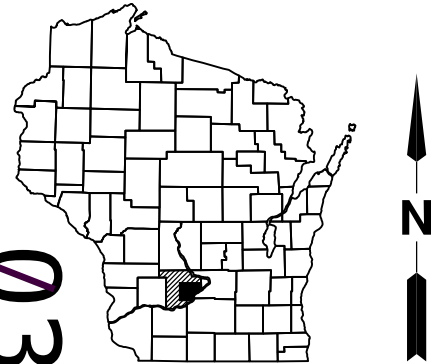


ORDER OF SHEETS

Section No. 1	Title
Section No. 2	Typical Sections and Details
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 4	Right of Way Plat
Section No. 5	Plan and Profile
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plates
Section No. 8	Structure Plans
Section No. 9	Computer Earthwork Data
Section No. 9	Cross Sections

TOTAL SHEETS = 94



DESIGN DESIGNATION

A.A.D.T.	=	13220
D.H.V.	=	N/A
D.D.	=	N/A
T.	=	N/A
DESIGN SPEED	=	N/A
ESALS	=	N/A

CONVENTIONAL SYMBOLS

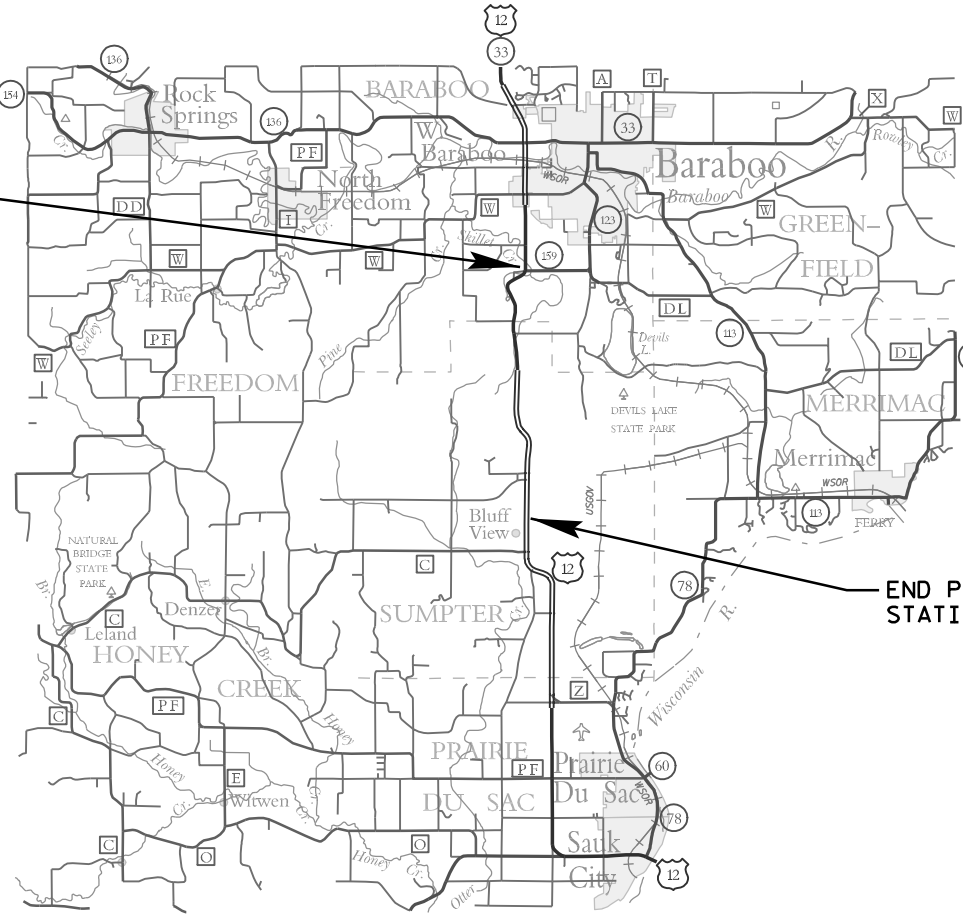
PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
BARABOO - SAUK CITY
STH 159 - CTH C
USH 12
SAUK COUNTY

STATE PROJECT NUMBER
1670-03-71

BEGIN PROJECT 1670-03-71
STATION 297+03.14



END PROJECT 1670-03-71
STATION 562+78.86

LAYOUT
SCALE 0 5 MI.

TOTAL NET LENGTH OF CENTERLINE = 5.033 MI.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1670-03-71	WISC 2013071	1

Coordinates on this plan are referenced to the Wisconsin County Coordinate System (WCCS), Sauk County

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	WISDOT
Designer	PAUL M VALENTI
Project Manager	ANTHONY M VANDER WIELEN
Regional Examiner	ANTHONY M VANDER WIELEN
Regional Supervisor	JOSEPH A GREGAS III
C.O. Examiner	JE

APPROVED FOR THE DEPARTMENT
DATE: 11/1/2012 (Signature)

E

STANDARD ABBREVIATIONS

AC.	ACRE	MAX.	MAXIMUM
AGG.	AGGREGATE	MGAL	1000 GALLONS
AH	AHEAD	MIN.	MINIMUM
<	ANGLE	N.C.	NORMAL CROWN OR NO CHANGE
AE, AEW	APRON ENDWALL	N	NORTH
ASPH.	ASPHALTIC	NO.	NUMBER
A.D.T.	AVERAGE DAILY TRAFFIC	PAV'T	PAVEMENT
B.F.	BACK FACE	P.L.E.	PERMANENT LIMITED EASEMENT
BK.	BACK	P.C.	POINT OF CURVATURE
BEG.	BEGIN	P.I.	POINT OF INTERSECTION
B.M.	BENCH MARK	P.T.	POINT OF TANGENCY
C/L	CENTER LINE	V.P.C.	VERTICAL POINT OF CURVATURE
D	CENTRAL ANGLE OR DELTA	V.P.I.	VERTICAL POINT OF INTERSECTION
C.M.C.P.	CORRUGATED METAL CULVERT PIPE	V.P.T.	VERTICAL POINT OF TANGENCY
C.M.P.	CORRUGATED METAL PIPE	PCC	PORTLAND CEMENT CONCRETE
CO.	COUNTY	P.E.	PRIVATE ENTRANCE
CTH	COUNTY TRUNK HIGHWAY	P.L.	PROPERTY LINE
CR.	CREEK	R	RADIUS OR RANGE
C.A.B.C.	CRUSHED AGGREGATE BASE COURSE	R/L	REFERENCE LINE
C.Y.	CUBIC YARD	R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
C.P.	CULVERT PIPE	RT	RIGHT
C. & G.	CURB AND GUTTER	REQ'D	REQUIRED
D	DEGREE OF CURVE	R.H.F.	RIGHT HAND FORWARD
D.H.V.	DESIGN HOUR VOLUME	R/W	RIGHT OF WAY
DIA.	DIAMETER	R.	RIVER
DISCH.	DISCHARGE	RD.	ROAD
EA	EACH	SHLD.	SHOULDER(S)
E	EAST	SHR.	SHRINKAGE
ELEC.	ELECTRIC(AL), ELEC. CABLE	S	SOUTH
EL., ELEV.	ELEVATION	S.F.	SQUARE FOOT (FEET)
EXC.	EXCAVATION	SDD	STANDARD DETAIL DRAWING(S)
F.F.	FACE TO FACE	STH	STATE TRUNK HIGHWAY
FERT.	FERTILIZER	STA.	STATION
F.E.	FIELD ENTRANCE	S.E.	SUPERELEVATION
F/L, F.L.	FLOW LINE	S/L	SURVEY LINE
CWT.	HUNDRED WEIGHT	T	TANGENT
INL	INLET	TEL.	TELEPHONE
INTER.	INTERSECTION	TEMP.	TEMPORARY
JT.	JOINT	T.L.E.	TEMPORARY LIMITED EASEMENT
LT	LEFT	T.O.C.	TOP OF CURB
L.H.F.	LEFT HAND FORWARD	T.	(TRUCKS) PERCENT OF
L.	LENGTH OF CURVE	TYP.	TYPICAL
L.F.	LINEAR FOOT(FEET)	UNCL.	UNCLASSIFIED
LC.	LONG CHORD	U.G.	UNDERGROUND (CABLE)
LS	LUMP SUM	V.C.	VERTICAL CURVE
M.P.	MARKER POST	W	WEST

GENERAL NOTES

DNR CONTACT: CATHY BLESER - SOUTH CENTRAL REGION, 3911 FISH HATCHERY RD., FITCHBURG, WI 53711
PHONE: (608) 275-3308

CURVE DATA IS BASED ON ARC DEFINITION.

LOCATION OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

NO TREES OR SHRUBS SHALL BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE BEEN DESIGNATED FOR REMOVAL BY THE ENGINEER.

DESIGN CONTACTS

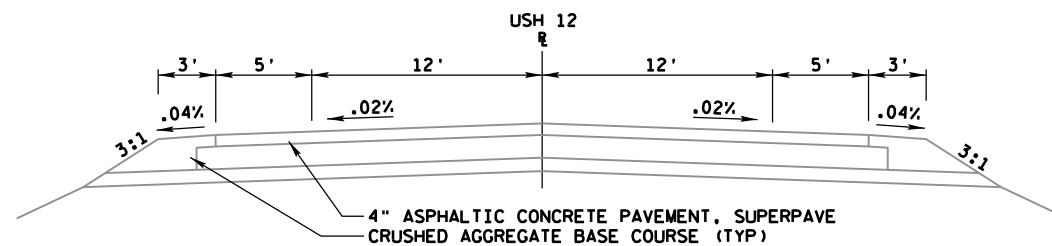
ANTHONY M. VANDER WIELEN	PAUL M. VALENTI
PROJECT MANAGER	PROJECT DESIGNER
WISDOT SW REGION	WISDOT SW REGION
PROJECT DEVELOPMENT	PROJECT DEVELOPMENT
3550 MORMON COULEE ROAD	3550 MORMON COULEE ROAD
LA CROSSE, WI 54601	LA CROSSE, WI 54601
PHONE: (608) 789-7878	PHONE: (608) 785-9053

UTILITY CONTACTS

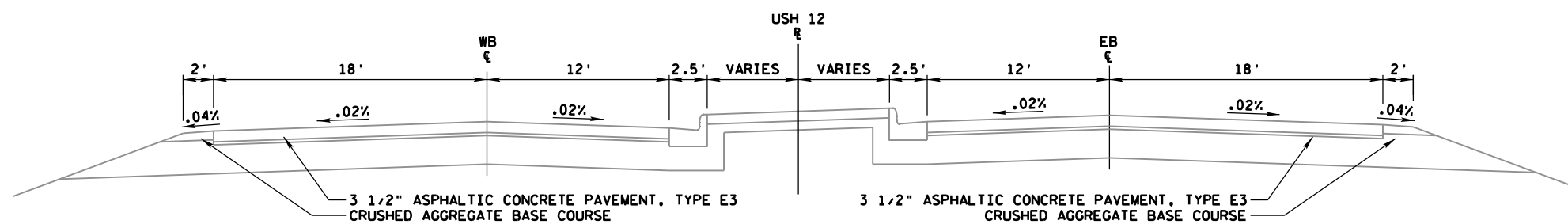
Alliant Energy 520 Commerce Avenue Baraboo, WI 53913 ATTN: Neal Goodchild OFFICE: (608) 458-4871 MOBILE: (608) 575-8860 nealgoodchild@alliantenergy.com	ATC Management, Inc. 801 O'Keefe Rd P.O. Box 6113 De Pere, WI 54115-6113 ATTN: Mike Olsen OFFICE: (920) 338-6582 MOBILE: (920) 660-2390 molsen@atcllc.com
CenturyLink 130 4th Street Baraboo, WI 53913 ATTN: Steve Bishop OFFICE: (608) 355-7501 MOBILE: (608) 963-8594 steven.bishop@centurylink.com	Bluffview Sanitary District PO Box A9 S7523 Hwy 12 North Freedom, WI 53951 MAIN OFFICE: (608) 643-7930 bluffsd@merr.com
Merrimac Communications Ltd 327 Pallisades St Merrimac, WI 53561 ATTN: Kirk Olson PHONE: (608) 493-9470 kolson@merr.com	Frontier Communications of WI LLC 118 Division Street Plymouth, WI 53073 ATTN: Robert Church PHONE: (608) 837-1881 robert.church@ftr.com



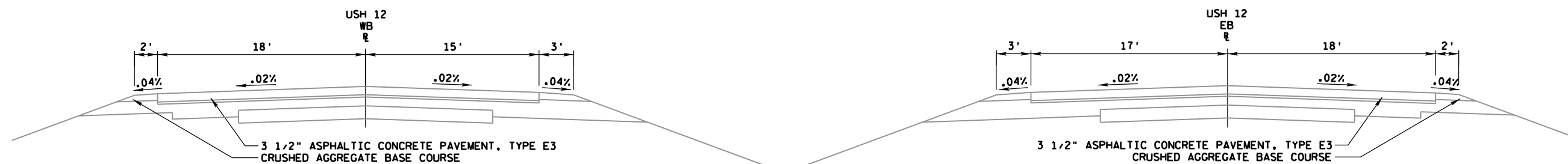
Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

**EXISTING TYPICAL SECTION**

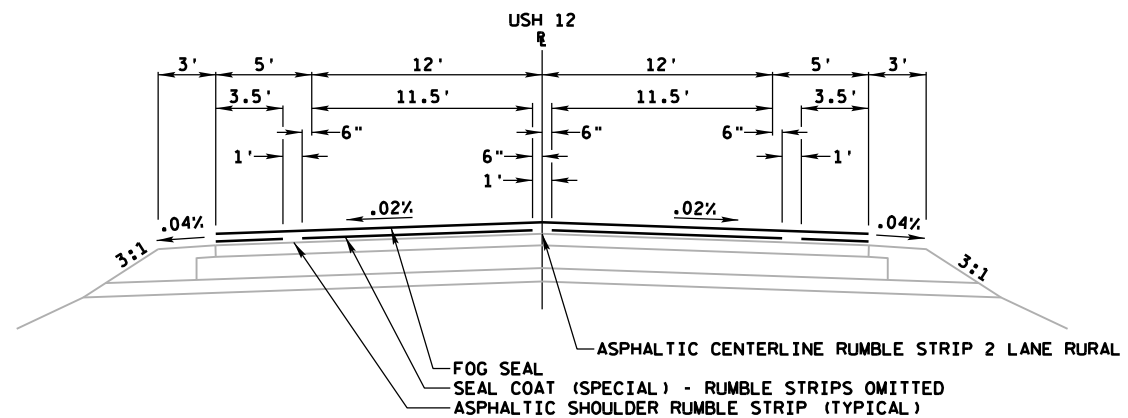
STATION 295+00 TO STATION 410+45

**EXISTING TYPICAL SECTION**

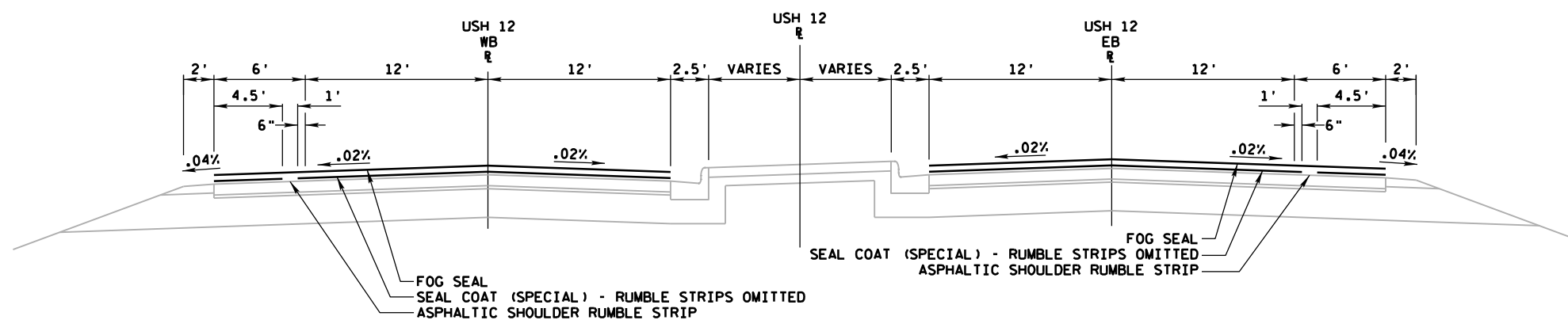
STATION 410+45 TO STATION 484+74

**EXISTING TYPICAL SECTION**

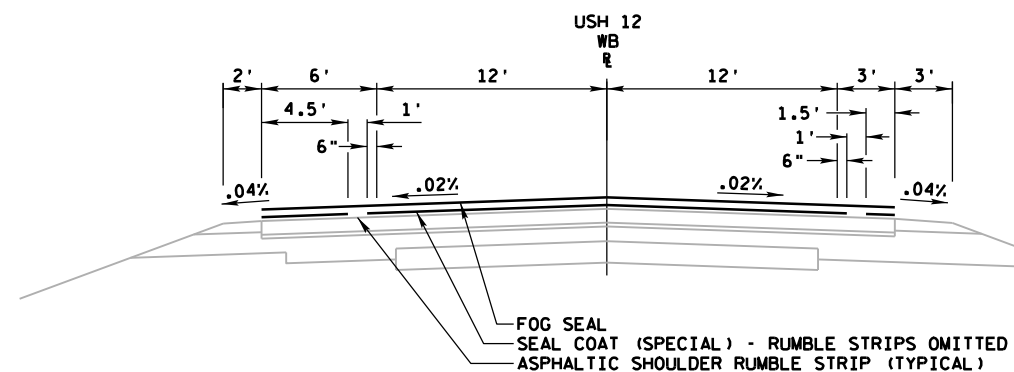
STATION 484+74 TO STATION 544+42



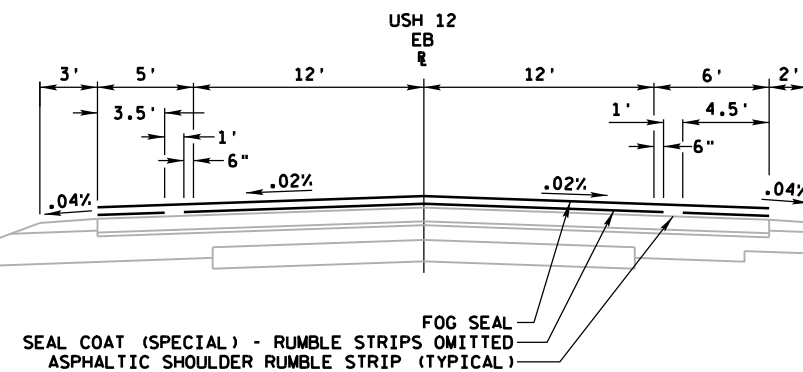
PROPOSED TYPICAL SECTION
STATION 295+00 TO STATION 410+45



PROPOSED TYPICAL SECTION
STATION 410+45 TO STATION 484+74

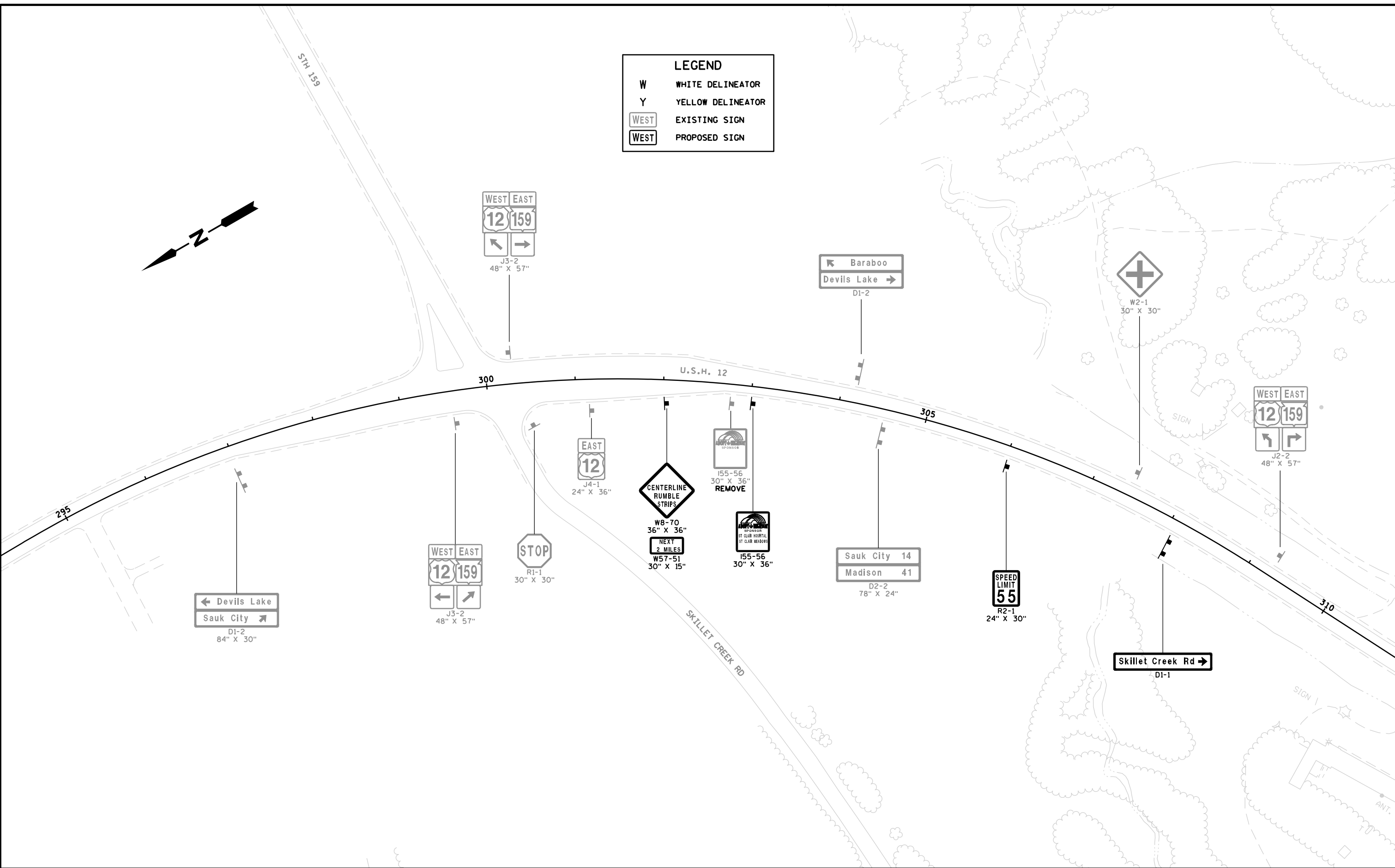


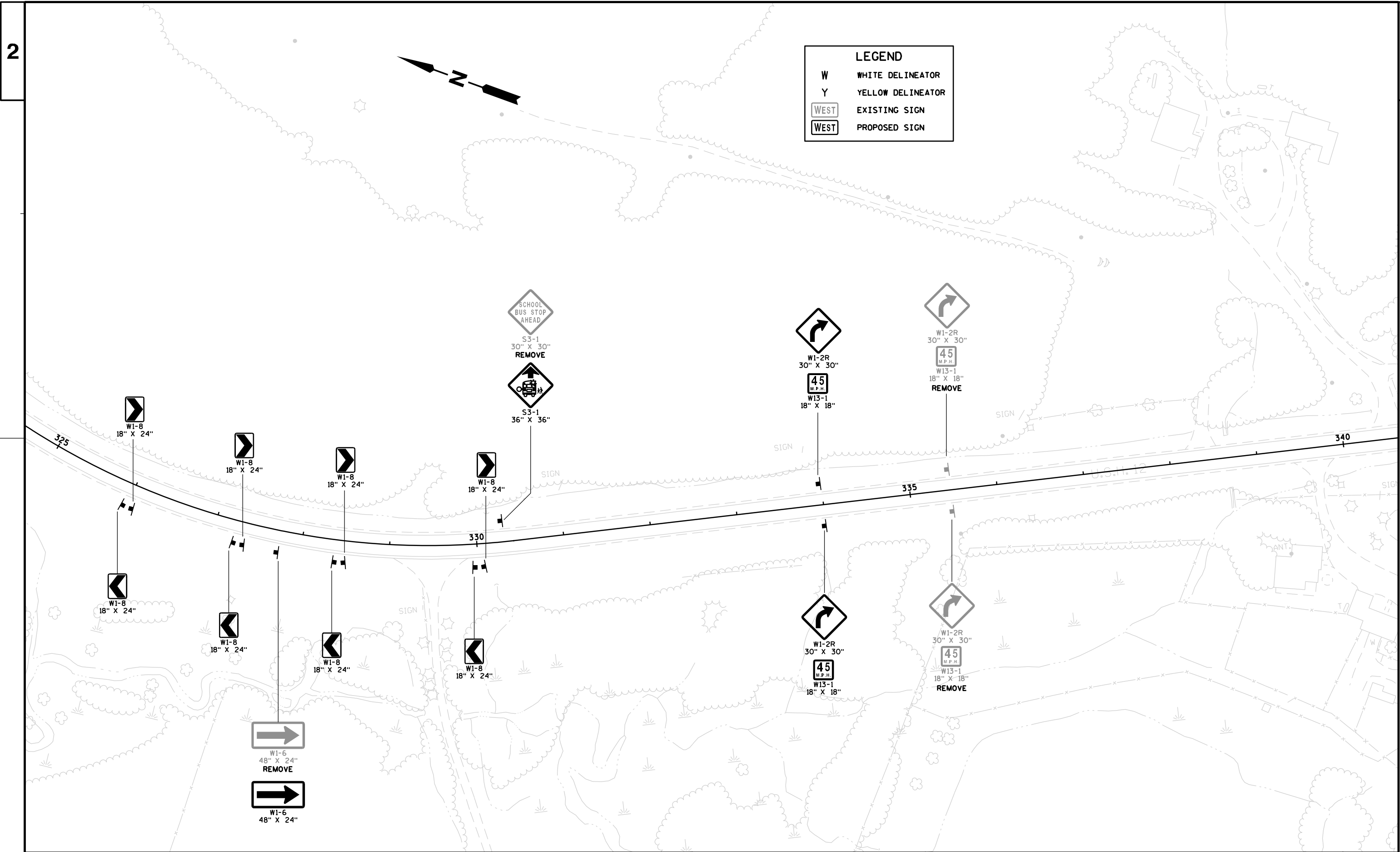
PROPOSED TYPICAL SECTION
STATION 484+74 TO STATION 544+42



2

2





LEGEND

W

WHITE DELINEATOR

Y

YELLOW DELINEATOR

WEST

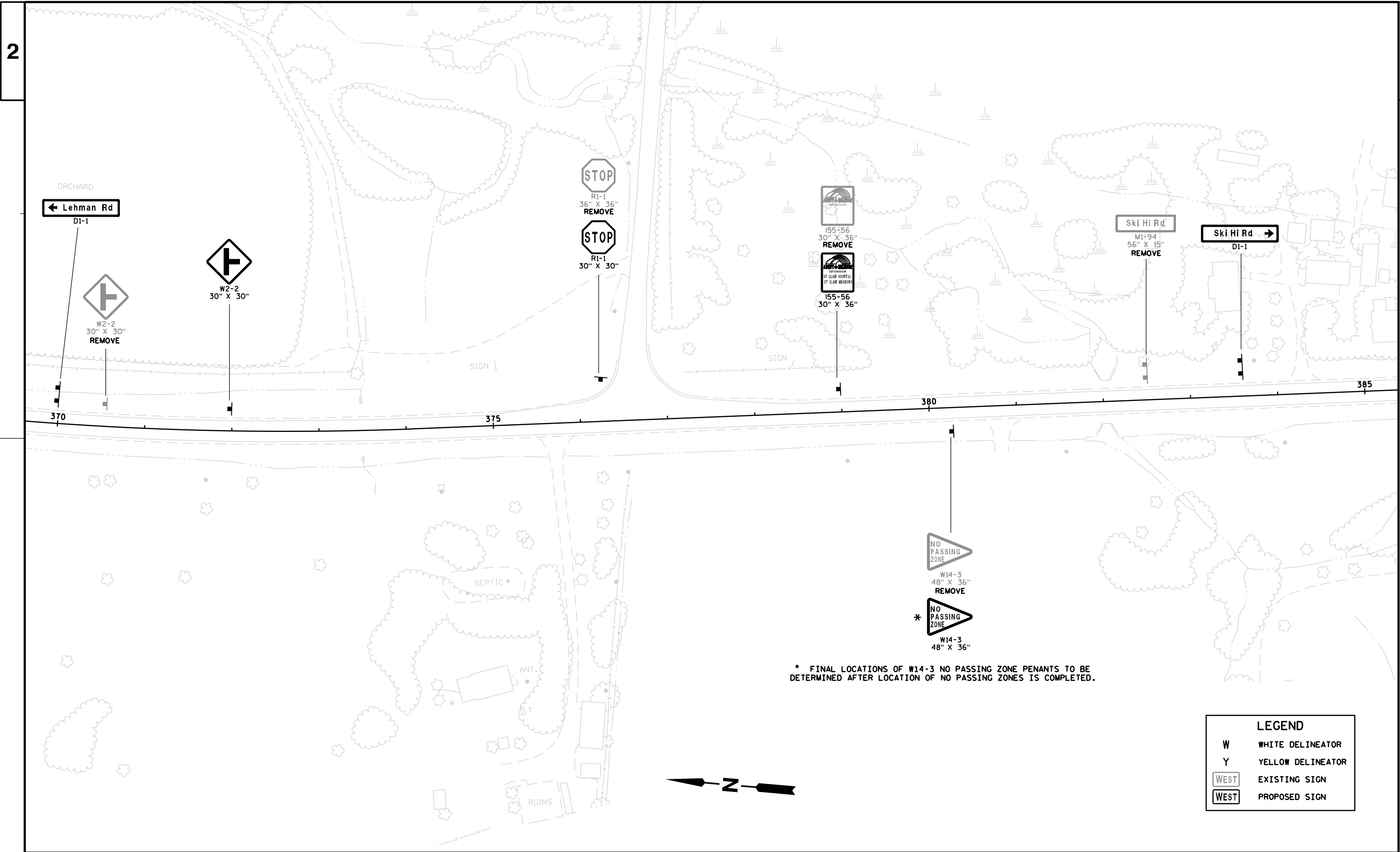
EXISTING SIGN

WEST

PROPOSED SIGN







* FINAL LOCATIONS OF W14-3 NO PASSING ZONE PENANTS TO BE DETERMINED AFTER LOCATION OF NO PASSING ZONES IS COMPLETED.

LEGEND

W

WHITE DELINEATOR

Y

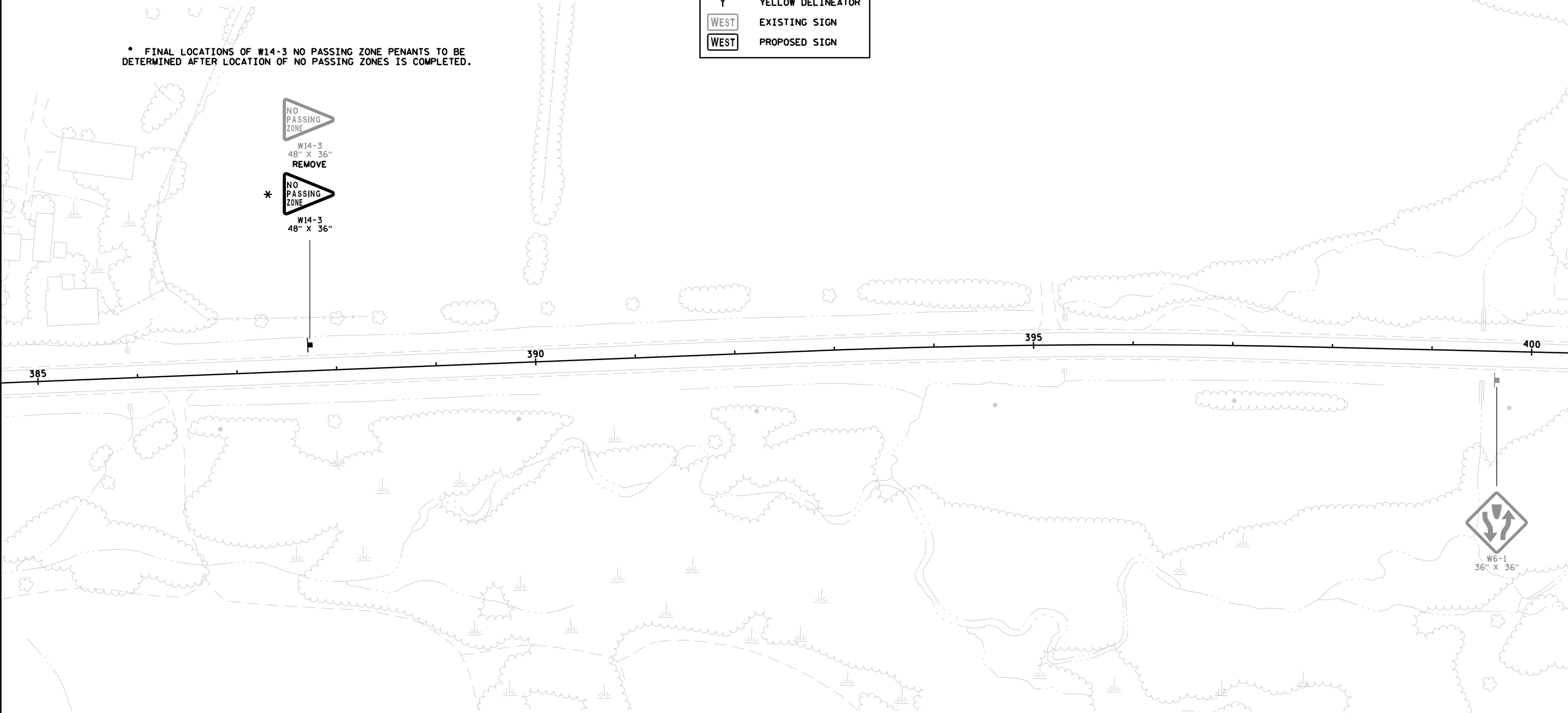
YELLOW DELINEATOR

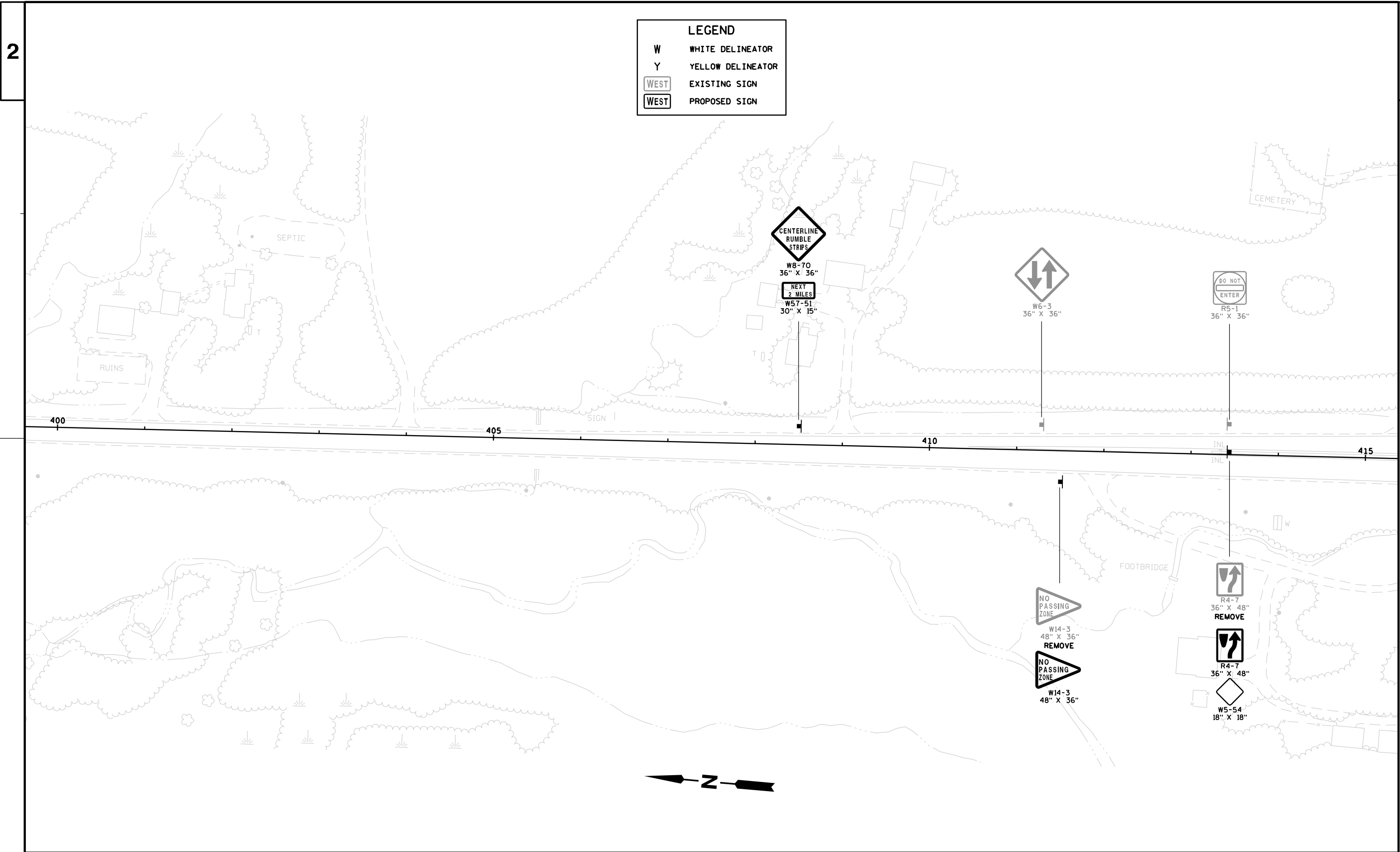
WEST

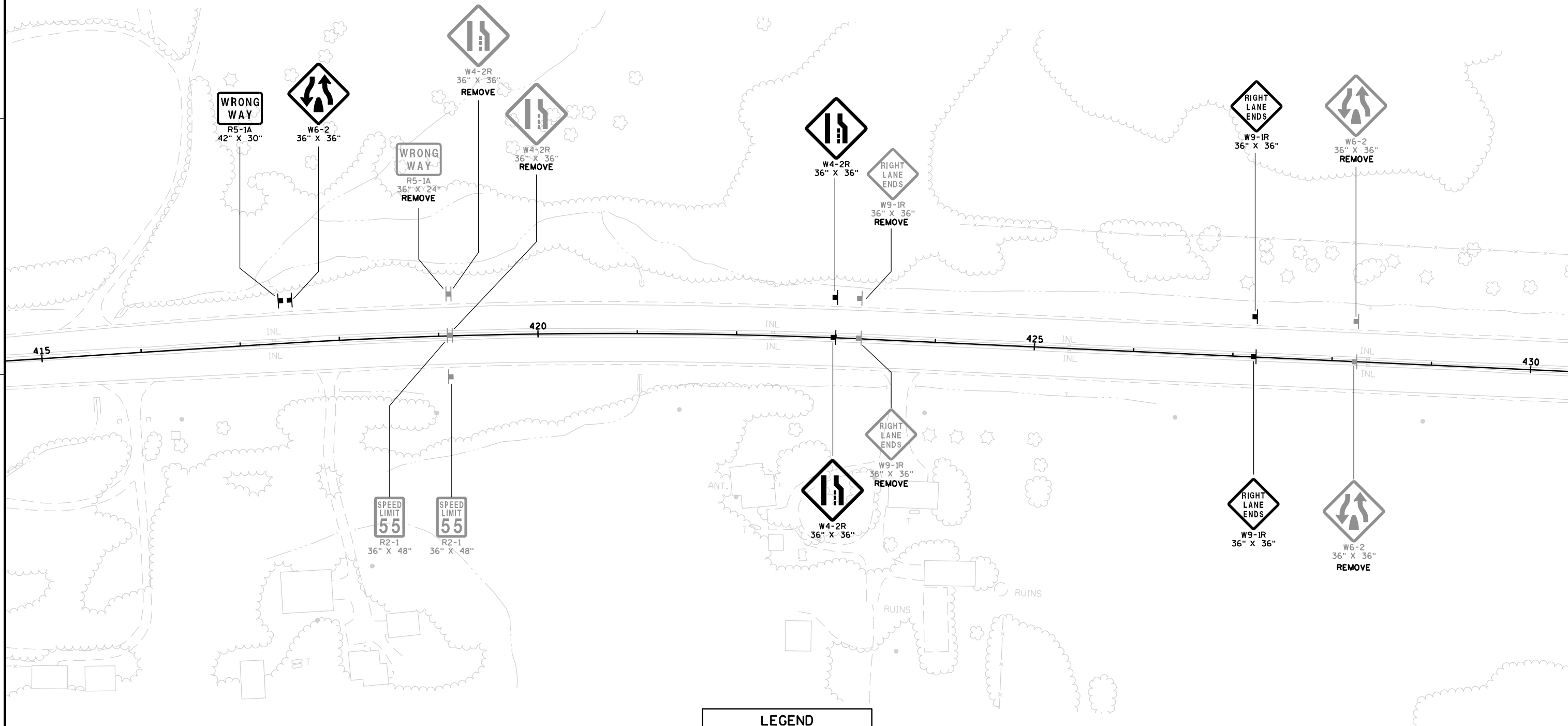
EXISTING SIGN

WEST

PROPOSED SIGN







LEGEND

W	WHITE DELINEATOR
Y	YELLOW DELINEATOR
	EXISTING SIGN
	PROPOSED SIGN

LEGEND

W

WHITE DELINEATOR

Y

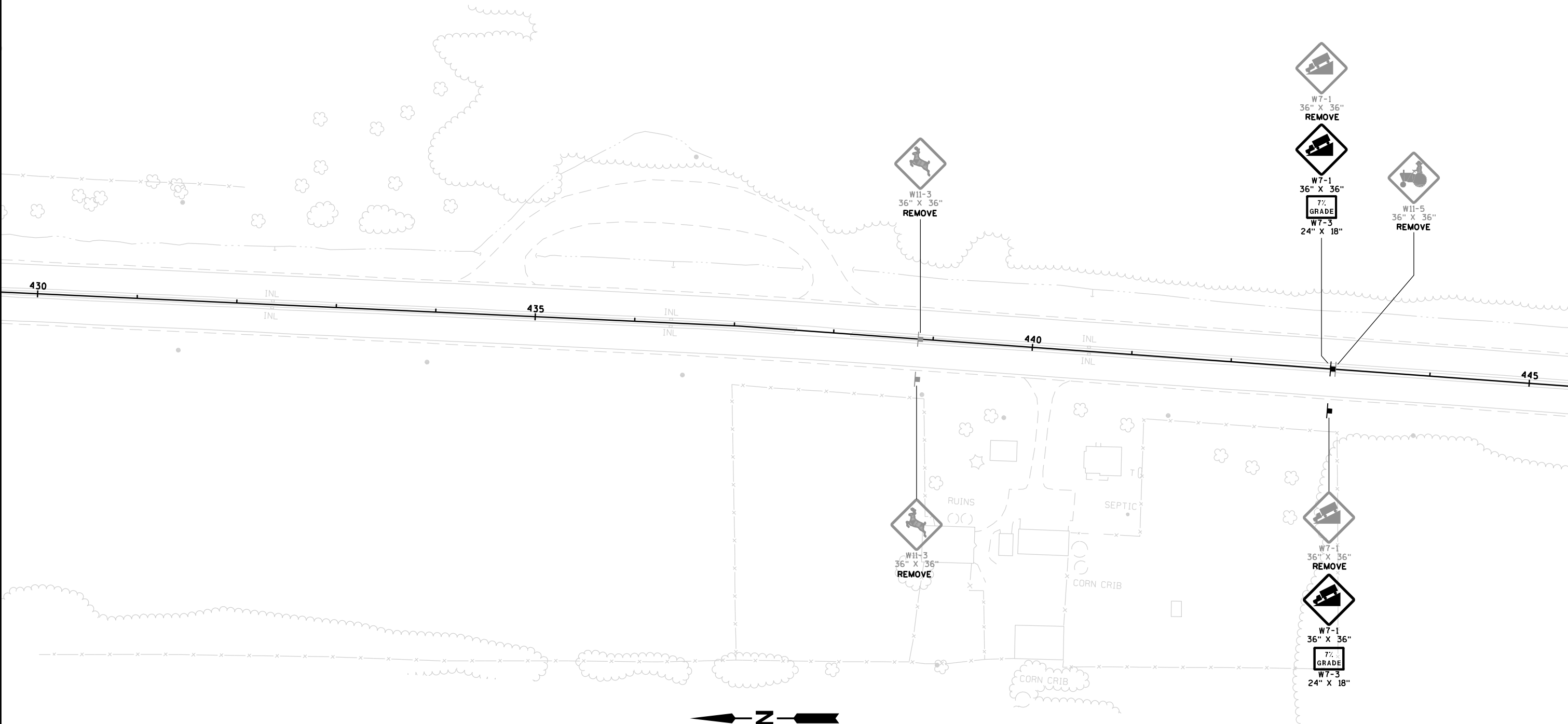
YELLOW DELINEATOR

WEST

EXISTING SIGN

WEST

PROPOSED SIGN



LEGEND

W

WHITE DELINEATOR

Y

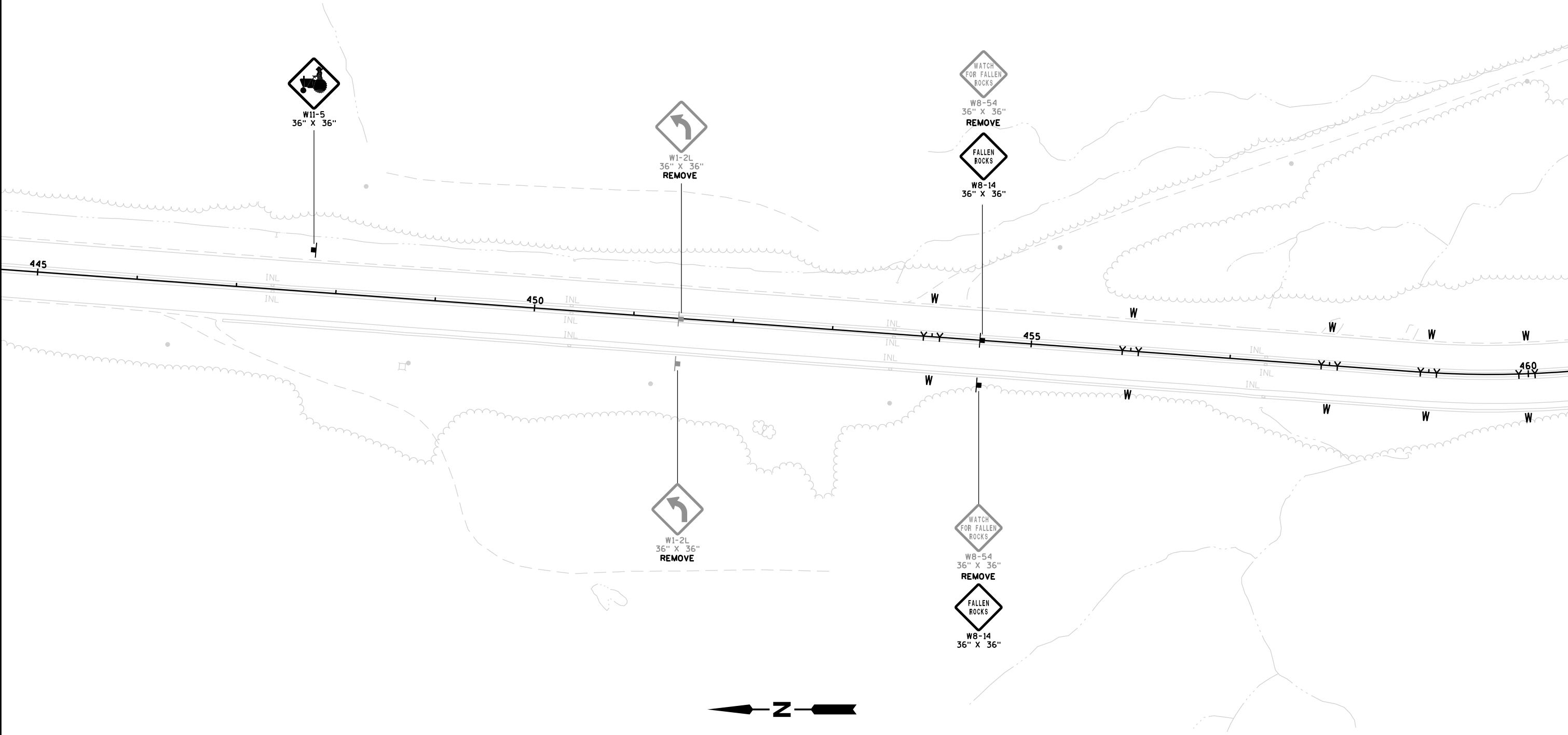
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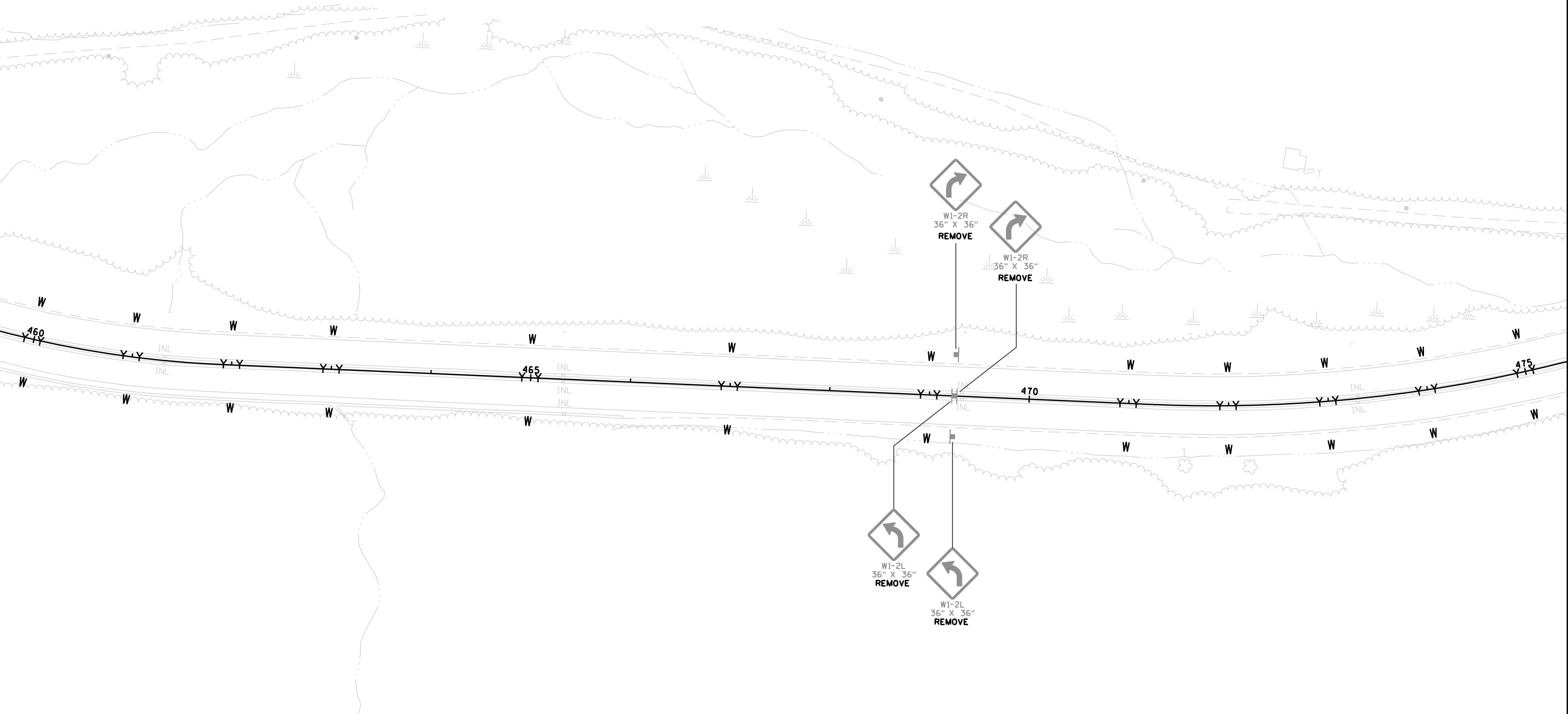
WEST

EXISTING SIGN

WEST

PROPOSED SIGN





LEGEND

W

WHITE DELINEATOR

Y

YELLOW DELINEATOR

WEST

EXISTING SIGN

WEST

PROPOSED SIGN

LEGEND

W

WHITE DELINEATOR

Y

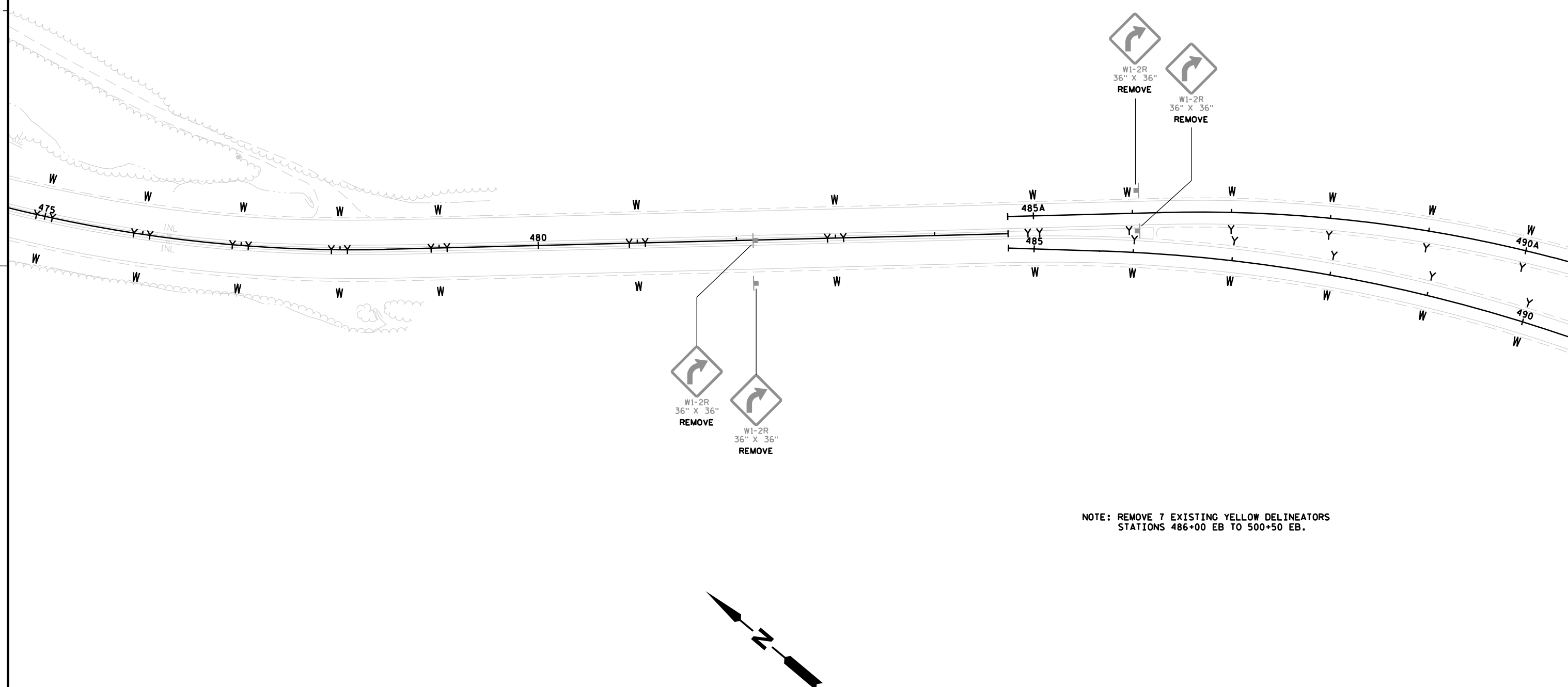
YELLOW DELINEATOR

WEST

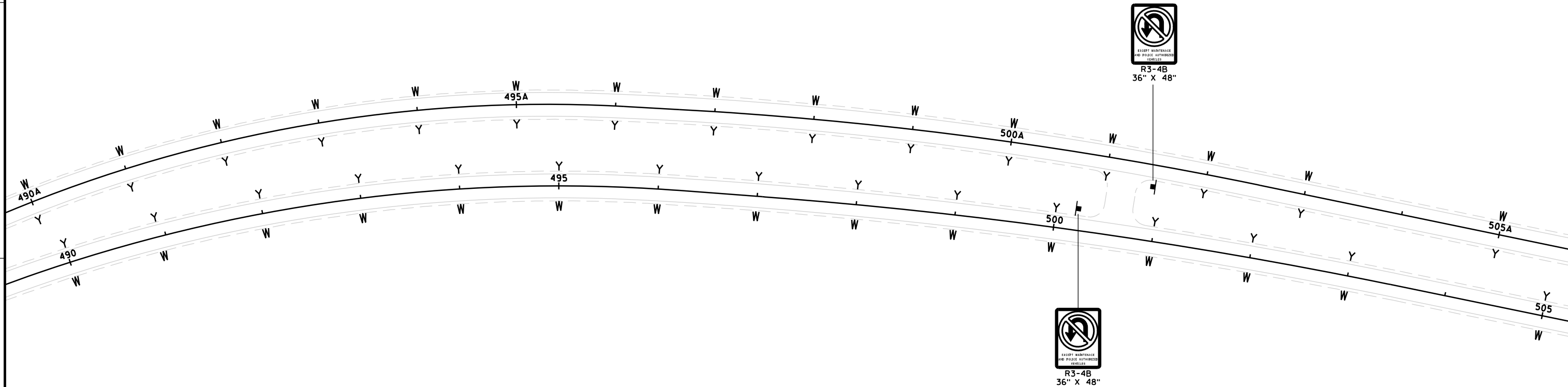
EXISTING SIGN

WEST

PROPOSED SIGN



NOTE: REMOVE 7 EXISTING YELLOW DELINEATORS
STATIONS 486+00 EB TO 500+50 EB.



