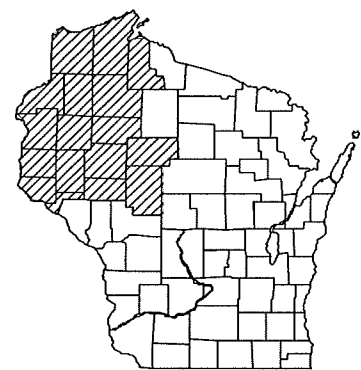
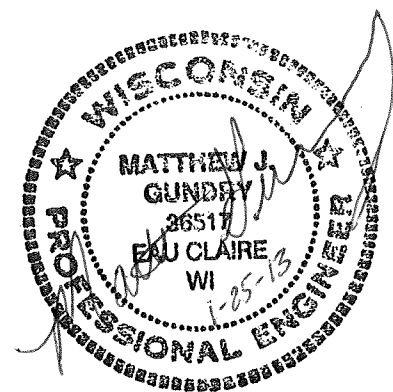
TOTAL SHEETS = 46

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9227-01-18	WISC 2013293	1



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
NORTHWEST REGION PAVEMENT MARKING 2013
VARIOUS HIGHWAYS
NORTHWEST REGION WIDE

STATE PROJECT NUMBER
9227-01-18



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	NORTHWEST REGION
Designer	FAA, INC.
Project Manager	CHLOE ANDERSON
District Examiner	DANIEL OJIBWAY
District Supervisor	ROBERT ANDERSON
C.O. Examiner	
APPROVED FOR DISTRICT OFFICE	
DATE: 1/28/13	(Signature)

NORTHWEST REGION TRAFFIC CONTACTS

LT. NICK WARNINK
SGT. STEVE TAPE (EXT. 108) - SPEED ENFORCEMENT BARS
STATE PATROL DIVISION OF DISTRICT 6
5009 USH 53 SOUTH.
EAU CLAIRE, WI 54701
PHONE (715) 839-3800

I94 WB DUNN CO. SCALE
PHONE (715) 235-4581
I94 EB ST. CROIX CO. SCALE
PHONE (715) 749-3744
REBECCA GRANGAAD - CHANGEABLE MESSAGE SIGN COORDINATION
STATE PATROL
PHONE (715) 839-3800

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
1300 W. CLAIREMONT AVE.
EAU CLAIRE, WI 54701
PHONE (715) 839-3700

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
810 W. MAPLE STREET
SPOONER, WI 54801
PHONE (715) 635-2101

CHLOE ANDERSON
WISCONSIN DEPARTMENT OF TRANSPORTATION
5009 USH 53 SOUTH
EAU CLAIRE, WI 54701
PHONE (715) 855-7672
CELL (715) 577-4493

ROBERT ANDERSON
WISCONSIN DEPARTMENT OF TRANSPORTATION
718 W. CLAIREMONT AVE.
EAU CLAIRE, WI 54701
PHONE (715) 833-5361

GENERAL NOTES

ALL ITEMS ARE CATEGORIZED 010 AND FOR SYSTEMIC SAFETY SECTIONS 020.

THE DEPARTMENT WILL MEASURE REMOVING PAVEMENT MARKINGS BY THE LINEAR FOOT OF 4-INCH WIDE LINE, IF REMOVING 8-INCH LINE, DOUBLE THE QUANTITY

THE CONTRACTOR SHALL FURNISH MATERIALS FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION APPROVED LISTS.

THE CONTRACTOR AT NO TIME SHALL CLOSE OFF AN ENTIRE RAMP. RAMPS MUST BE DONE ONE HALF AT A TIME.

PAINTED SURFACES SHALL BE FREE OF DEBRIS AS STATED IN SECTION 646 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

THE CONTRACTOR SHALL GIVE A ONE WEEK MINIMUM PRIOR NOTICE TO STATE PATROL CONTACT FOR THE COORDINATION OF THE LOCATION OF SPEED ENFORCEMENT LINES.

PAVEMENT MARKINGS SHALL NOT BE PAINTED THROUGH SIGNALIZED INTERSECTIONS OR THROUGH INTERSECTIONS WHERE TWO STATE TRUNK HIGHWAYS JUNCTION.

DASHES, PAINTED THRU INTERSECTION SHALL MATCH THE EXISTING CYCLE.

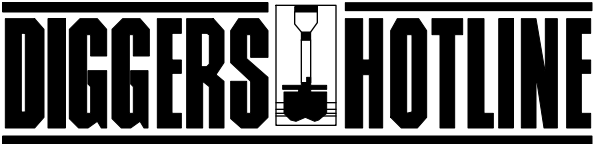
IF ASSIGNED TO PAINT A RAMP, PAINT BOTH SIDES OF THE GORE, GORES ARE PAINTED WITH RAMPS.

LARGE COLOR MAPS AVAILABLE UPON REQUEST

RAILROAD CONTACTS

WISCONSIN CENTRAL LTD (CN)
JACKIE MACEWICZ, MANAGER PUBLIC WORKS
1625 DEPOT ST., STEVENS POINT, WI. 54481
TELEPHONE 715-345-2503
FAX 715-345-2534
EMAIL jackie.macewicz@cn.ca

UNION PACIFIC RAILROAD COMPANY
JOHN VENICE, MANAGER SPECIAL PROJECTS -
INDUSTRY & PUBLIC PROJECTS ENGINEERING DEPARTMENT
101 NORTH WACKER DRIVE 1¹/₂ SUITE 1920
CHICAGO, IL 60606
TELEPHONE (312) 777-2043
FAX (402) 233-2769
EMAIL jnvenice@up.com



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Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	NO TIME RESTRICTIONS	PAINTING ALLOWED MONDAY THRU FRIDAY 9 AM - 3 PM	PAINTING ALLOWED SUNDAY THRU THURSDAY 9 PM - 5 AM	PORTABLE CHANGEABLE MESSAGE SIGN REMOTE CONTROL	WISCONSIN LANE CLOSURE SYSTEM ADVANCE NOTIFICATION 5 BUSINESS DAYS
801	7.7	DOUGLAS	USH 53 NB	MILEPOST 200 MEDIAN CROSSEOVERS:	2000' SOUTH OF WASKO RD /NORTH END BRIDGE BALDWIN AVE / CTH A / CTH AA / HARROUN RD	X				X
802	2.4	WASHBURN	USH 53 NB	MILEPOST 185 MEDIAN CROSSEOVERS:	2200' NORTH OF MILEPOST 187 OLD BUSINESS 53 / WALLACE RD	X				X
803	2.3	WASHBURN	USH 53 SB	2650' SOUTH OF LAKESIDE RD / BLUE SIGN	425' NORTH OF MILEPOST 185 / TRANSFER ST	X				X
804	2.4	WASHBURN	USH 53 SB	425' NORTH OF MILEPOST 185 / TRANSFER ST	2200' SOUTH OF MILEPOST 183 /WAYSIDE X-OVER	X				X
805	0.1	WASHBURN	USH 53 NB	2060' NORTH OF MILEPOST 190	MEDIAN CROSSEOVER TO NORTHWOODS SCHOOL	X				X
806	2.1	BAYFIELD	STH 13	740' NORTH OF THOMPSON RD / SOUTH END BRIDGE	130' NORTH OF SUPERIOR AVE / WASHBURN	X				
807	7.0	ASHLAND	STH 77	820' WEST OF NFR 335	140' WEST OF HENNES RD	X				
808	9.8	DOUGLAS	STH 27	BAYFIELD / DOUGLAS CO LINE	350' SOUTH OF RUSH LAKE RD	X				
809	4.5	BURNETT	STH 48	STH 87 SOUTH JCT	STH 70 / GRANTSBURG	X				
810	4.7	BURNETT	STH 70	WIS / MINN STATE LINE (WEST END OF BRIDGE)	STH 48 EAST / GRANTSBURG	X				X
811	7.6	POLK	STH 87	270TH AVE	STH 48 EAST JCT	X				
1R		BAYFIELD	USH 63	915' NORTH OF NAMAKAGON RIVER RD CENTERLINE - NEED TO CUT OUT DASHES	BETWEEN NAMAKAGON RIVER RD & SHORT RD	X				X
801	0.1	TAYLOR	STH 13	CTH D INTERSECTION	OLD ASPHALT EACH SIDE OF INTERSECTION	X				X
802	0.5	TAYLOR	STH 13	MINK AVE / STETSONVILLE	150' NORTH OF FINCH AVE / STETSONVILLE	X				X
803	0.8	CLARK	STH 73	CLEAR WATER DR / SOUTH END BRIDGE/ GREENWOOD	HUNT ST / GREENWOOD	X				
804	0.5	CLARK	STH 13	BUSINESS 29 / ABBOTSFORD	270' NORTH OF PINE ST /ABBOTSFORD	X				X
805	15.6	CLARK	USH 10	210' WEST OF BOONE BLVD / NEILLSVILLE	CLARK / WOOD CO LINE	X				
806	4.6	CLARK	STH 98	STH 73 REMOVE YELLOW CENTERLINE	HELM ST / LOYAL	X				
807	23.2	CLARK	STH 29 EB & WB	BRUCE MOUND RD RAMPS: STH 73 EXIT 118 / CTH X EXIT 122 MAINLINE LANE LINES WR CONTRAST 4" EPOXY	CLARK / MARATHON CO LINE CTH E EXIT 127 / HI LINE EXIT 131	X				X
808	4.4	EAU CLAIRE	USH 53 NB & SB	CTH AA / GOLF RD / NORTH SIDE RAMPS RAMP: USH 12 MAINLINE LANE LINES WR CONTRAST 4" EPOXY	STH 312 / NORTH SIDE			X	X	X
809		EAU CLAIRE	STH 93 NB	USH 53 EXIT 87 RAMP	COLLECTOR RAMP			X	X	X
811		CHIPPEWA	STH 178	STH 29 / EXIT 79 / CHIPPEWA FALLS GUIDE THRU INTERSECTION TO 29 EB & 29 WB	CYCLE 2' DASH 6' SPACE	X				
2R		CHIPPEWA	STH 178	OLSON RD / CHIPPEWA FALLS	REMOVE STOP LINE IN TURN BAYS NB & SB	X				
812	5.7	ST CROIX	I 94 EB	520' WEST OF CTH T / EXIT 16 EDGE LINE ON MAINLINE ONLY	120' EAST OF MILE POST 22	SEE DETAILED TIME RESTRICTIONS ON FOLLOWING SHEET			X	X

MAP REF#	MILES	COUNTY	HWY	BEGIN	END	NO TIME RESTRICTIONS	PAINTING ALLOWED MONDAY THRU FRIDAY 9 AM - 3 PM	PAINTING ALLOWED SUNDAY THRU THURSDAY 9 PM - 5 AM	PORTABLE CHANGEABLE MESSAGE SIGN REMOTE CONTROL	WISCONSIN LANE CLOSURE SYSTEM ADVANCE NOTIFICATION 5 BUSINESS DAYS
613		ST CROIX	USH 12	I 94 / EXIT 4 GUIDE THRU INTERSECTION TO 12 EB	CYCLE 2' DASH 6' SPACE			X	X	X
614		ST CROIX	USH 63	I 94 / EXIT 19 GUIDE THRU INTERSECTION TO 63 NB	CYCLE 2' DASH 6' SPACE			X	X	X
615		ST CROIX	STH 35	CTH C NORTH / SOMERSET GUIDE THRU INTERSECTION TO CTH C NORTH LEFT EDGE LINE	CYCLE 2' DASH 6' SPACE	X				
616		ST CROIX	STH 64	STH 65 / NEW RICHMOND GUIDE THRU INTERSECTION TO STH 65 NORTH GUIDE THRU INTERSECTION TO STH 65 SOUTH LEFT EDGE LINE	CYCLE 2' DASH 6' SPACE	X				X
617	4.4	JACKSON	I 94 WB	MONROE / JACKSON CO LINE LANE LINES ON MAINLINE	MILE POST 128	SEE DETAILED TIME RESTRICTIONS BELOW			X	X
618		JACKSON	I 94 EB & WB	STH 54 / EXIT 118 / BLACK RIVER FALLS	4 RAMPS	X			X	X
619	6.9	PIERCE	STH 72	CTH 88 / EAST END OF BRIDGE	1000' EAST OF 580TH AVE	X				

612	5.7	ST CROIX	I 94 EB	520' WEST OF CTH T / EXIT 16 EDGE LINE ON MAINLINE ONLY (NO LANE CLOSURE)	120' EAST OF MILE POST 22	EDGE LINES ONLY - TUESDAY, WEDNESDAY AND THURSDAY - 7 P.M. - 2 P.M.
617	4.4	JACKSON	I 94 WB	MONROE / JACKSON CO LINE LANE LINES ON MAINLINE (FULL LANE CLOSURE)	MILE POST 128	EAST AND WEST BOUND - MONDAY 8 P.M. - 5 A.M., TUESDAY - THURSDAY 8 P.M. - 3 P.M.

WORK TIME RESTRICTIONS & TRAFFIC CONTROL

REGION WIDE - NO WEEKEND OR NO NIGHT PAINTING, EXCEPT AS NOTED IN PLAN OR WITH PROJECT ENGINEER'S PRE-APPROVAL

REGION WIDE -NO PAINTING DURING HOLIDAY TIME PERIODS.

FROM 5 AM THURSDAY, MAY 23, 2013 TO 5 AM WEDNESDAY, MAY 29, 2013
FROM 5 AM WEDNESDAY, JULY 3, 2013 TO 5 AM MONDAY, JULY 8, 2013
FROM 5 AM FRIDAY AUGUST 30, 2013 TO 5 AM SEPTEMBER 4, 2013

GENERAL TRAFFIC CONTROL NOTES:

WISCONSIN LANE CLOSURE SYSTEM ADVANCE NOTIFICATION - GIVE A FIVE WORKING DAY MINIMUM ADVANCE NOTICE TO THE PROJECT ENGINEER

TRAFFIC CONTROL SIGNS PORTABLE CHANGEABLE MESSAGE STATE PATROL - UNITS SHALL BE USED FOR ALL NIGHTTIME WORK OPERATIONS ON USH 8, USH 12, USH 53, STH 29,STH 35, STH 93,STH 312

TRAFFIC CONTROL SIGNS PORTABLE CHANGEABLE MESSAGE STATE PATROL - UNITS SHALL BE USED FOR ALL DAYTIME OR NIGHTTIME WORK OPERATIONS ON INTERSTATE 94.

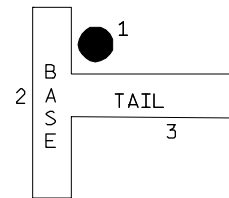
INTERSTATE 94 RAMP PAINTING REQUIRES THE USE OF 2 PORTABLE CHANGEABLE MESSAGE STATE PATROL UNITS. THE UNITS MUST REMAIN STATIONARY ON THE INTERSTATE 94 MAINLINE SHOULDER, NOT TO FOLLOW THE PAINTING CONVOY. THE SIGN MESSAGE SHALL READ "RAMP WORK AHEAD USE CAUTION".

INTERSTATE 94 MAINLINE PAINTING NOT USING A FULL LANE CLOSURE MAY USE A MOBILE PORTABLE CHANGEABLE MESSAGE STATE PATROL UNIT TO FOLLOW THE PAINTING CONVOY, NO CLOSER THAN 1,320 FEET (0.25 MILE) THE SIGN MESSAGE SHALL READ "ROAD WORK AHEAD MERGE RIGHT/LEFT"

INTERSTATE 94 MAINLINE PAINTING USING A FULL LANE CLOSURE REQUIRES THE USE A STATIONARY PORTABLE CHANGEABLE MESSAGE STATE PATROL UNIT TO BE LOCATED NO CLOSER THAN 1,320 FEET (0.25 MILE) FROM THE START OF THE LANE CLOSURE. THE SIGN MESSAGE SHALL READ "ROAD WORK AHEAD MERGE RIGHT/LEFT"

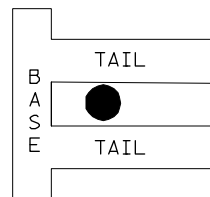
LOCATING NO-PASSING ZONES

"T": A MARK ON THE ROADWAY, WHICH INDICATES THE BEGINNING AND ENDING POINTS OF A BARRIER LINE. T'S ARE USED TO IDENTIFY THE POINT AT WHICH THE PAINT GUN IS TURNED ON OR OFF TO PAINT THE BARRIER LINE.

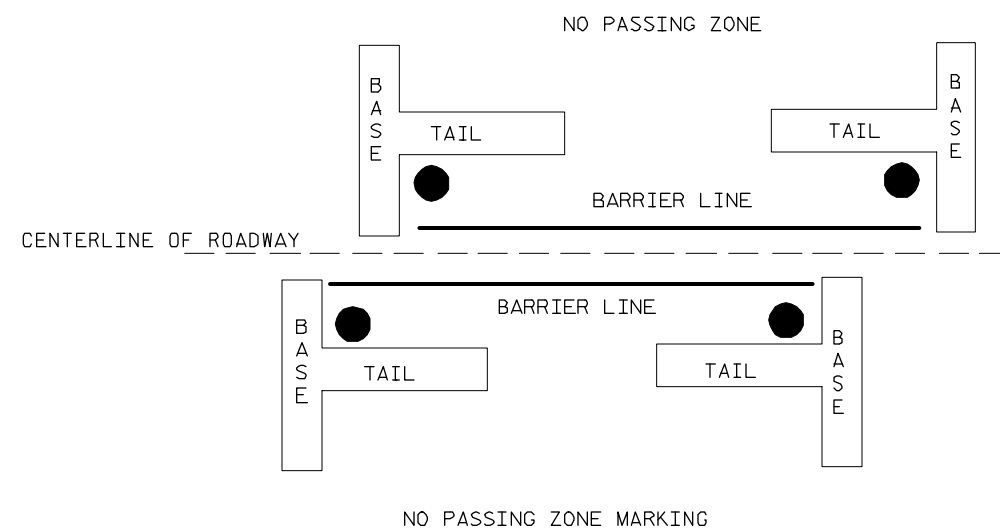


SPOTTING "T"

1. DOT. INDICATES THE CENTER OF THE ROAD.
2. BASE. INDICATES THE BEGINNING AND THE END OF A BARRIER LINE.
3. TAIL. INDICATES ON WHICH SIDE OF THE CENTER OF THE ROAD A BARRIER SHALL BE PLACED.



DOUBLE "T"



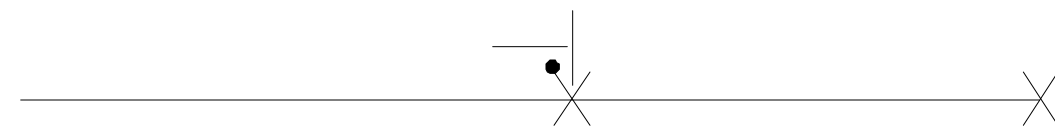
LINE EXTENSION

"X": AN "X" ON THE END OF THE LINE INDICATES THAT IT NEEDS TO BE EXTENDED OR THIS PORTION OF THE LINE NEEDS TO BE REMOVED. EXAMPLES FOLLOW



INDICATES LINE EXTENSION TO THE "T"

LINE REMOVAL



INDICATES LINE REMOVAL BETWEEN THE "X"

NO-PASSING BARRIER LINE CRITERIA

YELLOW CENTER LINE MARKINGS CRITERIA

1. NO-PASSING BARRIER LINES, 500 FEET IN LENGTH, SHALL BE MARKED ON AN UNDIVIDED STH APPROACH IN THE FOLLOWING INTERSECTION SITUATIONS:
- THE STH TRAFFIC IS CONTROLLED BY A STOP SIGN.

-THE INTERSECTION WITH THE STH IS CONTROLLED BY A SIGNAL.

-AT A T-INTERSECTION WITH A STANDARD BY PASS LANE THAT ALLOWS VEHICLES PROCEEDING STRAIGHT TO PASS TO THE RIGHT OF A LEFT TURNING VEHICLE WITHOUT LEAVING THE PAVED PORTION OF THE HIGHWAY. A 500 FOOT BARRIER LINE SHALL BE INSTALLED PRIOR TO THE START OF THE BYPASS TAPER.
2. A NO-PASSING BARRIER LINE SHALL BE MARKED IN THE FOLLOWING NON-INTERSECTION SITUATIONS:
- DIVIDED HIGHWAYS. THE MARKING CONFIGURATION SHALL EXTEND A BARRIER LINE 500 FEET IN ADVANCE OF THE ISLAND OR MEDIAN NOSE SO PASSING IS PROHIBITED ENTERING INTO THE DIVIDED HIGHWAY.

- FLUSH PAINTED MEDIAN ISLANDS. THE MARKING CONFIGURATION SHALL EXTEND A BARRIER LINE 500 FEET IN ADVANCE OF THE SEPARATION OF THE DOUBLE YELLOW CENTERLINE.

- BRIDGES HAVING A WIDTH LESS THEN 24 FEET. THE MARKING SHALL INCLUDE A 500 FOOT BARRIER IN ADVANCE OF THE ACTUAL STRUCTURE.

- RAIL ROAD GRADE CROSSINGS. THE BARRIER LINE SHALL BE PLACED 500 FEET PRIOR TO EACH APPROACH.

- PASSING LANES. THE PAVEMENT MARKING CONFIGURATION SHALL EXTEND A BARRIER LINE 500 FEET IN ADVANCE OF THE BEGINNING TAPER. A BYPASS LANE FOR AN INTERSECTION IS NOT CONSIDERED A PASSING LANE UNDER THIS GUIDELINE.

- TRUCK CLIMBING LANES. THE PAVEMENT MARKING CONFIGURATION SHALL EXTEND A BARRIER LINE 500 FEET IN ADVANCE OF THE BEGINNING TAPER.

- UNDIVIDED 4 LANE ROADWAYS. ROADWAY SECTIONS WITH THIS CONFIGURATION SHALL HAVE THE OPPOSING LANES DESIGNATED BY A BARRIER LINE FOR ITS ENTIRE LENGTH AND SHALL HAVE BARRIER LINES OF 500 FEET ON THE APPROACHES TO THIS SECTION.

- STH & USH HIGHWAYS INTERSECTING ANOTHER STH & USH HIGHWAY. A 500 FOOT BARRIER LINE SHALL BE PLACED ON ALL APPROACHES.

- EXCEPTIONS:

LOCATIONS WHERE EXCEPTIONS TO THE STANDARDS ARE PERMITTED AND HAVE BEEN APPROVED BY A REGIONAL TRAFFIC ENGINEER. THESE LOCATIONS WILL BE DOCUMENTED IN THE PLAN.

1. CENTER LINES SHALL BE MARKED ON TWO-LANE ROADWAYS THROUGH ALL INTERSECTIONS WITH LOCAL ROADS.
2. THE FOLLOWING GUIDANCE IDENTIFIES THE EXCEPTIONS TO YELLOW CENTER LINE MARKING, WHERE THE CENTERLINE SHALL NOT BE MARKED:
- DO NOT INSTALL THROUGH INTERSECTIONS WHERE THE STH OR USH OPERATION IS MORE THAN TWO LANES.

- DO NOT INSTALL THROUGH INTERSECTIONS WHERE IH, USH AND/OR STH ROADWAYS MEET EACH OTHER.

- DO NOT INSTALL THROUGH SIGNALIZED INTERSECTIONS.

- DO NOT INSTALL THROUGH INTERSECTIONS WHERE ALLROADWAY APPROACHES ARE CONTROLLED BY A STOP SIGN (4-WAY STOP).

- DO NOT INSTALL THROUGH MAJOR INTERSECTIONS WITH OPPOSING LEFT TURN LANES.

- DO NOT INSTALL THROUGH INTERSECTIONS WITH A LEFT TURN LANE OPPOSING A RAISED OR PAINTED MEDIAN ISLAND.

- DO NOT INSTALL THROUGH STOP LINES OR MARKED CROSSWALKS.

