

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

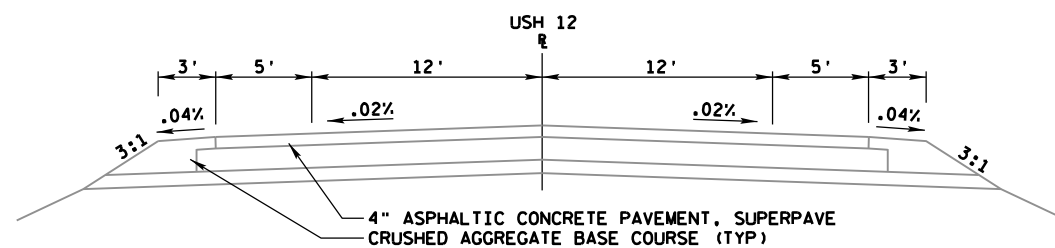
ANTHONY M. VANDER WIELEN	PAUL M. VALENTI
PROJECT MANAGER	PROJECT DESIGNER
WISDOT SW REGION	WISDOT SW REGION
PROJECT DEVELOPMENT	PROJECT DEVELOPMENT
3550 MORMON COULEE ROAD	3550 MORMON COULEE ROAD
LA CROSSE, WI 54601	LA CROSSE, WI 54601
PHONE: (608) 789-7878	PHONE: (608) 785-9053

UTILITY CONTACTS

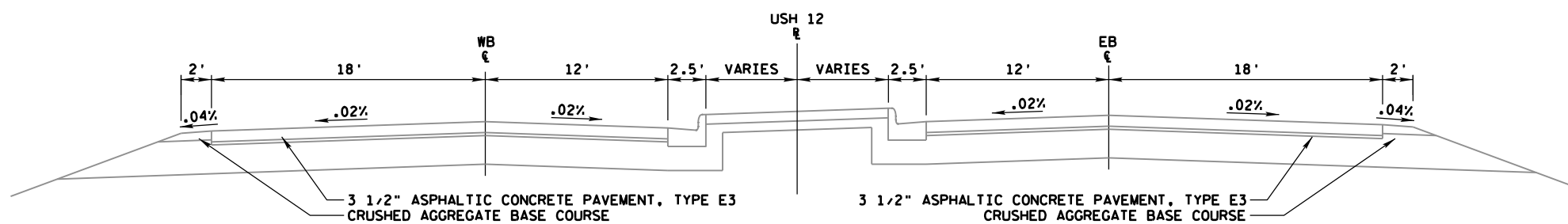
Alliant Energy 520 Commerce Avenue Baraboo, WI 53913 ATTN: Neal Goodchild OFFICE: (608) 458-4871 MOBILE: (608) 575-8860 nealgoodchild@alliantenergy.com	ATC Management, Inc. 801 O'Keefe Rd P.O. Box 6113 De Pere, WI 54115-6113 ATTN: Mike Olsen OFFICE: (920) 338-6582 MOBILE: (920) 660-2390 molsen@atcllc.com
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



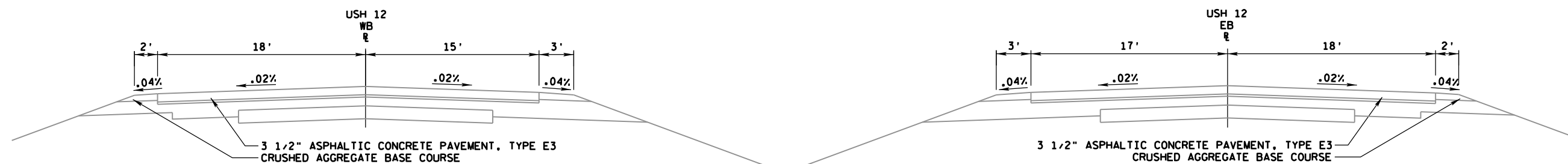
Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

**EXISTING TYPICAL SECTION**

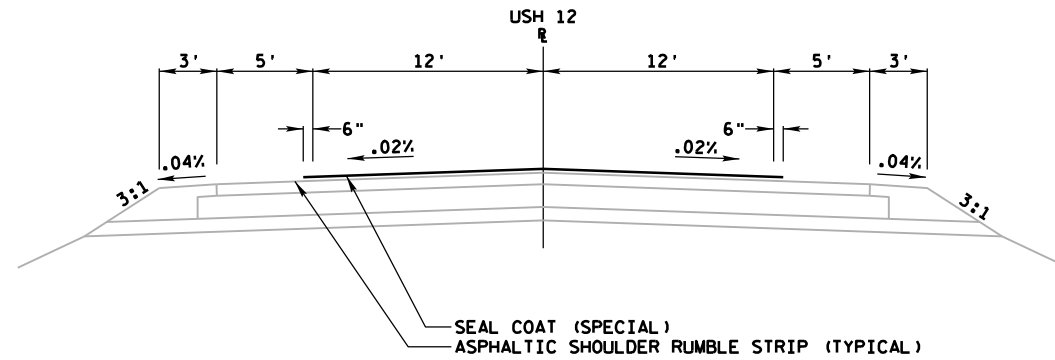
STATION 295+00 TO STATION 410+45

**EXISTING TYPICAL SECTION**

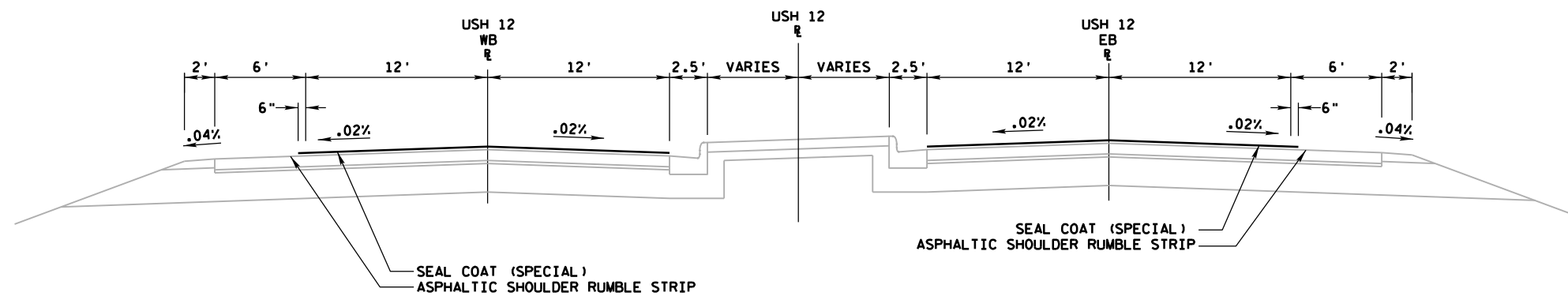
STATION 410+45 TO STATION 484+74

**EXISTING TYPICAL SECTION**

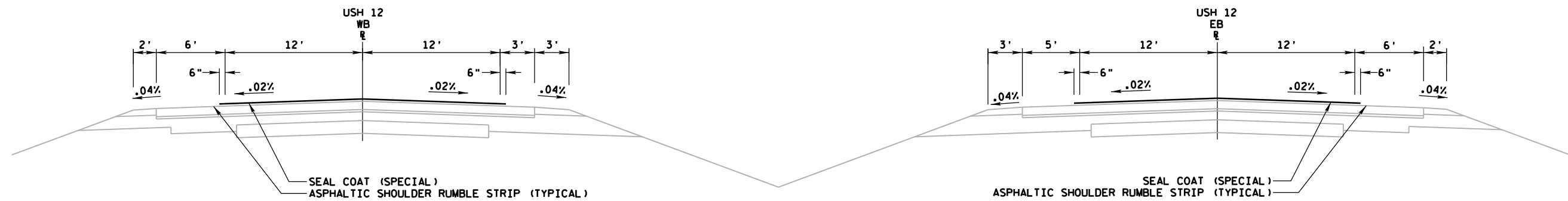
STATION 484+74 TO STATION 544+42



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



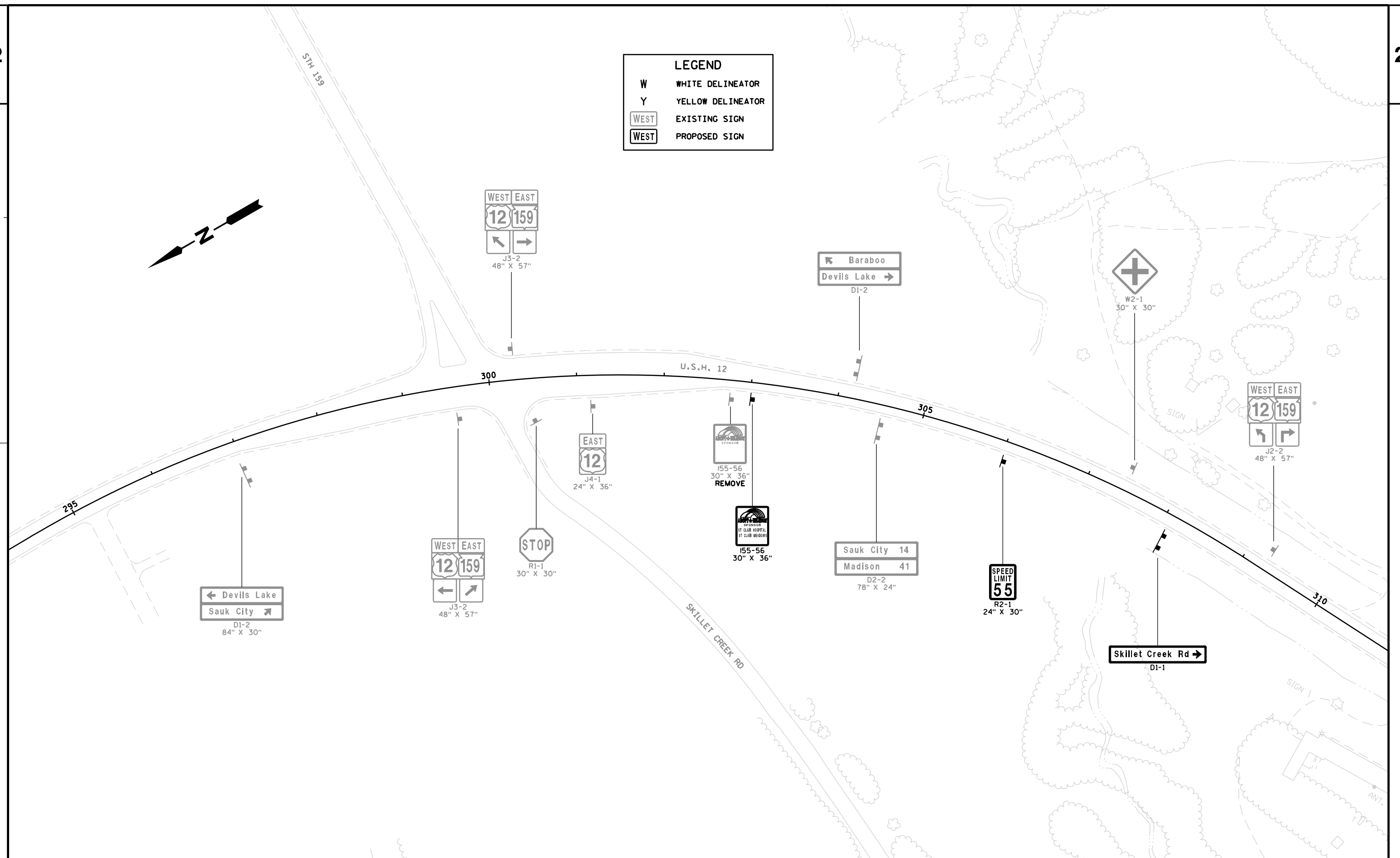
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STATION 410+45 TO STATION 484+74

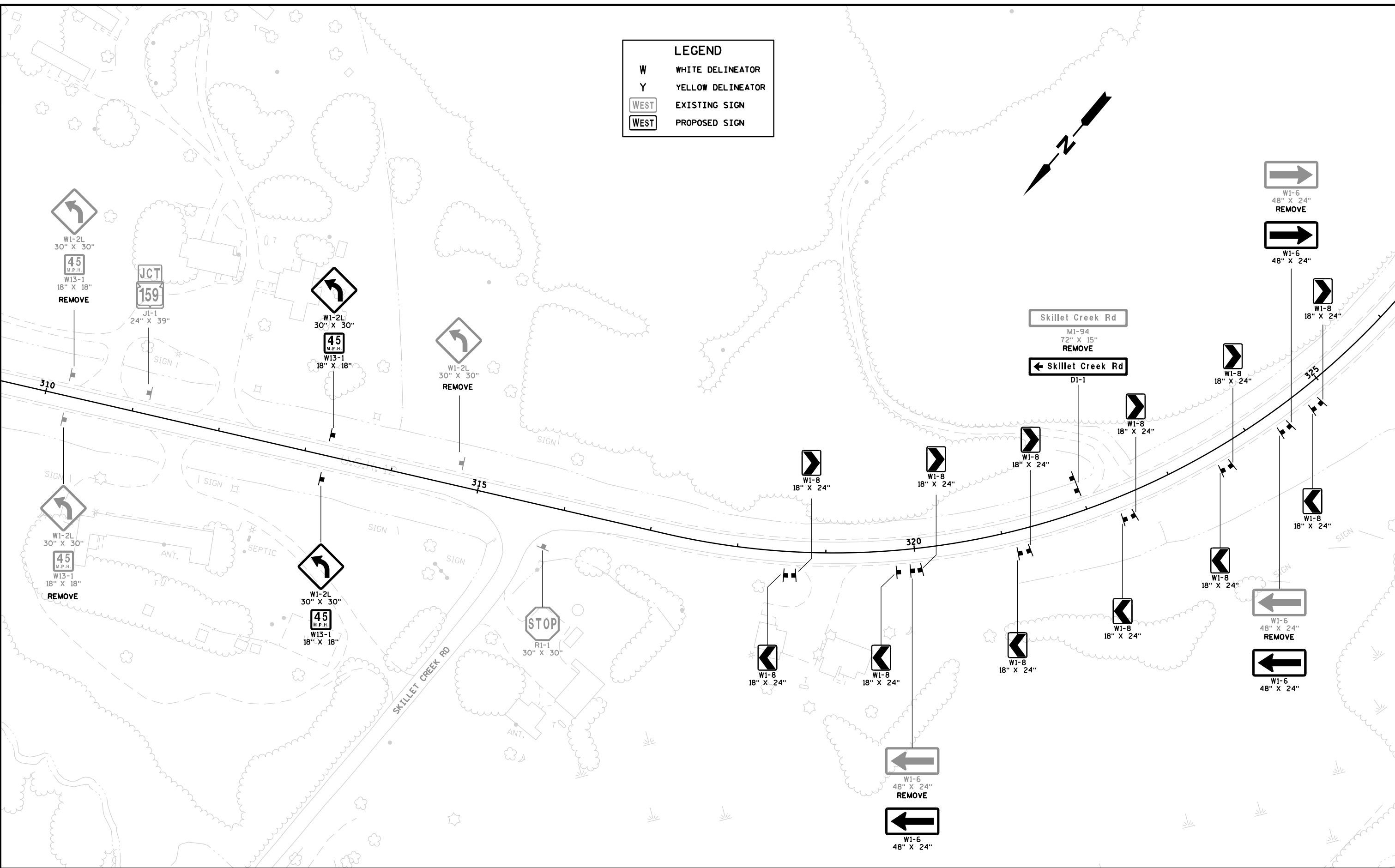


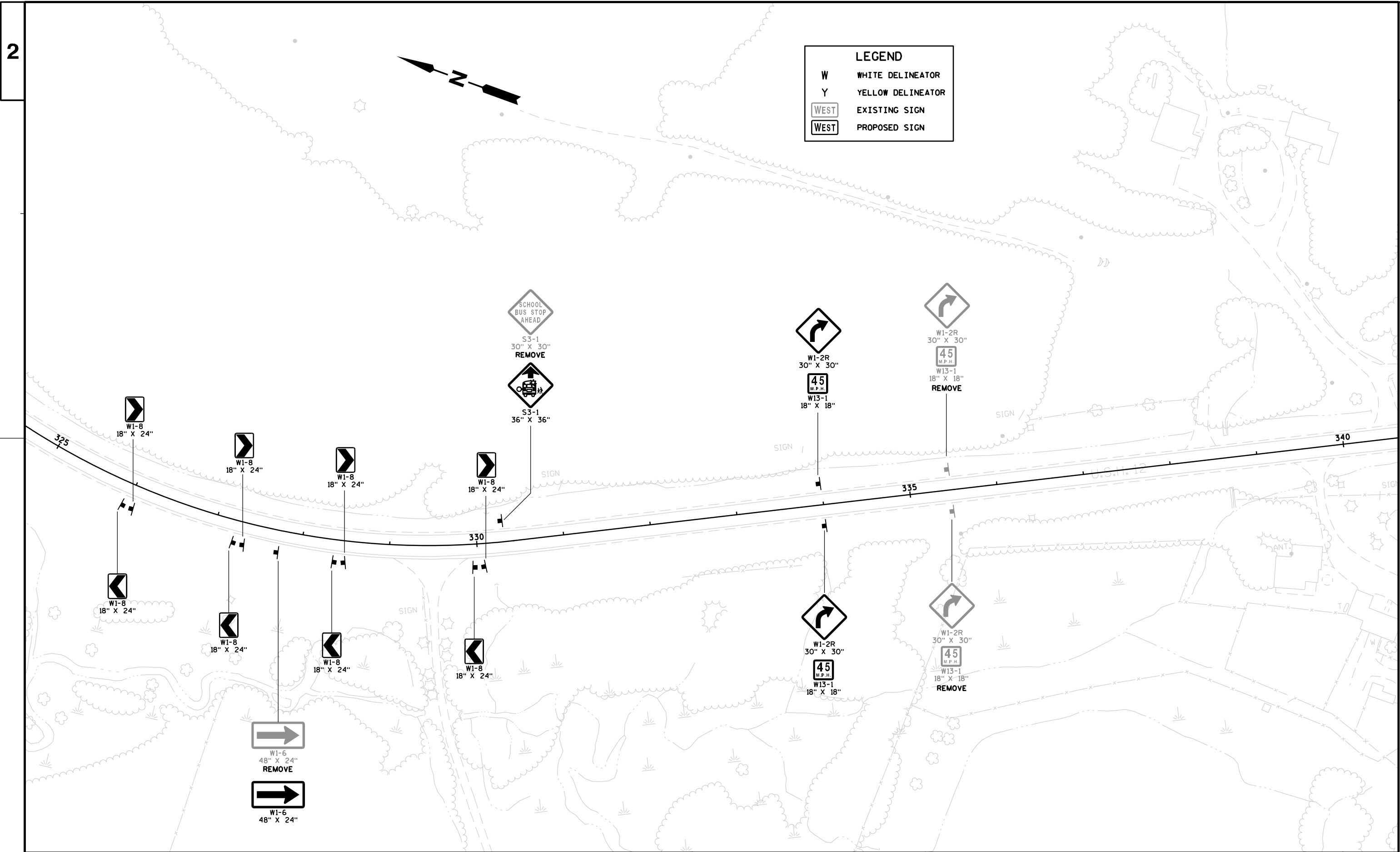
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STATION 484+74 TO STATION 544+42

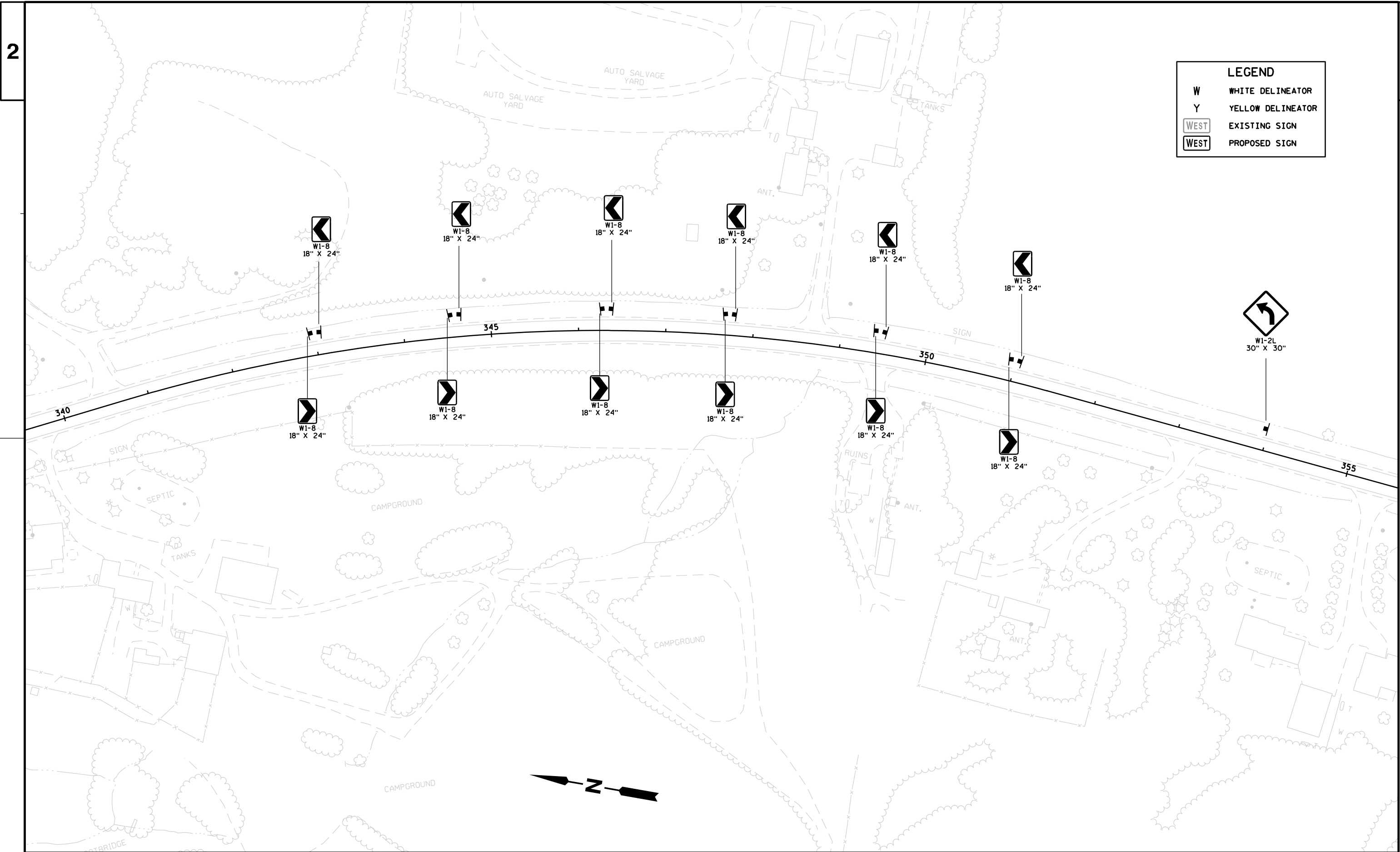
LEGEND

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

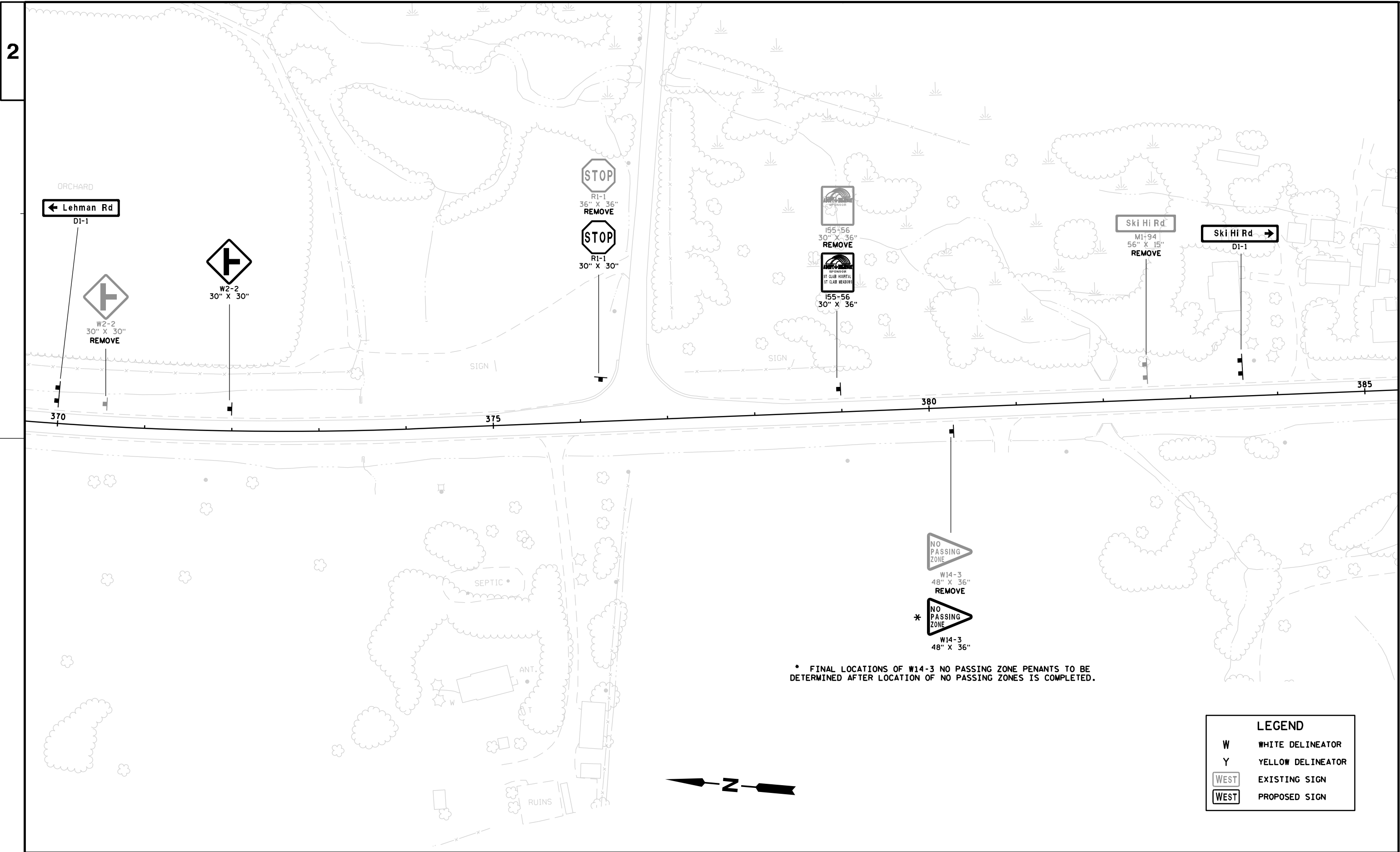












* FINAL LOCATIONS OF W14-3 NO PASSING ZONE PENANTS TO BE DETERMINED AFTER LOCATION OF NO PASSING ZONES IS COMPLETED.