LEGEND

W

WHITE DELINEATOR

Y

YELLOW DELINEATOR

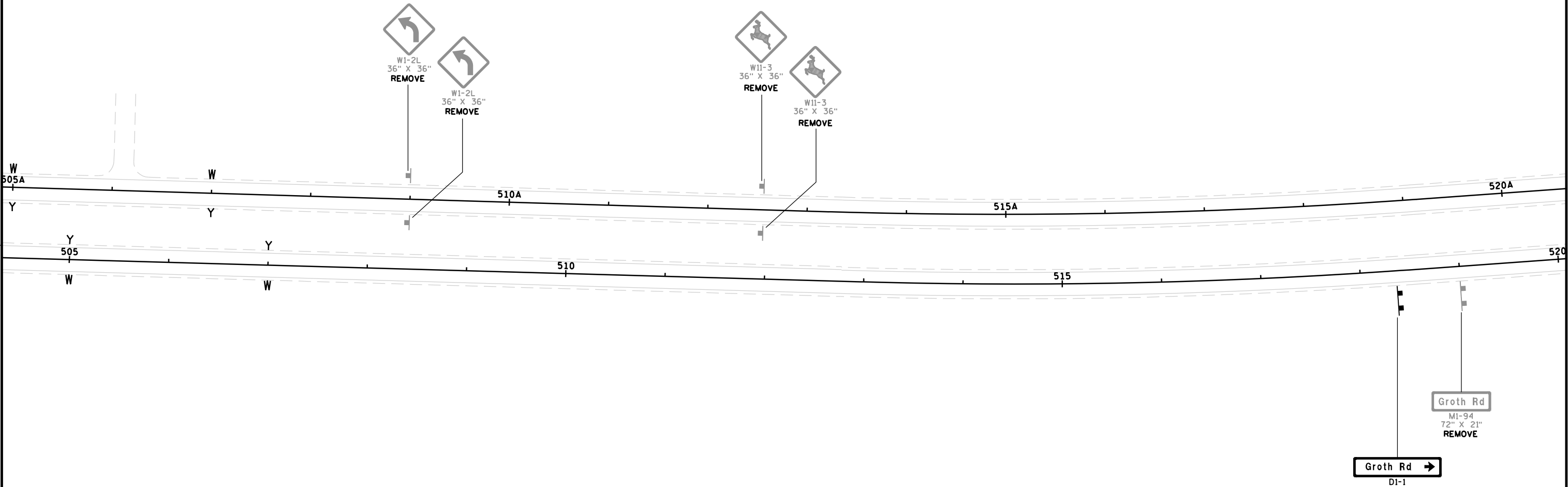
WEST

EXISTING SIGN

WEST

PROPOSED SIGN

NOTE: REMOVE 7 EXISTING YELLOW DELINEATORS
STATIONS 486+00 EB TO 500+50 EB.



LEGEND

W

WHITE DELINEATOR

Y

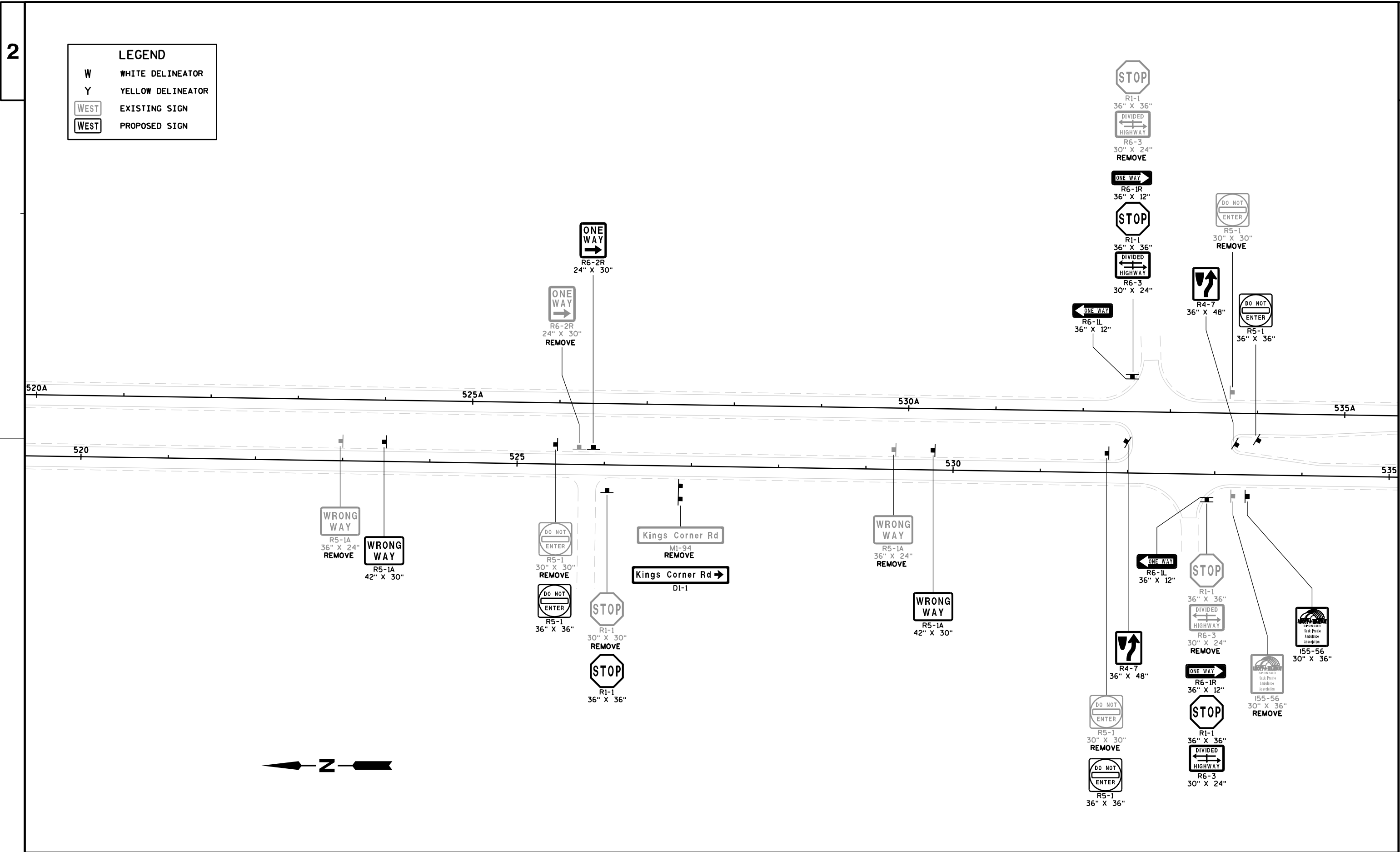
YELLOW DELINEATOR

WEST

EXISTING SIGN

WEST

PROPOSED SIGN



LEGEND

W

WHITE DELINEATOR

Y

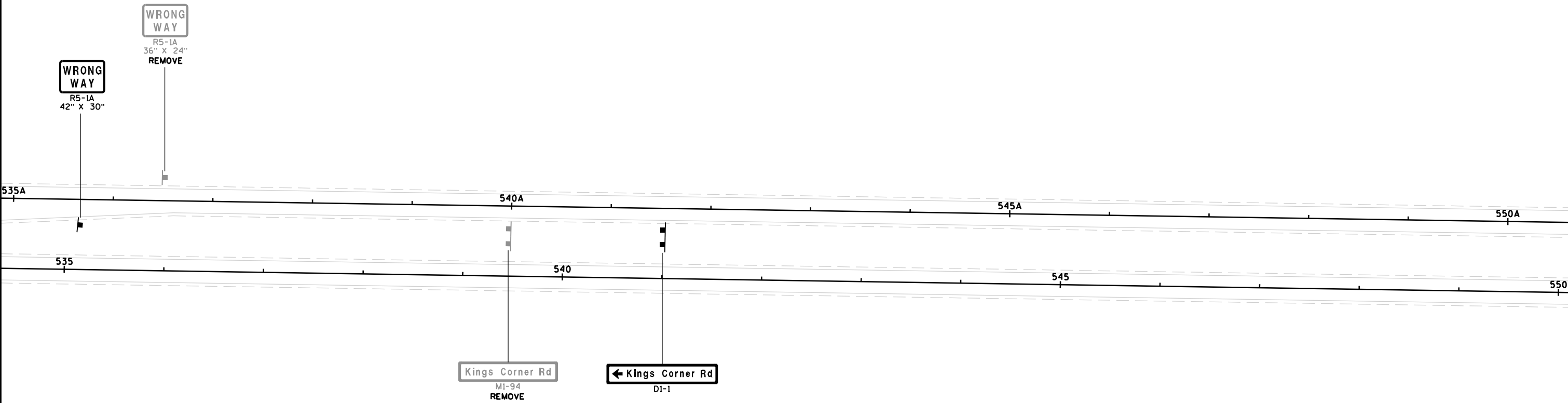
YELLOW DELINEATOR

WEST

EXISTING SIGN

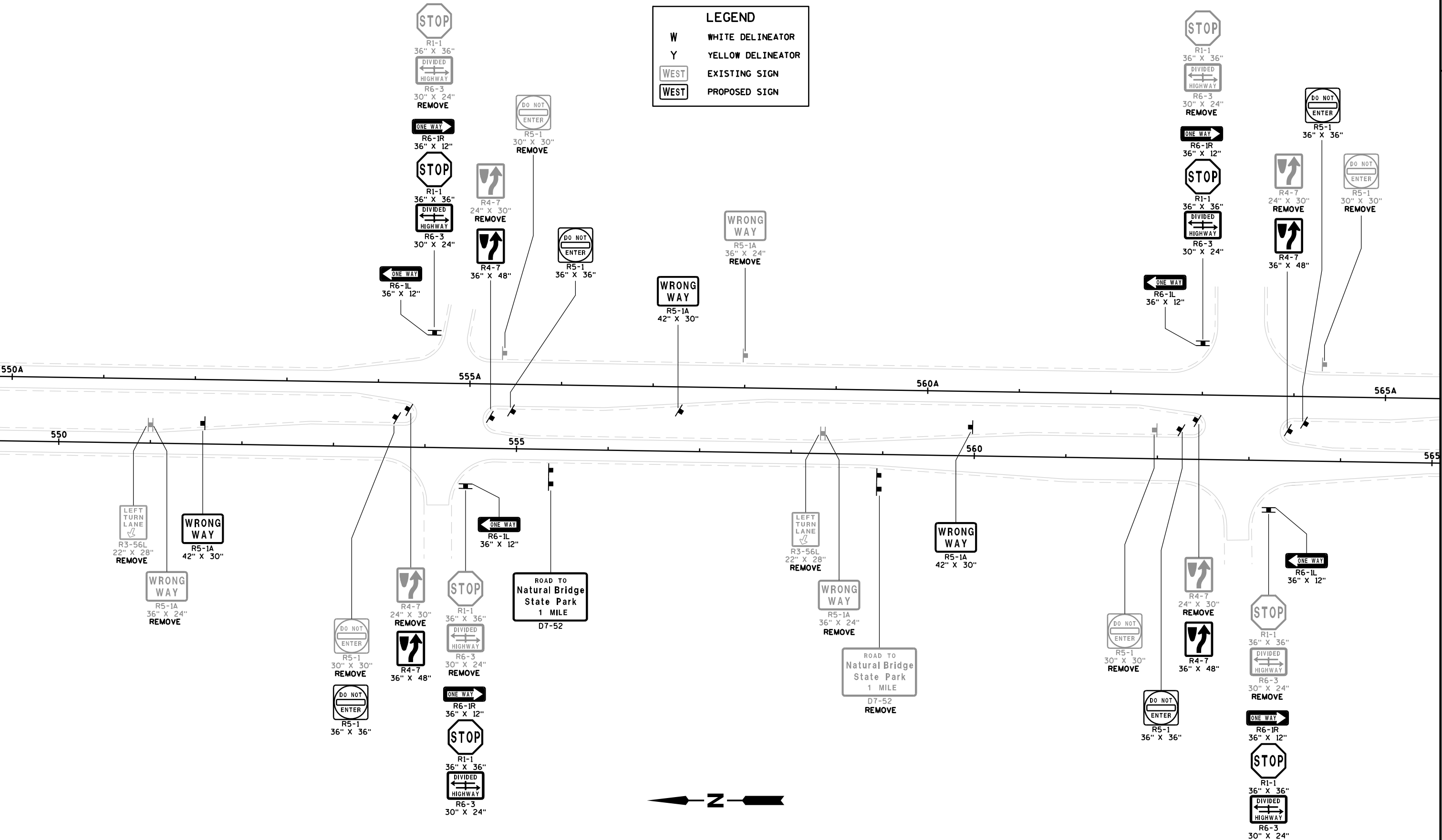
WEST

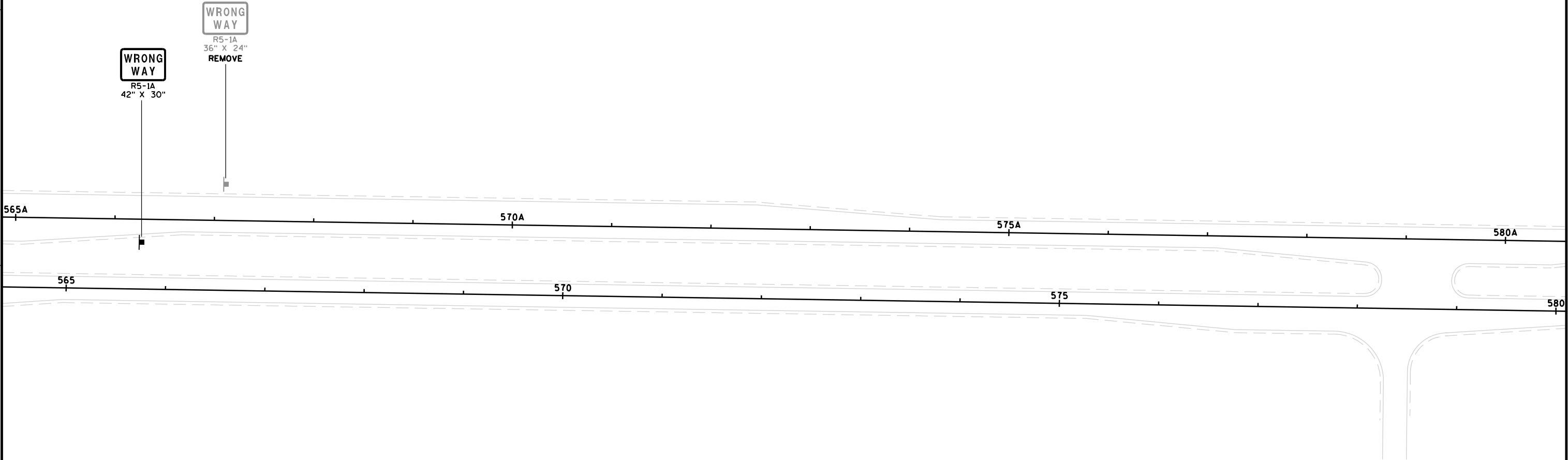
PROPOSED SIGN



LEGEND

W	WHITE DELINEATOR
Y	YELLOW DELINEATOR
WEST	EXISTING SIGN
WEST	PROPOSED SIGN





LEGEND

W

WHITE DELINEATOR

Y

YELLOW DELINEATOR

WEST

EXISTING SIGN

WEST

PROPOSED SIGN

LEGEND

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, THE "FLAGGER AHEAD", THE "ROAD WORK AHEAD" AND THE "ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND THE HIGHWAY RESTORED TO NORMAL OPERATION.

THIS DRAWING SHALL BE USED FOR CENTERLINE AND SHOULDER MILLING OF RUMBLE STRIPS.

- ① MAXIMUM DISTANCE BETWEEN FLAGGER STATIONS SHALL BE TWO MILES.
- ② FOR 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.

	LEAD VEHICLE
	TRAIL VEHICLE WITH TMA
	TRUCK-MOUNTED ATTENUATOR
	SIGN ON PORTABLE SUPPORT
	DIRECTION OF TRAVEL
	FLASHING ARROW PANEL (CAUTION)
	(FLAGGER STATION) FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
	WORK AREA

 WORK AREA

The diagram illustrates the setup for a moving rumble mill. It shows a top-down view of the work zone with two vehicles, V1 and V2, positioned within the 'WORK ZONE LIMITS'. A 'FRONT FACING' sign is shown above the vehicles, and a 'REAR FACING' sign is shown below them. The diagram also shows the placement of various traffic signs: 'ROAD WORK AHEAD' (W20-1), 'ONE LANE ROAD AHEAD' (W20-4), and 'W20-7a' (a sign with a worker icon). Distances between signs and between the vehicles are specified: 500' (TYPICAL) between W20-1 and W20-4, 500' (TYPICAL) between W20-4 and W20-7a, 500' MIN. between W20-7a and the first worker, 200' TO 300' (TYPICAL) between the first worker and V1, and 200' TO 300' (TYPICAL) between V2 and the second worker. The total distance between the two workers is labeled as 'DISTANCE NOT TO EXCEED 1/2 MILE'. The diagram also shows the placement of 'NEXT XX MILES W57-51' signs. A 'SHOULDER' is indicated on both sides of the road. A note at the bottom right states: 'USE OF THE "BE PREPARED WHEN USED, THIS SIGN SHALL'.



W3-4

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.

**MOVING RUMBLE MILLING
OPERATIONS TWO-LANE TWO-WAY ROADWAY
(REPOSITION VEHICLES TO OUTER EDGE FOR SHOULDER MILLING)**

DATE 13DEC12		E S T I M A T E O F Q U A N T I T I E S			
LINE		1670-03-71			
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	204.0180	REMOVING DELINEATORS AND MARKERS	EACH	7.000	7.000
0020	213.0100	FINISHING ROADWAY (PROJECT) 01.	EACH	1.000	1.000
		1670-03-71			
0030	455.0500	ASPHALTIC MATERIAL SEAL COAT	TON	212.200	212.200
0040	465.0400	ASPHALTIC SHOULDER RUMBLE STRIP	LF	64,635.000	64,635.000
0050	465.0475.S	ASPHALT CENTER LINE RUMBLE STRIP 2-LANE	LF	11,385.000	11,385.000
		RURAL			
0060	618.0100	MAINTENANCE AND REPAIR OF HAUL ROADS	EACH	1.000	1.000
		(PROJECT) 01. 1670-03-71			
0070	619.1000	MOBILIZATION	EACH	1.000	1.000
0080	633.0200	DELINEATORS FLEXIBLE	EACH	150.000	150.000
0090	634.0612	POSTS WOOD 4X6-INCH X 12-FT	EACH	1.000	1.000
0100	634.0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	45.000	45.000
0110	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	54.000	54.000
0120	634.0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	13.000	13.000
0130	637.0202	SIGNS REFLECTIVE TYPE II	SF	857.220	857.220
0140	638.2602	REMOVING SIGNS TYPE II	EACH	93.000	93.000
0150	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	86.000	86.000
0160	643.0100	TRAFFIC CONTROL (PROJECT) 01. 1670-03-71	EACH	1.000	1.000
0170	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	70,033.000	70,033.000
0180	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	196.000	196.000
0190	646.0406	PAVEMENT MARKING SAME DAY EPOXY 4-INCH	LF	27,035.000	27,035.000
0200	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	42.000	42.000
0210	648.0100	LOCATING NO-PASSING ZONES	MI	2.140	2.140
0220	649.2100	TEMPORARY RAISED PAVEMENT MARKERS	EACH	365.000	365.000
0230	ASP.1T0A	ON-THE-JOB TRAINING APPRENTICE AT \$5.	HRS	1,200.000	1,200.000
		00/HR			
0240	ASP.1T0G	ON-THE-JOB TRAINING GRADUATE AT \$5.00/HR	HRS	600.000	600.000
0250	SPV.0125	SPECIAL 01. PREPARE EXISTING PAVEMENT	MI	6.690	6.690
		FOR ASPHALTIC SEAL COAT			
0260	SPV.0195	SPECIAL 01. SEAL COAT SPECIAL	TON	1,418.000	1,418.000
0270	SPV.0195	SPECIAL 02. FOG SEAL	TON	74.700	74.700

REMOVING DELINEATORS AND MARKERS

CATEGORY	STATION TO STATION	LOCATION	204.0180 EACH	REMARKS
0010	486+00 - 500+50	USH 12 LT	7	
		TOTAL 0010	7	

PREPARE EXISTING PAVEMENT FOR ASPHALTIC SEAL COAT

CATEGORY	STATION TO STATION	LOCATION	SPV.0125.01 MI	REMARKS
0010	297+03 - 413+23	USH 12	2.20	2 LANES
0010	413+23 - 484+70	USH 12	2.70	2 X 2 LANES
0010	484+70 - 531+85	EB USH 12	0.89	2 LANES
0010	484+70A - 532+37A	WB USH 12	0.90	2 LANES
		TOTAL 0010	6.69	

ASPHALTIC SHOULDER RUMBLE STRIP

SEAL COAT SUMMARY				455.0500 ASPHATLIC MATERIAL TON	SPV.0195.01 SEAL COAT (SPECIAL) TON	SPV.0195.02 FOG SEAL TON	REMARKS
CATEGORY	STATION TO STATION	LOCATION		TON	TON	TON	
0010	297+03 - 310+00	USH 12		10.4	70	3.7	
0010	310+00 - 325+00	USH 12		9.3	62	3.4	
0010	325+00 - 340+00	USH 12		8.9	59	3.2	
0010	340+00 - 355+00	USH 12		8.9	59	3.2	
0010	355+00 - 370+00	USH 12		9.6	65	3.5	
0010	370+00 - 385+00	USH 12		10.0	67	3.6	
0010	385+00 - 400+00	USH 12		8.9	59	3.2	
0010	400+00 - 405+00	USH 12		3.0	20	1.1	
0010	405+00 - 415+00	USH 12		6.9	46	2.5	
0010	415+00 - 418+00	USH 12		2.8	19	1.0	
0010	418+00 - 430+00	USH 12		13.3	89	4.6	
0010	430+00 - 445+00	USH 12		16.6	111	5.7	
0010	445+00 - 460+00	USH 12		16.6	111	5.7	
0010	460+00 - 475+00	USH 12		16.6	111	5.7	
0010	475+00 - 484+70	USH 12		10.7	72	3.7	
0010	484+70 - 486+20	EB USH 12		1.7	11	0.6	
0010	486+20 - 490+00	EB USH 12		2.4	16	0.8	
0010	490+00 - 505+00	EB USH 12		9.7	65	3.4	
0010	505+00 - 520+00	EB USH 12		9.4	63	3.3	
0010	520+00 - 531+85	EB USH 12		7.5	50	2.6	
0010	484+70A - 486+20A	WB USH 12		1.7	11	0.6	
0010	486+20A - 490+00A	WB USH 12		2.2	15	0.8	
0010	490+00A - 505+00A	WB USH 12		8.9	59	3.1	
0010	505+00A - 520+00A	WB USH 12		8.9	59	3.1	
0010	520+00A - 532+37A	WB USH 12		7.3	49	2.6	
		TOTAL 0010		212.2	1418	74.7	

CATEGORY	STATION TO STATION	LOCATION	465.0400 LF	REMARKS
0010	300+29.82 - 375+98.61	USH 12, LT	7569	
0010	300+66.26 - 314+64.15	USH 12, RT	1398	
0010	316+72.35 - 362+59.56	USH 12, RT	4587	
0010	364+36.85 - 484+74.08	USH 12, RT	12037	
0010	377+39.69 - 484+74.08	USH 12, LT	10734	
0010	484+74.08 - 532+12.70	EB USH 12, RT	4739	
0010	486+27.98 - 531+85.20	EB USH 12, LT	4557	
0010	533+17.48 - 553+52.95	EB USH 12, RT	2035	
0010	534+20.05 - 553+77.17	EB USH 12, LT	1957	
0010	554+75.96 - 562+38.54	EB USH 12, LT	763	
0010	554+76.97 - 562+26.98	EB USH 12, RT	750	
0010	484+74.08A - 532+19.02A	WB USH 12, LT	4745	
0010	486+29.63A - 532+37.08A	WB USH 12, RT	4608	
0010	533+35.15A - 554+42.15A	WB USH 12, LT	2107	
0010	533+81.74A - 554+32.03A	WB USH 12, RT	2049	
		TOTAL 0010	64635	

ASPHALT CENTERLINE RUMBLE STRIP 2-LANE RURAL

CATEGORY	STATION TO STATION	LOCATION	465.0475.S LF	REMARKS
0010	302+70.25 - 314+64.15	USH 12, CL	1194	
0010	316+54.19 - 362+11.12	USH 12, CL	4587	
0010	317+17.80 - 330+42.55	USH 12, CL	1325	
0010	364+36.85 - 375+98.65	USH 12, CL	1162	
0010	377+33.39 - 408+50.00	USH 12, CL	3117	
		TOTAL 0010	11385	

REMOVING DELINEATORS AND MARKERS

CATEGORY	STATION TO STATION	LOCATION	204.0180 EACH	REMARKS
0010	486+00 - 500+50	USH 12 LT	7	
		TOTAL 0010	7	

PREPARE EXISTING PAVEMENT FOR ASPHALTIC SEAL COAT

CATEGORY	STATION TO STATION	LOCATION	SPV.0125.01 MI	REMARKS
0010	297+03 - 413+23	USH 12	2.20	2 LANES
0010	413+23 - 484+70	USH 12	2.70	2 X 2 LANES
0010	484+70 - 531+85	EB USH 12	0.89	2 LANES
0010	484+70A - 532+37A	WB USH 12	0.90	2 LANES
		TOTAL 0010	6.69	

ASPHALTIC SHOULDER RUMBLE STRIP

SEAL COAT SUMMARY				SPV.0195.01	SPV.0195.02	REMARKS
CATEGORY	STATION TO STATION	LOCATION	455.0500 ASPHATLIC MATERIAL TON	SEAL COAT (SPECIAL) TON	FOG SEAL TON	
0010	297+03 - 310+00	USH 12	10.4	70	3.7	
0010	310+00 - 325+00	USH 12	9.3	62	3.4	
0010	325+00 - 340+00	USH 12	8.9	59	3.2	
0010	340+00 - 355+00	USH 12	8.9	59	3.2	
0010	355+00 - 370+00	USH 12	9.6	65	3.5	
0010	370+00 - 385+00	USH 12	10.0	67	3.6	
0010	385+00 - 400+00	USH 12	8.9	59	3.2	
0010	400+00 - 405+00	USH 12	3.0	20	1.1	
0010	405+00 - 415+00	USH 12	6.9	46	2.5	
0010	415+00 - 418+00	USH 12	2.8	19	1.0	
0010	418+00 - 430+00	USH 12	13.3	89	4.6	
0010	430+00 - 445+00	USH 12	16.6	111	5.7	
0010	445+00 - 460+00	USH 12	16.6	111	5.7	
0010	460+00 - 475+00	USH 12	16.6	111	5.7	
0010	475+00 - 484+70	USH 12	10.7	72	3.7	
0010	484+70 - 486+20	EB USH 12	1.7	11	0.6	
0010	486+20 - 490+00	EB USH 12	2.4	16	0.8	
0010	490+00 - 505+00	EB USH 12	9.7	65	3.4	
0010	505+00 - 520+00	EB USH 12	9.4	63	3.3	
0010	520+00 - 531+85	EB USH 12	7.5	50	2.6	
0010	484+70A - 486+20A	WB USH 12	1.7	11	0.6	
0010	486+20A - 490+00A	WB USH 12	2.2	15	0.8	
0010	490+00A - 505+00A	WB USH 12	8.9	59	3.1	
0010	505+00A - 520+00A	WB USH 12	8.9	59	3.1	
0010	520+00A - 532+37A	WB USH 12	7.3	49	2.6	
		TOTAL 0010	212.2	1418	74.7	

CATEGORY	STATION TO STATION	LOCATION	465.0400 LF	REMARKS
0010	300+29.82 - 375+98.61	USH 12, LT	7569	
0010	300+66.26 - 314+64.15	USH 12, RT	1398	
0010	316+72.35 - 362+59.56	USH 12, RT	4587	
0010	364+36.85 - 484+74.08	USH 12, RT	12037	
0010	377+39.69 - 484+74.08	USH 12, LT	10734	
0010	484+74.08 - 532+12.70	EB USH 12, RT	4739	
0010	486+27.98 - 531+85.20	EB USH 12, LT	4557	
0010	533+17.48 - 553+52.95	EB USH 12, RT	2035	
0010	534+20.05 - 553+77.17	EB USH 12, LT	1957	
0010	554+75.96 - 562+38.54	EB USH 12, LT	763	
0010	554+76.97 - 562+26.98	EB USH 12, RT	750	
0010	484+74.08A - 532+19.02A	WB USH 12, LT	4745	
0010	486+29.63A - 532+37.08A	WB USH 12, RT	4608	
0010	533+35.15A - 554+42.15A	WB USH 12, LT	2107	
0010	533+81.74A - 554+32.03A	WB USH 12, RT	2049	
		TOTAL 0010	64635	

ASPHALT CENTERLINE RUMBLE STRIP 2-LANE RURAL

CATEGORY	STATION TO STATION	LOCATION	465.0475.S LF	REMARKS
0010	302+70.25 - 314+64.15	USH 12, CL	1194	
0010	316+54.19 - 362+11.12	USH 12, CL	4587	
0010	317+17.80 - 330+42.55	USH 12, CL	1325	
0010	364+36.85 - 375+98.65	USH 12, CL	1162	
0010	377+33.39 - 408+50.00	USH 12, CL	3117	
		TOTAL 0010	11385	

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DELINEATOR FLEXIBLE

				633.0200		
CATEGORY	STATION TO	STATION	LOCATION	EACH	REMARKS	
0010	454+00	- 458+00	USH 12, LT	3	WHITE; 200' SPACING	
0010	454+00	- 458+00	USH 12, MEDIAN	3	YELLOW; DOUBLE SIDED; 200' SPACING	
0010	454+00	- 458+00	USH 12, RT	3	WHITE; 200' SPACING	
0010	459+00	- 462+00	USH 12, LT	4	WHITE; 100' SPACING	
0010	459+00	- 462+00	USH 12, MEDIAN	4	YELLOW; DOUBLE SIDED; 200' SPACING	
0010	459+00	- 462+00	USH 12, RT	4	WHITE; 100' SPACING	
0010	463+00	- 471+00	USH 12, LT	5	WHITE; 200' SPACING	
0010	463+00	- 471+00	USH 12, MEDIAN	5	YELLOW; DOUBLE SIDED; 200' SPACING	
0010	463+00	- 471+00	USH 12, RT	5	WHITE; 200' SPACING	
0010	472+00	- 478+00	USH 12, LT	7	WHITE; 100' SPACING	
0010	472+00	- 478+00	USH 12, MEDIAN	7	YELLOW; DOUBLE SIDED; 200' SPACING	
0010	472+00	- 478+00	USH 12, RT	7	WHITE; 100' SPACING	
0010	479+00	- 483+00	USH 12, LT	3	WHITE; 200' SPACING	
0010	479+00	- 483+00	USH 12, MEDIAN	3	YELLOW; DOUBLE SIDED; 200' SPACING	
0010	479+00	- 483+00	USH 12, RT	3	WHITE; 200' SPACING	
0010	485+00	- 502+00	EB USH 12, LT	18	YELLOW; 100' SPACING	
0010	485+00	- 502+00	EB USH 12, RT	18	WHITE; 100' SPACING	
0010	503+00	- 507+00	EB USH 12, LT	3	YELLOW; 200' SPACING	
0010	503+00	- 507+00	EB USH 12, RT	3	WHITE; 200' SPACING	
0010	485+00A	- 502+00A	WB USH 12, LT	18	WHITE; 100' SPACING	
0010	485+00A	- 502+00A	WB USH 12, RT	18	YELLOW; 100' SPACING	
0010	503+00A	- 507+00A	WB USH 12, LT	3	WHITE; 200' SPACING	
0010	503+00A	- 507+00A	WB USH 12, RT	3	YELLOW; 200' SPACING	
TOTAL 0010				150		

TEMPORARY RAISED PAVEMENT MARKERS

				649.2100		
CATEGORY	STATION TO	STATION	LOCATION	EACH	REMARKS	
0010	297+03	- 299+70	USH 12, CL	6	YELLOW; 50' SPACING	
0010	300+30	- 406+15	USH 12, CL	212	YELLOW; 50' SPACING	
0010	406+15	- 413+23	USH 12, CL	30	YELLOW; 50' SPACING	
0010	413+23	- 484+74	USH 12, RT	36	WHITE; 200' SPACING	
0010	419+90	- 484+74	USH 12, LT	33	WHITE; 200' SPACING	
0010	484+74	- 531+85	EB USH 12, CL	24	WHITE; 200' SPACING	
0010	484+74A	- 532+37A	WB USH 12, CL	24	WHITE; 200' SPACING	
TOTAL 0010				365		

LOCATING NO-PASSING ZONES

				648.0100		
CATEGORY	STATION TO	STATION	LOCATION	MI	REMARKS	
0010	300+00	- 413+23	USH 12	2.14		
TOTAL 0010				2.14		

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PAVEMENT MARKING EPOXY 4-INCH SUMMARY

				646.0106	646.0406		
				EPOXY	SAME DAY		
				4-INCH	EPOXY		
				LF	4-INCH		
CATEGORY	STATION TO	STATION	LOCATION	LF	LF	REMARKS	
0010	297+03	- 299+70	USH 12, LT	267		WHITE EDGELINE	
0010	297+03	- 299+70	USH 12, CL		534	YELLOW DOUBLE CENTERLINE	
0010	297+03	- 299+04	USH 12, RT	201		WHITE EDGELINE	
0010	298+32	- 301+23	USH 12, RT		73	WHITE DASHED CENTERLINE (EB LANES)	
0010	300+30	- 366+60	USH 12, CL		13260	YELLOW DOUBLE CENTERLINE	
0010	300+30	- 314+64	USH 12, RT	1434		WHITE EDGELINE	
0010	300+60	- 375+99	USH 12, LT	7539		WHITE EDGELINE	
0010	314+64	- 315+02	USH 12, RT	10		WHITE DASHED EDGELINE	
0010	316+02	- 362+11	USH 12, RT	4609		WHITE EDGELINE	
0010	362+11	- 362+88	USH 12, RT	19		WHITE DASHED EDGELINE	
0010	363+84	- 484+74	USH 12, RT	12090		WHITE EDGELINE	
0010	366+60	- 380+30	USH 12, CL		1713	YELLOW LINE/DASHED CENTERLINE	
0010	377+40	- 378+33	USH 12, LT	23		WHITE DASHED EDGELINE	
0010	378+33	- 484+74	USH 12, LT	10641		WHITE EDGELINE	
0010	380+30	- 387+70	USH 12, CL		185	YELLOW DASHED CENTERLINE	
0010	387+70	- 401+40	USH 12, CL		1713	YELLOW DASHED/LINE CENTERLINE	
0010	401+40	- 406+15	USH 12, CL		950	YELLOW DOUBLE CENTERLINE	
0010	406+15	- 413+23	USH 12, CL		2833	YELLOW DOUBLE CENTERLINE x2	
0010	413+23	- 484+74	USH 12, LT	7151		YELLOW EDGELINE (WB INSIDE EDGE)	
0010	413+23	- 484+74	USH 12, RT		1787	WHITE DASHED CENTERLINE (EB LANES)	
0010	413+23	- 484+74	USH 12, RT	7151		YELLOW EDGELINE (EB INSIDE EDGE)	
0010	419+90	- 484+74	USH 12, LT		1620	WHITE DASHED CENTERLINE (WB LANES)	
0010	484+74	- 525+56	EB USH 12, RT	4082		WHITE EDGELINE	
0010	484+74	- 531+85	EB USH 12, CL		1177	WHITE DASHED CENTERLINE	
0010	484+74	- 531+85	EB USH 12, LT	4711		YELLOW EDGELINE	
0010	526+06	- 531+85	EB USH 12, RT	579		WHITE EDGELINE	
0010	484+74A	- 532+37A	WB USH 12, LT	4763		WHITE EDGELINE	
0010	484+74A	- 532+37A	WB USH 12, CL		1190	WHITE DASHED CENTERLINE	
0010	484+74A	- 532+37A	WB USH 12, RT	4763		YELLOW EDGELINE	
TOTAL 0010				70033	27035		

PAVEMENT MARKING EPOXY 8-INCH

				646.0126		
				LF	REMARKS	
CATEGORY	STATION TO	STATION	LOCATION	LF		
0010	300+29.82	- 302+26.26	USH 12, LT	196	WHITE CHANNELIZING 8 INCH	
TOTAL 0010				196		

PAVEMENT MARKING STOP LINE EPOXY 18-INCH

				647.0566		
				LF	REMARKS	
CATEGORY	STATION	LOCATION		LF		
0010	300+00	EAST SIDE USH 12 & STH 159		14	WHITE STOP LINE	
0010	532+75	WEST SIDE USH 12 & KINGS CORNER ROAD		14	WHITE STOP LINE	
0010	532+75A	EAST SIDE USH 12 & KINGS CORNER ROAD		14	WHITE STOP LINE	
TOTAL 0010				42		

3

PERMANENT SIGNING SUMMARY														
CATEGORY	STATION	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES	637.0202 SIGN REFLECTIVE TYPE II SF	638.2602 REMOVING SIGN TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	634.0612 POSTS WOOD 4X6-INCH X 12-FT EACH	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	NOTES
0010	1 302+00	USH 12 Right	W8-70	36" x 36"	Centerline Rumble Strips		9.00						1	New Sign
0010	2 302+00	USH 12 Right	W57-51	30" x 15"	Next _ Miles	2	3.12							New Sign
0010	3 302+80	USH 12 Right	I55-56	30" x 36"	Adopt a Highway [Sponsor]			1	1					Remove Sign
0010	4 303+00	USH 12 Right	I55-56	30" x 36"	Adopt a Highway [Sponsor]	St. Claire Hospital St. Claire Meadows	7.50					1		New Sign
0010	5 306+00	USH 12 Right	R2-1	24" x 30"	Speed Limit (55)	55	5.00				1			New Sign
0010	6 308+00	USH 12 Right	D1-1	102" x 15"	One Destination (Arrow)	Skillet Creek Road ->	10.62				1	1		New Sign
0010	7 310+20	USH 12 Left	W1-2L	30" x 30"	Left Curve			1						Remove Sign
0010	8 310+20	USH 12 Left	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45		1	1					Remove Sign
0010	9 310+20	USH 12 Right	W1-2L	30" x 30"	Left Curve			1						Remove Sign
0010	10 310+20	USH 12 Right	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45		1	1					Remove Sign
0010	11 313+40	USH 12 Right	W1-2L	30" x 30"	Left Curve		6.25						1	New Sign
0010	12 313+40	USH 12 Right	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45	2.25							New Sign
0010	13 313+40	USH 12 Left	W1-2L	30" x 30"	Left Curve		6.25						1	New Sign
0010	14 313+40	USH 12 Left	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45	2.25							New Sign
0010	15 314+80	USH 12 Left	W1-2L	30" x 30"	Left Curve			1	1					Remove Sign
0010	16 318+60	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	17 318+60	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	18 319+80	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	19 320+00	USH 12 Right	W1-6	48" x 24"	Night Arrow (Single)		6.00	1	1					Change to High Reflective Sign
0010	20 320+00	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	21 321+20	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	22 321+20	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	23 322+00	USH 12 Left	M1-94	72" x 15"	Crossroad Name	Skillet Creek Road		1	2					Remove Sign
0010	24 322+00	USH 12 Left	D1-1	102" x 15"	One Destination (Arrow)	<- Skillet Creek Road	10.62				1	1		Change to High Reflective Sign
0010	25 322+40	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	26 322+40	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	27 323+60	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	28 323+60	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	29 324+50	USH 12 Right	W1-6	48" x 24"	Night Arrow (Single)		6.00	1	1					Change to High Reflective Sign
0010	30 324+50	USH 12 Right	W1-6	48" x 24"	Night Arrow (Single)		6.00	1	1					Change to High Reflective Sign
0010	31 324+80	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	32 324+80	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	33 326+00	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	34 326+00	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	35 327+20	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	36 327+20	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	37 327+80	USH 12 Right	W1-6	48" x 24"	Night Arrow (Single)		6.00	1	1					Change to High Reflective Sign
0010	38 328+40	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	39 328+40	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	40 330+00	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	41 330+00	USH 12 Right	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	42 330+20	USH 12 Left	S3-1	36" x 36"	School Bus Stop Ahead		9.00	1	1			1		Change to Size 3
0010	43 334+00	USH 12 Right	W1-2R	30" x 30"	Right Curve		6.25					1		New Sign
0010	44 334+00	USH 12 Right	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45	2.25							New Sign
0010	45 334+00	USH 12 Left	W1-2R	30" x 30"	Right Curve		6.25					1		New Sign
0010	46 334+00	USH 12 Left	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45	2.25							New Sign
0010	47 335+40	USH 12 Right	W1-2R	30" x 30"	Right Curve			1	1					Remove Sign
0010	48 335+40	USH 12 Right	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45		1						Remove Sign
0010	49 335+40	USH 12 Left	W1-2R	30" x 30"	Right Curve			1	1					Remove Sign
0010	50 335+40	USH 12 Left	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45		1						Remove Sign
0010	51 343+00	USH 12 Left	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	52 343+00	USH 12 Left	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	53 344+60	USH 12 Left	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	54 344+60	USH 12 Left	W1-8	18" x 24"	Chevron		3.00				1			New Sign
0010	55 346+20	USH 12 Left	W1-8	18" x 24"	Chevron		3.00				1			New Sign
Page 1 Total							187.86	16	13	0	28	8	1	

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3

PERMANENT SIGNING SUMMARY (CONT'D)														
CATEGORY	STATION	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES	637.0202	638.2602	638.3000	634.0612	634.0614	634.0616	634.0618	NOTES
							REFLECTIVE TYPE II SF	REMOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH	POSTS WOOD 4X6-INCH X 12-FT EACH	POSTS WOOD 4X6-INCH X 14-FT EACH	POSTS WOOD 4X6-INCH X 16-FT EACH	POSTS WOOD 4X6-INCH X 18-FT EACH	
0010	56	346+20	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	57	347+80	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	58	347+80	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	59	349+40	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	60	349+40	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	61	351+00	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	62	351+00	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	63	354+00	USH 12 Left	W1-2L	30" x 30"		6.25					1		New Sign
0010	64	356+00	USH 12 Right	D1-1	78" x 15"		8.12				1	1		New Sign
0010	65	356+50	USH 12 Left	D7-52	60" x 42"		17.50					2		New Sign
0010	66	357+50	USH 12 Left	W1-2L	30" x 30"			1	1					Remove Sign
0010	67	357+50	USH 12 Right	W1-2L	30" x 30"			1						Remove Sign
0010	68	357+50	USH 12 Right	M1-94	68" x 15"			1	2					Remove Sign
0010	69	365+40	USH 12 Left	D7-52	60" x 30"			1	2					Remove Sign
0010	70	368+00	USH 12 Right	D1-1	72" x 15"		7.50				2			New Sign
0010	71	369+00	USH 12 Left	M1-94	66" x 15"			1	2					Remove Sign
0010	72	369+20	USH 12 Right	M1-94	60" x 15"			1	2					Remove Sign
0010	73	370+00	USH 12 Left	D1-1	78" x 15"		8.12				1	1		New Sign
0010	74	370+50	USH 12 Left	W2-2	30" x 30"			1	1					Remove Sign
0010	75	372+00	USH 12 Left	W2-2	30" x 30"		6.25					1		New Sign
0010	76	375+30	Ski Hi Rd Right	R1-1	30" x 30"		9.00	1	1			1		Change to Size 3
0010	77	379+00	USH 12 Left	I55-56	30" x 36"		7.50	1	1			1		Change to High Relfective Sign
0010	78	380+20	USH 12 Right	W14-3	48" x 36"		6.00	1	1			1		Change to High Relfective Sign; Place after No Passing Zones Located
0010	79	382+50	USH 12 Left	M1-94	56" x 15"			1	2					Remove Sign
0010	80	383+50	USH 12 Left	D1-1	72" x 15"		7.50				2			New Sign
0010	81	387+80	USH 12 Left	W14-3	48" x 36"		6.00	1	1			1		Change to High Relfective Sign; Place after No Passing Zones Located
0010	82	408+50	USH 12 Left	W8-70	36" x 36"		9.00						1	New Sign
0010	83	408+50	USH 12 Left	W57-51	30" x 15"	2	3.12							New Sign
0010	84	411+50	USH 12 Right	W14-3	48" x 36"		6.00	1	1			1		Change to High Relfective Sign
0010	85	413+40	EB Median	R4-7	36" x 48"		12.00	1	1	1				Change to High Reflective Sign
0010	86	413+40	EB Median	W5-54	18" x 18"		2.25							New Sign
0010	87	417+40	WB Left	R5-1A	42" x 30"		8.75					1		New Sign
0010	88	417+50	WB Left	W6-2	36" x 36"		9.00					1		New Sign
0010	89	418+10	WB Left	R5-1A	36" x 24"			1						Remove Sign
0010	90	418+10	WB Left	W4-2R	36" x 36"			1	1					Remove Sign
0010	91	418+10	EB Median	W4-2R	36" x 36"			1						Remove Sign
0010	92	423+00	WB Left	W4-2R	36" x 36"		9.00					1		New Sign
0010	93	423+00	EB Median	W4-2R	36" x 36"		9.00					1		New Sign
0010	94	423+25	WB Left	W9-1R	36" x 36"			1	1					Remove Sign
0010	95	423+25	EB Median	W9-1R	36" x 36"			1	1					Remove Sign
0010	96	427+20	WB Left	W9-1R	36" x 36"		9.00					1		New Sign
0010	97	427+20	EB Median	W9-1R	36" x 36"		9.00					1		New Sign
0010	98	428+30	WB Left	W6-2	36" x 36"			1	1					Remove Sign
0010	99	428+30	EB Median	W6-2	36" x 36"			1	1					Remove Sign
0010	100	438+90	EB Median	W11-3	36" x 36"			1	1					Remove Sign
0010	101	438+90	EB Right	W11-3	36" x 36"			1	1					Remove Sign
0010	102	443+00	EB Median	W11-5	36" x 36"			1						Remove Sign
0010	103	443+00	EB Median	W7-1	36" x 36"		9.00	1	1			1		Change to High Reflective Sign
0010	104	443+00	EB Median	W7-3	24" x 18"	7	3.00							New Sign
0010	105	447+80	WB Left	W11-5	36" x 36"		9.00						1	New Sign
0010	106	451+50	EB Median	W1-2L	36" x 36"			1	1					Remove Sign
0010	107	451+50	EB Right	W1-2L	36" x 36"			1	1					Remove Sign
0010	108	454+50	EB Median	W8-54	36" x 36"			1	1					Remove Sign
0010	109	454+50	EB Median	W8-14	36" x 36"		9.00					1		New Sign
0010	110	454+50	EB Right	W8-54	36" x 36"			1	1					Remove Sign
Page 2 Total							226.86	29	30	1	13	19	2	

3

3

3

PERMANENT SIGNING SUMMARY (CONT'D)

							637.0202	638.2602	638.3000	634.0612	634.0614	634.0616	634.0618		
							SIGNS	REMOVING	REMOVING	POSTS	POSTS	POSTS	POSTS		
							REFLECTIVE	SIGNS	SMALL	WOOD	WOOD	WOOD	WOOD		
							TYPE II	TYPE II	SUPPORTS	4X6-INCH	4X6-INCH	4X6-INCH	4X6-INCH		
CATEGORY	STATION	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES	SF	EACH	EACH	EACH	EACH	EACH	EACH	NOTES	
0010	111	454+50	EB Right	W8-14	36" x 36"		9.00						1	New Sign	
0010	112	469+20	WB Left	W1-2R	36" x 36"			1	1					Remove Sign	
0010	113	469+20	EB Median	W1-2R	36" x 36"			1						Remove Sign	
0010	114	469+20	EB Median	W1-2L	36" x 36"			1	1					Remove Sign	
0010	115	469+20	EB Right	W1-2L	36" x 36"			1	1					Remove Sign	
0010	116	482+20	EB Median	W1-2R	36" x 36"			1	1					Remove Sign	
0010	117	482+20	EB Right	W1-2R	36" x 36"			1	1					Remove Sign	
0010	118	486+00A	WB Left	W1-2R	36" x 36"			1	1					Remove Sign	
0010	119	486+00A	WB Median	W1-2R	36" x 36"			1	1					Remove Sign	
0010	120	500+20	EB Median	R3-4B	36" x 48"		12.00					1		New Sign	
0010	121	501+50A	WB Median	R3-4B	36" x 48"		12.00					1		New Sign	
0010	122	509+00A	WB Left	W1-2L	36" x 36"			1	1					Remove Sign	
0010	123	509+00A	WB Median	W1-2L	36" x 36"			1	1					Remove Sign	
0010	124	512+50A	WB Left	W11-5	36" x 36"			1	1					Remove Sign	
0010	125	512+50A	WB Median	W11-5	36" x 36"			1	1					Remove Sign	
0010	126	518+30	EB Right	D1-1	84" x 21"	Groth Rd ->	12.25			1		1		New Sign	
0010	127	519+00	EB Right	M1-94	72" x 21"	Groth Rd		1	2					Remove Sign	
0010	128	523+00	EB Median	R5-1A	36" x 24"	Wrong Way		1	1					Remove Sign	
0010	129	523+50	EB Median	R5-1A	42" x 30"	Wrong Way	8.75					1		New Sign	
0010	130	525+30	EB Median	R5-1	36" x 36"	Do Not Enter	9.00	1	1			1		Change to Size 3 & High Reflective	
0010	131	525+85	EB Median	R6-1R	24" x 30"	One Way RIGHT Arrow	5.00	1	1		1			Change to High Reflective	
0010	132	526+00	Groth Rd Right	R1-1	36" x 36"	Stop	9.00					1		Change to High Reflective	
0010	133	526+90	EB Right	M1-94		Crossroad Name		1	2					Remove Sign	
0010	134	526+90	EB Right	D1-1	132" x 21"	One Destination (Arrow)	19.25			1		1		New Sign	
0010	135	529+40	EB Median	R5-1A	36" x 24"	Wrong Way		1	1					Remove Sign	
0010	136	529+90	EB Median	R5-1A	42" x 30"	Wrong Way	8.75					1		New Sign	
0010	137	531+90	EB Median	R5-1	36" x 36"	Do Not Enter	9.00	1	1			1		Change to Size 3 & High Reflective	
0010	138	532+00	EB Median	R4-7	36" x 48"	Keep Right	12.00					1		New Sign	
0010	139	532+50A	Kings Corner Rd Lt	R1-1	36" x 36"	Stop	9.00	1	1				1	Change to High Reflective	
0010	140	532+50A	Kings Corner Rd Lt	R6-3	30" x 24"	Divided Highway Crossing Sign and Intersection	5.00	1						Change to High Reflective	
0010	141	532+50A	Kings Corner Rd Lt	R6-1R	36" x 12"	One Way RIGHT Arrow	3.00							New Sign	
0010	142	532+50A	Kings Corner Rd Lt	R6-1L	36" x 12"	One Way LEFT Arrow	3.00							New Sign	
0010	143	532+90	Kings Corner Rd Rt	R1-1	36" x 36"	Stop	9.00	1	1				1	Change to High Reflective	
0010	144	532+90	Kings Corner Rd Rt	R6-3	30" x 24"	Divided Highway Crossing Sign and Intersection	5.00	1						Change to High Reflective	
0010	145	532+90	Kings Corner Rd Rt	R6-1R	36" x 12"	One Way RIGHT Arrow	3.00							New Sign	
0010	146	532+90	Kings Corner Rd Rt	R6-1L	36" x 12"	One Way LEFT Arrow	3.00							New Sign	
0010	147	533+10	EB Right	I55-56	30" x 36"	Adopt a Highway [Sponsor]		1	1					Remove Sign	
0010	148	533+10	EB Right	I55-56	30" x 36"	Adopt a Highway [Sponsor]	7.50					1		New Sign	
						Sauk Prairie Ambulance Association									
0010	149	533+80A	WB Left	R5-1	30" x 30"	Do Not Enter		1	1					Remove Sign	
0010	150	533+90A	WB Median	R4-7	36" x 48"	Keep Right	12.00					1		New Sign	
0010	151	534+00A	WB Median	R5-1	36" x 36"	Do Not Enter	9.00					1		New Sign	
0010	152	535+75A	WB Median	R5-1A	42" x 30"	Wrong Way	8.75					1		New Sign	
0010	153	536+50A	WB Left	R5-1A	36" x 24"	Wrong Way		1	1					New Sign	
0010	154	540+00A	WB Median	M1-94		Crossroad Name		1	2					Remove Sign	
0010	155	541+50A	WB Median	D1-1	132" x 21"	One Destination (Arrow)	19.25				1	1	1	New Sign	
0010	156	551+00	EB Median	R3-55L	24" x 30"	Left Turn Lane		1	1					Remove Sign	
0010	157	551+00	EB Median	R5-1A	36" x 24"	Wrong Way		1						Remove Sign	
0010	158	551+50	EB Median	R5-1A	42" x 36"	Wrong Way	8.75					1		New Sign	
0010	159	553+60	EB Median	R5-1	36" x 36"	Do Not Enter	9.00	1	1			1		Change to Size 3 & High Reflective	
0010	160	553+80	EB Median	R4-7	36" x 48"	Keep Right	12.00	1	1			1		Change to High Reflective	
0010	161	554+40	North Road Rt	R1-1	36" x 36"	Stop	9.00	1	1				1	Change to High Reflective	
0010	162	554+40	North Road Rt	R6-3	30" x 24"	Divided Highway Crossing Sign and Intersection	5.00	1						Change to High Reflective	
0010	163	554+40	North Road Rt	R6-1R	36" x 12"	One Way RIGHT Arrow	3.00							New Sign	
0010	164	554+40	North Road Rt	R6-1L	36" x 12"	One Way LEFT Arrow	3.00							New Sign	
0010	165	554+75A	WB Left	R1-1	36" x 36"	Stop	9.00	1	1				1	Change to High Reflective	