DATE 20MAR13		E S T I M A T E O F Q U A N T I T I E S			
LINE				9227-01-18	
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	1,181,260.000	1,181,260.000
0040	646.0116	PAVEMENT MARKING EPOXY 6-INCH	LF	20.000	20.000
0050	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	32,915.000	32,915.000
0060	646.0136	PAVEMENT MARKING EPOXY 12-INCH	LF	93.000	93.000
0070	646.0600	REMOVING PAVEMENT MARKINGS	LF	72,204.000	72,204.000
0080	646.0841.S	PAVEMENT MARKING GROOVED WET REFLECTIVE CONTRAST TAPE 4-INCH	LF	184.000	184.000
0090	647.0156	PAVEMENT MARKING ARROWS EPOXY TYPE 1	EACH	3.000	3.000
0100	647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	EACH	35.000	35.000
0110	647.0176	PAVEMENT MARKING ARROWS EPOXY TYPE 3	EACH	5.000	5.000
0120	647.0196	PAVEMENT MARKING ARROWS EPOXY TYPE 5	EACH	2.000	2.000
0130	647.0356	PAVEMENT MARKING WORDS EPOXY	EACH	27.000	27.000
0140	647.0456	PAVEMENT MARKING CURB EPOXY	LF	1,609.000	1,609.000
0150	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	1,082.000	1,082.000
0160	647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	EACH	5.000	5.000
0170	647.0716	PAVEMENT MARKING DIAGONAL EPOXY 8-INCH	LF	948.000	948.000
0180	647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	LF	1,366.000	1,366.000
0190	647.0803	PAVEMENT MARKING AERIAL ENFORCEMENT BARS EPOXY 24-INCH	LF	240.000	240.000
0200	648.0100	LOCATING NO-PASSING ZONES	MI	51.900	51.900
0210	ASP.1T0A	ON-THE-JOB TRAINING APPRENTICE AT \$5.00/HR	HRS	1,200.000	1,200.000
0220	ASP.1T0G	ON-THE-JOB TRAINING GRADUATE AT \$5.00/HR	HRS	300.000	300.000
0230	SPV.0045	SPECIAL 01. PORTABLE CHANGEABLE MESSAGE SIGN REMOTE CONTROL	DAY	7.000	7.000
0240	SPV.0090	SPECIAL 01. PAVEMENT MARKING REPLACE TAPE GROOVE WET REFLECTIVE CONTRAST EPOXY 4-INCH	LF	12,362.000	12,362.000
0250	SPV.0090	SPECIAL 02. PAVEMENT MARKING REPLACE TAPE GROOVED WET REFLECTIVE EPOXY 8-INCH	LF	2,414.000	2,414.000
0260	SPV.0090	SPECIAL 03. PAVEMENT MARKING REPLACE EPOXY GROOV ED WET REFLECTIVE CONTRAST EPOXY 4-INCH	LF	61,601.000	61,601.000
0270	SPV.0090	SPECIAL 04. PAVEMENT MARKING REPLACE INLAID TAPE GROOVED WET REFLECTIVE EPOXY 4-INCH	LF	6,005.000	6,005.000
0280	SPV.0090	SPECIAL 05. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH	LF	646,917.000	646,917.000
0290	SPV.0090	SPECIAL 06. PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 8-INCH	LF	3,577.000	3,577.000

MAP REF#	MILES	COUNTY	HWY	CATEGORY 010 BEGIN	END	646.0106 PAVEMENT MARKING EPOXY 4-INCH		646.0126 PAVEMENT MARKING EPOXY 8-INCH	646.0600 REMOVING PAVEMENT MARKINGS	646.0841.S GROOVED WET REFLECTIVE CONTRAST 4-INCH TAPE		SPV.0045.01 PORTABLE CHANGEABLE MESSAGE SIGN REMOTE CONTROL DAY	SPV.0090.01 PAVEMENT MARKING REPLACE TAPE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH LF	SPV.0090.02 PAVEMENT MARKING REPLACE TAPE GROOVED WET REFLECTIVE CONTRAST EPOXY 8-INCH LF	SPV.0090.03 PAVEMENT MARKING REPLACE EPOXY GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH LF	SPV.0090.04 PAVEMENT MARKING REPLACE INLAID TAPE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH LF
						YELLOW LF	WHITE LF	WHITE LF	LF	WHITE LF	YELLOW LF	LF	LF	LF	LF	LF
801	7.7	DOUGLAS	USH 53 NB	MILEPOST 200 MEDIAN CROSSEOVERS:	2000' SOUTH OF WASKO RD /NORTH END BRIDGE BALDWIN AVE / CTH A / CTH AA / HARROUN RD	40,660	48,940	4,145	---	---	---	---	---	---	---	---
802	2.4	WASHBURN	USH 53 NB	MILEPOST 185 MEDIAN CROSSEOVERS:	2200' NORTH OF MILEPOST 187 OLD BUSINESS 53 / WALLACE RD	12,940	14,325	2,990	---	---	---	---	---	---	---	---
803	2.3	WASHBURN	USH 53 SB	2650' SOUTH OF LAKESIDE RD / BLUE SIGN	425' NORTH OF MILEPOST 185 / TRANSFER ST	11,600	15,005	2,000	---	---	---	---	---	---	---	---
804	2.4	WASHBURN	USH 53 SB	425' NORTH OF MILEPOST 185 / TRANSFER ST	2200' SOUTH OF MILEPOST 183 /WAYSIDE X-OVER	12,510	18,150	425	---	---	---	---	---	---	---	---
805	0.1	WASHBURN	USH 53 NB	2060' NORTH OF MILEPOST 190	MEDIAN CROSSOVER TO NORTHWOODS SCHOOL	95	---	---	---	---	---	---	---	---	---	---
806	2.1	BAYFIELD	STH 13	740' NORTH OF THOMPSON RD / SOUTH END BRIDGE	130' NORTH OF SUPERIOR AVE / WASHBURN	6,510	8,535	200	---	---	---	---	---	---	---	---
807	7.0	ASHLAND	STH 77	820' WEST OF NFR 335	140' WEST OF HENNES RD	23,800	73,425	---	---	---	---	---	---	---	---	---
808	9.8	DOUGLAS	STH 27	BAYFIELD / DOUGLAS CO LINE	350' SOUTH OF RUSH LAKE RD	38,100	---	---	38,100	---	---	---	---	---	---	---
809	4.5	BURNETT	STH 48	STH 87 SOUTH JCT	STH 70 / GRANTSBURG	10,700	---	---	---	---	---	---	---	---	---	---
810	4.7	BURNETT	STH 70	WIS / MINN STATE LINE (WEST END OF BRDG)	STH 48 EAST / GRANTSBURG	23,900	---	---	---	---	---	---	---	---	---	---
811	7.6	POLK	STH 87	270TH AVE	STH 48 EAST JCT	43,450	---	---	---	---	---	---	---	---	---	---
1R		BAYFIELD	USH 63	915' NORTH OF NAMAKAGON RIVER RD CENTERLINE - NEED TO CUT OUT DASHES	BETWEEN NAMAKAGON RIVER RD & SHORT RD	---	---	---	290	---	---	---	---	---	---	---
801	0.1	TAYLOR	STH 13	CTH O INTERSECTION	OLD ASPHALT EACH SIDE OF INTERSECTION	730	2,310	1,010	---	---	---	---	---	---	---	---
802	0.5	TAYLOR	STH 13	MINK AVE / STETSONVILLE	150' NORTH OF FINCH AVE / STETSONVILLE	5,470	---	---	5,470	---	---	---	---	---	---	---
803	0.8	CLARK	STH 73	CLEAR WATER DR/SOUTH END BRIDGE/GREENWOOD	HUNT ST / GREENWOOD	4,360	211	---	---	---	---	---	---	---	---	---
804	0.5	CLARK	STH 13	BUSINESS 29 / ABBOTSFORD	270' NORTH OF PINE ST /ABBOTSFORD	4,725	1,495	120	---	---	---	---	---	---	---	---
805	15.6	CLARK	USH 10	210' WEST OF BOONE BLVD / NEILLSVILLE	CLARK / WOOD CO LINE	97,050	---	---	---	---	---	---	---	---	---	---
806	4.6	CLARK	STH 98	STH 73 REMOVE YELLOW CENTERLINE	HELM ST / LOYAL	26,280	47,655	465	26,280	---	---	---	---	---	---	---
807	23.2	CLARK	STH 29 EB & WB	BRUCE MOUND RD RAMPS: STH 73 EXIT 118 / CTH X EXIT 122 MAINLINE LANELINES WR CONTRAST 4" EPOXY	CLARK / MARATHON CO LINE CTH E EXIT 127 / HI LINE EXIT 131	255,315	254,350	20,950	---	---	---	---	---	---	61,601	---
808	4.4	EAU CLAIRE	USH 53 NB & SB	CTH AA / GOLF RD / NORTH SIDE RAMPS RAMP: USH 12 MAINLINE LANELINES WR CONTRAST 4" EPOXY	STH 312 / NORTH SIDE	---	---	---	---	---	---	4	12,362	2,287	---	---
809		EAU CLAIRE	STH 93 NB	USH 53 EXIT 87 RAMP	COLLECTOR RAMP	---	---	---	---	---	---	---	---	127	---	---
811		CHIPPEWA	STH 178	STH 29 / EXIT 79 / CHIPPEWA FALLS GUIDE THRU INTERSECTION TO 29 EB & 29 WB	CYCLE 2' DASH 6' SPACE	---	---	---	---	68	---	---	---	---	---	---
2R		CHIPPEWA	STH 178	OLSON RD / CHIPPEWA FALLS	REMOVE STOP LINE IN TURN BAYS NB & SB	---	---	---	140	---	---	---	---	---	---	---
612	5.7	ST CROIX	I 94 EB	520' WEST OF CTH T / EXIT 16 EDGE LINE ON MAINLINE ONLY	120' EAST OF MILE POST 22	---	26,200	---	---	---	---	---	---	---	---	---
613		ST CROIX	USH 12	I 94 / EXIT 4 GUIDE THRU INTERSECTION TO 12 EB	CYCLE 2' DASH 6' SPACE	---	---	---	---	30	---	1	---	---	---	---
614		ST CROIX	USH 63	I 94 / EXIT 19 GUIDE THRU INTERSECTION TO 63 NB	CYCLE 2' DASH 6' SPACE	---	---	---	---	---	---	---	---	---	---	---
SHEET TOTAL						618,195	509,601	32,305	70,280	98	---	5	12,362	2,414	61,601	---

MAP REF#	MILES	COUNTY	HWY	CATEGORY 010		646.0106 PAVEMENT MARKING EPOXY 4-INCH		646.0126 PAVEMENT MARKING EPOXY 8-INCH	646.0600 REMOVING PAVEMENT MARKINGS	646.0841.S GROOVED WET REFLECTIVE CONTRAST 4-INCH TAPE		SPV.0045.01 PORTABLE CHANGEABLE MESSAGE SIGN REMOTE CONTROL DAY	SPV.0090.01 PAVEMENT MARKING REPLACE TAPE GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH	SPV.0090.02 PAVEMENT MARKING REPLACE TAPE GROOVED WET REFLECTIVE EPOXY 8-INCH	SPV.0090.03 PAVEMENT MARKING REPLACE EPOXY GROOVED WET REFLECTIVE CONTRAST EPOXY 4-INCH	SPV.0090.04 PAVEMENT MARKING REPLACE INLAID TAPE GROOVED WET REFLECTIVE EPOXY 4-INCH
				BEGIN	END	YELLOW LF	WHITE LF	WHITE LF		WHITE LF	YELLOW LF		LF	LF	LF	LF
616		ST CROIX	STH 35	CTH C NORTH / SOMERSET GUIDE THRU INTERSECTION TO CTH C NORTH LEFT EDGE LINE	CYCLE 2' DASH 6" SPACE	---	---	---	---	---	22	---	---	---	---	---
618		ST CROIX	STH 64	STH 65 / NEW RICHMOND GUIDE THRU INTERSECTION TO STH 65 NORTH GUIDE THRU INTERSECTION TO STH 65 SOUTH LEFT EDGE LINE	CYCLE 2' DASH 6" SPACE	---	---	---	---	---	64	---	---	---	---	---
617	4.4	JACKSON	1 94 WB	MONROE / JACKSON CO LINE LANE LINES ON MAINLINE	MILE POST 128	---	---	---	---	---	---	2	---	---	---	6,005
618		JACKSON	1 94 EB & WB	STH 54 / EXIT 116 / BLACK RIVER FALLS	4 RAMP	3,615	8,535	560	---	---	---	---	---	---	---	---
619	6.9	PIERCE	STH 72	CTH BB / EAST END OF BRDGE	1000' EAST OF 560TH AVE	39,100	---	---	---	---	---	---	---	---	---	---
SHEET TOTAL						42,715	8,535	560	---	---	86	2	---	---	---	6,005
GRAND TOTAL						680,910	518,136	32,865	70,280	98	86	7	12,362	2,414	81,801	6,005

MAP REF#	MILES	COUNTY	HWY	CATEGORY 020		SPV.0090.05 PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE LF	SPV.0090.06 PAVEMENT MARKING GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE LF
				BEGIN	END		
620	15.6	CLARK	USH 10	210' WEST OF BOON BLVD / NEILLSVILLE	CLARK / WOOD CO LINE	182,582	2,025
621	14.1	POLK	STH 65	ST CROIX / POLK CO LINE	USH 8	147,989	531
622	4.2	PIERCE	STH 72	1000' EAST OF 560TH AVE	320' WEST OF STH 128 / ELMWOOD	44,025	226
623	7.4	TAYLOR	STH 102	CTH D / RIB LAKE	TAYLOR / PRICE CO LINE	75,303	100
624	8.7	JACKSON	STH 121	425' WEST OF WATERTOWER RD / NORTHFIELD	STH 65	90,417	236
625	4.0	DUNN	STH 170	STH 25 / WHEELER	250' WEST OF CTH D	42,430	---
626	8.3	DUNN	STH 79	STH 170 WEST JCT / BOYCEVILLE	STH 64	84,171	480
						646,917	3,577

MAP REF#	MILES	COUNTY	HWY	Category 30 BEGIN	END	646.0106	646.0126	646.0600	647.0166	647.0456	647.0726
						PAVEMENT MARKING EPOXY 4-INCH YELLOW	PAVEMENT MARKING EPOXY 8-INCH WHITE	REMOVING PAVEMENT MARKING	PAVEMENT MARKING ARROWS EPOXY TYPE 2	PAVEMENT MARKING CURB EPOXY - YELLOW	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH - YELLOW
						LF	LF	LF	EA	LF	LF
627	2 CITY BLOCKS	PIERCE	USH 10	PIETY ST/ ELLSWORTH	BEEBE ST/ ELLSWORTH	2,214	50	1,924	5	1,569	81
						2,214	50	1,924	5	1,569	81

COUNTY DOUGLAS
MAP REFERENCE DOUGLAS 06
MAP REFERENCE HWY 53
MAP REFERENCE SITE ID BALDWIN AVE - SOUTH OF SOLON SPRINGS

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	USH 53		BALDWIN AVE		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0716	PAVEMENT MARKING, DIAGONAL, EPOXY, 8-INCH	SM-DIAGONAL-YELLOW	MEDIAN CROSSOVER	L.F.			65		65

MAP REFERENCE DOUGLAS 15
MAP REFERENCE HWY 53
MAP REFERENCE SITE ID OLD BUSINESS 53 - SOLON SPRINGS

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	USH 53		FRONTAGE RD		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	FRONTAGE ROAD	L.F.				22	22
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	FRONTAGE ROAD	L.F.			30		30

MAP REFERENCE DOUGLAS 22
MAP REFERENCE HWY 53
MAP REFERENCE SITE ID CTH AA - NORTH OF SOLON SPRINGS

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	USH 53		CTH AA		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MEDIAN CROSSOVER	L.F.			14	19	33

COUNTY WASHBURN
MAP REFERENCE WASHBURN 04
MAP REFERENCE HWY 53 NB
MAP REFERENCE SITE ID OLD BUSINESS 53 - TRANSFER RD - MINONG

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	USH 53		BUSINESS 53		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	FRONTAGE ROAD	L.F.			11	21	32

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MAP REFERENCE WASHBURN 10
MAP REFERENCE HWY 53
MAP REFERENCE SITE ID WAYSIDE 3300 FT NORTH OF MILE POST 182 - MINONG

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	USH 53		WAYSIDE		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MEDIAN CROSSOVER	L.F.			20	20	40

MAP REFERENCE WASHBURN 13
MAP REFERENCE HWY 53
MAP REFERENCE SITE ID NORTHWOODS SCHOOL -2060 FT NORTH OF MILEPOST 190

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	USH 53		MEDIAN CROSSOVER		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MEDIAN CROSSOVER	L.F.					57

MAP REFERENCE WASHBURN 14
MAP REFERENCE HWY 53
MAP REFERENCE SITE ID OLD BUSINESS 53 - MINONG

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	USH 53		OLD USH 53		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MEDIAN CROSSOVER	L.F.			40	30	70

MAP REFERENCE WASHBURN 15
MAP REFERENCE HWY 53
MAP REFERENCE SITE ID STH 77 - MINONG

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	USH 53		STH 77		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0716	PAVEMENT MARKING, DIAGONAL, EPOXY, 8-INCH	SM-DIAGONAL-YELLOW	MEDIAN CROSSOVER	L.F.			142		142
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MEDIAN CROSSOVER	L.F.			25	25	50

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MAP REFERENCE WASHBURN 1000
MAP REFERENCE HWY 53
MAP REFERENCE SITE ID SCHAUB RD - BETWEEN MILEPOST 170 & 171

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	USH 53		SCHAUB RD		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0803	PAVEMENT MARKING,AERIAL ENFORCEMENT BARS, EPOXY, 24-INCH NEW INSTALLATION CONTACT SGT STEVE TAPE FOR EXACT LOCATIONS 715-839-3800	SM-AERIAL BARS	SHOULDER	L.F.	60	60			120

COUNTY TREMPEALAEAU CO
MAP REFERENCE TREMPEALAEAU 1000
MAP REFERENCE HWY 94
MAP REFERENCE SITE ID MILE POST 119

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT			I 94	I 94	TOTAL QUANTITY
					NB	SB	EB	WB	
647.0803	PAVEMENT MARKING, AERIAL ENFORCEMENT BARS, EPOXY, 24-INCH NEW INSTALLATION CONTACT SGT STEVE TAPE FOR EXACT LOCATIONS 715-839-3800	SM-AERIAL BARS	SHOULDER	L.F.			60	60	120

COUNTY CHIPPEWA
MAP REFERENCE CHIPPEWA 28
MAP REFERENCE HWY 124
MAP REFERENCE SITE ID STH 64 - E OF BLOOMER

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 124		STH 64		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.	33				33

MAP REFERENCE CHIPPEWA 39
MAP REFERENCE HWY 124
MAP REFERENCE SITE ID 140TH ST - N OF CHIPPEWA FALLS

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 124		140TH ST		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0166	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH		2			2
647.0726	PAVEMENT MARKING, DIAGONAL, EPOXY, 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.	100	111			211
647.0356	PAVEMENT MARKING, WORDS, EPOXY	SM-ONLY	MEDIAN ISLAND	EACH		1			1

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MAP REFERENCE CHIPPEWA 40
MAP REFERENCE HWY 124
MAP REFERENCE SITE ID CTH S - N OF CHIPPEWA FALLS - ROUNDABOUT

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 124		CTH S		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0456	PAVEMENT MARKING, CURB, EPOXY	SM-CURB-YELLOW	MEDIAN ISLAND	L.F.	10	10	10	10	40
647.0726	PAVEMENT MARKING, DIAGONAL, EPOXY, 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.	29	31	15	15	90
647.0606	PAVEMENT MARKING, ISLAND NOSE, EPOXY	SM-ISLAND NOSE-YELLOW	MEDIAN ISLAND	EACH	1	1	1	1	4
646.0136	PAVEMENT MARKING, EPOXY, 12-INCH	SM-RA-DOTTED EL-W	ROUNDABOUT APPROACH LANE	L.F.	24	21	24	24	93
647.0356	PAVEMENT MARKING, WORDS, EPOXY	SM-YIELD	ROUNDABOUT APPROACH LANE	EACH	1	1	1	1	4

MAP REFERENCE CHIPPEWA 48
MAP REFERENCE HWY 124
MAP REFERENCE SITE ID 136TH ST - CHIPPEWA FALLS (NORTH SIDE OF INTERSECTION ONLY)

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 124		136TH ST		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0716	PAVEMENT MARKING, DIAGONAL, EPOXY, 8-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.		468			468

COUNTY CLARK
MAP REFERENCE CLARK 01
MAP REFERENCE HWY 13
MAP REFERENCE SITE ID BUSINESS 29 - SPRUCE ST - ABBOTSFORD

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 13		SPRUCE ST/BUSINESS 29		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0166	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	2	2			4
647.0356	PAVEMENT MARKING, WORDS, EPOXY	SM-ONLY	LEFT TURN LANE	EACH	1	1			2
646.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	LF	43	24			67

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MAP REFERENCE CLARK 02
MAP REFERENCE HWY 10
MAP REFERENCE SITE ID CTH K - GRANTON

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	CTH K		USH 10		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0156	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 1	SM-ARROW-1	MAINLINE	EACH			2		2
647.0166	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH			2		2
647.0726	PAVEMENT MARKING, DIAGONAL, EPOXY, 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.			43	180	223
647.0356	PAVEMENT MARKING, WORDS, EPOXY	SM-ONLY	LEFT AND RIGHT TURN LANES	EACH			4		4

MAP REFERENCE CLARK 04B
MAP REFERENCE HWY 73
MAP REFERENCE SITE ID USH 10 - NEILLSVILLE

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 73		USH 10		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0166	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 2	SM-ARROW-2-R	RIGHT TURN LANE	EACH	2				2
647.0356	PAVEMENT MARKING, WORDS, EPOXY	SM-ONLY	RIGHT TURN LANE	EACH	1				1
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.	29				29

MAP REFERENCE CLARK 07
MAP REFERENCE HWY 13
MAP REFERENCE SITE ID CTH A - DORCHESTER

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 13		CTH A		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0166	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	1	1			2
647.0166	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 2	SM-ARROW-2-R	RIGHT TURN LANE	EACH	1	1			2
647.0716	PAVEMENT MARKING, DIAGONAL, EPOXY, 8-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.	141	132			273
647.0356	PAVEMENT MARKING, WORDS, EPOXY	SM-ONLY	LEFT AND RIGHT TURN LANES	EACH	2	2			4

MAP REFERENCE CLARK 08A
MAP REFERENCE HWY 29
MAP REFERENCE SITE ID CTH E - CURTISS - EXIT 127

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	CTH E		STH 29		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	L.F.			49		49

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MAP REFERENCE CLARK 08B
MAP REFERENCE HWY 29
MAP REFERENCE SITE ID CTH E - CURTISS - EXIT 127

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	CTH E		STH 29		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	L.F.				50	50

MAP REFERENCE CLARK 09A
MAP REFERENCE HWY 29
MAP REFERENCE SITE ID CTH X - CARDINAL AVE - OWEN - EXIT 122

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	CTH X		STH 29		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	L.F.			40		40

MAP REFERENCE CLARK 09B
MAP REFERENCE HWY 29
MAP REFERENCE SITE ID CTH X - CARDINAL AVE - OWEN - EXIT 122

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	CTH X		STH 29		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	L.F.				39	39

MAP REFERENCE CLARK 13
MAP REFERENCE HWY 10
MAP REFERENCE SITE ID OEM AVENUE - EAST OF NEILLSVILLE

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	OEM AVENUE		USH 10		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0166	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH			2		2
647.0726	PAVEMENT MARKING, DIAGONAL, EPOXY, 12-INCH	SM-DIAGONAL-YELLOW	MEDIAN ISLAND	L.F.			125	310	435
647.0606	PAVEMENT MARKING, ISLAND NOSE, EPOXY	SM-ISLAND NOSE-YELLOW	MEDIAN ISLAND	EACH			1		1
647.0356	PAVEMENT MARKING, WORDS, EPOXY	SM-ONLY	LEFT TURN LANE	EACH			2		2

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MAP REFERENCE CLARK 14
MAP REFERENCE HWY 98
MAP REFERENCE SITE ID STH 73 - S OF GREENWOOD

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 73		DOVE RD	STH 98	TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.				54	54