LEGEND

W

WHITE DELINEATOR

Y

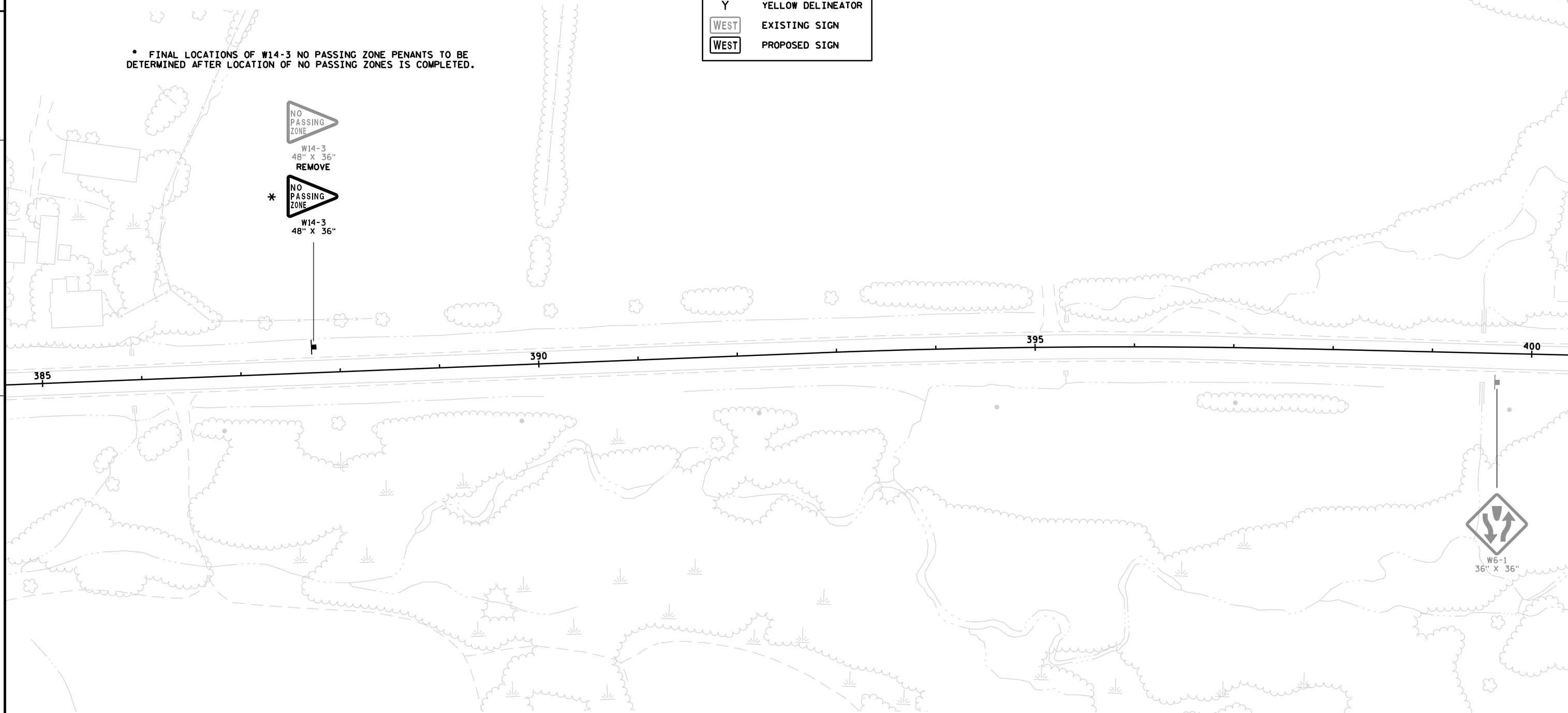
YELLOW DELINEATOR

WEST

EXISTING SIGN

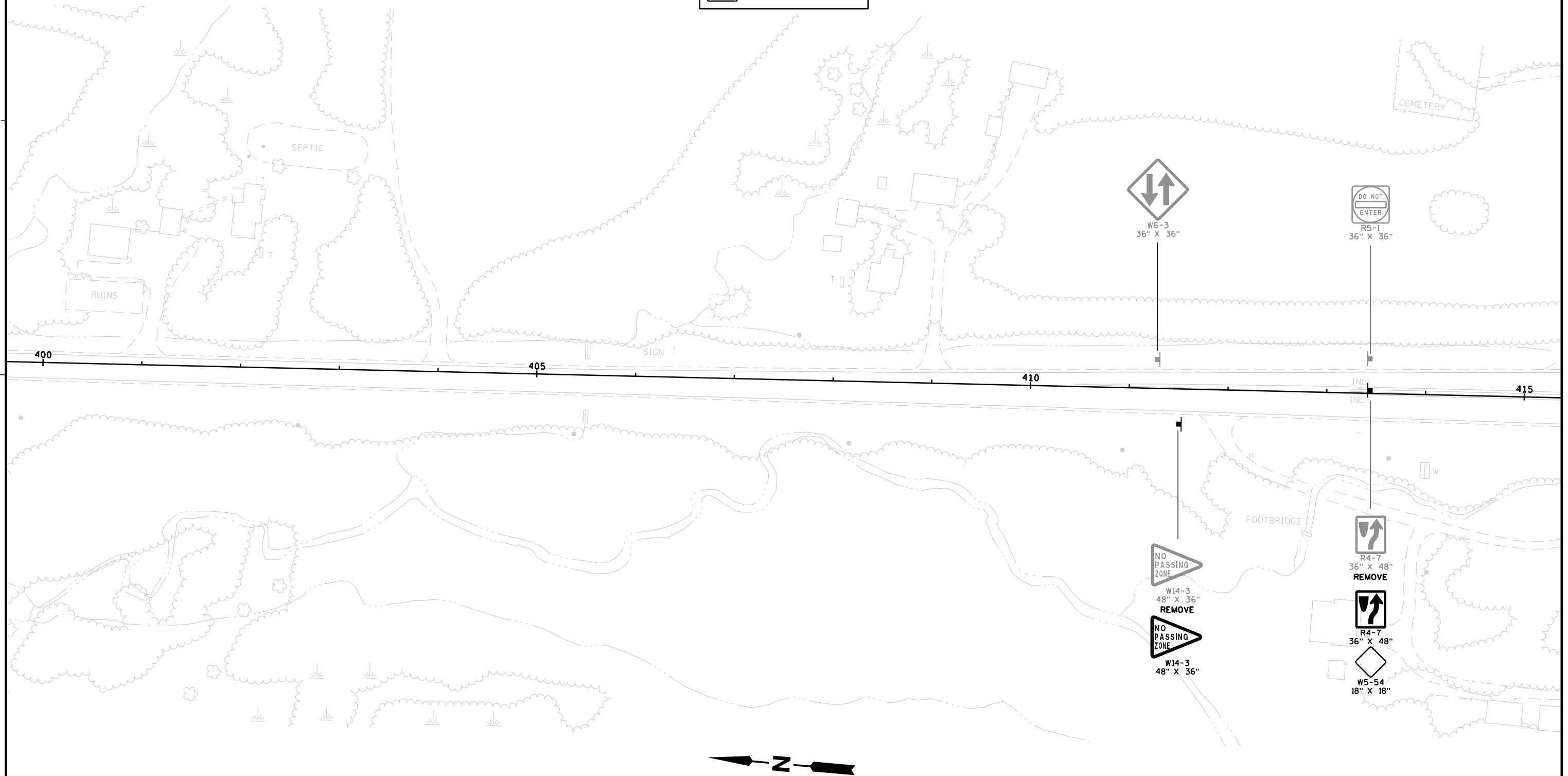
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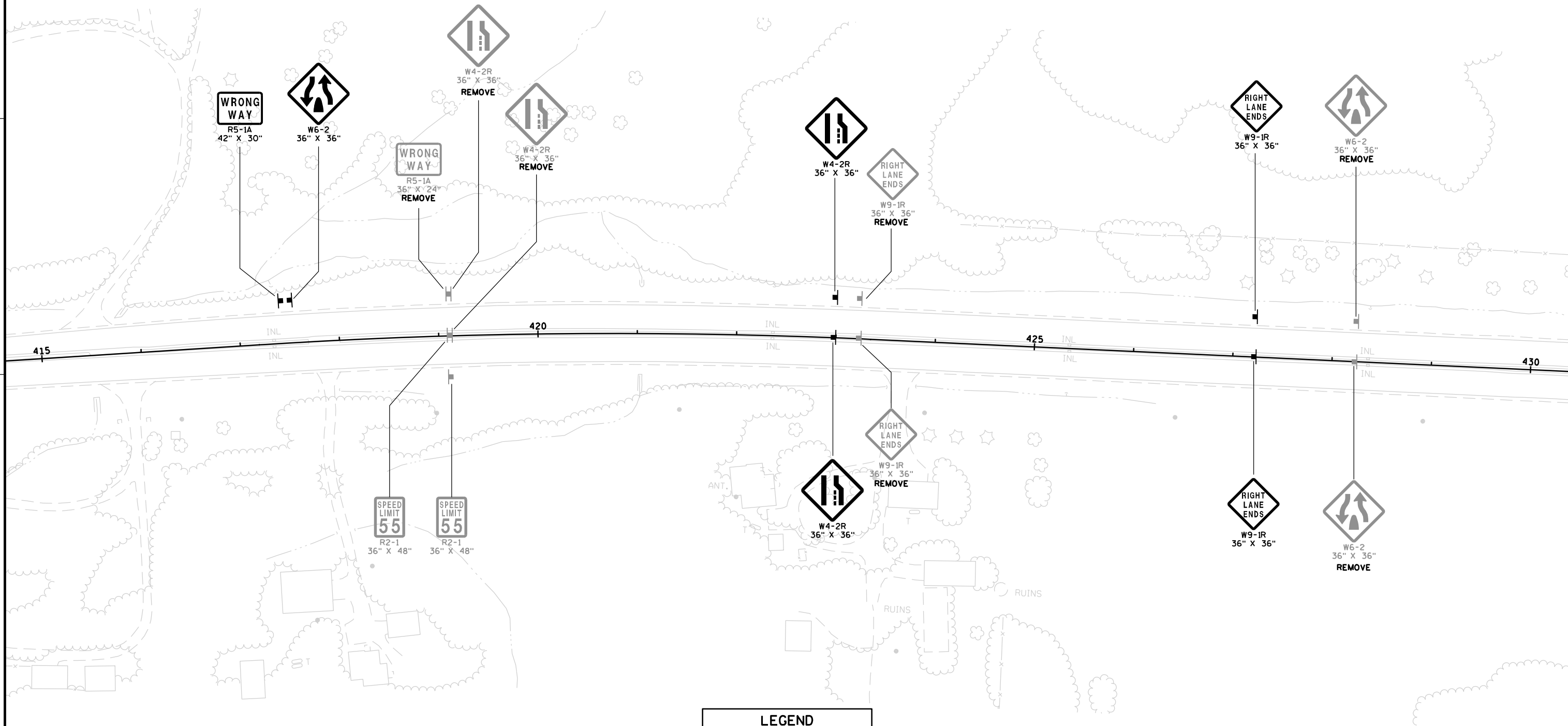
PROPOSED SIGN



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

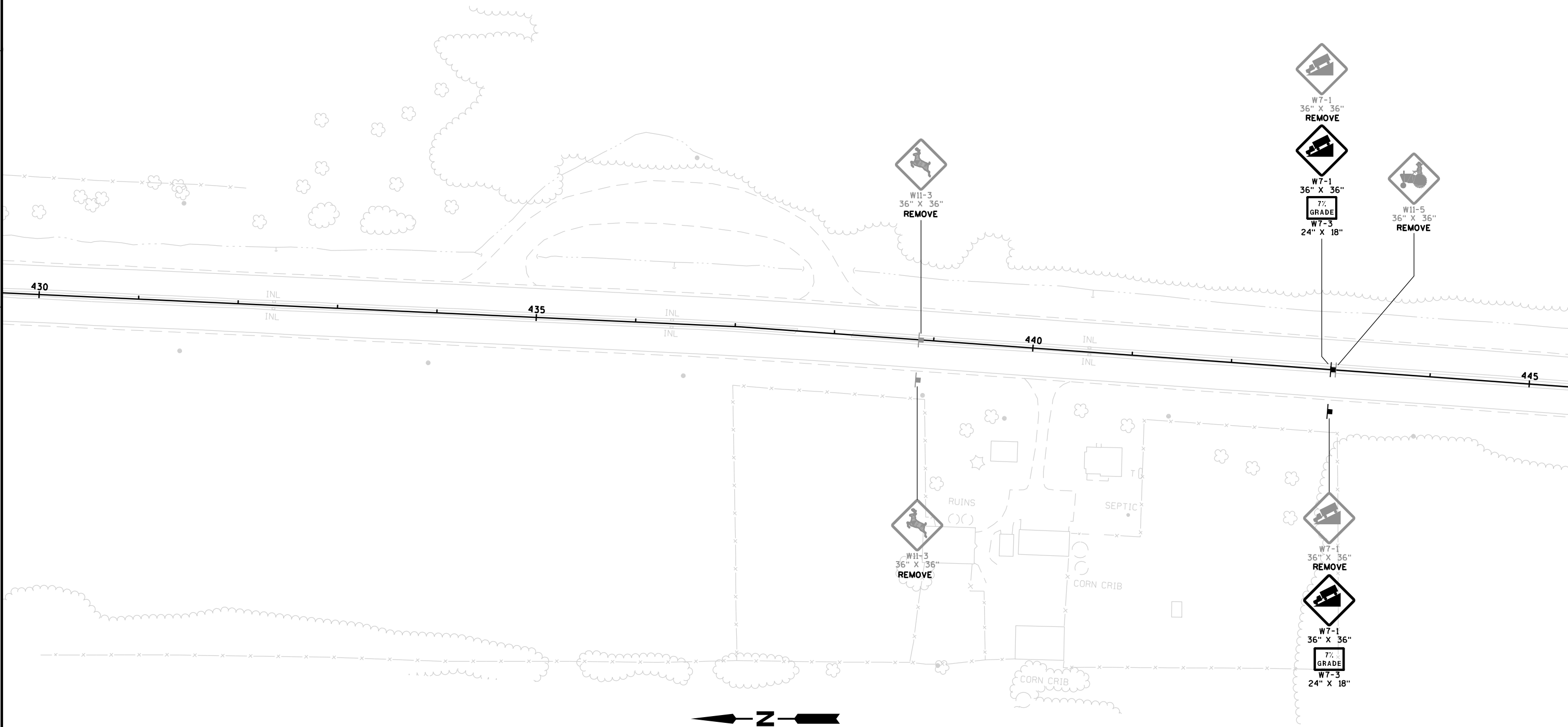
YELLOW DELINEATOR

WEST

EXISTING SIGN

WEST

PROPOSED SIGN



2

2

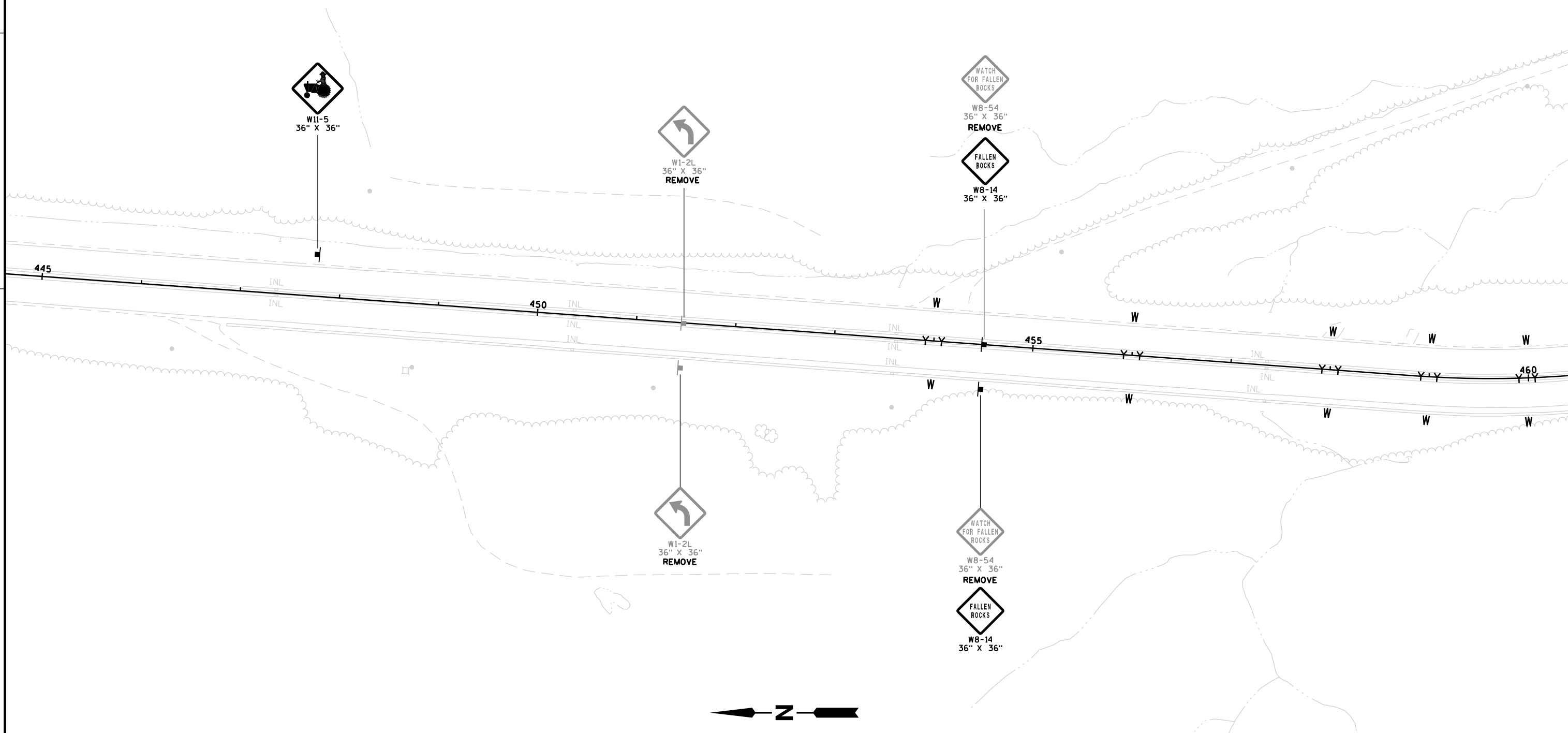
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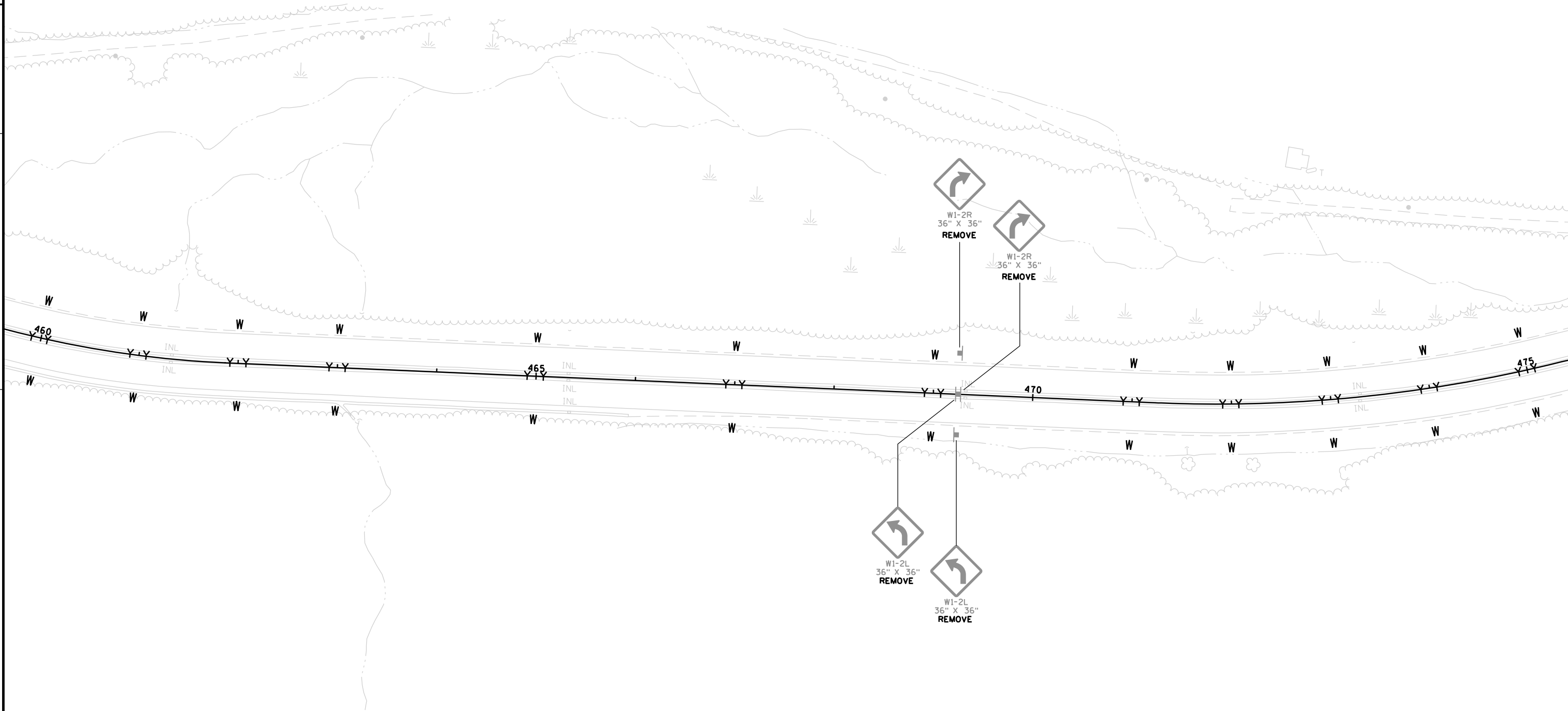
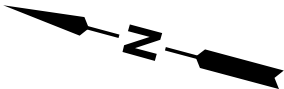
W WHITE DELINEATOR

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

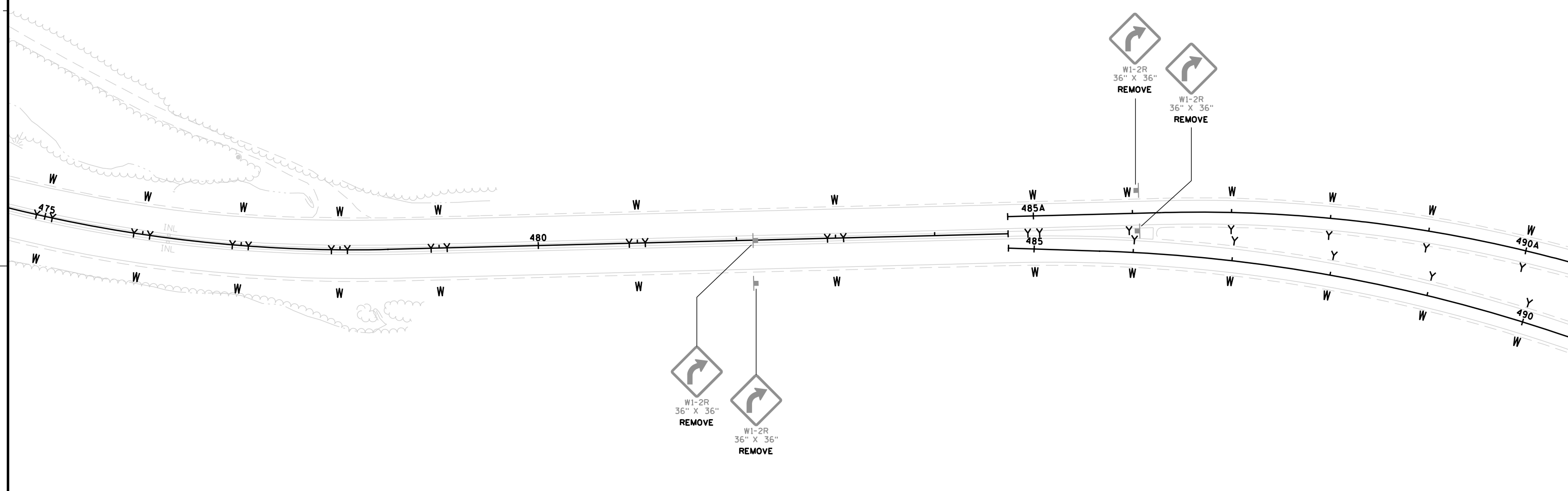
YELLOW DELINEATOR

WEST

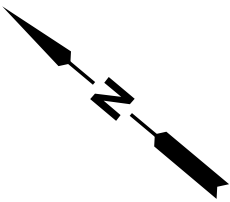
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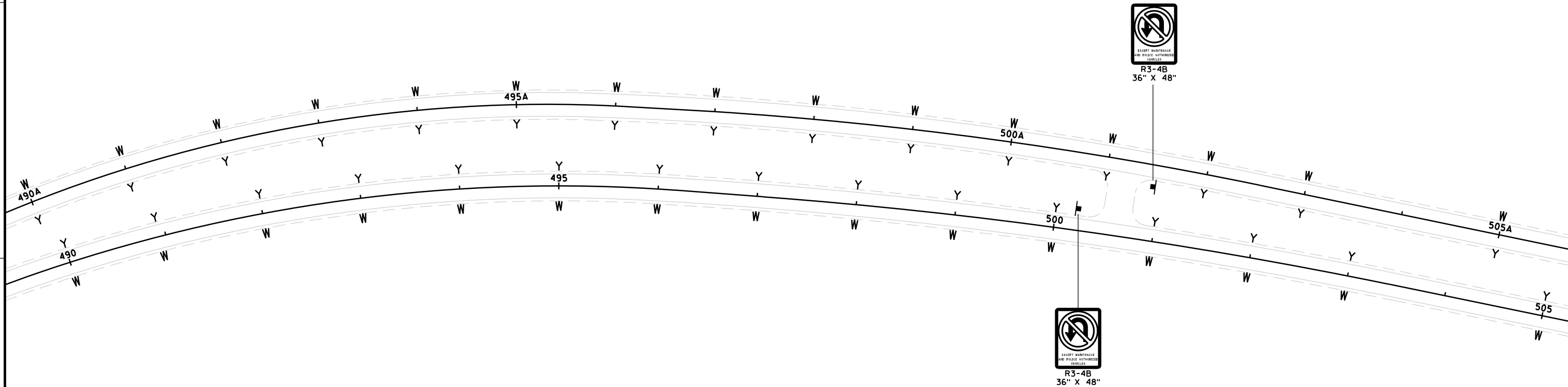
WEST