Page 3 Total 281.25 34 32 0 4 18 6

3

PERMANENT SIGNING SUMMARY (CONT'D)														
CATEGORY	STATION	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES	637.0202	638.2602	638.3000	634.0612	634.0614	634.0616	634.0618	NOTES
							SIGNS	REMOVING	REMOVING	POSTS	POSTS	POSTS	POSTS	
							REFLECTIVE TYPE II SF	SIGNS TYPE II EACH	SIGN SUPPORTS EACH	4X6-INCH X 12-FT EACH	4X6-INCH X 14-FT EACH	4X6-INCH X 16-FT EACH	4X6-INCH X 18-FT EACH	
0010	166	554+75A	WB Left	R6-3	30" x 24"	Divided Highway Crossing Sign and Intersection	5.00	1						Change to High Reflective
0010	167	554+75A	WB Left	R6-1R	36" x 12"	One Way RIGHT Arrow	3.00							New Sign
0010	168	554+75A	WB Left	R6-1L	36" x 12"	One Way LEFT Arrow	3.00							New Sign
0010	169	555+20	EB Right	D7-52	72" x 42"	Road to [Name State Park] [1] Mile	21.00						2	New Sign
0010	170	555+20A	WB Median	R4-7	36" x 48"	Keep Right	12.00	1	1			1		Change to Size 3 & High Reflective
0010	171	555+30A	WB Left	R5-1	30" x 30"	Do Not Enter		1	1					Remove Sign
0010	172	555+40A	WB Median	R5-1	36" x 36"	Do Not Enter	9.00					1		New Sign
0010	173	557+30A	WB Median	R5-1A	42" x 30"	Wrong Way	8.75					1		New Sign
0010	174	558+00A	WB Left	R5-1A	36" x 24"	Wrong Way		1	1					Remove Sign
0010	175	558+40	EB Median	R3-55L	24" x 30"	Left Turn Lane		1	1					Remove Sign
0010	176	558+40	EB Median	R5-1A	36" x 24"	Wrong Way		1						Remove Sign
0010	177	558+85	EB Right	D7-52	72" x 42"	Road to [Name State Park] [1] Mile		1	2					Remove Sign
0010	178	560+00	EB Median	R5-1A	42" x 30"	Wrong Way	8.75					1		New Sign
0010	179	562+00	EB Median	R5-1	30" x 30"	Do Not Enter		1	1					Remove Sign
0010	180	562+20	EB Median	R5-1	36" x 36"	Do Not Enter	9.00					1		New Sign
0010	181	562+40	EB Median	R4-7	36" x 48"	Keep Right	12.00					1		New Sign
0010	182	563+05A	WB Left	R1-1	36" x 36"	Stop	9.00	1	1				1	Change to High Reflective
0010	183	563+05A	WB Left	R6-3	30" x 24"	Divided Highway Crossing Sign and Intersection	5.00	1						Change to High Reflective
0010	184	563+05A	WB Left	R6-1R	36" x 12"	One Way RIGHT Arrow	3.00							New Sign
0010	185	563+05A	WB Left	R6-1L	36" x 12"	One Way LEFT Arrow	3.00							New Sign
0010	186	563+10	East Road Rt	R1-1	36" x 36"	Stop	9.00	1	1				1	Change to High Reflective
0010	187	563+10	East Road Rt	R6-3	30" x 24"	Divided Highway Crossing Sign and Intersection	5.00	1						Change to High Reflective
0010	188	563+10	East Road Rt	R6-1R	36" x 12"	One Way RIGHT Arrow	3.00							New Sign
0010	189	563+10	East Road Rt	R6-1L	36" x 12"	One Way LEFT Arrow	3.00							New Sign
0010	190	563+90A	WB Median	R4-7	36" x 48"	Keep Right	12.00					1		New Sign
0010	191	564+10A	WB Median	R5-1	36" x 36"	Do Not Enter	9.00					1		New Sign
0010	192	564+40A	WB Left	R5-1	30" x 30"	Do Not Enter		1	1					Remove Sign
0010	193	565+30A	WB Median	R5-1A	42" x 30"	Wrong Way	8.75					1		New Sign
0010	194	567+10A	WB Left	R5-1A	36" x 24"	Wrong Way		1	1					Remove Sign
Page 4 Total							161.25	14	11	0	0	9	4	
TOTAL 0010							857.22	93	86	1	45	54	13	

PROJECT NO: 1670-03-71	HWY: USH 12	COUNTY: SAUK	MISCELLANEOUS QUANTITIES	SHEET:
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3

PAVEMENT MARKING EPOXY 4-INCH SUMMARY

			646.0106	646.0406		
			EPOXY	SAME DAY		
			4-INCH	EPOXY		
CATEGORY	STATION TO	STATION	LOCATION	LF	LF	REMARKS
0010	297+03	- 299+70	USH 12, LT	267		WHITE EDGELINE
0010	297+03	- 299+70	USH 12, CL		534	YELLOW DOUBLE CENTERLINE
0010	297+03	- 299+04	USH 12, RT	201		WHITE EDGELINE
0010	298+32	- 301+23	USH 12, RT		73	WHITE DASHED CENTERLINE (EB LANES)
0010	300+30	- 366+60	USH 12, CL		13260	YELLOW DOUBLE CENTERLINE
0010	300+30	- 314+64	USH 12, RT	1434		WHITE EDGELINE
0010	300+60	- 375+99	USH 12, LT	7539		WHITE EDGELINE
0010	314+64	- 315+02	USH 12, RT	10		WHITE DASHED EDGELINE
0010	316+02	- 362+11	USH 12, RT	4609		WHITE EDGELINE
0010	362+11	- 362+88	USH 12, RT	19		WHITE DASHED EDGELINE
0010	363+84	- 484+74	USH 12, RT	12090		WHITE EDGELINE
0010	366+60	- 380+30	USH 12, CL		1713	YELLOW LINE/DASHED CENTERLINE
0010	377+40	- 378+33	USH 12, LT	23		WHITE DASHED EDGELINE
0010	378+33	- 484+74	USH 12, LT	10641		WHITE EDGELINE
0010	380+30	- 387+70	USH 12, CL		185	YELLOW DASHED CENTERLINE
0010	387+70	- 401+40	USH 12, CL		1713	YELLOW DASHED/LINE CENTERLINE
0010	401+40	- 406+15	USH 12, CL		950	YELLOW DOUBLE CENTERLINE
0010	406+15	- 413+23	USH 12, CL		2833	YELLOW DOUBLE CENTERLINE x2
0010	413+23	- 484+74	USH 12, LT	7151		YELLOW EDGELINE (WB INSIDE EDGE)
0010	413+23	- 484+74	USH 12, RT		1787	WHITE DASHED CENTERLINE (EB LANES)
0010	413+23	- 484+74	USH 12, RT	7151		YELLOW EDGELINE (EB INSIDE EDGE)
0010	419+90	- 484+74	USH 12, LT		1620	WHITE DASHED CENTERLINE (WB LANES)
0010	484+74	- 525+56	EB USH 12, RT	4082		WHITE EDGELINE
0010	484+74	- 531+85	EB USH 12, CL		1177	WHITE DASHED CENTERLINE
0010	484+74	- 531+85	EB USH 12, LT	4711		YELLOW EDGELINE
0010	526+06	- 531+85	EB USH 12, RT	579		WHITE EDGELINE
0010	484+74A	- 532+37A	WB USH 12, LT	4763		WHITE EDGELINE
0010	484+74A	- 532+37A	WB USH 12, CL		1190	WHITE DASHED CENTERLINE
0010	484+74A	- 532+37A	WB USH 12, RT	4763		YELLOW EDGELINE
TOTAL 0010				70033	27035	

PAVEMENT MARKING EPOXY 8-INCH

			646.0126		
			LF		
CATEGORY	STATION TO	STATION	LOCATION	REMARKS	
0010	300+29.82	- 302+26.26	USH 12, LT	196	WHITE CHANNELIZING 8 INCH
TOTAL 0010				196	

PAVEMENT MARKING STOP LINE EPOXY 18-INCH

			647.0566		
			LF		
CATEGORY	STATION	LOCATION	REMARKS		
0010	300+00	EAST SIDE USH 12 & STH 159	14	WHITE STOP LINE	
0010	532+75	WEST SIDE USH 12 & KINGS CORNER ROAD	14	WHITE STOP LINE	
0010	532+75A	EAST SIDE USH 12 & KINGS CORNER ROAD	14	WHITE STOP LINE	
TOTAL 0010				42	

3

PERMANENT SIGNING SUMMARY

							637.0202	638.2602	638.3000	634.0612	634.0614	634.0616	634.0618		
							SIGNS	REMOVING	REMOVING	POSTS	POSTS	POSTS	POSTS		
							REFLECTIVE	SIGNS	SMALL	4X6-INCH	4X6-INCH	4X6-INCH	4X6-INCH		
CATEGORY	STATION	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER	TYPE II	TYPE II	SUPPORTS	X 12-FT	X 14-FT	X 16-FT	X 18-FT	NOTES	
						LINES	SF	EACH	EACH	EACH	EACH	EACH	EACH		
0010	1	302+00	USH 12 Right	W8-70	36" x 36"	Centerline Rumble Strips	9.00						1	New Sign	
0010	2	302+00	USH 12 Right	W57-51	30" x 15"	Next _ Miles	3.12							New Sign	
0010	3	302+80	USH 12 Right	I55-56	30" x 36"	Adopt a Highway [Sponsor]		1	1					Remove Sign	
0010	4	303+00	USH 12 Right	I55-56	30" x 36"	Adopt a Highway [Sponsor]						1		New Sign	
						St. Claire Hospital	7.50								
						St. Claire Meadows									
0010	5	306+00	USH 12 Right	R2-1	24" x 30"	Speed Limit (55)	5.00				1			New Sign	
0010	6	308+00	USH 12 Right	D1-1	102" x 15"	One Destination (Arrow)	10.62				1		1	New Sign	
0010	7	310+20	USH 12 Left	W1-2L	30" x 30"	Left Curve		1						Remove Sign	
0010	8	310+20	USH 12 Left	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45	1	1					Remove Sign	
						Left Curve									
0010	9	310+20	USH 12 Right	W1-2L	30" x 30"	Advisory Speed Plate (Yellow Back)		1						Remove Sign	
0010	10	310+20	USH 12 Right	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45	1	1					Remove Sign	
						Left Curve	6.25						1	New Sign	
0010	11	313+40	USH 12 Right	W1-2L	30" x 30"	Advisory Speed Plate (Yellow Back)	45							New Sign	
0010	12	313+40	USH 12 Right	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)									
						Left Curve	6.25						1	New Sign	
0010	13	313+40	USH 12 Left	W1-2L	30" x 30"	Advisory Speed Plate (Yellow Back)	45							New Sign	
0010	14	313+40	USH 12 Left	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)								New Sign	
						Left Curve		1	1					Remove Sign	
0010	15	314+80	USH 12 Left	W1-2L	30" x 30"	Left Curve								New Sign	
0010	16	318+60	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	17	318+60	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	18	319+80	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	19	320+00	USH 12 Right	W1-6	48" x 24"	Night Arrow (Single)	6.00	1	1					Change to High Relfective Sign	
0010	20	320+00	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	21	321+20	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	22	321+20	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	23	322+00	USH 12 Left	M1-94	72" x 15"	Crossroad Name		1	2					Remove Sign	
0010	24	322+00	USH 12 Left	D1-1	102" x 15"	One Destination (Arrow)	10.62				1		1	Change to High Relfective Sign	
0010	25	322+40	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	26	322+40	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	27	323+60	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	28	323+60	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	29	324+50	USH 12 Right	W1-6	48" x 24"	Night Arrow (Single)	6.00	1	1					Change to High Relfective Sign	
0010	30	324+50	USH 12 Right	W1-6	48" x 24"	Night Arrow (Single)	6.00	1	1					Change to High Relfective Sign	
0010	31	324+80	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	32	324+80	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	33	326+00	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	34	326+00	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	35	327+20	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	36	327+20	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	37	327+80	USH 12 Right	W1-6	48" x 24"	Night Arrow (Single)	6.00	1	1					Change to High Relfective Sign	
0010	38	328+40	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	39	328+40	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	40	330+00	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	41	330+00	USH 12 Right	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	42	330+20	USH 12 Left	S3-1	36" x 36"	School Bus Stop Ahead	9.00	1	1				1	Change to Size 3	
0010	43	334+00	USH 12 Right	W1-2R	30" x 30"	Right Curve	6.25						1	New Sign	
0010	44	334+00	USH 12 Right	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45							New Sign	
						Right Curve	6.25						1	New Sign	
0010	45	334+00	USH 12 Left	W1-2R	30" x 30"	Advisory Speed Plate (Yellow Back)								New Sign	
0010	46	334+00	USH 12 Left	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45							New Sign	
						Right Curve		1	1					Remove Sign	
0010	47	335+40	USH 12 Right	W1-2R	30" x 30"	Advisory Speed Plate (Yellow Back)		1						Remove Sign	
0010	48	335+40	USH 12 Right	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45	1						Remove Sign	
						Right Curve									
0010	49	335+40	USH 12 Left	W1-2R	30" x 30"	Advisory Speed Plate (Yellow Back)		1	1					Remove Sign	
0010	50	335+40	USH 12 Left	W13-1	18" x 18"	Advisory Speed Plate (Yellow Back)	45	1						Remove Sign	
						Chevron	3.00							New Sign	
0010	51	343+00	USH 12 Left	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	52	343+00	USH 12 Left	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	53	344+60	USH 12 Left	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	54	344+60	USH 12 Left	W1-8	18" x 24"	Chevron	3.00				1			New Sign	
0010	55	346+20	USH 12 Left	W1-8	18" x 24"	Chevron	3.00				1			New Sign	

3

3

PERMANENT SIGNING SUMMARY (CONT'D)														
CATEGORY	STATION	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES	637.0202	638.2602	638.3000	634.0612	634.0614	634.0616	634.0618	NOTES
							REFLECTIVE TYPE II SF	REMOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH	POSTS WOOD 4X6-INCH X 12-FT EACH	POSTS WOOD 4X6-INCH X 14-FT EACH	POSTS WOOD 4X6-INCH X 16-FT EACH	POSTS WOOD 4X6-INCH X 18-FT EACH	
0010	56	346+20	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	57	347+80	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	58	347+80	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	59	349+40	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	60	349+40	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	61	351+00	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	62	351+00	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	63	354+00	USH 12 Left	W1-2L	30" x 30"		6.25					1		New Sign
0010	64	356+00	USH 12 Right	D1-1	78" x 15"		8.12			1		1		New Sign
0010	65	356+50	USH 12 Left	D7-52	60" x 42"		17.50					2		New Sign
0010	66	357+50	USH 12 Left	W1-2L	30" x 30"			1	1					Remove Sign
0010	67	357+50	USH 12 Right	W1-2L	30" x 30"			1						Remove Sign
0010	68	357+50	USH 12 Right	M1-94	68" x 15"			1	2					Remove Sign
0010	69	365+40	USH 12 Left	D7-52	60" x 30"			1	2					Remove Sign
0010	70	368+00	USH 12 Right	D1-1	72" x 15"						2			New Sign
0010	71	369+00	USH 12 Left	M1-94	66" x 15"			1	2					Remove Sign
0010	72	369+20	USH 12 Right	M1-94	60" x 15"			1	2					Remove Sign
0010	73	370+00	USH 12 Left	D1-1	78" x 15"						1			New Sign
0010	74	370+50	USH 12 Left	W2-2	30" x 30"			1	1					Remove Sign
0010	75	372+00	USH 12 Left	W2-2	30" x 30"		6.25					1		New Sign
0010	76	375+30	Ski Hi Rd Right	R1-1	30" x 30"		9.00	1	1			1		Change to Size 3
0010	77	379+00	USH 12 Left	I55-56	30" x 36"		7.50	1	1			1		Change to High Relfective Sign
0010	78	380+20	USH 12 Right	W14-3	48" x 36"		6.00	1	1			1		Change to High Relfective Sign; Place after No Passing Zones Located
0010	79	382+50	USH 12 Left	M1-94	56" x 15"			1	2					Remove Sign
0010	80	383+50	USH 12 Left	D1-1	72" x 15"		7.50				2			New Sign
0010	81	387+80	USH 12 Left	W14-3	48" x 36"		6.00	1	1			1		Change to High Relfective Sign; Place after No Passing Zones Located
0010	82	408+50	USH 12 Left	W8-70	36" x 36"		9.00						1	New Sign
0010	83	408+50	USH 12 Left	W57-51	30" x 15"	2	3.12							New Sign
0010	84	411+50	USH 12 Right	W14-3	48" x 36"		6.00	1	1			1		Change to High Relfective Sign
0010	85	413+40	EB Median	R4-7	36" x 48"		12.00	1	1	1				Change to High Reflective Sign
0010	86	413+40	EB Median	W5-54	18" x 18"		2.25							New Sign
0010	87	417+40	WB Left	R5-1A	42" x 30"		8.75					1		New Sign
0010	88	417+50	WB Left	W6-2	36" x 36"		9.00					1		New Sign
0010	89	418+10	WB Left	R5-1A	36" x 24"			1						Remove Sign
0010	90	418+10	WB Left	W4-2R	36" x 36"			1	1					Remove Sign
0010	91	418+10	EB Median	W4-2R	36" x 36"			1						Remove Sign
0010	92	423+00	WB Left	W4-2R	36" x 36"		9.00					1		New Sign
0010	93	423+00	EB Median	W4-2R	36" x 36"		9.00					1		New Sign
0010	94	423+25	WB Left	W9-1R	36" x 36"			1	1					Remove Sign
0010	95	423+25	EB Median	W9-1R	36" x 36"			1	1					Remove Sign
0010	96	427+20	WB Left	W9-1R	36" x 36"		9.00					1		New Sign
0010	97	427+20	EB Median	W9-1R	36" x 36"		9.00					1		New Sign
0010	98	428+30	WB Left	W6-2	36" x 36"			1	1					Remove Sign
0010	99	428+30	EB Median	W6-2	36" x 36"			1	1					Remove Sign
0010	100	438+90	EB Median	W11-3	36" x 36"			1	1					Remove Sign
0010	101	438+90	EB Right	W11-3	36" x 36"			1	1					Remove Sign
0010	102	443+00	EB Median	W11-5	36" x 36"			1						Remove Sign
0010	103	443+00	EB Median	W7-1	36" x 36"		9.00	1	1			1		Change to High Reflective Sign
0010	104	443+00	EB Median	W7-3	24" x 18"	7	3.00							New Sign
0010	105	447+80	WB Left	W11-5	36" x 36"		9.00						1	New Sign
0010	106	451+50	EB Median	W1-2L	36" x 36"			1	1					Remove Sign
0010	107	451+50	EB Right	W1-2L	36" x 36"			1	1					Remove Sign
0010	108	454+50	EB Median	W8-54	36" x 36"			1	1					Remove Sign
0010	109	454+50	EB Median	W8-14	36" x 36"		9.00					1		New Sign
0010	110	454+50	EB Right	W8-54	36" x 36"			1	1					Remove Sign
Page 2 Total							226.86	29	30	1	13	19	2	

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PERMANENT SIGNING SUMMARY (CONT'D)

CATEGORY	STATION	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES	637.0202	638.2602	638.3000	634.0612	634.0614	634.0616	634.0618	NOTES
							REFLECTIVE	REMOVING	REMOVING	POSTS	POSTS	POSTS	POSTS	
							TYPE II SF	TYPE II EACH	SUPPORTS EACH	4X6-INCH X 12-FT EACH	4X6-INCH X 14-FT EACH	4X6-INCH X 16-FT EACH	4X6-INCH X 18-FT EACH	
0010	111	454+50	EB Right	W8-14	36" x 36"		9.00						1	New Sign
0010	112	469+20	WB Left	W1-2R	36" x 36"			1	1					Remove Sign
0010	113	469+20	EB Median	W1-2R	36" x 36"			1						Remove Sign
0010	114	469+20	EB Median	W1-2L	36" x 36"			1	1					Remove Sign
0010	115	469+20	EB Right	W1-2L	36" x 36"			1	1					Remove Sign
0010	116	482+20	EB Median	W1-2R	36" x 36"			1	1					Remove Sign
0010	117	482+20	EB Right	W1-2R	36" x 36"			1	1					Remove Sign
0010	118	486+00A	WB Left	W1-2R	36" x 36"			1	1					Remove Sign
0010	119	486+00A	WB Median	W1-2R	36" x 36"			1	1					Remove Sign
0010	120	500+20	EB Median	R3-4B	36" x 48"		12.00					1		New Sign
0010	121	501+50A	WB Median	R3-4B	36" x 48"		12.00					1		New Sign
0010	122	509+00A	WB Left	W1-2L	36" x 36"			1	1					Remove Sign
0010	123	509+00A	WB Median	W1-2L	36" x 36"			1	1					Remove Sign
0010	124	512+50A	WB Left	W11-5	36" x 36"			1	1					Remove Sign
0010	125	512+50A	WB Median	W11-5	36" x 36"			1	1					Remove Sign
0010	126	518+30	EB Right	D1-1	84" x 21"	Groth Rd ->	12.25				1	1		New Sign
0010	127	519+00	EB Right	M1-94	72" x 21"	Crossroad Name Groth Rd		1	2					Remove Sign
0010	128	523+00	EB Median	R5-1A	36" x 24"	Wrong Way		1	1					Remove Sign
0010	129	523+50	EB Median	R5-1A	42" x 30"	Wrong Way	8.75					1		New Sign
0010	130	525+30	EB Median	R5-1	36" x 36"	Do Not Enter	9.00	1	1			1		Change to Size 3 & High Reflective
0010	131	525+85	EB Median	R6-1R	24" x 30"	One Way RIGHT Arrow	5.00	1	1		1			Change to High Reflective
0010	132	526+00	Groth Rd Right	R1-1	36" x 36"	Stop	9.00					1		Change to High Reflective
0010	133	526+90	EB Right	M1-94		Crossroad Name		1	2					Remove Sign
0010	134	526+90	EB Right	D1-1	132" x 21"	One Destination (Arrow) Kings Corner Rd ->	19.25				1	1		New Sign
0010	135	529+40	EB Median	R5-1A	36" x 24"	Wrong Way		1	1					Remove Sign
0010	136	529+90	EB Median	R5-1A	42" x 30"	Wrong Way	8.75					1		New Sign
0010	137	531+90	EB Median	R5-1	36" x 36"	Do Not Enter	9.00	1	1			1		Change to Size 3 & High Reflective
0010	138	532+00	EB Median	R4-7	36" x 48"	Keep Right	12.00					1		New Sign
0010	139	532+50A	Kings Corner Rd Lt	R1-1	36" x 36"	Stop	9.00	1	1				1	Change to High Reflective
0010	140	532+50A	Kings Corner Rd Lt	R6-3	30" x 24"	Divided Highway Crossing Sign and Intersection	5.00	1						Change to High Reflective
0010	141	532+50A	Kings Corner Rd Lt	R6-1R	36" x 12"	One Way RIGHT Arrow	3.00							New Sign
0010	142	532+50A	Kings Corner Rd Lt	R6-1L	36" x 12"	One Way LEFT Arrow	3.00							New Sign
0010	143	532+90	Kings Corner Rd Rt	R1-1	36" x 36"	Stop	9.00	1	1				1	Change to High Reflective
0010	144	532+90	Kings Corner Rd Rt	R6-3	30" x 24"	Divided Highway Crossing Sign and Intersection	5.00	1						Change to High Reflective
0010	145	532+90	Kings Corner Rd Rt	R6-1R	36" x 12"	One Way RIGHT Arrow	3.00							New Sign
0010	146	532+90	Kings Corner Rd Rt	R6-1L	36" x 12"	One Way LEFT Arrow	3.00							New Sign
0010	147	533+10	EB Right	I55-56	30" x 36"	Adopt a Highway [Sponsor]		1	1			1		Remove Sign
0010	148	533+10	EB Right	I55-56	30" x 36"	Adopt a Highway [Sponsor]	7.50							New Sign
						Sauk Prairie Ambulance Association								
0010	149	533+80A	WB Left	R5-1	30" x 30"	Do Not Enter		1	1					Remove Sign
0010	150	533+90A	WB Median	R4-7	36" x 48"	Keep Right	12.00					1		New Sign
0010	151	534+00A	WB Median	R5-1	36" x 36"	Do Not Enter	9.00					1		New Sign
0010	152	535+75A	WB Median	R5-1A	42" x 30"	Wrong Way	8.75					1		New Sign
0010	153	536+50A	WB Left	R5-1A	36" x 24"	Wrong Way		1	1					New Sign
0010	154	540+00A	WB Median	M1-94		Crossroad Name		1	2					Remove Sign
0010	155	541+50A	WB Median	D1-1	132" x 21"	One Destination (Arrow) <- Kings Corner Rd	19.25				1	1	1	New Sign
0010	156	551+00	EB Median	R3-55L	24" x 30"	Left Turn Lane		1	1					Remove Sign
0010	157	551+00	EB Median	R5-1A	36" x 24"	Wrong Way		1						Remove Sign
0010	158	551+50	EB Median	R5-1A	42" x 36"	Wrong Way	8.75					1		New Sign
0010	159	553+60	EB Median	R5-1	36" x 36"	Do Not Enter	9.00	1	1			1		Change to Size 3 & High Reflective
0010	160	553+80	EB Median	R4-7	36" x 48"	Keep Right	12.00	1	1			1		Change to High Reflective
0010	161	554+40	North Road Rt	R1-1	36" x 36"	Stop	9.00	1	1				1	Change to High Reflective
0010	162	554+40	North Road Rt	R6-3	30" x 24"	Divided Highway Crossing Sign and Intersection	5.00	1						Change to High Reflective
0010	163	554+40	North Road Rt	R6-1R	36" x 12"	One Way RIGHT Arrow	3.00							New Sign
0010	164	554+40	North Road Rt	R6-1L	36" x 12"	One Way LEFT Arrow	3.00							New Sign
0010	165	554+75A	WB Left	R1-1	36" x 36"	Stop	9.00	1	1				1	Change to High Reflective
Page 3 Total							281.25	34	32	0	4	18	6	

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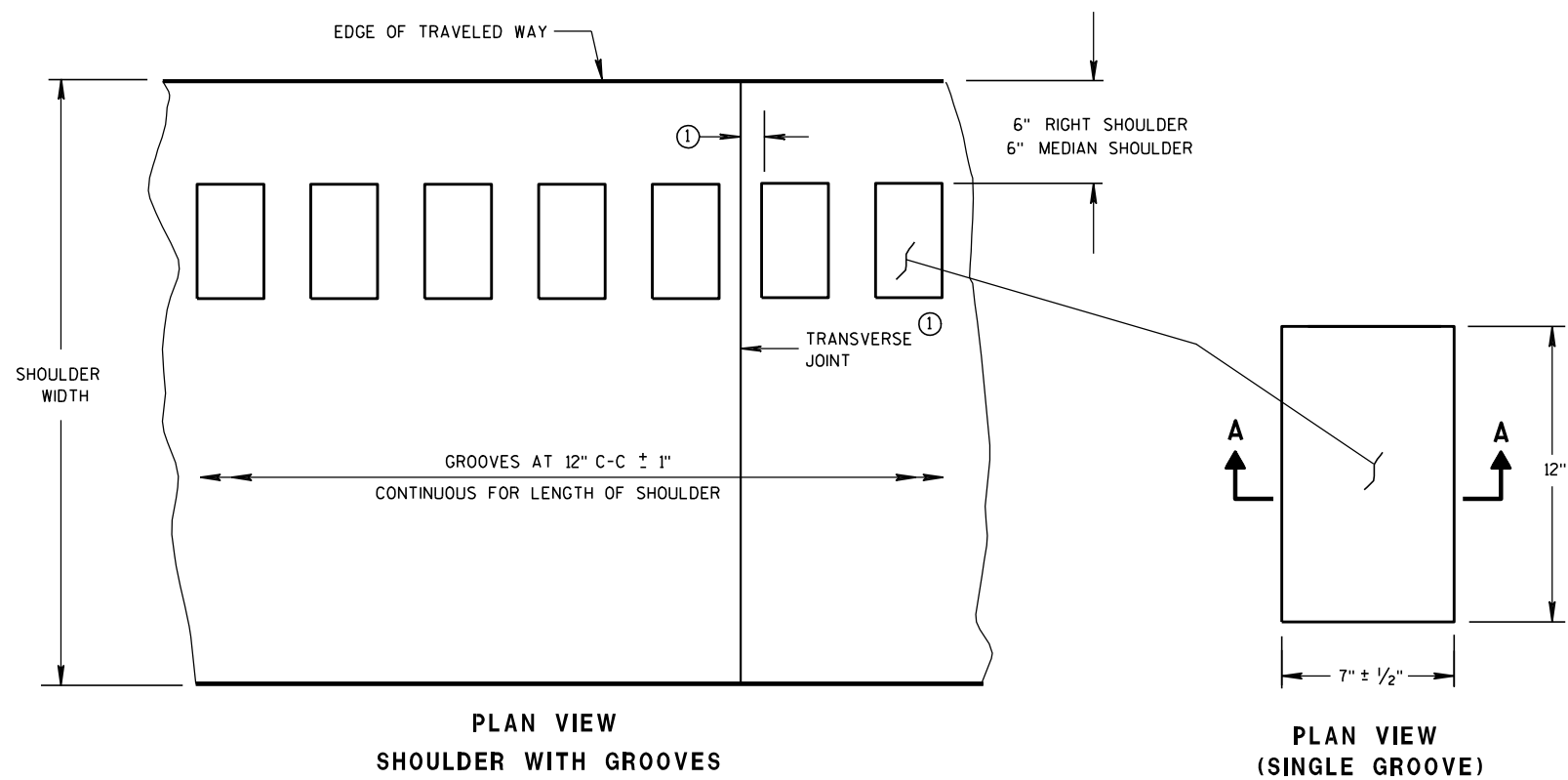
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PERMANENT SIGNING SUMMARY (CONT'D)														
CATEGORY	STATION	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES	637.0202	638.2602	638.3000	634.0612	634.0614	634.0616	634.0618	NOTES
							REFLECTIVE TYPE II SF	REMOVING TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH	POSTS WOOD 4X6-INCH X 12-FT EACH	POSTS WOOD 4X6-INCH X 14-FT EACH	POSTS WOOD 4X6-INCH X 16-FT EACH	POSTS WOOD 4X6-INCH X 18-FT EACH	
0010	166	554+75A	WB Left	R6-3	30" x 24"		5.00	1						Change to High Reflective
0010	167	554+75A	WB Left	R6-1R	36" x 12"									New Sign
0010	168	554+75A	WB Left	R6-1L	36" x 12"									New Sign
0010	169	555+20	EB Right	D7-52	72" x 42"								2	New Sign
0010	170	555+20A	WB Median	R4-7	36" x 48"		12.00	1	1			1		Change to Size 3 & High Reflective
0010	171	555+30A	WB Left	R5-1	30" x 30"			1	1					Remove Sign
0010	172	555+40A	WB Median	R5-1	36" x 36"		9.00					1		New Sign
0010	173	557+30A	WB Median	R5-1A	42" x 30"		8.75					1		New Sign
0010	174	558+00A	WB Left	R5-1A	36" x 24"			1	1					Remove Sign
0010	175	558+40	EB Median	R3-55L	24" x 30"			1	1					Remove Sign
0010	176	558+40	EB Median	R5-1A	36" x 24"			1						Remove Sign
0010	177	558+85	EB Right	D7-52	72" x 42"			1	2					Remove Sign
0010	178	560+00	EB Median	R5-1A	42" x 30"		8.75					1		New Sign
0010	179	562+00	EB Median	R5-1	30" x 30"			1	1					Remove Sign
0010	180	562+20	EB Median	R5-1	36" x 36"		9.00					1		New Sign
0010	181	562+40	EB Median	R4-7	36" x 48"		12.00					1		New Sign
0010	182	563+05A	WB Left	R1-1	36" x 36"		9.00	1	1				1	Change to High Reflective
0010	183	563+05A	WB Left	R6-3	30" x 24"		5.00	1						Change to High Reflective
0010	184	563+05A	WB Left	R6-1R	36" x 12"		3.00							New Sign
0010	185	563+05A	WB Left	R6-1L	36" x 12"		3.00							New Sign
0010	186	563+10	East Road Rt	R1-1	36" x 36"		9.00	1	1				1	Change to High Reflective
0010	187	563+10	East Road Rt	R6-3	30" x 24"		5.00	1						Change to High Reflective
0010	188	563+10	East Road Rt	R6-1R	36" x 12"		3.00							New Sign
0010	189	563+10	East Road Rt	R6-1L	36" x 12"		3.00							New Sign
0010	190	563+90A	WB Median	R4-7	36" x 48"		12.00					1		New Sign
0010	191	564+10A	WB Median	R5-1	36" x 36"		9.00					1		New Sign
0010	192	564+40A	WB Left	R5-1	30" x 30"			1	1					Remove Sign
0010	193	565+30A	WB Median	R5-1A	42" x 30"		8.75					1		New Sign
0010	194	567+10A	WB Left	R5-1A	36" x 24"			1	1					Remove Sign
Page 4 Total							161.25	14	11	0	0	9	4	
TOTAL 0010							857.22	93	86	1	45	54	13	

3

Standard Detail Drawing List

13A05-04A	SHOULDER RUMBLE STRIP, MILLING
13A05-04B	SHOULDER RUMBLE STRIP, MILLING
13A11-01A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-01B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
15A04-02	FLEXIBLE DELINEATOR POST
15C04-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15B	PAVEMENT MARKING (INTERSECTIONS)
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
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
15D20-01	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-01	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-01	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-01	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY



6" RIGHT SHOULDER
6" MEDIAN SHOULDER

TRANSVERSE JOINT

PLAN VIEW
(SINGLE GROOVE)

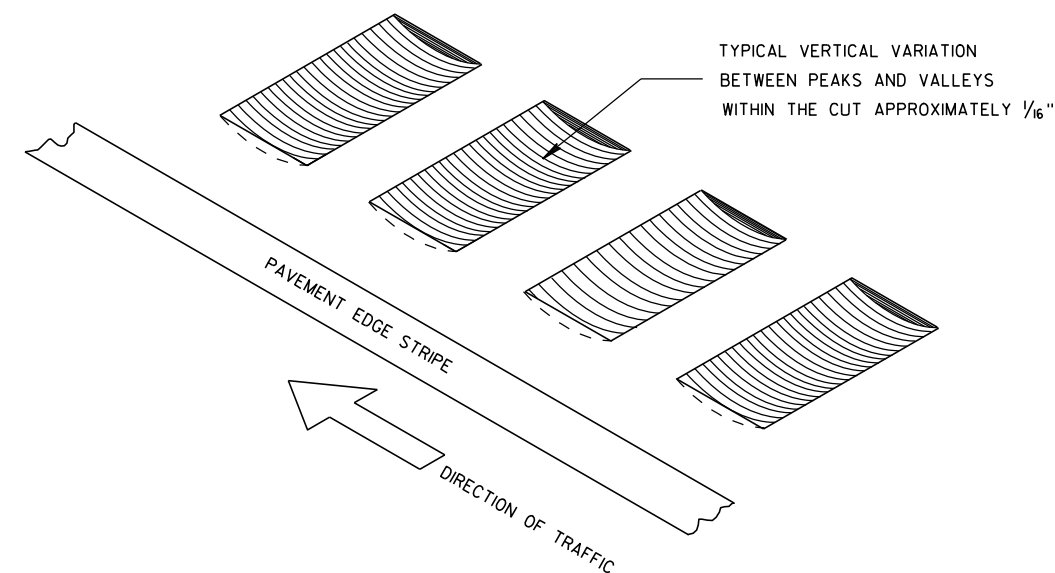
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

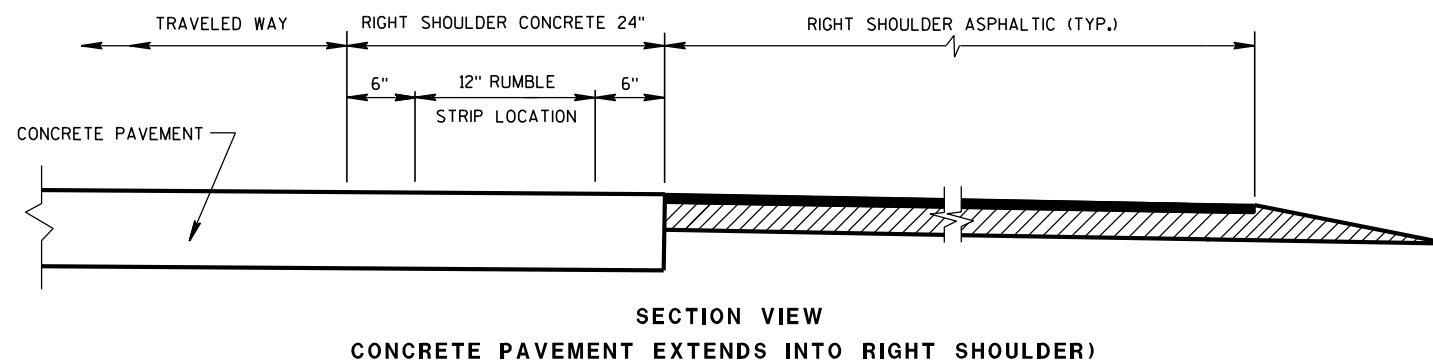
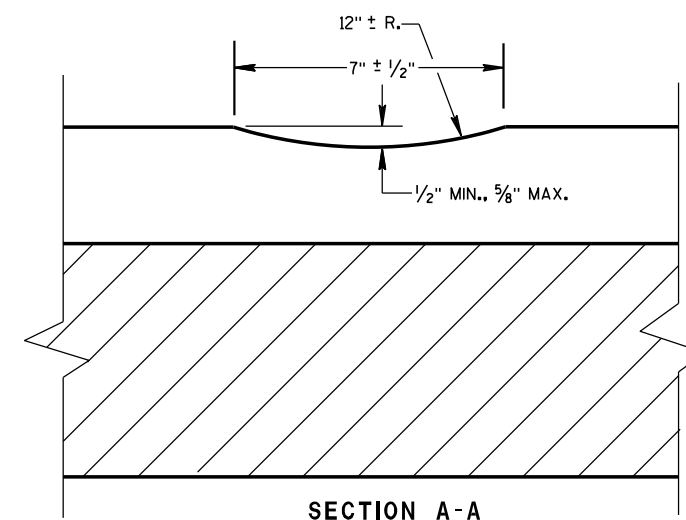
RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES OR TURN LANE TAPERS. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

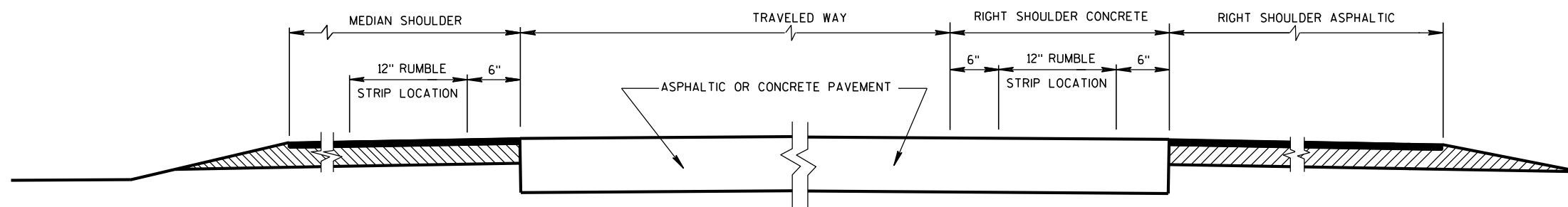
① CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



ISOMETRIC



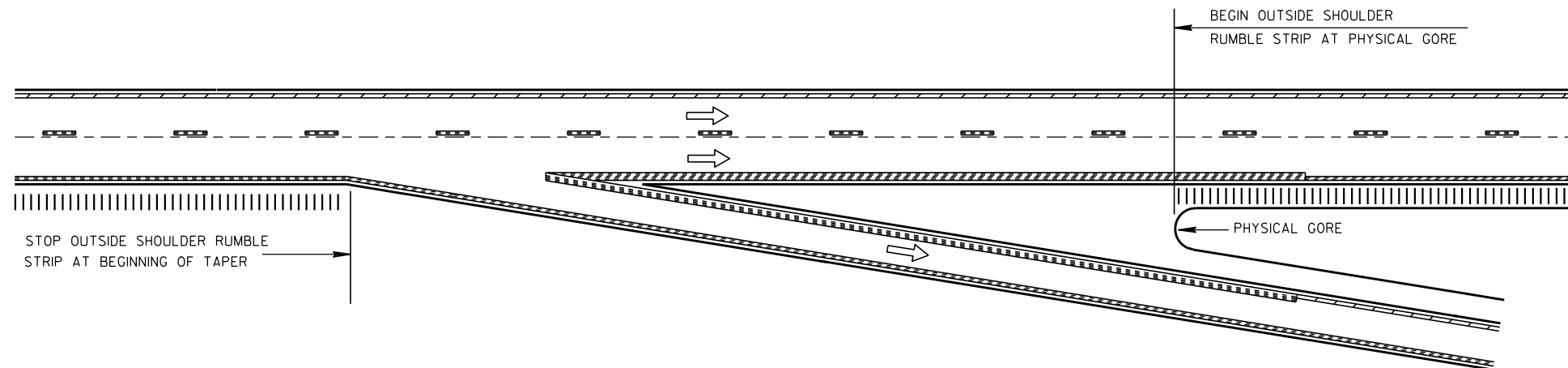
SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION VIEW
TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS
IN RURAL DIVIDED HIGHWAYS
(ONE ROADWAY IS SHOWN)

SHOULDER RUMBLE STRIP,
MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

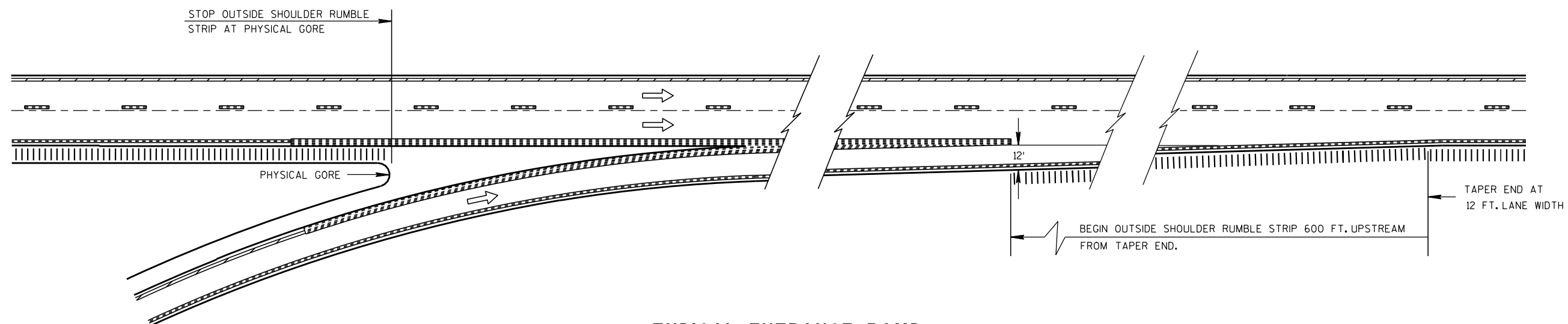


TYPICAL EXIT RAMP

NOTE:
ARROW SYMBOL (→)
SHOWS DIRECTION OF TRAVEL

NOTES:

NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AS SHOWN.
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

TYPICAL ENTRANCE RAMP
RAMP AND GORE RUMBLE STRIP LOCATIONSSHOULDER RUMBLE STRIP,
MILLINGSTATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

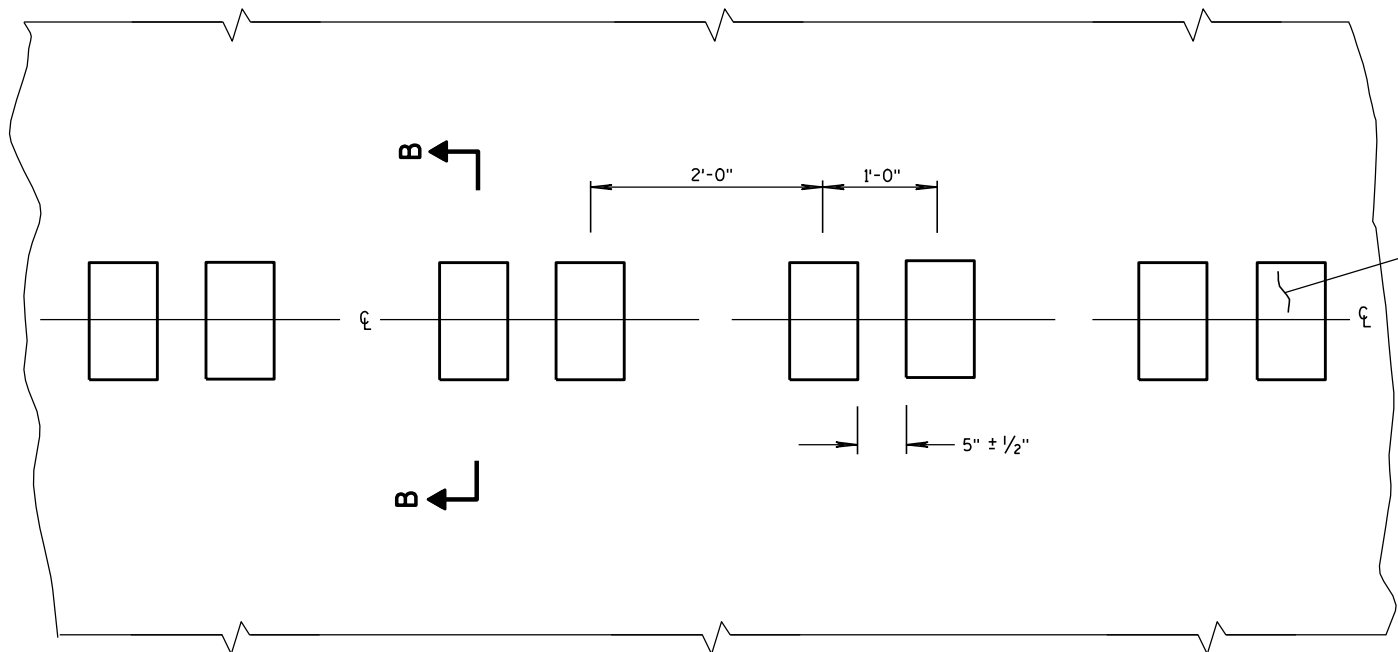
8/17/2011

DATE

FHWA

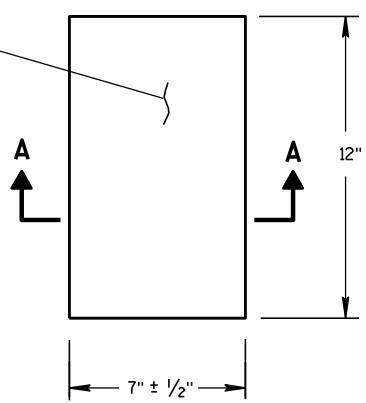
/S/ Jerry H. Zogg

ROADWAY STANDARDS DEVELOPMENT
ENGINEER



PLAN VIEW
CENTER LINE WITH GROOVES

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP



PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

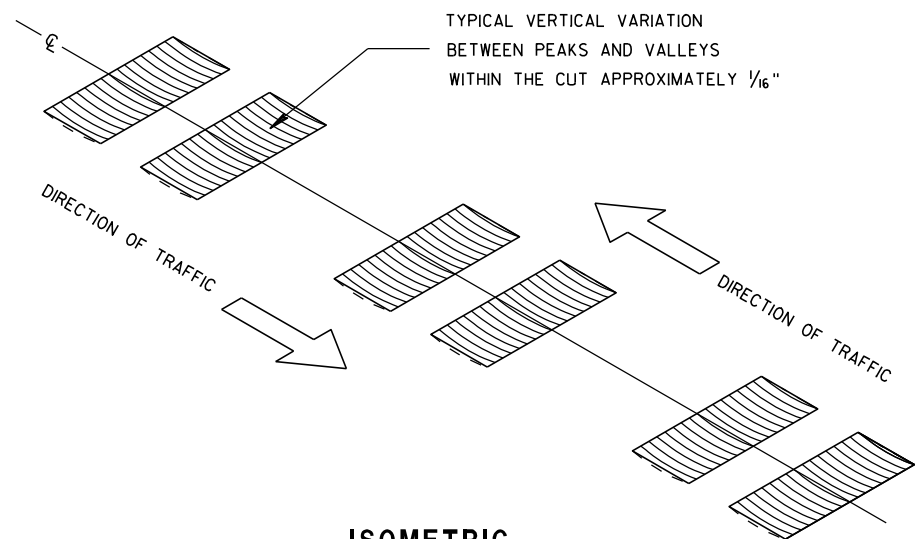
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTER LINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

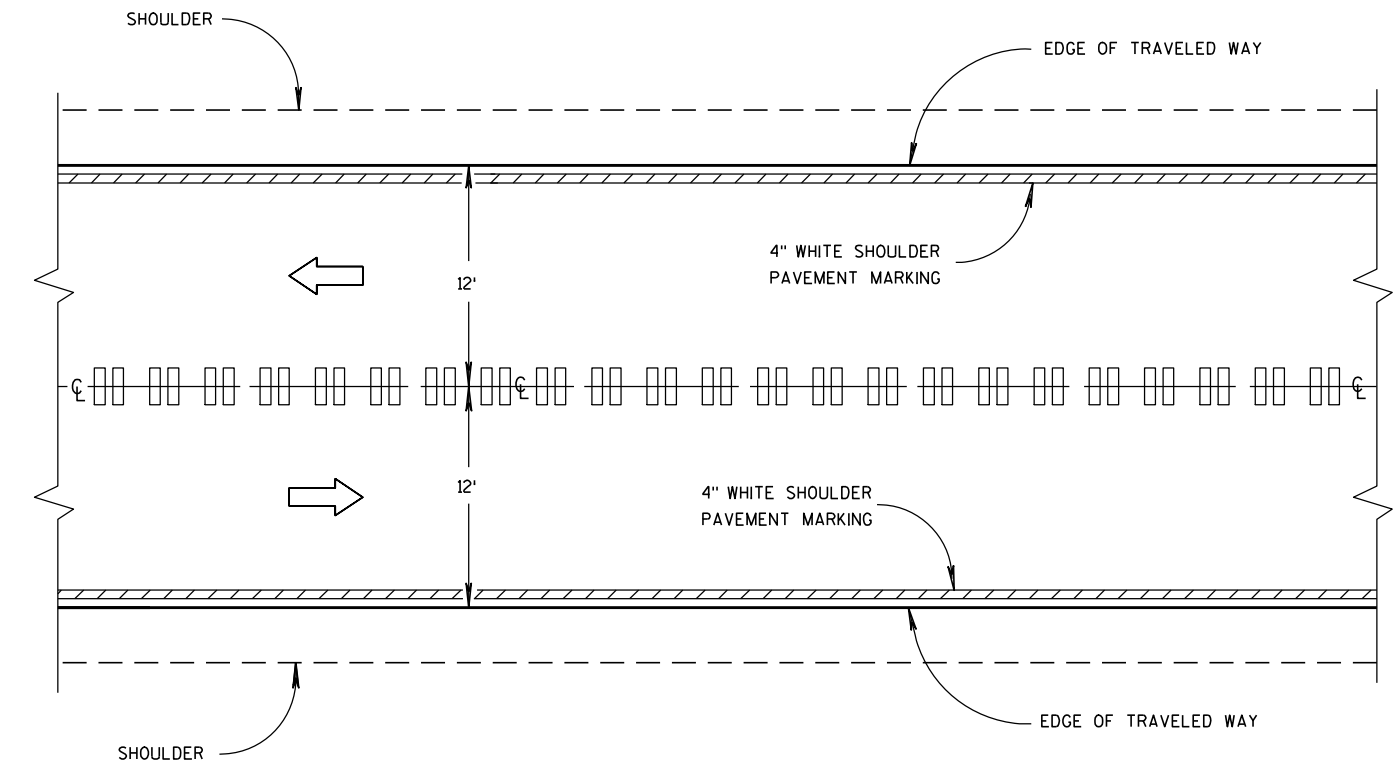
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

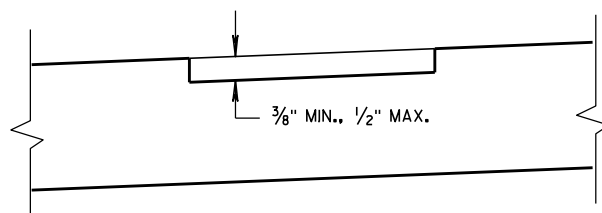
- ① CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