MAP REFERENCE CLARK 15A
MAP REFERENCE HWY 29
MAP REFERENCE SITE ID BUSINESS 29 - HILINE AVE - ABBOTSFORD - EXIT 131

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	BUS 29 - HILINE AVE		STH 29		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	L.F.			29		29

MAP REFERENCE CLARK 16
MAP REFERENCE HWY 73
MAP REFERENCE SITE ID STH 95 - S OF NEILLSVILLE

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 95		STH 73		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH		L.F.				43	43

MAP REFERENCE CLARK 24
MAP REFERENCE HWY 98
MAP REFERENCE SITE ID CTH K NORTH - LOYAL

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	CTH K		STH 98		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.			12		12

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MAP REFERENCE CLARK 25
MAP REFERENCE HWY 98
MAP REFERENCE SITE ID CTH K SOUTH - LOYAL

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	CTH K		STH 98		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.				14	14

COUNTY EAU CLAIRE
MAP REFERENCE EAU CLAIRE 03
MAP REFERENCE HWY 27
MAP REFERENCE SITE ID USH 12 - AUGUSTA

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 27		USH12		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.		38			38

MAP REFERENCE EAU CLAIRE 14
MAP REFERENCE HWY 93
MAP REFERENCE SITE ID BETWEEN TAMARA DR & CTH HH - SOUTH OF EAU CLAIRE

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 93		TAMARA DR		TOTAL QUANTITY
					NB	SB	EB	WB	
646.0116	PAVEMENT MARKING, EPOXY, 6-INCH MEASURED MILE COURSE (4 MARKINGS)	SP-EXCEPTION	EDGE LINE RIGHT	L.F.		20			20

MAP REFERENCE EAU CLAIRE 46D
MAP REFERENCE HWY 53
MAP REFERENCE SITE ID USH 12 - CLAIREMONT AVE - EAU CLAIRE - EXIT 87

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	USH 53		USH 12		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	L.F.		25			25

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COUNTY JACKSON
MAP REFERENCE JACKSON 04A
MAP REFERENCE HWY 94
MAP REFERENCE SITE ID STH 54 BLACK RIVER FALLS EXIT 116

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 54		IH 94		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	L.F.			34		34

MAP REFERENCE JACKSON 04B
MAP REFERENCE HWY 94
MAP REFERENCE SITE ID STH 54 BLACK RIVER FALLS EXIT 116

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 54		IH 94		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	OFF RAMP	L.F.				30	30

COUNTY PEPIN
MAP REFERENCE PEPIN 13
MAP REFERENCE HWY 10
MAP REFERENCE SITE ID 10TH ST - PEIPN / PIERCE CO LINE

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	10 TH ST		USH 10		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0196	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 5	SM-ARROW-5	SHOULDER	EACH			2		2

COUNTY PIERCE
MAP REFERENCE PIERCE 10A
MAP REFERENCE HWY 10
MAP REFERENCE SITE ID STH 65 - S MAPLE ST - ELLSWORTH

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 65	S MAPLE ST	USH 10		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0156	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 1	SM-ARROW-1	MAINLINE	EACH				1	1
647.0166	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH			2	2	4
647.0176	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 3	SM-ARROW-3-R	RIGHT TURN LANE	EACH			2	1	3
647.0356	PAVEMENT MARKING, WORDS, EPOXY	SM-ONLY	LEFT TURN LANE	EACH				1	1
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.			25	25	50

3

3

MAP REFERENCE PIERCE 10B
MAP REFERENCE HWY 65
MAP REFERENCE SITE ID USH 10 - S MAPLE ST - ELLSWORTH

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 65		USH 10		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0166	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 2	SM-ARROW-2-R	RIGHT TURN LANE	EACH		2			2
647.0176	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 3	SM-ARROW-3-L	MAINLINE	EACH		2			2
647.0356	PAVEMENT MARKING, WORDS, EPOXY	SM-ONLY	RIGHT TURN LANE	EACH		1			1
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	MAINLINE	L.F.		31			31

MAP REFERENCE PIERCE 11
MAP REFERENCE HWY 10
MAP REFERENCE SITE ID CTH C - EAST OF ELLSWORTH

BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	USH 63		USH 10		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0166	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH				2	2
647.0356	PAVEMENT MARKING, WORDS, EPOXY	SM-ONLY	LEFT TURN LANE	EACH				1	1

COUNTY TAYLOR
MAP REFERENCE TAYLOR 02
MAP REFERENCE HWY 13
MAP REFERENCE SITE ID CTH O - S OF MEDFORD

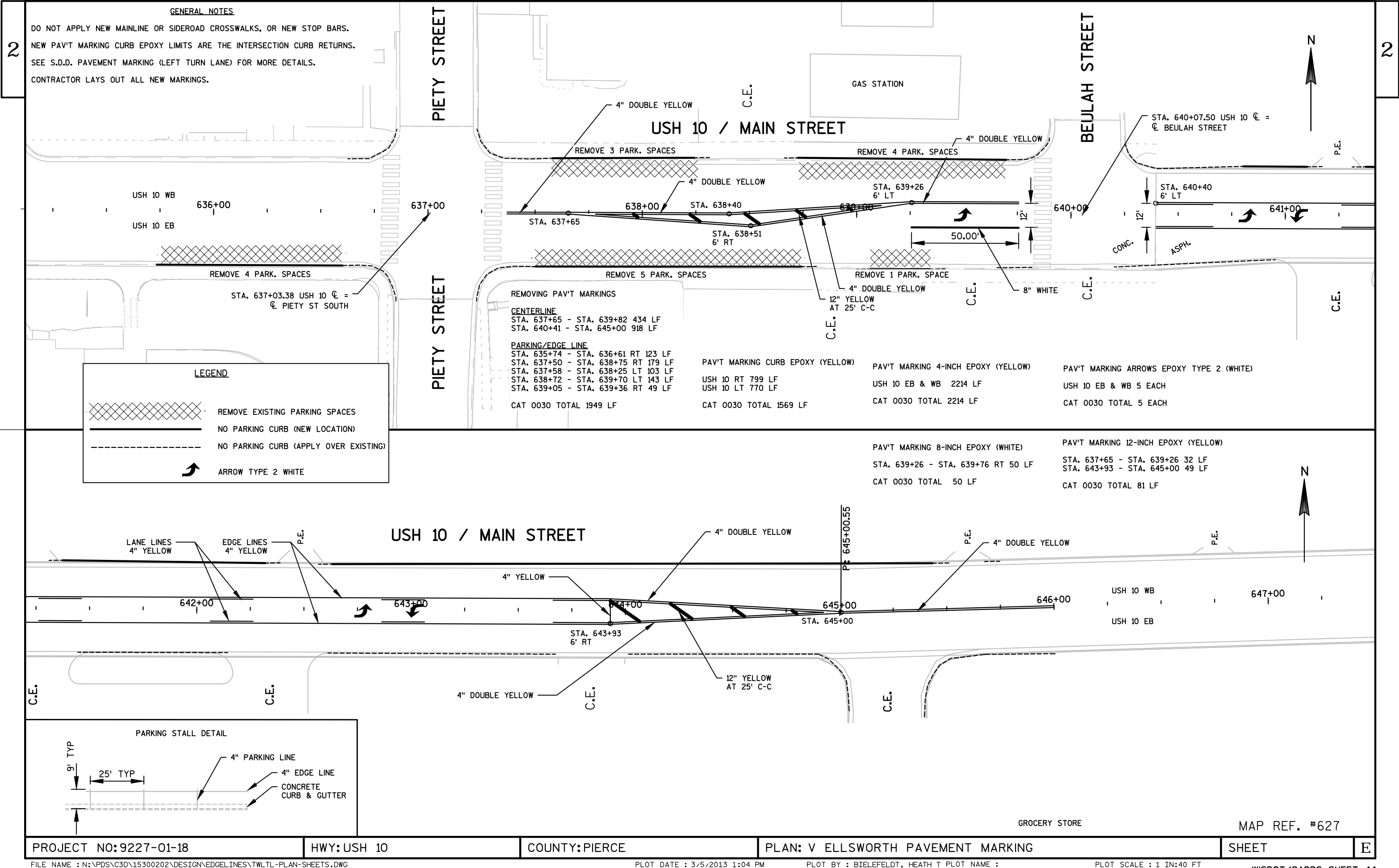
BID ITEM #	DESCRIPTION	SMCODE	MARKING LOCATION	UNIT	STH 13		CTH O		TOTAL QUANTITY
					NB	SB	EB	WB	
647.0166	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 2	SM-ARROW-2-L	LEFT TURN LANE	EACH	2	2			4
647.0166	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 2	SM-ARROW-2-R	RIGHT TURN LANE	EACH		2			2
647.0726	PAVEMENT MARKING, DIAGONAL, EPOXY, 12-INCH	SM-DIAGONAL-YELLOW	LEFT TURN LANE	L.F.	178	148			326
647.0356	PAVEMENT MARKING, WORDS, EPOXY	SM-ONLY	LEFT TURN LANE	EACH	2	4			6
647.0566	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	SM-STOPBAR-18-INCH	LEFT TURN LANE	L.F.	40	41			81

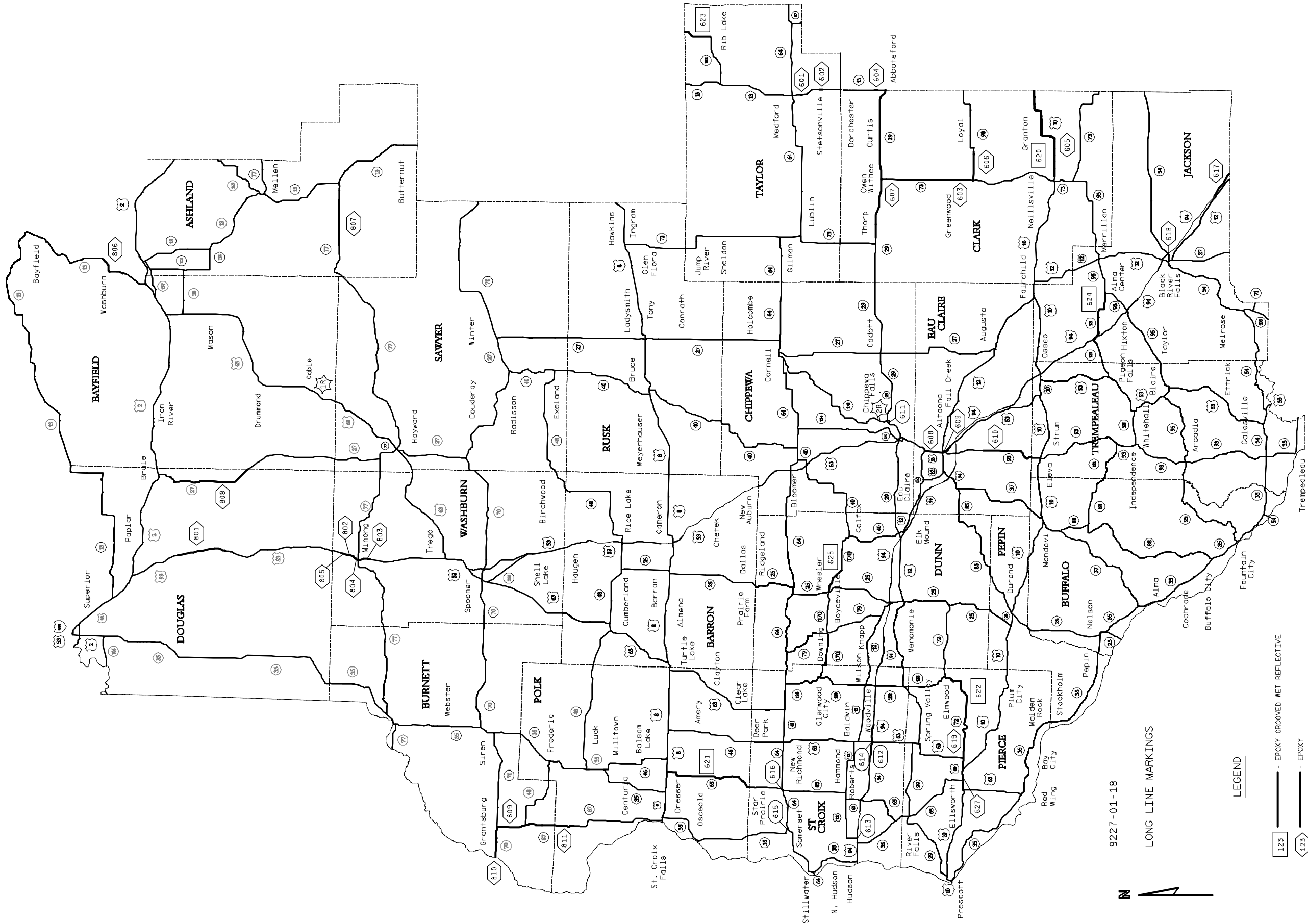
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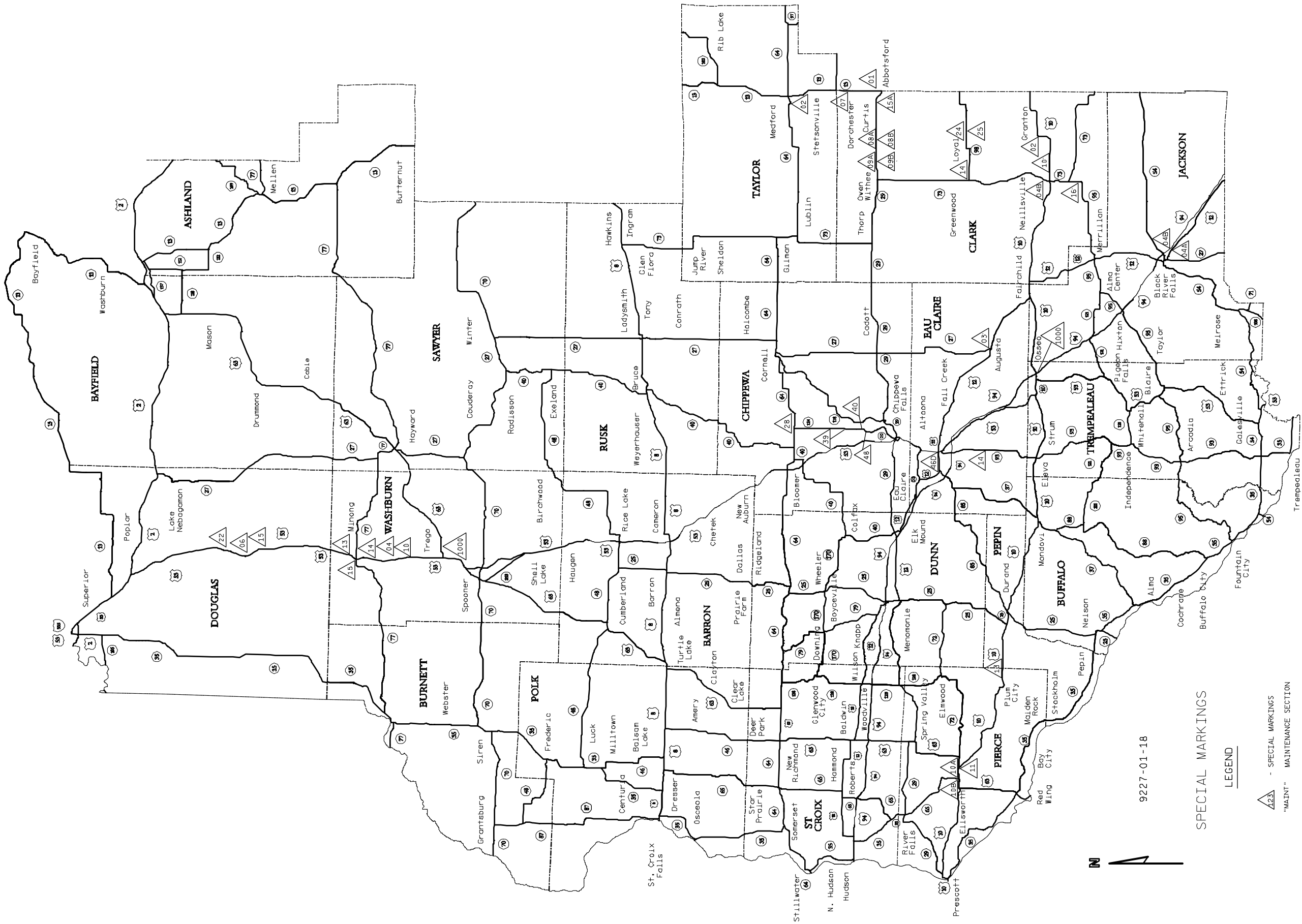
SPECIAL MARKING SUMMARY

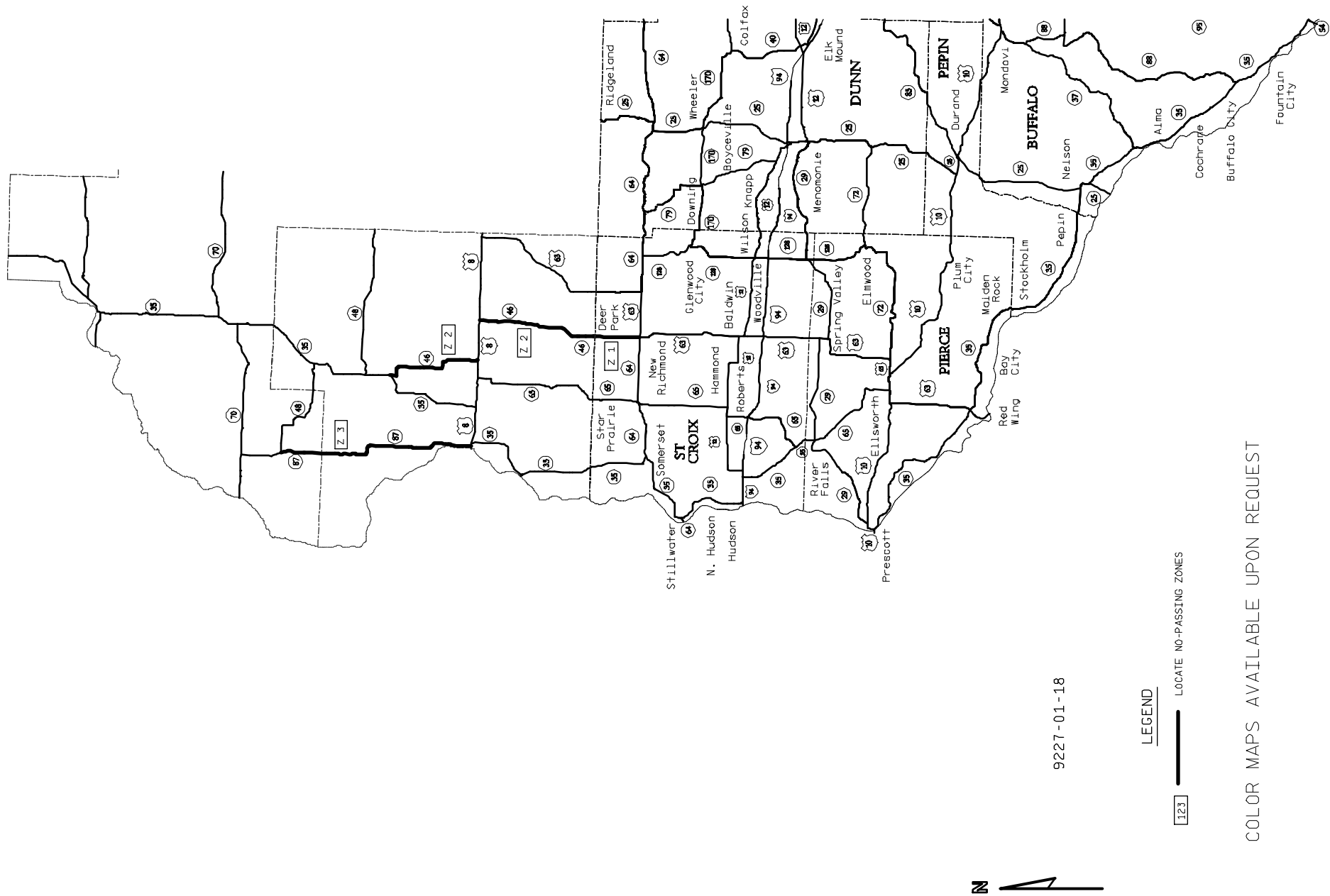
646.0116	PAVEMENT MARKING EPOXY 6-INCH	20	LF
646.0136	PAVEMENT MARKING EPOXY 12-INCH	93	LF
647.0156	PAVEMENT MARKING ARROWS EPOXY TYPE 1	3	EACH
647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	30	EACH
647.0176	PAVEMENT MARKING ARROWS EPOXY TYPE 3	5	EACH
647.0196	PAVEMENT MARKING ARROWS EPOXY TYPE 5	2	EACH
647.0356	PAVEMENT MARKING WORDS EPOXY	27	EACH
647.0456	PAVEMENT MARKING CURB EPOXY	40	LF
647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	1082	LF
647.0606	PAVEMENT MARKING ISLAND NOSE EPOXY	5	EACH
647.0716	PAVEMENT MARKING DIAGONAL EPOXY 8-INCH	948	LF
647.0726	PAVEMENT MARKING DIAGONAL EPOXY 12-INCH	1285	LF
647.0803	PAVEMENT MARKING AERIAL ENFORCEMENT BARS EPOXY 24-INCH	240	LF

648.0100 LOCATE NO PASSING ZONES						
MAP REF#	COUNTY	HWY	BEGIN	END	SIGHT DISTANCE	MI
Z1	ST CROIX	STH 46	USH 63 / STH 64	POLK CO LINE	0.21	5.0
Z2	POLK	STH 46	POLK CO LINE	USH 8 EAST JCT	0.21	13.3
			USH 8 WEST JCT	STH 35	0.21	11.4
Z3	POLK /BURNETT	STH 87	USH 8 / ST CROIX FALLS	STH 48 EAST JCT	0.21	22.2
TOTAL						51.9



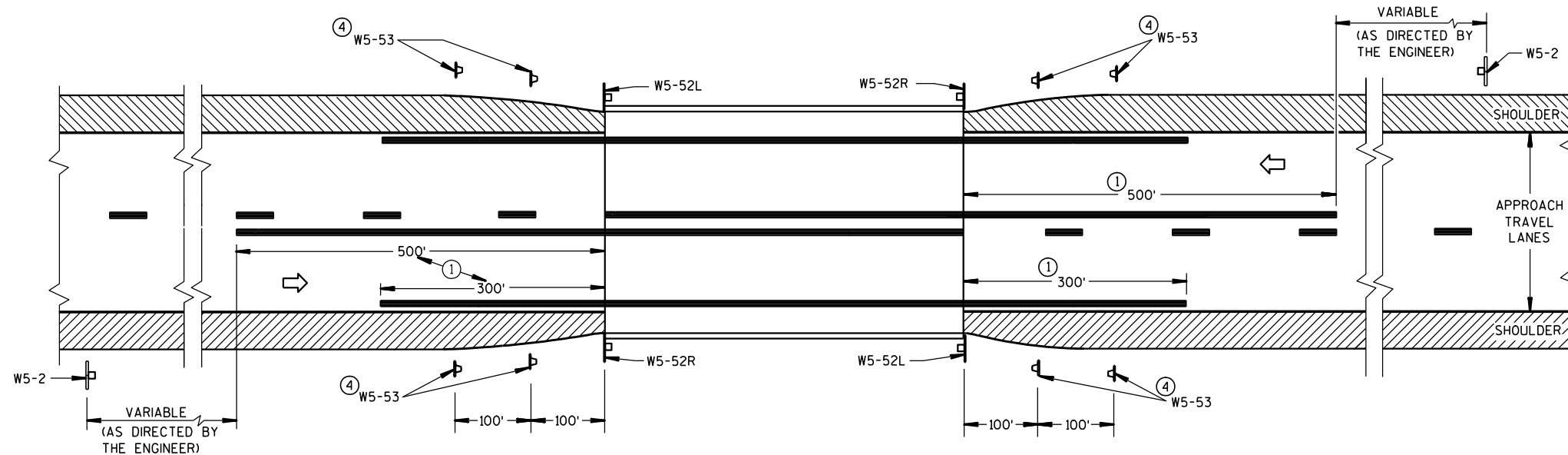






Standard Detail Drawing List

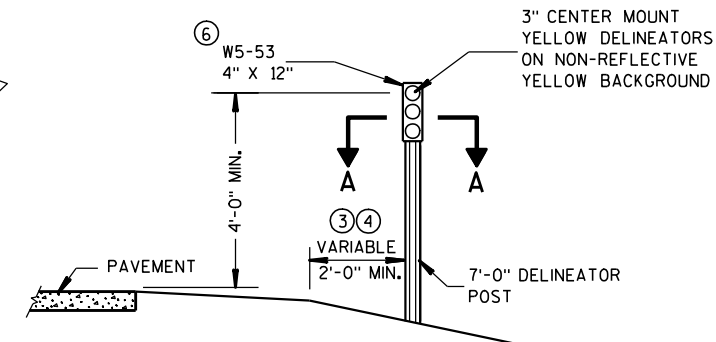
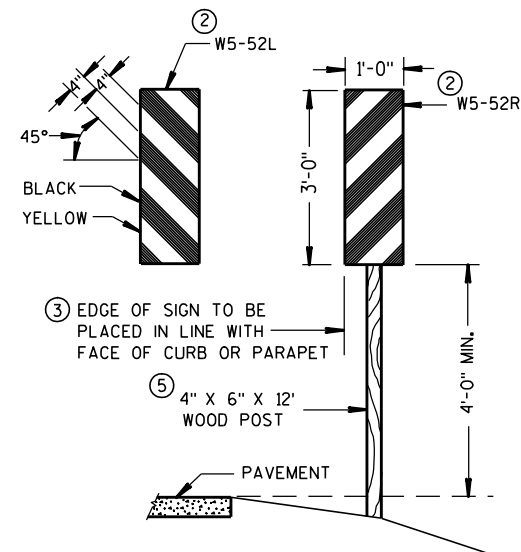
15C06-05	SIGNING & MARKING FOR TWO LANE BRIDGES
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15B	PAVEMENT MARKING (INTERSECTIONS)
15C08-15C	PAVEMENT MARKING (CLIMBING LANE & PASSING LANE)
15C08-15D	PAVEMENT MARKING (CLIMBING LANE & PASSING LANE)
15C08-15E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-15F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C10-10	PAVEMENT MARKINGS FOR DROP LANES FREEWAY/EXPRESSWAY
15C14-01	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C18-03	MEDIAN ISLAND MARKING
15C19-01A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-01B	MOVING PAVEMENT MARKING OPERATION MULTI -LANE UNDIVIDED ROADWAY
15C19-01C	MOVING PAVEMENT MARKING OPERATION MULTI -LANE DIVIDED ROADWAY
15C21-04	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15D12-02	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M. P. H.