PROPOSED SIGN



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





LEGEND

W

WHITE DELINEATOR

Y

YELLOW DELINEATOR

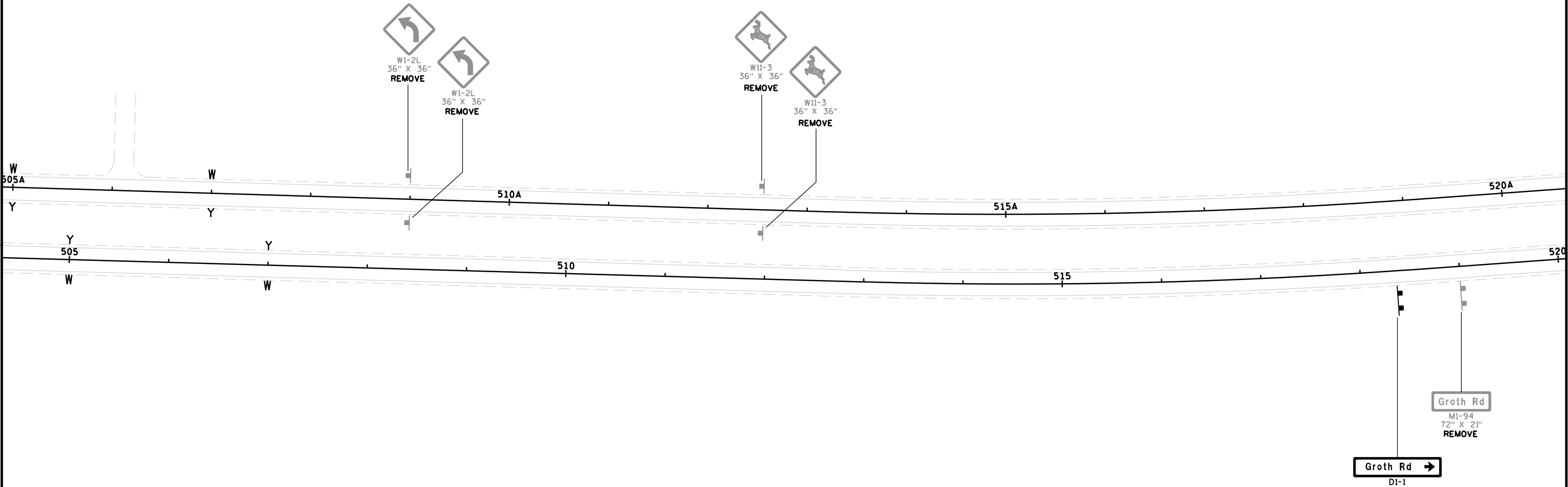
WEST

EXISTING SIGN

WEST

PROPOSED SIGN

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



LEGEND

W

WHITE DELINEATOR

Y

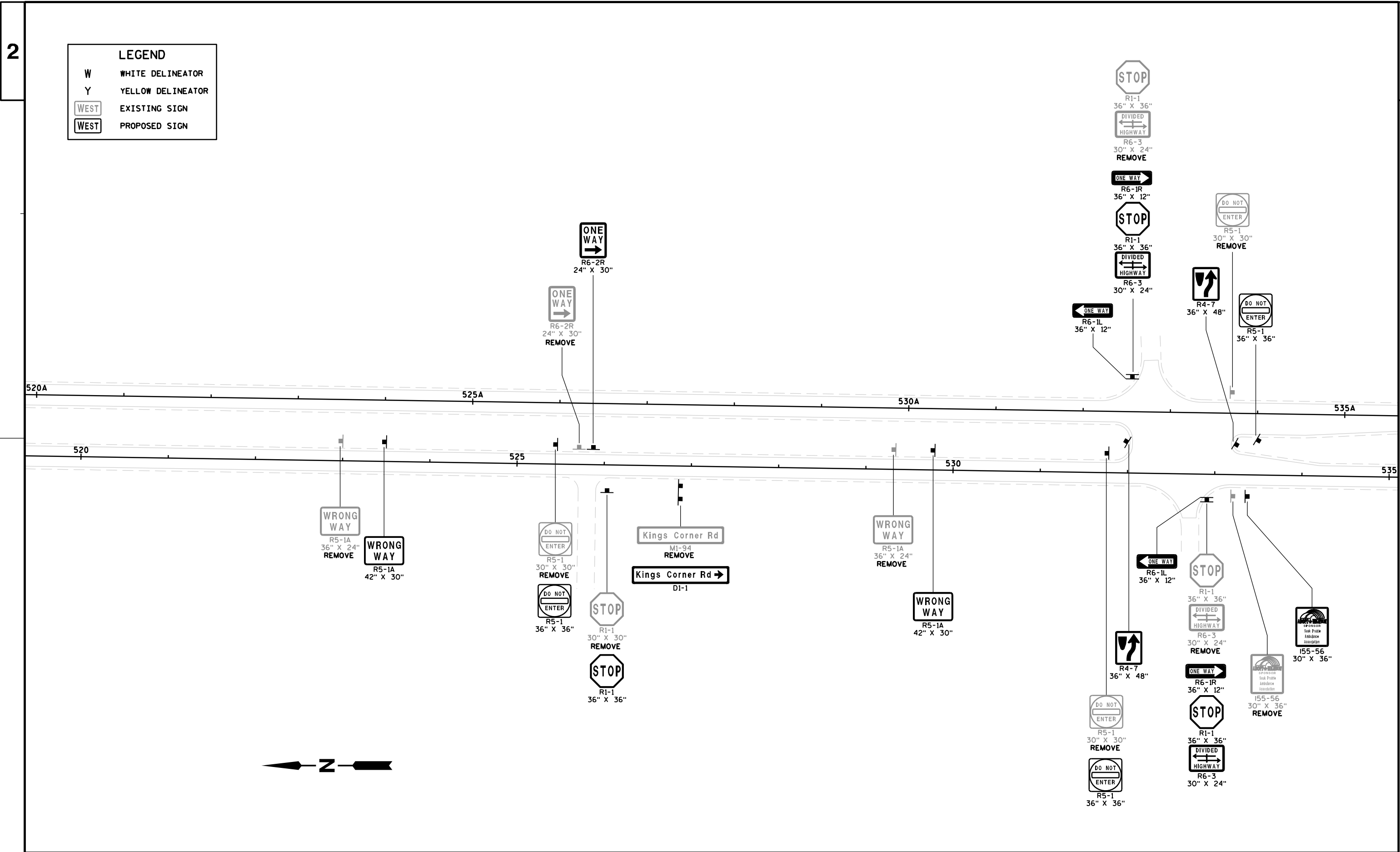
YELLOW DELINEATOR

WEST

EXISTING SIGN

WEST

PROPOSED SIGN



LEGEND

W

WHITE DELINEATOR

Y

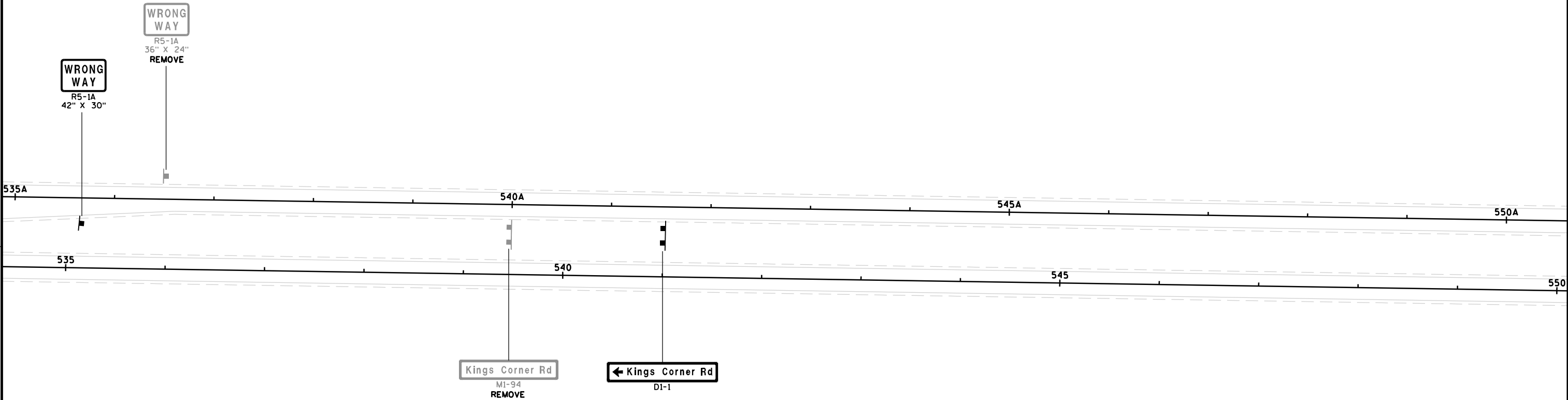
YELLOW DELINEATOR

WEST

EXISTING SIGN

WEST

PROPOSED SIGN



LEGEND

W	WHITE DELINEATOR
Y	YELLOW DELINEATOR
	EXISTING SIGN
	PROPOSED SIGN

LEGEND

W

WHITE DELINEATOR

Y

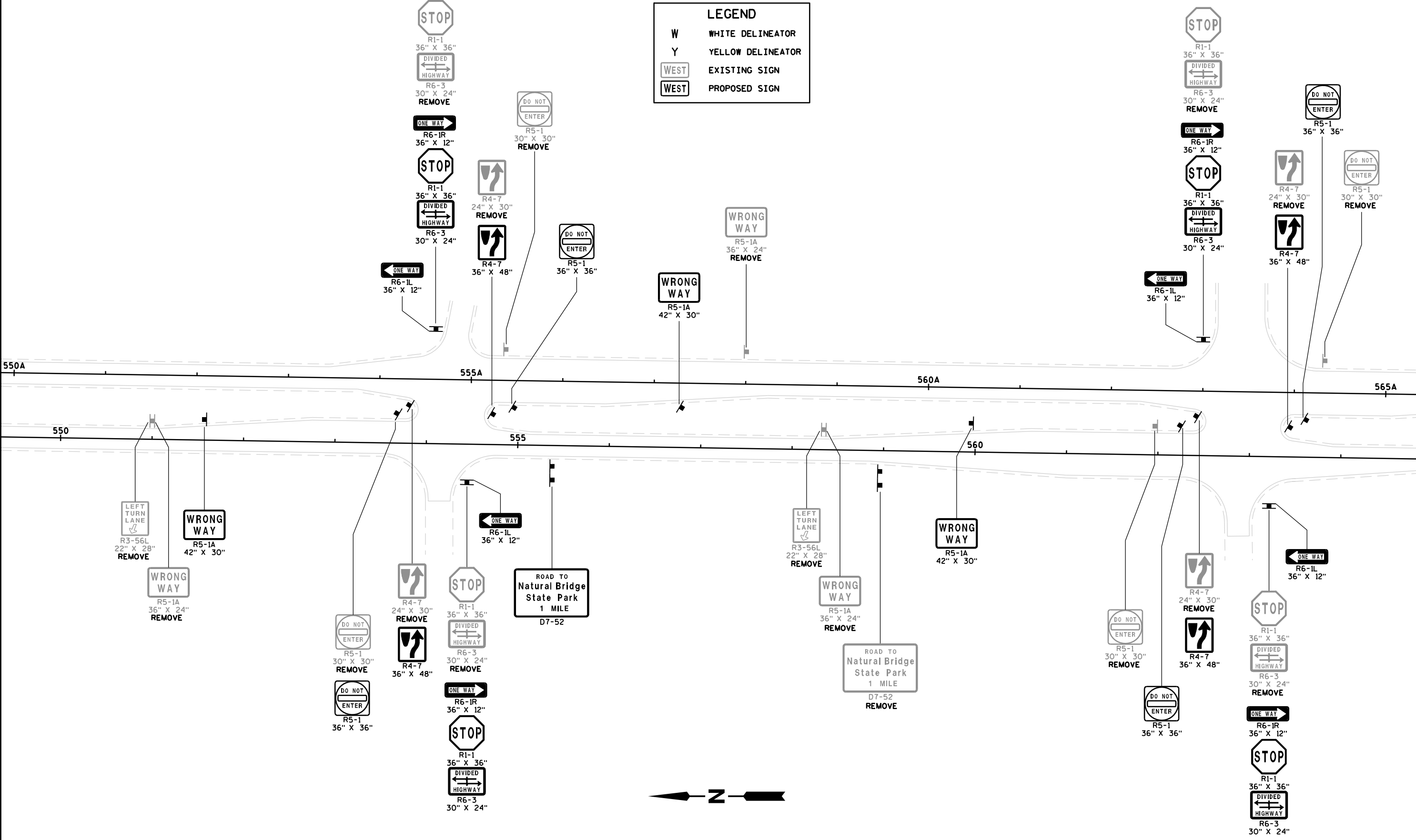
YELLOW DELINEATOR

WEST

EXISTING SIGN

WEST

PROPOSED SIGN





WRONG
WAY
R5-1A
42" X 30"

WRONG
WAY
R5-1A
36" X 24"
REMOVE

565A

570A

575A

580A

565

570

575

580

LEGEND

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

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 SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

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.

ADDITIONAL WORK VEHICLES MAY BE USED BETWEEN V1 AND V2.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE AND OTHER FACTORS.

IF THERE IS A SIDE ROAD INTERSECTION BETWEEN THE FLAGGER STATIONS PROVIDE "ROAD WORK AHEAD" SIGNS ON THE SIDE ROAD AS APPROVED BY THE ENGINEER.

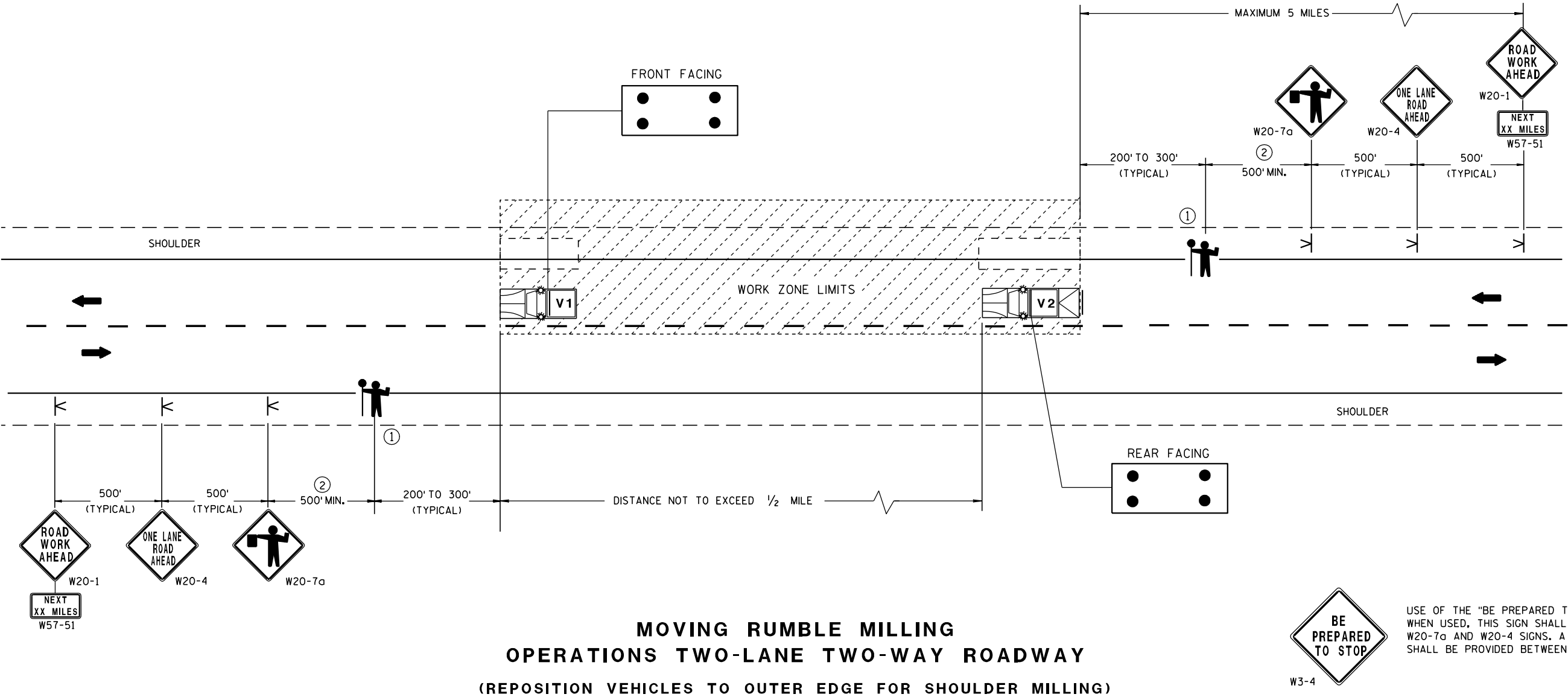
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, THE "FLAGGER AHEAD", THE "ROAD WORK AHEAD" AND THE "ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND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

LEGEND

- V1 LEAD VEHICLE
- V2 TRAIL VEHICLE WITH TMA
- 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



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

DATE 27MAR13		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	174.000	174.000
0040	465.0400	ASPHALTIC SHOULDER RUMBLE STRIP	LF	64,635.000	64,635.000
0050	618.0100	MAINTENANCE AND REPAIR OF HAUL ROADS	EACH	1.000	1.000
		(PROJECT) 01. 1670-03-71			
0060	619.1000	MOBILIZATION	EACH	1.000	1.000
0070	633.0200	DELINEATORS FLEXIBLE	EACH	150.000	150.000
0080	634.0612	POSTS WOOD 4X6-INCH X 12-FT	EACH	1.000	1.000
0090	634.0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	45.000	45.000
0100	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	54.000	54.000
0110	634.0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	11.000	11.000
0120	637.0202	SIGNS REFLECTIVE TYPE II	SF	832.980	832.980
0130	638.2602	REMOVING SIGNS TYPE II	EACH	93.000	93.000
0140	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	86.000	86.000
0150	643.0100	TRAFFIC CONTROL (PROJECT) 01. 1670-03-71	EACH	1.000	1.000
0160	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	70,033.000	70,033.000
0170	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	196.000	196.000
0180	646.0406	PAVEMENT MARKING SAME DAY EPOXY 4-INCH	LF	27,035.000	27,035.000
0190	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	42.000	42.000
0200	648.0100	LOCATING NO-PASSING ZONES	MI	2.140	2.140
0210	649.2100	TEMPORARY RAISED PAVEMENT MARKERS	EACH	365.000	365.000
0220	ASP.1T0A	ON-THE-JOB TRAINING APPRENTICE AT \$5.	HRS	1,200.000	1,200.000
		00/HR			
0230	ASP.1T0G	ON-THE-JOB TRAINING GRADUATE AT \$5.00/HR	HRS	600.000	600.000
0240	SPV.0125	SPECIAL 01. PREPARE EXISTING PAVEMENT	MI	6.690	6.690
		FOR ASPHALTIC SEAL COAT			
0250	SPV.0195	SPECIAL 01. SEAL COAT SPECIAL	TON	1,166.000	1,166.000

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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	

SEAL COAT SUMMARY

CATEGORY	STATION TO STATION	LOCATION	455.0500 ASPHATLIC MATERIAL TON	SPV.0195.01 SEAL COAT (SPECIAL) TON	REMARKS
0010	297+03 - 310+00	USH 12	8.9	60	
0010	310+00 - 325+00	USH 12	7.5	51	
0010	325+00 - 340+00	USH 12	7.2	48	
0010	340+00 - 355+00	USH 12	7.2	48	
0010	355+00 - 370+00	USH 12	7.9	53	
0010	370+00 - 385+00	USH 12	8.3	55	
0010	385+00 - 400+00	USH 12	7.2	48	
0010	400+00 - 405+00	USH 12	2.4	16	
0010	405+00 - 415+00	USH 12	5.8	39	
0010	415+00 - 418+00	USH 12	2.4	16	
0010	418+00 - 430+00	USH 12	11.2	75	
0010	430+00 - 445+00	USH 12	14.0	94	
0010	445+00 - 460+00	USH 12	14.0	94	
0010	460+00 - 475+00	USH 12	14.0	94	
0010	475+00 - 484+70	USH 12	9.1	61	
0010	484+70 - 486+20	EB USH 12	1.4	9	
0010	486+20 - 490+00	EB USH 12	1.8	12	
0010	490+00 - 505+00	EB USH 12	7.4	50	
0010	505+00 - 520+00	EB USH 12	7.2	48	
0010	520+00 - 531+85	EB USH 12	5.6	38	
0010	484+70A - 486+20A	WB USH 12	1.4	9	
0010	486+20A - 490+00A	WB USH 12	1.8	12	
0010	490+00A - 505+00A	WB USH 12	7.2	48	
0010	505+00A - 520+00A	WB USH 12	7.2	48	
0010	520+00A - 532+37A	WB USH 12	5.9	40	
		TOTAL 0010	174.0	1166	

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

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	

3

DELINEATOR FLEXIBLE						LOCATING NO-PASSING ZONES					
633.0200						648.0100					
CATEGORY	STATION TO	STATION	LOCATION	EACH	REMARKS	CATEGORY	STATION TO	STATION	LOCATION	MI	REMARKS
0010	454+00	- 458+00	USH 12, LT	3	WHITE; 200' SPACING	0010	300+00	- 413+23	USH 12	2.14	
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				TOTAL 0010	2.14	
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							
PROJECT NO: 1670-03-71		HWY: USH 12		COUNTY: SAUK		MISCELLANEOUS QUANTITIES			SHEET:		

PAVEMENT MARKING EPOXY 4-INCH SUMMARY

				646.0106	646.0406		
				EPOXY	SAME DAY		
				4-INCH	EPOXY		
CATEGORY	STATION TO	STATION	LOCATION	LF	4-INCH	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	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		
CATEGORY	STATION	LOCATION		LF	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	

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PERMANENT SIGNING SUMMARY

CATEGORY	STATION	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER	637.0202	638.2602	638.3000	634.0612	634.0614	634.0616	634.0618	NOTES
						LINES	SF	TYPE II	REMOVING	SMALL	POSTS	POSTS	POSTS	
							REFLECTIVE	SF	SF	SF	WOOD	WOOD	WOOD	
							TYPE II	TYPE II	SUPPORTS	X 12-FT	X 14-FT	X 16-FT	X 18-FT	
								EACH	EACH	EACH	EACH	EACH	EACH	
0010	1	302+80	USH 12 Right	I55-56	30" x 36"	Adopt a Highway [Sponsor]			1	1				Remove Sign
0010	2	303+00	USH 12 Right	I55-56	30" x 36"	Adopt a Highway [Sponsor]	St. Claire Hospital	7.50				1		New Sign
							St. Claire Meadows							
0010	3	306+00	USH 12 Right	R2-1	24" x 30"	Speed Limit (55)	55	5.00			1			New Sign
0010	4	308+00	USH 12 Right	D1-1	102" x 15"	One Destination (Arrow)	Skillet Creek Road ->	10.62			1	1		New Sign
0010	5	310+20	USH 12 Left	W1-2L	30" x 30"	Left Curve			1					Remove Sign
0010	6	310+20	USH 12 Left	W13-1	18" x 18"	Advisory Speed Plate		45	1	1				Remove Sign
						(Yellow Back)								
0010	7	310+20	USH 12 Right	W1-2L	30" x 30"	Left Curve			1					Remove Sign
0010	8	310+20	USH 12 Right	W13-1	18" x 18"	Advisory Speed Plate		45	1	1				Remove Sign
						(Yellow Back)								
0010	9	313+40	USH 12 Right	W1-2L	30" x 30"	Left Curve		6.25				1		New Sign
0010	10	313+40	USH 12 Right	W13-1	18" x 18"	Advisory Speed Plate		45						New Sign
						(Yellow Back)								
0010	11	313+40	USH 12 Left	W1-2L	30" x 30"	Left Curve		6.25				1		New Sign
0010	12	313+40	USH 12 Left	W13-1	18" x 18"	Advisory Speed Plate		45						New Sign
						(Yellow Back)								
0010	13	314+80	USH 12 Left	W1-2L	30" x 30"	Left Curve			1	1				Remove Sign
0010	14	318+60	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	15	318+60	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	16	319+80	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	17	320+00	USH 12 Right	W1-6	48" x 24"	Night Arrow (Single)		6.00	1	1				Change to High Relfective Sign
0010	18	320+00	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	19	321+20	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	20	321+20	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	21	322+00	USH 12 Left	M1-94	72" x 15"	Crossroad Name	Skillet Creek Road		1	2				Remove Sign
0010	22	322+00	USH 12 Left	D1-1	102" x 15"	One Destination (Arrow)	<- Skillet Creek Road	10.62			1	1		Change to High Relfective Sign
0010	23	322+40	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	24	322+40	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	25	323+60	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	26	323+60	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	27	324+50	USH 12 Right	W1-6	48" x 24"	Night Arrow (Single)		6.00	1	1				Change to High Relfective Sign
0010	28	324+50	USH 12 Right	W1-6	48" x 24"	Night Arrow (Single)		6.00	1	1				Change to High Relfective Sign
0010	29	324+80	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	30	324+80	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	31	326+00	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	32	326+00	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	33	327+20	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	34	327+20	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	35	327+80	USH 12 Right	W1-6	48" x 24"	Night Arrow (Single)		6.00	1	1				Change to High Relfective Sign
0010	36	328+40	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	37	328+40	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	38	330+00	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	39	330+00	USH 12 Right	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	40	330+20	USH 12 Left	S3-1	36" x 36"	School Bus Stop Ahead		9.00	1	1		1		Change to Size 3
0010	41	334+00	USH 12 Right	W1-2R	30" x 30"	Right Curve		6.25				1		New Sign
0010	42	334+00	USH 12 Right	W13-1	18" x 18"	Advisory Speed Plate		45						New Sign
						(Yellow Back)								
0010	43	334+00	USH 12 Left	W1-2R	30" x 30"	Right Curve		6.25				1		New Sign
0010	44	334+00	USH 12 Left	W13-1	18" x 18"	Advisory Speed Plate		45						New Sign
						(Yellow Back)								
0010	45	335+40	USH 12 Right	W1-2R	30" x 30"	Right Curve			1	1				Remove Sign
0010	46	335+40	USH 12 Right	W13-1	18" x 18"	Advisory Speed Plate		45	1					Remove Sign
						(Yellow Back)								
0010	47	335+40	USH 12 Left	W1-2R	30" x 30"	Right Curve			1	1				Remove Sign
0010	48	335+40	USH 12 Left	W13-1	18" x 18"	Advisory Speed Plate		45	1					Remove Sign
						(Yellow Back)								
0010	49	343+00	USH 12 Left	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	50	343+00	USH 12 Left	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	51	344+60	USH 12 Left	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	52	344+60	USH 12 Left	W1-8	18" x 24"	Chevron		3.00			1			New Sign
0010	53	346+20	USH 12 Left	W1-8	18" x 24"	Chevron		3.00			1			New Sign
Page 1 Total								175.74	16	13	0	28	8	0

Page 1 Total 175.74 16 13 0 28 8 0

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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 SIGNS TYPE II EACH	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	54	346+20	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	55	347+80	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	56	347+80	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	57	349+40	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	58	349+40	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	59	351+00	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	60	351+00	USH 12 Left	W1-8	18" x 24"		3.00				1			New Sign
0010	61	354+00	USH 12 Left	W1-2L	30" x 30"		6.25					1		New Sign
0010	62	356+00	USH 12 Right	D1-1	78" x 15"		8.12			1		1		New Sign
0010	63	356+50	USH 12 Left	D7-52	60" x 42"		17.50					2		New Sign
					Road to [Name State Park]									
					[1] Mile		1							
0010	64	357+50	USH 12 Left	W1-2L	30" x 30"			1	1					Remove Sign
0010	65	357+50	USH 12 Right	W1-2L	30" x 30"			1						Remove Sign
0010	66	357+50	USH 12 Right	M1-94	60" x 15"			1	2					Remove Sign
0010	67	365+40	USH 12 Left	D7-52	60" x 30"			1	2					Remove Sign
					Road to [Name State Park]									
					[1] Mile		1							
0010	68	368+00	USH 12 Right	D1-1	72" x 15"		7.50				2			New Sign
0010	69	369+00	USH 12 Left	M1-94	66" x 15"			1	2					Remove Sign
0010	70	369+20	USH 12 Right	M1-94	60" x 15"			1	2					Remove Sign
0010	71	370+00	USH 12 Left	D1-1	78" x 15"		8.12				1	1		New Sign
0010	72	370+50	USH 12 Left	W2-2	30" x 30"			1	1					Remove Sign
0010	73	372+00	USH 12 Left	W2-2	30" x 30"		6.25					1		New Sign
0010	74	375+30	Ski Hi Rd Right	R1-1	30" x 30"		9.00	1	1			1		Change to Size 3
0010	75	379+00	USH 12 Left	I55-56	30" x 36"		7.50	1	1			1		Change to High Relfective Sign
					Adopt a Highway [Sponsor]									
									St. Claire Hospital					
									St. Claire Meadows					
0010	76	380+20	USH 12 Right	W14-3	48" x 36"		6.00	1	1			1		Change to High Relfective Sign;
					No Passing Zone									Place after No Passing Zones Located
0010	77	382+50	USH 12 Left	M1-94	56" x 15"			1	2					Remove Sign
0010	78	383+50	USH 12 Left	D1-1	72" x 15"		7.50				2			New Sign
0010	79	387+80	USH 12 Left	W14-3	48" x 36"		6.00	1	1			1		Change to High Relfective Sign;
					No Passing Zone									Place after No Passing Zones Located
0010	80	411+50	USH 12 Right	W14-3	48" x 36"		6.00	1	1			1		Change to High Relfective Sign
0010	81	413+40	EB Median	R4-7	36" x 48"		12.00	1	1	1				Change to High Reflective Sign
0010	82	413+40	EB Median	W5-54	18" x 18"		2.25							New Sign
					Clearance Marker with									
					Yellow Type F Sheeting									
0010	83	417+40	WB Left	R5-1A	42" x 30"		8.75					1		New Sign
0010	84	417+50	WB Left	W6-2	36" x 36"		9.00					1		New Sign
0010	85	418+10	WB Left	R5-1A	36" x 24"			1						Remove Sign
0010	86	418+10	WB Left	W4-2R	36" x 36"			1	1					Remove Sign
					Lane Reduction Transition									
					Symbol - RIGHT									
0010	87	418+10	EB Median	W4-2R	36" x 36"			1						Remove Sign
					Lane Reduction Transition									
					Symbol - RIGHT									
0010	88	423+00	WB Left	W4-2R	36" x 36"		9.00					1		New Sign
					Lane Reduction Transition									
					Symbol - RIGHT									
0010	89	423+00	EB Median	W4-2R	36" x 36"		9.00					1		New Sign
					Lane Reduction Transition									
					Symbol - RIGHT									
0010	90	423+25	WB Left	W9-1R	36" x 36"			1	1					Remove Sign
0010	91	423+25	EB Median	W9-1R	36" x 36"			1	1					Remove Sign
0010	92	427+20	WB Left	W9-1R	36" x 36"		9.00					1		New Sign
0010	93	427+20	EB Median	W9-1R	36" x 36"		9.00					1		New Sign
					Right Lane Ends									
0010	94	428+30	WB Left	W6-2	36" x 36"			1	1					Remove Sign
0010	95	428+30	EB Median	W6-2	36" x 36"			1	1					Remove Sign
0010	96	438+90	EB Median	W11-3	36" x 36"			1	1					Remove Sign
0010	97	438+90	EB Right	W11-3	36" x 36"			1	1					Remove Sign
0010	98	443+00	EB Median	W11-5	36" x 36"			1						Remove Sign
0010	99	443+00	EB Median	W7-1	36" x 36"		9.00	1	1			1		Change to High Reflective Sign
0010	100	443+00	EB Median	W7-3	24" x 18"		3.00							New Sign
					[%] Grade									
0010	101	447+80	WB Left	W11-5	36" x 36"		9.00						1	New Sign
					Farm Machinery Symbol									
0010	102	451+50	EB Median	W1-2L	36" x 36"			1	1					Remove Sign
0010	103	451+50	EB Right	W1-2L	36" x 36"			1	1					Remove Sign
0010	104	454+50	EB Median	W8-54	36" x 36"			1	1					Remove Sign
0010	105	454+50	EB Median	W8-14	36" x 36"		9.00					1		New Sign
0010	106	454+50	EB Right	W8-54	36" x 36"			1	1					Remove Sign
					Watch for Fallen Rocks									
					Fallen Rocks									
					Watch for Fallen Rocks									
Page 2 Total							214.74	29	30	1	13	19	1	

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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	SIGNS	REMOVING	SMALL	WOOD	WOOD	WOOD	
							TYPE II SF	TYPE II EACH	SUPPORTS EACH	X 12-FT EACH	X 14-FT EACH	X 16-FT EACH	X 18-FT EACH	
0010	107	454+50	EB Right	W8-14	36" x 36"		9.00						1	New Sign
0010	108	469+20	WB Left	W1-2R	36" x 36"			1	1					Remove Sign
0010	109	469+20	EB Median	W1-2R	36" x 36"			1						Remove Sign
0010	110	469+20	EB Median	W1-2L	36" x 36"			1	1					Remove Sign
0010	111	469+20	EB Right	W1-2L	36" x 36"			1	1					Remove Sign
0010	112	482+20	EB Median	W1-2R	36" x 36"			1	1					Remove Sign
0010	113	482+20	EB Right	W1-2R	36" x 36"			1	1					Remove Sign
0010	114	486+00A	WB Left	W1-2R	36" x 36"			1	1					Remove Sign
0010	115	486+00A	WB Median	W1-2R	36" x 36"			1	1					Remove Sign
0010	116	500+20	EB Median	R3-4B	36" x 48"		12.00					1		New Sign
0010	117	501+50A	WB Median	R3-4B	36" x 48"		12.00					1		New Sign
0010	118	509+00A	WB Left	W1-2L	36" x 36"			1	1					Remove Sign
0010	119	509+00A	WB Median	W1-2L	36" x 36"			1	1					Remove Sign
0010	120	512+50A	WB Left	W11-5	36" x 36"			1	1					Remove Sign
0010	121	512+50A	WB Median	W11-5	36" x 36"			1	1					Remove Sign
0010	122	518+30	EB Right	D1-1	84" x 21"	Groth Rd ->	12.25				1	1		New Sign
0010	123	519+00	EB Right	M1-94	72" x 21"	Crossroad Name Groth Rd		1	2					Remove Sign
0010	124	523+00	EB Median	R5-1A	36" x 24"			1	1					Remove Sign
0010	125	523+50	EB Median	R5-1A	42" x 30"		8.75						1	New Sign
0010	126	525+30	EB Median	R5-1	36" x 36"		9.00	1	1				1	Change to Size 3 & High Reflective
0010	127	525+85	EB Median	R6-1R	24" x 30"	One Way RIGHT Arrow	5.00	1	1		1			Change to High Reflective
0010	128	526+00	Groth Rd Right	R1-1	36" x 36"	Stop	9.00						1	Change to High Reflective
0010	129	526+90	EB Right	M1-94		Crossroad Name Kings Corner Rd		1	2					Remove Sign
0010	130	526+90	EB Right	D1-1	132" x 21"	One Destination (Arrow) Kings Corner Rd ->	19.25				1	1		New Sign
0010	131	529+40	EB Median	R5-1A	36" x 24"			1	1					Remove Sign
0010	132	529+90	EB Median	R5-1A	42" x 30"		8.75						1	New Sign
0010	133	531+90	EB Median	R5-1	36" x 36"		9.00	1	1				1	Change to Size 3 & High Reflective
0010	134	532+00	EB Median	R4-7	36" x 48"	Keep Right	12.00						1	New Sign
0010	135	532+50A	Kings Corner Rd Lt	R1-1	36" x 36"	Stop	9.00	1	1				1	Change to High Reflective
0010	136	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	137	532+50A	Kings Corner Rd Lt	R6-1R	36" x 12"	One Way RIGHT Arrow	3.00							New Sign
0010	138	532+50A	Kings Corner Rd Lt	R6-1L	36" x 12"	One Way LEFT Arrow	3.00							New Sign
0010	139	532+90	Kings Corner Rd Rt	R1-1	36" x 36"	Stop	9.00	1	1				1	Change to High Reflective
0010	140	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	141	532+90	Kings Corner Rd Rt	R6-1R	36" x 12"	One Way RIGHT Arrow	3.00							New Sign
0010	142	532+90	Kings Corner Rd Rt	R6-1L	36" x 12"	One Way LEFT Arrow	3.00							New Sign
0010	143	533+10	EB Right	I55-56	30" x 36"	Adopt a Highway [Sponsor]		1	1					Remove Sign
0010	144	533+10	EB Right	I55-56	30" x 36"	Adopt a Highway [Sponsor] Sauk Prairie Ambulance Association	7.50					1		New Sign
0010	145	533+80A	WB Left	R5-1	30" x 30"			1	1					Remove Sign
0010	146	533+90A	WB Median	R4-7	36" x 48"	Keep Right	12.00					1		New Sign
0010	147	534+00A	WB Median	R5-1	36" x 36"	Do Not Enter	9.00					1		New Sign
0010	148	535+75A	WB Median	R5-1A	42" x 30"	Wrong Way	8.75					1		New Sign
0010	149	536+50A	WB Left	R5-1A	36" x 24"	Wrong Way		1	1					New Sign
0010	150	540+00A	WB Median	M1-94		Crossroad Name Kings Corner Rd		1	2					Remove Sign
0010	151	541+50A	WB Median	D1-1	132" x 21"	One Destination (Arrow) <- Kings Corner Rd	19.25				1	1	1	New Sign
0010	152	551+00	EB Median	R3-55L	24" x 30"	Left Turn Lane		1	1					Remove Sign
0010	153	551+00	EB Median	R5-1A	36" x 24"	Wrong Way		1						Remove Sign
0010	154	551+50	EB Median	R5-1A	42" x 36"	Wrong Way	8.75					1		New Sign
0010	155	553+60	EB Median	R5-1	36" x 36"	Do Not Enter	9.00	1	1			1		Change to Size 3 & High Reflective
0010	156	553+80	EB Median	R4-7	36" x 48"	Keep Right	12.00	1	1			1		Change to High Reflective
0010	157	554+40	North Road Rt	R1-1	36" x 36"	Stop	9.00	1	1				1	Change to High Reflective
0010	158	554+40	North Road Rt	R6-3	30" x 24"	Divided Highway Crossing Sign and Intersection	5.00	1						Change to High Reflective
0010	159	554+40	North Road Rt	R6-1R	36" x 12"	One Way RIGHT Arrow	3.00							New Sign
0010	160	554+40	North Road Rt	R6-1L	36" x 12"	One Way LEFT Arrow	3.00							New Sign
0010	161	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