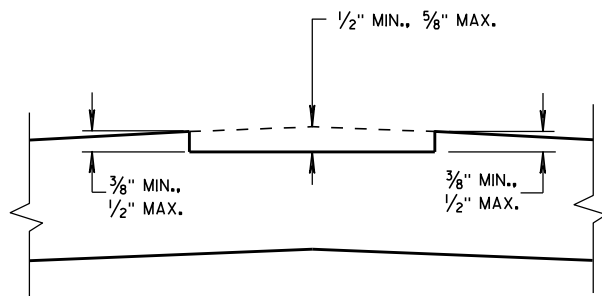
ISOMETRIC



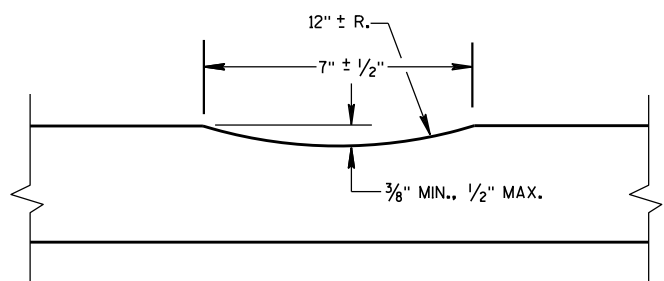
CENTER LINE GROOVES ON TWO-WAY ROADWAYS



SECTION B-B
SUPERELEVATED ROADWAY



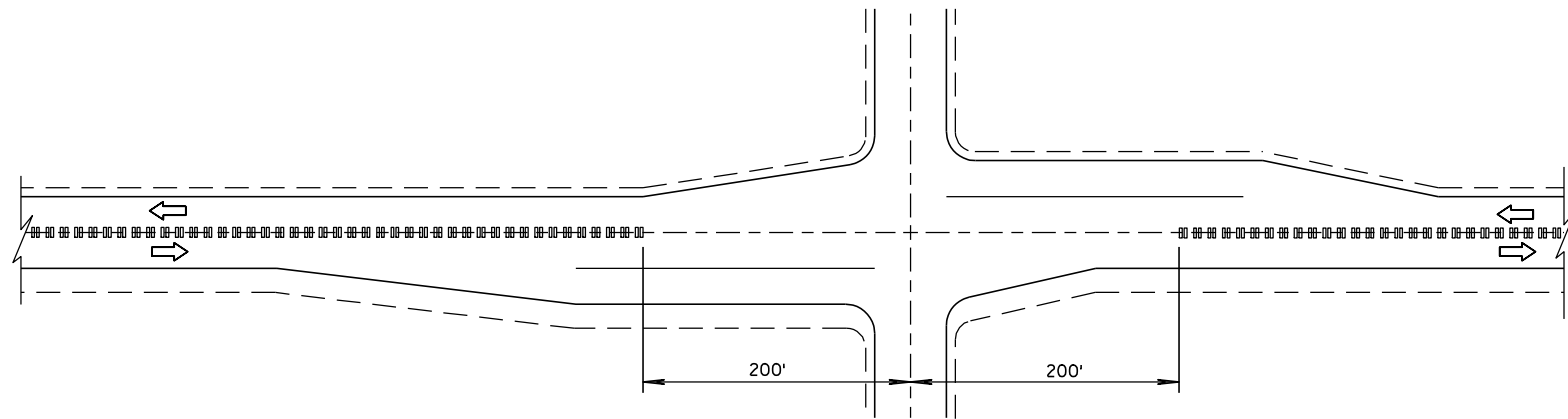
SECTION B-B
CROWNED ROADWAY



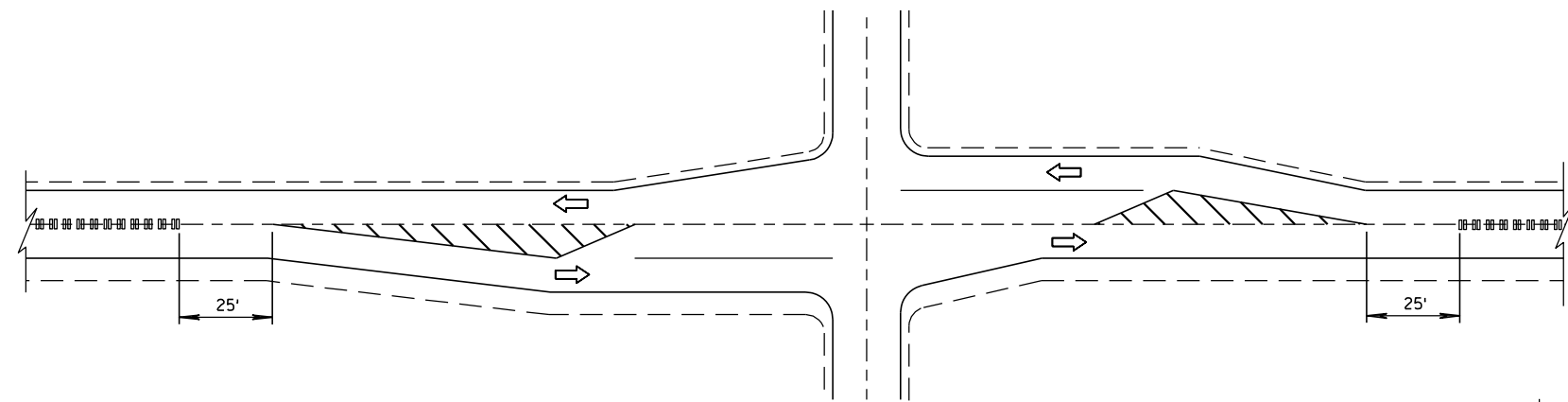
SECTION A-A

2-LANE RURAL
CENTER LINE RUMBLE STRIP,
MILLING

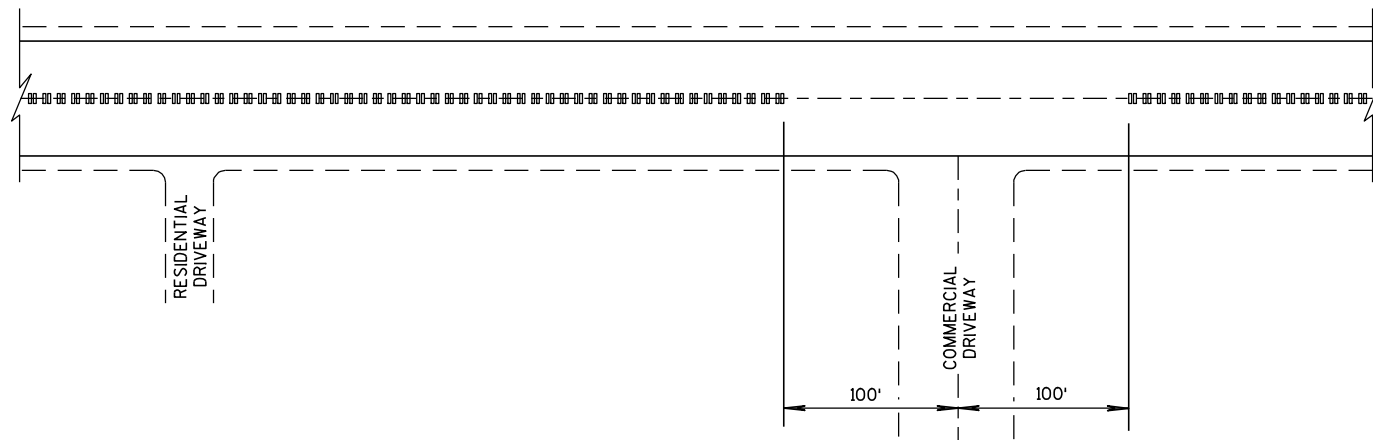
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CENTER LINE GROOVES AT INTERSECTIONS

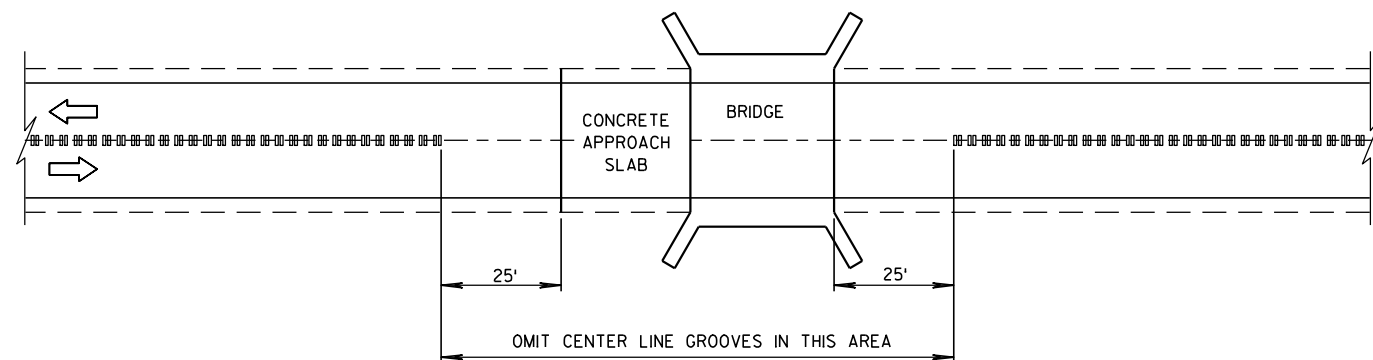


CENTER LINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)

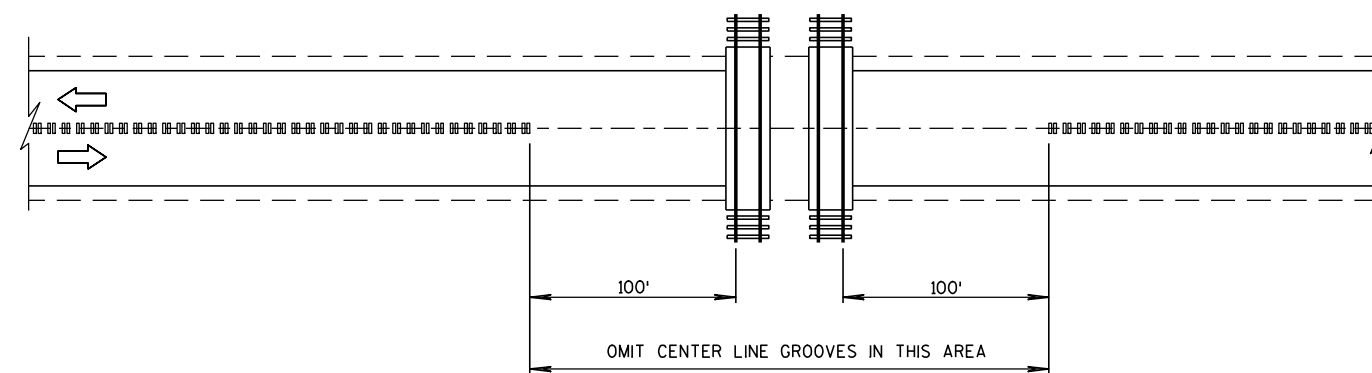


CENTER LINE GROOVES AT DRIVEWAYS ¹

¹ CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.

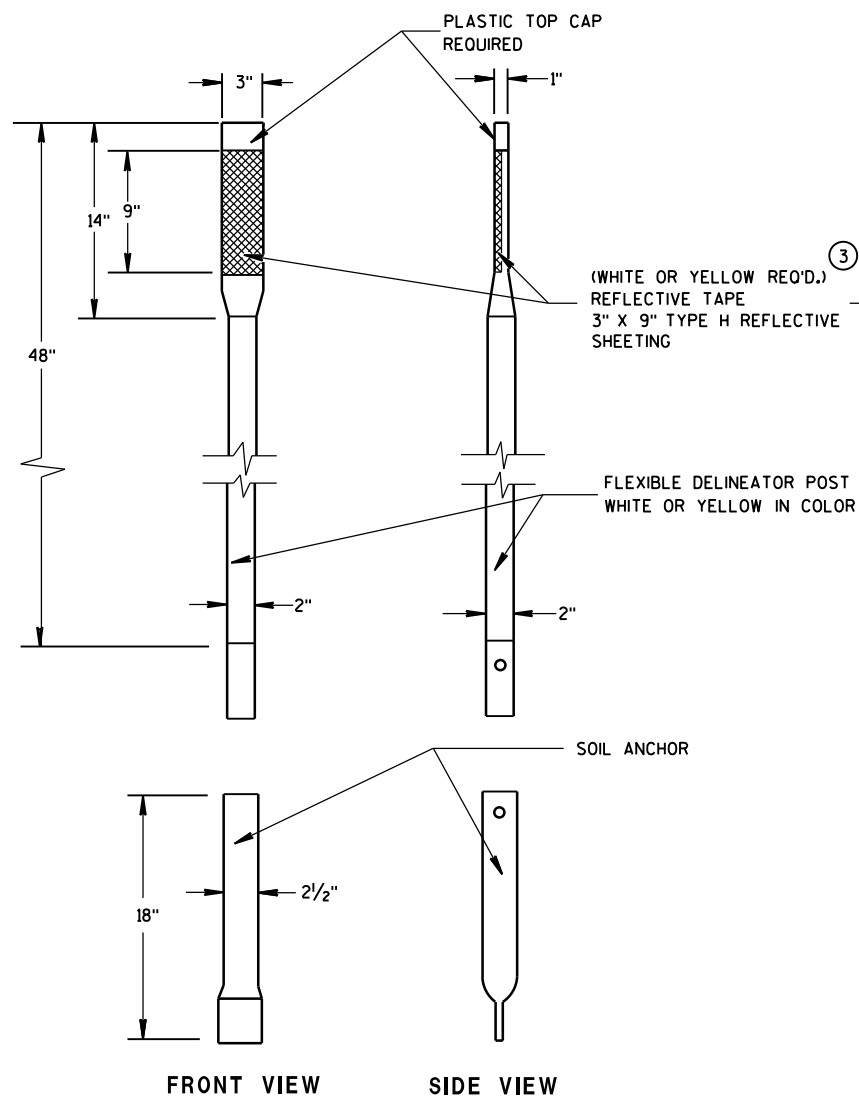


CENTER LINE GROOVES AT BRIDGES

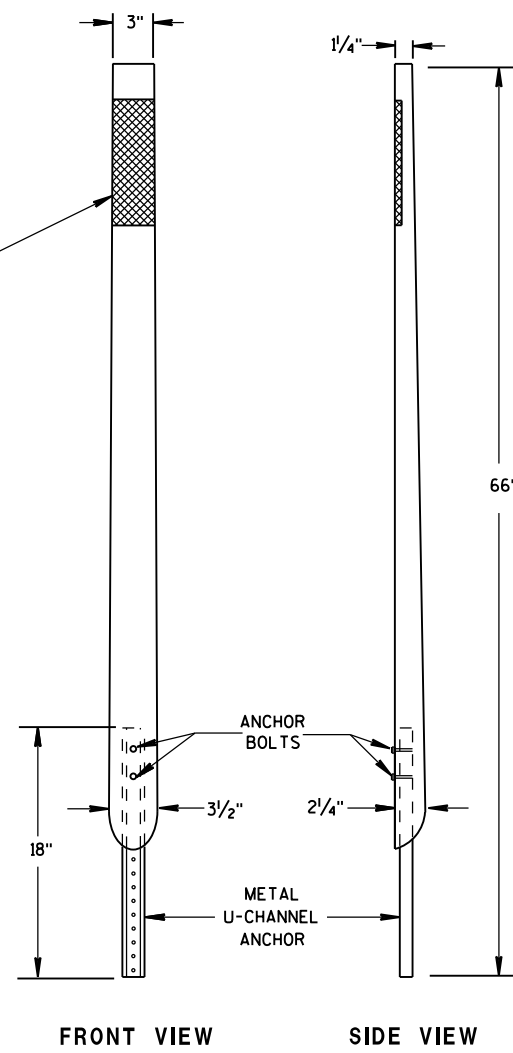


CENTER LINE GROOVES AT RAILROADS

2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/28/2012 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA	

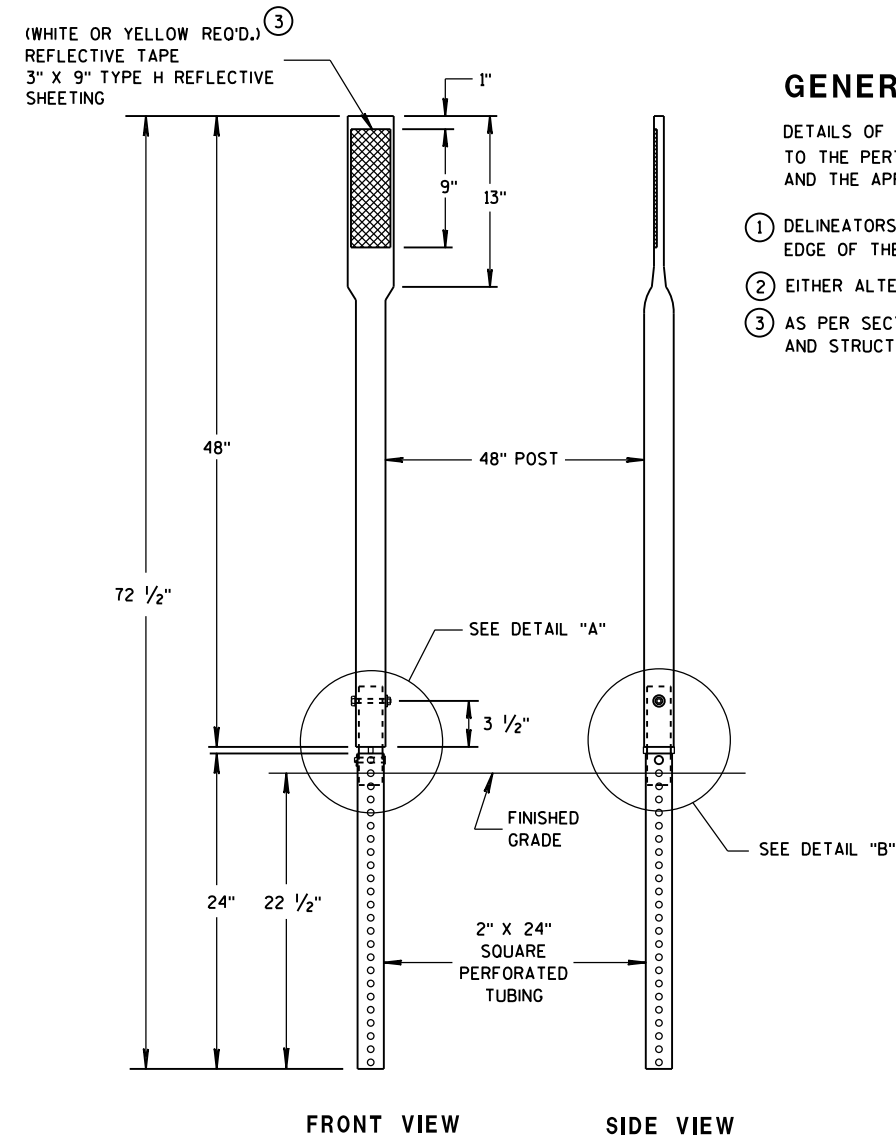


ALTERNATE 1



ALTERNATE 2

FLEXIBLE DELINEATOR POSTS

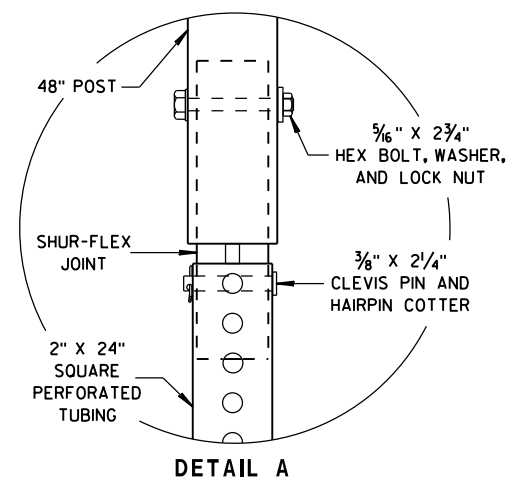


ALTERNATE 3

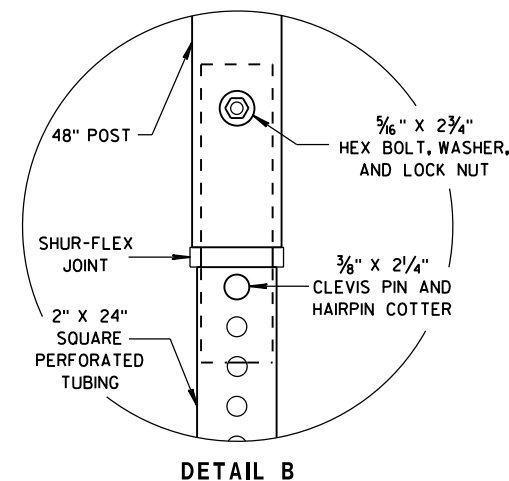
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARTD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

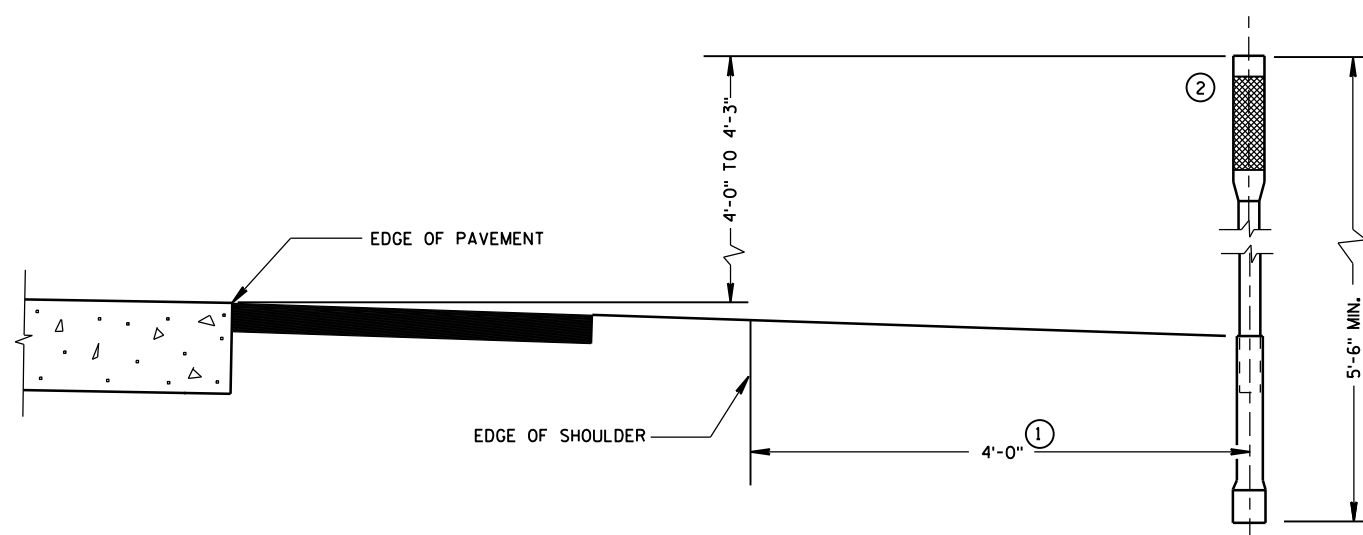
- ① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.
- ② EITHER ALTERNATE NO.1, NO.2 OR NO.3 MAY BE FURNISHED.
- ③ AS PER SECTION 637.2.2.2. OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.



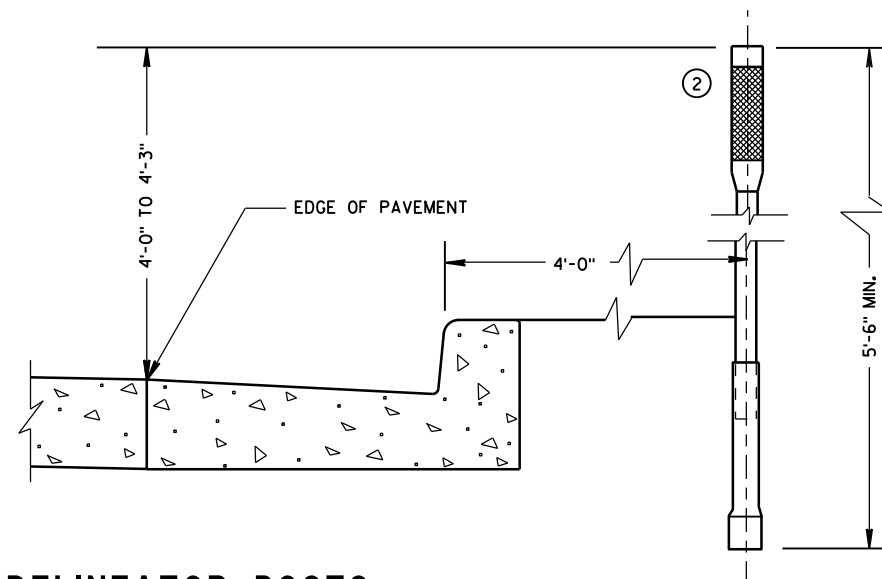
DETAIL A



DETAIL B



TYPICAL INSTALLATIONS OF FLEXIBLE DELINEATOR POSTS

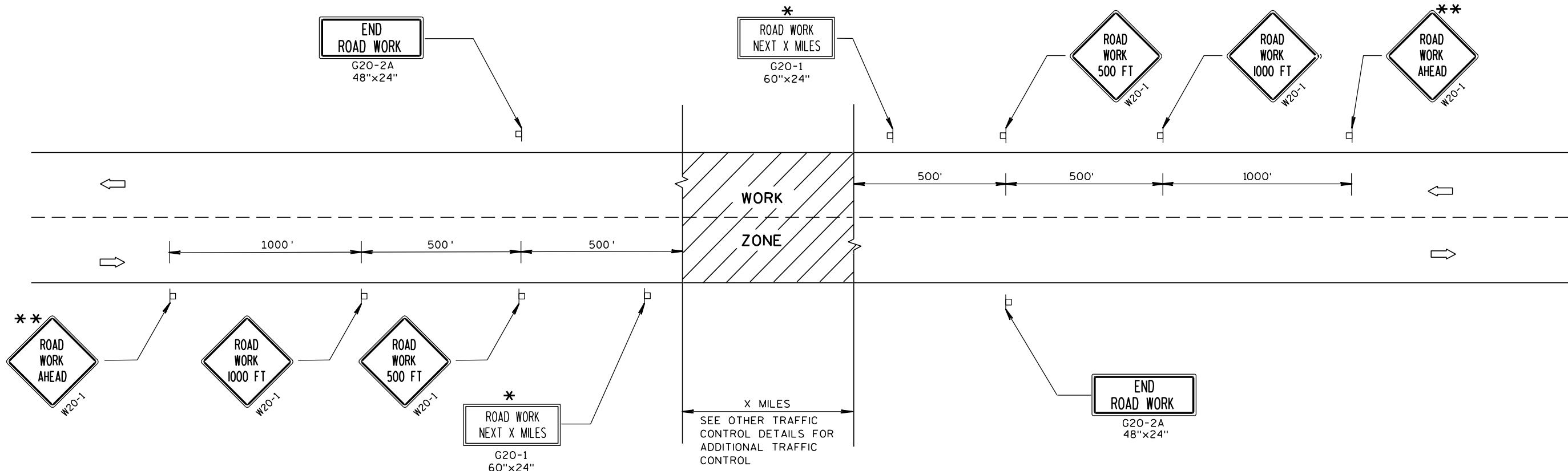


FLEXIBLE DELINEATOR POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-26-2012
DATE
FHWA

/S/ Travis Feltes
STATE TRAFFIC ENGINEER OF DESIGN



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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

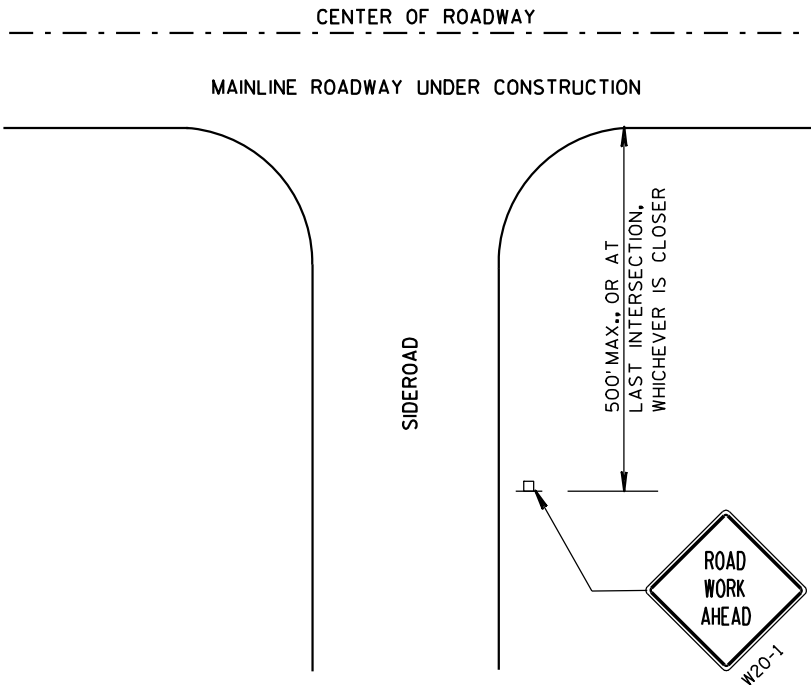
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

- * OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.
- ** PLACE ADDITIONAL W20-1 "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA OR SIGNING.



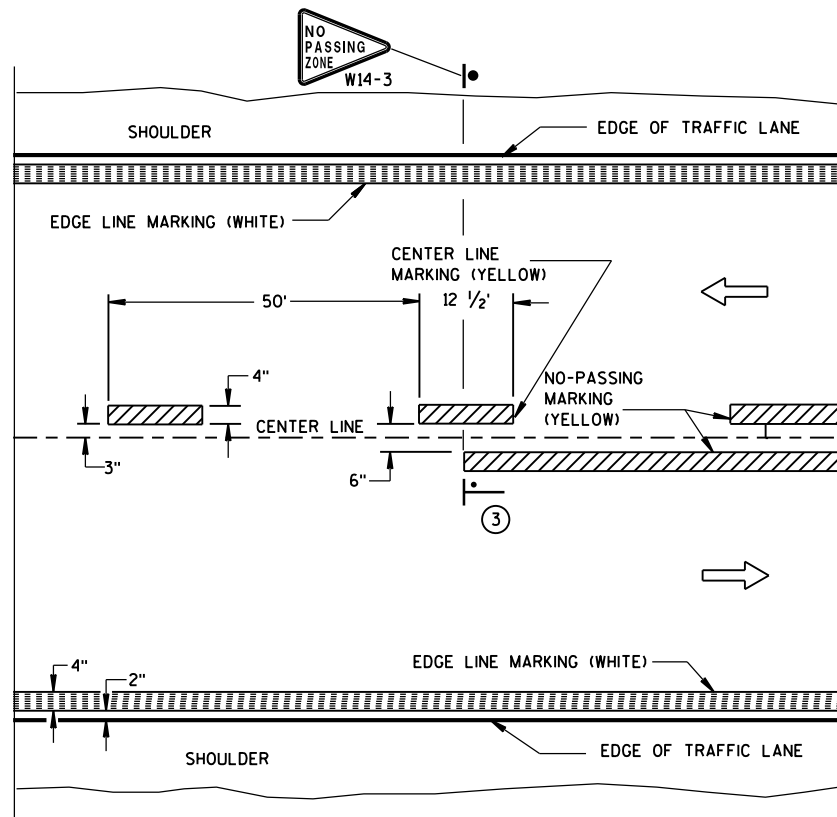
LEGEND

- ▮ POST MOUNTED SIGN
- ➡ DIRECTION OF TRAFFIC FLOW

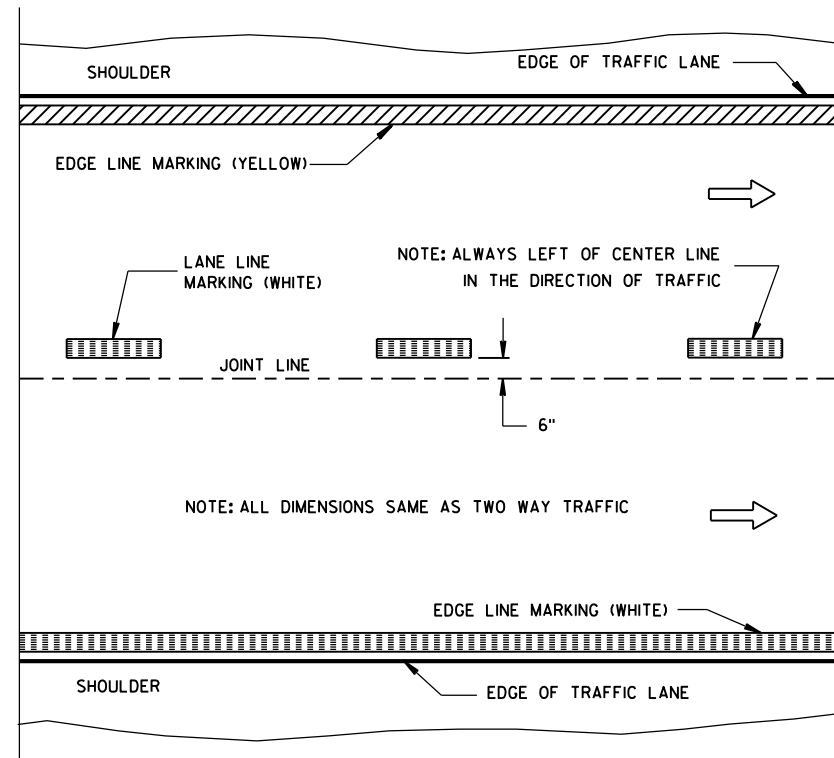
TRAFFIC CONTROL, ADVANCE
WARNING SIGNS 45 M.P.H.
OR GREATER TWO-WAY
UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00 /S/ Chester J. Spang
DATE CHIEF SIGNS AND MARKING ENGINEER
FHWA

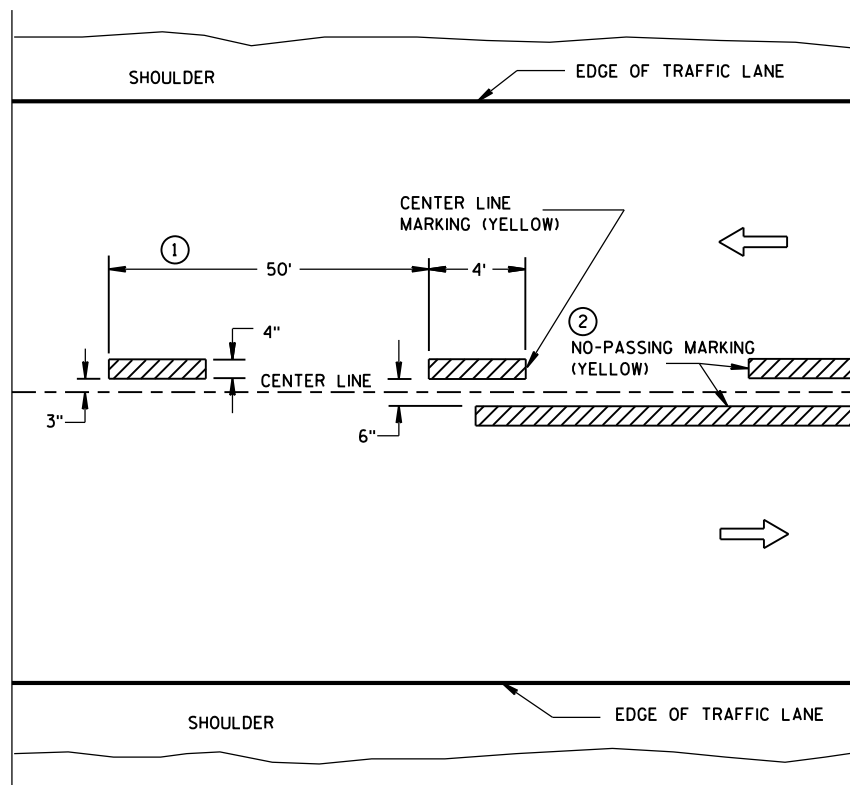


TWO WAY TRAFFIC

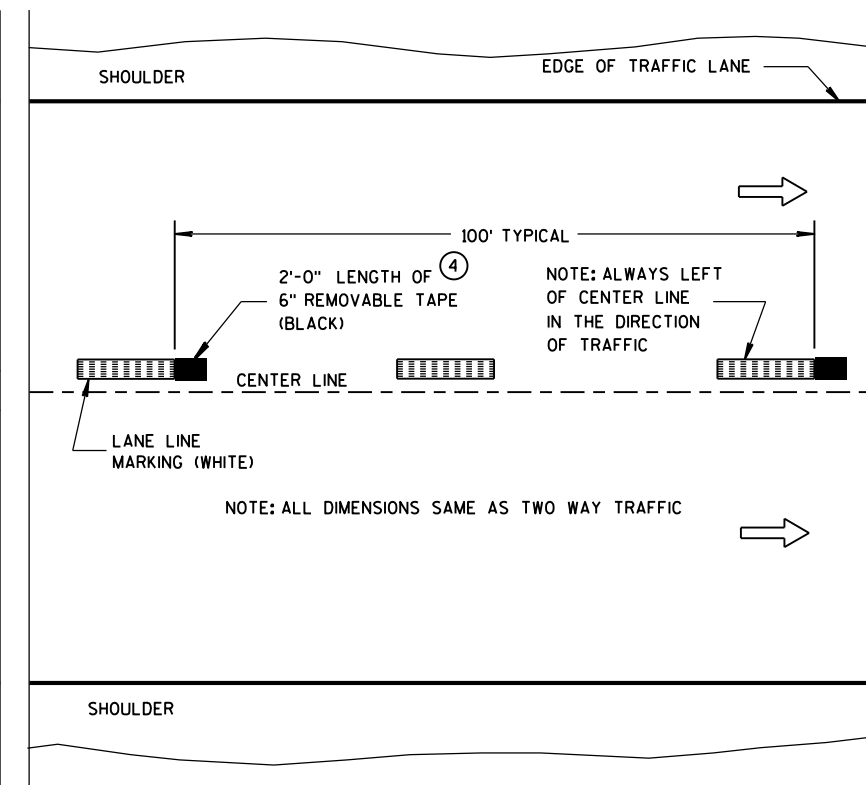


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

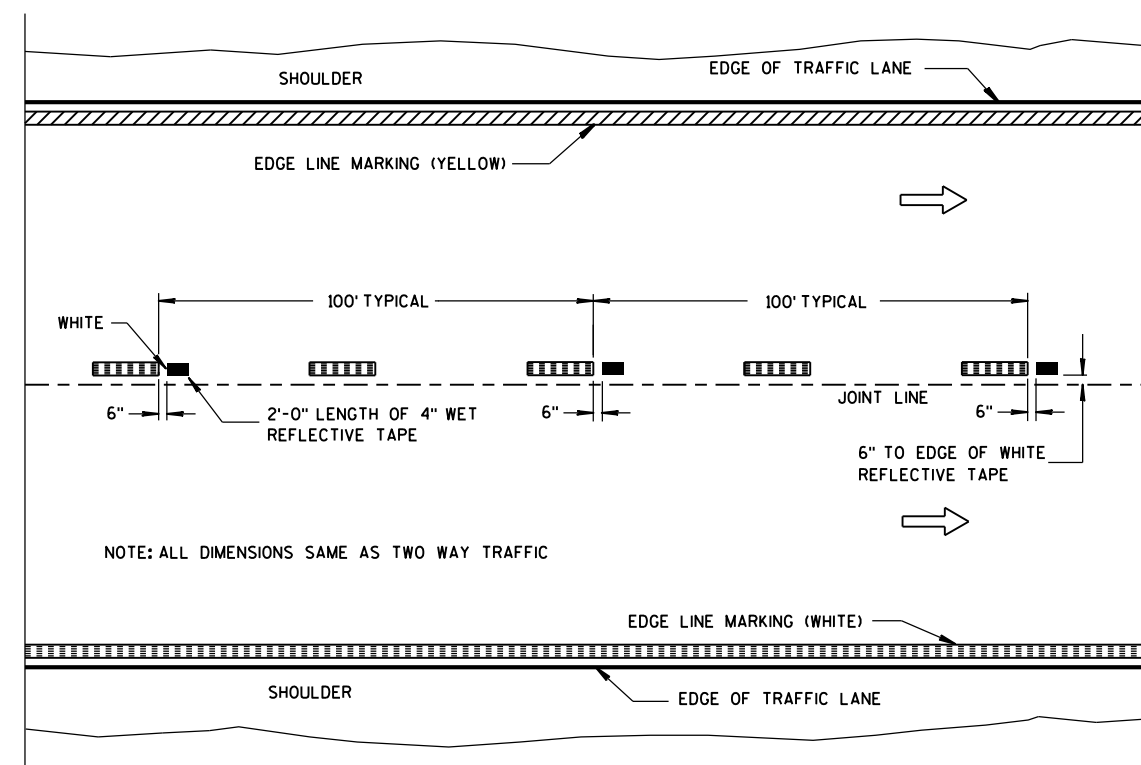
GENERAL NOTES

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**

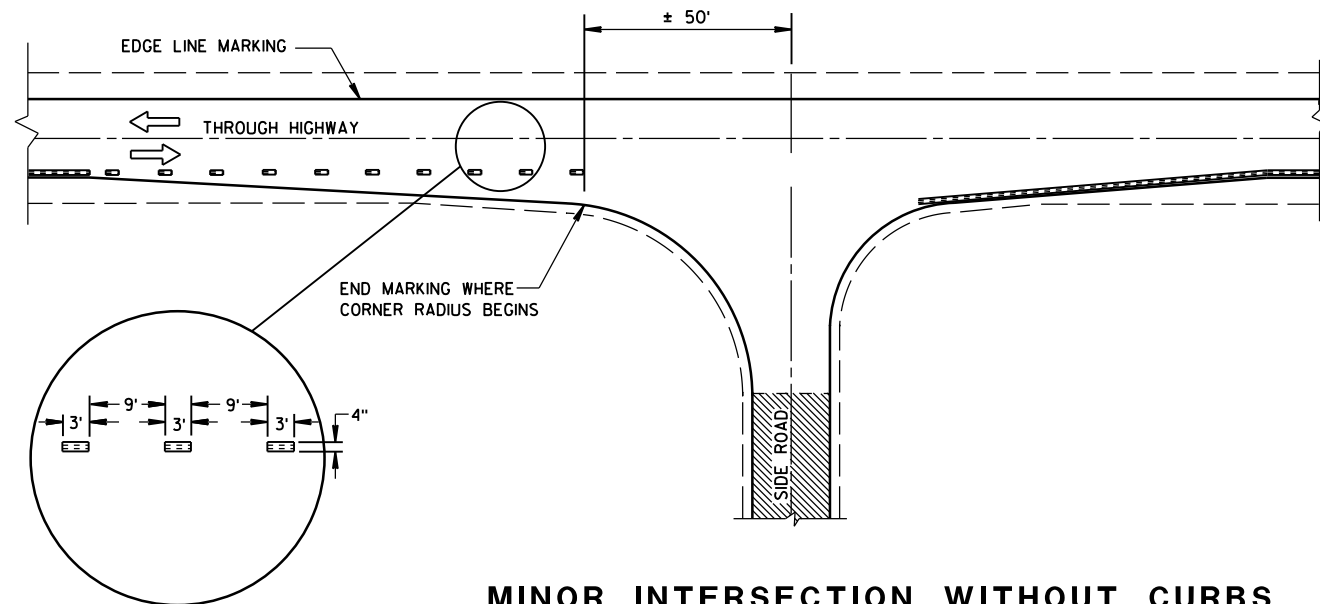
LEGEND

- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

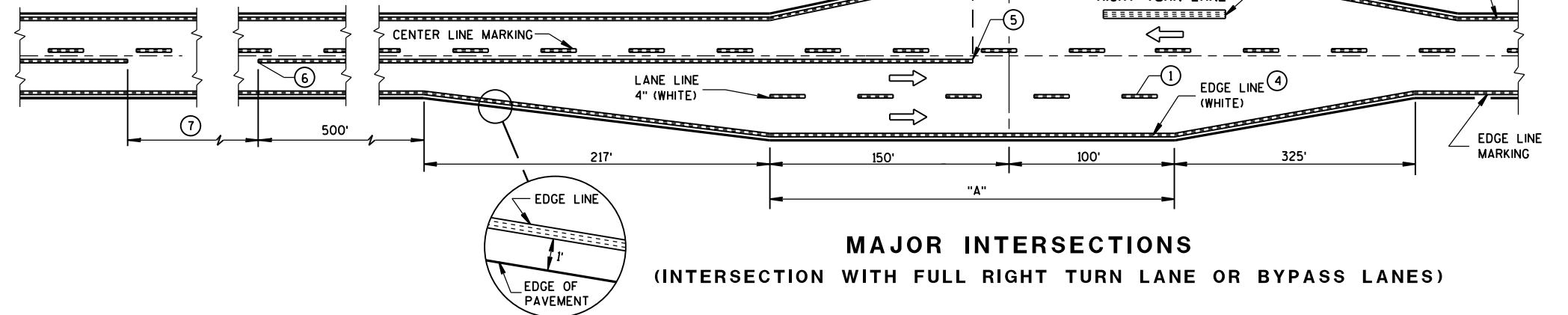
APPROVED
10-1-2012 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



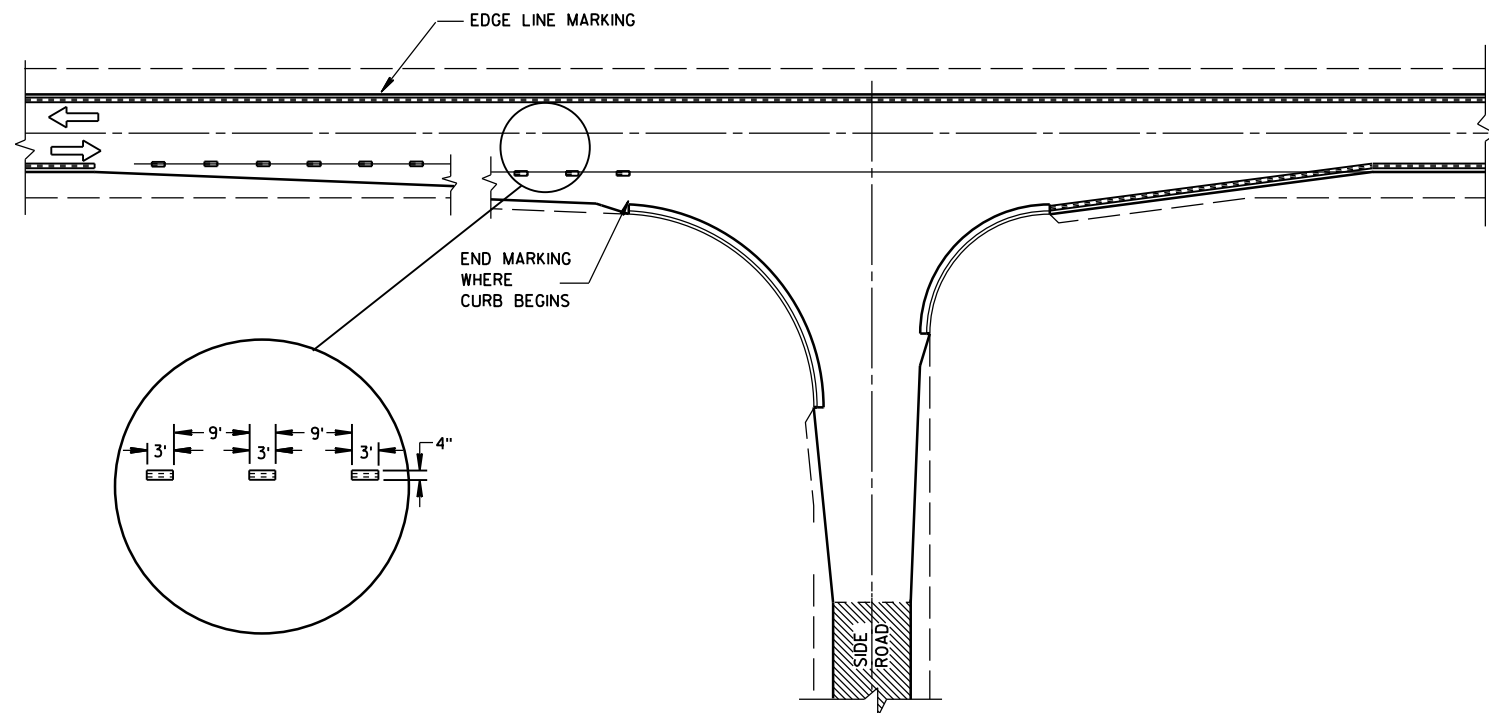
MINOR INTERSECTION WITHOUT CURBS

⑦

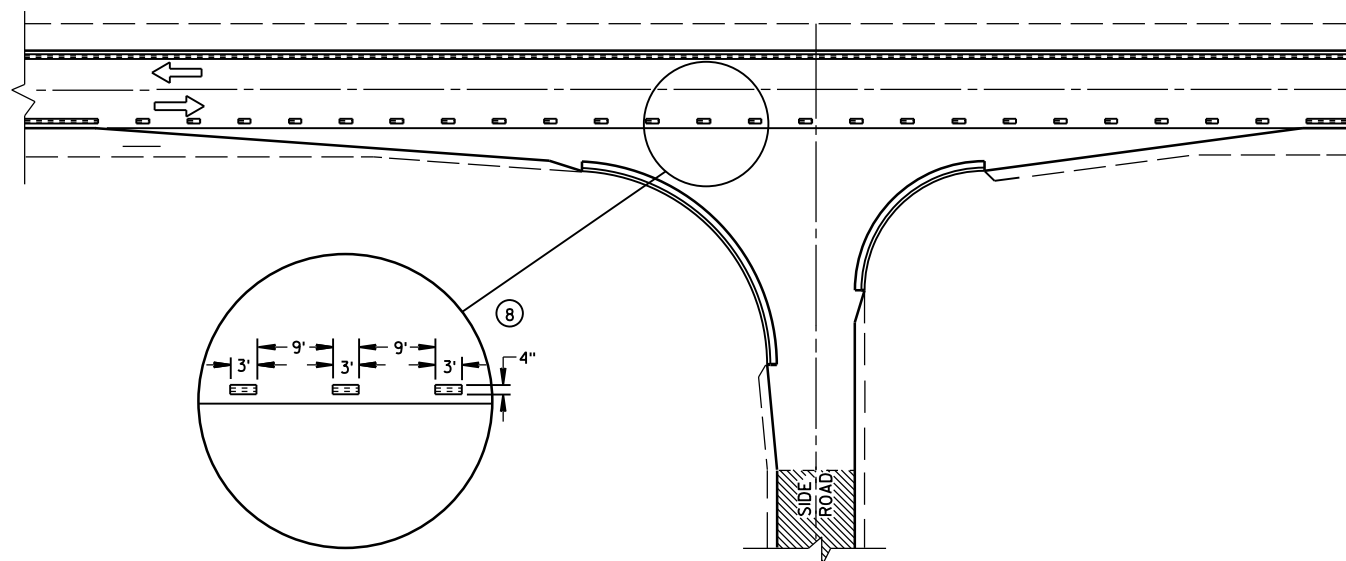
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



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

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TWO-LANE ROADWAY

SYMBOLS



WORK AREA



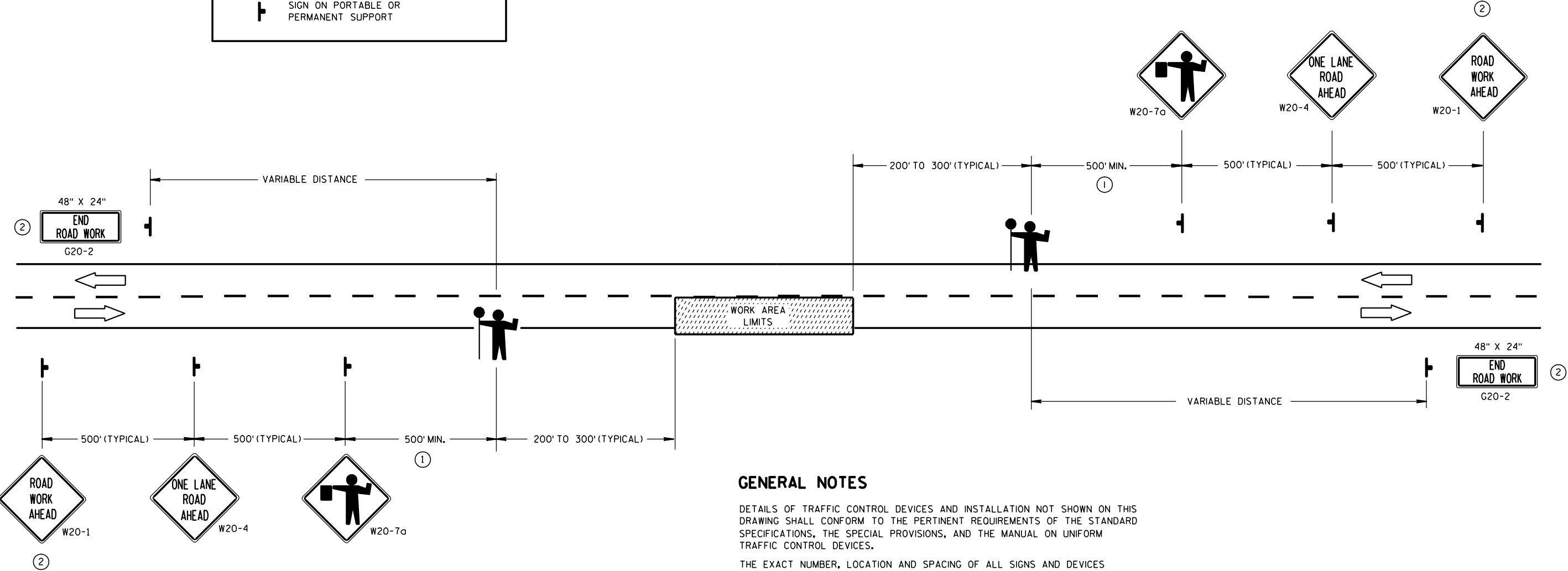
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



SIGN ON PORTABLE OR PERMANENT SUPPORT



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, THE "FLAGGER AHEAD", THE "ROAD WORK AHEAD" AND THE ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND THE HIGHWAY RESTORED TO NORMAL OPERATION.