SITUATION 1

WARRANTING CRITERION:

BRIDGE WIDTH IS AT LEAST 18 FEET BUT LESS THAN 24 FEET



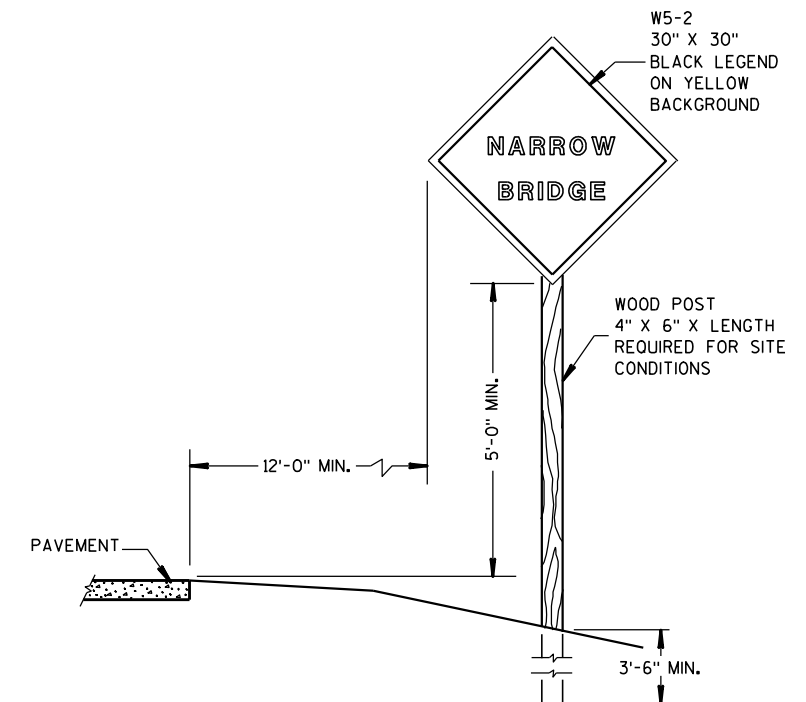
OBJECT MARKER PLACEMENT

GENERAL NOTES

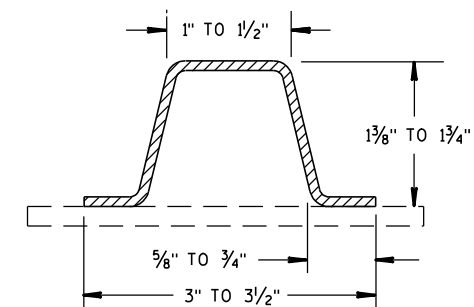
DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

PAVEMENT MARKING SHOWN ON THIS DRAWING IS NOT REQUIRED UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. WHEN SPECIFIED, PAVEMENT MARKING SHALL CONFORM TO THIS DRAWING AND OTHER CONTRACT REQUIREMENTS.

- ① MINIMUM DISTANCE UNLESS OTHERWISE SHOWN ON THE PLAN.
- ② FACE OF OBJECT MARKERS W5-52R AND W5-52L SHALL BE COVERED WITH TYPE H REFLECTIVE SHEETING.
- ③ LOCATE OBJECT MARKER POST(S) BEHIND GUARDRAIL WHEN PRESENT.
- ④ OBJECT MARKERS (W5-53) SHALL BE LOCATED ALONG A LINE FLARED AWAY FROM THE BRIDGE CORNER TO DELINEATE THE NARROWING OF THE SHOULDER OR BERM.
- ⑤ A 12 FOOT DELINEATOR POST MAY BE USED INSTEAD OF A WOOD POST.
- ⑥ NON-BID ITEM. INCIDENTAL TO OTHER ITEMS.



SIGN PLACEMENT



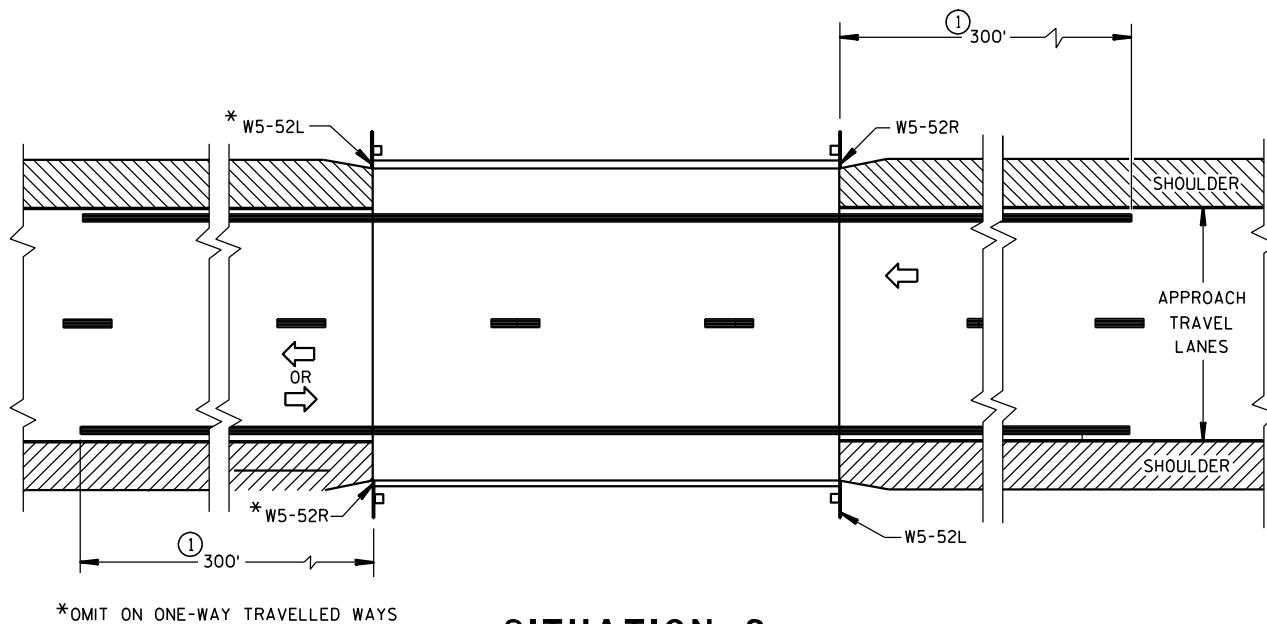
SECTION A-A

(MINIMUM WEIGHT 1.9 LBS. PER FT. AFTER GALVANIZING)

SITUATION 2

WARRANTING CRITERIA:

1. BRIDGE WIDTH IS AT LEAST 24 FEET AND
2. BRIDGE IS LESS THAN 6 FEET WIDER (ON EACH SIDE) THAN APPROACH TRAVEL LANES.



SIGNING & MARKING FOR TWO LANE BRIDGES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/5/06
DATE

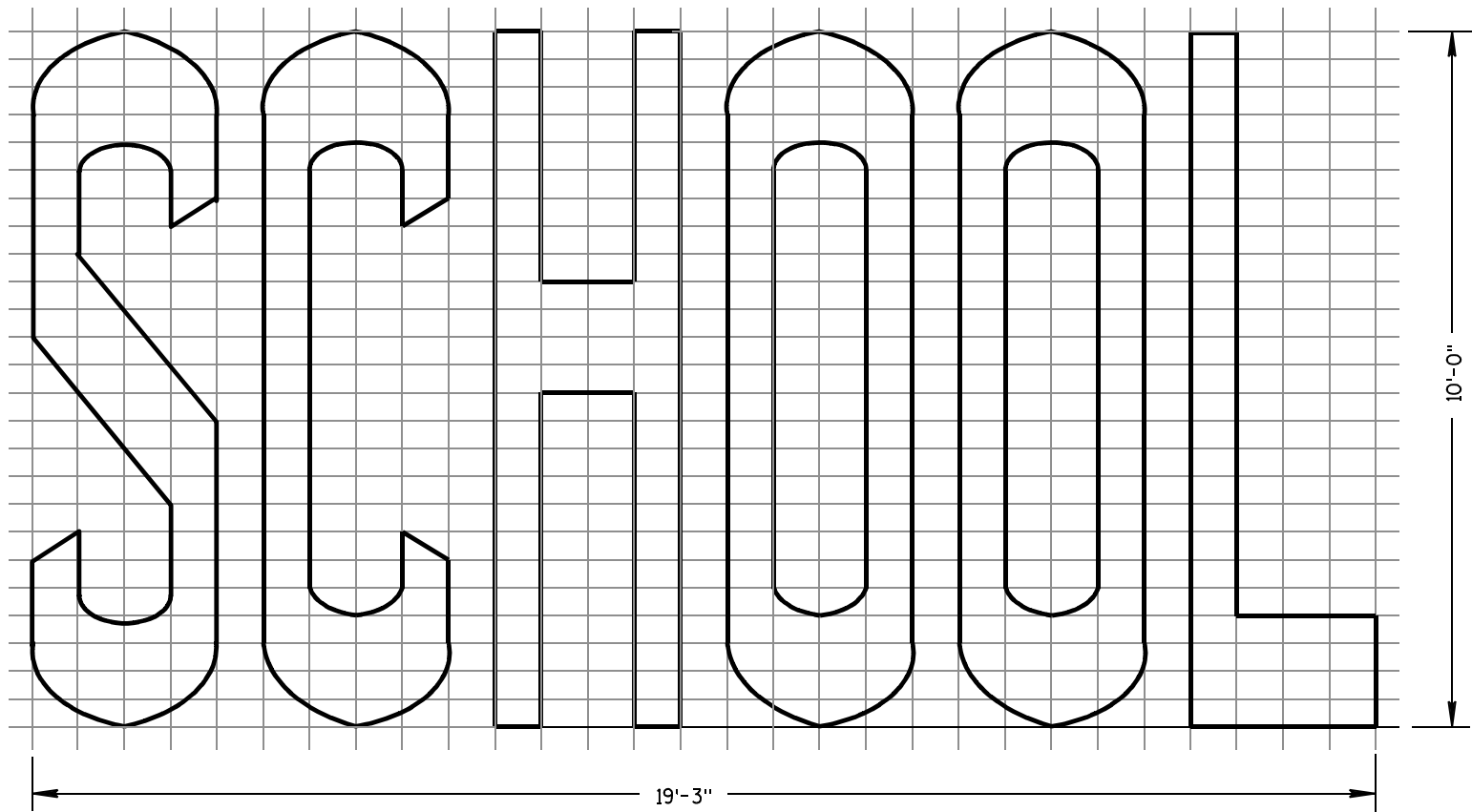
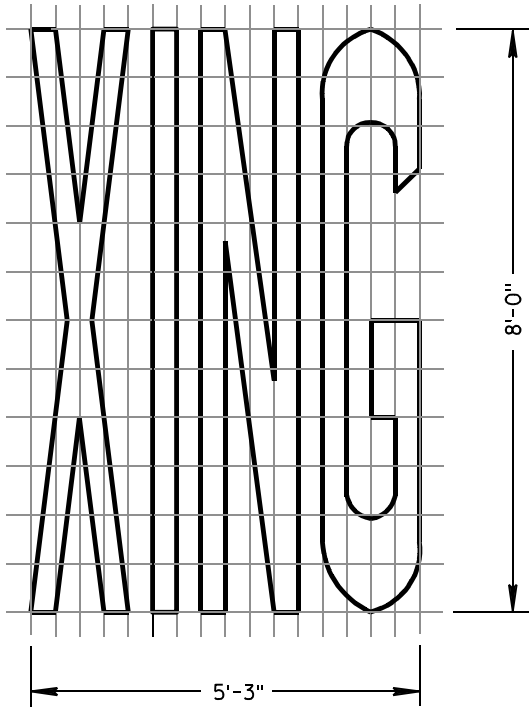
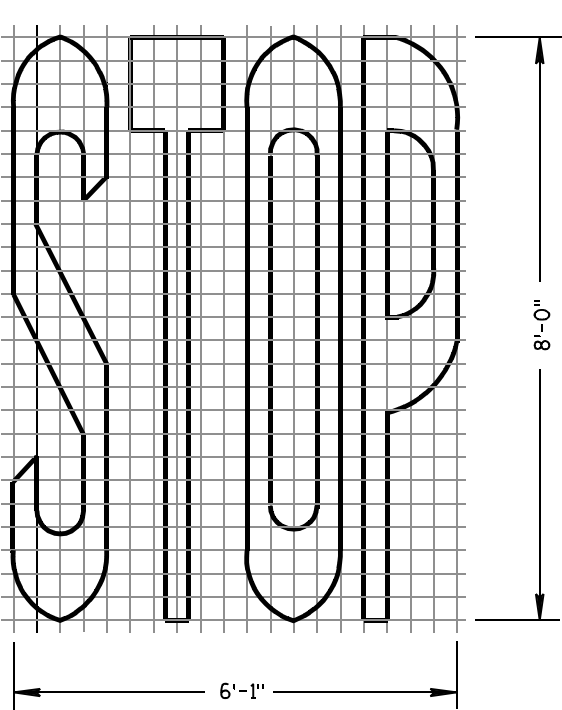
FHWA

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

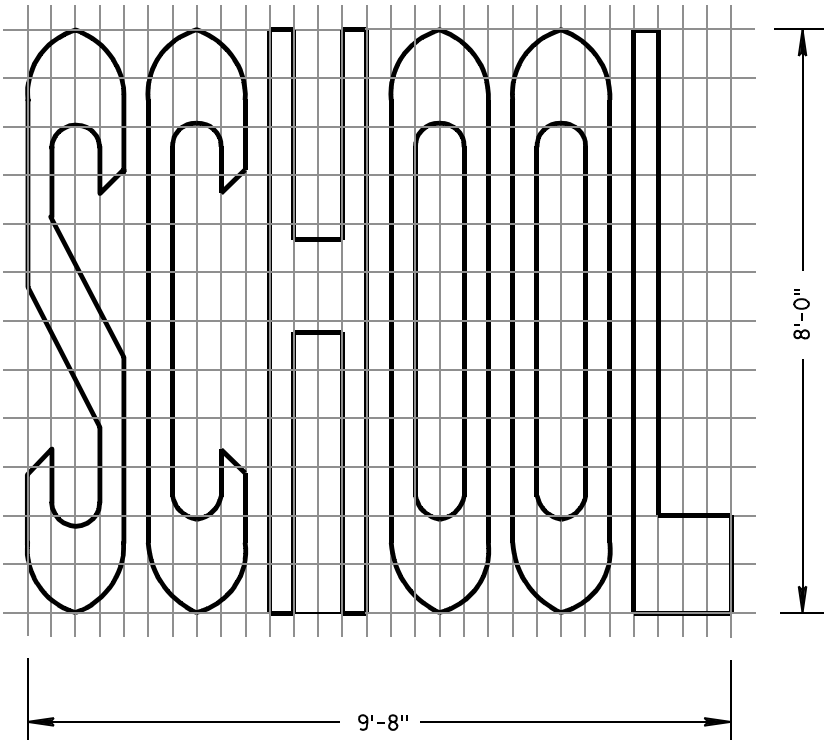
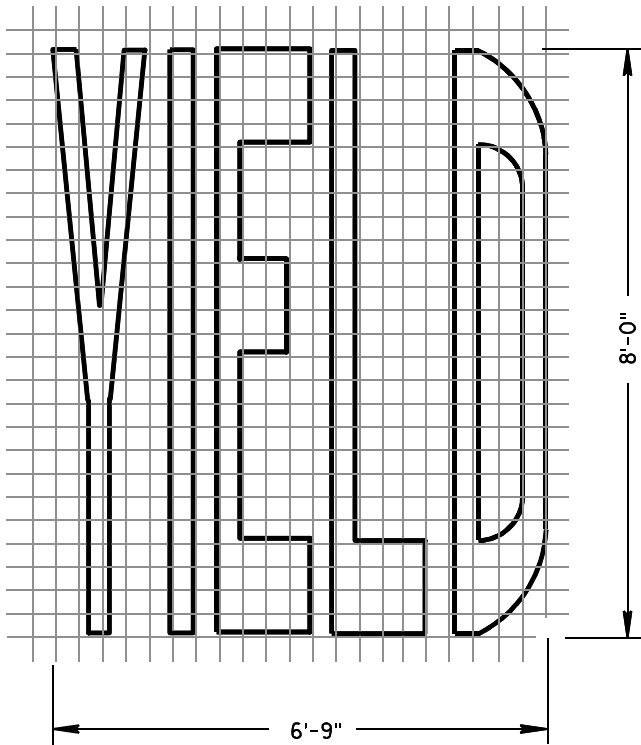
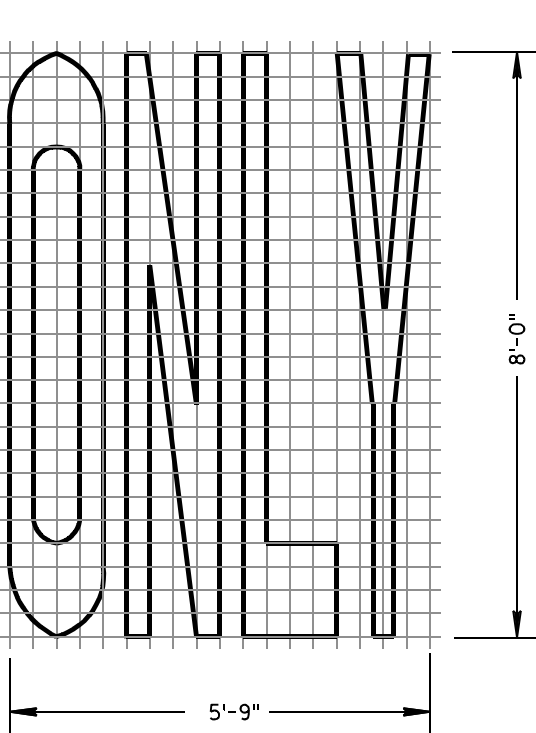
GENERAL NOTES

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.