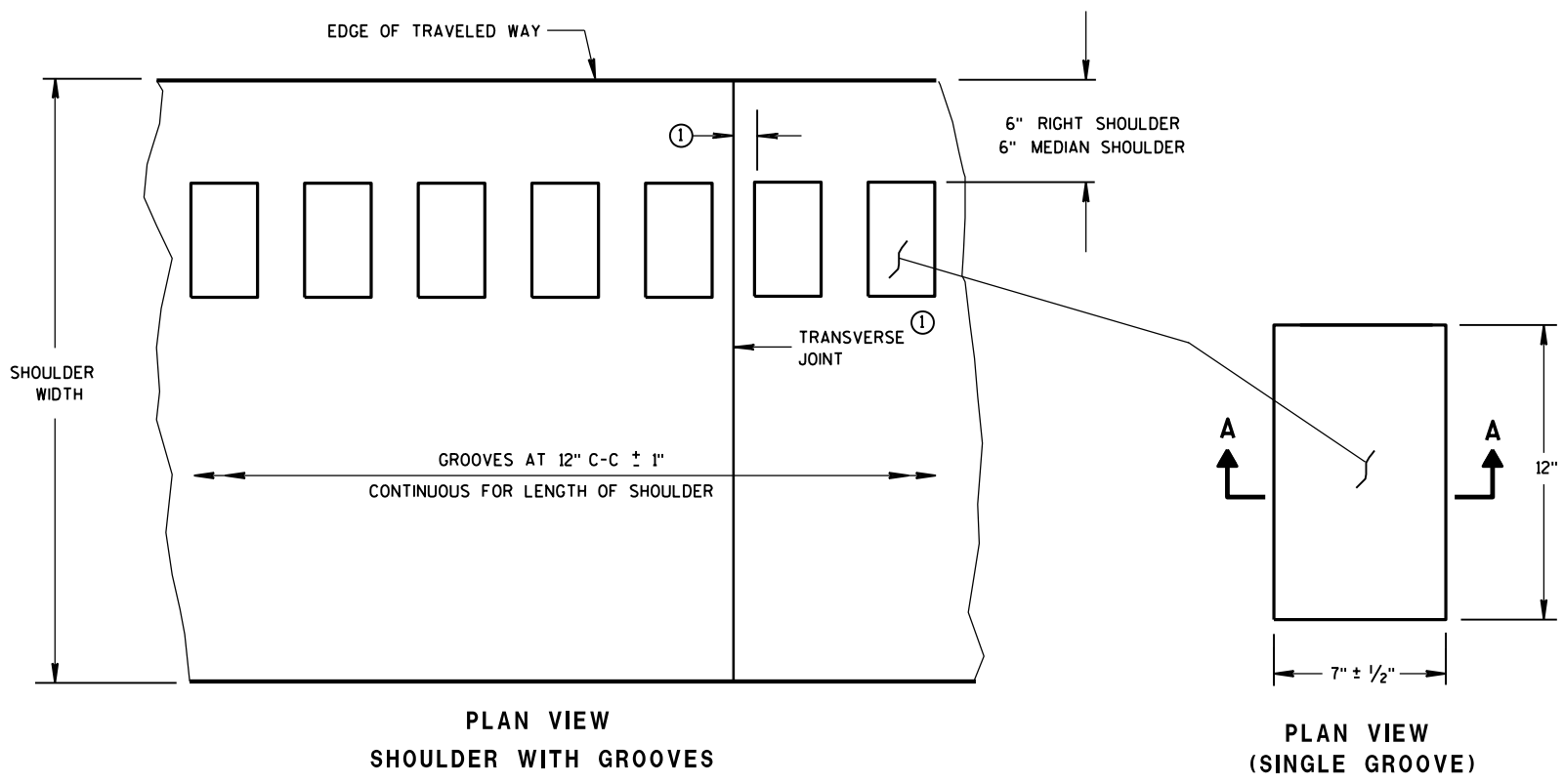
3

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	REMOVING	REMOVING	POSTS	POSTS	POSTS	POSTS	
							TYPE II SF	TYPE II EACH	SIGN 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	162	554+75A	WB Left	R6-3	30" x 24"		5.00	1						Change to High Reflective
0010	163	554+75A	WB Left	R6-1R	36" x 12"									New Sign
0010	164	554+75A	WB Left	R6-1L	36" x 12"									New Sign
0010	165	555+20	EB Right	D7-52	72" x 42"								2	New Sign
0010	166	555+20A	WB Median	R4-7	36" x 48"		12.00	1	1			1		Change to Size 3 & High Reflective
0010	167	555+30A	WB Left	R5-1	30" x 30"			1	1					Remove Sign
0010	168	555+40A	WB Median	R5-1	36" x 36"		9.00					1		New Sign
0010	169	557+30A	WB Median	R5-1A	42" x 30"		8.75					1		New Sign
0010	170	558+00A	WB Left	R5-1A	36" x 24"			1	1					Remove Sign
0010	171	558+40	EB Median	R3-55L	24" x 30"			1	1					Remove Sign
0010	172	558+40	EB Median	R5-1A	36" x 24"			1						Remove Sign
0010	173	558+85	EB Right	D7-52	72" x 42"			1	2					Remove Sign
0010	174	560+00	EB Median	R5-1A	42" x 30"		8.75					1		New Sign
0010	175	562+00	EB Median	R5-1	30" x 30"			1	1					Remove Sign
0010	176	562+20	EB Median	R5-1	36" x 36"		9.00					1		New Sign
0010	177	562+40	EB Median	R4-7	36" x 48"		12.00					1		New Sign
0010	178	563+05A	WB Left	R1-1	36" x 36"		9.00	1	1				1	Change to High Reflective
0010	179	563+05A	WB Left	R6-3	30" x 24"		5.00	1						Change to High Reflective
0010	180	563+05A	WB Left	R6-1R	36" x 12"		3.00							New Sign
0010	181	563+05A	WB Left	R6-1L	36" x 12"		3.00							New Sign
0010	182	563+10	East Road Rt	R1-1	36" x 36"		9.00	1	1				1	Change to High Reflective
0010	183	563+10	East Road Rt	R6-3	30" x 24"		5.00	1						Change to High Reflective
0010	184	563+10	East Road Rt	R6-1R	36" x 12"		3.00							New Sign
0010	185	563+10	East Road Rt	R6-1L	36" x 12"		3.00							New Sign
0010	186	563+90A	WB Median	R4-7	36" x 48"		12.00					1		New Sign
0010	187	564+10A	WB Median	R5-1	36" x 36"		9.00					1		New Sign
0010	188	564+40A	WB Left	R5-1	30" x 30"			1	1					Remove Sign
0010	189	565+30A	WB Median	R5-1A	42" x 30"		8.75					1		New Sign
0010	190	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							832.98	93	86	1	45	54	11	

3

Standard Detail Drawing List

13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13A05-05B	SHOULDER 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



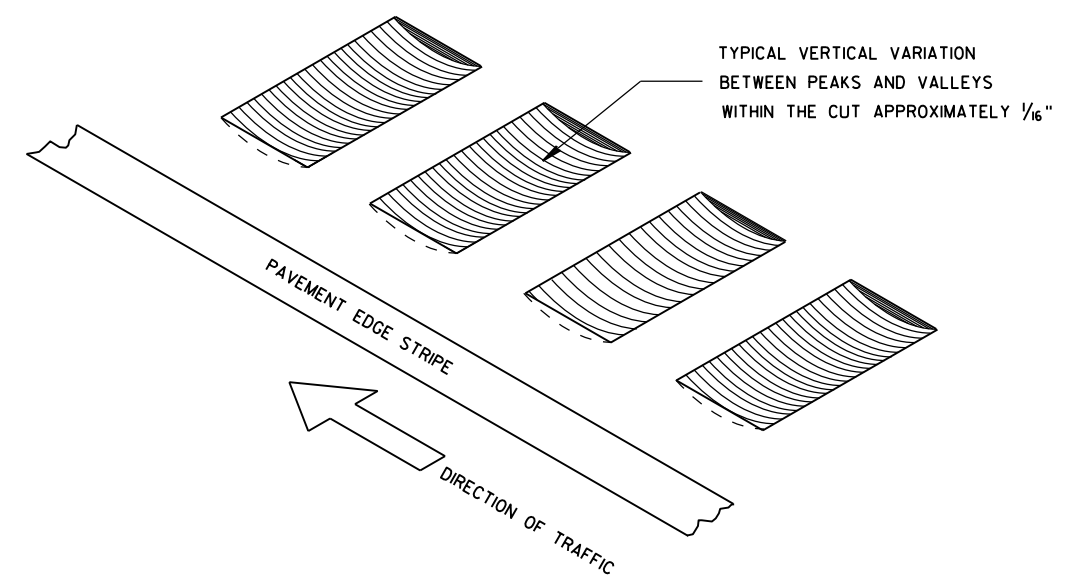
PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

GENERAL NOTES

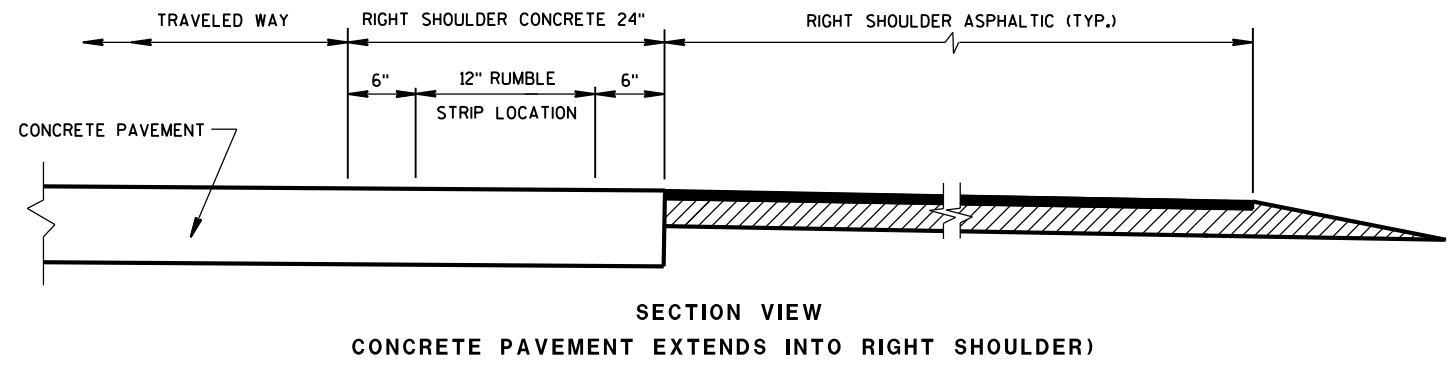
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

RUMBLE STRIPS ON EXPRESSWAYS
DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS, PRIVATE DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, BRIDGE DECKS, BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSING. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

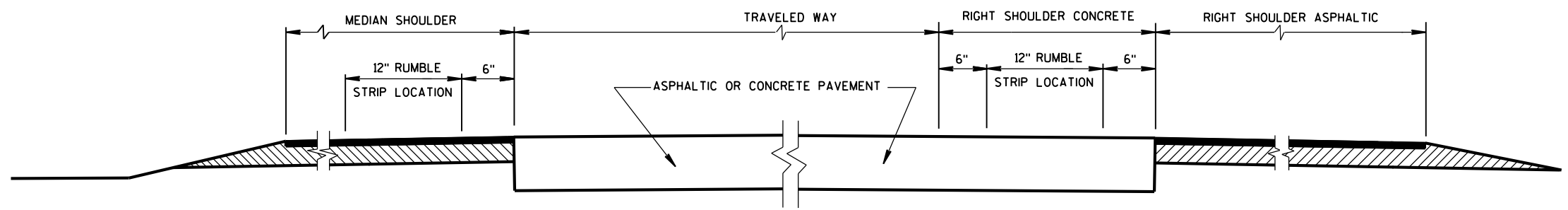
① CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



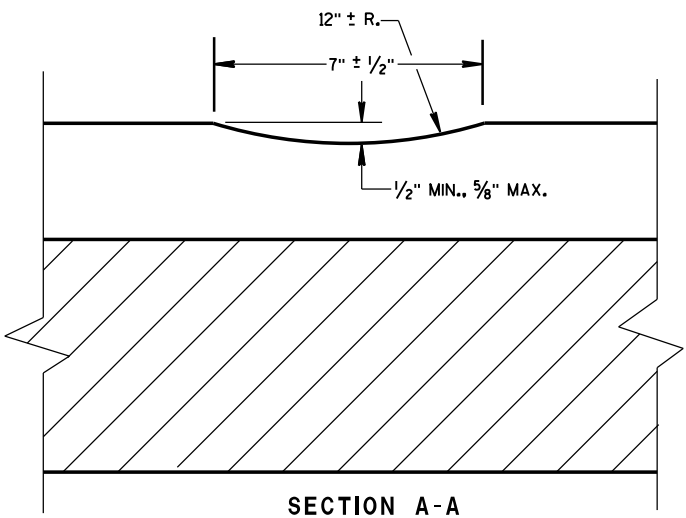
ISOMETRIC



SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



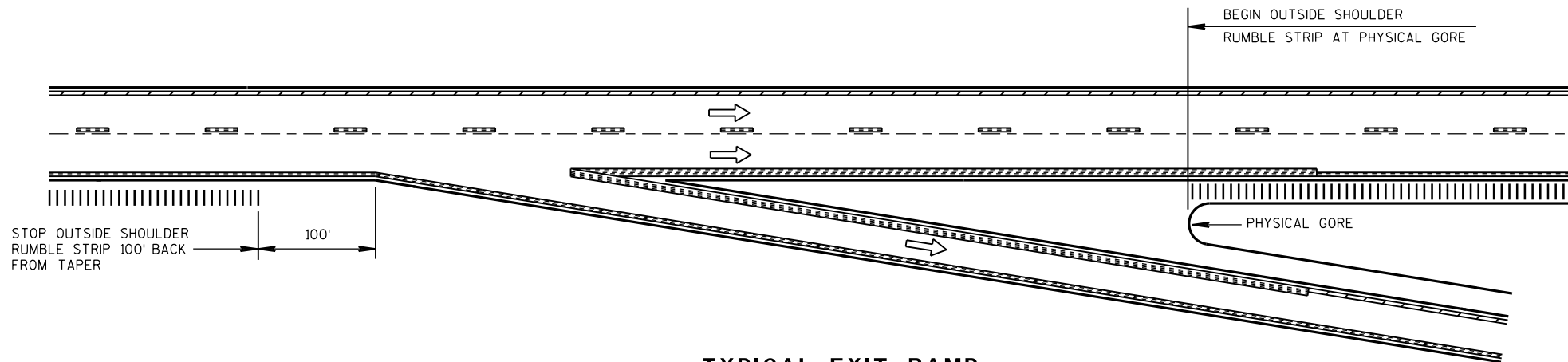
SECTION VIEW
TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS
IN RURAL DIVIDED HIGHWAYS
(ONE ROADWAY IS SHOWN)



SECTION A-A

SHOULDER RUMBLE STRIP,
MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



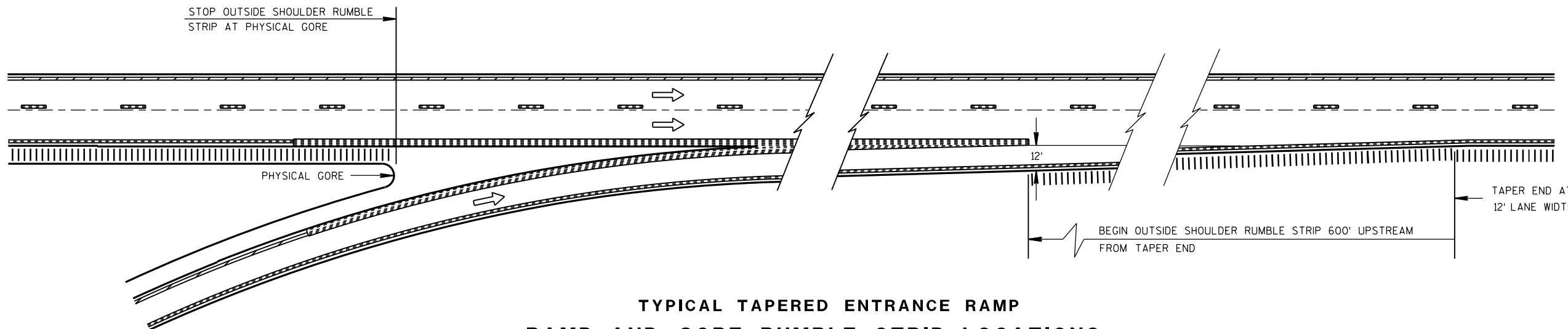
TYPICAL EXIT RAMP

NOTES:

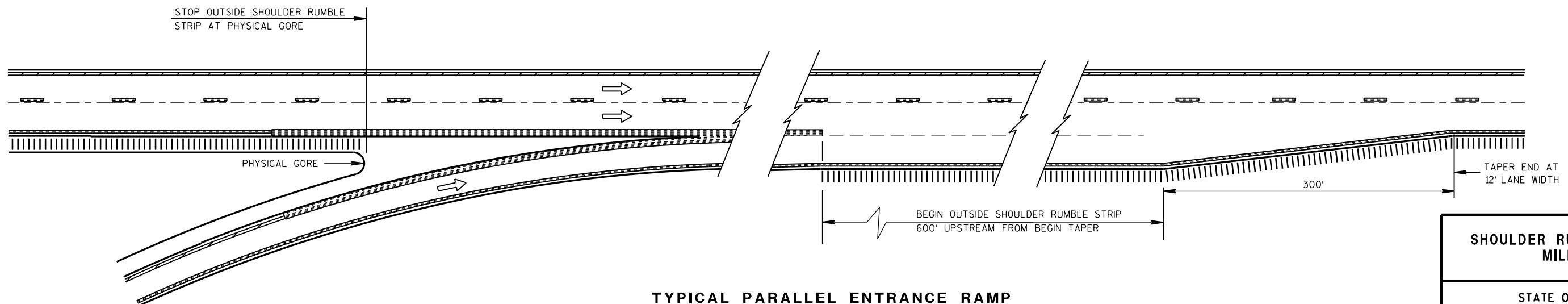
NO RUMBLE STRIP ON EXIT, DIRECTIONAL, OR ENTRANCE RAMPS, EXCEPT NEAR THE ENTRANCE TAPER END AND ALONG THE PARALLEL RAMP AREA AS SHOWN.

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

NOTE:
ARROW SYMBOL (→)
SHOWS DIRECTION OF TRAVEL



**TYPICAL TAPERED ENTRANCE RAMP
RAMP AND GORE RUMBLE STRIP LOCATIONS**



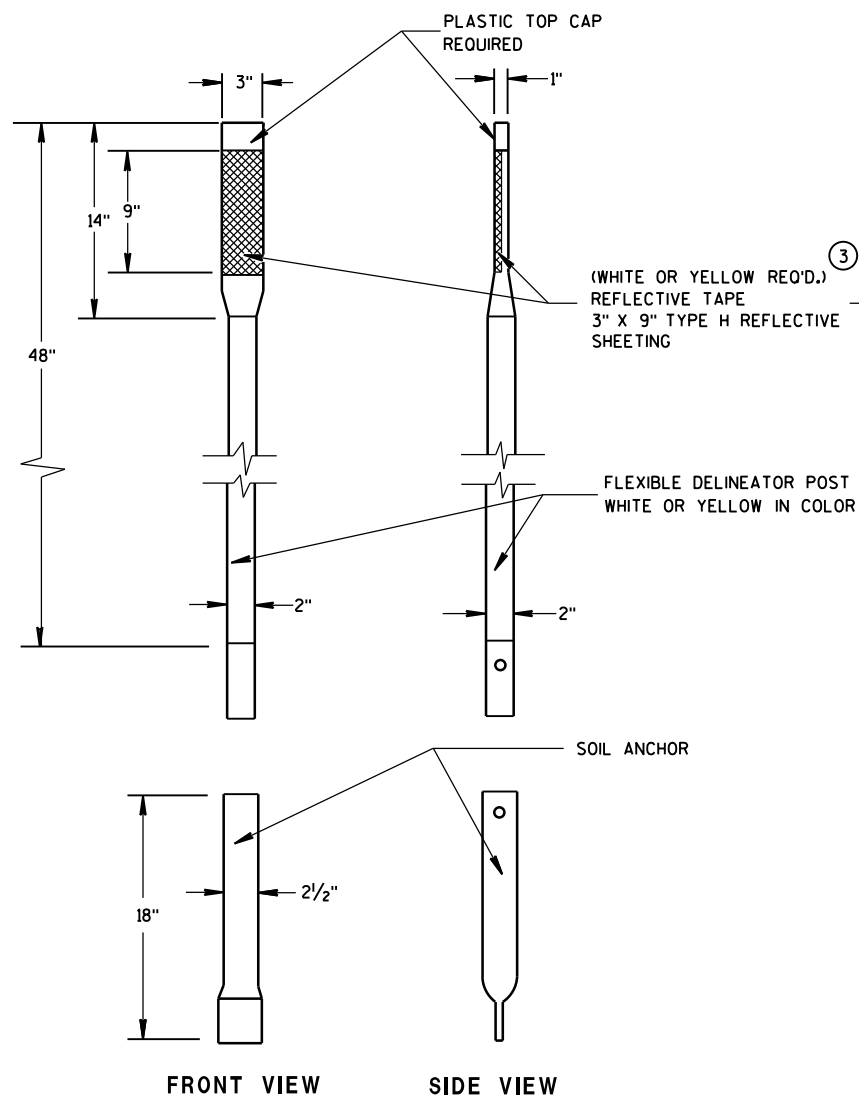
**TYPICAL PARALLEL ENTRANCE RAMP
RAMP AND GORE RUMBLE STRIP LOCATIONS**

**SHOULDER RUMBLE STRIP,
MILLING**

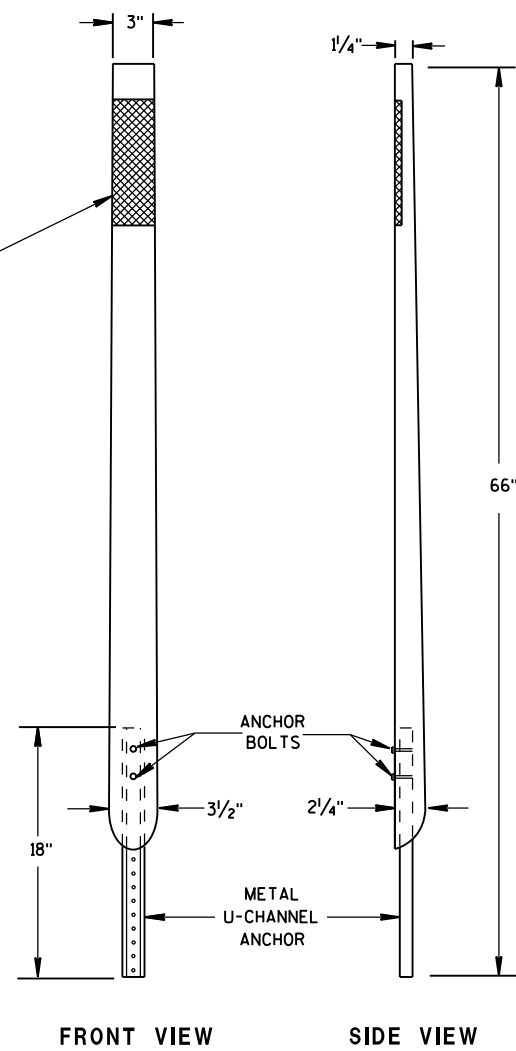
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/17/2012
DATE
FHWA

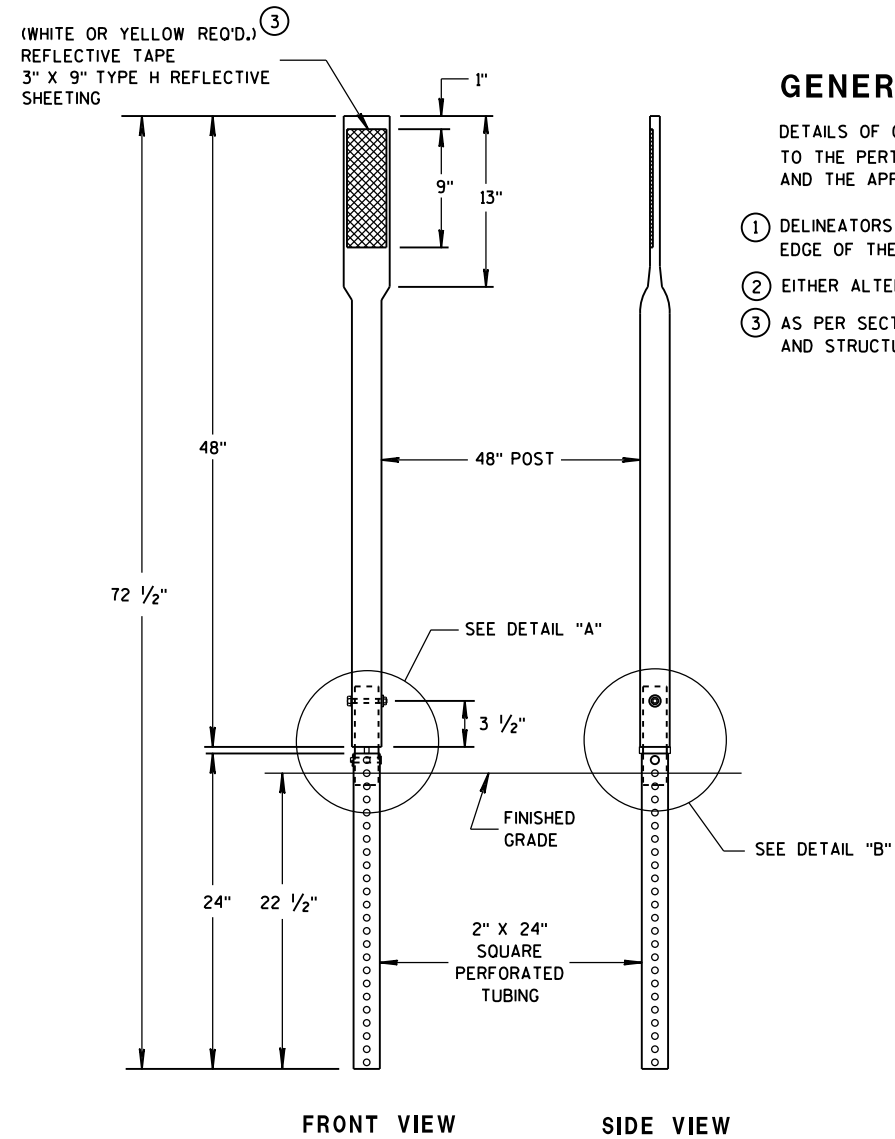
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER



ALTERNATE 1



ALTERNATE 2

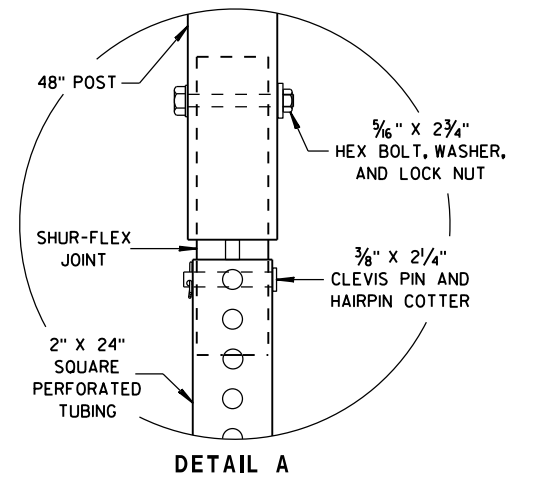


ALTERNATE 3

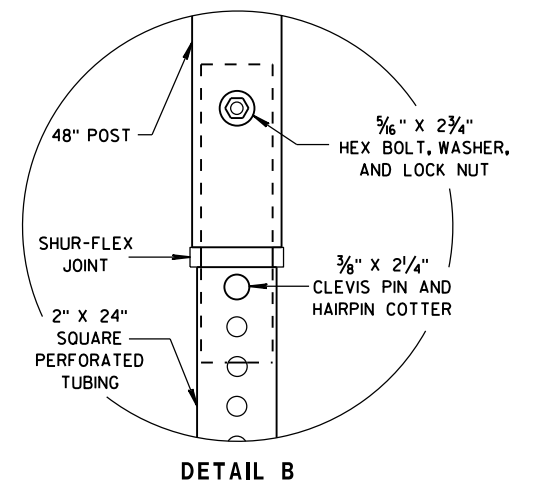
GENERAL NOTES

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

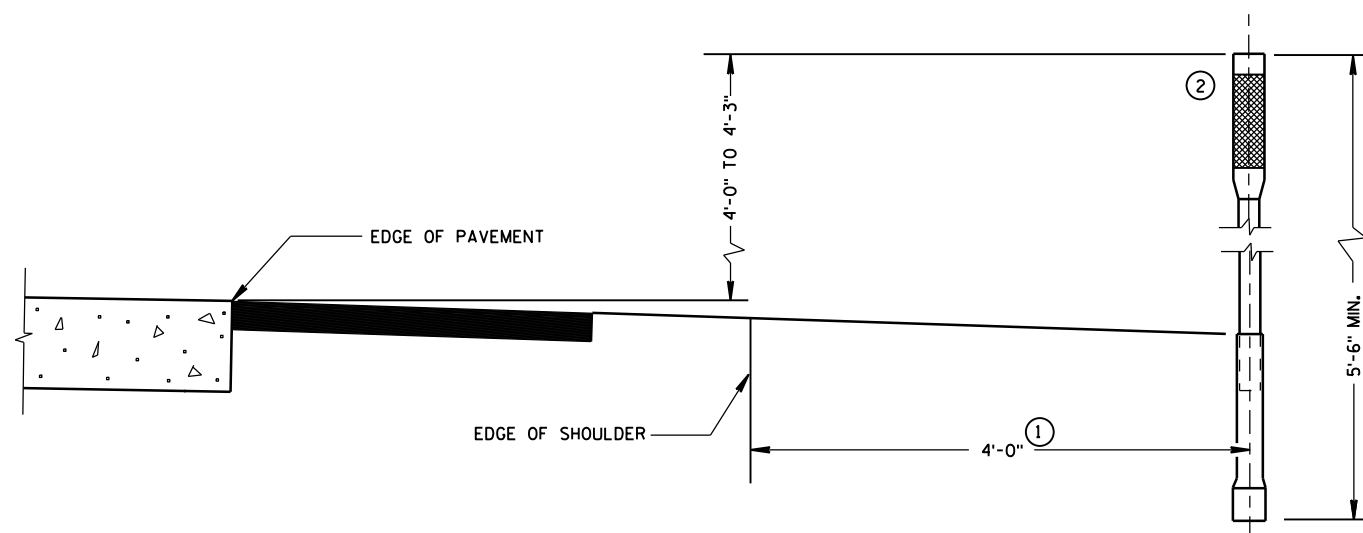
- ① DELINEATORS SHALL BE PLACED AT A CONSTANT DISTANCE FROM THE EDGE OF THE SHOULDER FOR THE LENGTH OF THE INSTALLATION.
- ② EITHER ALTERNATE NO.1, NO.2 OR NO.3 MAY BE FURNISHED.
- ③ AS PER SECTION 637.2.2.2. OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.