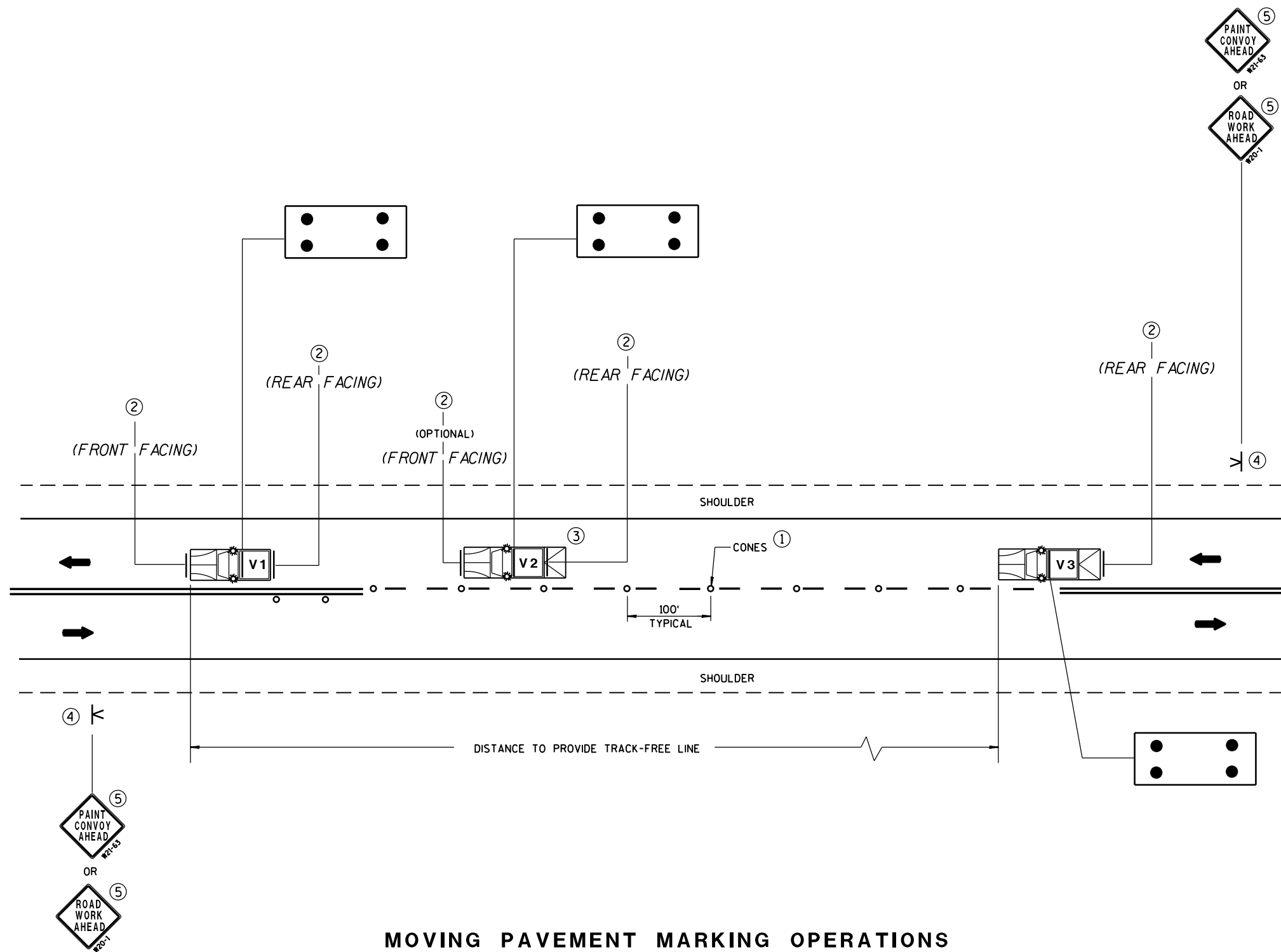
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

- 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
9/5/06 /S/ Thomas N. Notbohm
DATE 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.

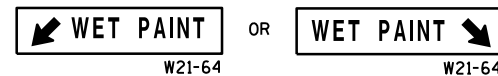
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

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

K SIGN ON PORTABLE SUPPORT

→ DIRECTION OF TRAVEL

o CONES

⋮ FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

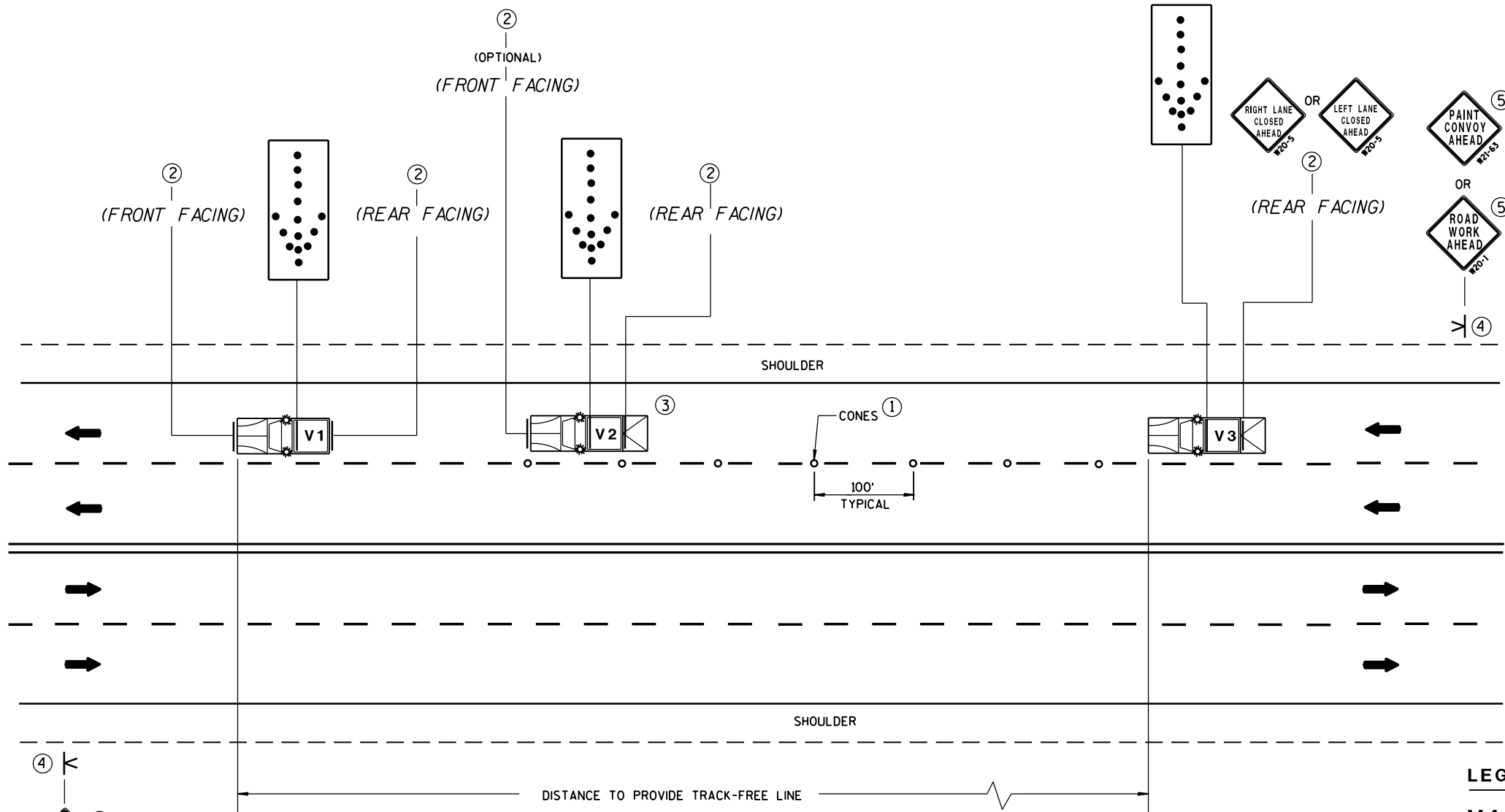
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/6/2011
DATE

FHWA

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



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.

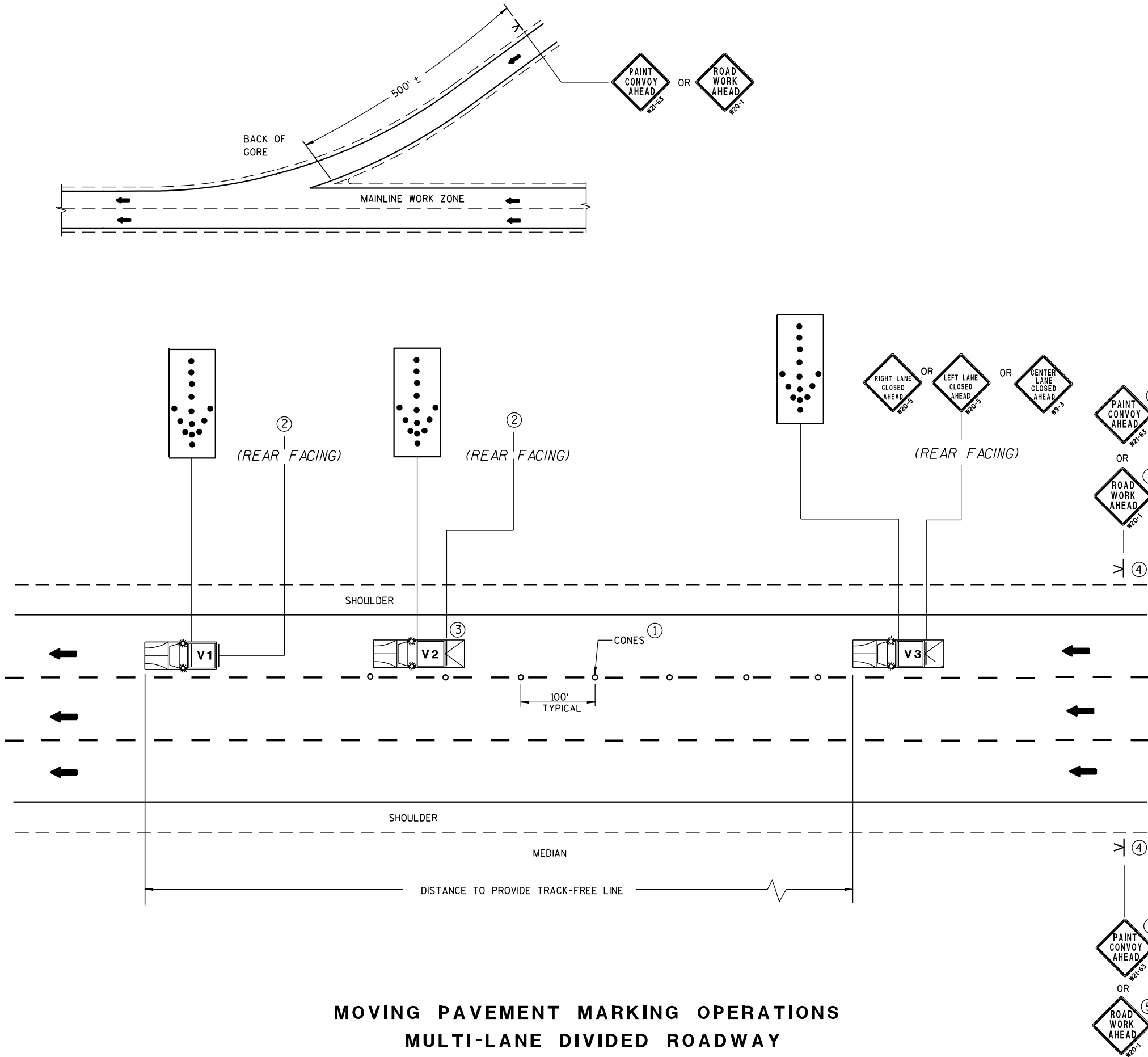
THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE OR LANELINE MARKING FOR MULTILANE UNDIVIDED ROADWAYS.

- 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.
 W21-64 OR 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.

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

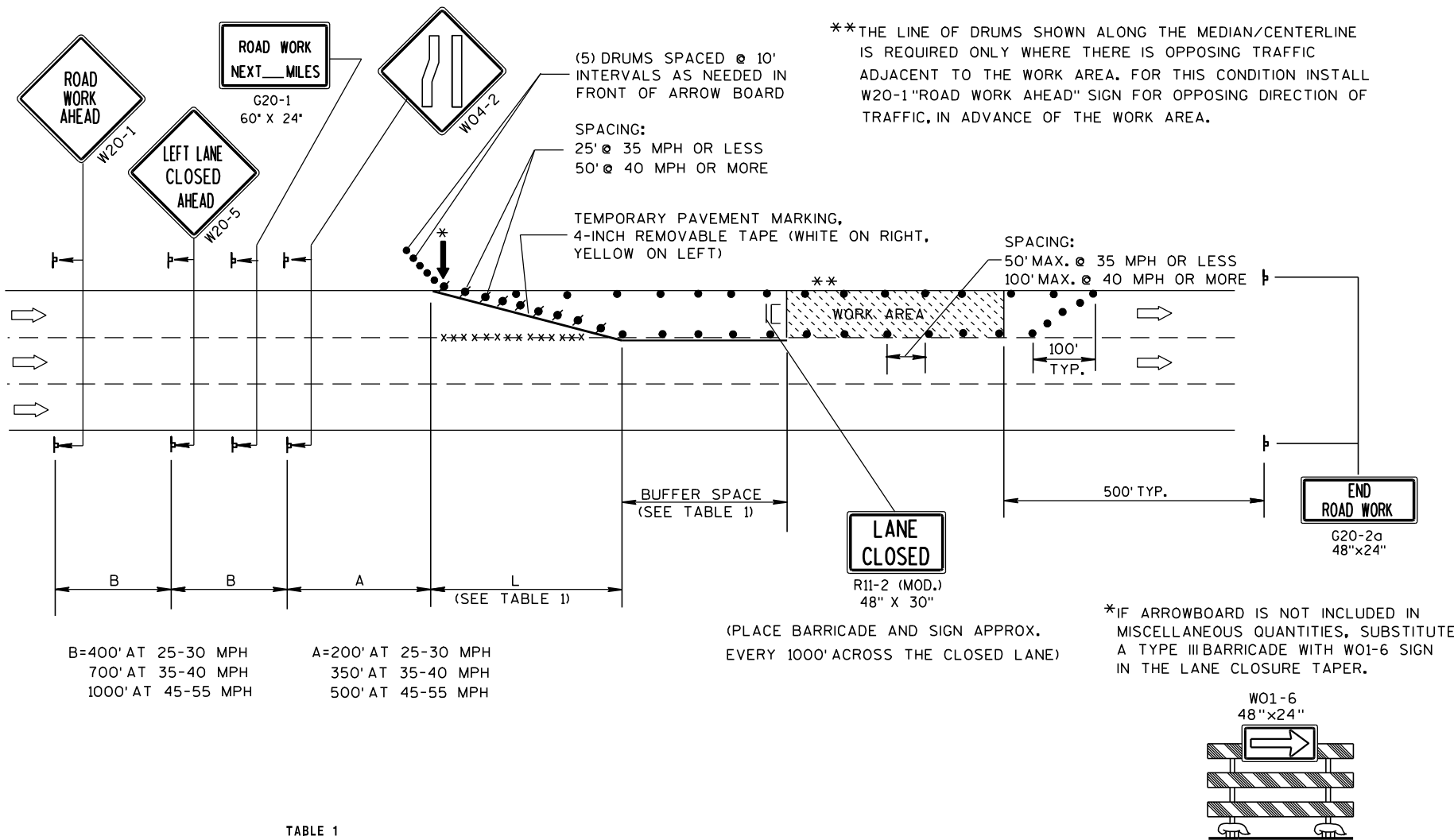


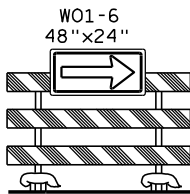
TABLE 1
TAPER AND BUFFER SPACE
FOR 12' LANE WIDTH

S	L	BUFFER SPACE
25	125'	55'
30	180'	85'
35	245'	120'
40	320'	170'
45	540'	220'
50	600'	280'
55	660'	335'

FOR LANE WIDTH OTHER THAN 12':
L = WS AT 45 MPH OR GREATER
L = $\frac{WS^2}{60}$ AT 40 MPH OR LESS
L = TAPER LENGTH IN FEET
S = NON-CONSTRUCTION SPEED LIMIT (MPH)
W = WIDTH OF LANE CLOSURE

LEGEND

- DRUM WITH/WITHOUT WARNING LIGHT, TYPE C (STEADY-BURN)
- ⌋ POST MOUNTED SIGN
- ↑ ARROW BOARD
- IC/C TYPE III BARRICADE (8' EQUIVALENT) AND WARNING LIGHTS, TYPE A (FLASHING) WITH/WITHOUT SIGN
- DIRECTION OF TRAFFIC FLOW
- x x x x REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)



GENERAL NOTES

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

ON UNDIVIDED ROADWAYS, OMIT THE SIGNS SHOWN ON LEFT SIDE OF ROAD.

W20-1, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

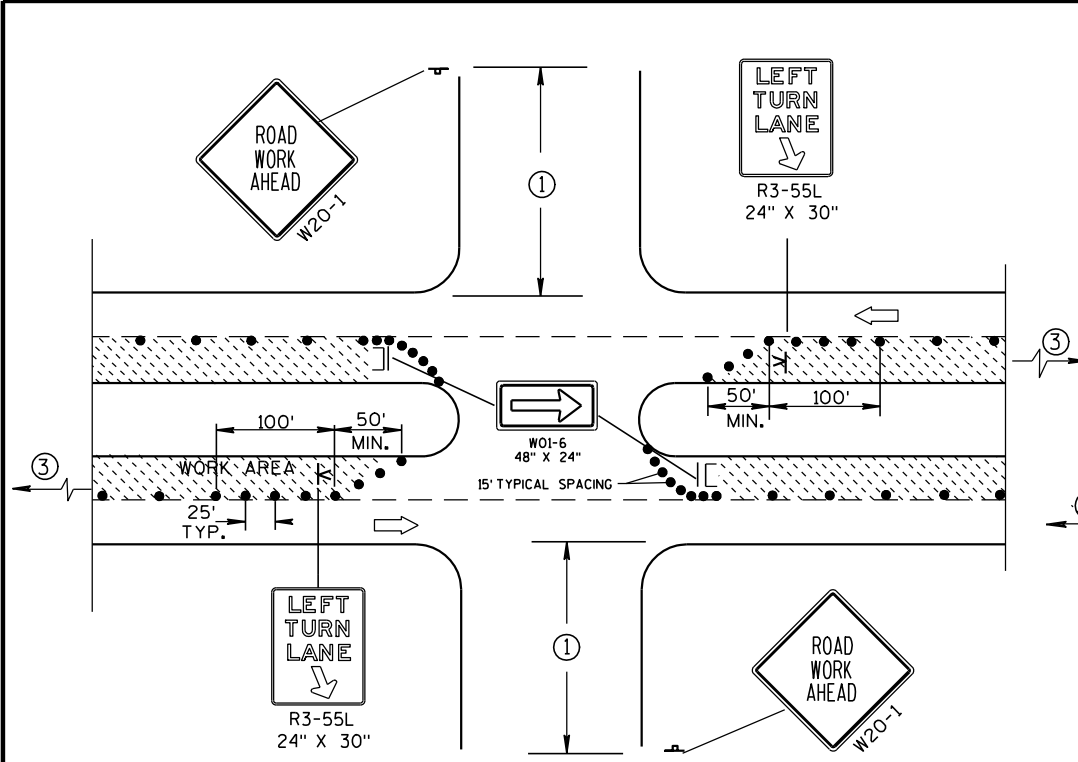
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

TRAFFIC CONTROL,
SINGLE LANE CLOSURE,
NON-FREEWAY/EXPRESSWAY

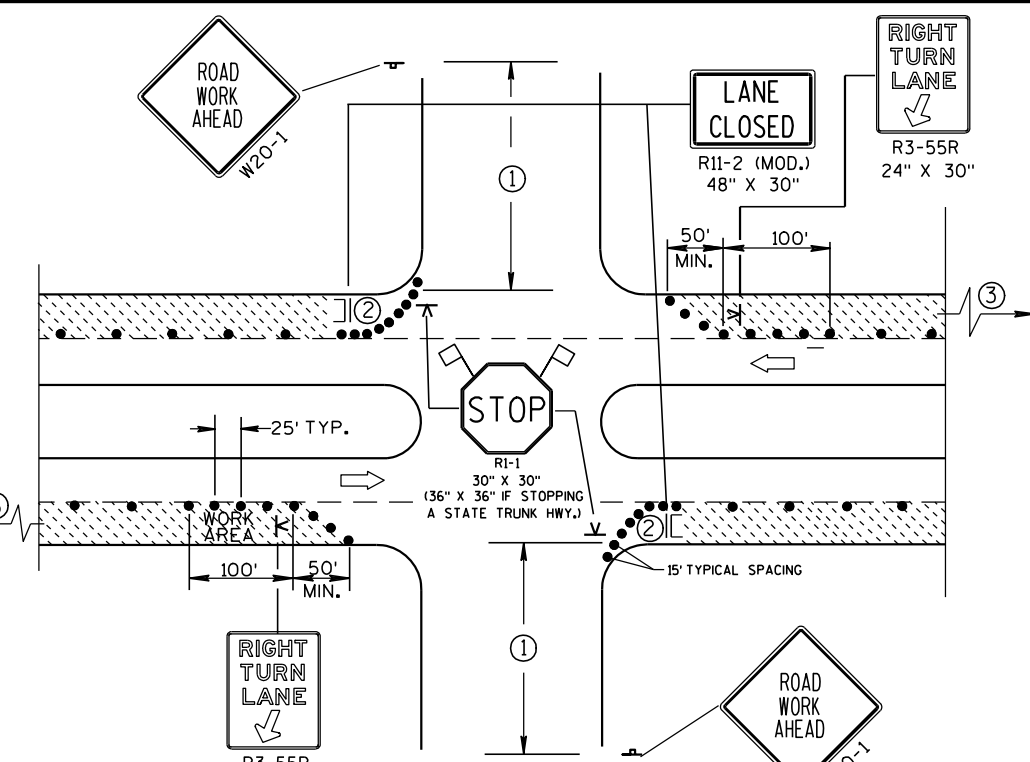
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00 /S/ Chester J. Spang
DATE CHIEF SIGNS AND MARKING ENGINEER
FHWA



DETAIL A
FOR LEFT LANE CLOSURE AT
INTERSECTION OR MEDIAN OPENING

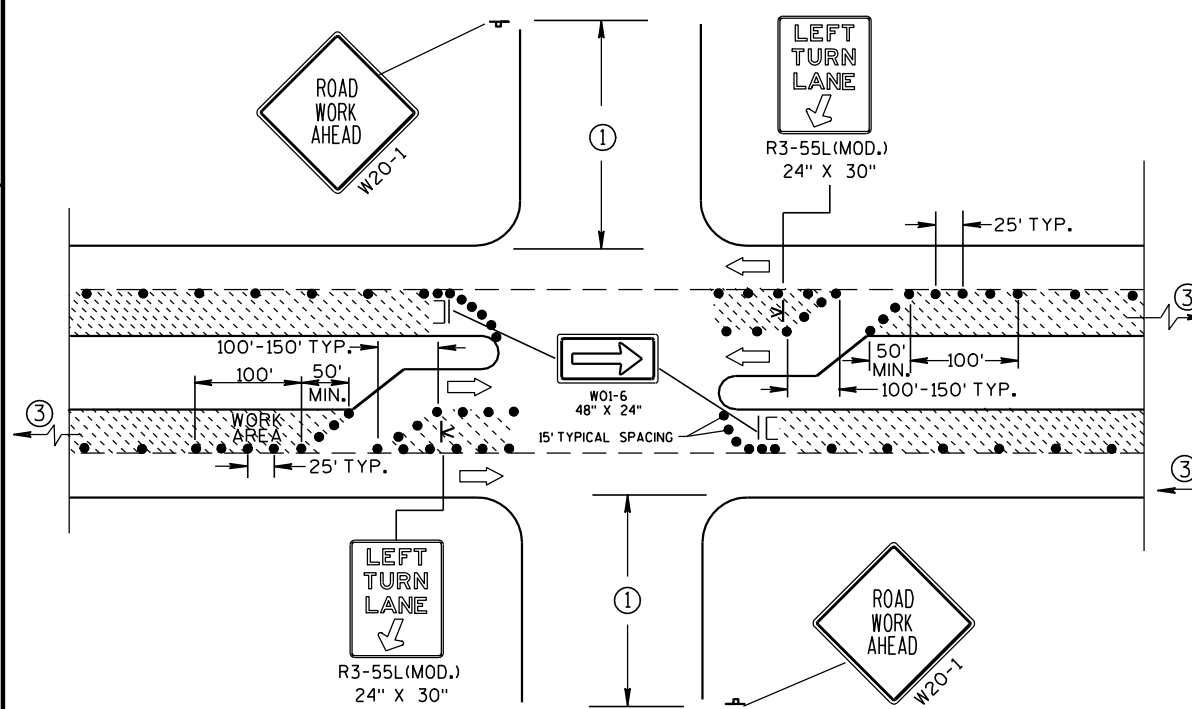
PROVIDE TURN LANES AT
INTERSECTIONS WHENEVER
STAGING OF WORK ALLOWS.
TAPER AND TURN LANE
LENGTHS BASED ON FIELD
CONDITIONS AS APPROVED
BY THE ENGINEER.



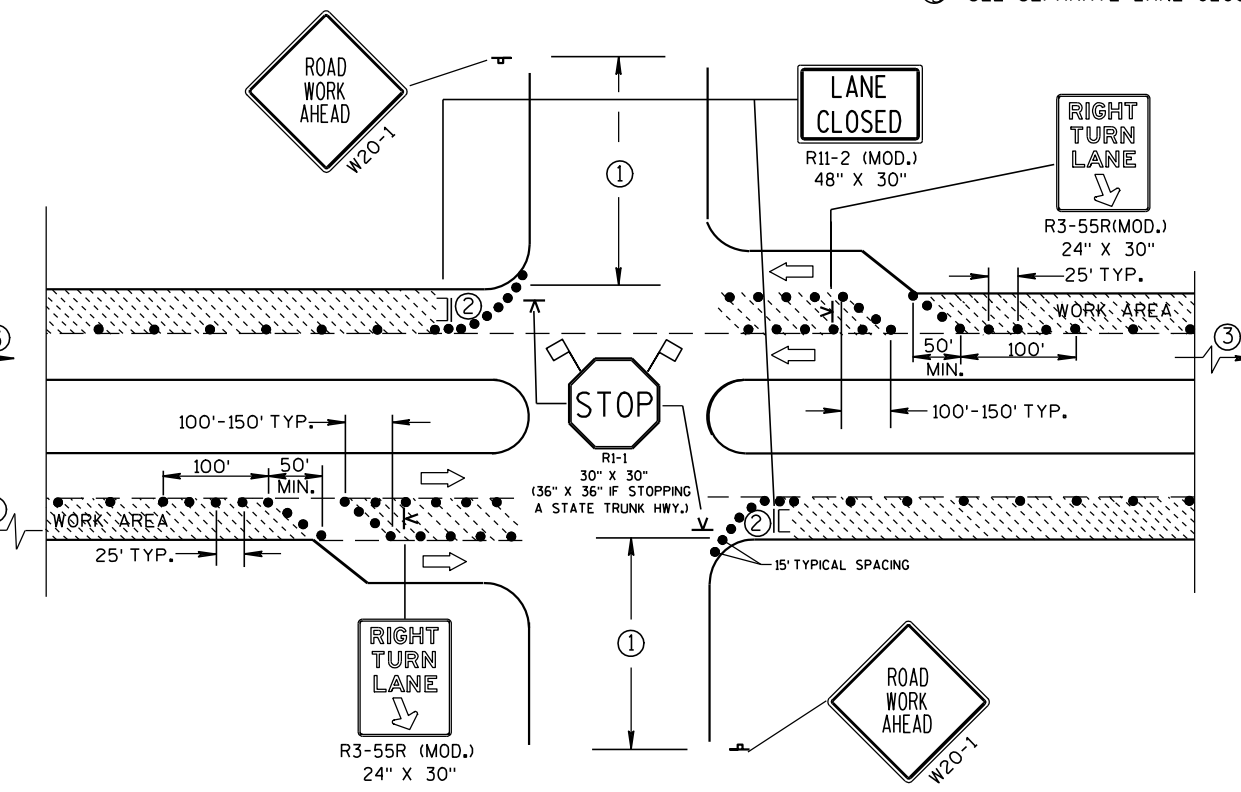
DETAIL B
FOR RIGHT LANE CLOSURE
AT INTERSECTION

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 SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.
- ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.
- "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
- SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.
- SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.
- 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.
- CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.
- BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.
- ① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35-40 MPH.
200' IF 25-30 MPH.
 - ② ALSO USE BARRICADE AND 15' TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.
 - ③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.



DETAIL C
FOR LEFT LANE CLOSURE AT INTERSECTION OR
MEDIAN OPENING (WITH LEFT TURN BAY OPEN)



DETAIL D
FOR RIGHT LANE CLOSURE AT INTERSECTION
(WITH RIGHT TURN BAY OPEN)

LEGEND

- DRUM
- ⌚ POST MOUNTED SIGN
- K SIGN ON PORTABLE SUPPORT (5' MIN. MOUNTING HEIGHT)
- || TYPE III BARRICADE (8' EQUIVALENT) AND WARNING LIGHT, TYPE A (FLASHING) WITH SIGN
- ➡ DIRECTION OF TRAFFIC FLOW
- 🚩 FLAGS, 16" X 16" MIN., ORANGE

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 5/23/00 DATE	/S/ Chester J. Spang CHIEF SIGNS AND MARKING ENGINEER
FHWA	

SYMBOLS

- TRAFFIC CONTROL DRUM
- ┐ POST MOUNTED SIGN
- ➡ DIRECTION OF TRAFFIC FLOW
- ⓧ ARROW BOARD IN CAUTION MODE

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

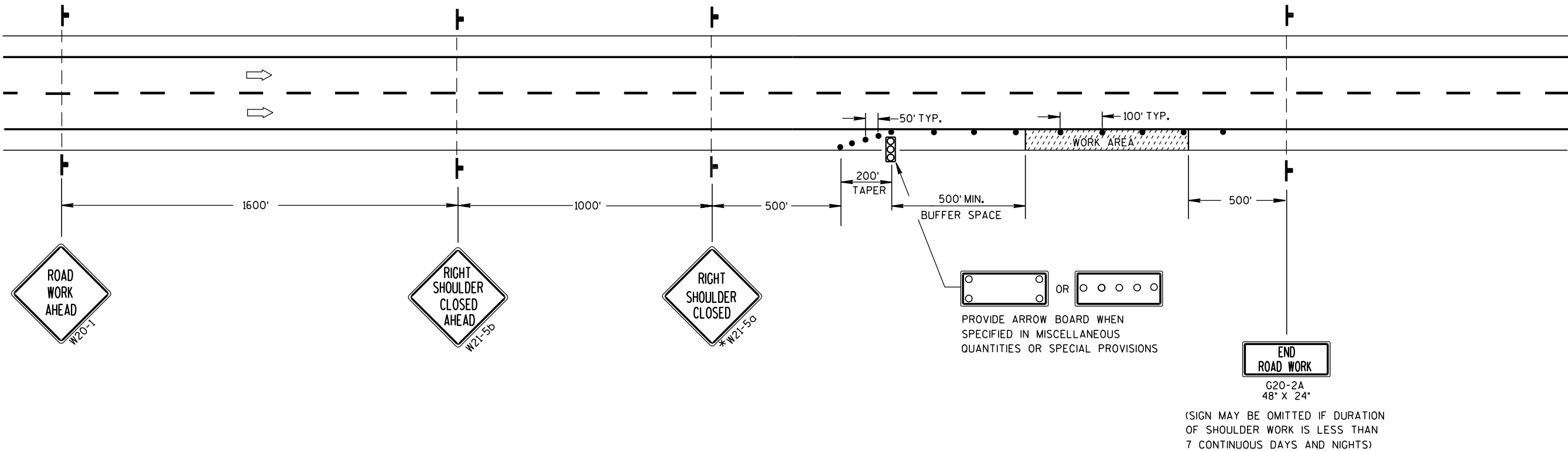
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A 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.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL
SHOULDER CLOSURE ON DIVIDED
ROADWAY, SPEEDS GREATER
THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00 /S/ Chester J. Spang
DATE CHIEF SIGNS AND MARKING ENGINEER
FHWA

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.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

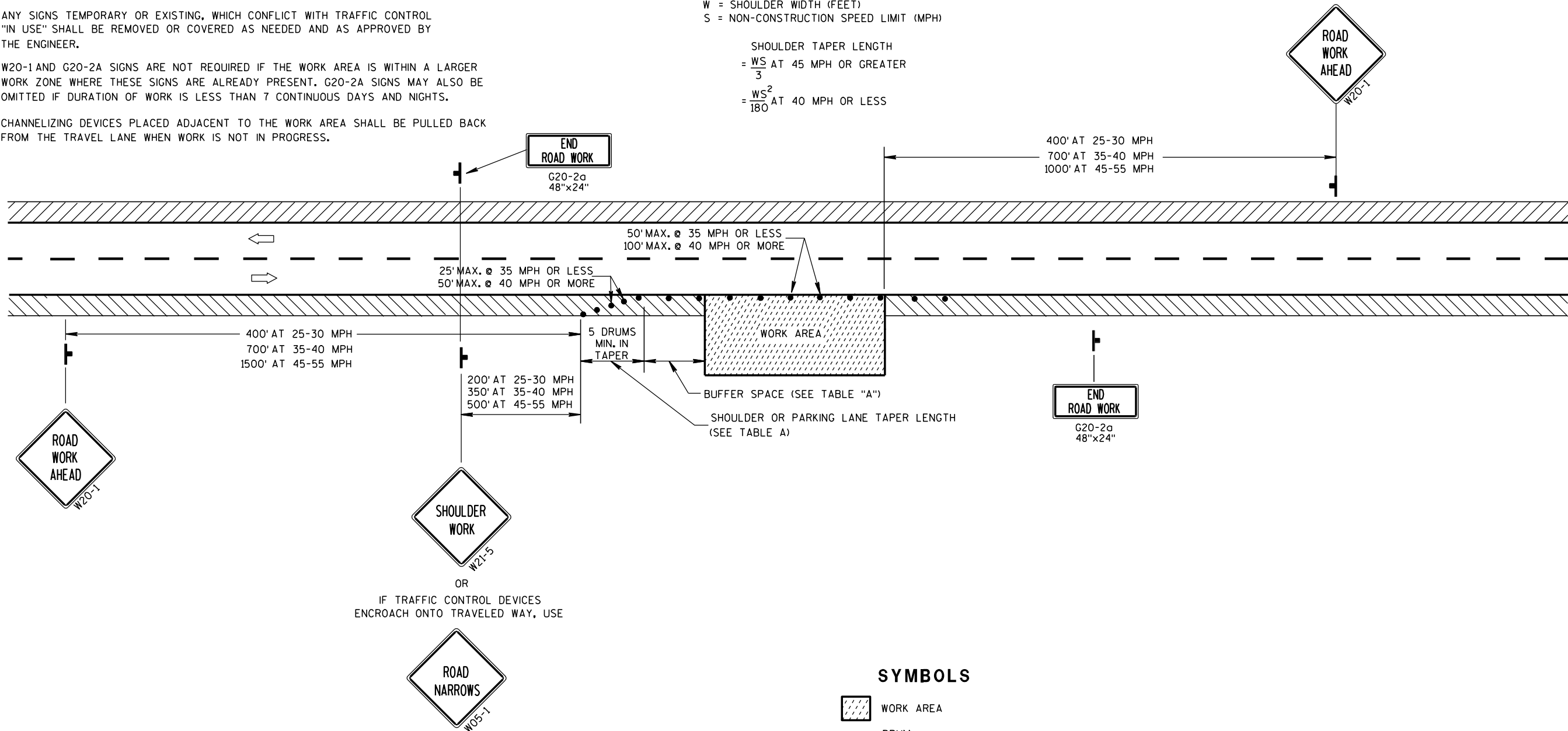
CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

S \ W		SHOULDER TAPER LENGTH (FEET)				BUFFER SPACE (FEET)
		4	6	8	10	
30	20	30	40	50		85
35	30	45	55	70		120
40	40	55	75	90		170
45	60	90	120	150		220
50	70	100	135	170		280
55	75	110	150	185		335

W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

SHOULDER TAPER LENGTH
= $\frac{WS}{3}$ AT 45 MPH OR GREATER
= $\frac{WS^2}{180}$ AT 40 MPH OR LESS



SYMBOLS

- WORK AREA
- DRUM
- POST MOUNTED SIGN
- DIRECTION OF TRAFFIC FLOW

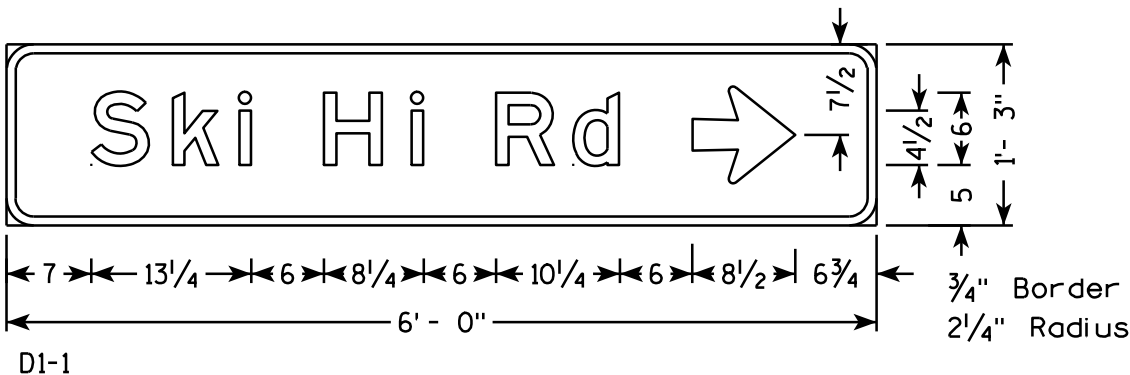
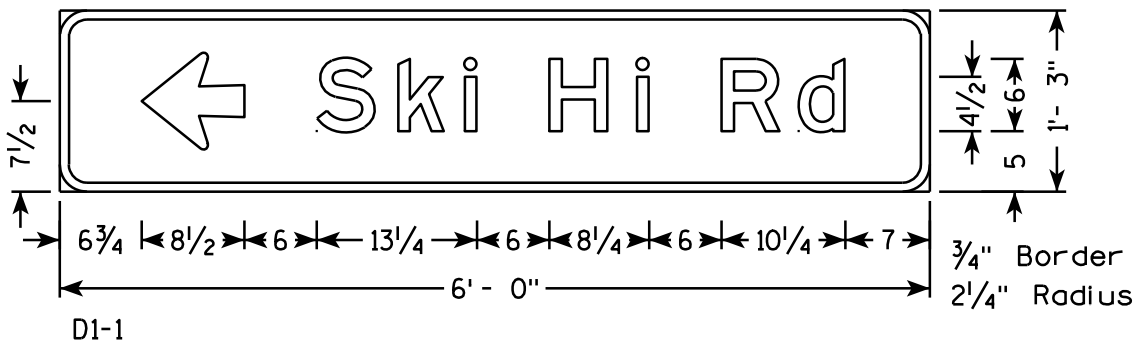
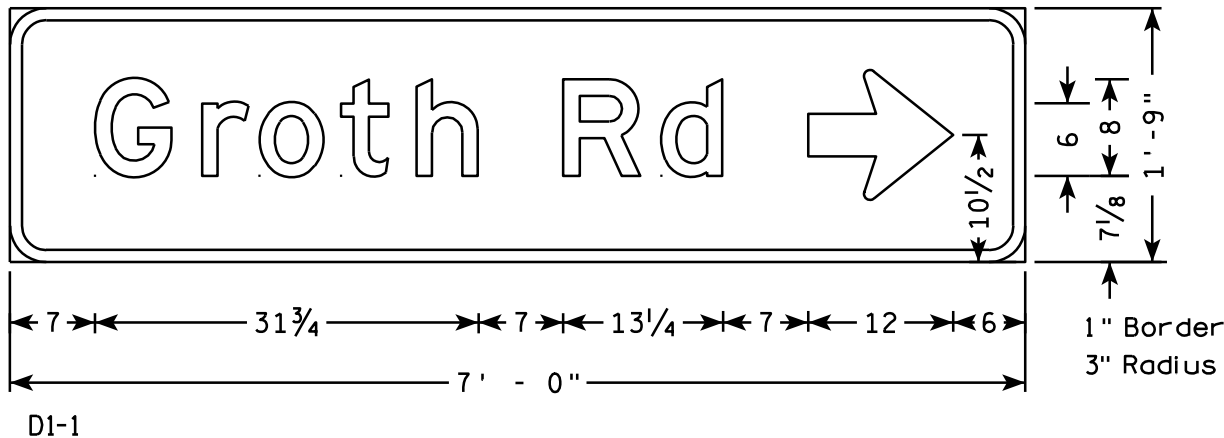
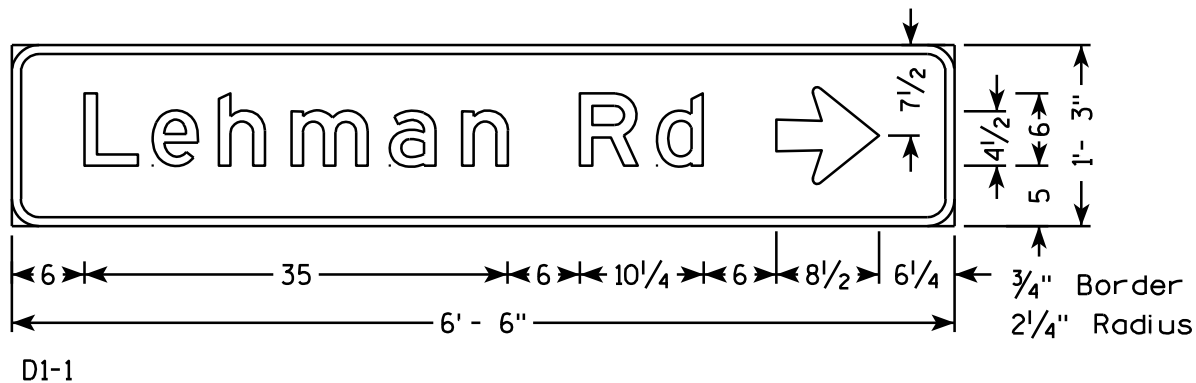
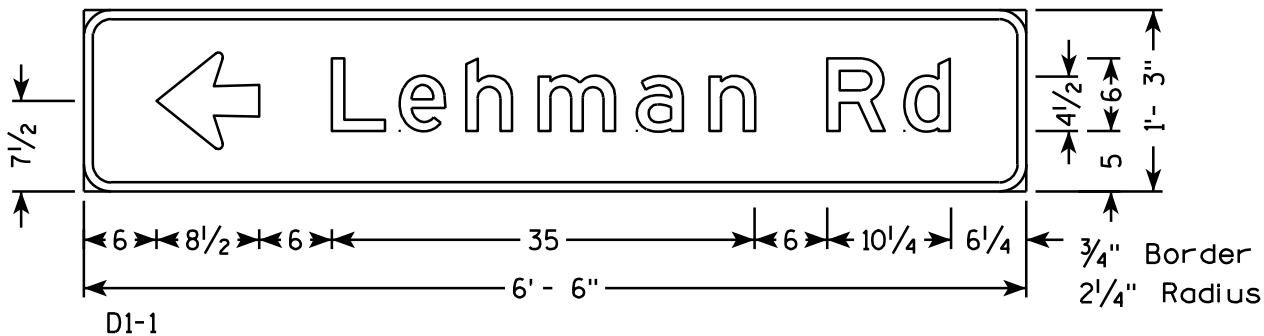
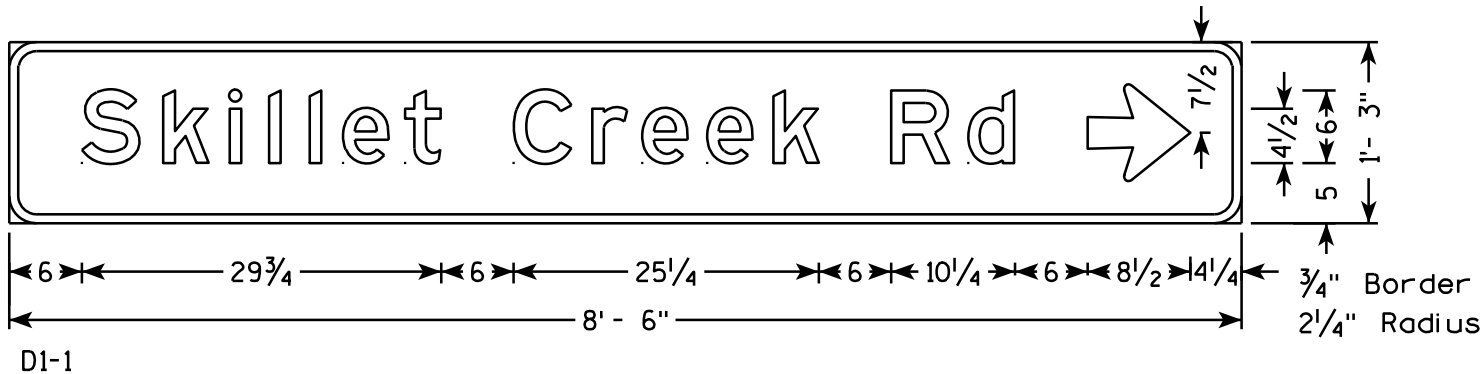
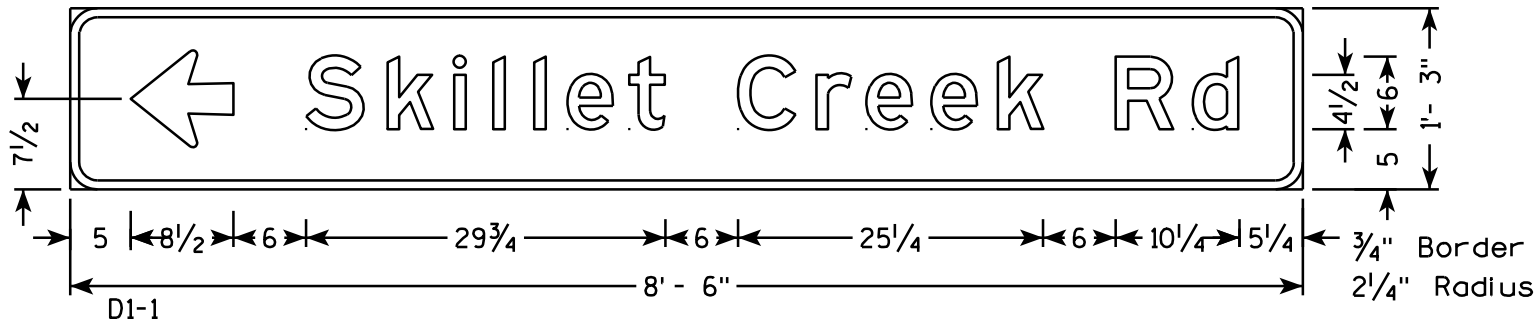
TRAFFIC CONTROL,
WORK ON SHOULDER OR
PARKING LANE,
UNDIVIDED ROADWAY

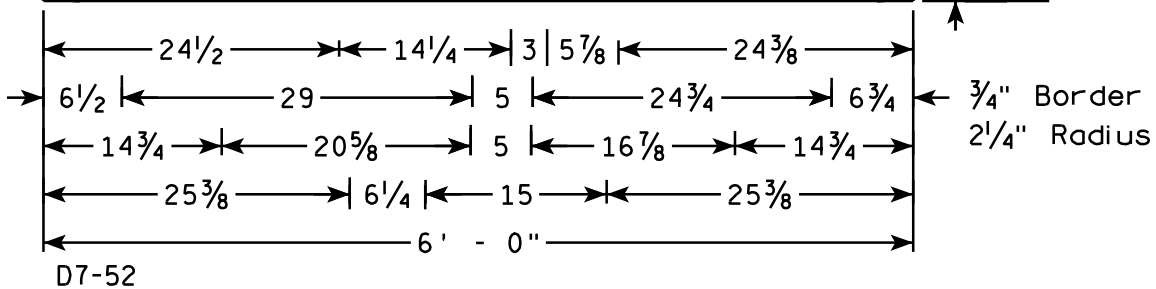
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/00 /S/ Chester J. Spang
DATE CHIEF SIGNS AND MARKING ENGINEER
FHWA

NOTES

1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - GREEN
Message - WHITE
3. Message Series - E

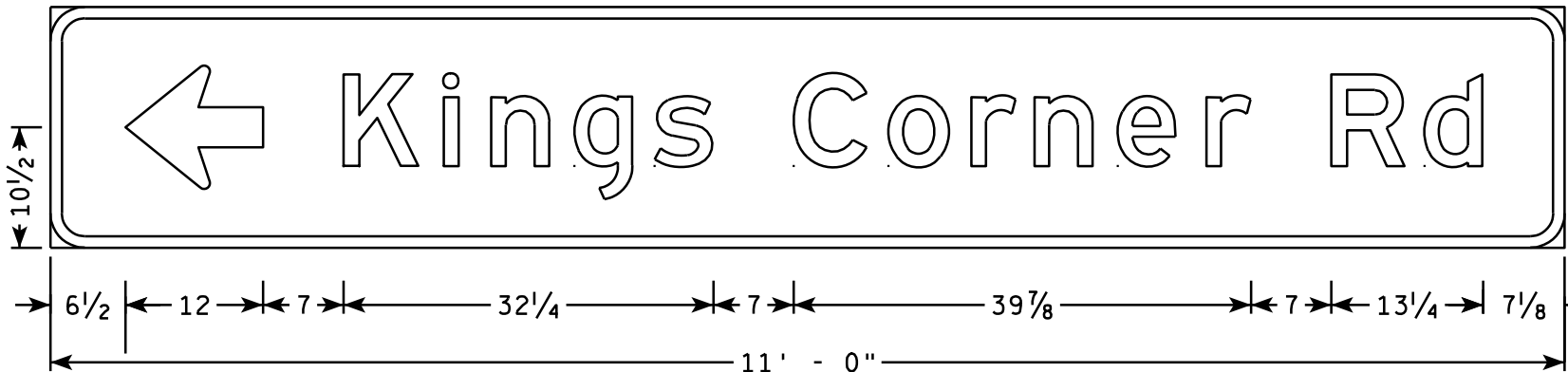




D7-52

NOTES

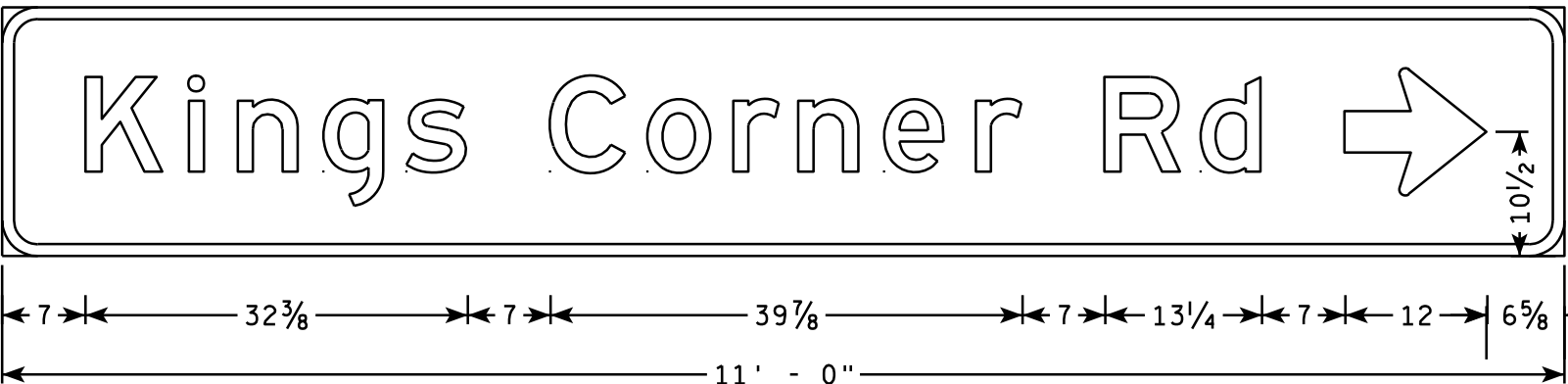
1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - GREEN except as Shown
Message - WHITE
3. Message Series - E except as Shown



D1-1



D7-52



D1-1

PROJECT NO: 1670-03-71

HWY: USH 12

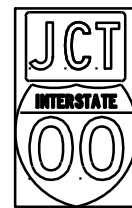
COUNTY: SAUK

PERMANENT SIGNING

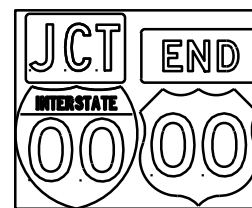
SHEET NO:

E

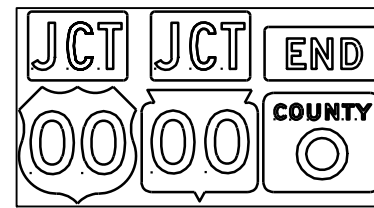
TYPICAL ASSEMBLIES



J1-1



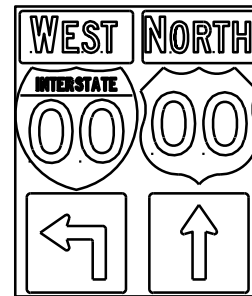
J1-2



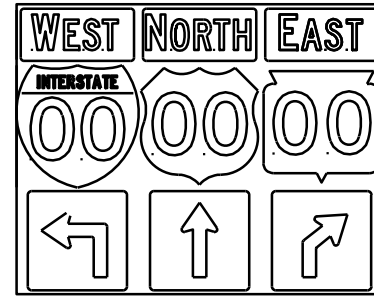
J1-3



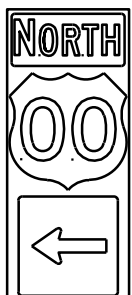
J2-1



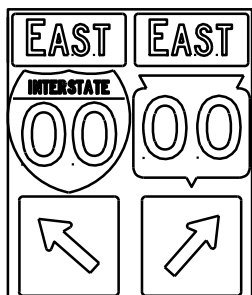
J2-2



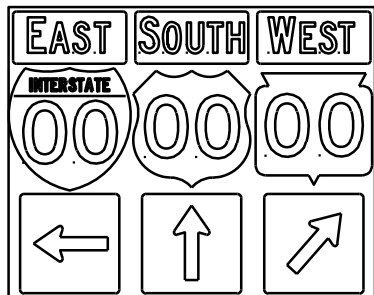
J2-3



J3-1



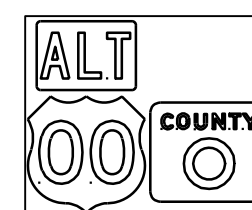
J3-2



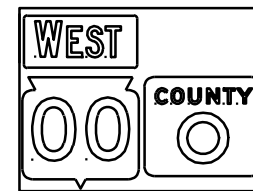
J3-3



J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1



J23-1



J22-1

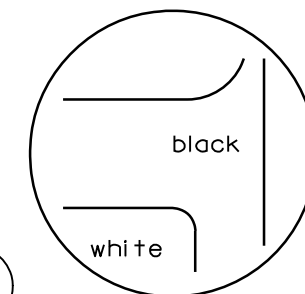
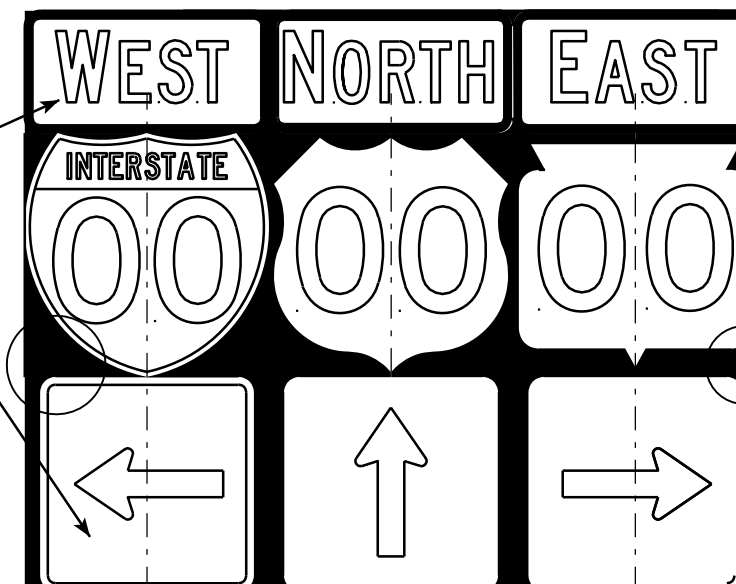
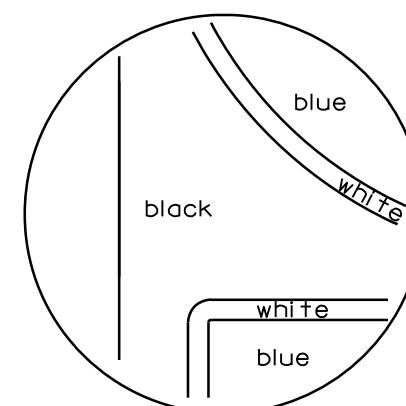


JV

NOTES

- Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - Black Non-reflective
Message - see Note 5
- Message Series - See Note 5
- Corners shall be square since base material is plywood.
- The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
- Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
- Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
- Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
- Route assemblies that have 36 inch shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.