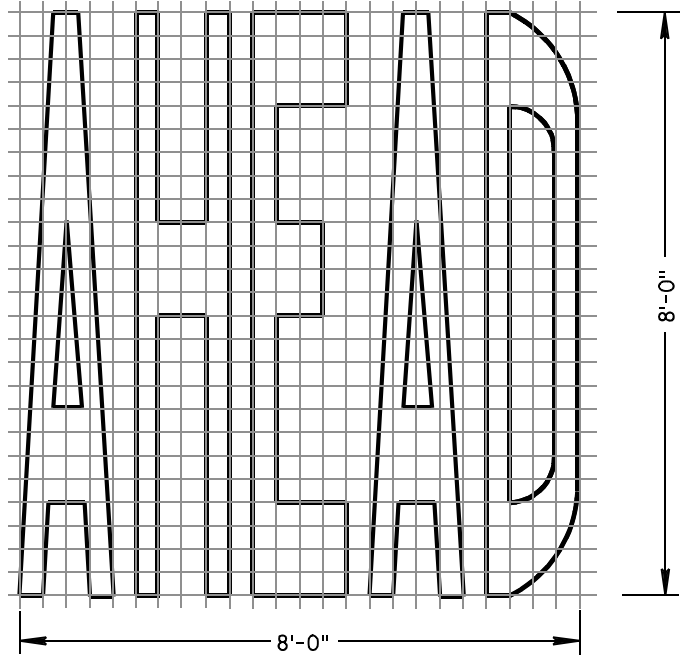
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES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



TWO-LANE



SINGLE-LANE



PAVEMENT MARKING WORDS

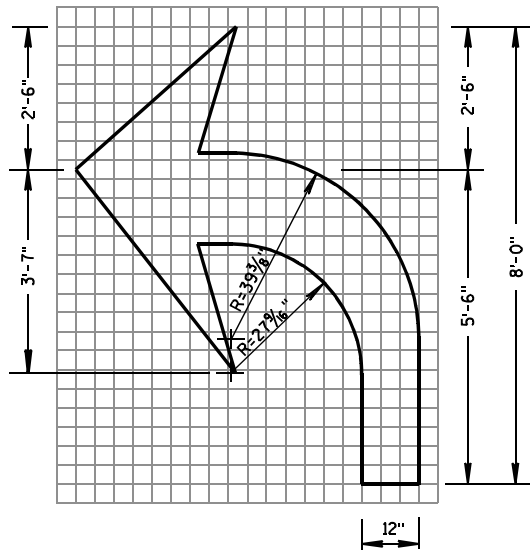
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

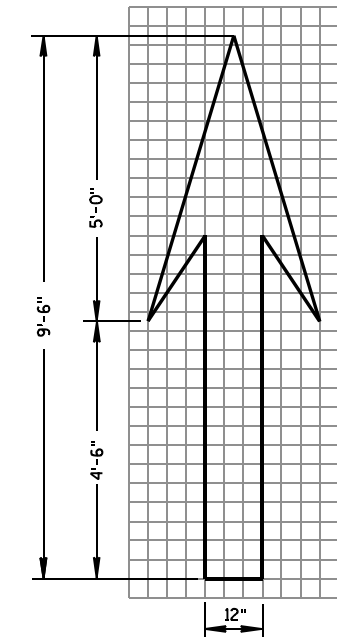
7-1-11
DATE

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

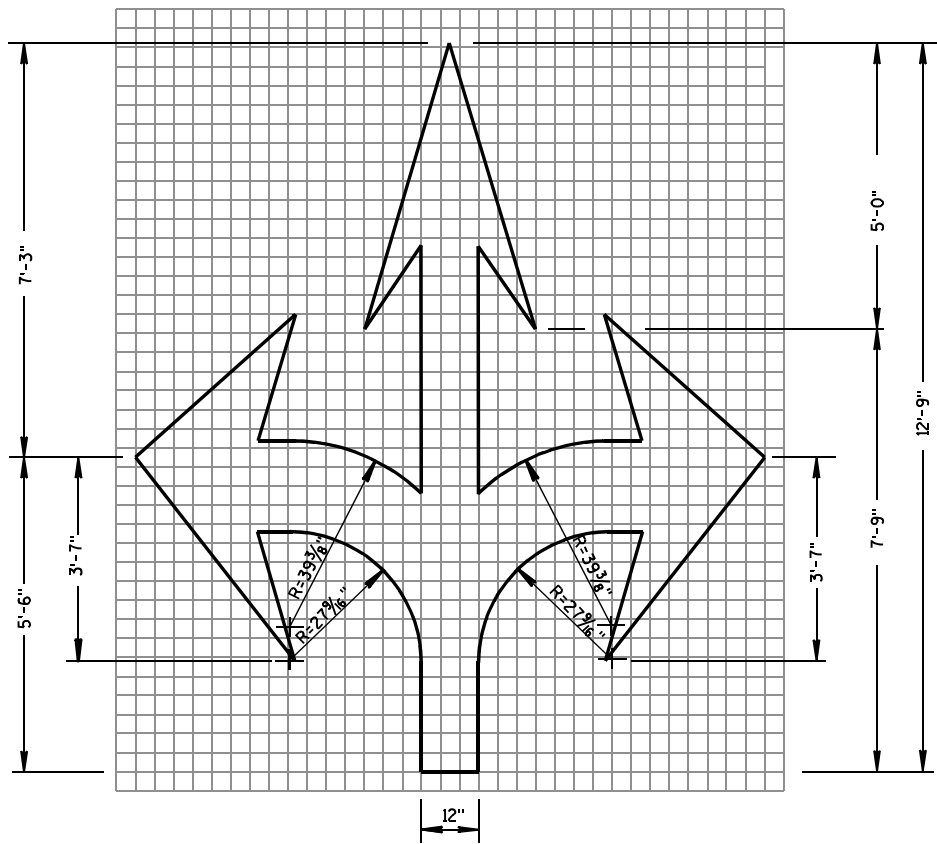
FHWA



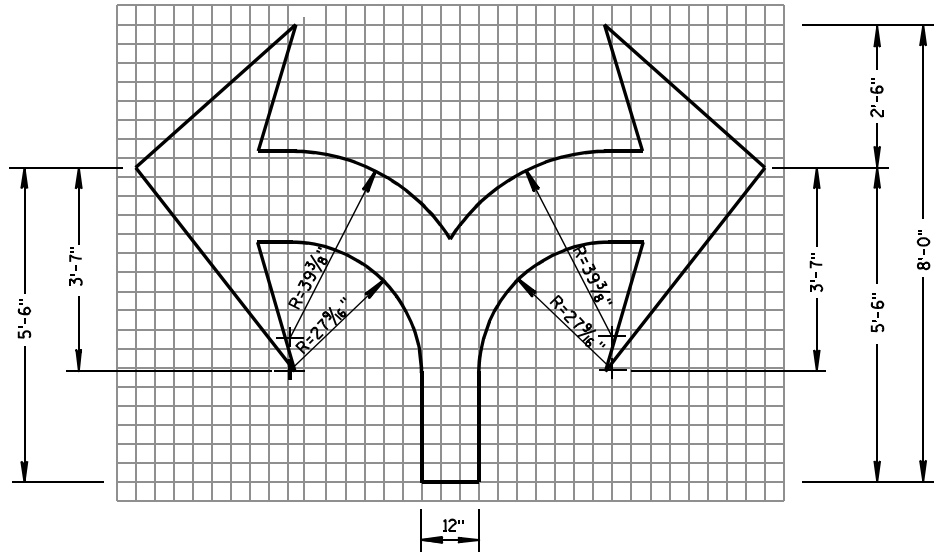
TYPE 2



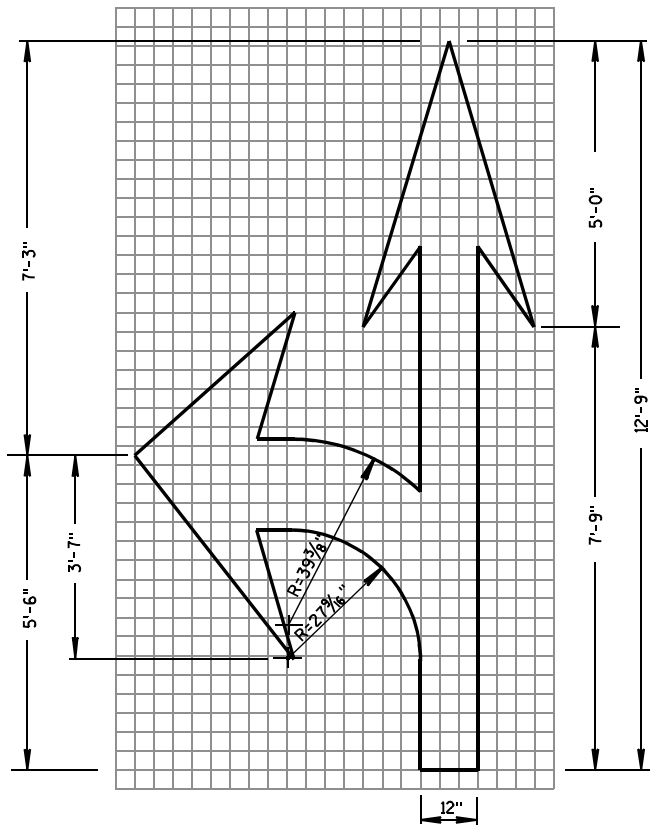
TYPE 1



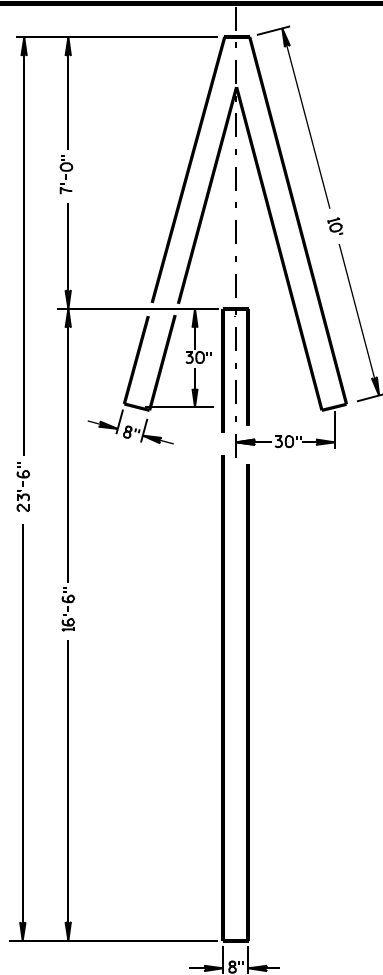
TYPE 6



TYPE 7



TYPE 3

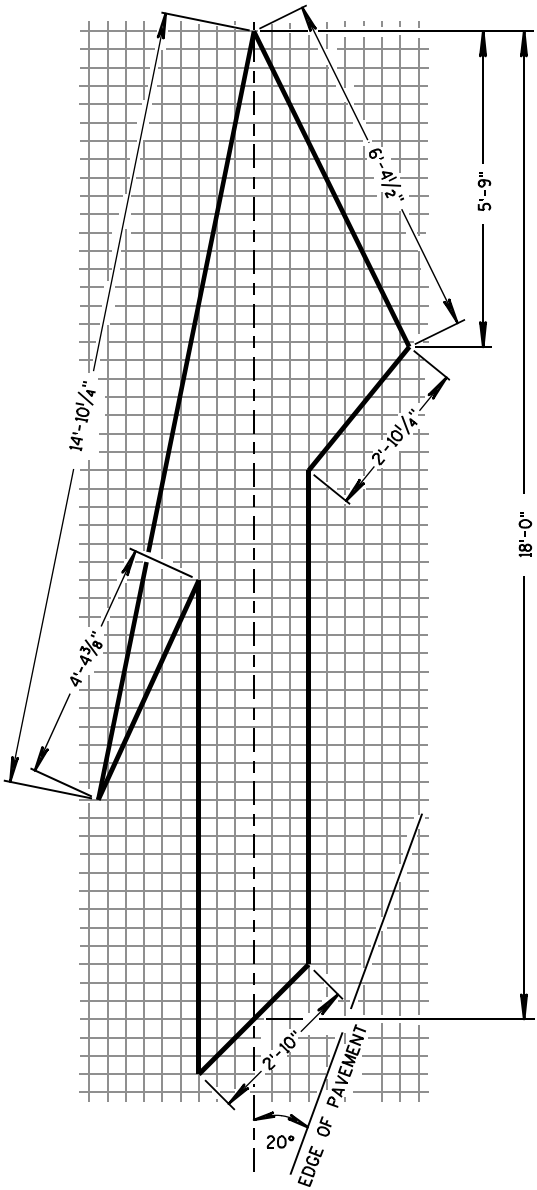


TYPE 4

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.

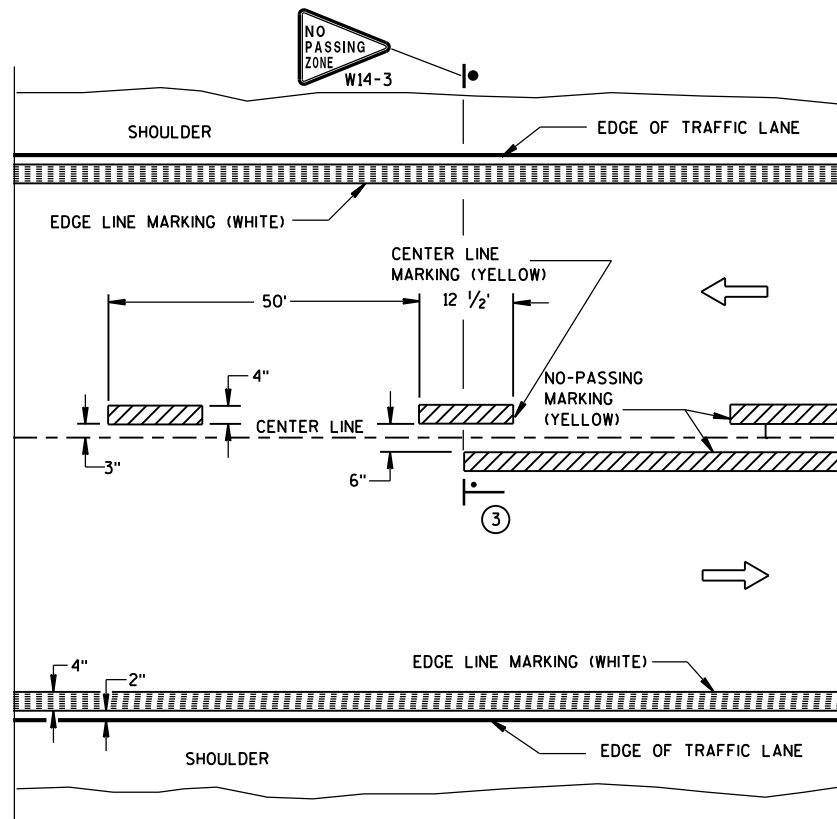


TYPE 5 LANE DROP ARROW

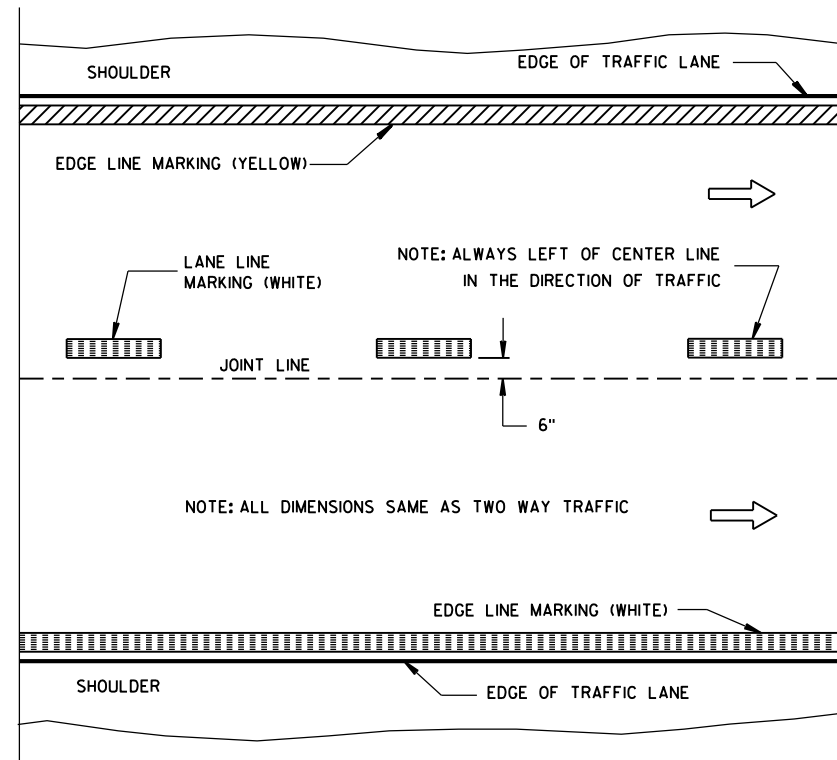
PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/1/11
DATE
/S/ Thomas N. Notbohm
STATE TRAFFIC ENGINEER OF DESIGN
FHWA

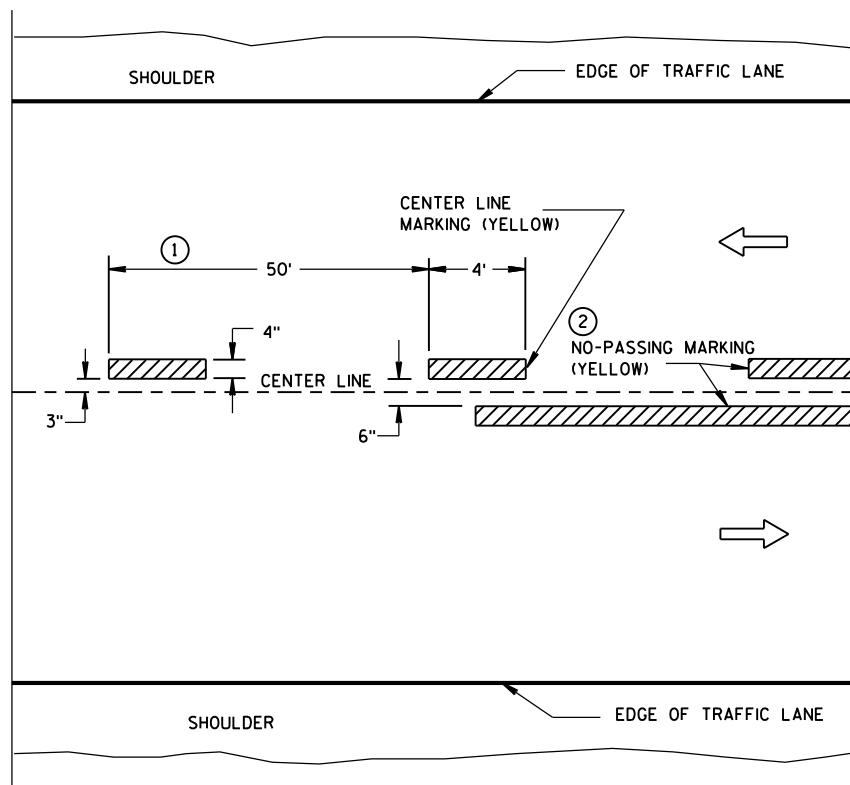


TWO WAY TRAFFIC

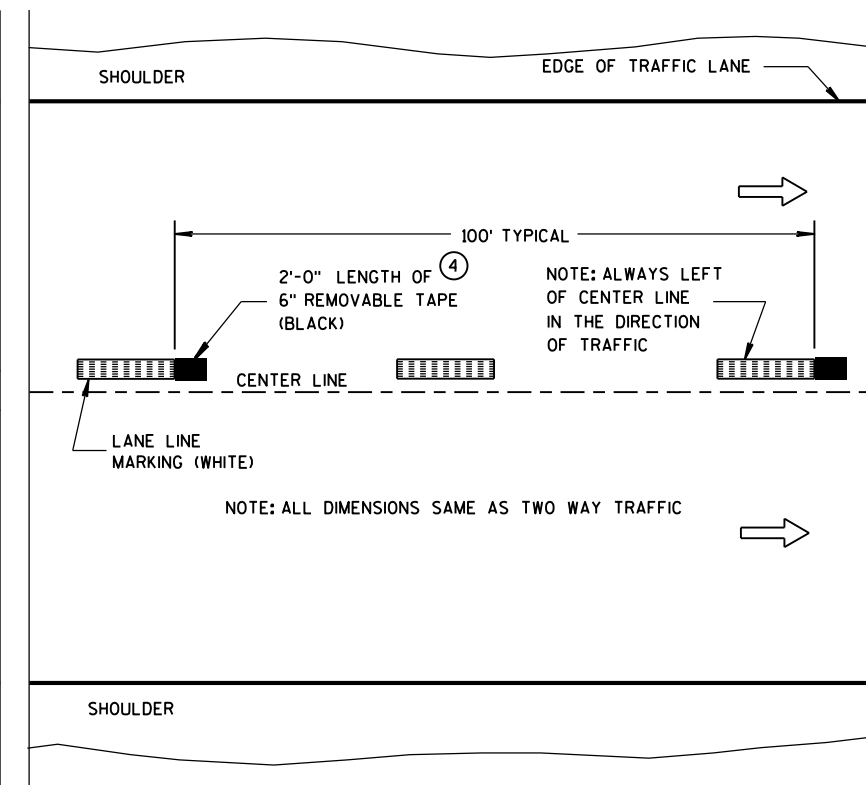


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

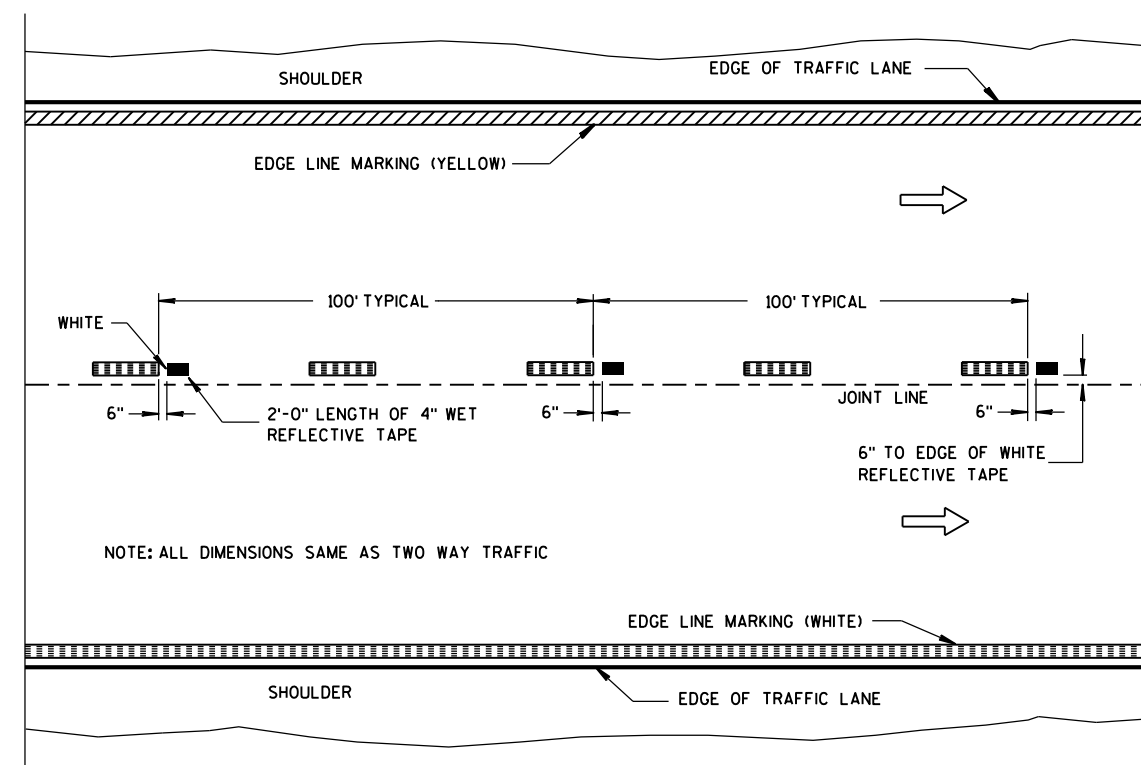
GENERAL NOTES

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

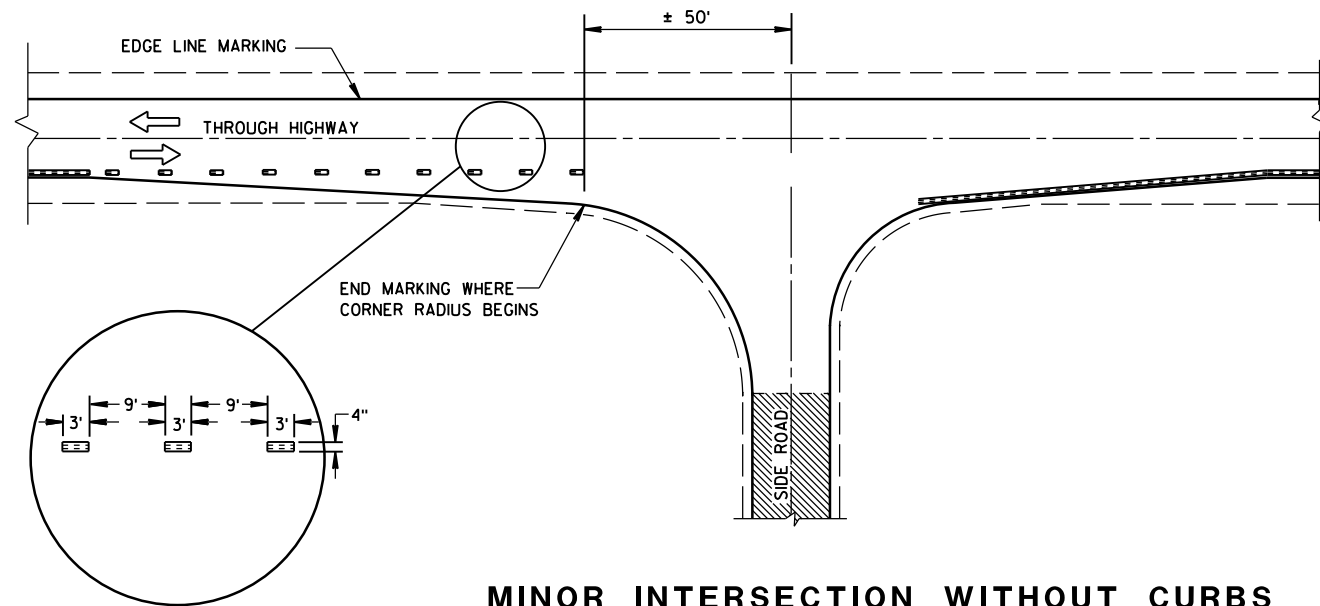
LEGEND

- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

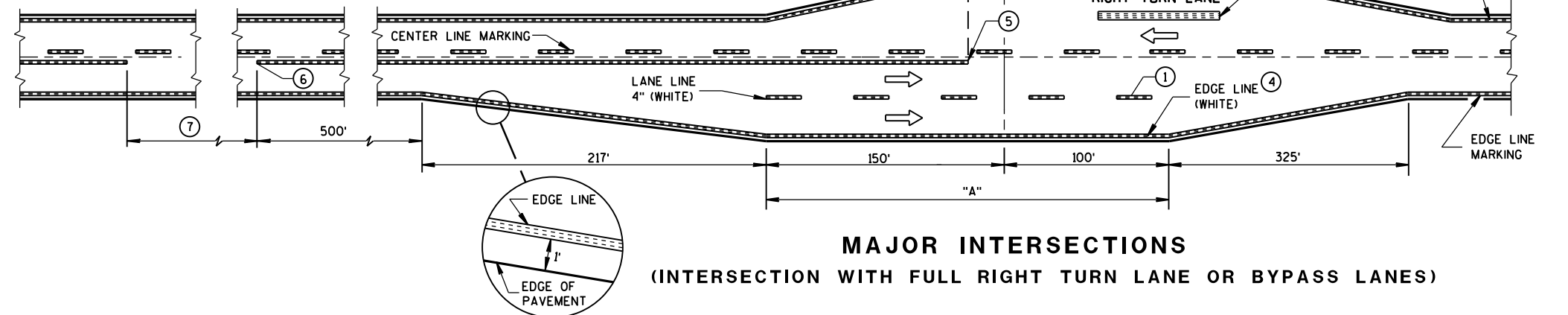
APPROVED
10-1-2012 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