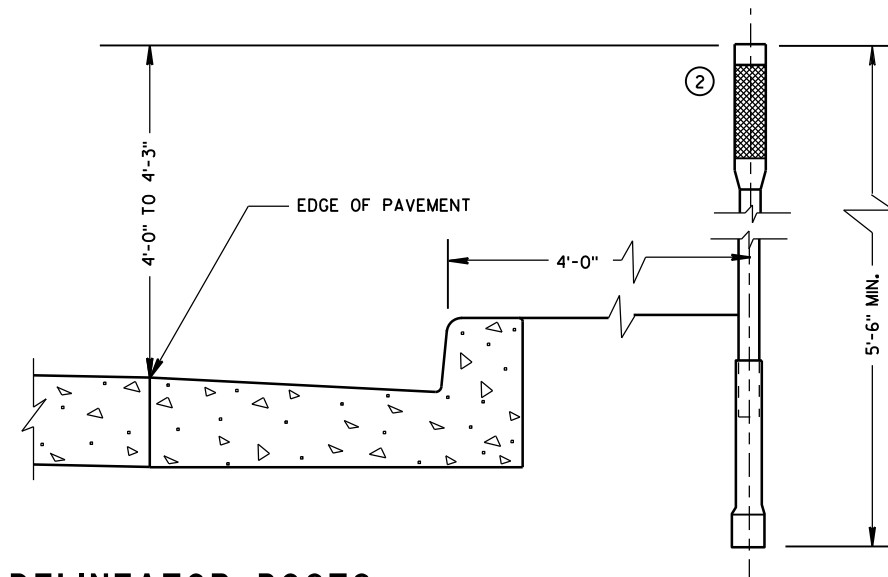
DETAIL A



DETAIL B



TYPICAL INSTALLATIONS OF FLEXIBLE DELINEATOR POSTS

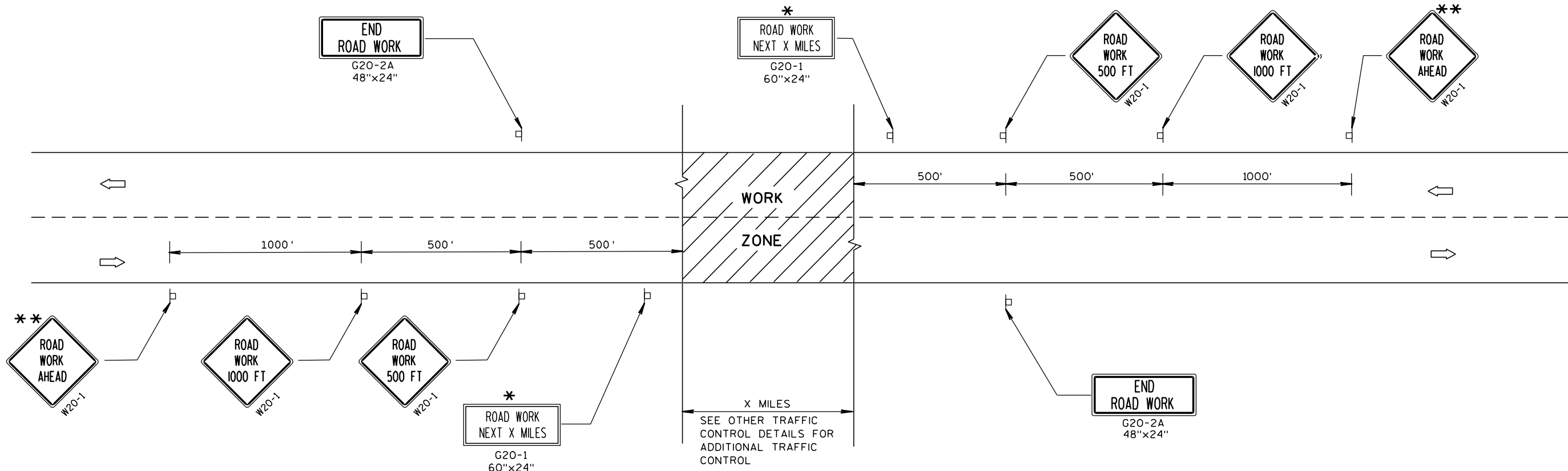


FLEXIBLE DELINEATOR POST

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.

CENTER OF ROADWAY

MAINLINE ROADWAY UNDER CONSTRUCTION

SIDEROAD

500' MAX., OR AT
LAST INTERSECTION,
WHICHEVER IS CLOSER

LEGEND

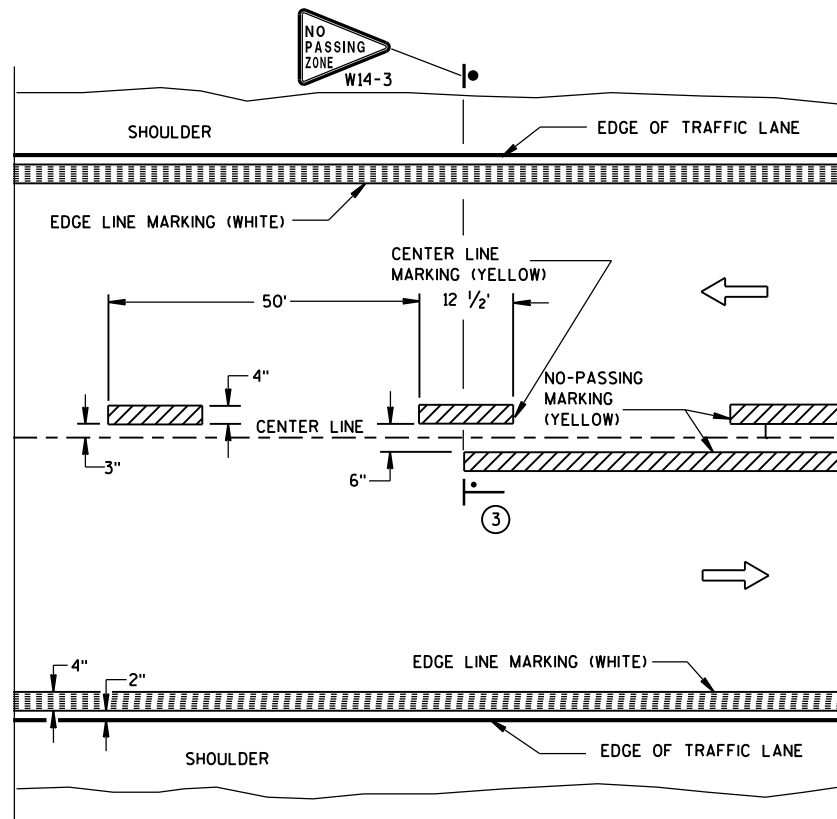
POST MOUNTED SIGN

DIRECTION OF TRAFFIC FLOW

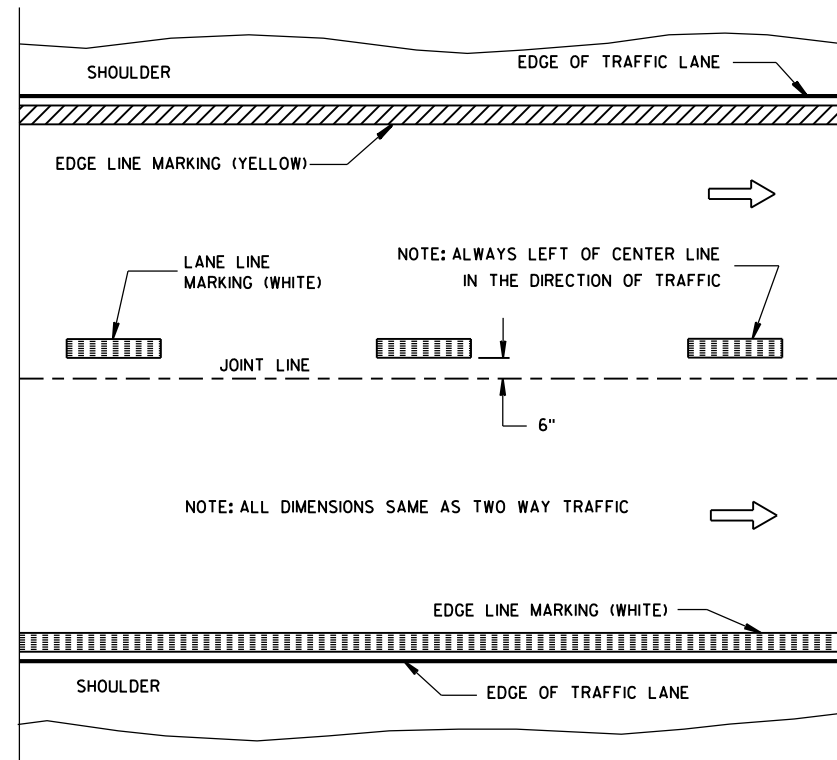
TRAFFIC CONTROL, ADVANCE
WARNING SIGNS 45 M.P.H.
OR GREATER TWO-WAY
UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

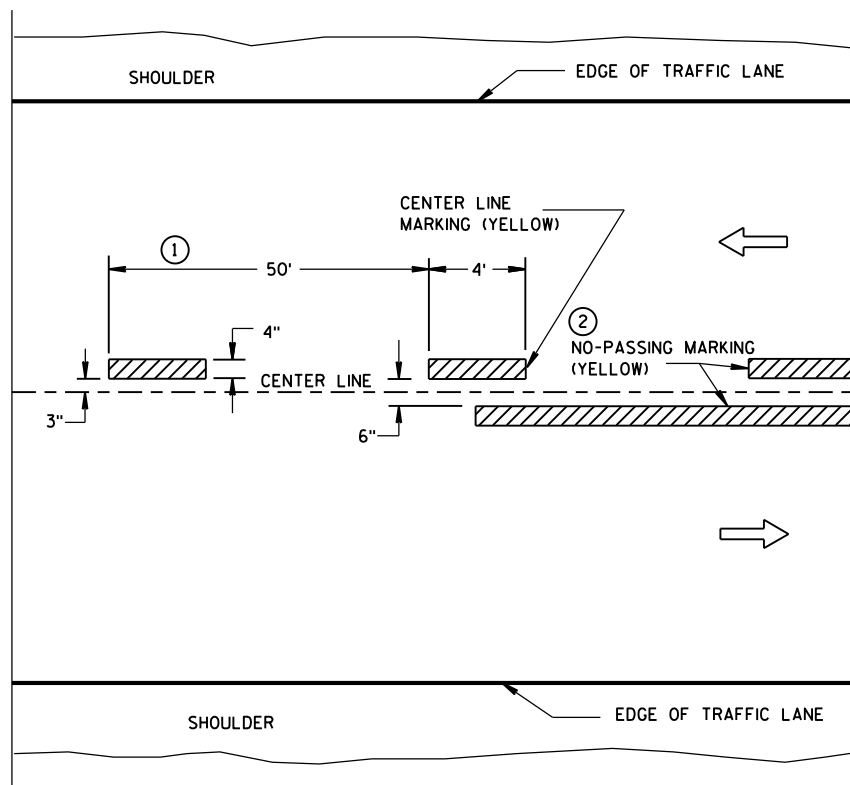


TWO WAY TRAFFIC

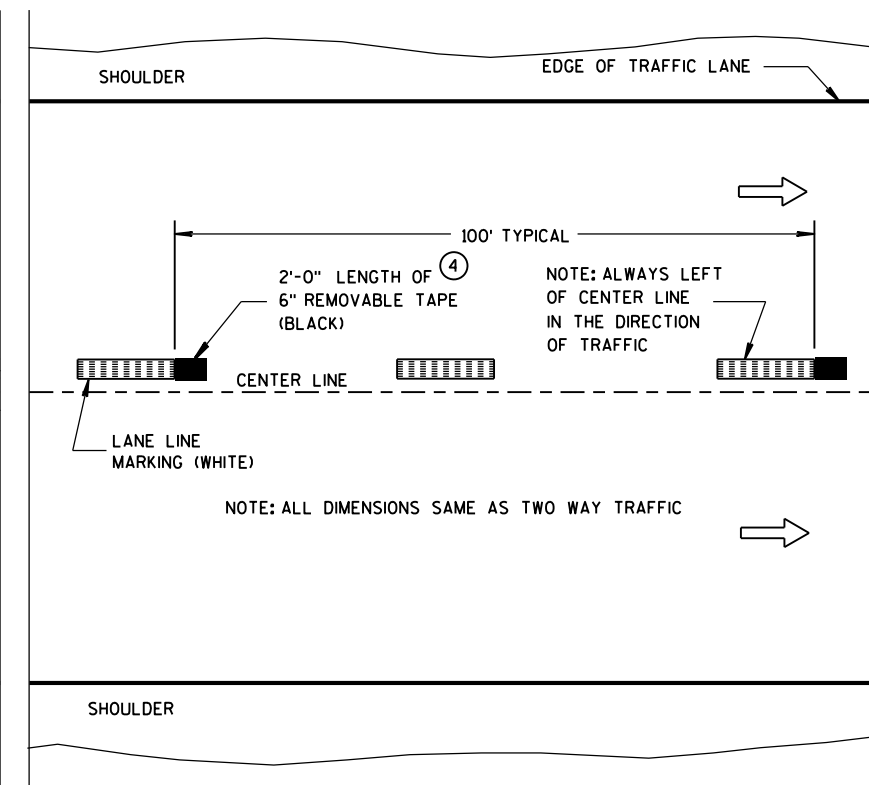


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

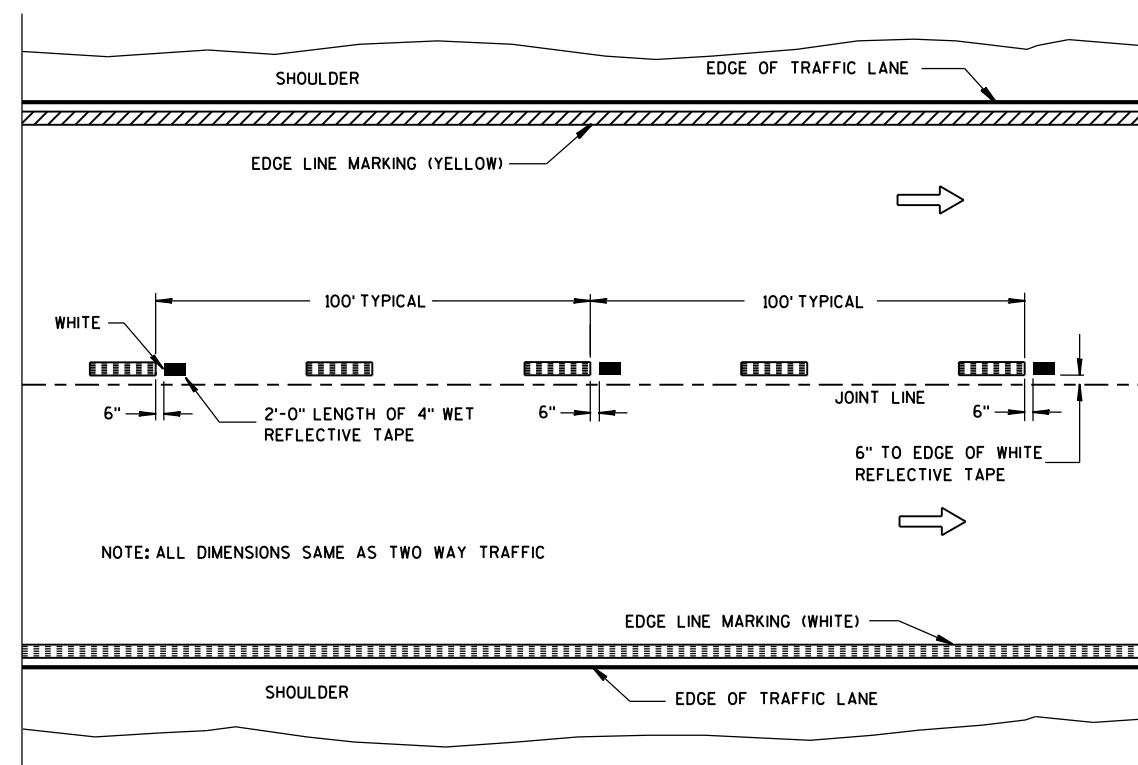
GENERAL NOTES

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**

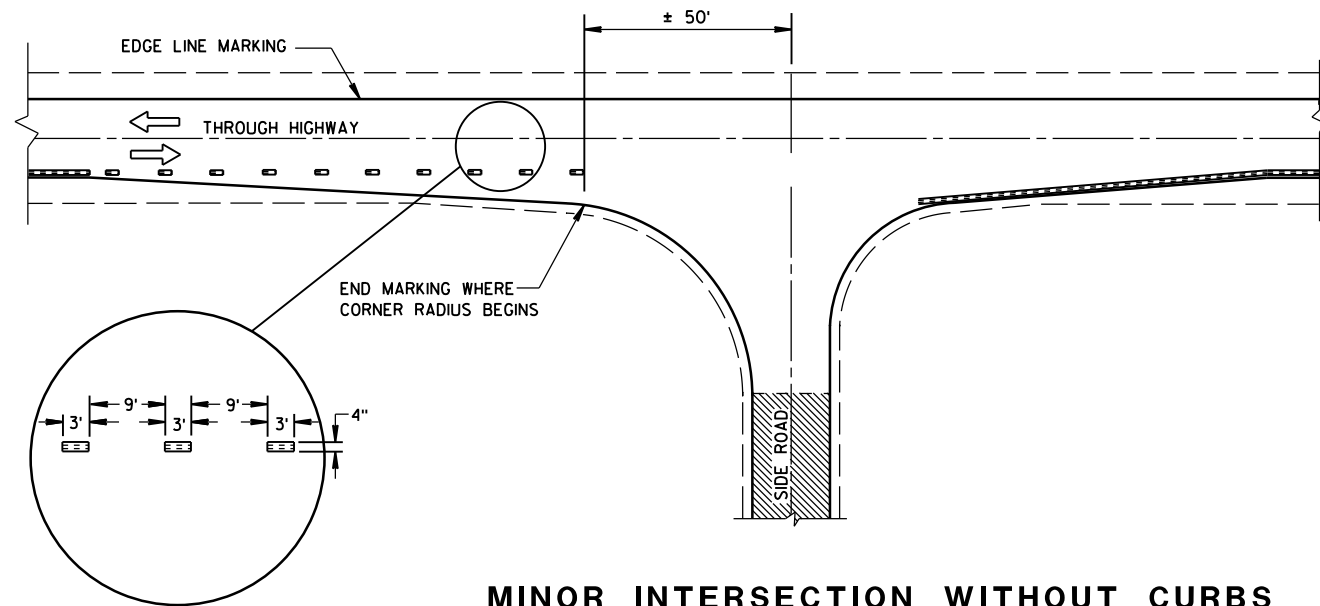
LEGEND

- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

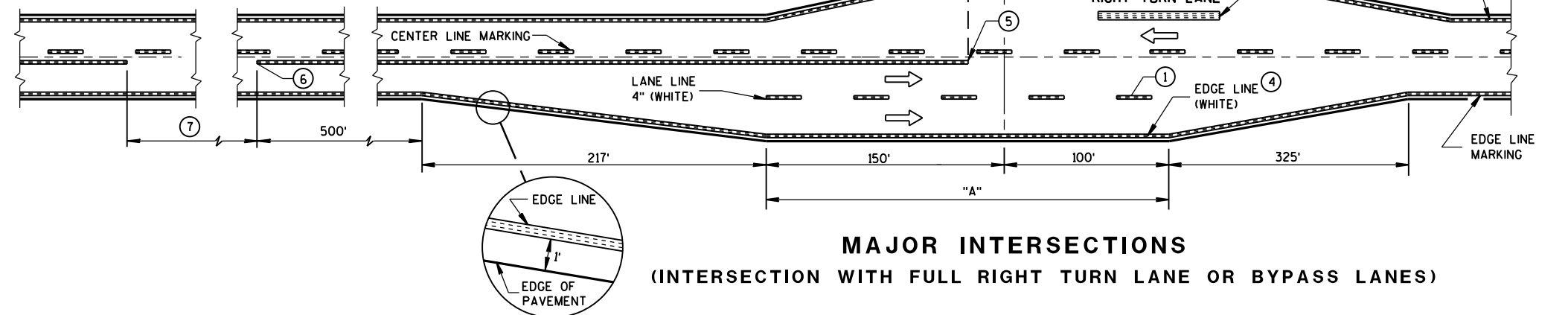
APPROVED
10-1-2012 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