[blue background with interstate]



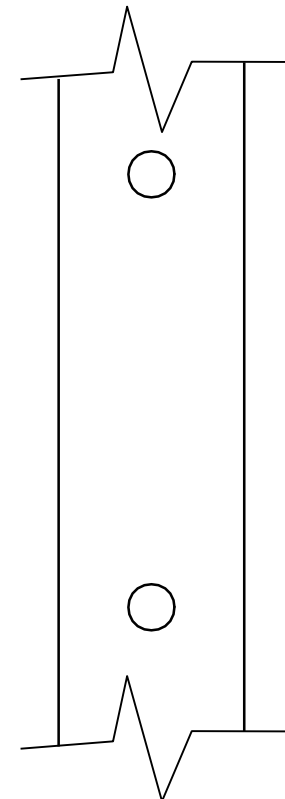
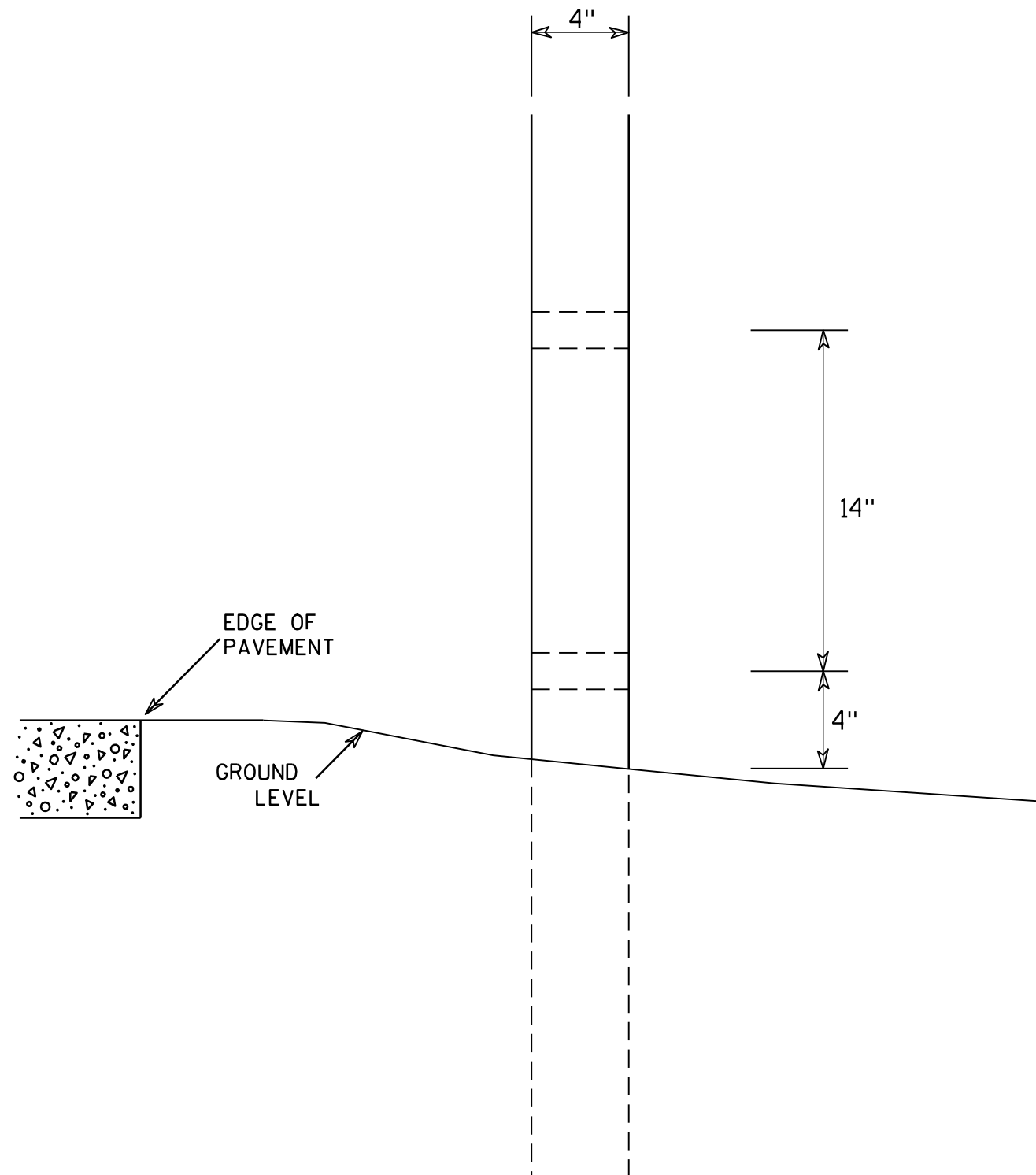
[black background]

ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 10/21/09	PLATE NO. A2-1S.6

PROJECT NO:

SHEET NO:

E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

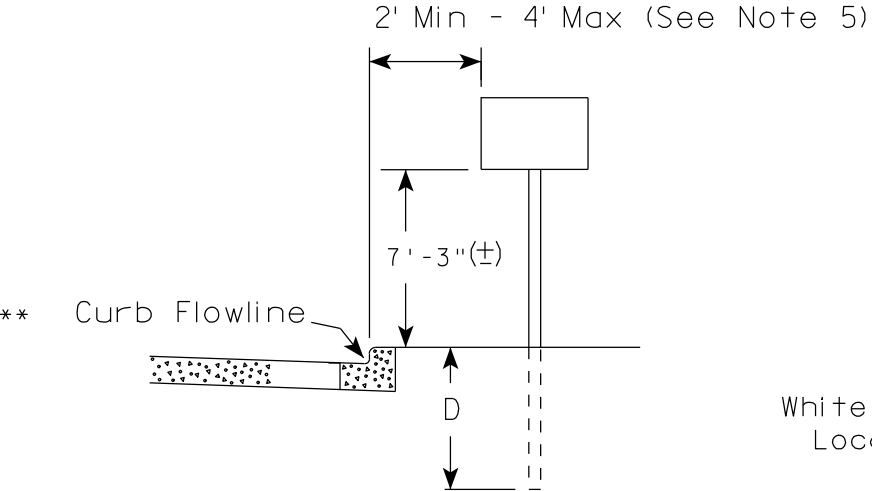
APPROVED

Chester J. Spang
for State Traffic Engineer

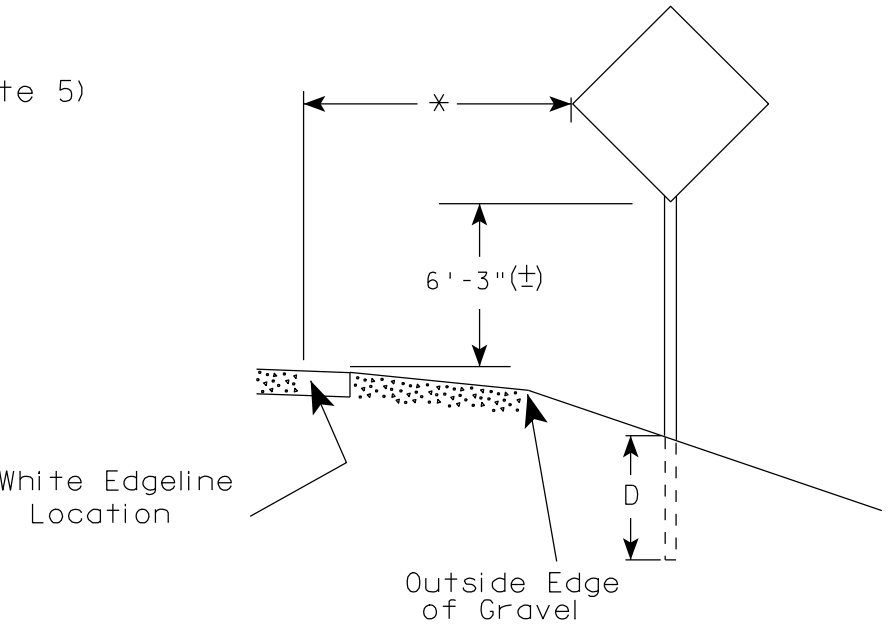
DATE 3/27/97

PLATE NO. A4-11.2

URBAN AREA

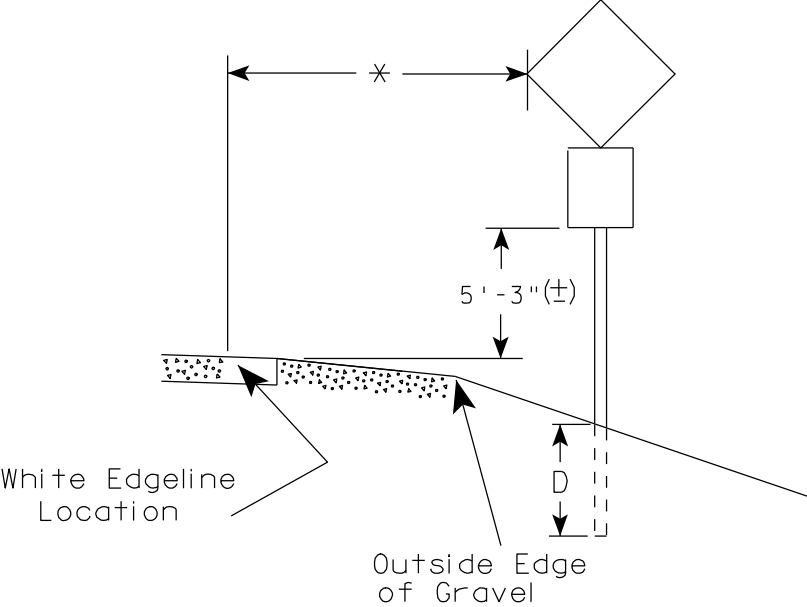
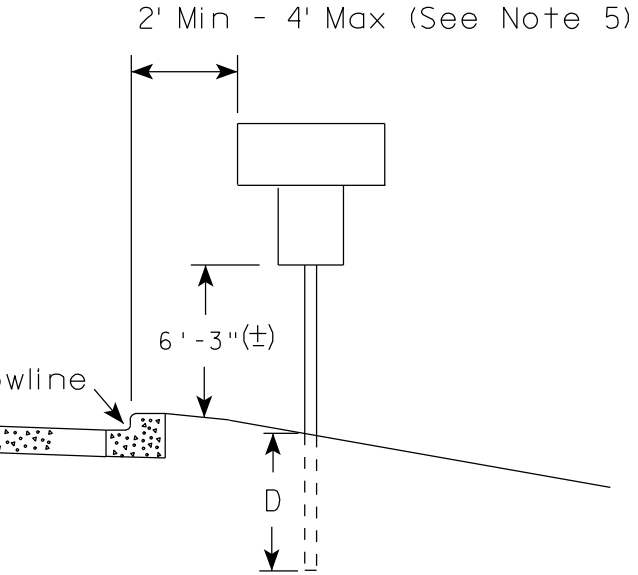


RURAL AREA (See Note 2)



GENERAL NOTES

1. Signs wider than 4 feet or larger than 20 sq. ft. shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'-3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (±).



POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

* * The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 9/21/2011 PLATE NO. A4-3.16

GENERAL NOTES

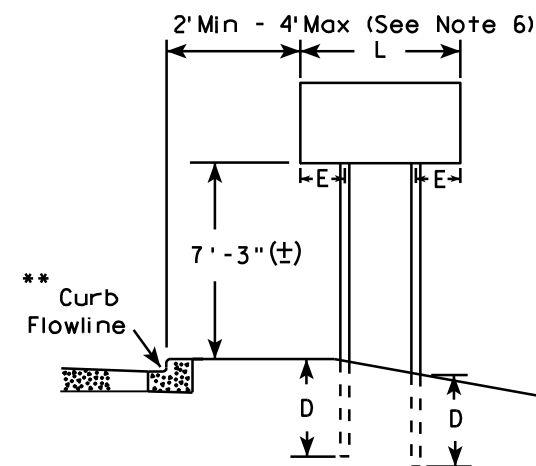
- For multiple post installations, individual post spacing shall be greater than 3'-6".
- See tables below for required number of posts.
- For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
- The (±) tolerance for mounting height is 3 inches.
- Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
- Offset distance shall be consistent with existing signs or consistent throughout length of project.
- Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
- The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

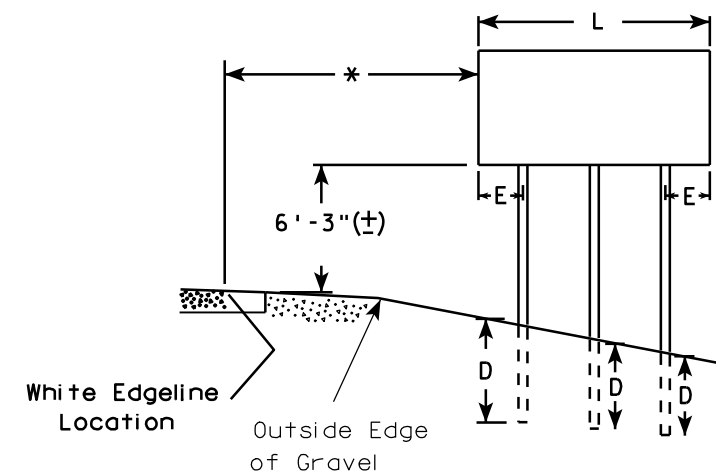
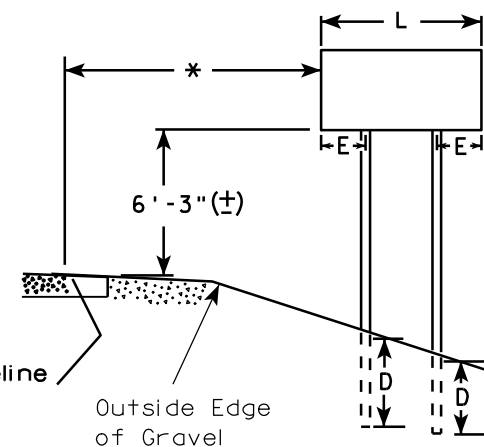
** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width or 20 S.F. or less in area.

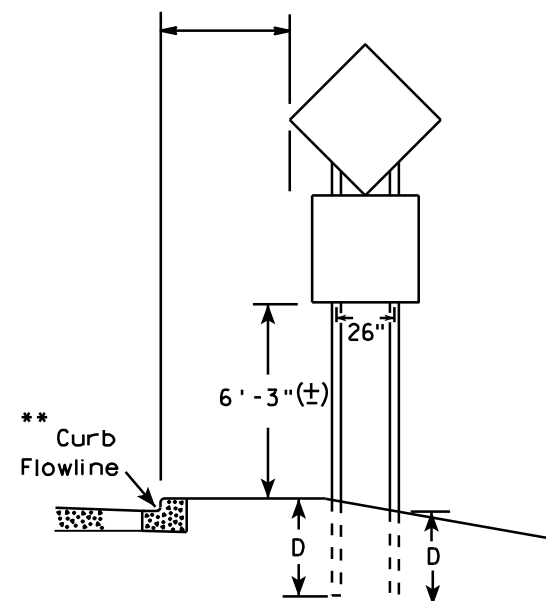
URBAN AREA



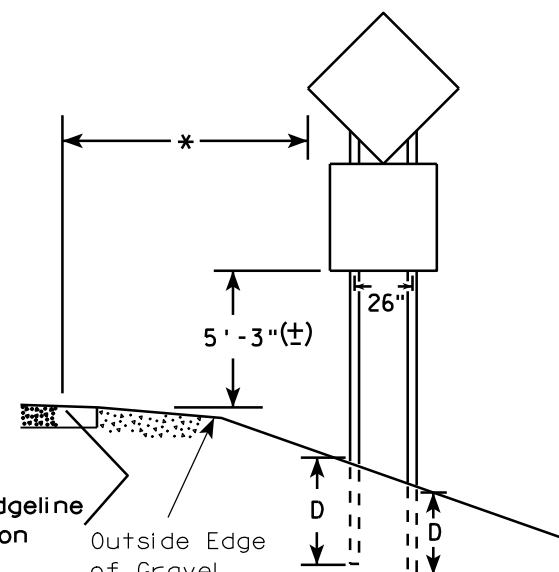
RURAL AREA (See Note 3)



2' Min - 4' Max (See Note 6)



48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)

L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)

L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)

L	E
168" and greater	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 9/21/2011 PLATE NO. A4-4.11

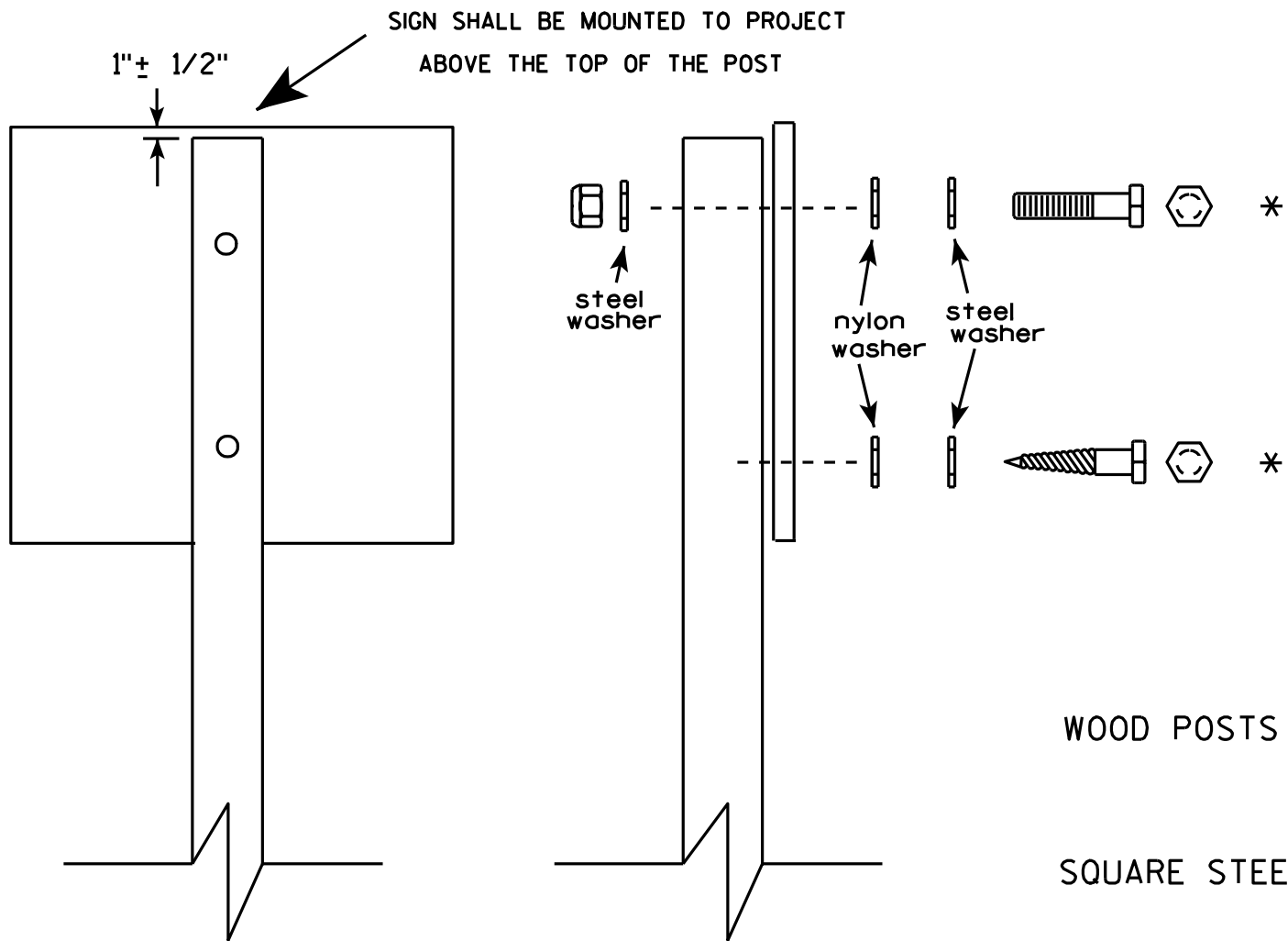
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

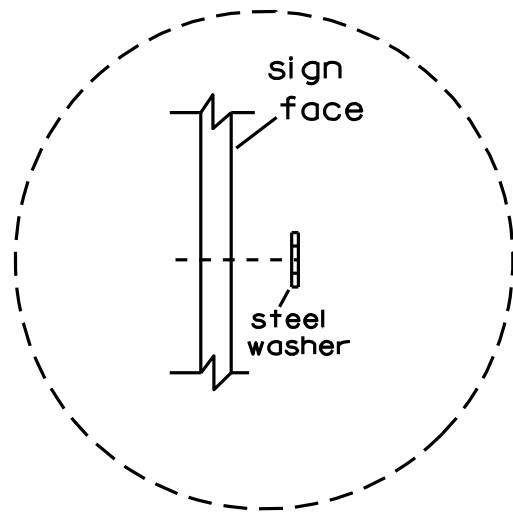


Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

- a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
- b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts
- SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH
- WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.

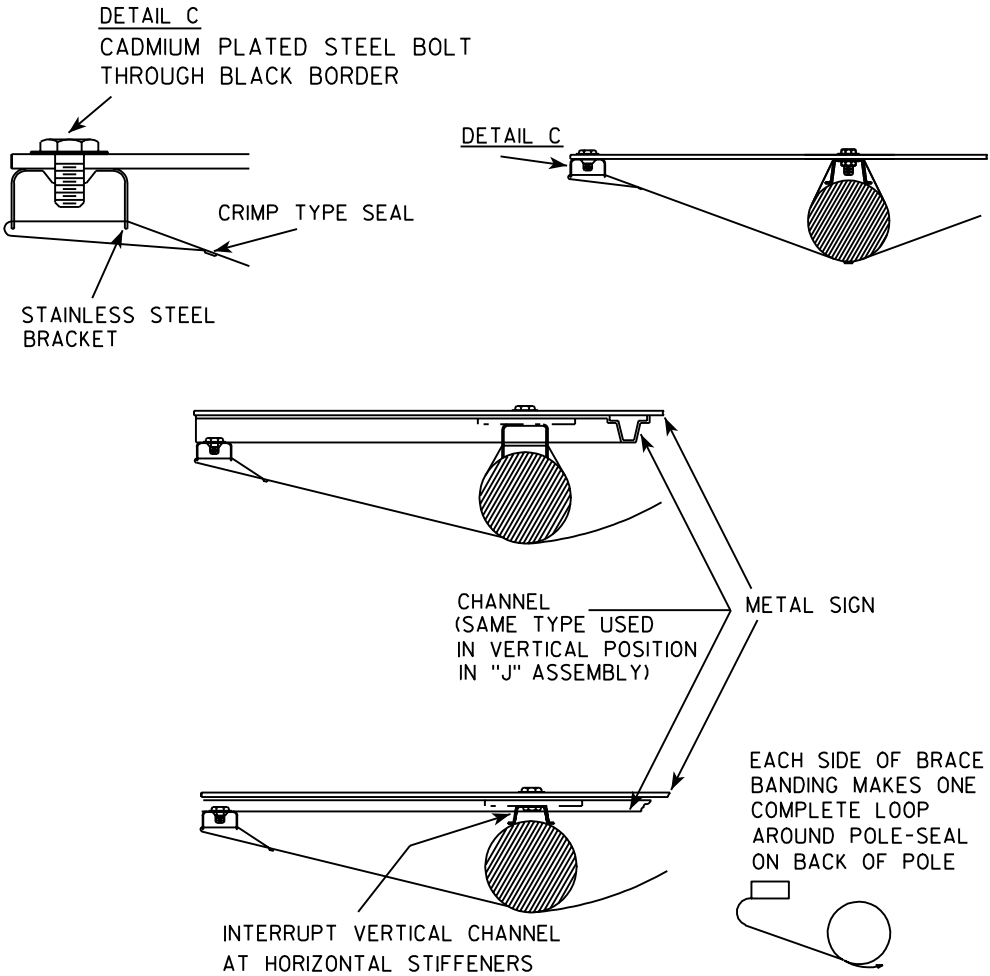


Washer Placement when Sign Has Other Than Type H or Type F Face

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 3/23/10	PLATE NO. A4-8.7

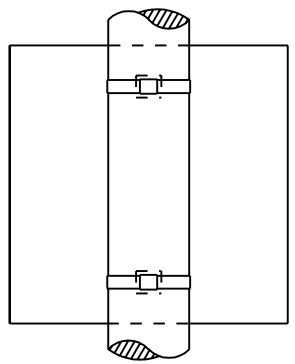
BRACE BANDING



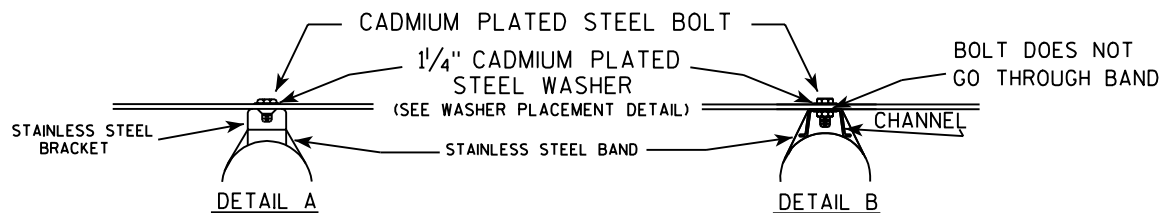
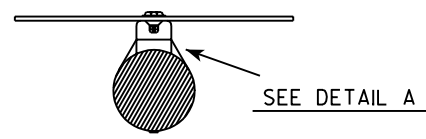
BRACE BANDING

BRACE BANDING SHALL BE TIGHTENED FIRMLY
BUT NOT SO TIGHT AS TO APPRECIABLY
CURVE FACE OF SIGN.

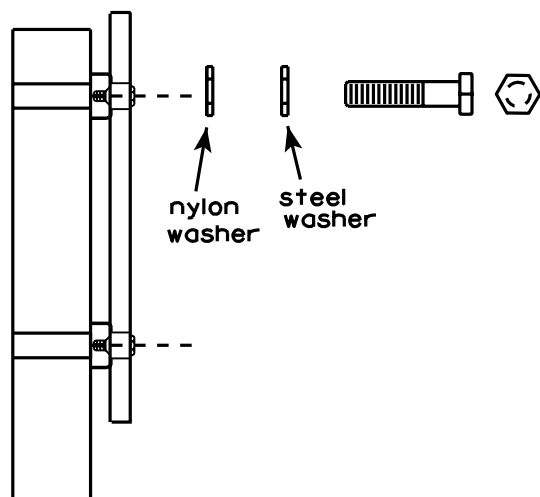
SINGLE SIGN



BRACKET BANDING

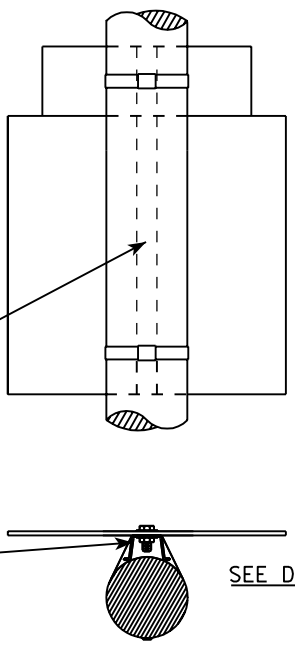


WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

"J" ASSEMBLY



SEE DETAIL B

GENERAL NOTES

1. Signs 4' or greater in width shall have one brace band installed at the center of the sign.
2. Signs 3' or greater in height shall have three bracket bands installed. Signs less than 3' in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

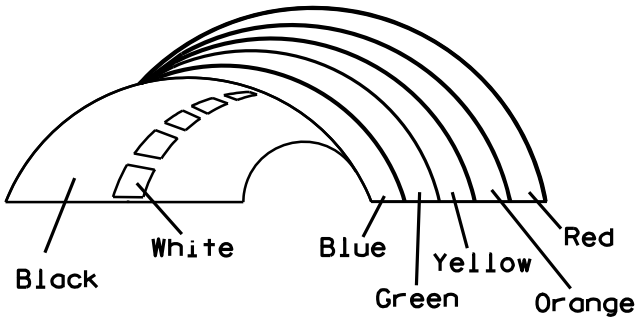
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 11/08/05 PLATE NO. A5-9.2



* VARIES

Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - (See Note 5)
3. Message Series - (See Note 6)
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Border - Blue
Line 1 - Red
Line 2 - Black
Line 3-5 - Blue
6. Line 1 - Dutch 8011L
Line 2 - Series E
Line 3-5 - Series C
7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	36	1 1/2	1/2	5/8	3	2	3 1/2	2 7/8	1	8	2 1/8	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2							7.5
3																											
4																											
5																											

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

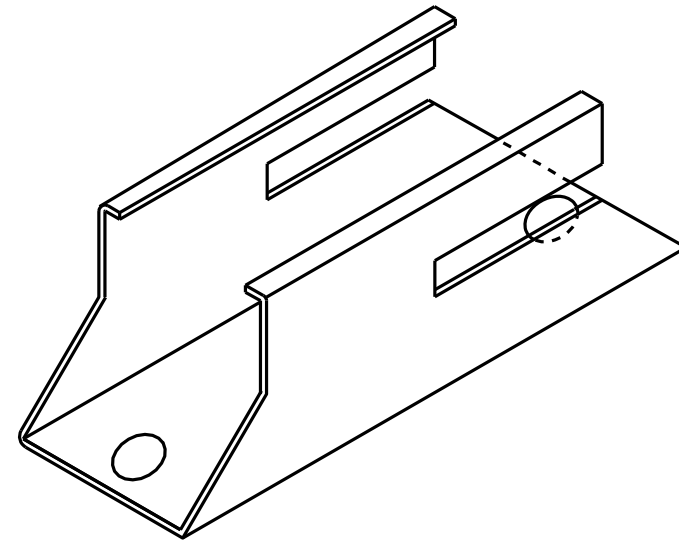
STANDARD SIGN
I55-56

WISCONSIN DEPT OF TRANSPORTATION

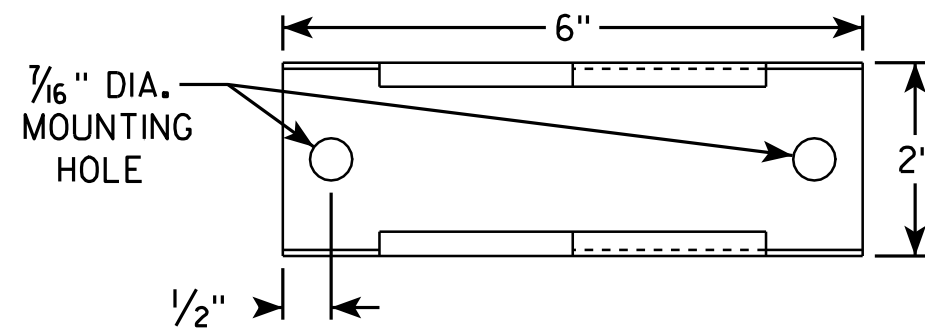
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 4/27/11 PLATE NO. I55-56.3

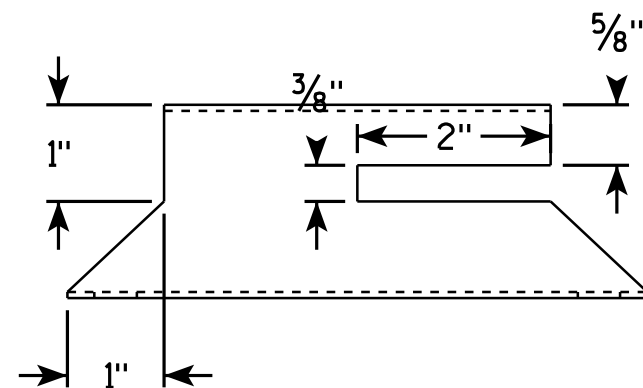
ISOMETRIC VIEW



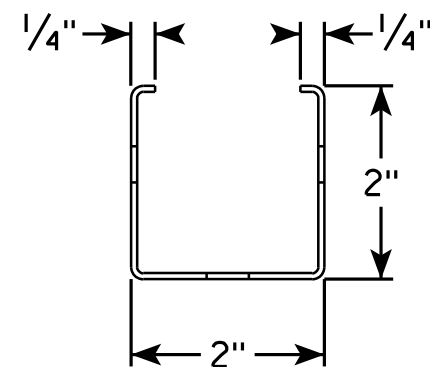
TOP VIEW



SIDE VIEW



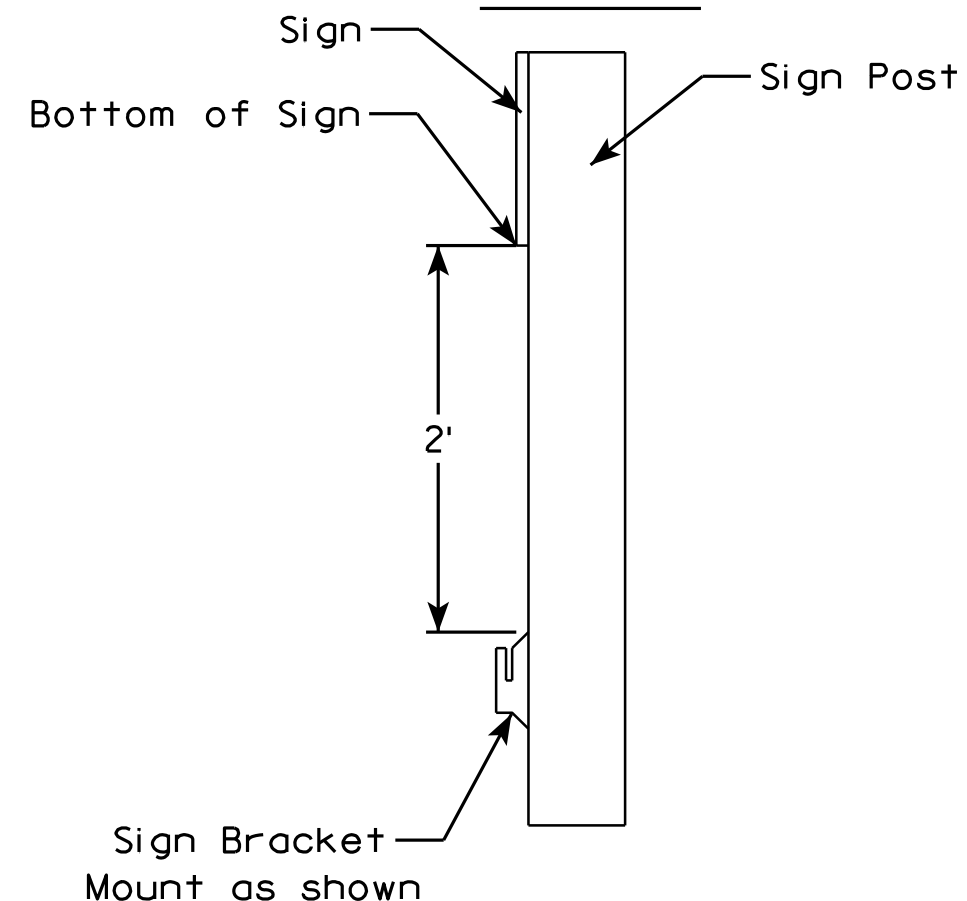
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 2/5/10 PLATE NO. I55-56B.1

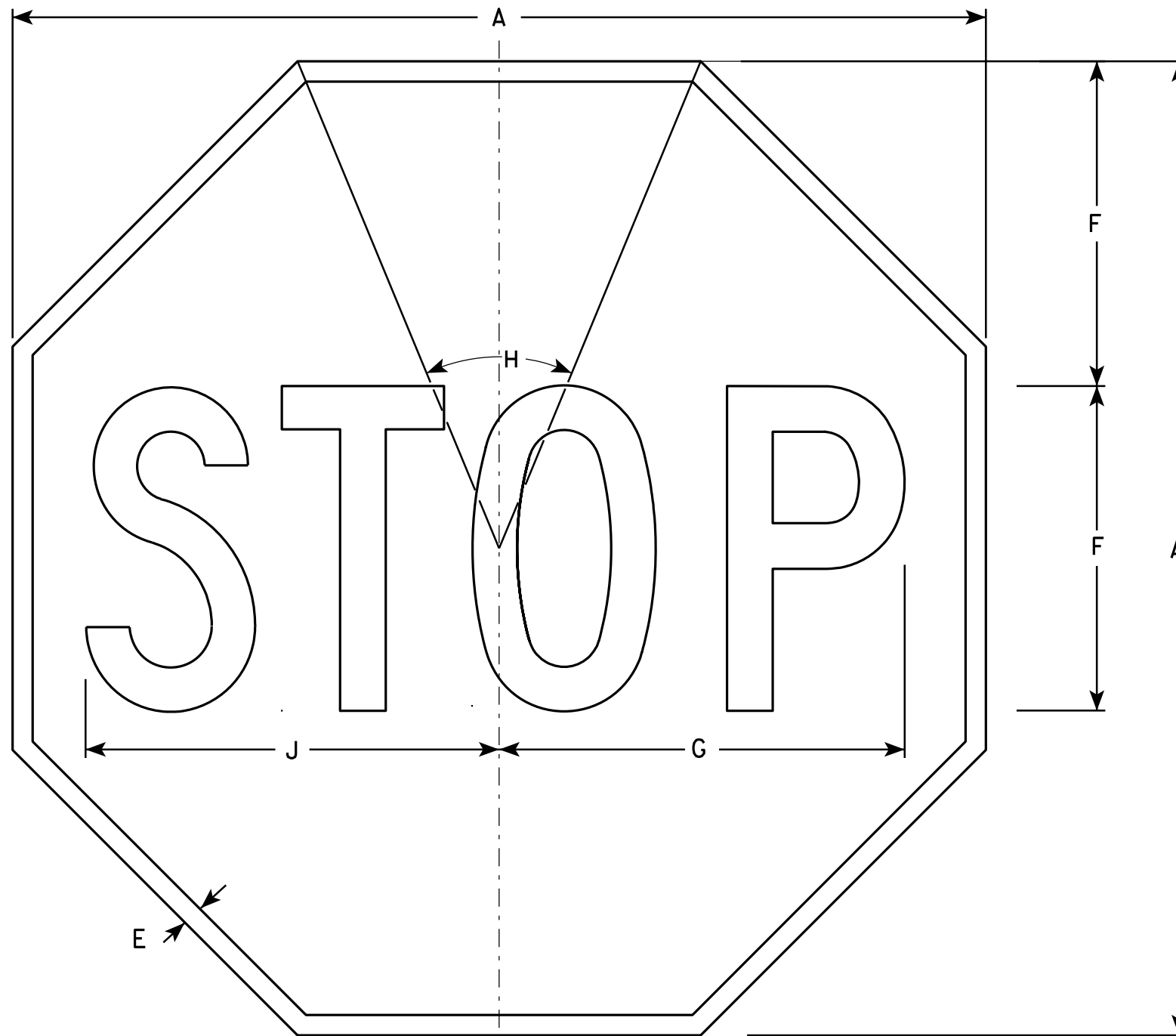
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Red
Message - White
3. Message Series - C

R1-1

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24				3/8	8	10	45°		10 1/4																	3.31
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

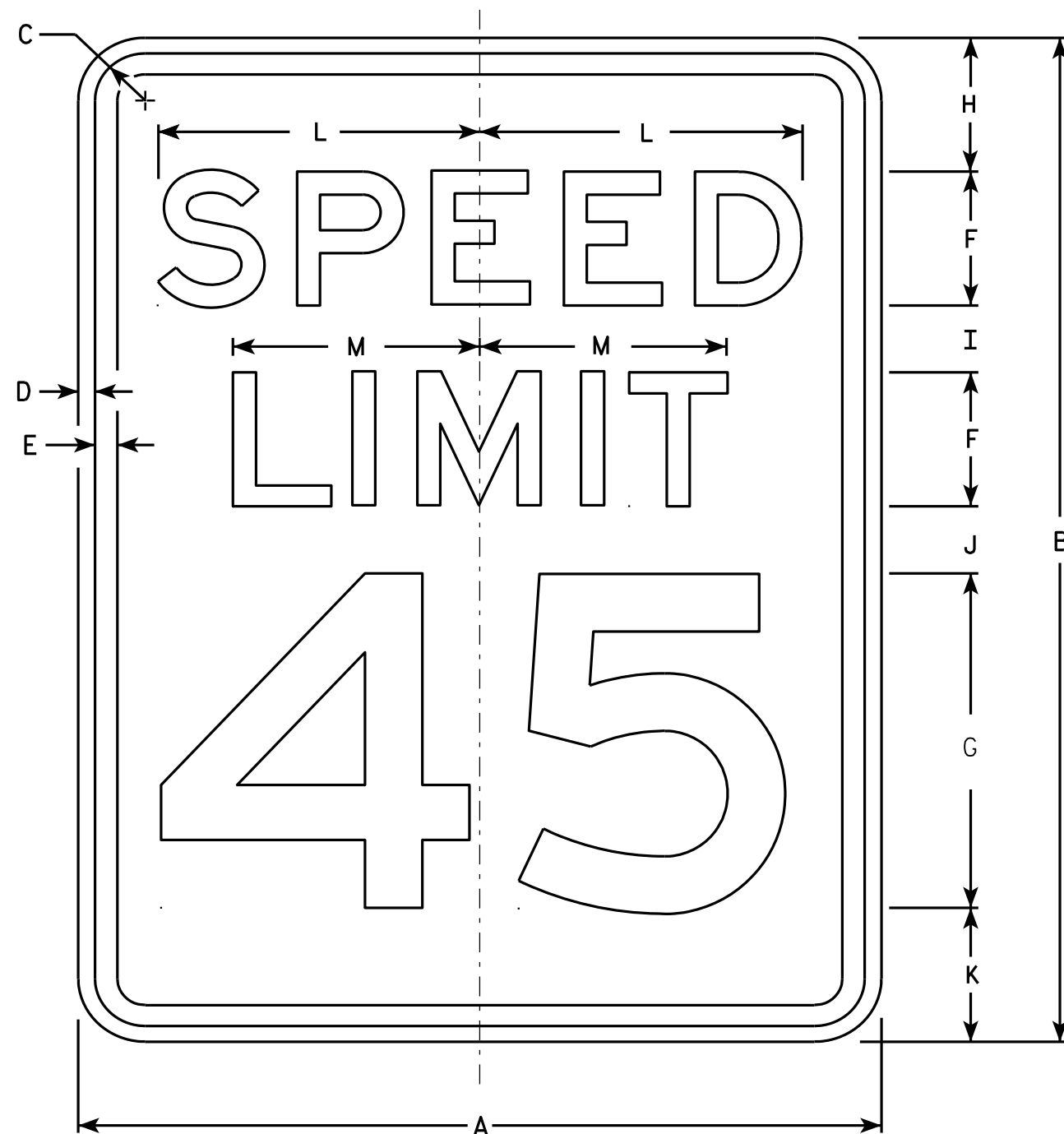
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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R2-1

NOTES

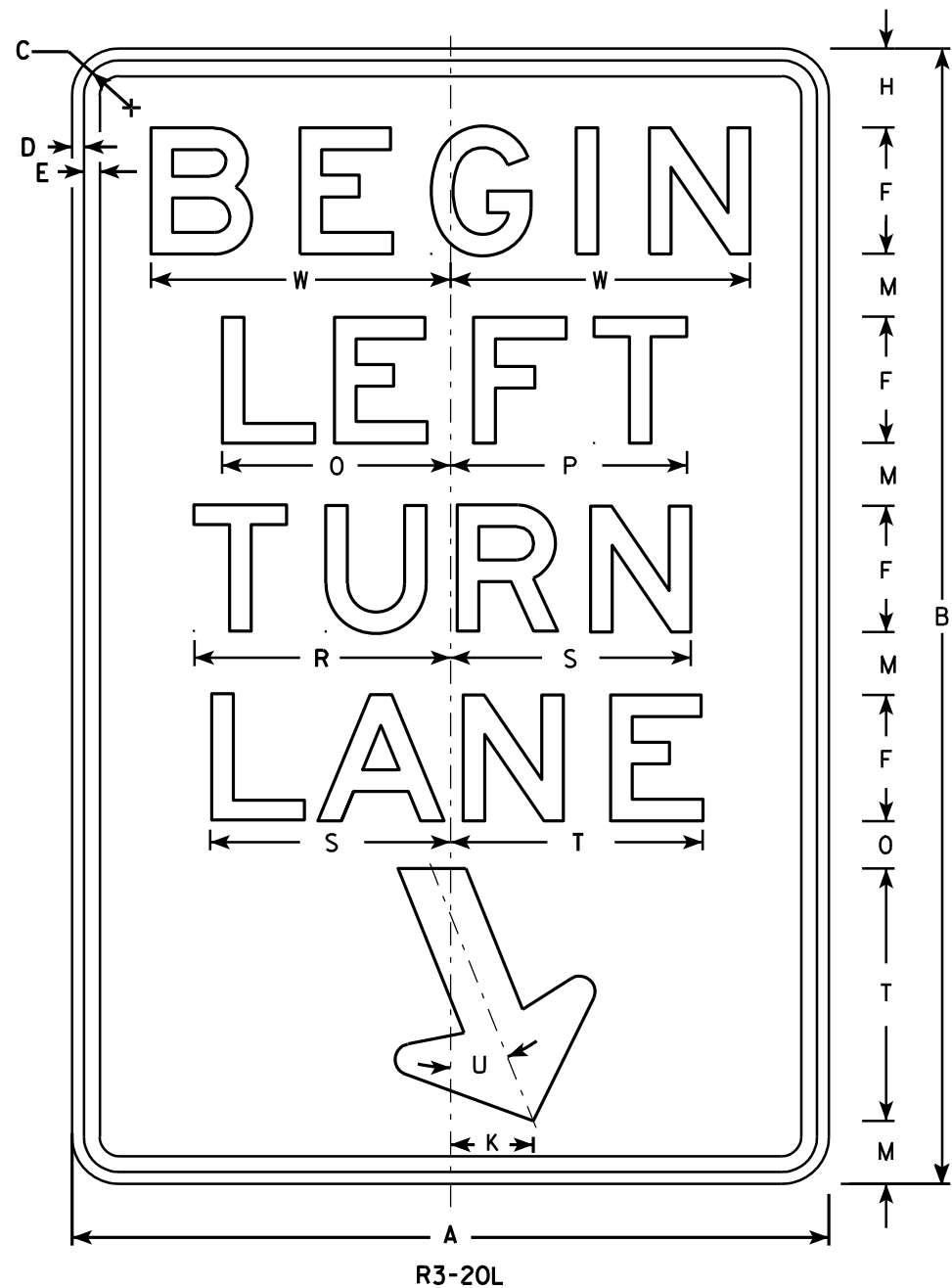
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN R2-1

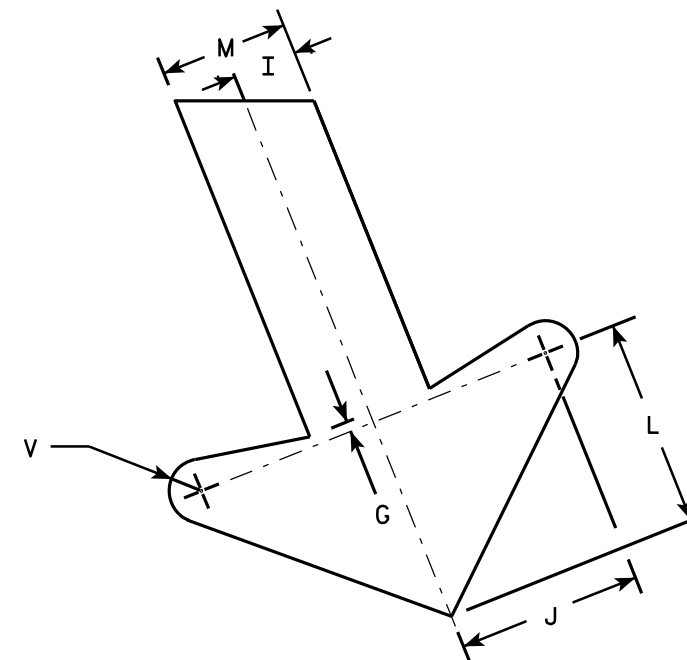
WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
For State Traffic Engineer
DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: HWY: COUNTY: SHEET NO: E



NOTES

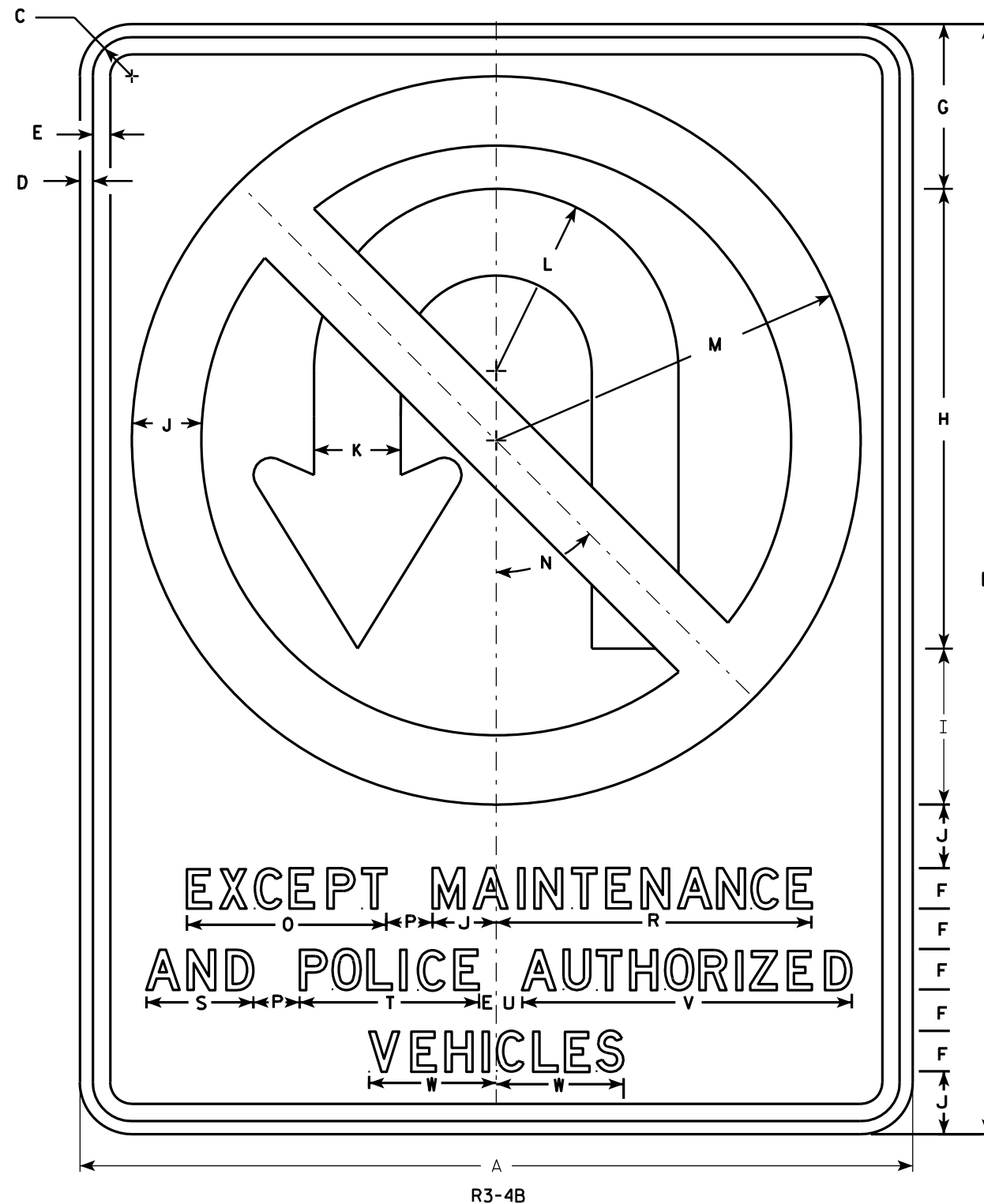
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

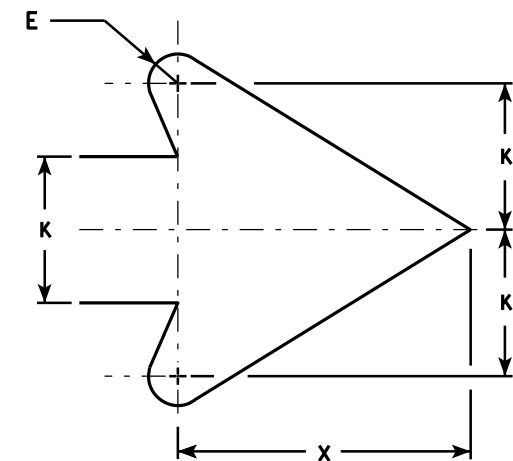
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

STANDARD SIGN R3-20L	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 10/18/10	PLATE NO. R3-20L.7



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S																											
2M																											
3																											
4	36	48	1 5⁄8	5⁄8	¾	1 ¾	7 1⁄8	19 7⁄8	6 ¾	2 ¾	3 ¾	7 7⁄8	15 ¾	45°	8 5⁄8	2		13 5⁄8	4 5⁄8	7 ¾	1 1⁄8	14 1⁄4	5 1⁄2	7 5⁄8			12.0
5	36	48	1 5⁄8	5⁄8	¾	1 ¾	7 1⁄8	19 7⁄8	6 ¾	2 ¾	3 ¾	7 7⁄8	15 ¾	45°	8 5⁄8	2		13 5⁄8	4 5⁄8	7 ¾	1 1⁄8	14 1⁄4	5 1⁄2	7 5⁄8			12.0

STANDARD SIGN R3-4B

WISCONSIN DEPT OF TRANSPORTATION

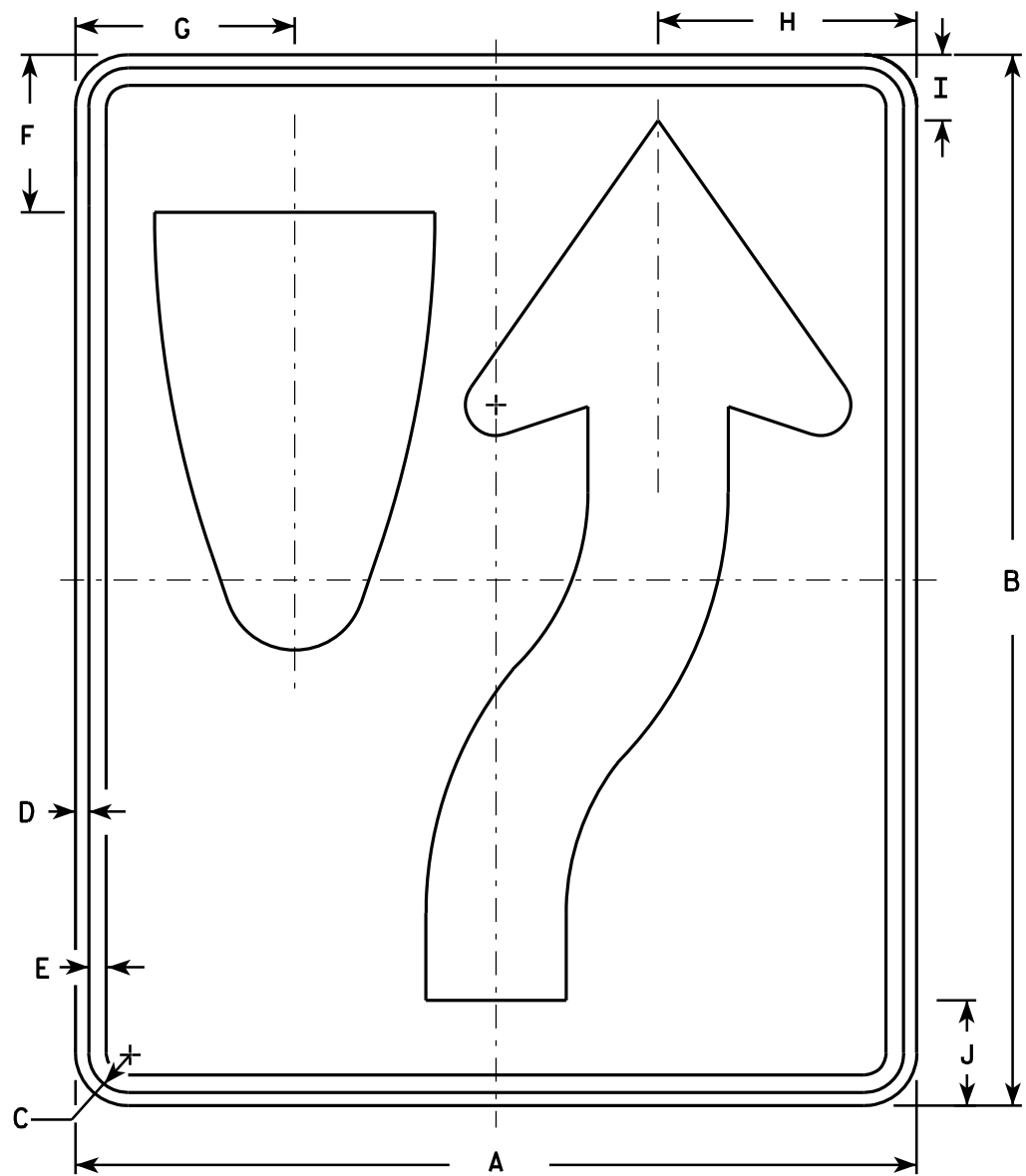
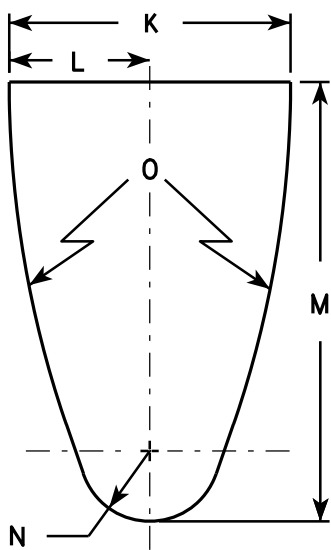
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/17/2011 PLATE NO. R3-4B.2

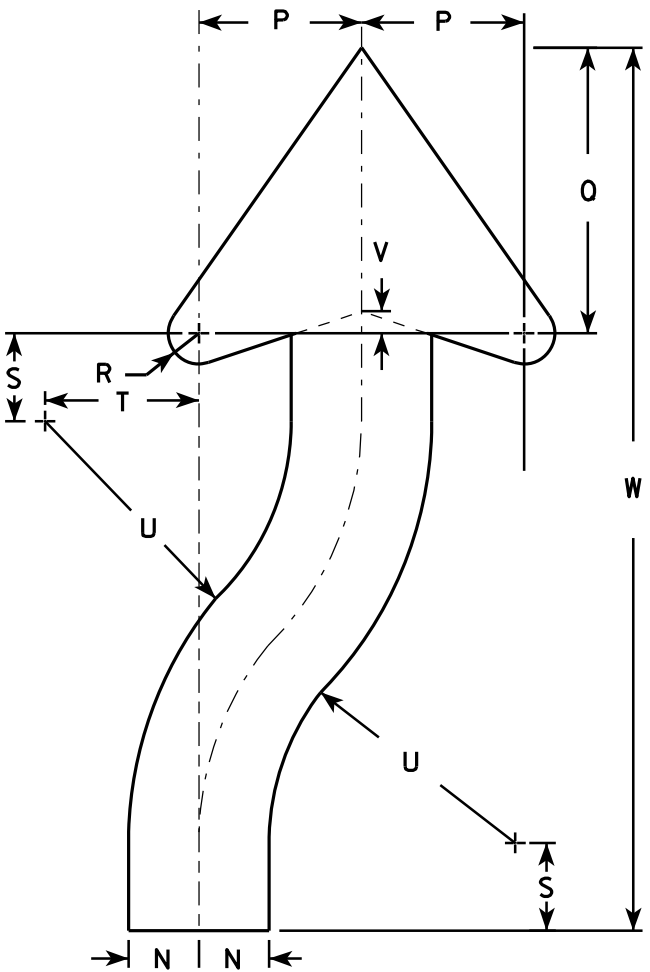
PROJECT NO: HWY: COUNTY: SHEET NO: E

NOTES

- 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
- 2. Color:
Background - White
Message - Black
- 3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
- 4. R4-8 is the same as R4-7 except Legend is reversed.