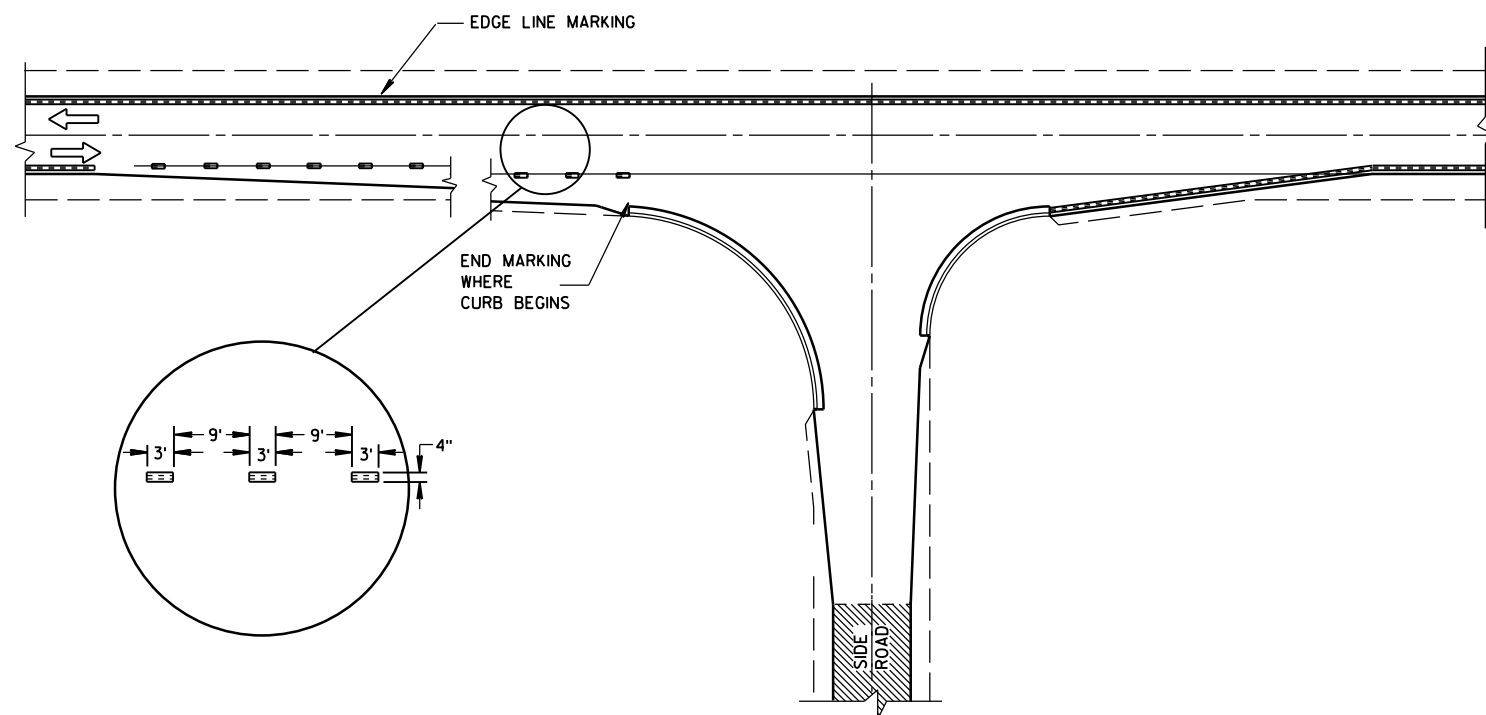
MINOR INTERSECTION WITHOUT CURBS

⑦

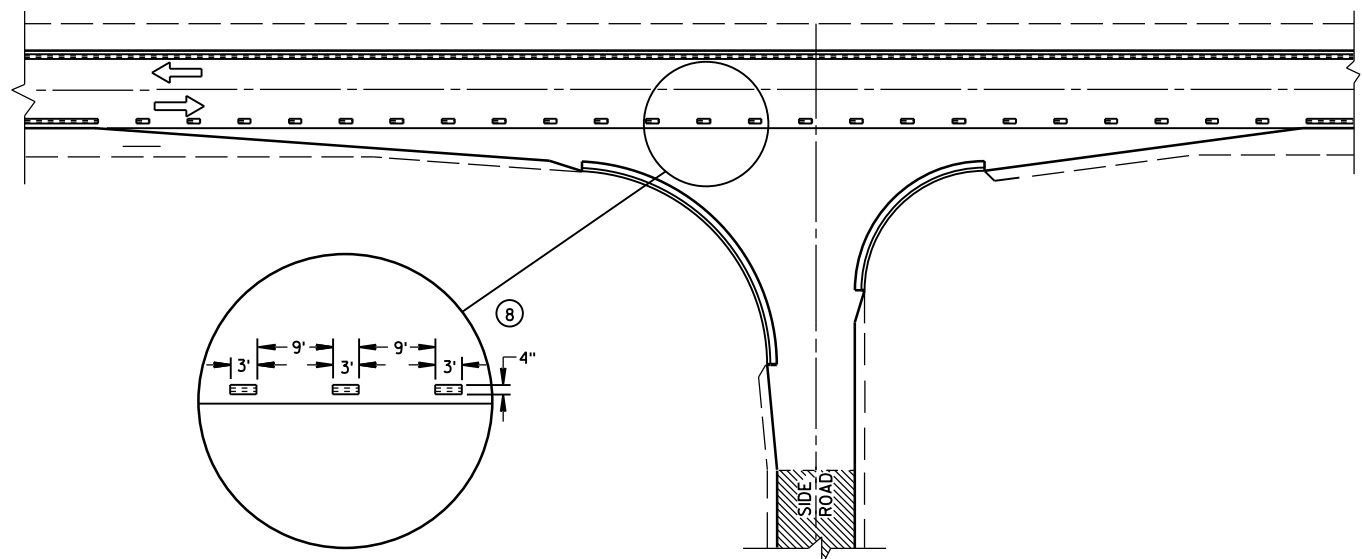
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



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



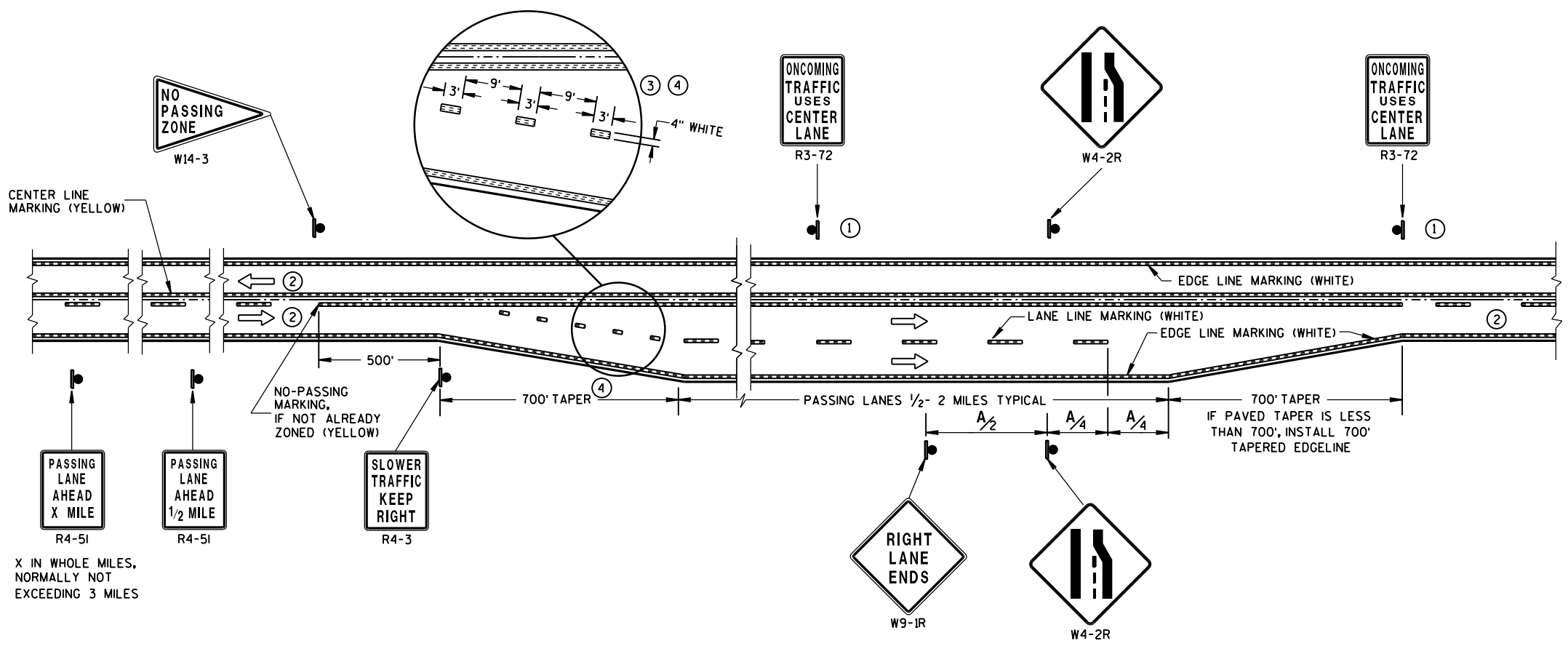
MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



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



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

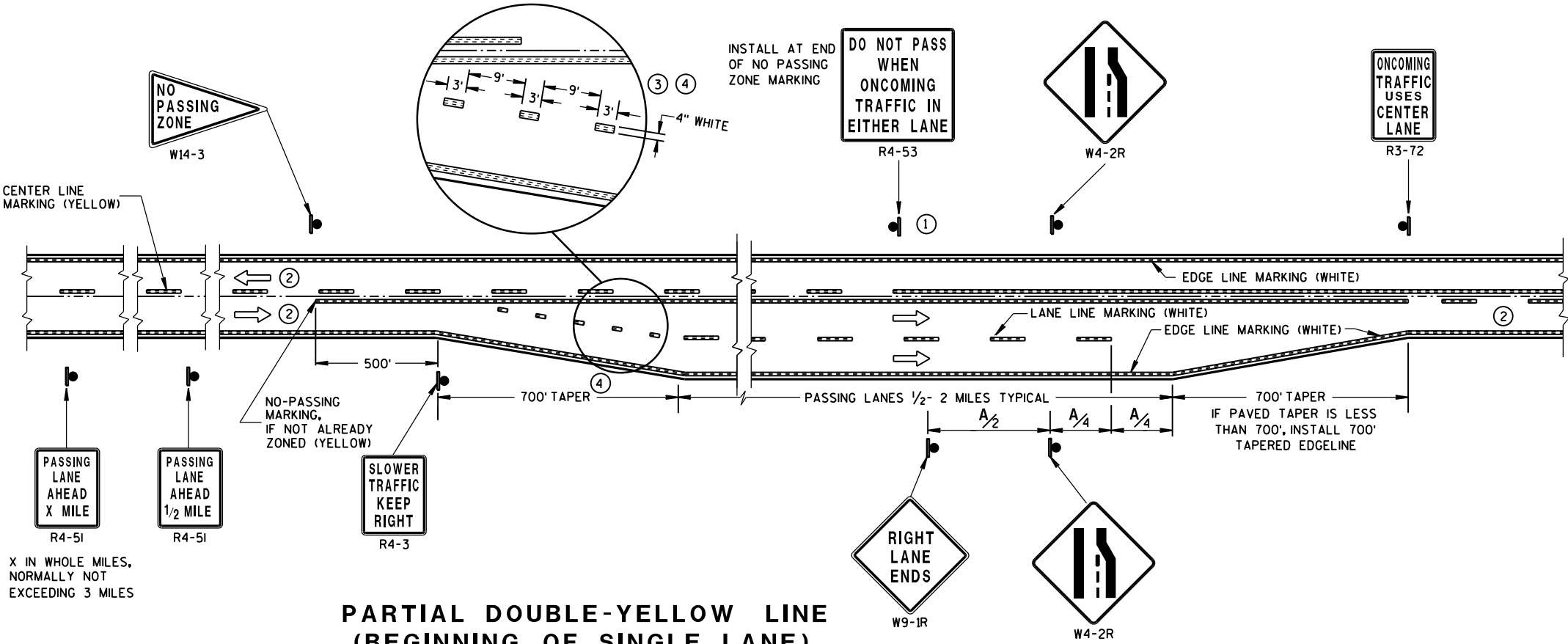
GENERAL NOTES

- 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

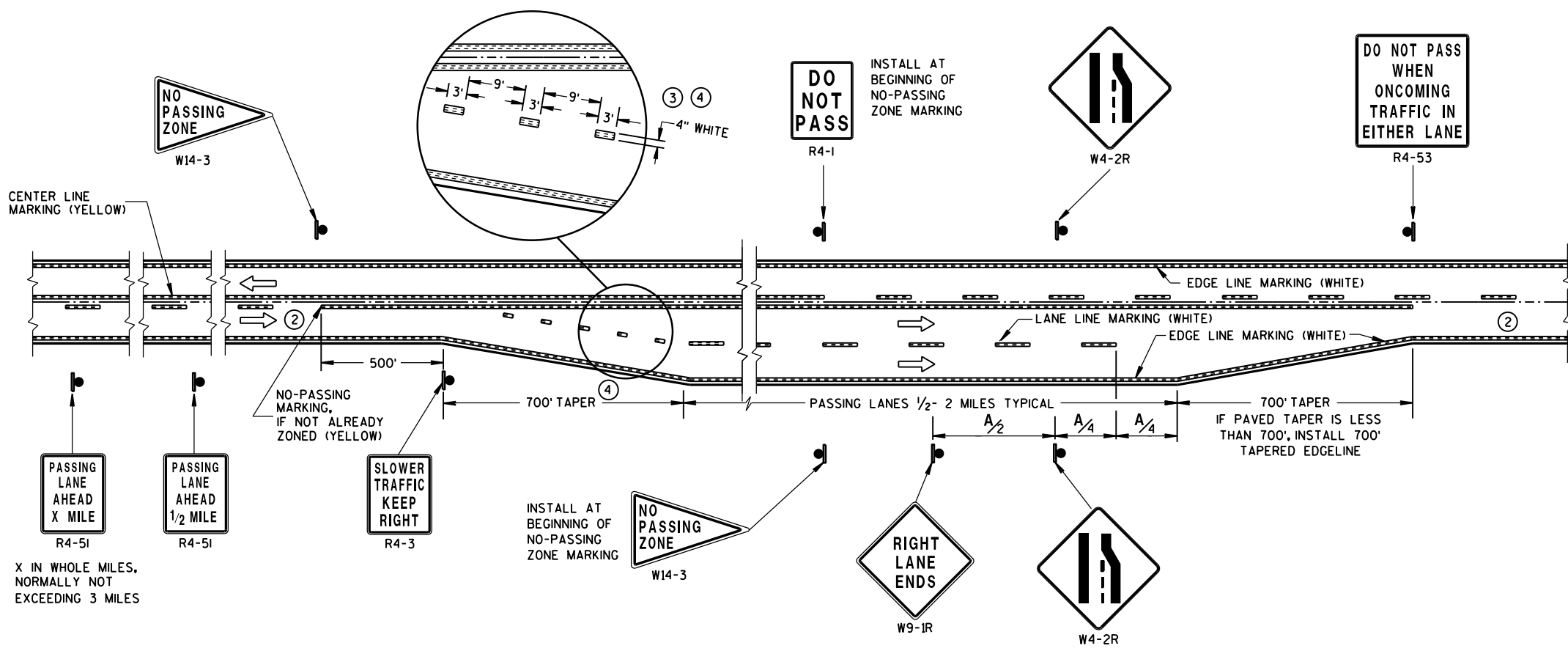
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950



**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)**

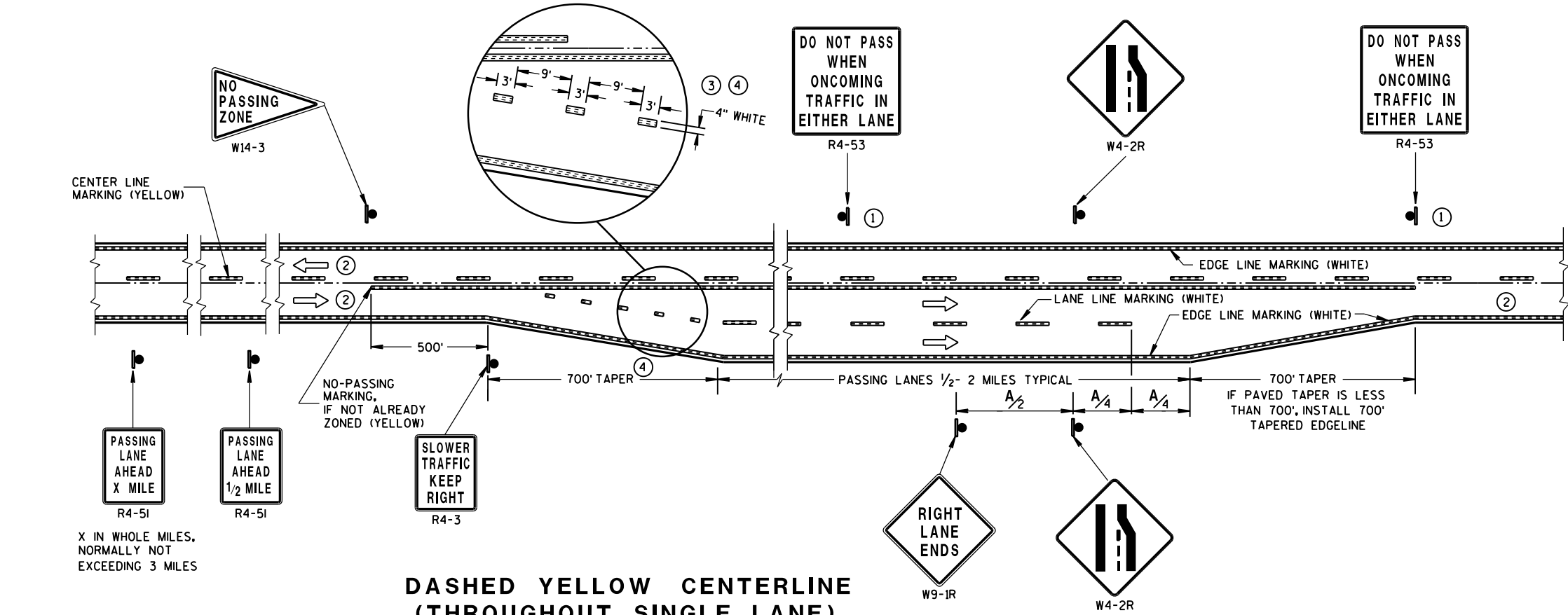
GENERAL NOTES

- 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

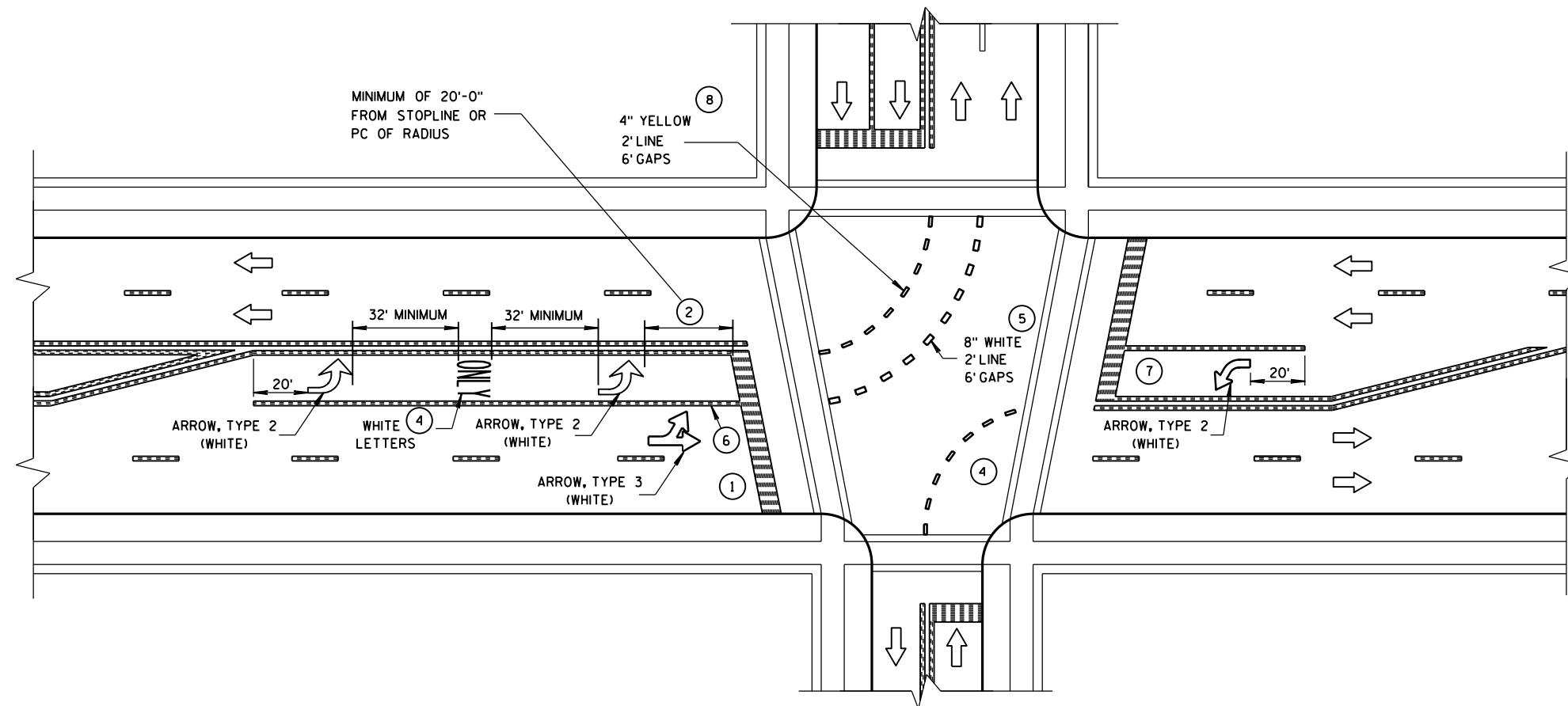
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950