MINOR INTERSECTION WITHOUT CURBS

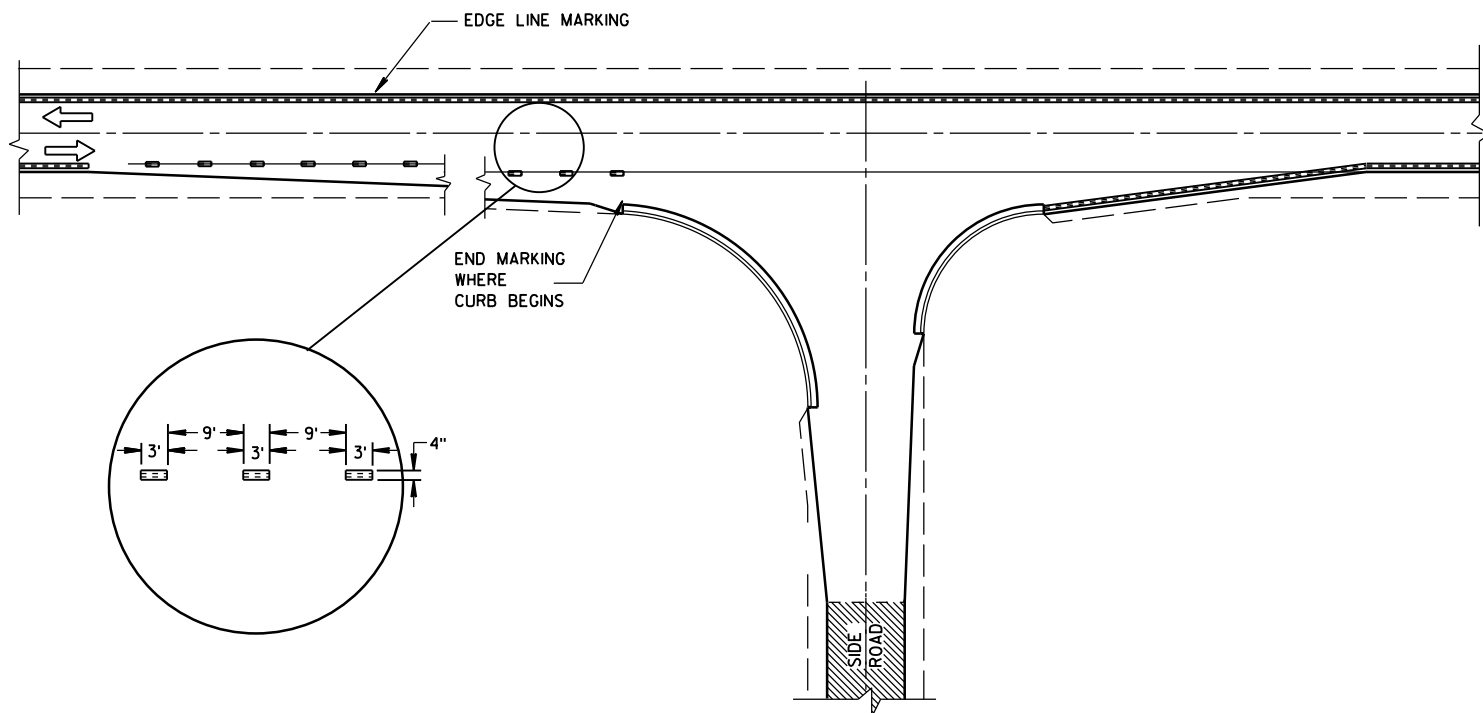
⑦

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

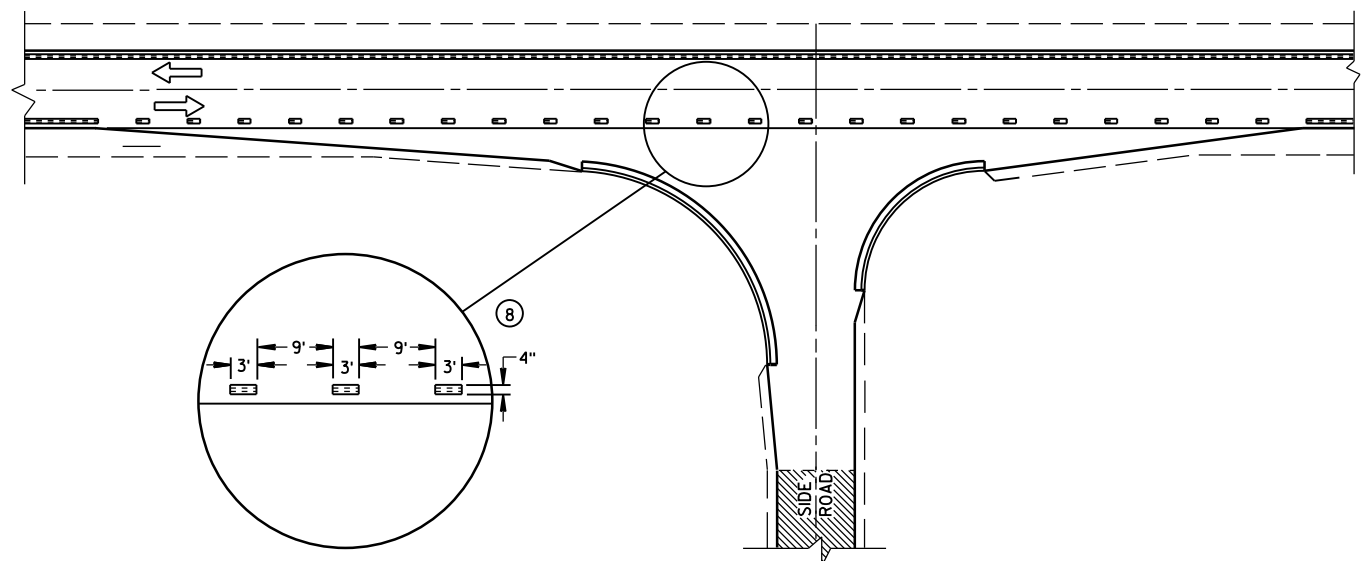


GENERAL NOTES

- 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



**MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)**



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

**PAVEMENT MARKING
(INTERSECTIONS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TWO-LANE ROADWAY

SYMBOLS

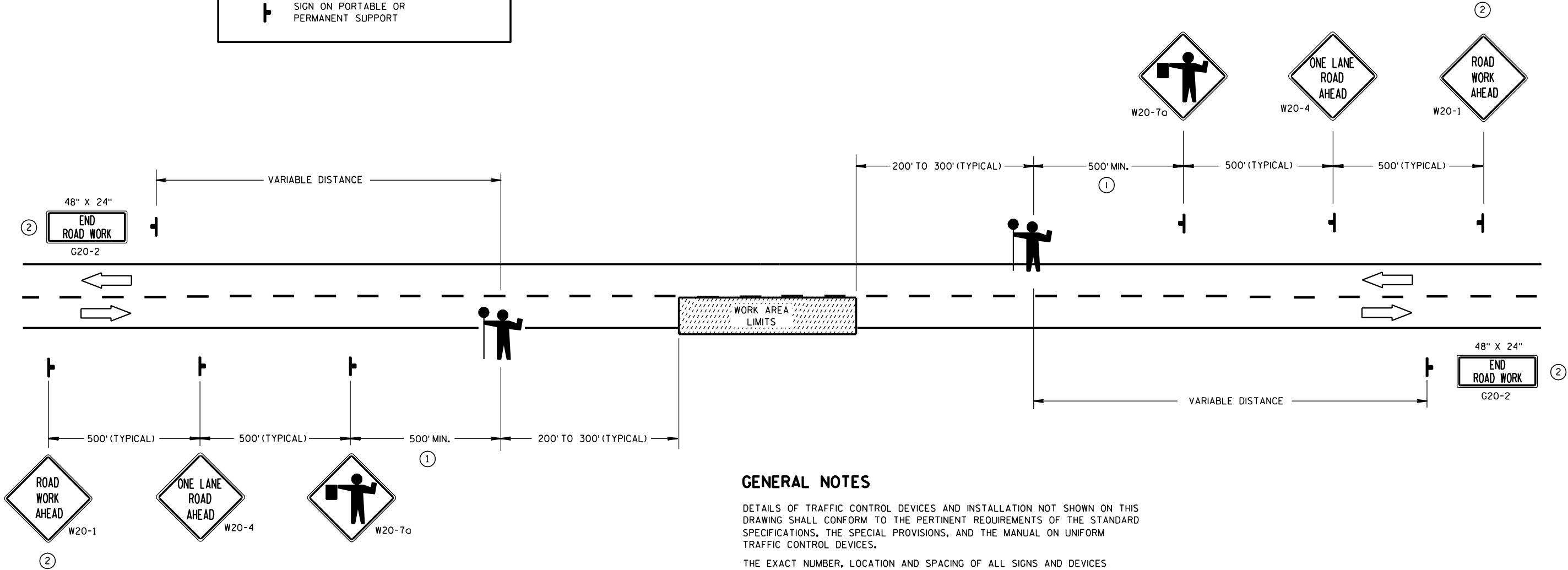
 WORK AREA

 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

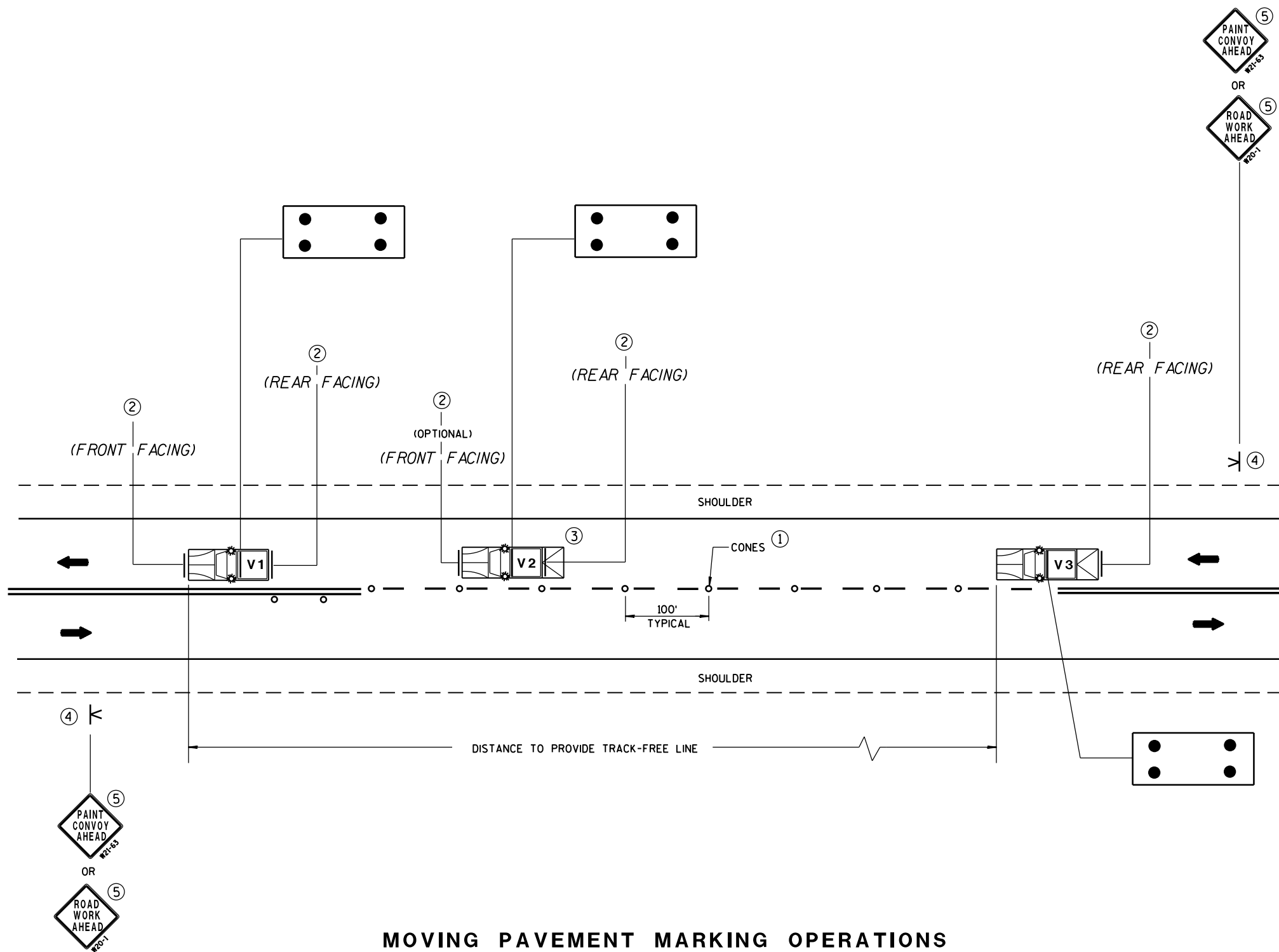
FOR A MOVING WORK OPERATION, SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- ②

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.

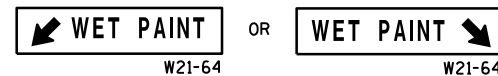
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

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

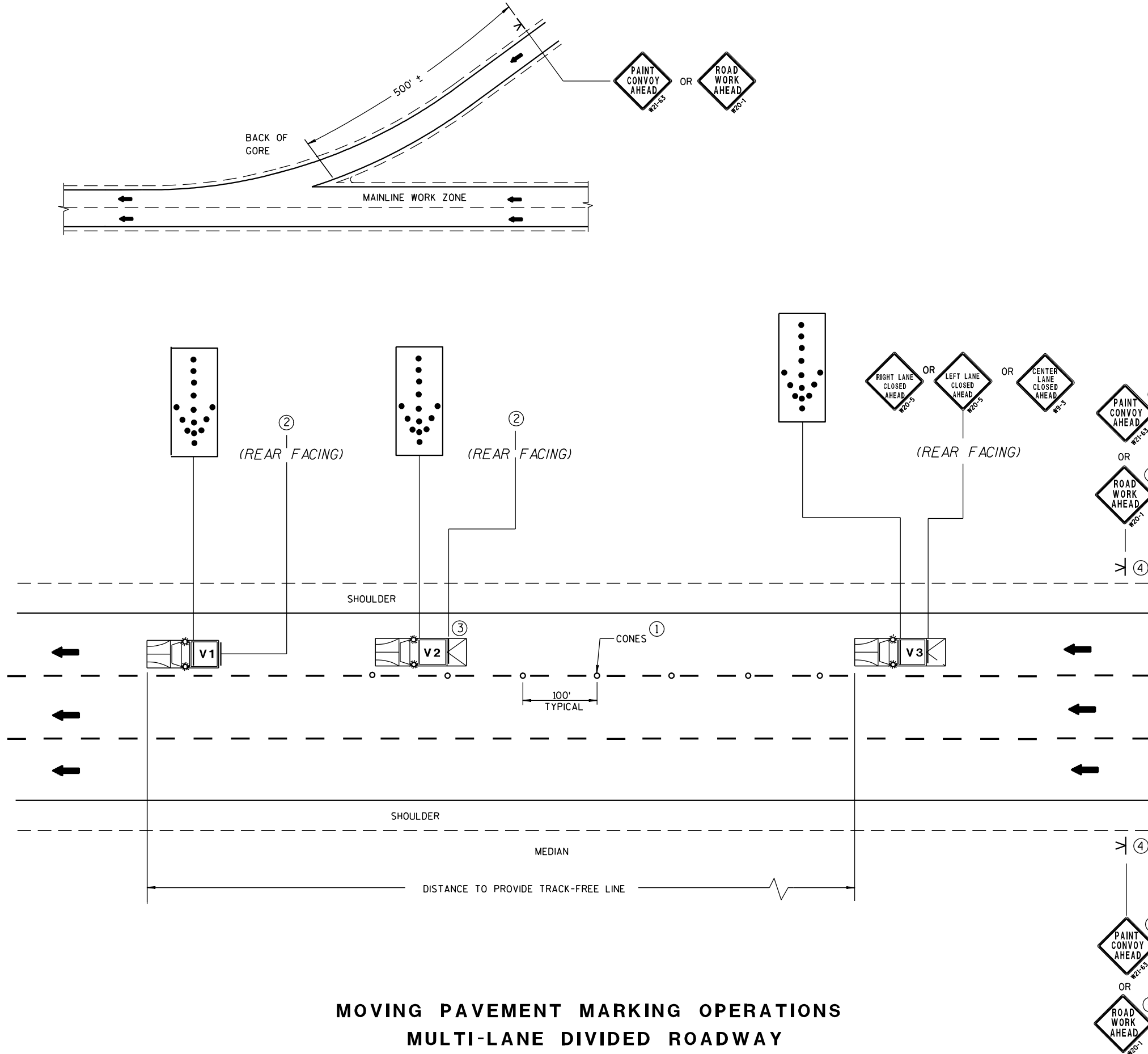
APPROVED

12/6/2011
DATE

FHWA

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





MOVING PAVEMENT MARKING OPERATIONS
MULTI-LANE DIVIDED ROADWAY

GENERAL NOTES

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

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

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

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

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

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

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

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

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

FOR 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.

WET PAINT

 OR

WET PAINT

W21-64

W21-64
- ③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.
- ④ SIGNS SHALL BE REPEATED AFTER EVERY ON RAMP OR EVERY THREE MILES.
- ⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

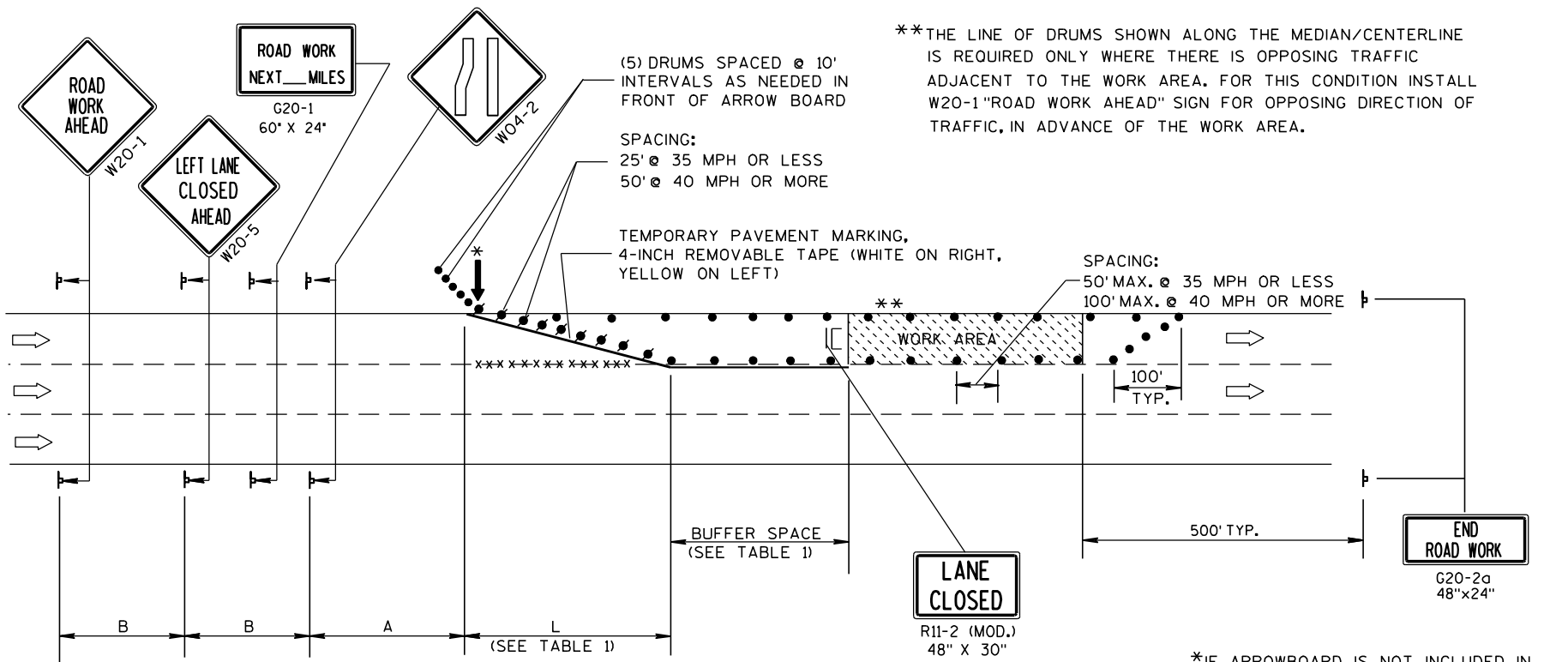
LEGEND

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

MOVING PAVEMENT MARKING
OPERATION
MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



B=400' AT 25-30 MPH
700' AT 35-40 MPH
1000' AT 45-55 MPH

A=200' AT 25-30 MPH
350' AT 35-40 MPH
500' AT 45-55 MPH

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

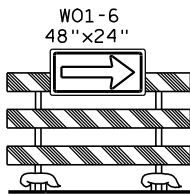
L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

(PLACE BARRICADE AND SIGN APPROX.
EVERY 1000' ACROSS THE CLOSED LANE)

*IF ARROWBOARD IS NOT INCLUDED IN
MISCELLANEOUS QUANTITIES, SUBSTITUTE
A TYPE III BARRICADE WITH W01-6 SIGN
IN THE LANE CLOSURE TAPER.



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.

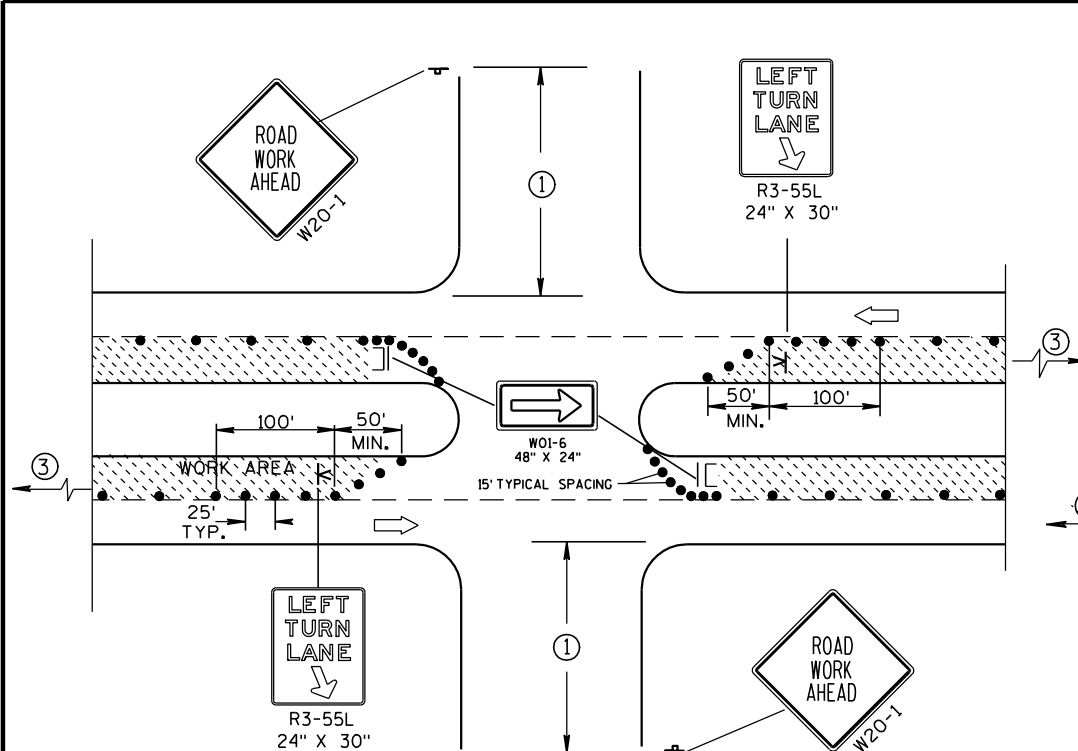
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

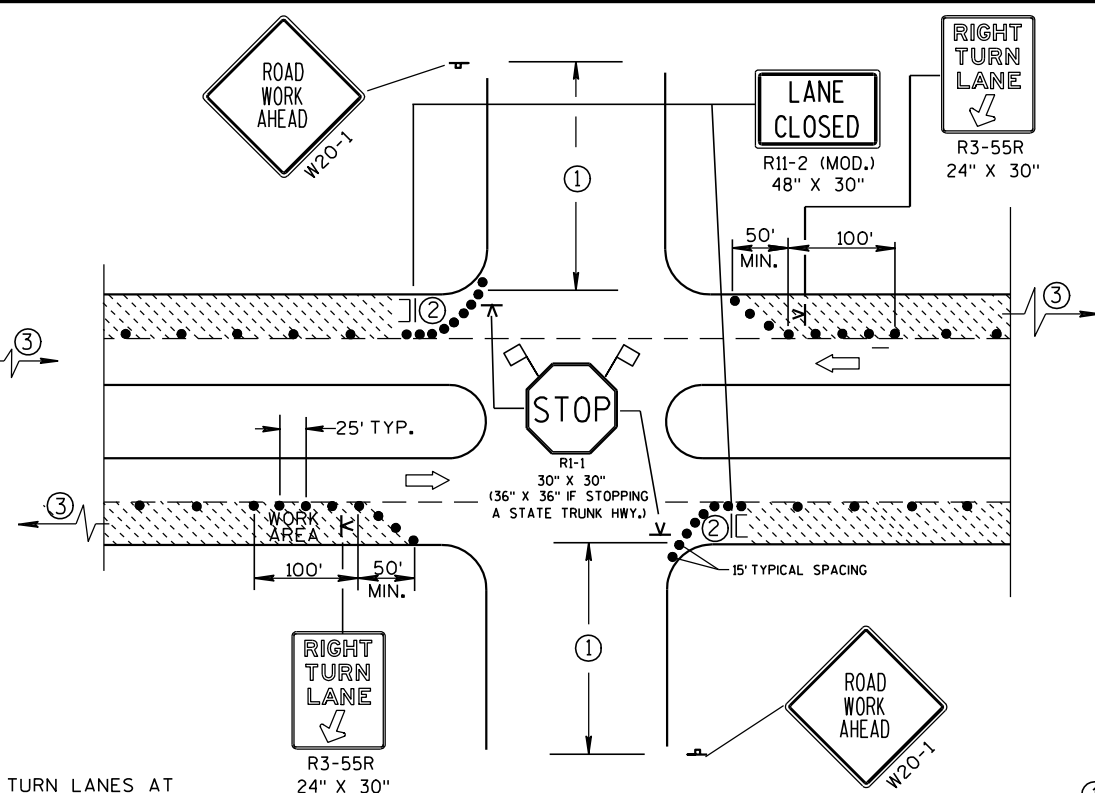
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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.

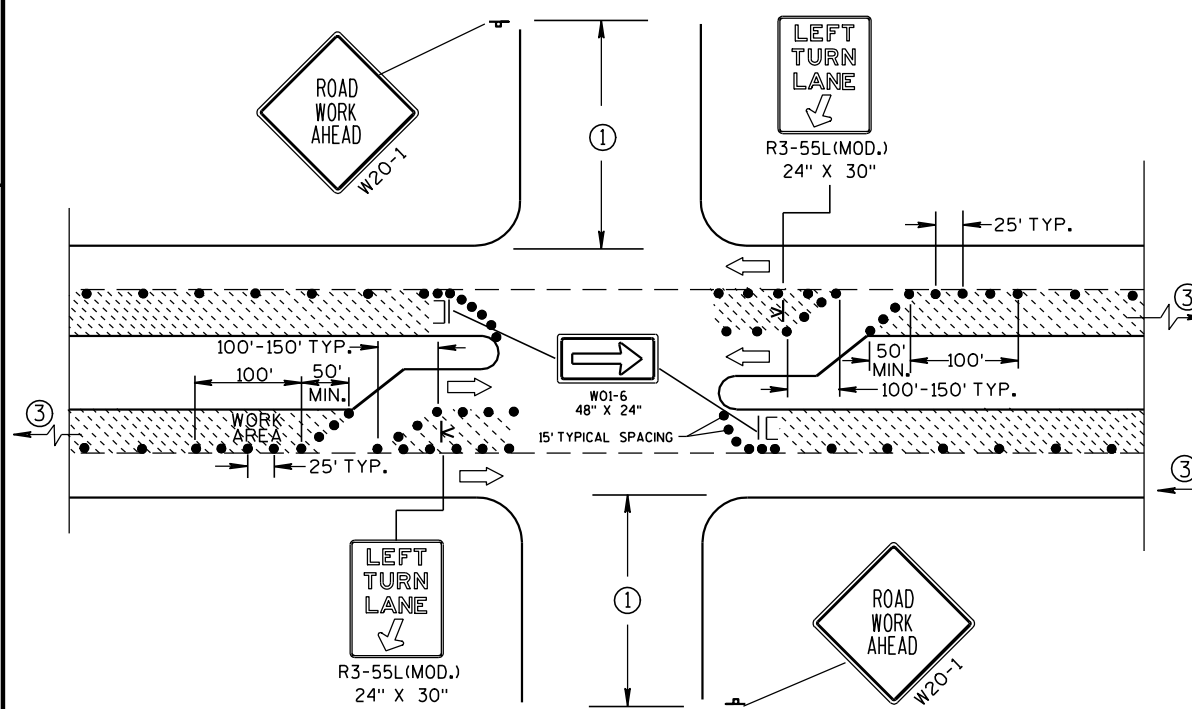
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

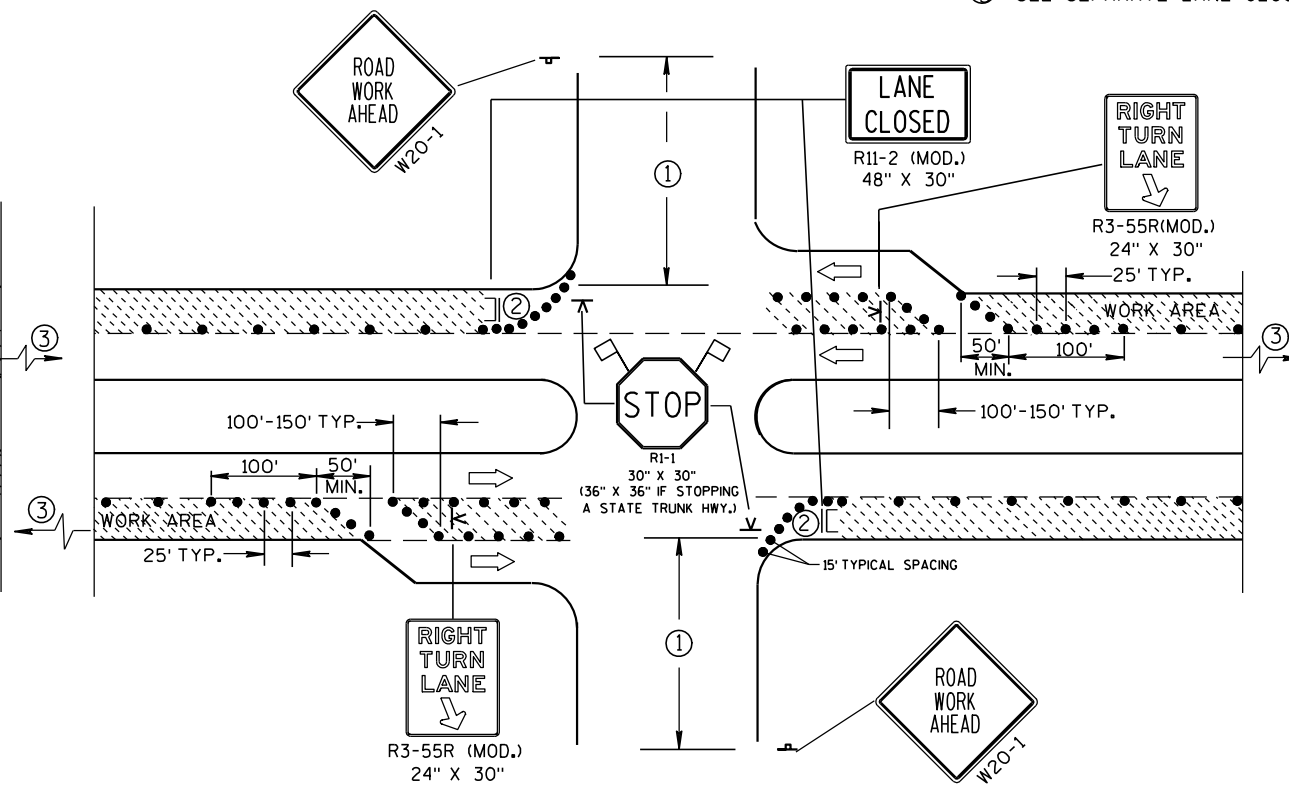
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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 /S/ Chester J. Spang
DATE 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.

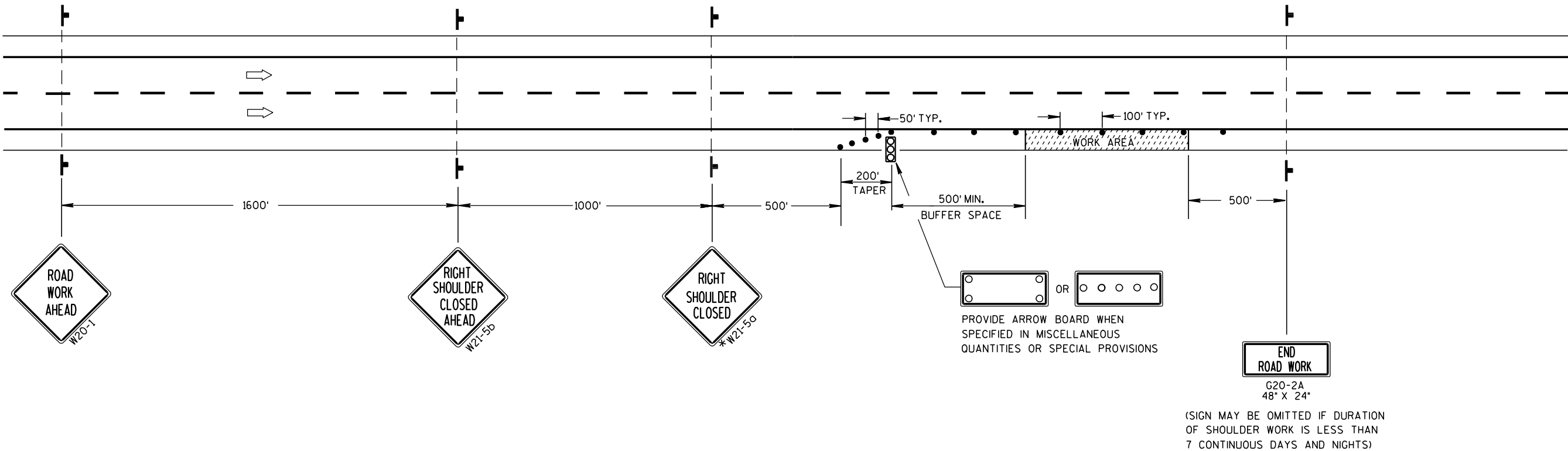
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

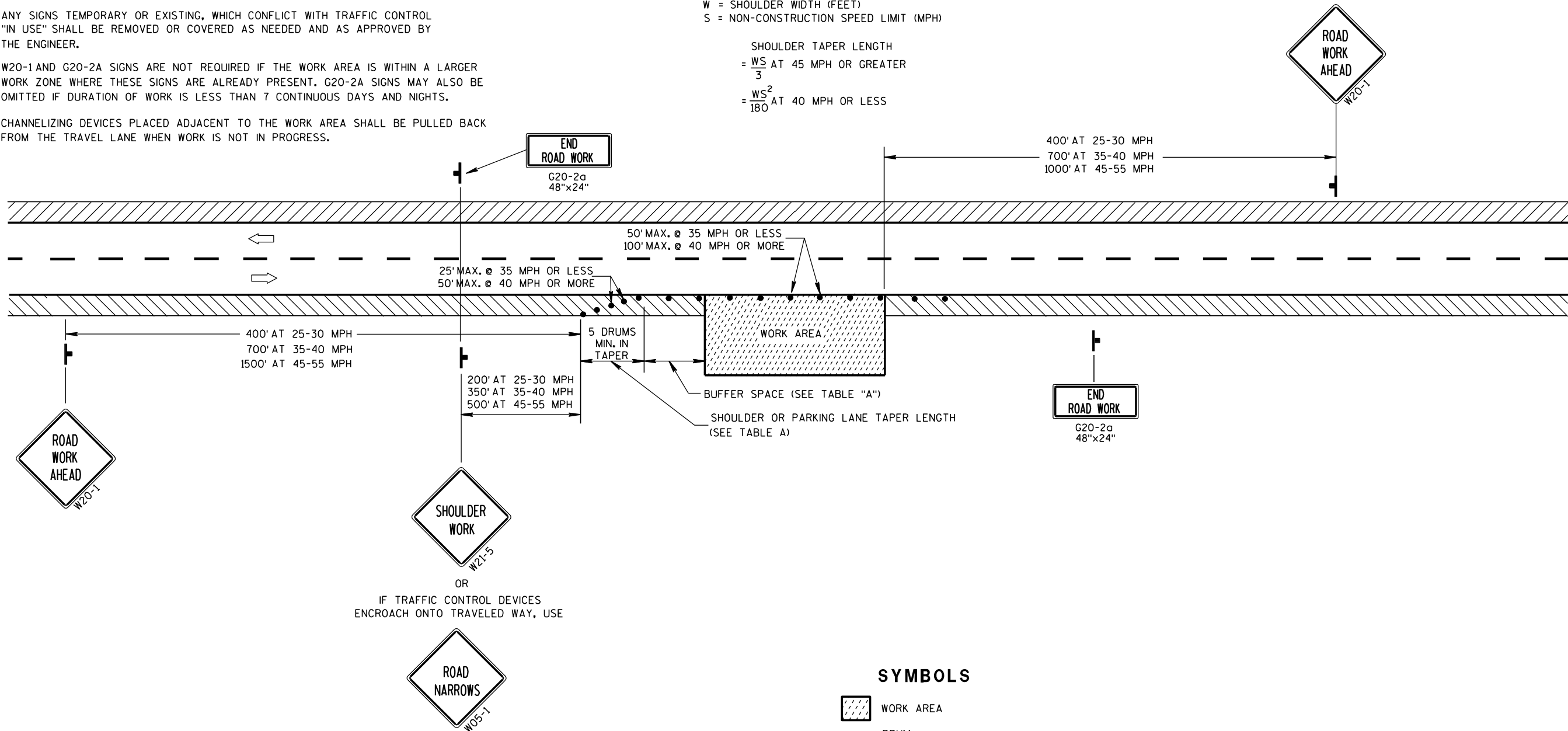
CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S	W	4	6	8	
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