R4-7



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:

HWY:

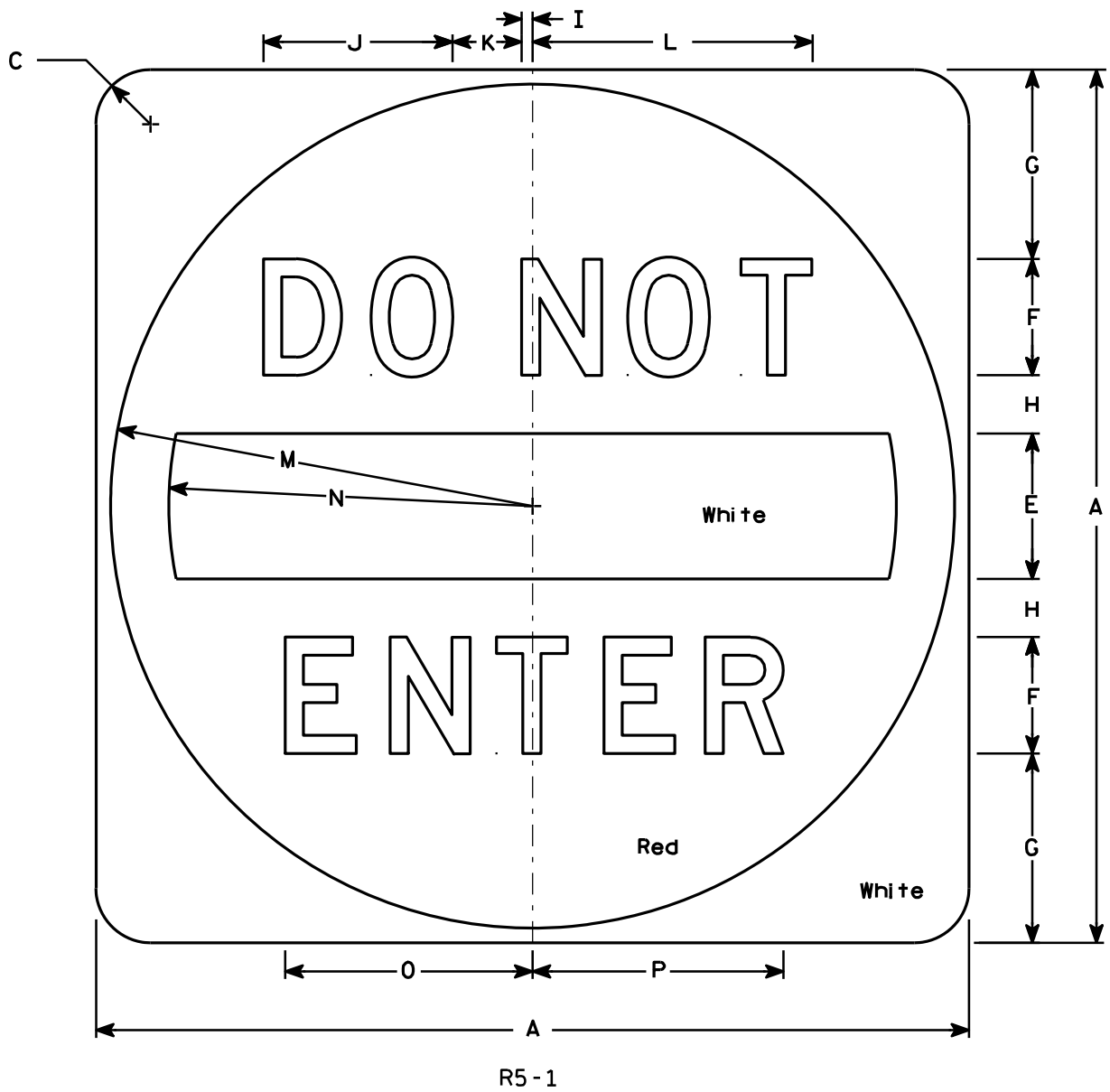
COUNTY:

SHEET NO:

E

NOTES

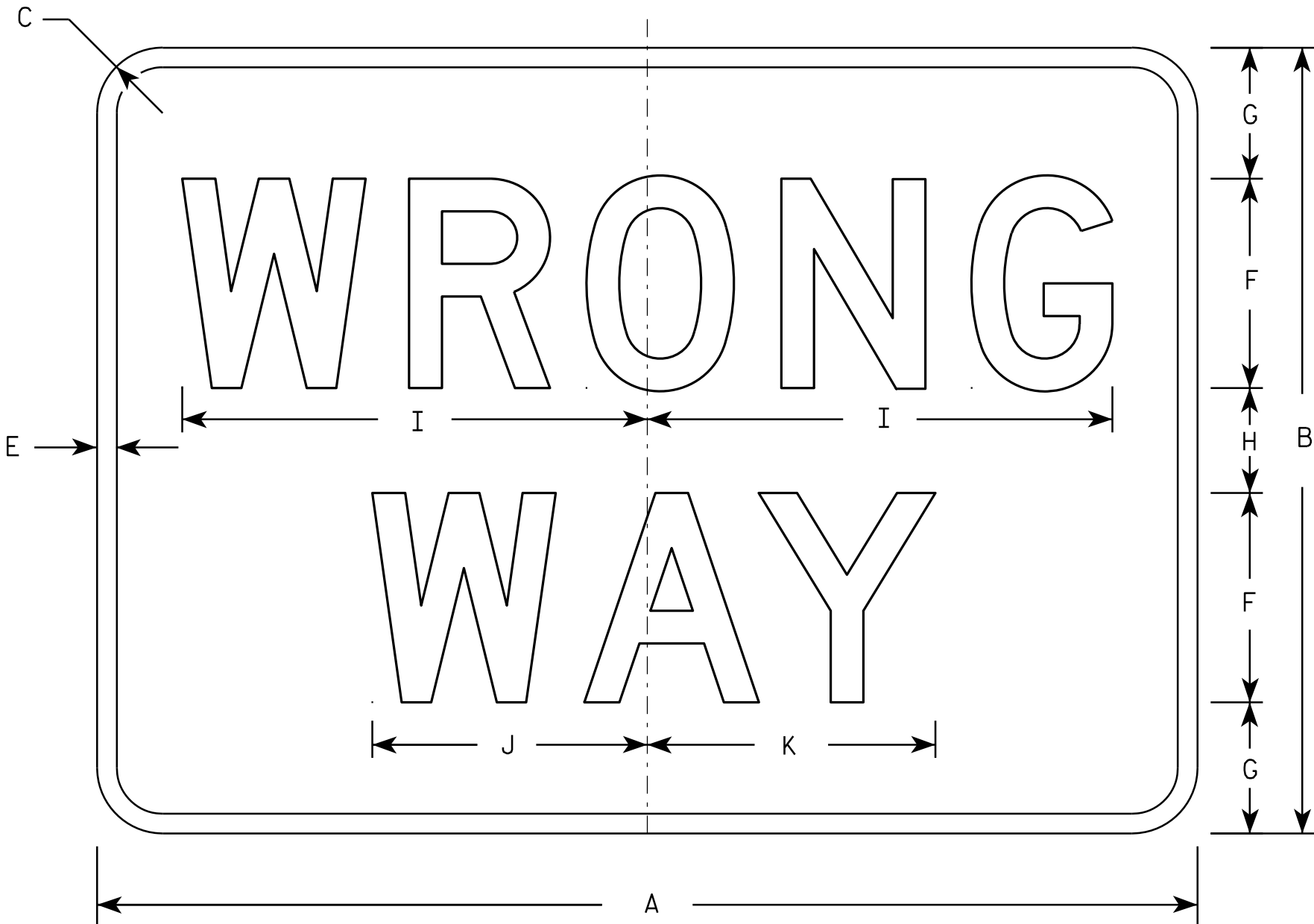
- 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
 - Background - See detail
 - Message - White - Type H Reflective
- 3. Message Series - D
- 4. Corners may be square or rounded when base material is plywood but when base material is metal, the corners shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7⁄8		5	4	6 1⁄2	2	3⁄8	6 1⁄2	2 3⁄8	9 5⁄8	14 1⁄2	12 1⁄2	8 1⁄2	8 5⁄8											6.26
2M	36		2 1⁄4		6	5	7 1⁄2	2 1⁄2	1⁄2	8 1⁄8	3	12 1⁄8	17 1⁄2	15	10 5⁄8	10 3⁄4											9.0
3	36		2 1⁄4		6	5	7 1⁄2	2 1⁄2	1⁄2	8 1⁄8	3	12 1⁄8	17 1⁄2	15	10 5⁄8	10 3⁄4											9.0
4	36		2 1⁄4		6	5	7 1⁄2	2 1⁄2	1⁄2	8 1⁄8	3	12 1⁄8	17 1⁄2	15	10 5⁄8	10 3⁄4											9.0
5	48		3		8	6	11	3	5⁄8	9 3⁄4	3 5⁄8	14 1⁄2	23 1⁄2	20	12 3⁄4	12 7⁄8											16.0

STANDARD SIGN	
R5 - 1	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 12/17/10	PLATE NO. R5-1.15

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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R5-1A

NOTES

- 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
 - Background - Red
 - Message - White
- 3. Message Series - D
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

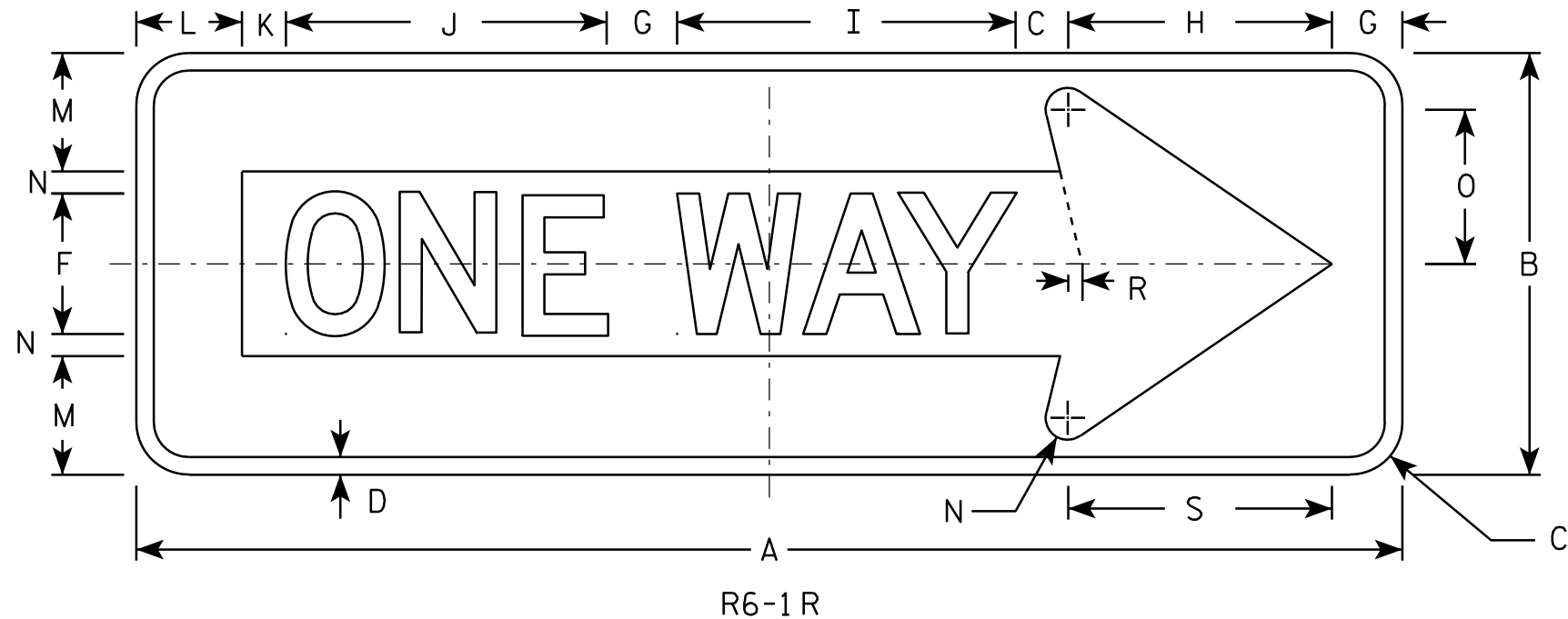
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

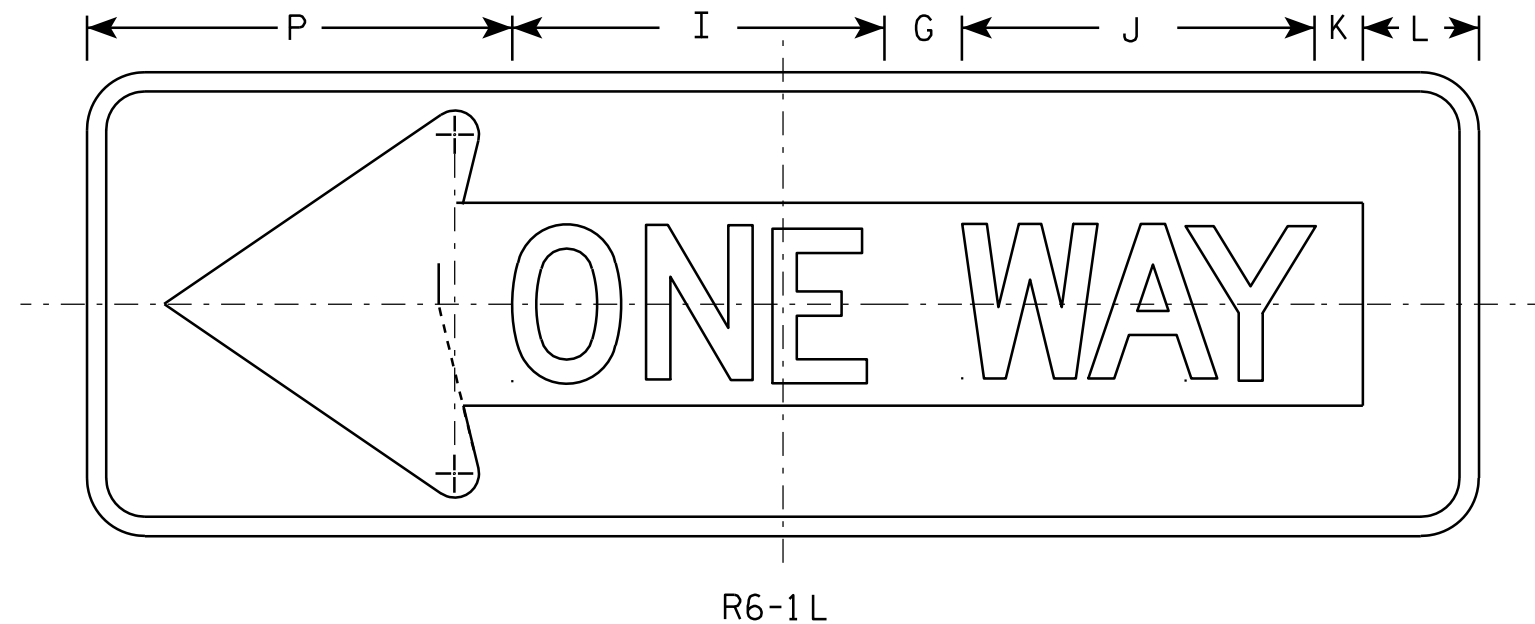
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - BLACK
Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 5/8	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 5/8	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	14 1/2	13 5/8	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

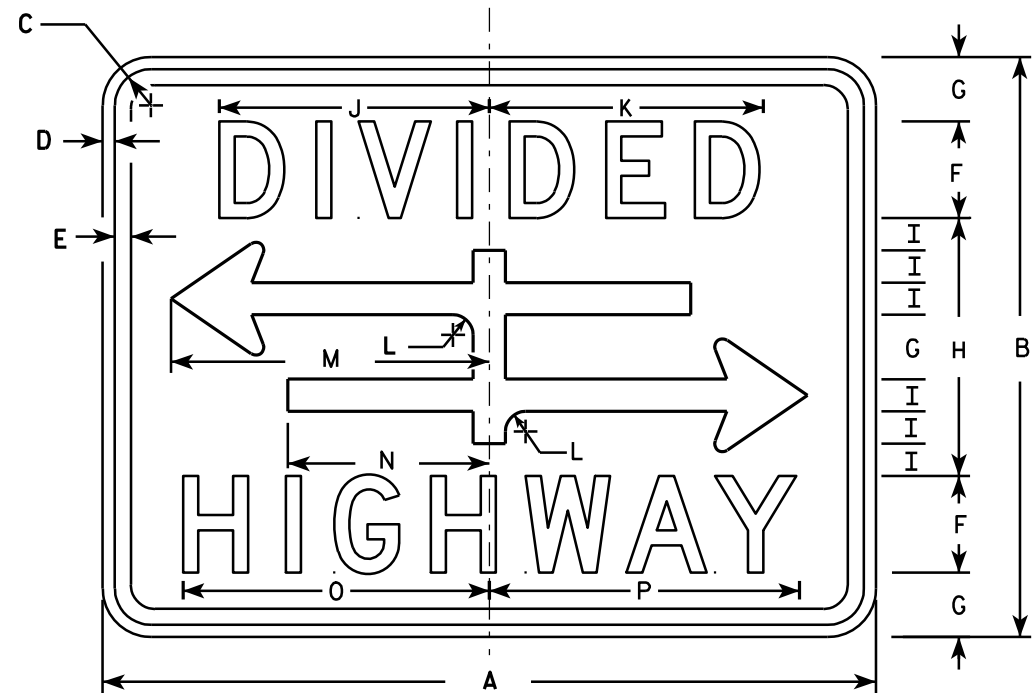
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 12/17/10 PLATE NO. R6-1.2

PROJECT NO:

SHEET NO:

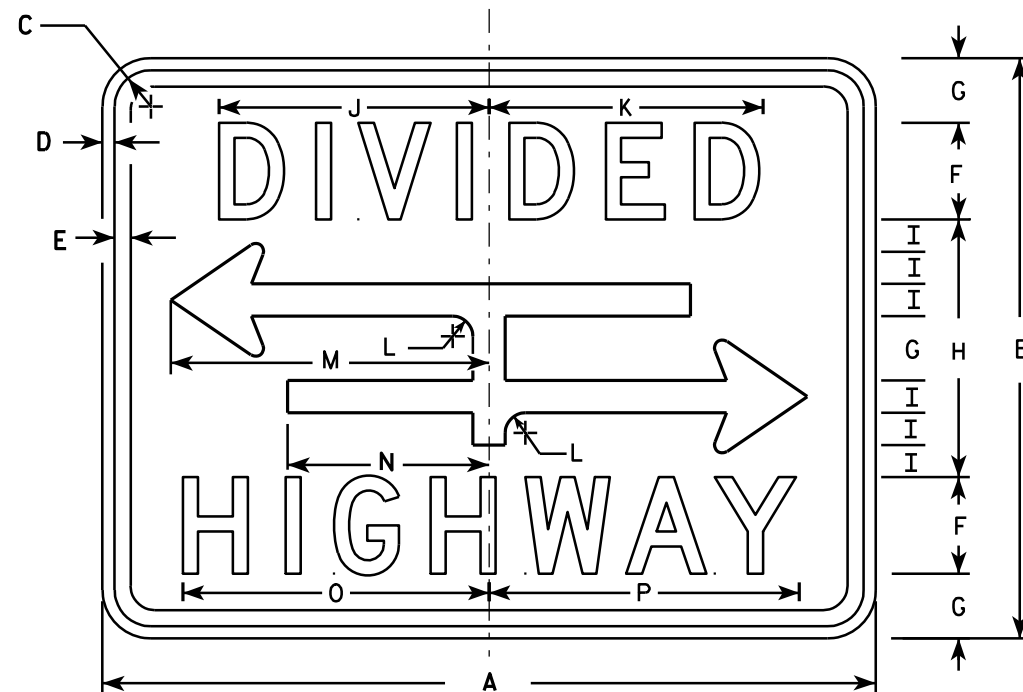
E



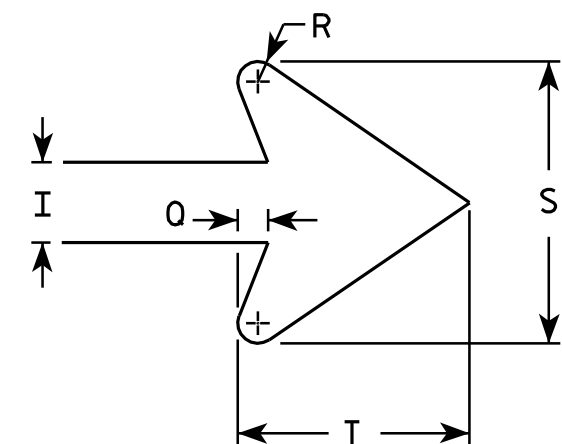
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN R6-3 & R6-3A

WISCONSIN DEPT OF TRANSPORTATION

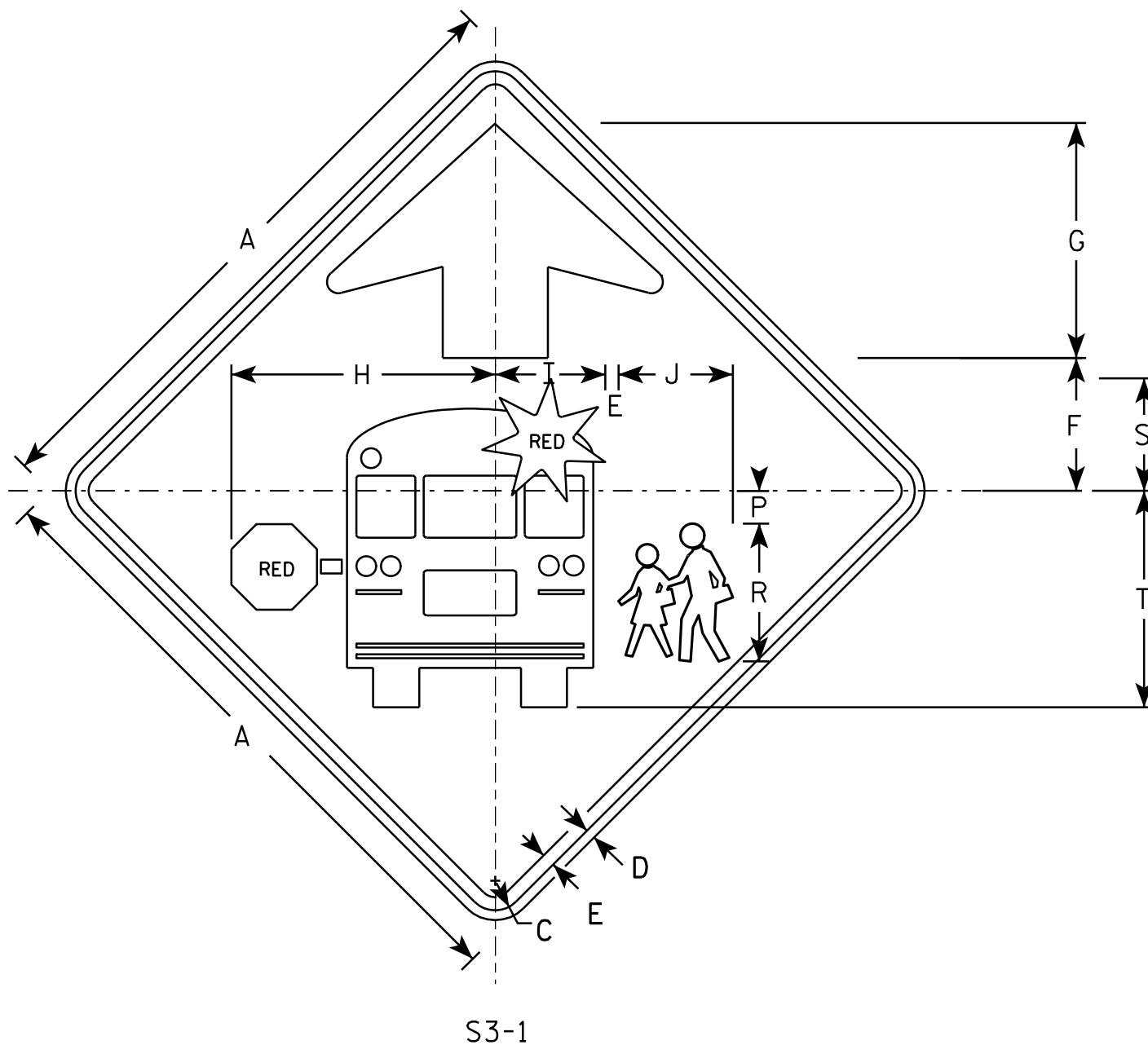
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

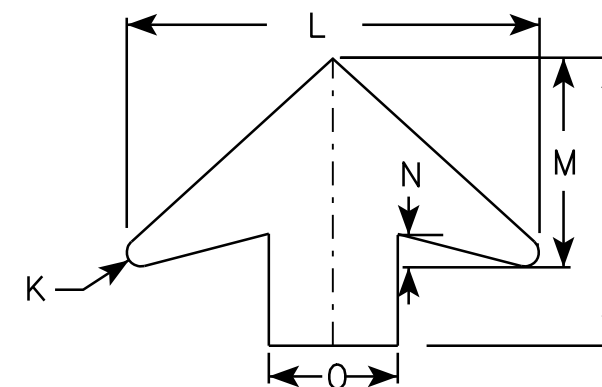
SHEET NO:

E

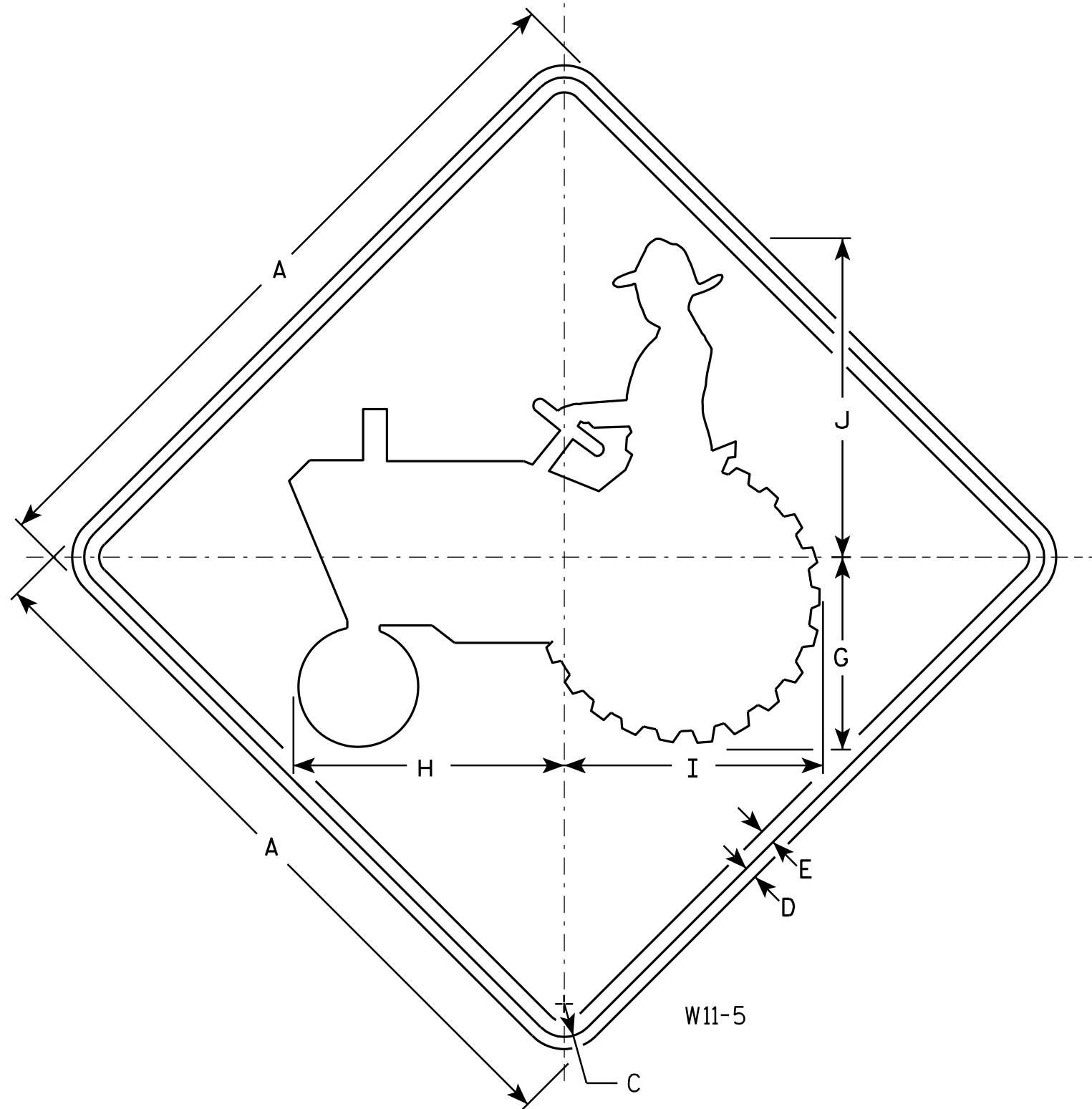


NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
 - Background - YELLOW-GREEN
 - Message - BLACK except as noted
 - Circles except PEDS- RED BACKGROUND
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

[illegible]

STANDARD SIGN	
S3-1	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<u>Matthew R. Rauch</u> for State Traffic Engineer
DATE <u>6/8/10</u>	PLATE NO. <u>S3-16</u>



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

W11-5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		6 3/8	9	8 5/8	10 5/8																	4.0
2S	30		1 3/8	1/2	5/8		8	11 1/4	10 3/4	13 1/4																	6.25
2M	30		1 3/8	1/2	5/8		8	11 1/4	10 3/4	13 1/4																	6.25
3																											
4	36		1 5/8	5/8	3/4		9 5/8	13 1/2	12 7/8	16																	9.0
5	48		2 1/4	3/4	1		12 3/4	18	17 1/4	21 1/8																	16.0

STANDARD SIGN

W11-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
State Traffic Engineer

DATE 3/16/11 PLATE NO. W11-5.5

PROJECT NO:

HWY:

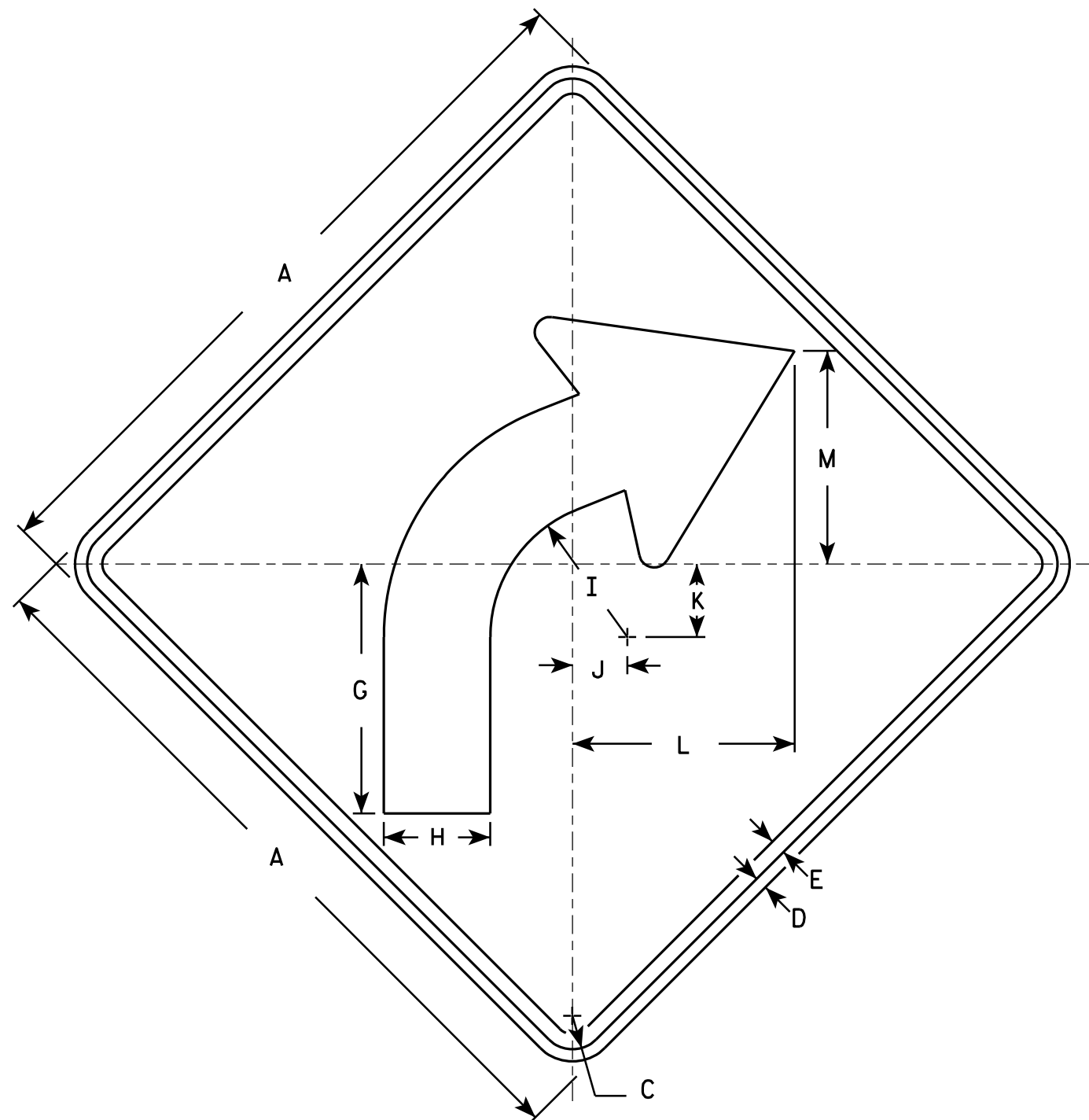
COUNTY:

SHEET NO:

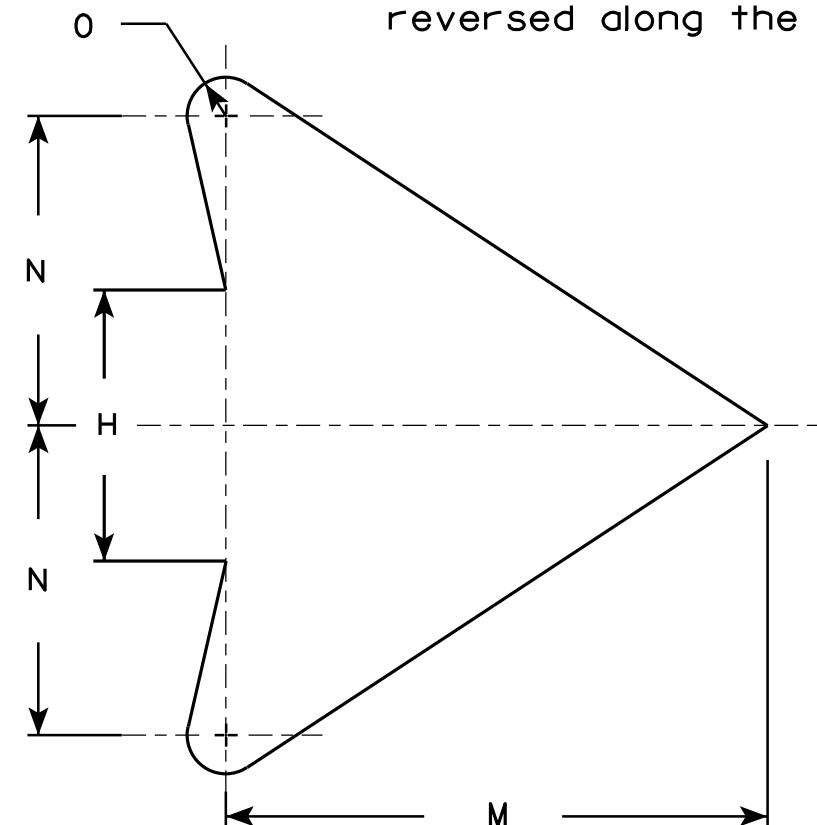
E

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

STANDARD SIGN W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10

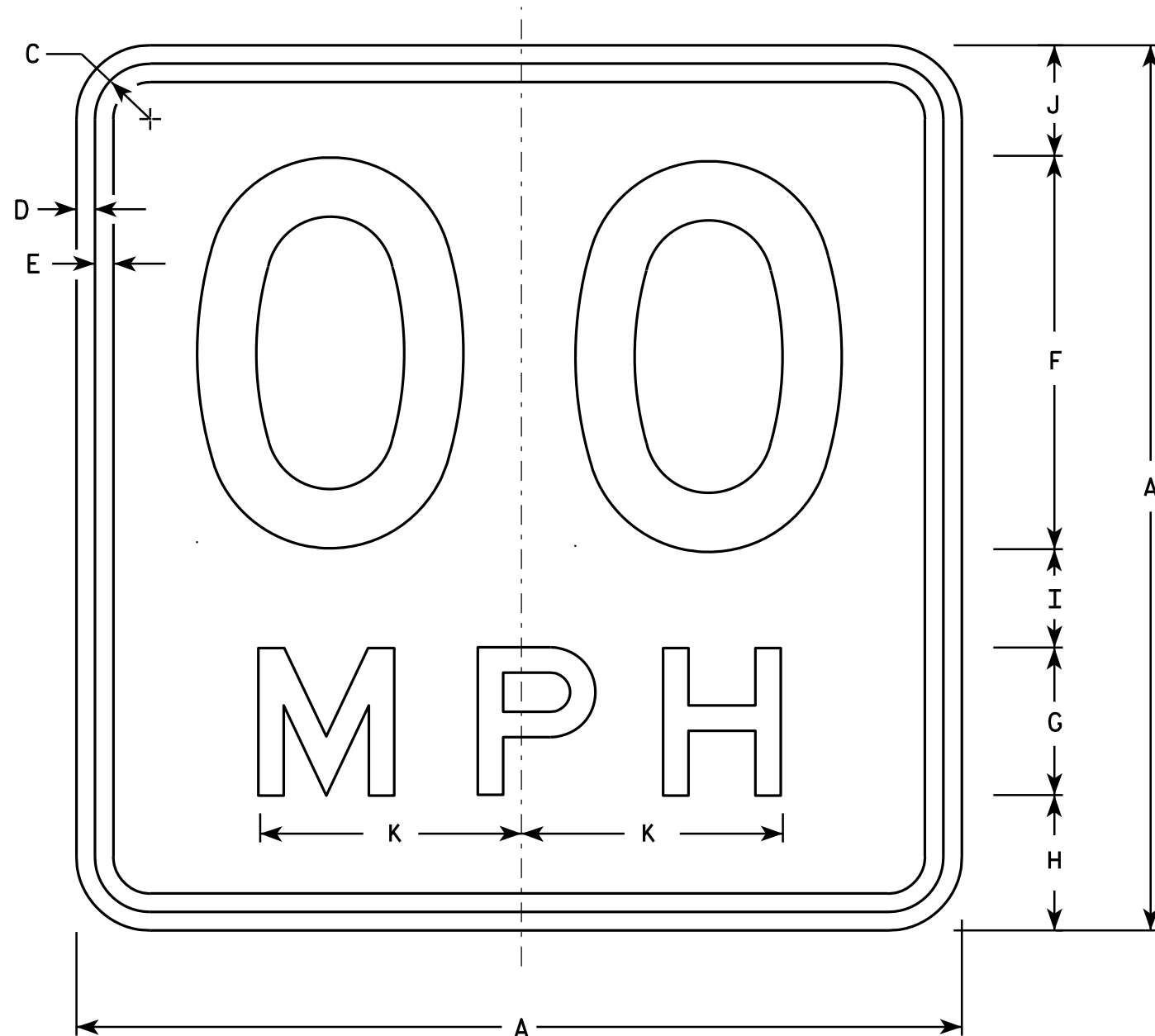
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
Line 2 is Series E

W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
* 2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN

W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO:

HWY:

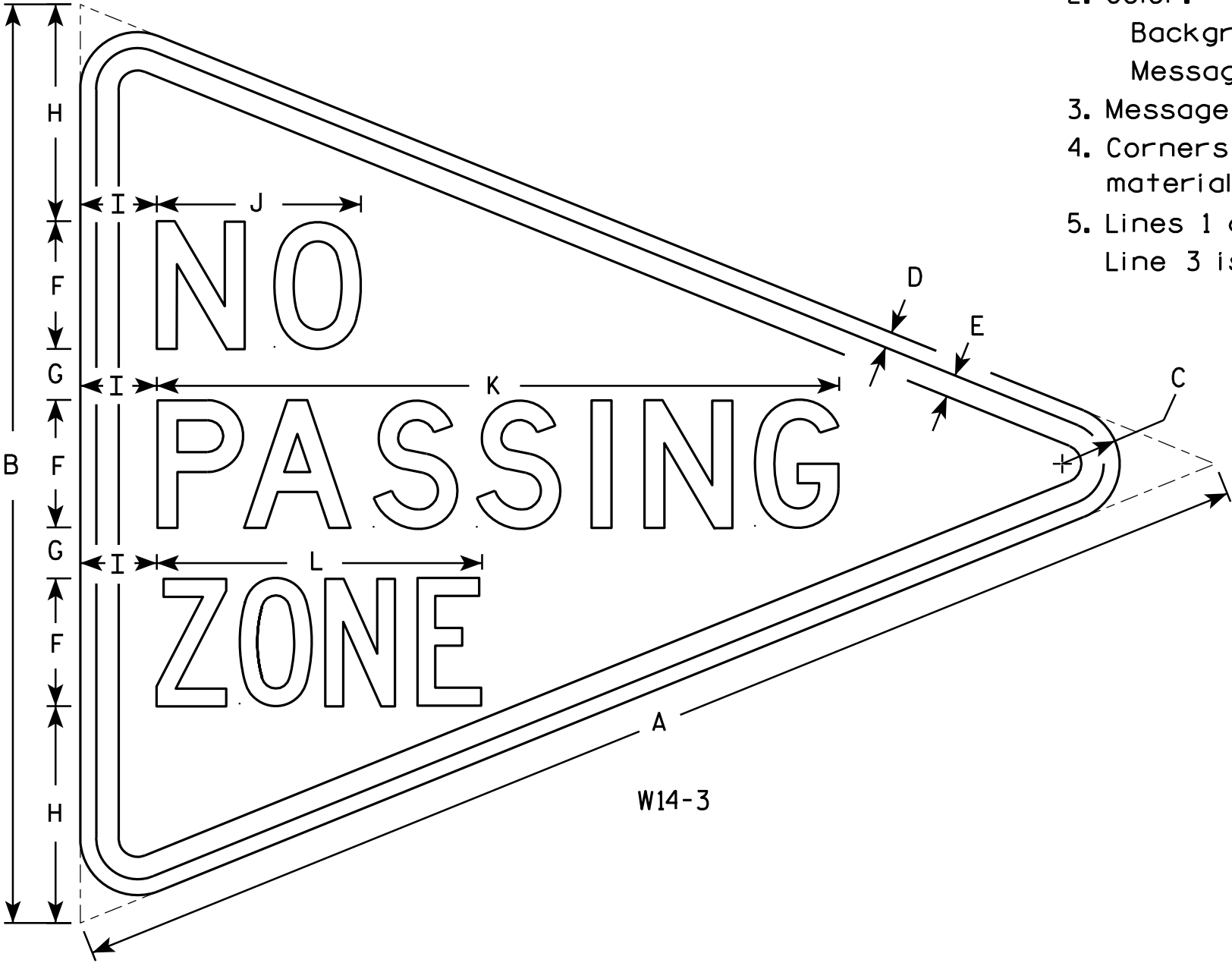
COUNTY:

SHEET NO:

E

NOTES

- 1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Yellow
Message - Black
- 3. Message Series - See note 5
- 4. Corners and borders shall be rounded on all base materials for this sign.
- 5. Lines 1 and 2 are Series D.
Line 3 is series C.