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

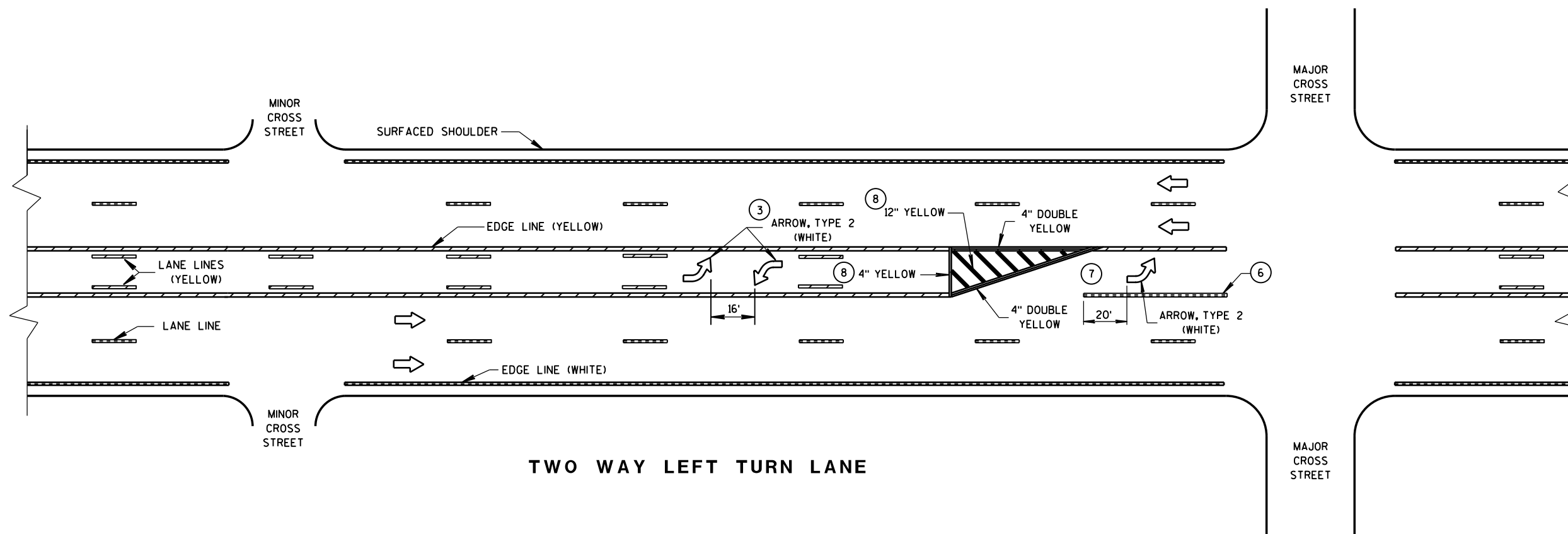
**PAVEMENT MARKING & SIGNING
(CLIMBING LANE &
PASSING LANE)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

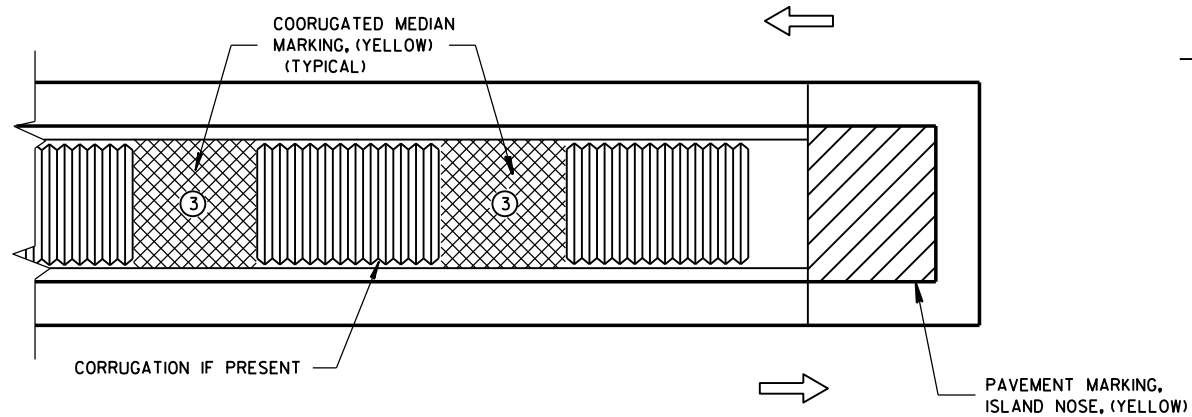


- ## GENERAL NOTES
- 1 STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
 - 2 DISTANCE MAY BE ADJUSTED TO ACCOMMODATE SHORT LEFT TURN LANES, AS APPROVED BY THE ENGINEER.
 - 3 A SET OF ARROWS IS REQUIRED EVERY 400' OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
 - 4 ADD EXTRA ARROW AND ONLY PER 160' 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'.
 - 8 REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

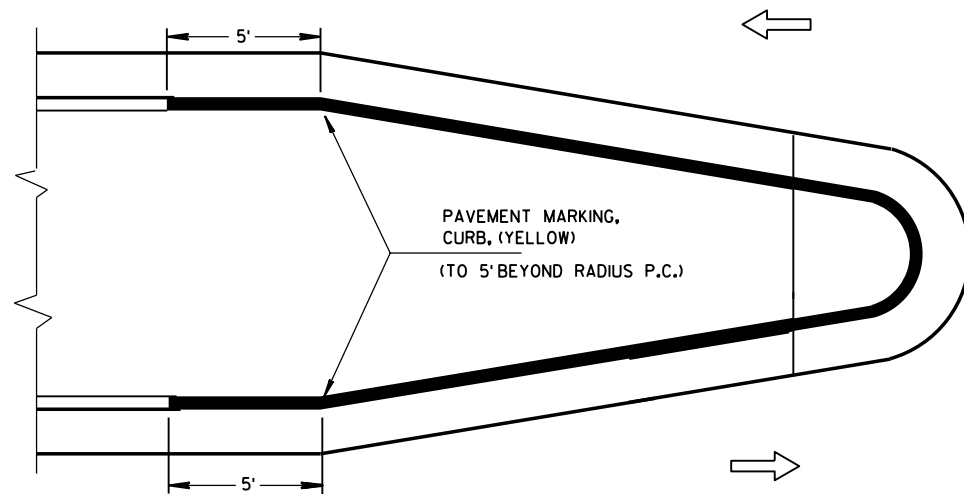
NOTE:
ARROW SYMBOL ()
SHOWS DIRECTION OF TRAVEL

PAVEMENT MARKING
(LEFT TURN LANE)

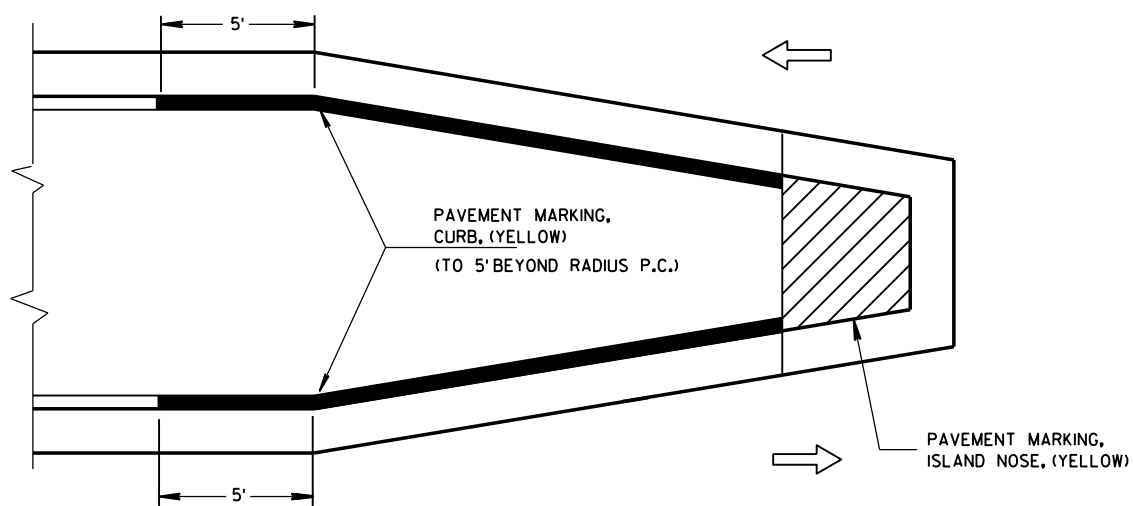
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

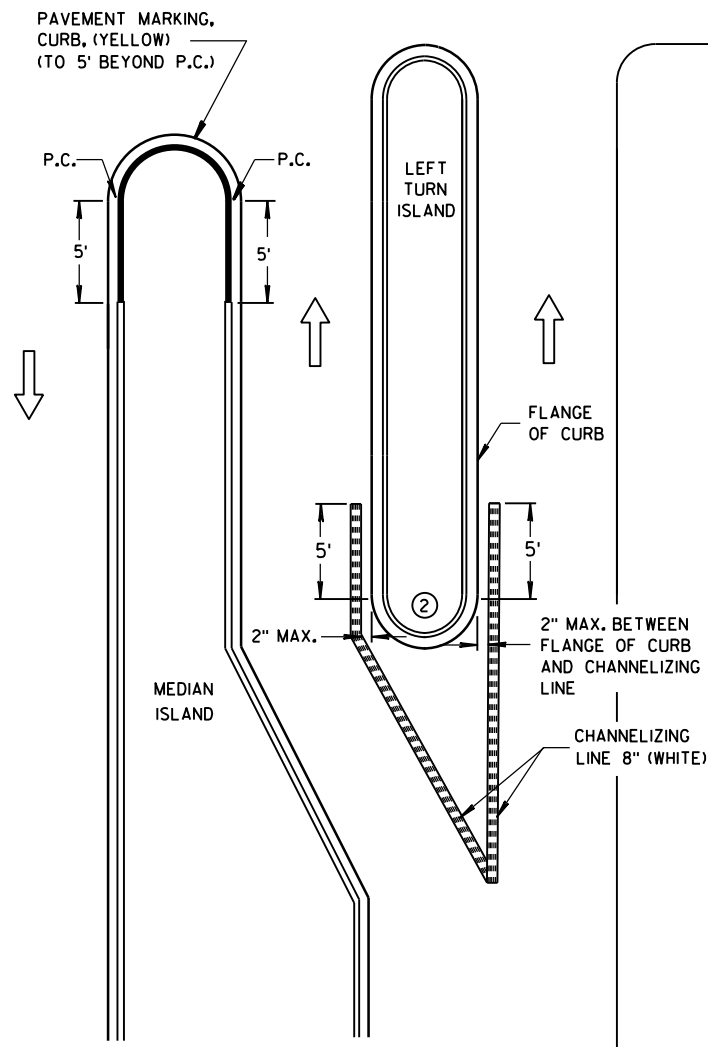


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

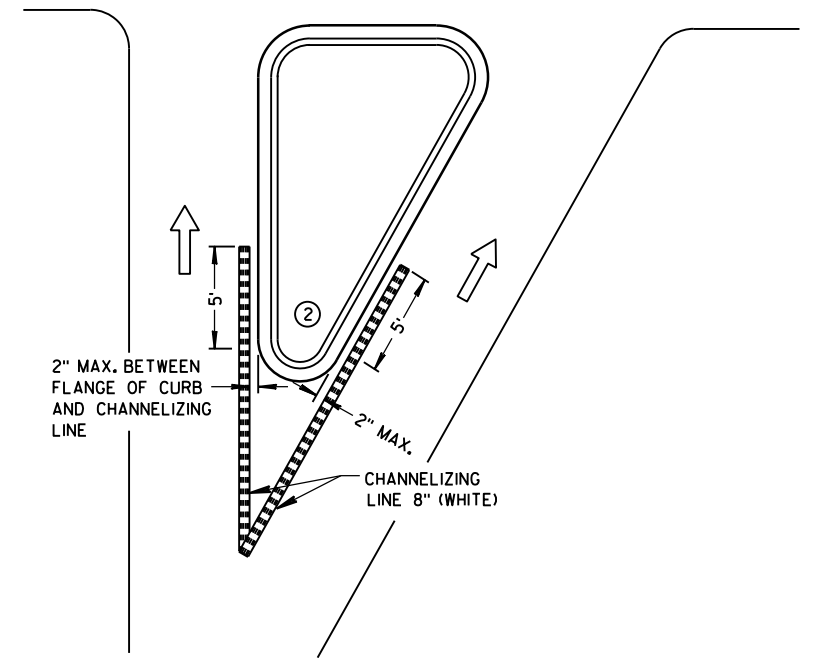
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

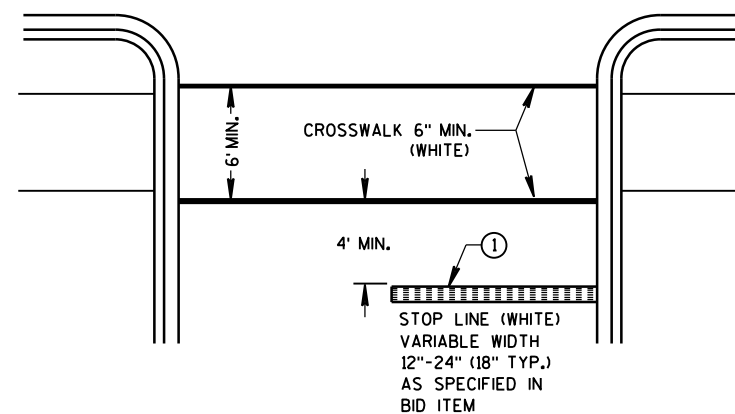
- ① STOP LINE IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
- ② DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
- ③ WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED 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

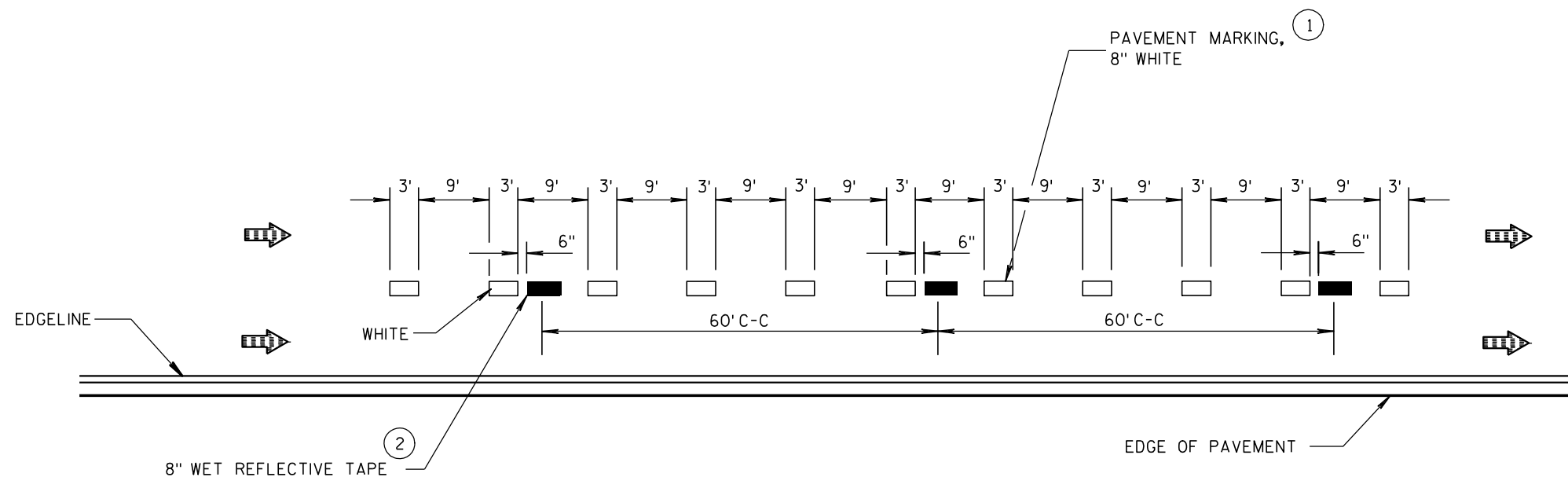
- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL



STOP LINE AND CROSSWALK

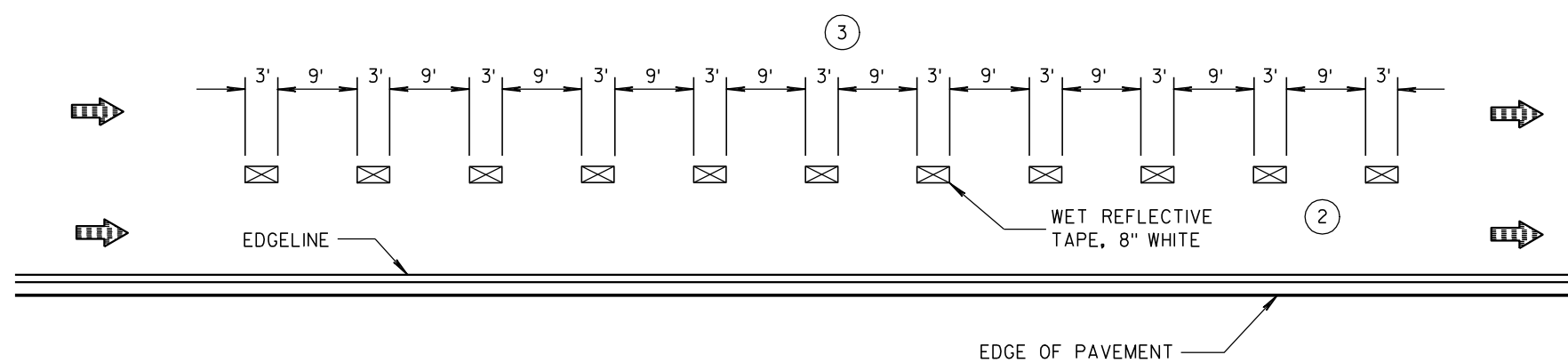
PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION







GENERAL NOTES

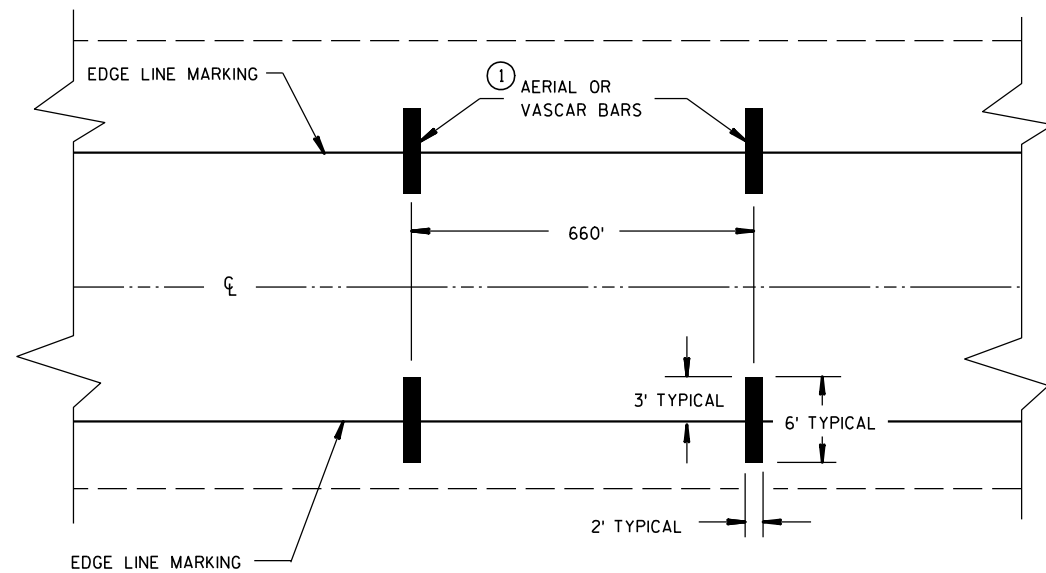
- ① 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE. RETRACE EXISTING 4" MARKING WITH 8" MARKING.
- ② REPLACE SAME 4" WET REFLECTIVE TAPE WHERE EXISTING 4" TAPE IS IN PLACE.
- ③ 3' LINE 9' GAP, EXCEPT REPLACE THE EXISTING LINE - GAP PATTERN AND WIDTH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



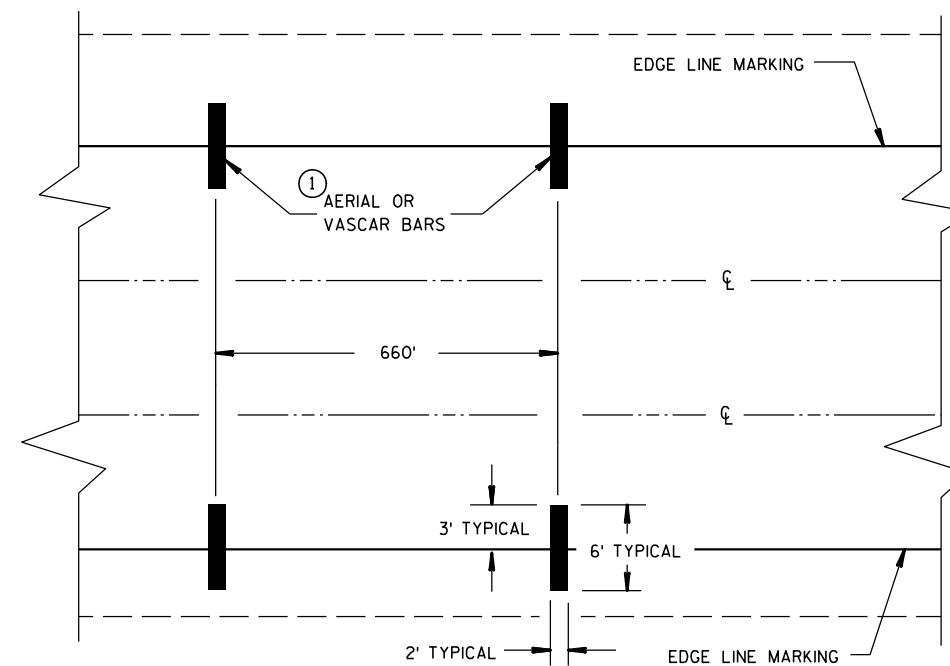
DROP LANE DETAIL FOR NEW WET REFLECTIVE TAPE INSTALLATIONS

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 |



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

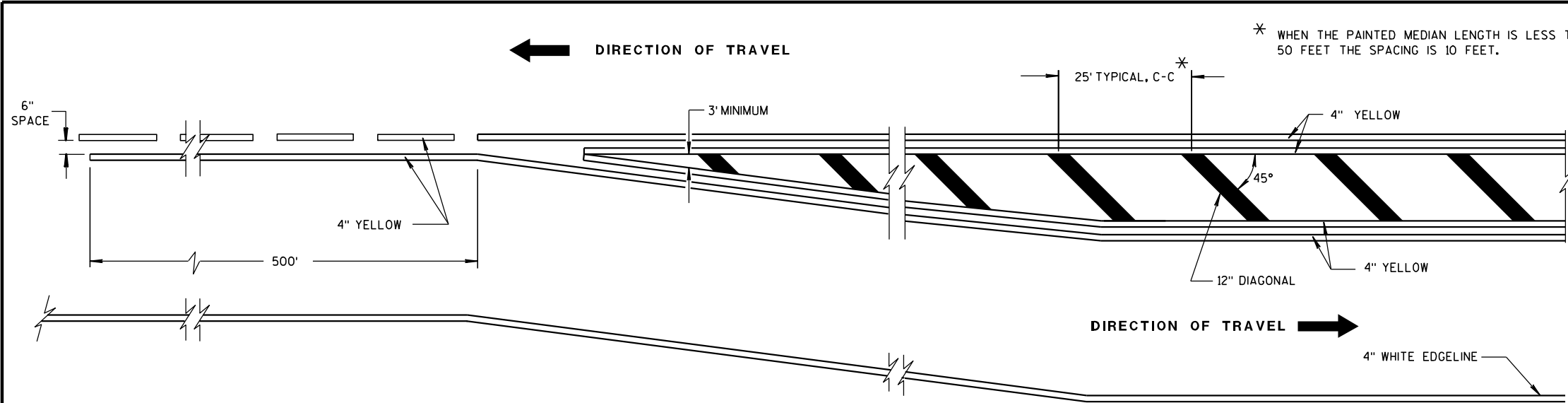
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/23/01
DATE