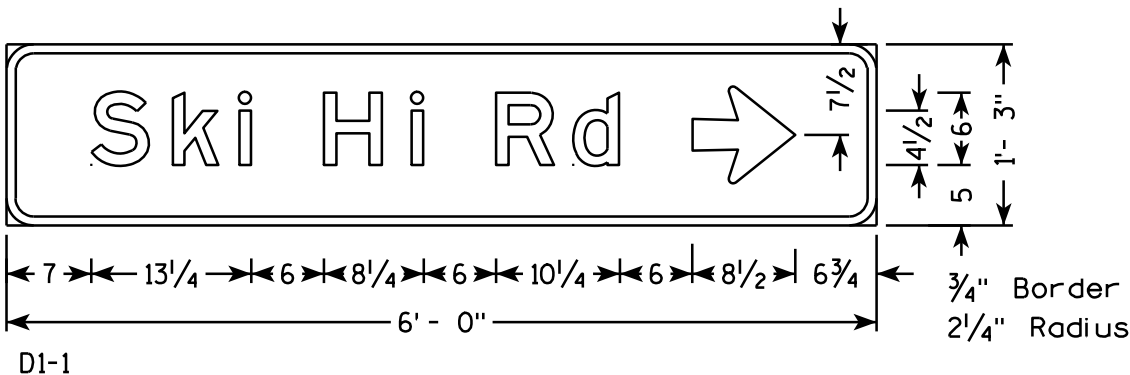
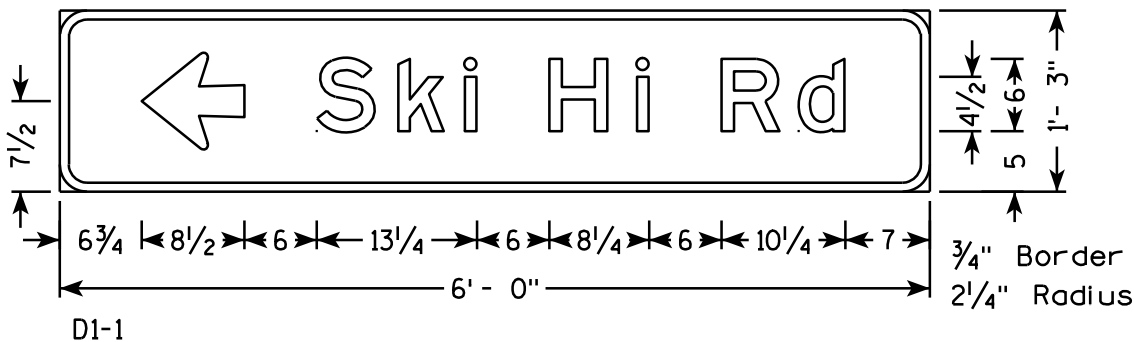
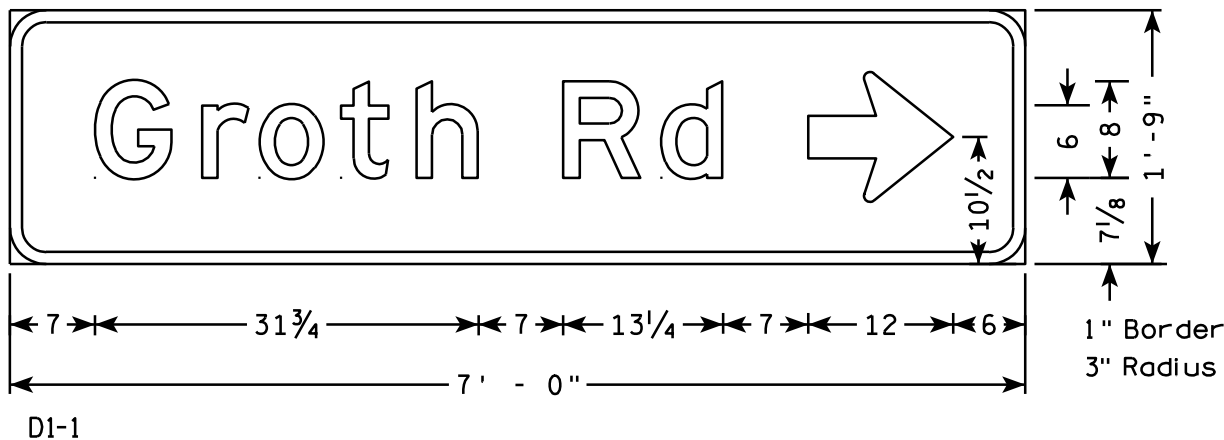
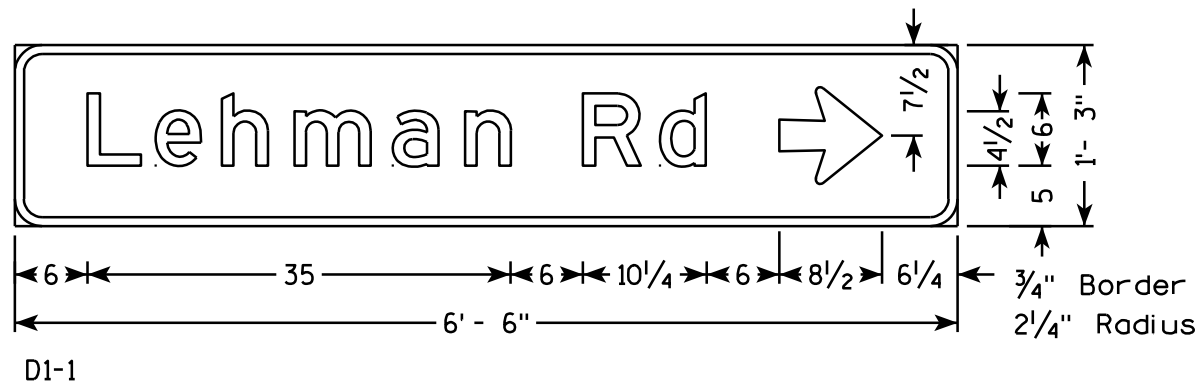
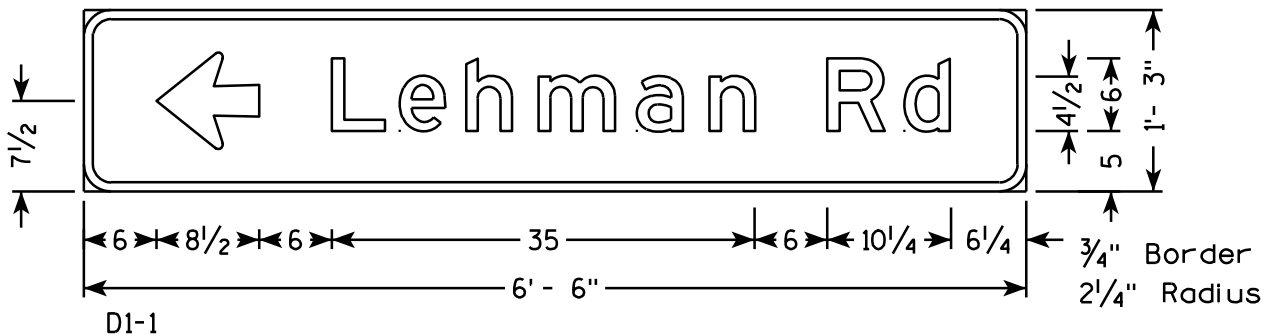
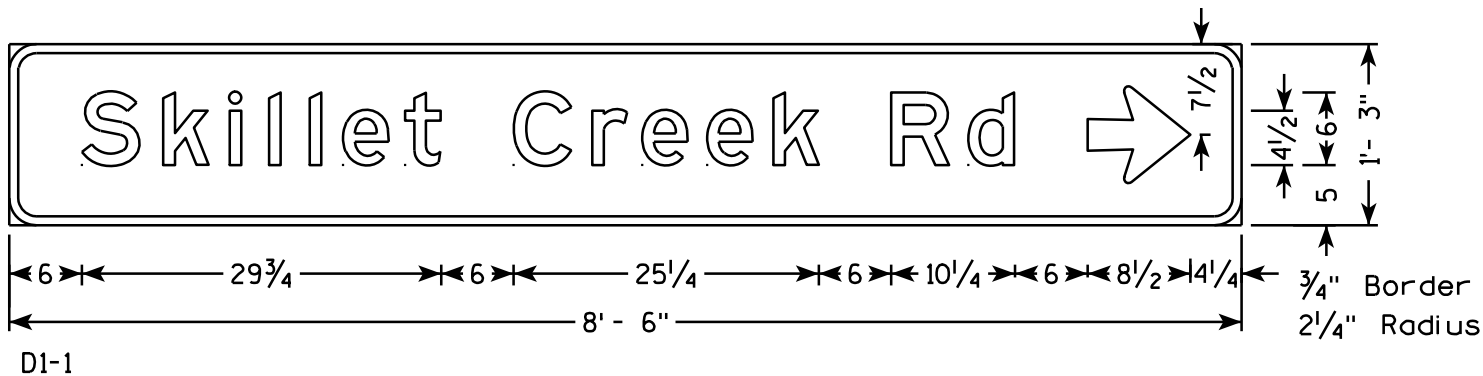
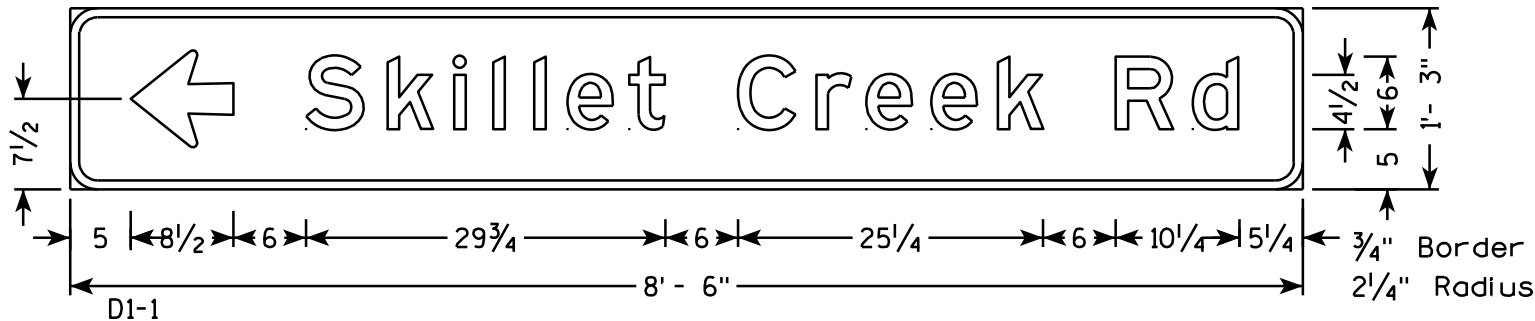
TRAFFIC CONTROL,
WORK ON SHOULDER OR
PARKING LANE,
UNDIVIDED ROADWAY

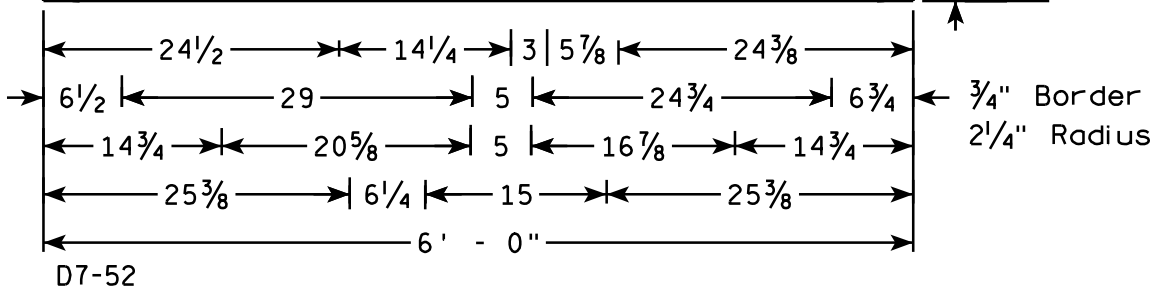
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

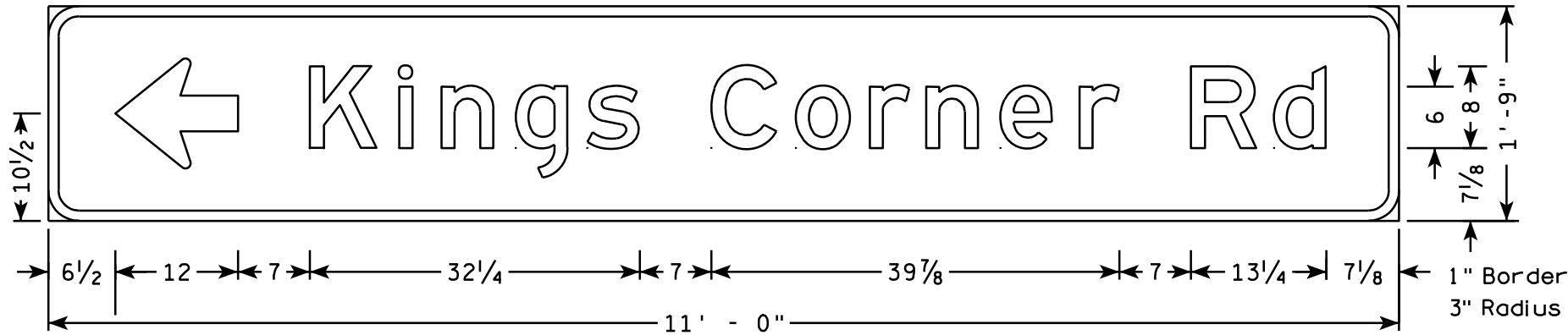




D7-52

NOTES

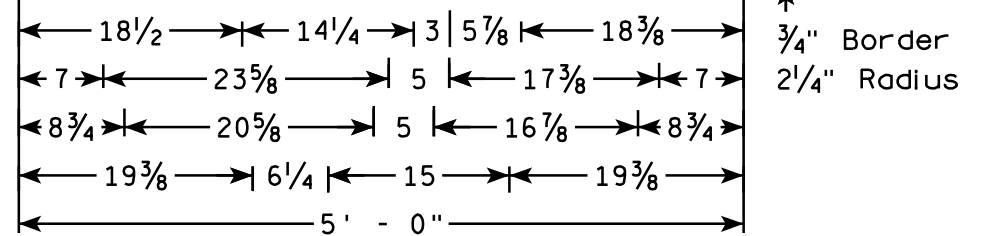
1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - GREEN except as Shown
Message - WHITE
3. Message Series - E except as Shown



D1-1



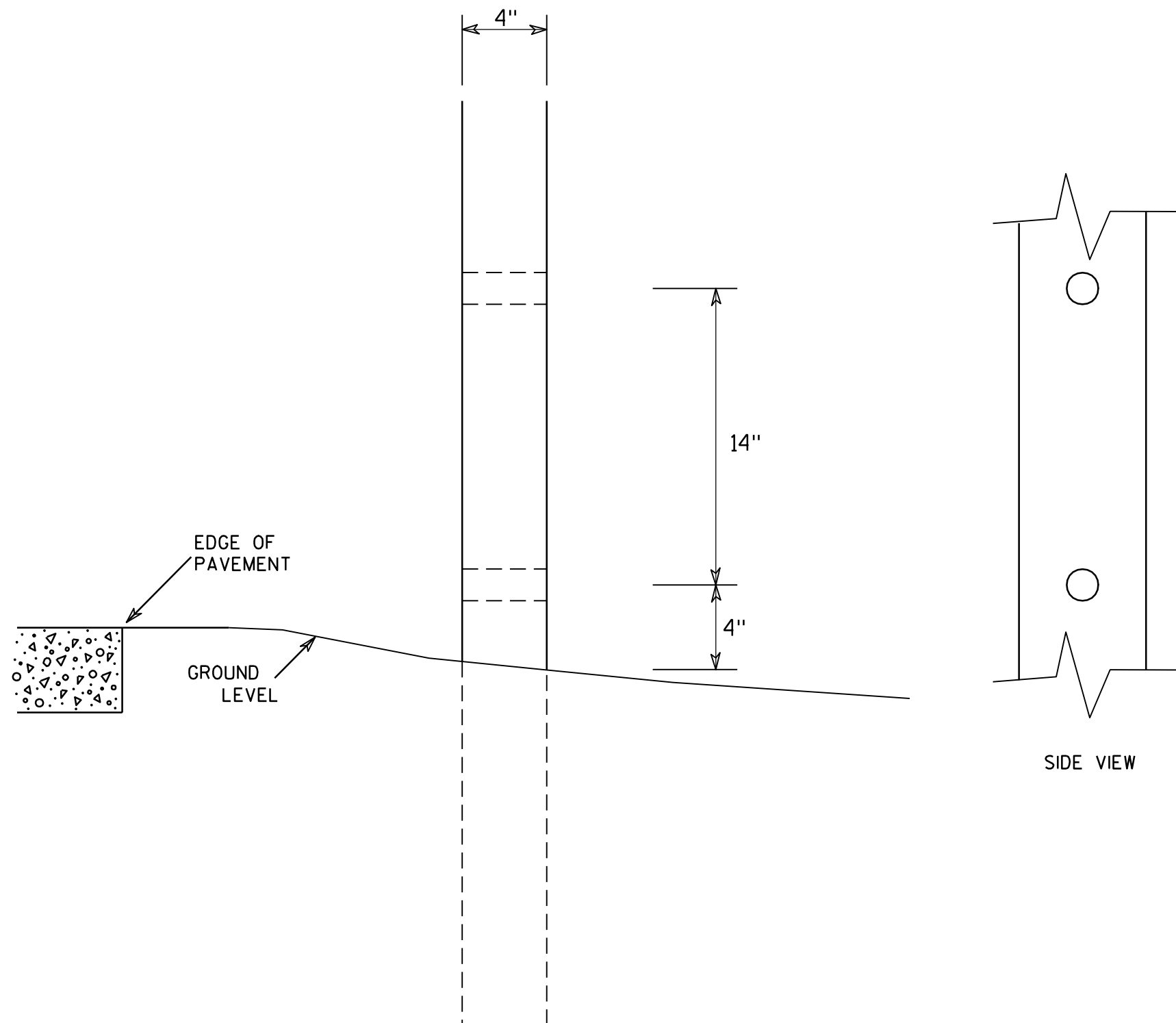
D7-52



7

7

7



GENERAL NOTES

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

7

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

PROJECT NO:

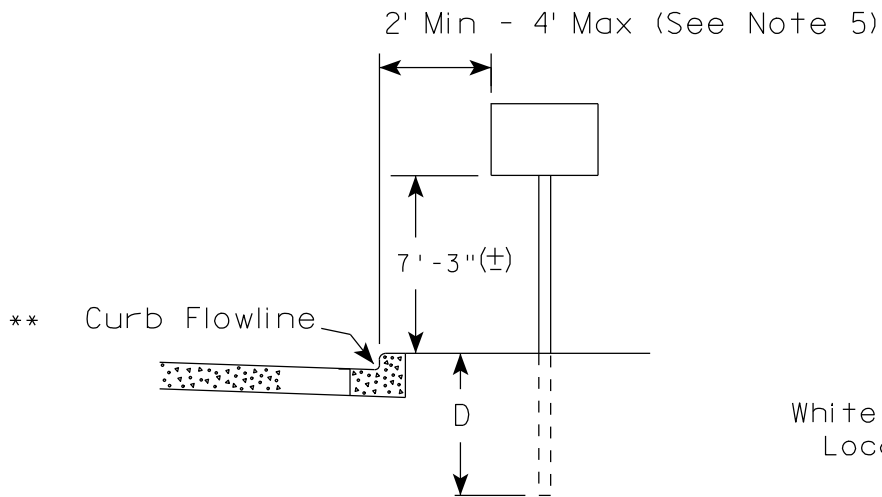
HWY:

COUNTY:

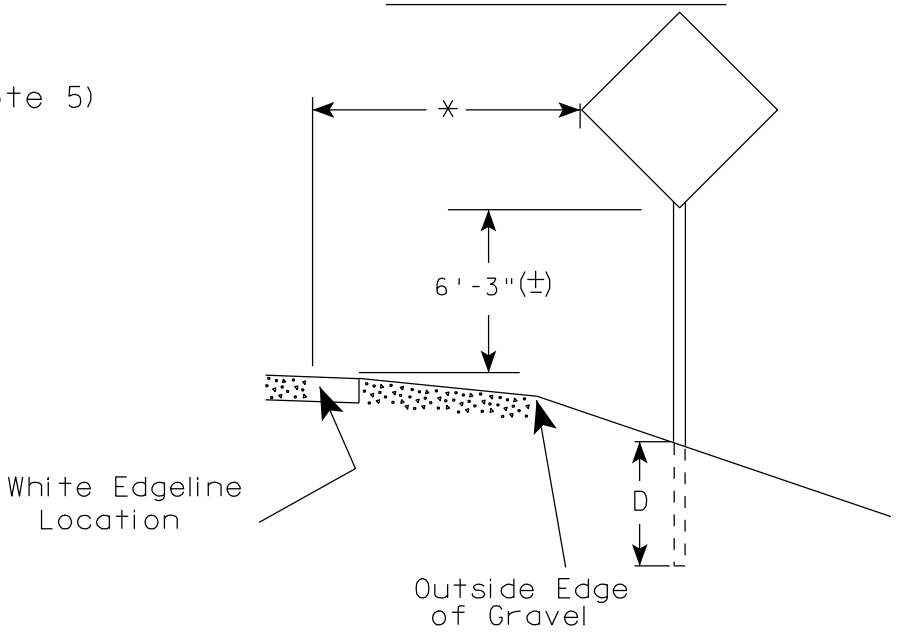
SHEET NO:

E

URBAN AREA



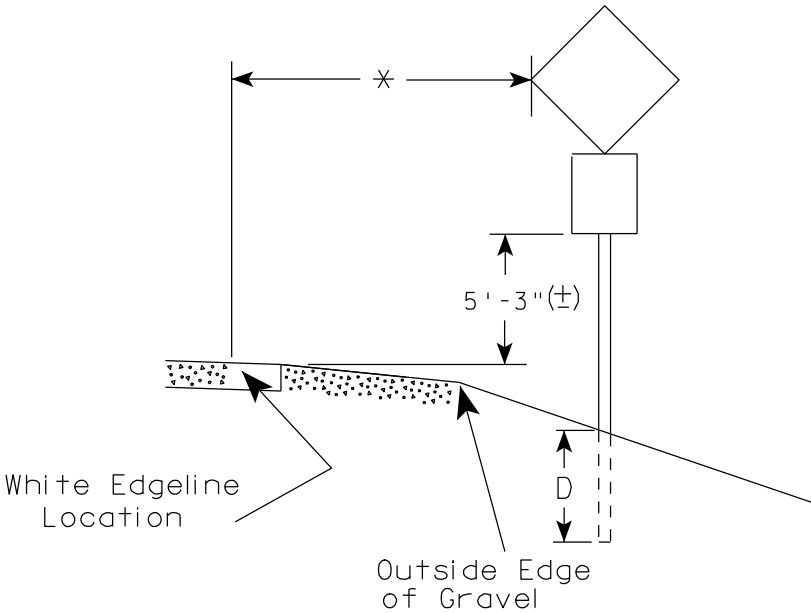
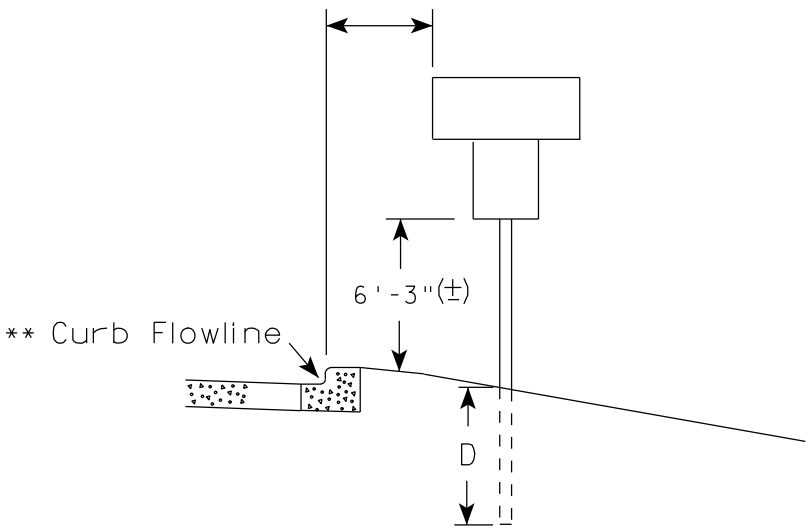
RURAL AREA (See Note 2)



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" (±).

2' Min - 4' Max (See Note 5)



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

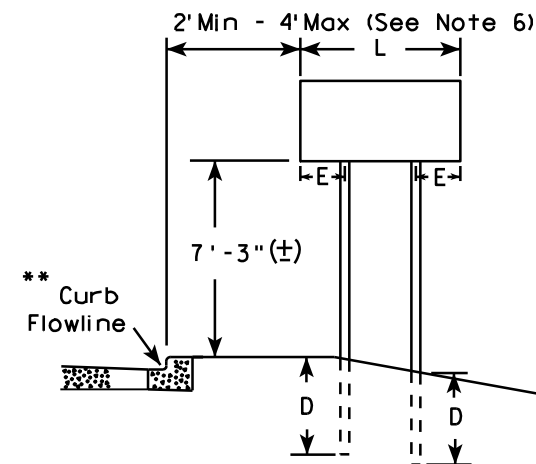
- For multiple post installations, individual post spacing shall be greater than 3'-6".
- See tables below for required number of posts.
- For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
- The (±) tolerance for mounting height is 3 inches.
- 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.