W14-3

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
2M	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
3	64	48	3	3/4	1 1/4	6	3	12	4	10 3/4	33 5/8	16 1/2															10.7
4																											
5																											

STANDARD SIGN
W14-3

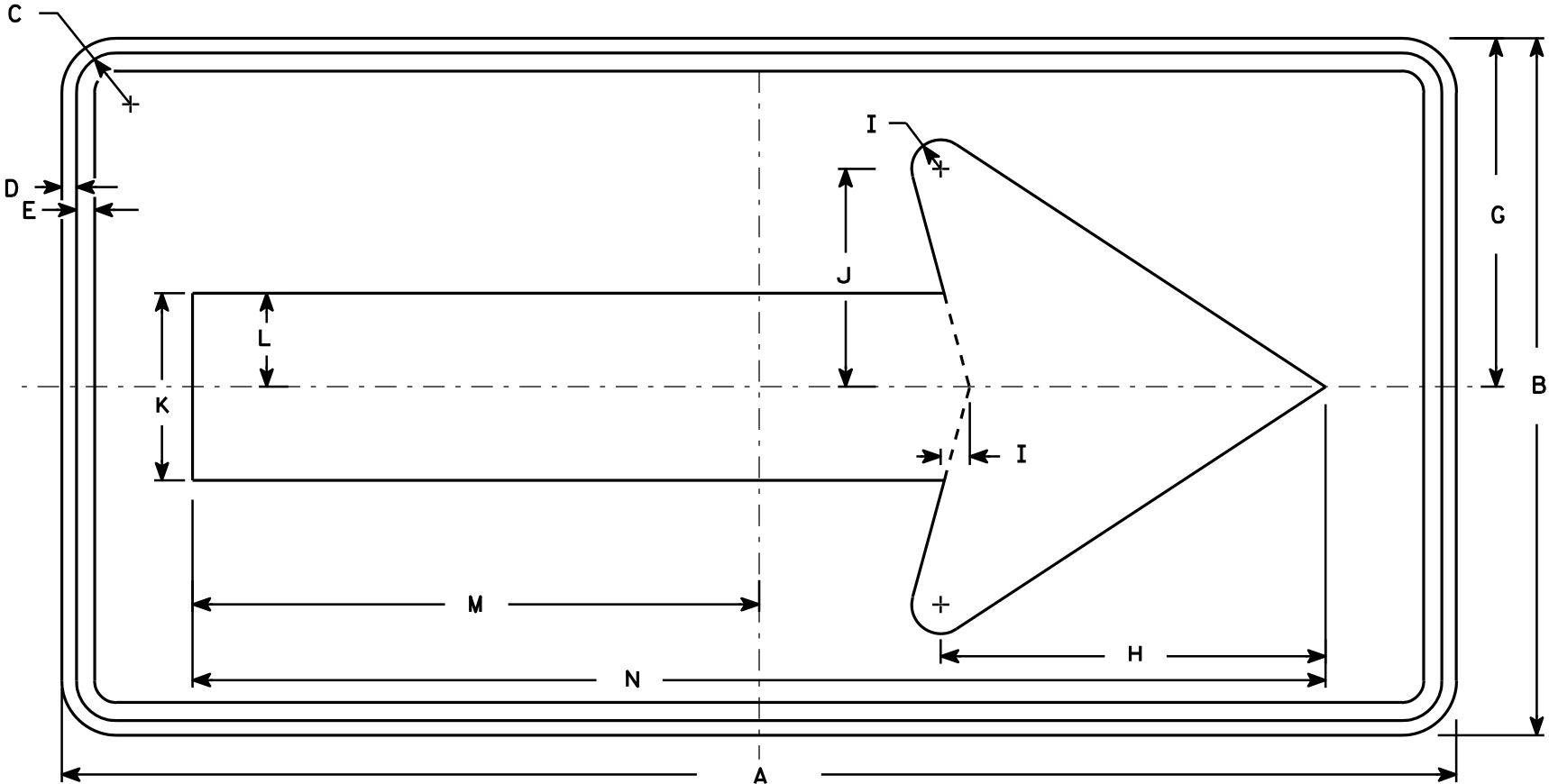
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 6/7/10 PLATE NO. W14-3.9

NOTES

- 1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Yellow
Message - Black
- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W1-6

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

STANDARD SIGN

W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

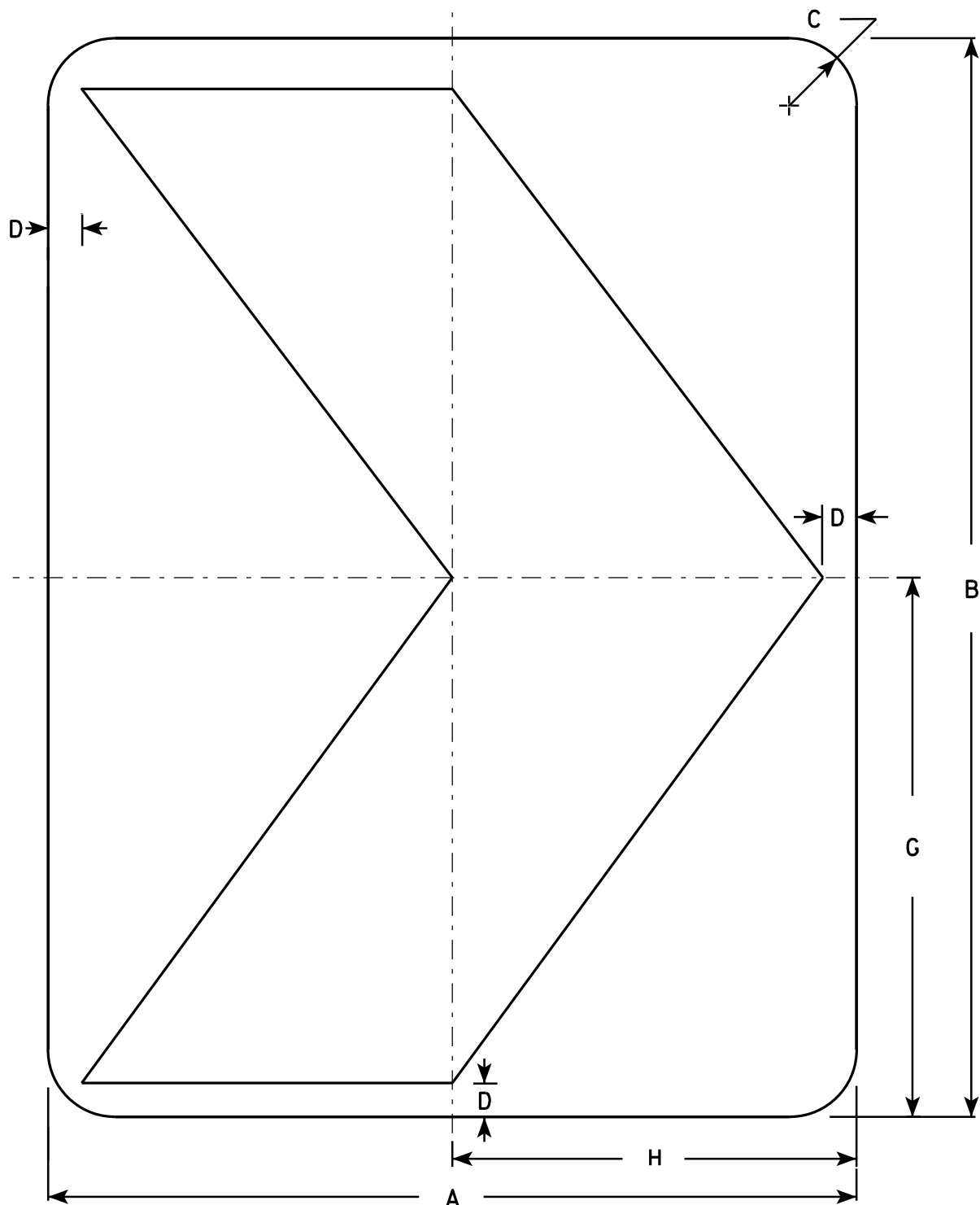
DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO:

HWY:

COUNTY:

SHEET NO:



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

W1-8

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/2	1/2			9	6																			1.5
2S	18	24	1 1/2	3/4			12	9																			3.0
2M	18	24	1 1/2	3/4			12	9																			3.0
3	24	30	1 1/2	1			15	12																			5.0
4	30	36	1 7/8	1 1/4			18	15																			7.5
5	36	48	2 1/4	1 1/2			24	18																			12.0

STANDARD SIGN

W1-8

WISCONSIN DEPT OF TRANSPORTATION

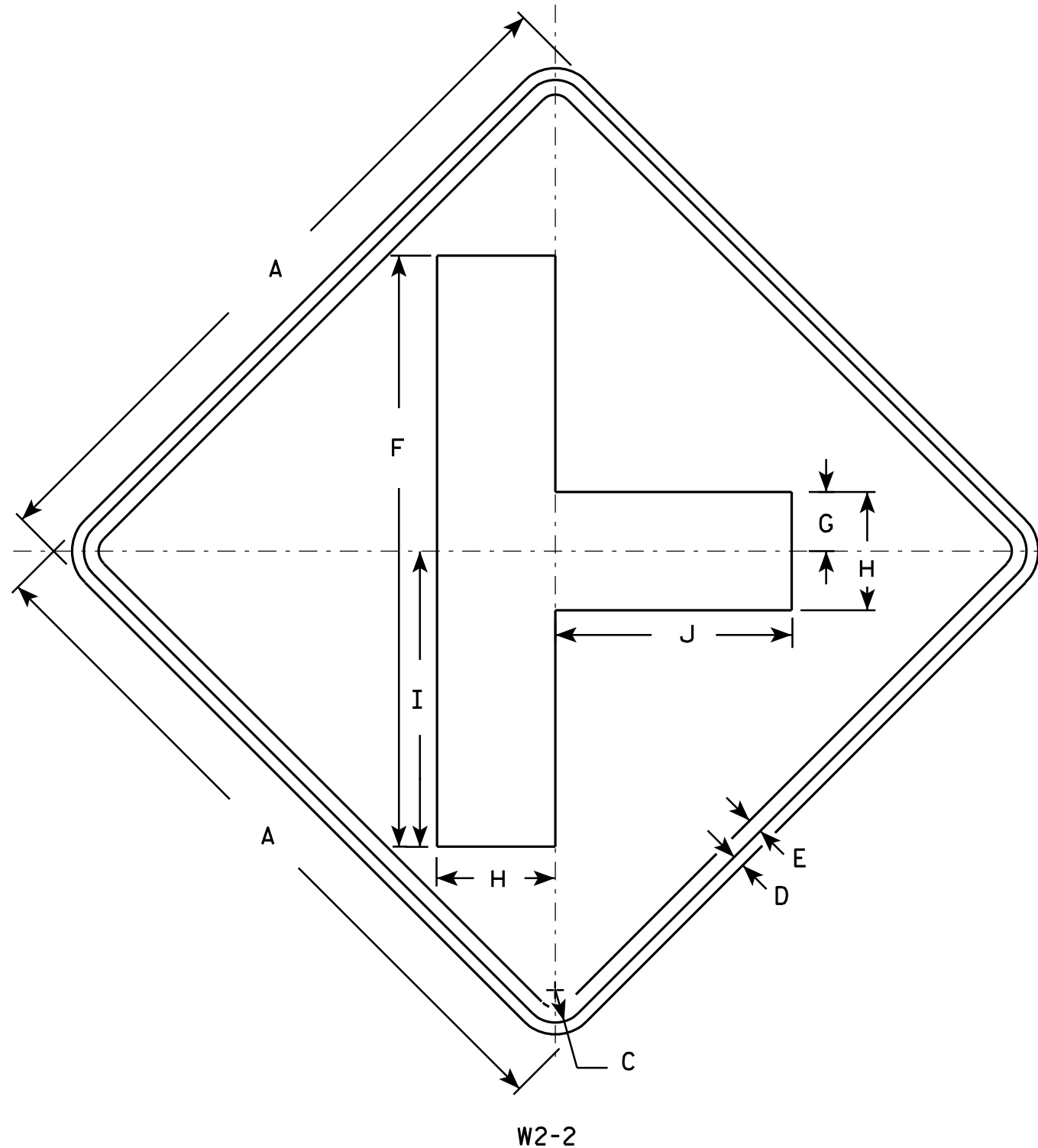
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-8.6

PROJECT NO:

SHEET NO:

E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	20	2	4	10	8																	4.0
2S	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
2M	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
3	36		1 5/8	5/8	3/4	30	3	6	15	12																	9.0
4	48		2 1/4	3/4	1	40	4	8	20	16																	16.0
5																											

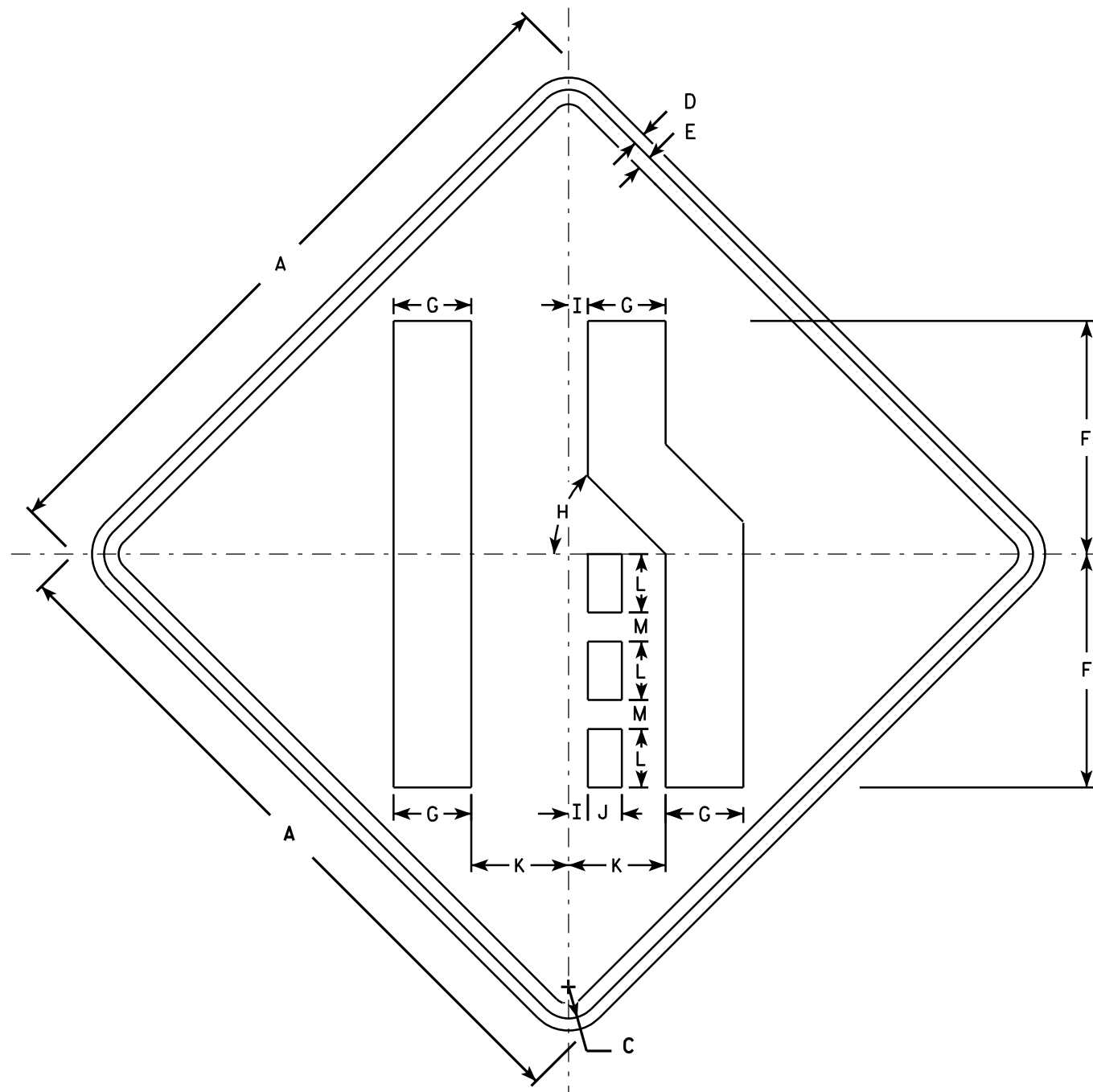
STANDARD SIGN W2-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W2-2.6

PROJECT NO: HWY: COUNTY: SHEET NO: E



W4-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-2L is the same as W4-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN W4-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

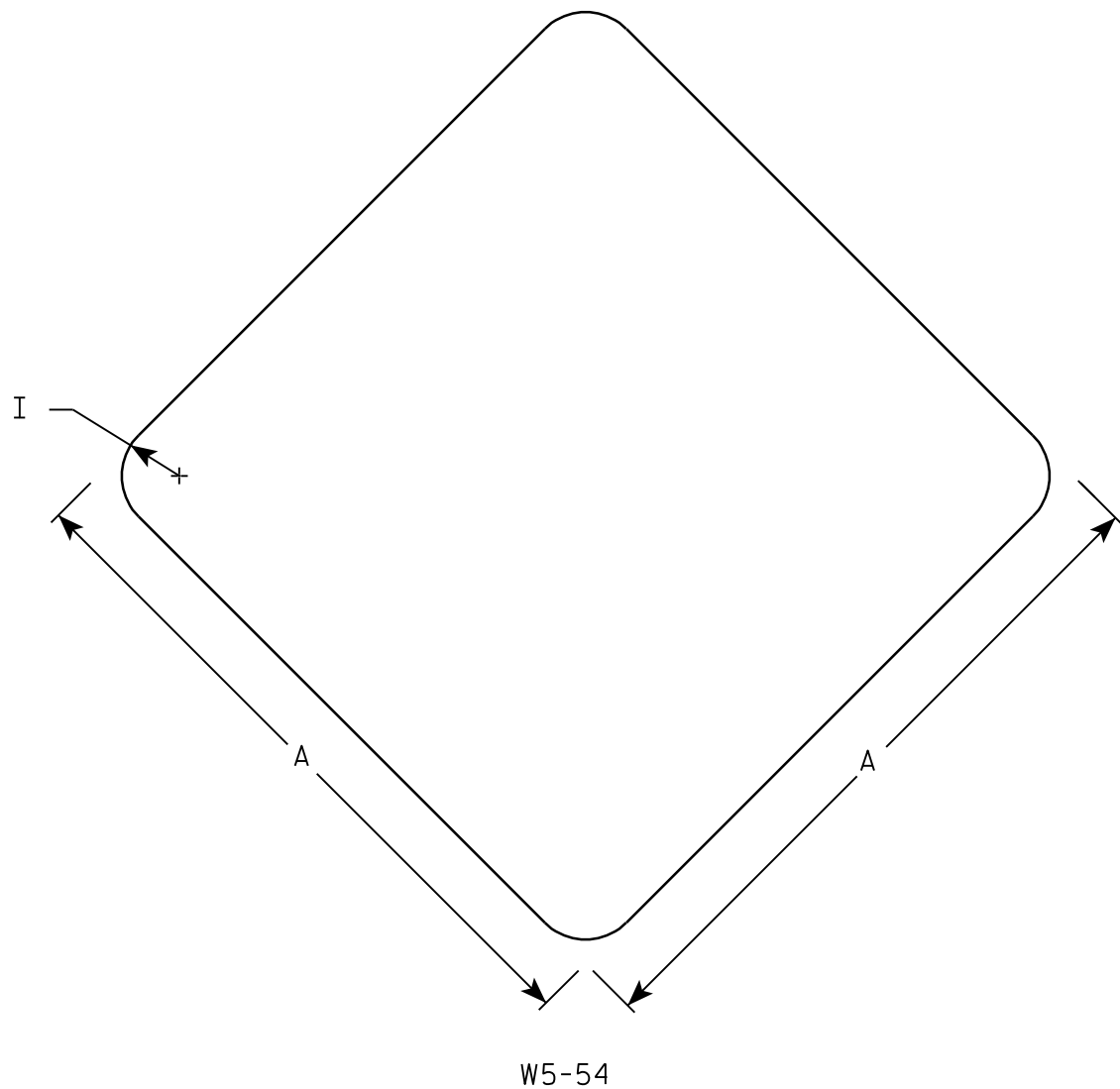
DATE 2/29/2012 PLATE NO. W4-2.13

PROJECT NO:

SHEET NO:

E

7



NOTES

- 1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Yellow
- 3. Corners may be square or rounded when base material is plywood. When base material is metal the corners shall be rounded.

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	v	W	X	Y	Z	Area sq. ft.
1	12								1																		1.0
2S	18								1 1/2																		2.25
2M	18								1 1/2																		2.25
3																											
4																											
5																											

STANDARD SIGN

W5-54

WISCONSIN DEPT OF TRANSPORTATION

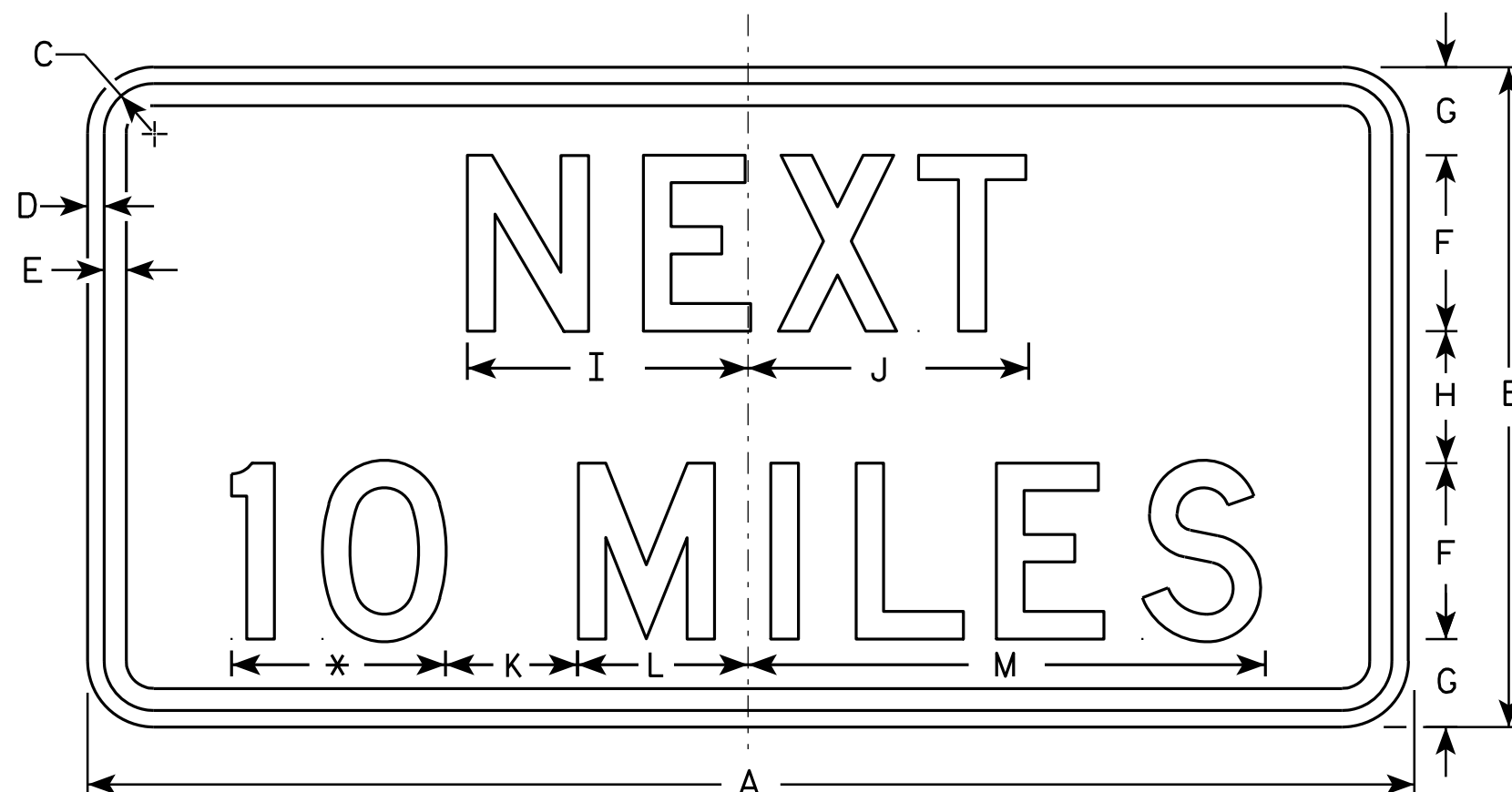
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 11/3/10 PLATE NO. W5-54.8

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

* See note 5



W57-51

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	3	1 3/4	2 1/2	5	5 1/8	3	2 3/4	9 5/8														2.0
2S	30	15	1 1/8	3/8	1/2	4	2	3	6 3/8	6 3/8	3	3 7/8	11 3/4														3.13
2M	36	18	1 1/8	3/8	1/2	5	2 5/8	2 3/4	7 7/8	8	5	4 1/8	15 3/8														4.5
3	36	18	1 1/8	3/8	1/2	5	2 5/8	2 3/4	7 7/8	8	5	4 1/8	15 3/8														4.5
4	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 5/8	19														8.0
5	48	24	1 3/8	1/2	5/8	6	3 1/2	5	10	10 1/8	6	5 5/8	19														8.0

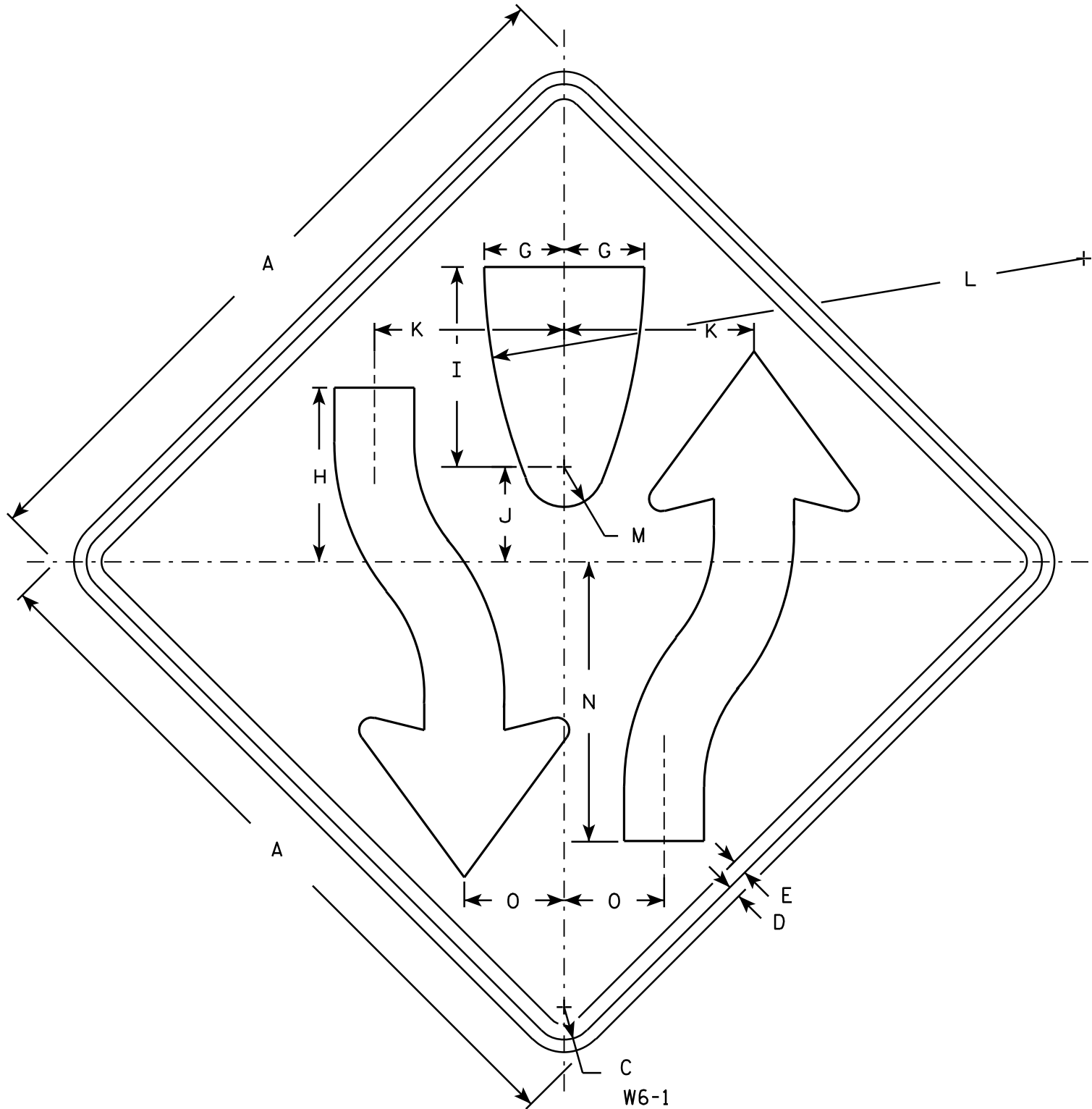
STANDARD SIGN
W57-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

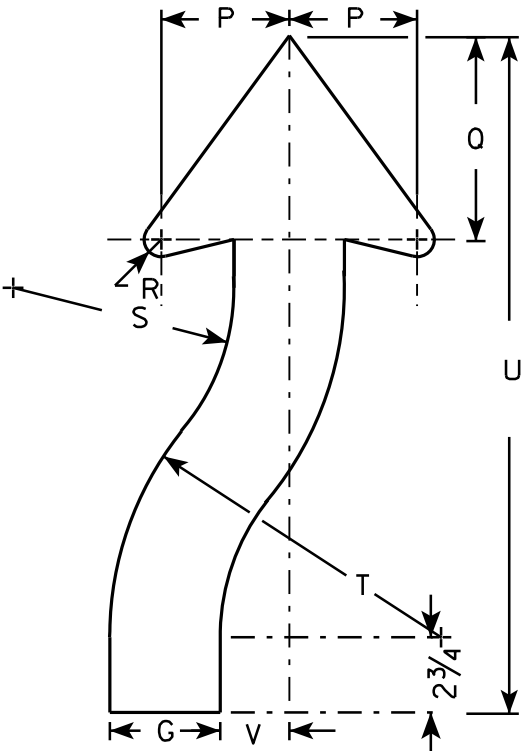
DATE 4/18/11 PLATE NO. W57-51.8

PROJECT NO: HWY: COUNTY: SHEET NO: E



NOTES

- 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Yellow
Message - Black
- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

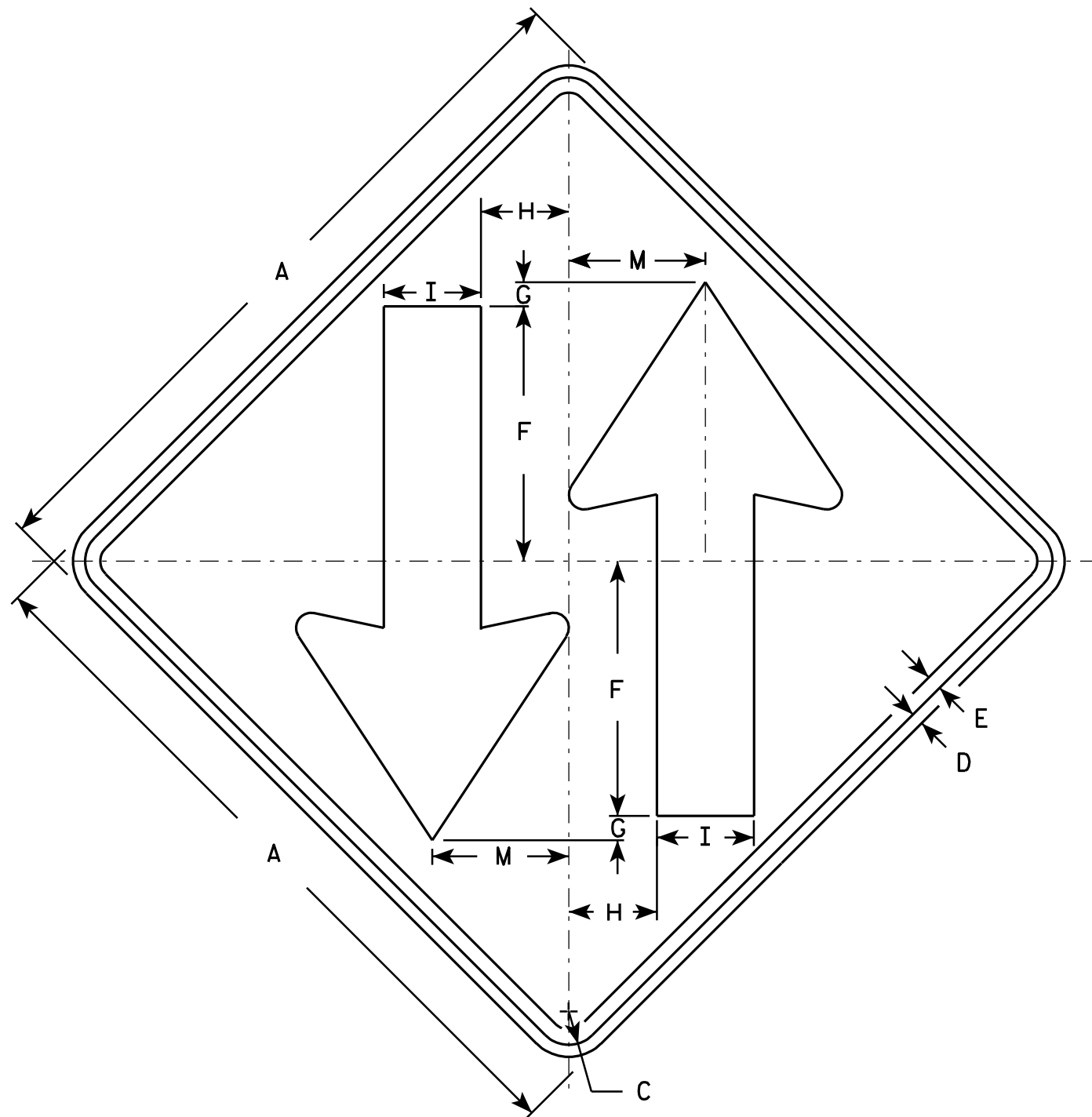
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2M	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

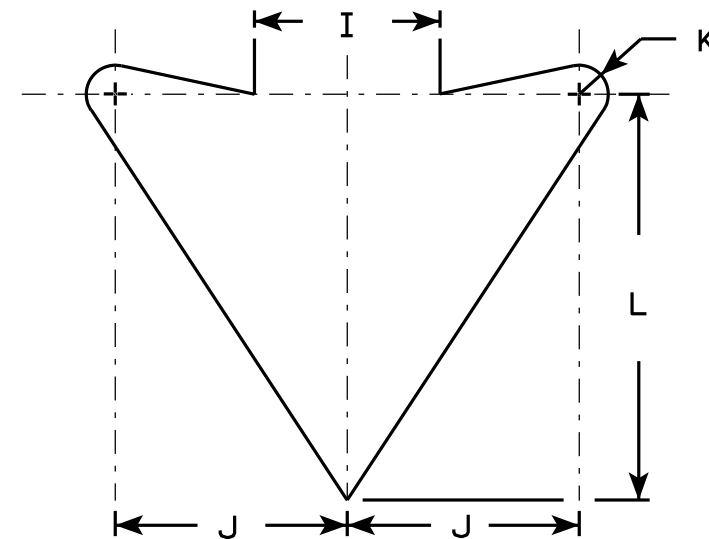
APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 3/22/11 PLATE NO. W6-1.13



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	10 1/2	1	3 5/8	4	5	5/8	8 3/4	5 5/8														6.25
2S	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2M	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
3																											
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

STANDARD SIGN
W6-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/22/11 PLATE NO. W6-3.9

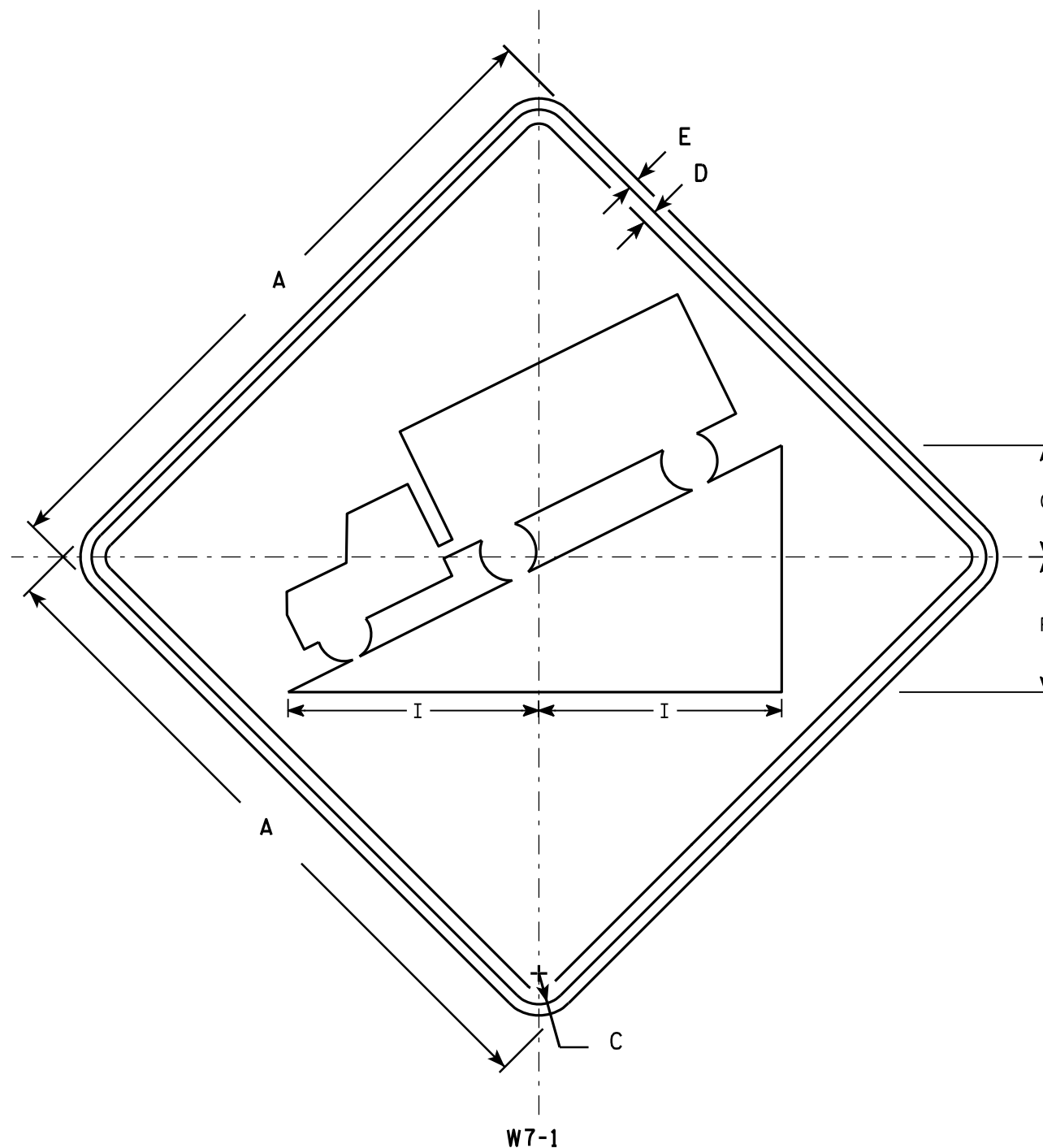
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	3/8	5	4		8 3/4																		4.0
2S	30		1 3/8	1/2	5/8	6	5		11																		6.25
2M	36		1 5/8	5/8	3/4	7 1/4	6		13 1/4																		9.0
3	36		1 5/8	5/8	3/4	7 1/4	6		13 1/4																		9.0
4	36		1 5/8	5/8	3/4	7 1/4	6		13 1/4																		9.0
5	48		2 1/4	3/4	1	9 3/4	8		17 1/2																		16.0

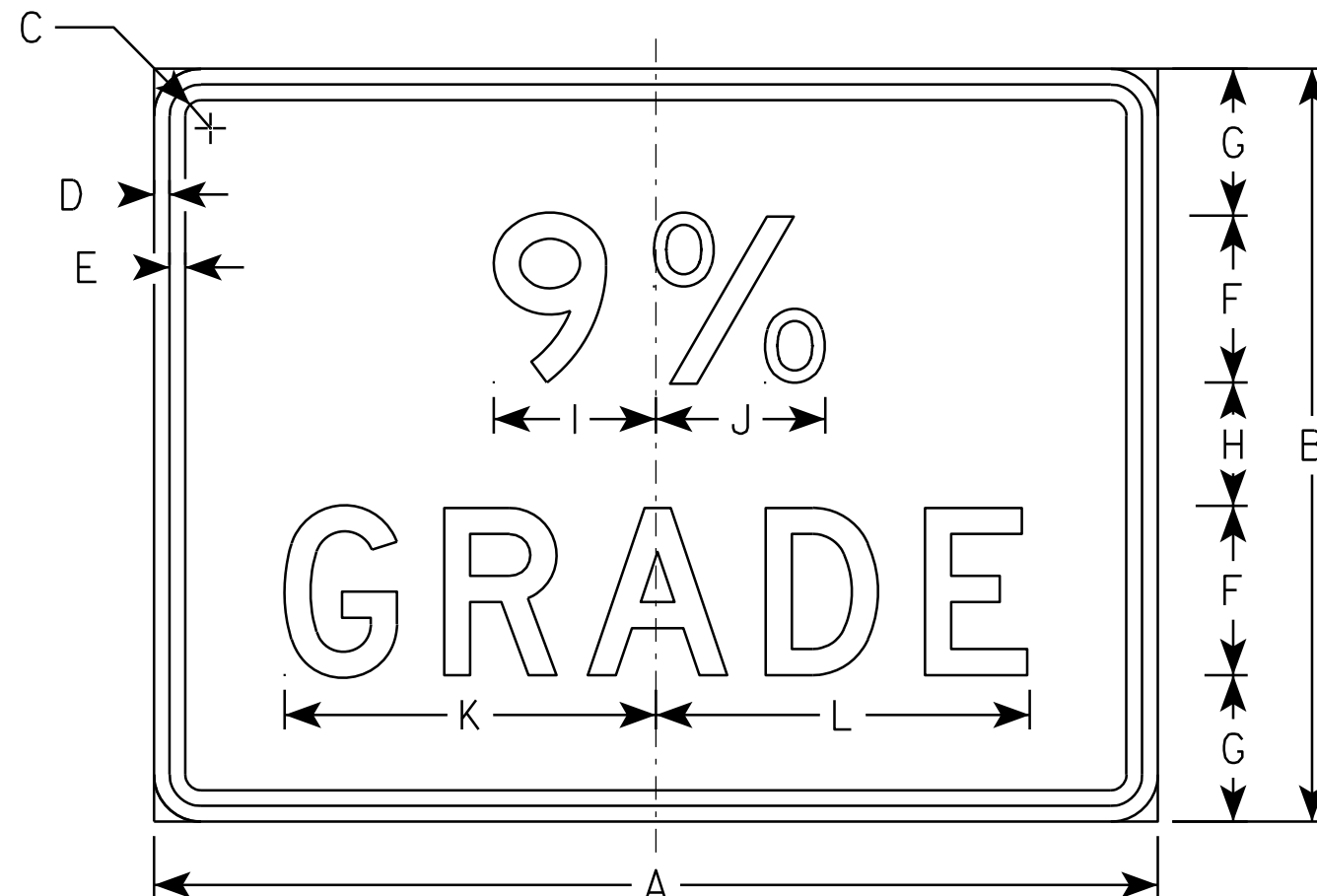
STANDARD SIGN W7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/18/11 PLATE NO. W7-1.12

PROJECT NO: HWY: COUNTY: SHEET NO: E



W7-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Substitute appropriate numeral and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/8	3/8	3/8	4	3 1/2	3	3 7/8	4	8 7/8	9															3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	3 7/8	4	8 7/8	9															3.0
3																											
4																											
5																											

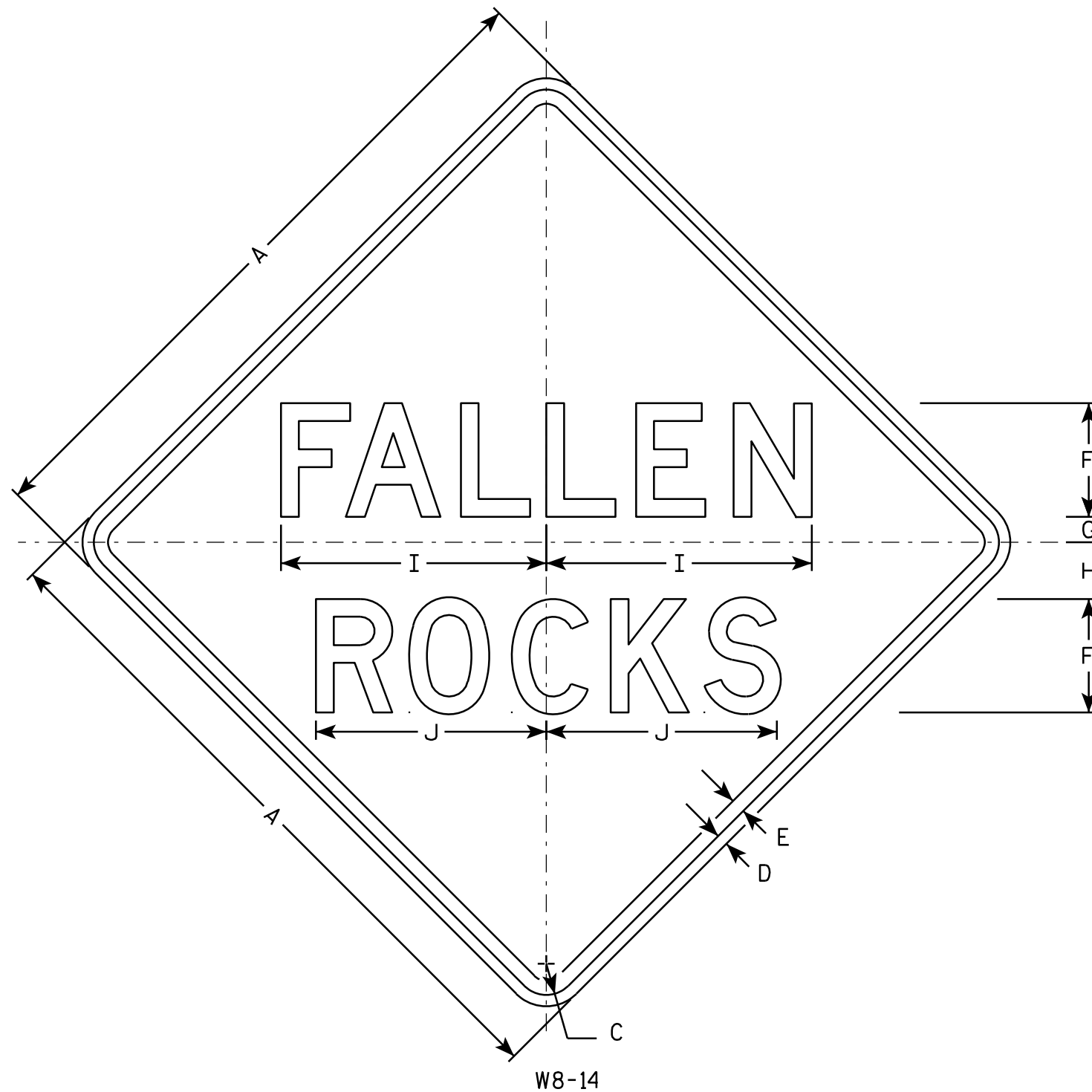
STANDARD SIGN
W7-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/22/11 PLATE NO. W7-3.3

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 3⁄8	1⁄2	5⁄8	5	1 1⁄8	2 1⁄2	11 3⁄4	10 1⁄8																	6.25
2M	36		1 5⁄8	5⁄8	3⁄4	6	1 3⁄8	3	14	12 1⁄8																	9.0
3	36		1 5⁄8	5⁄8	3⁄4	6	1 3⁄8	3	14	12 1⁄8																	9.0
4	36		1 5⁄8	5⁄8	3⁄4	6	1 3⁄8	3	14	12 1⁄8																	9.0
5	48		2 1⁄4	3⁄4	1	8	1 3⁄4	4	18 3⁄4	16 1⁄4																	16.0

STANDARD SIGN

W8-14

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 9/07/10 PLATE NO. W8-14.1

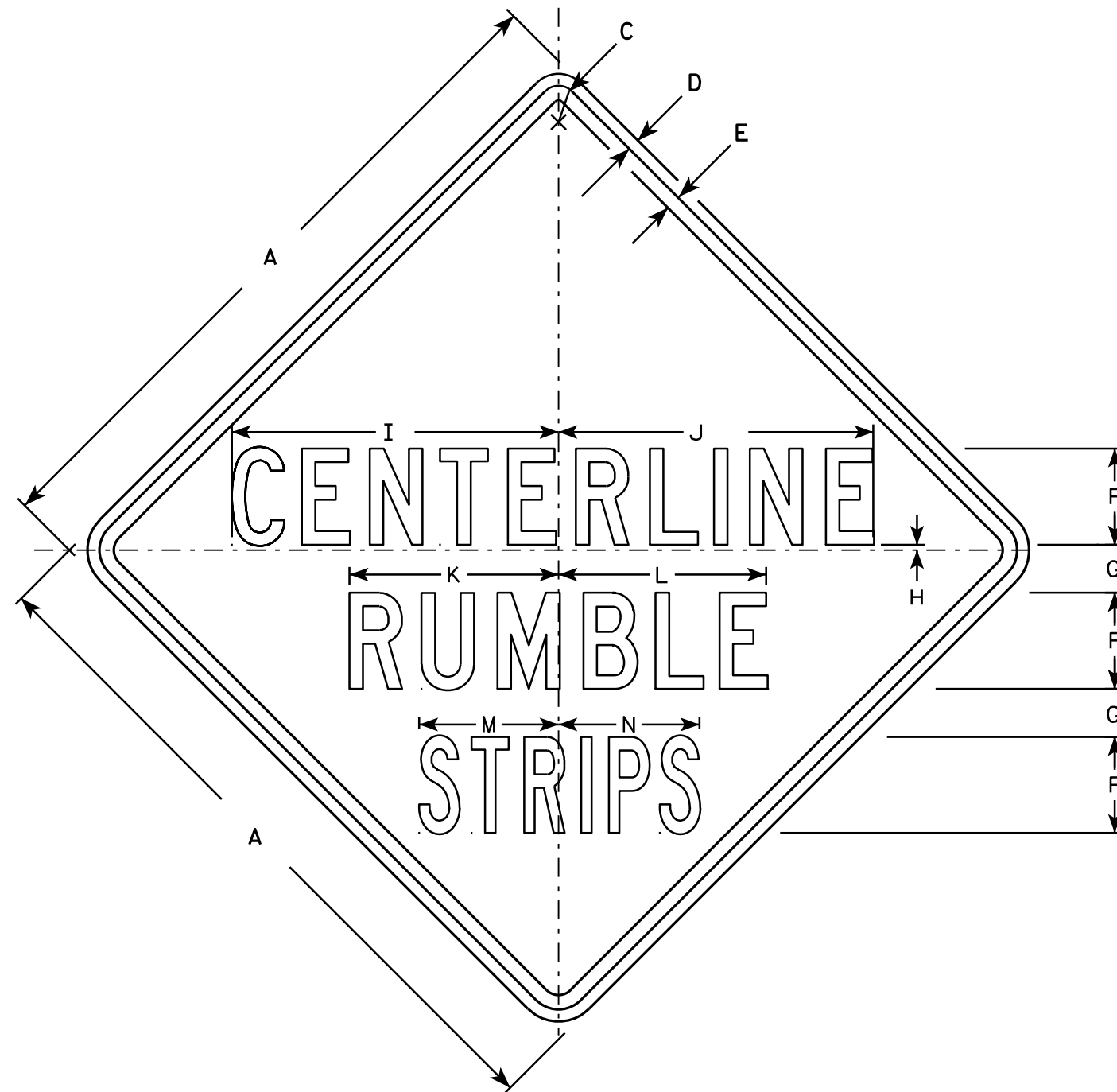
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



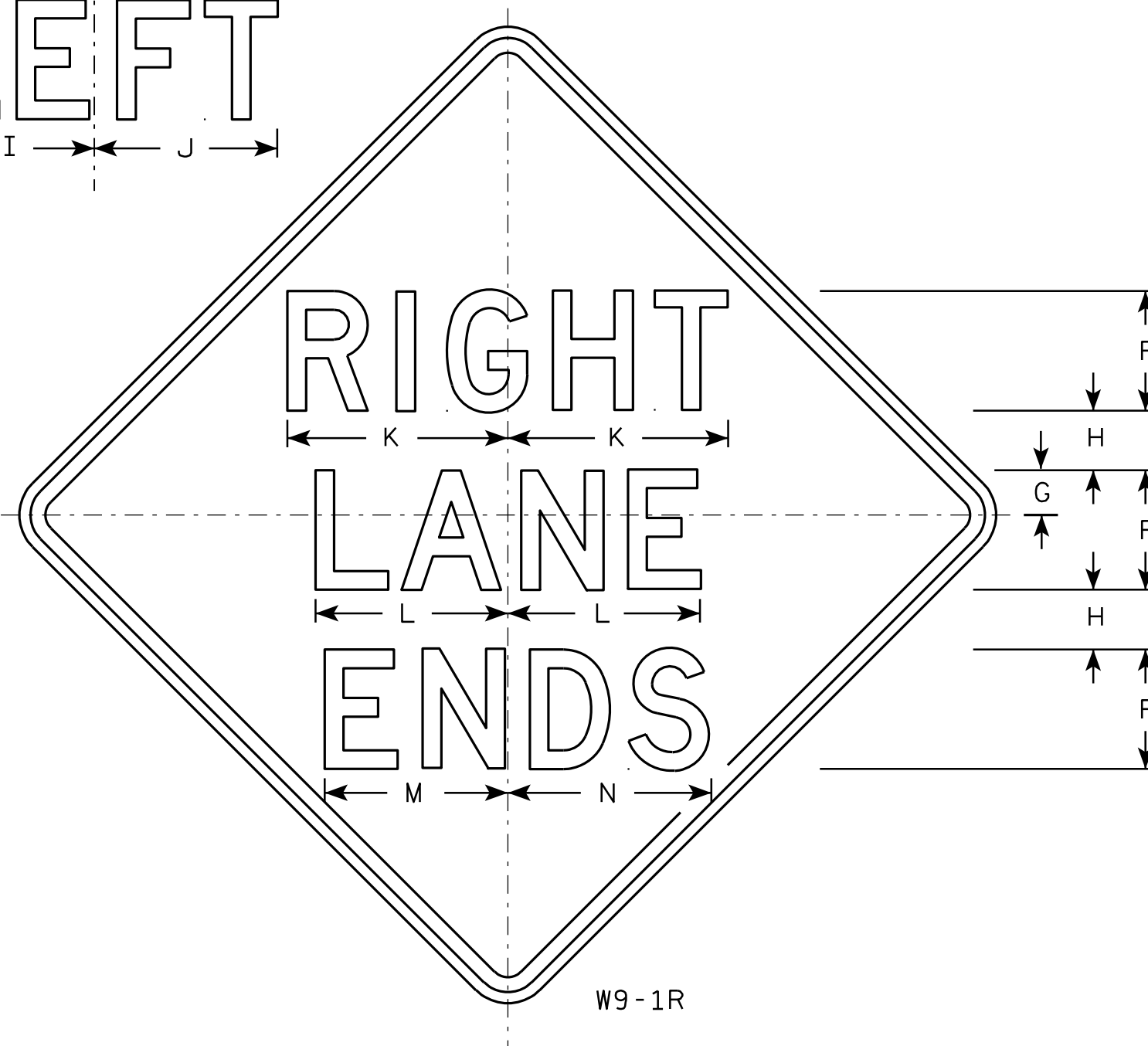
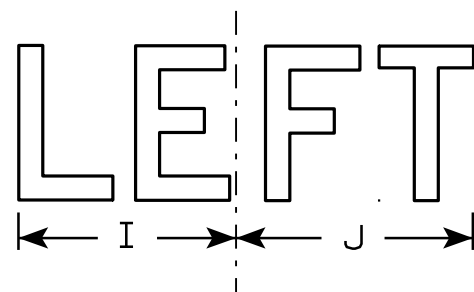
W8-70

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - YELLOW
Message - BLACK
3. Message Series - SEE NOTE 5.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 and 2 are Series C.
Line 3 is Series B.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	5	2 1/2	1/4	17	16 3/8	10 7/8	10 3/4	7 1/4	7 3/8													9.0
2M	36		1 5/8	5/8	3/4	5	2 1/2	1/4	17	16 3/8	10 7/8	10 3/4	7 1/4	7 3/8													9.0
3	36		1 5/8	5/8	3/4	5	2 1/2	1/4	17	16 3/8	10 7/8	10 3/4	7 1/4	7 3/8													9.0
4																											
5																											

STANDARD SIGN	
W8-70	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE <u>3/23/11</u>	PLATE NO. <u>W8-70.2</u>



W9-1R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. W9-1L same as W9-1R except the word Left replaces Right.

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 ³ / ₈	1/2	5/8	5	1 1/2	2 1/2	7 1/8	7 5/8	9 1/4	8 1/8	7 5/8	8 5/8													6.25
2S	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
2M	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
3	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
4	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
5	48		2 1/4	3/4	1	8	3	4	11 1/4	12 1/4	14 3/4	12 7/8	12 1/4	13 5/8													16.0

PROJECT NO:

STANDARD SIGN

W9-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
for State Traffic Engineer

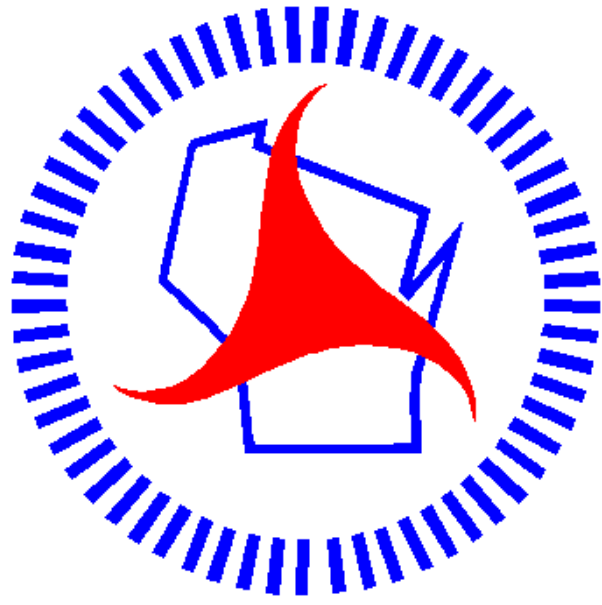
DATE 12/20/10

PLATE NO. W9-1.7

SHEET NO:

E

Notes



Wisconsin Department of Transportation

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