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

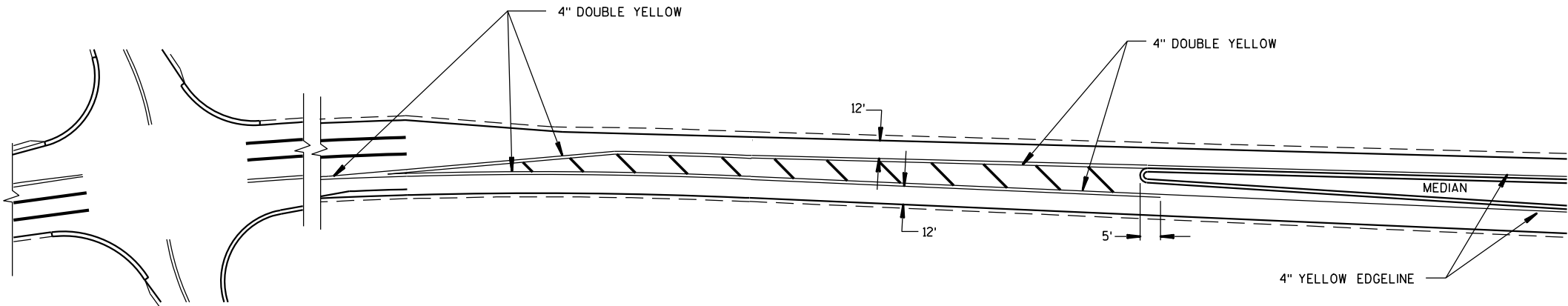
FHWA



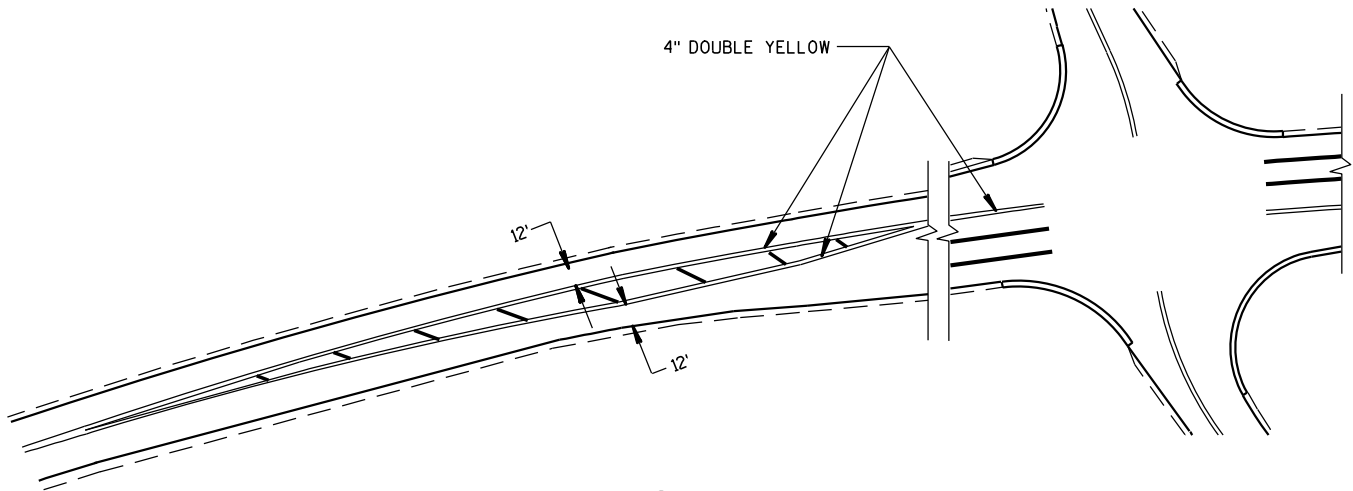
MEDIAN ISLAND DETAIL

GENERAL NOTE

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



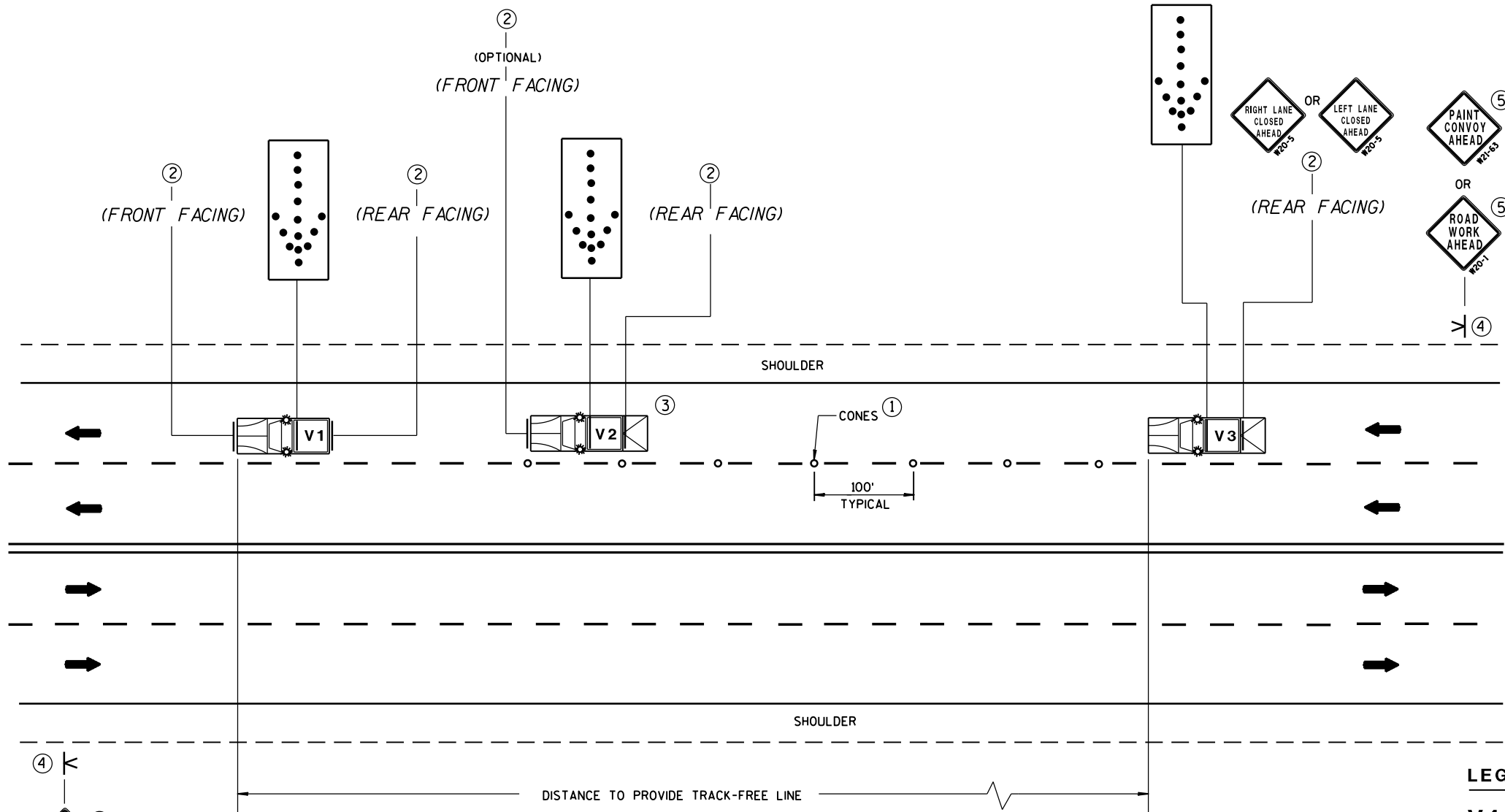
APPROACH MARKINGS FOR OTHER MEDIAN TYPES



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
MULTI-LANE UNDIVIDED ROADWAY

- LEGEND**
- V1 LEAD VEHICLE
 - V2 SHADOW VEHICLE
 - V3 TRAIL VEHICLE WITH TMA
 - TMA TRUCK-MOUNTED ATTENUATOR
 - Sign on portable support
 - DIRECTION OF TRAVEL
 - CONES
 - FLASHING ARROW PANEL (MERGE)

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.

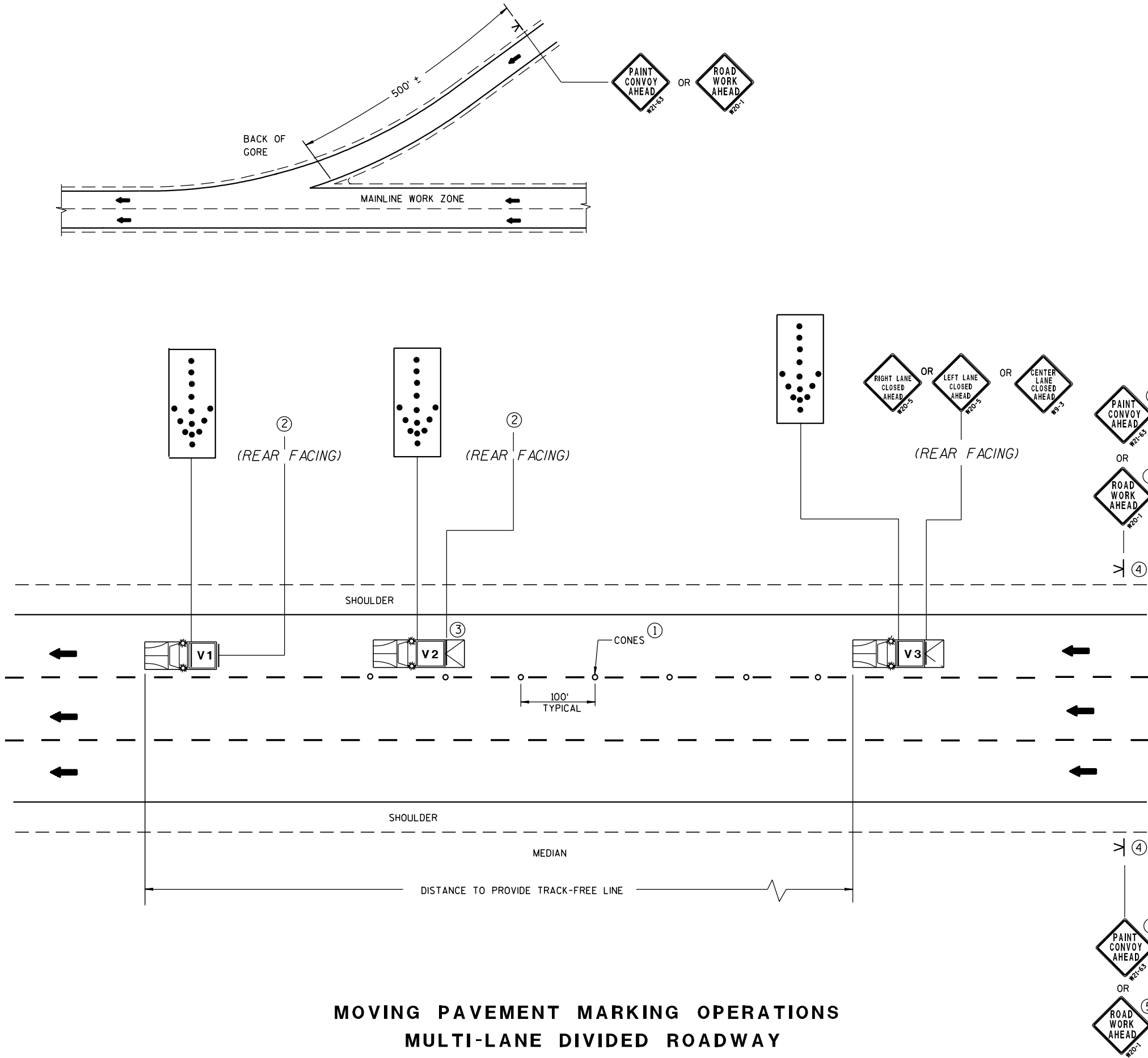
- ① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.
- ② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.
 OR
W21-64 W21-64
- ③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.
- ④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.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

MOVING PAVEMENT MARKING
OPERATION
MULTI-LANE UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/6/2011 /S/ Thomas N. Notbohm
DATE STATE TRAFFIC ENGINEER OF DESIGN

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 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. 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 EDGELINE 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 PORTABLE SUPPORT
- DIRECTION OF TRAVEL
- CONES
- FLASHING ARROW PANEL (MERGE)

MOVING PAVEMENT MARKING OPERATION
MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/6/2011 /S/ Thomas N. Notbohm
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

GENERAL NOTES

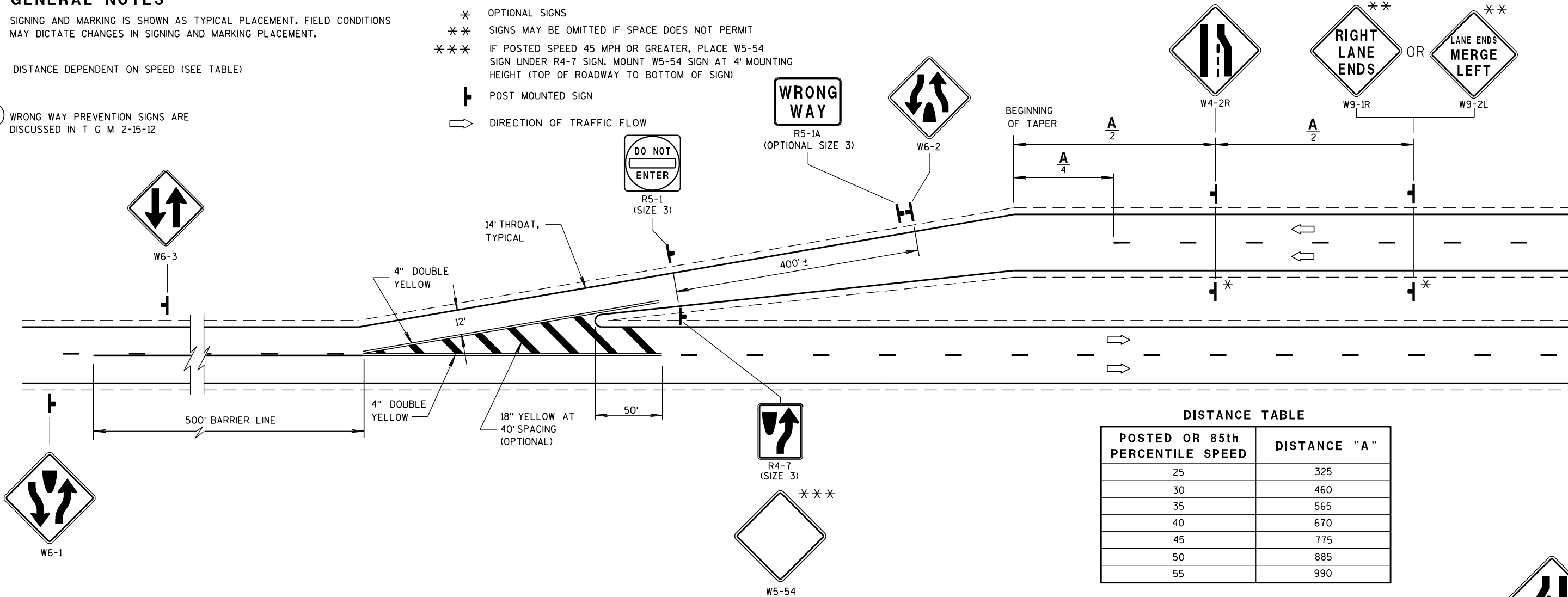
SIGNING AND MARKING IS SHOWN AS TYPICAL PLACEMENT. FIELD CONDITIONS MAY DICTATE CHANGES IN SIGNING AND MARKING PLACEMENT.

A DISTANCE DEPENDENT ON SPEED (SEE TABLE)

1 WRONG WAY PREVENTION SIGNS ARE DISCUSSED IN T G M 2-15-12

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

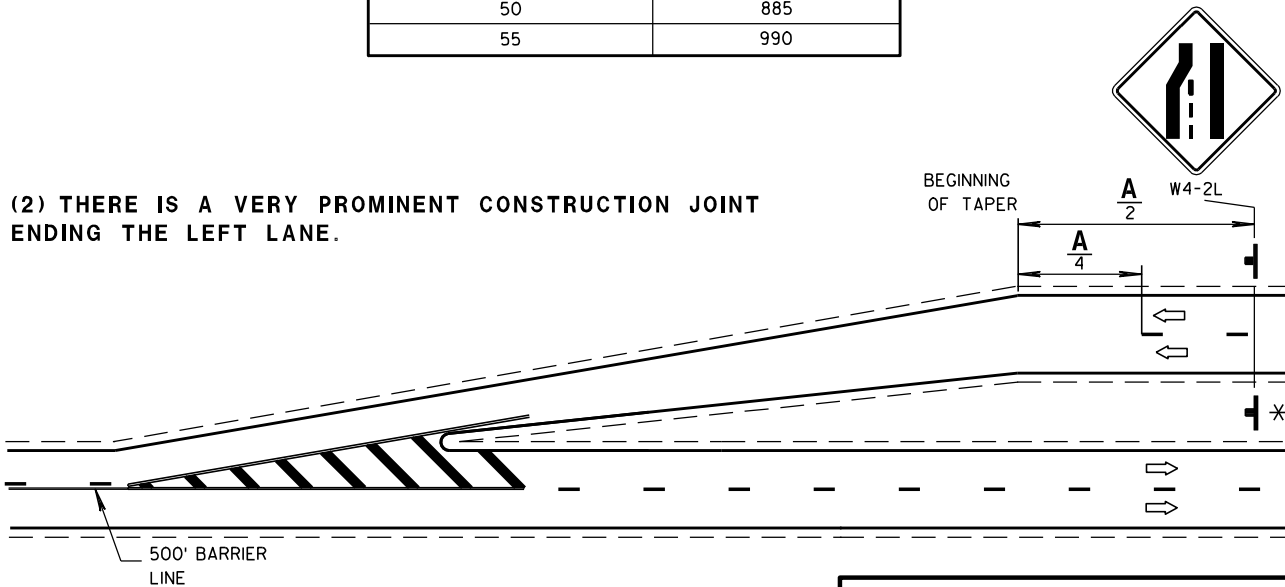
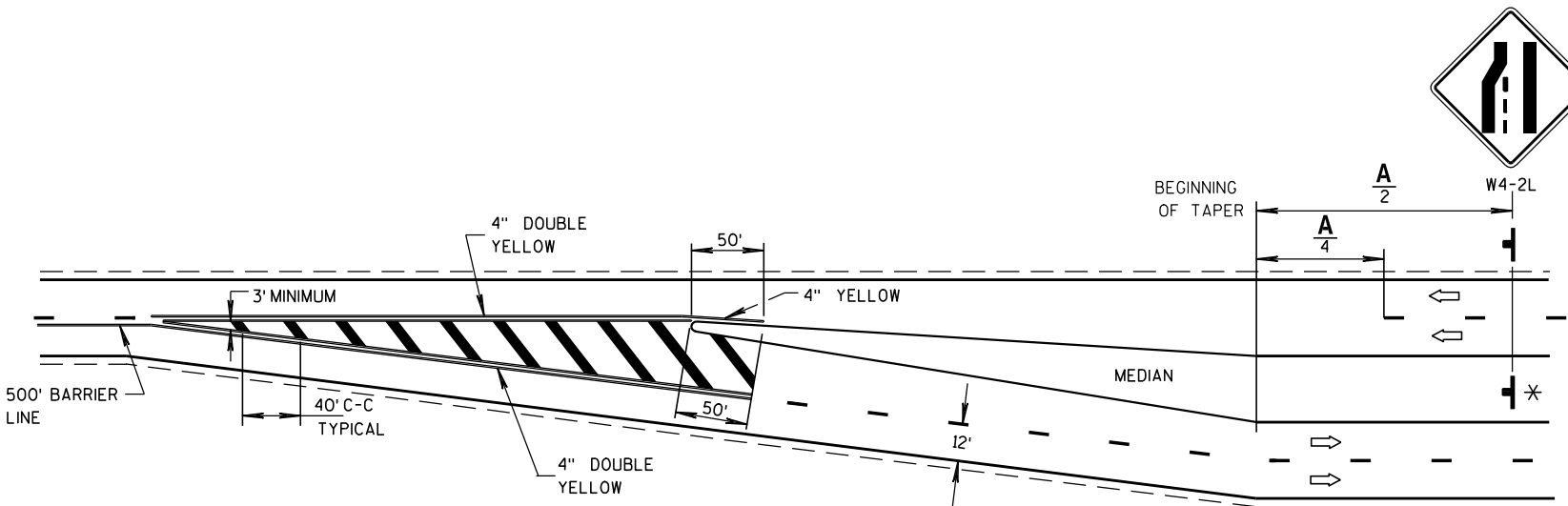


DISTANCE TABLE	
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
25	325
30	460
35	565
40	670
45	775
50	885
55	990

(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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/27/2011 /S/ Thomas N. Notbohm
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

LEGEND

- ⌚ POST WITH ATTACHED SIGN
- Ⓢ POST WITH ATTACHED SIGN IN DRUM
- ⚡ DRUM WITH WARNING LIGHT (TYPE C)
- DRUM
- ➡ ARROW BOARD
- ⌚ 8' TYPE III BARRICADE
- *-x-* REMOVING PAVEMENT MARKING
- ➡ DIRECTION OF TRAFFIC

GENERAL NOTES :

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

- ① CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

GENERAL NOTES CONTINUED:

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 7 CONTINUOUS DAYS AND NIGHTS.

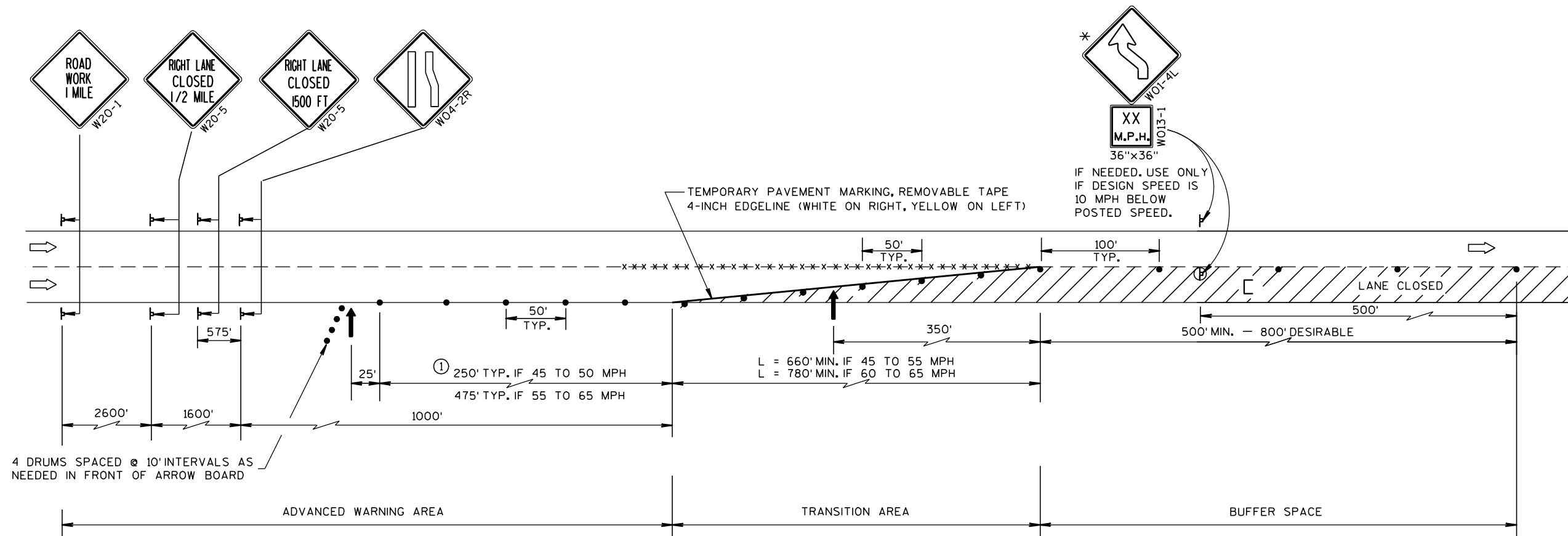
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1/4 MILE ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

- * THE LEFT REVERSE CURVE SIGN (W01-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL,
LANE CLOSURE, SPEEDS
GREATER THAN 40 M.P.H.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8-7-95
DATE /S/ Chester J. Spang
DIRECTOR, OFFICE OF TRAFFIC
FHWA

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

<http://www.dot.wisconsin.gov>