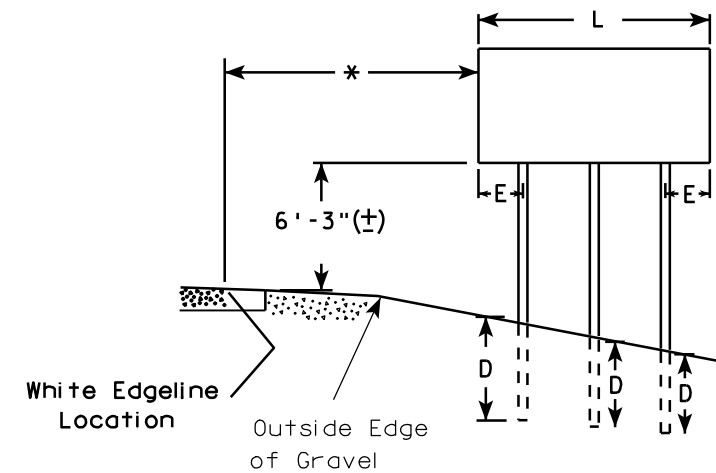
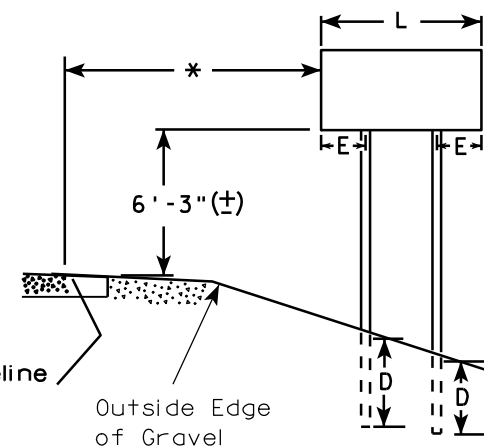
** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs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

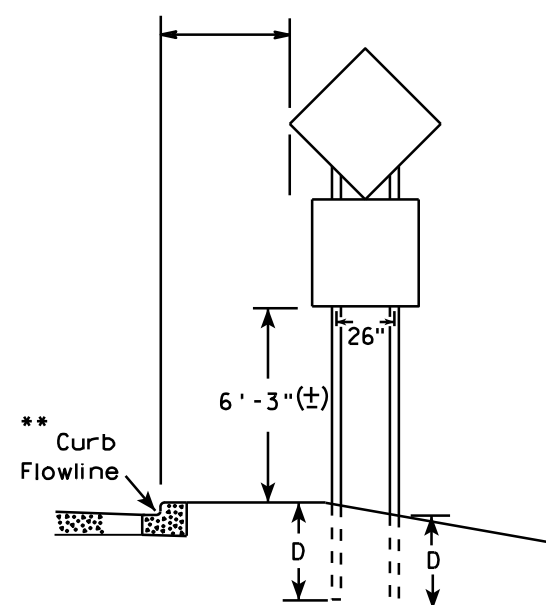
URBAN AREA



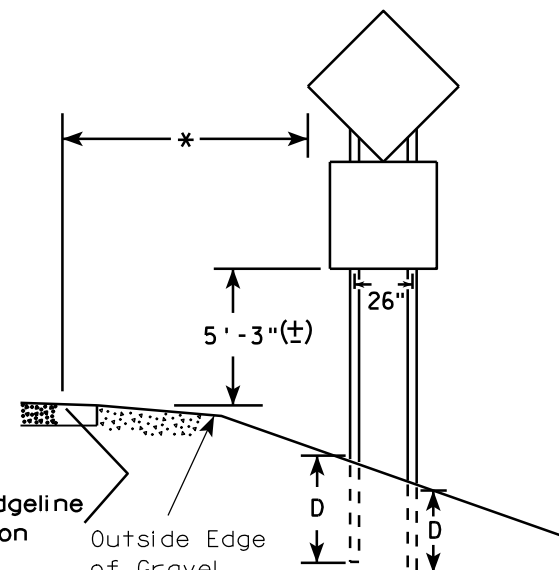
RURAL AREA (See Note 3)



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

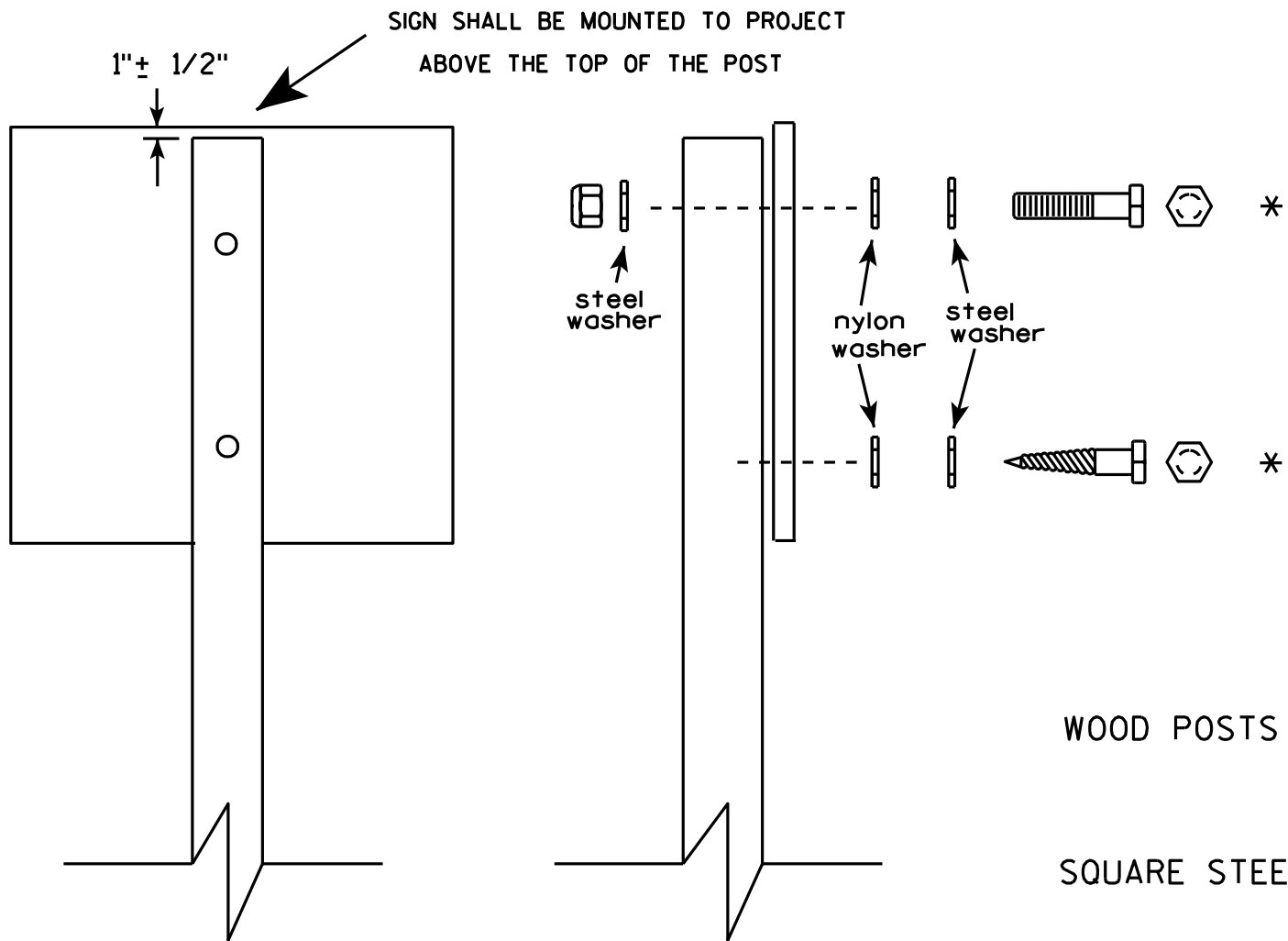
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

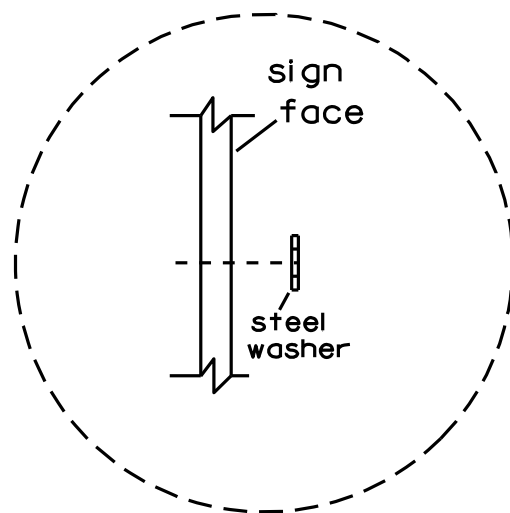


Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

- 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.

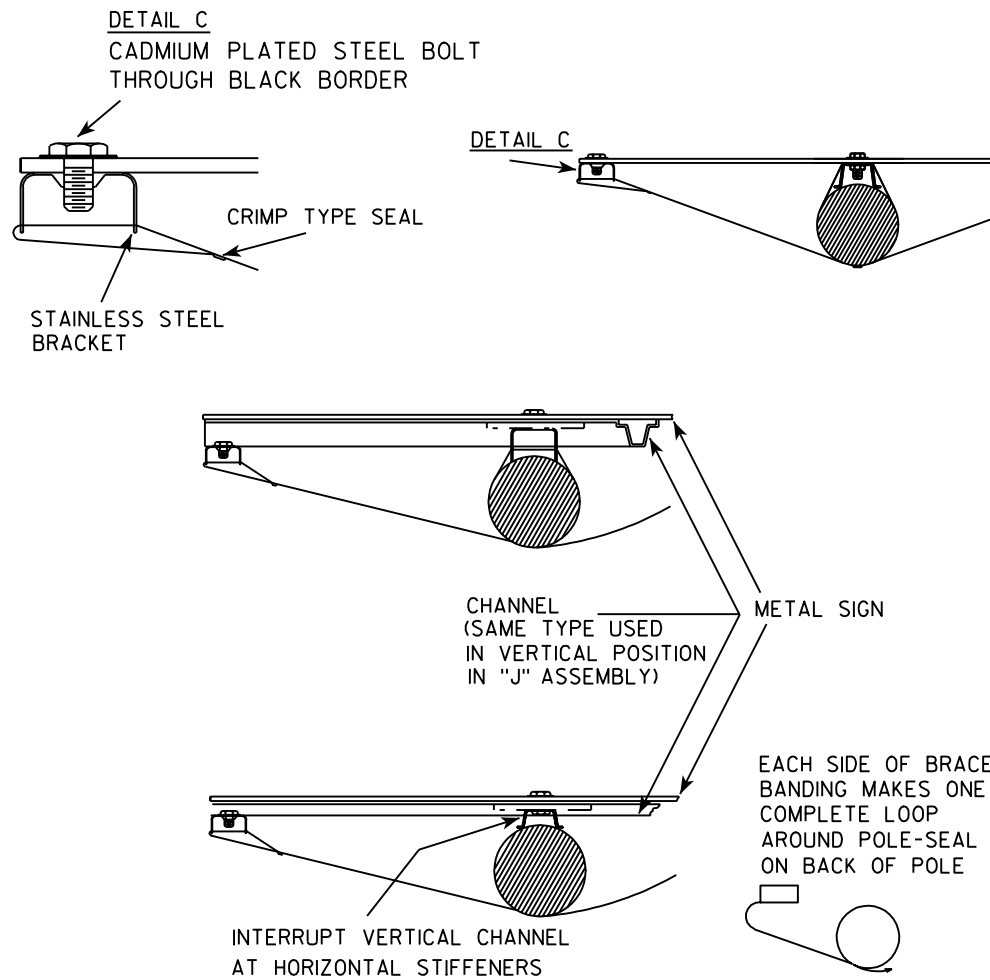


Washer Placement when Sign Has Other Than Type H or Type F Face

* 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

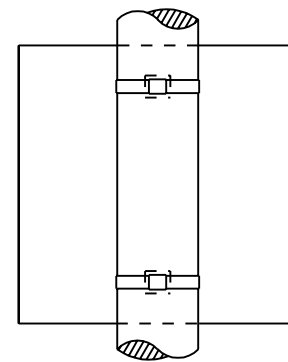
BRACE BANDING



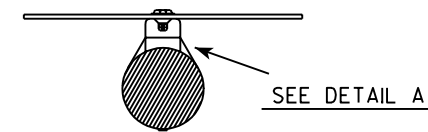
BRACE BANDING

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

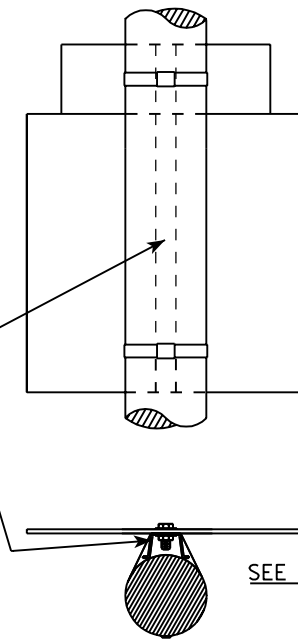
SINGLE SIGN



BRACKET BANDING

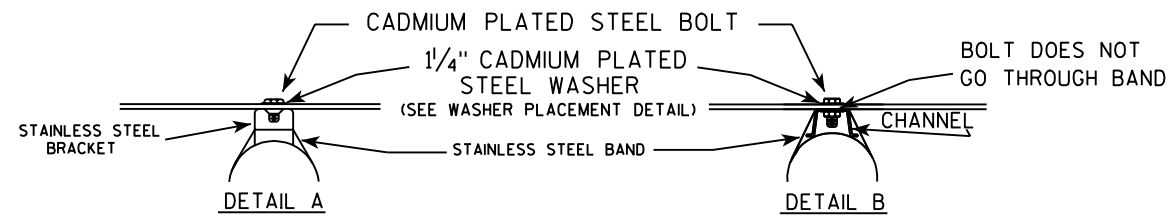


"J" ASSEMBLY



SEE DETAIL B

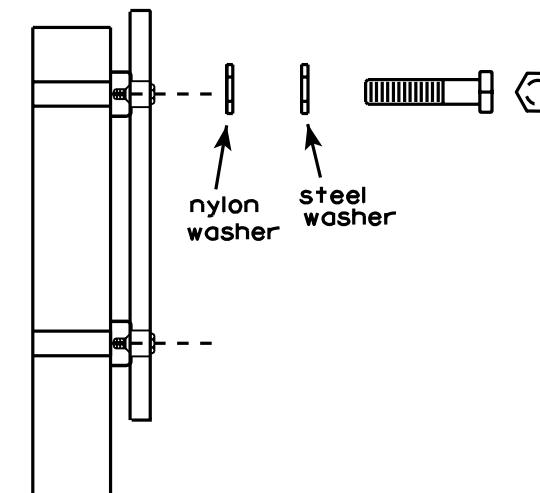
CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET



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.

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

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

PROJECT NO:

HWY:

COUNTY:

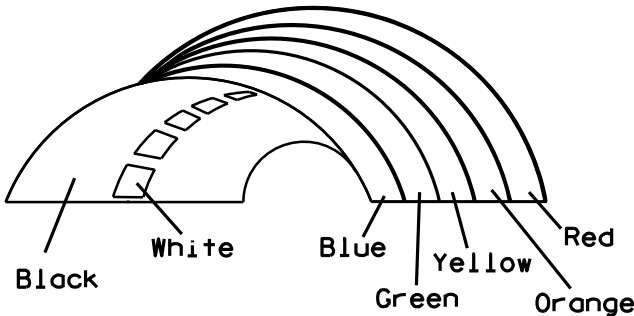
SHEET NO:

E



* 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:

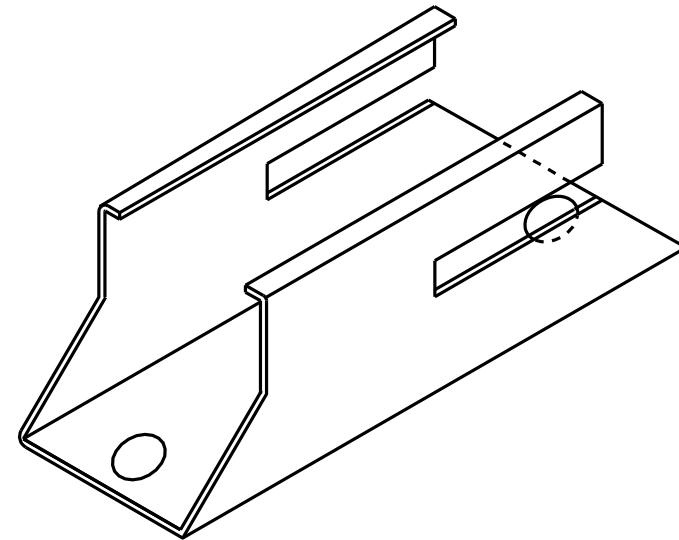
STANDARD SIGN
I55-56

WISCONSIN DEPT OF TRANSPORTATION

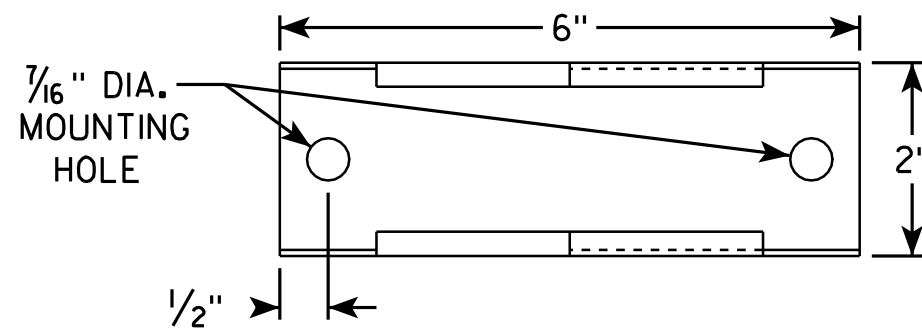
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

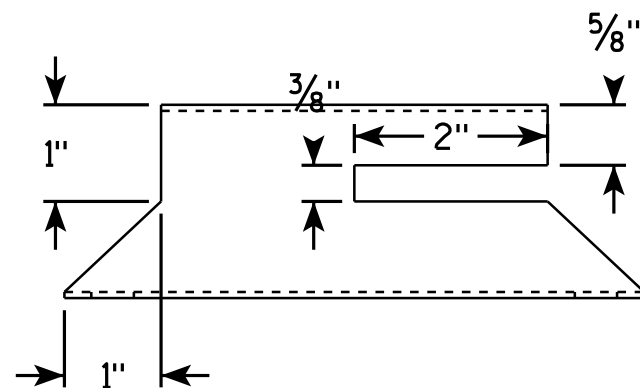
ISOMETRIC VIEW



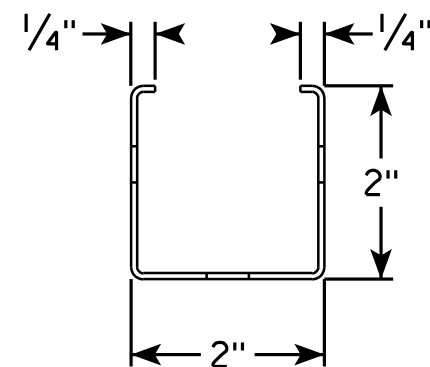
TOP VIEW



SIDE VIEW



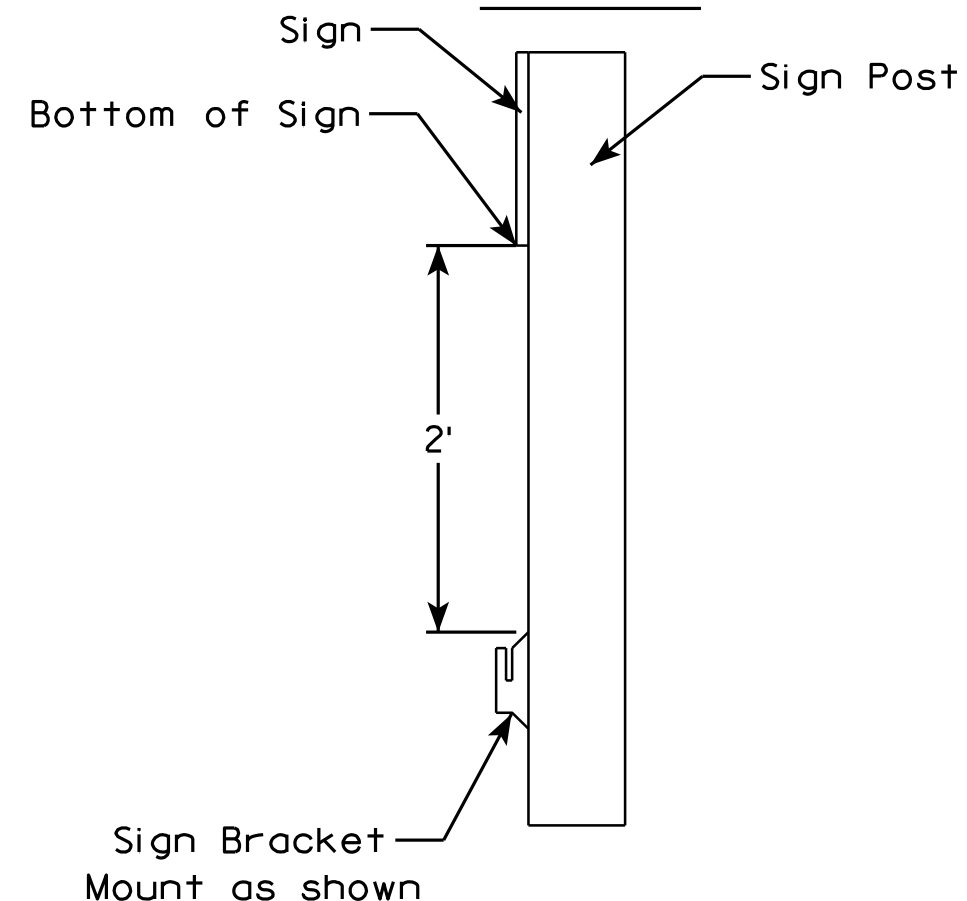
END VIEW



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

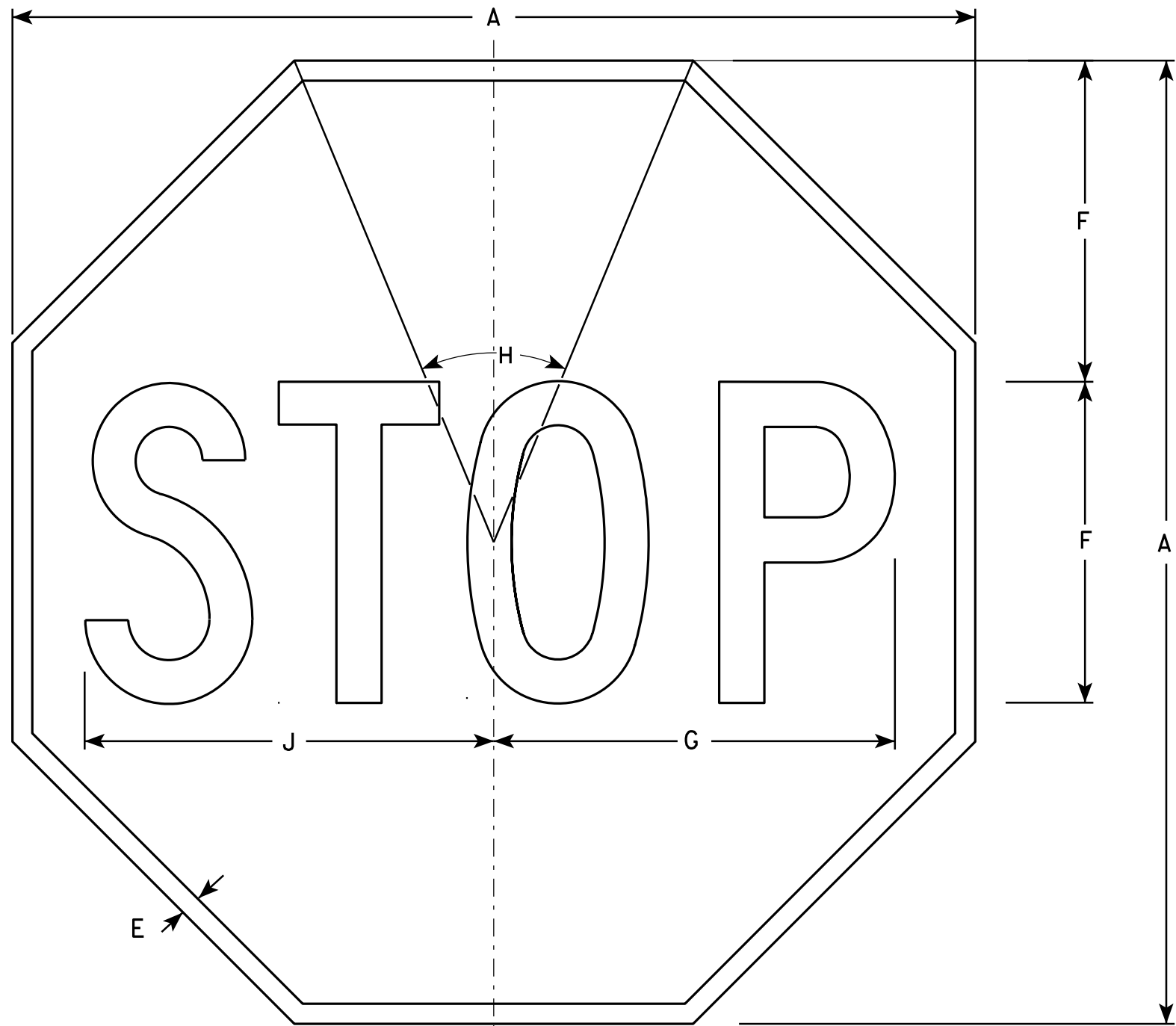
PROJECT NO:

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

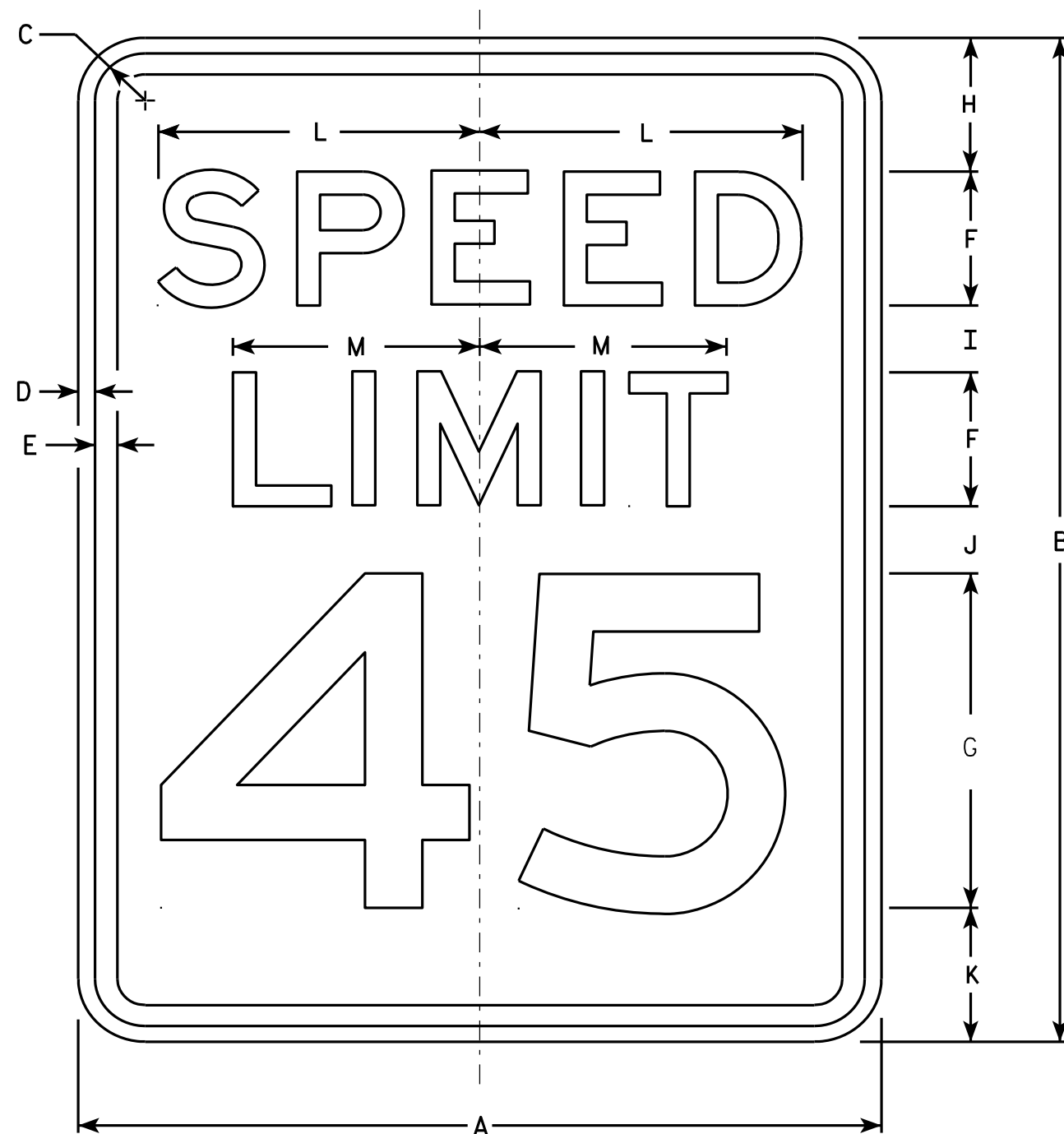
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24				3/8	8	10	45°		10 1/4																	3.31
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20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



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.

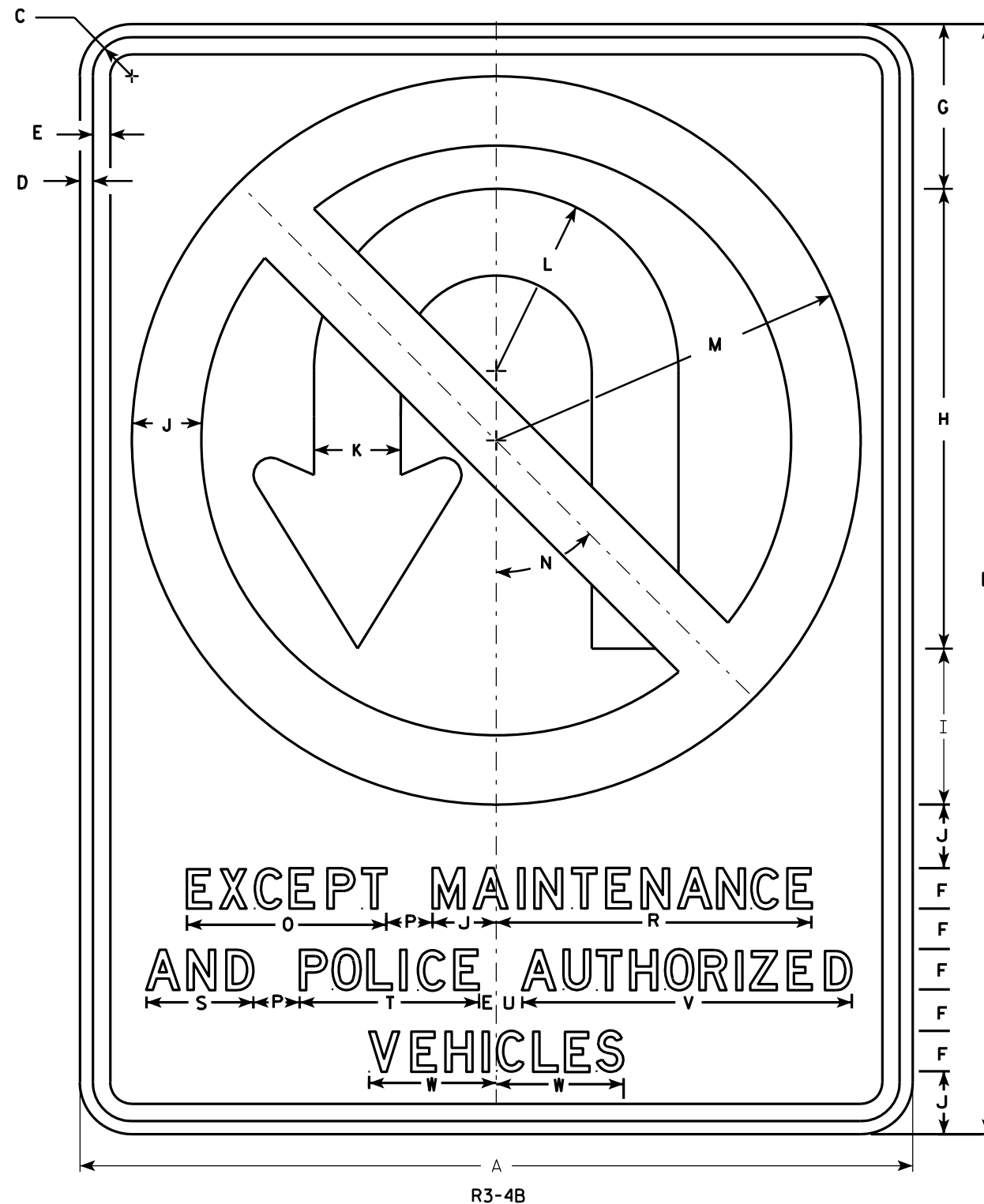
R2-1

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	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

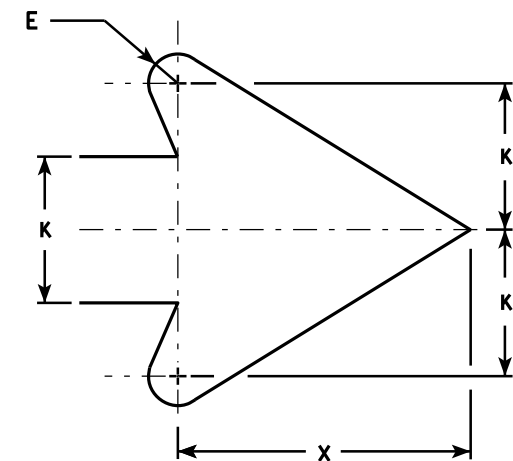
WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
For State Traffic Engineer
DATE 5/26/10 PLATE NO. R2-1.13

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 - 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

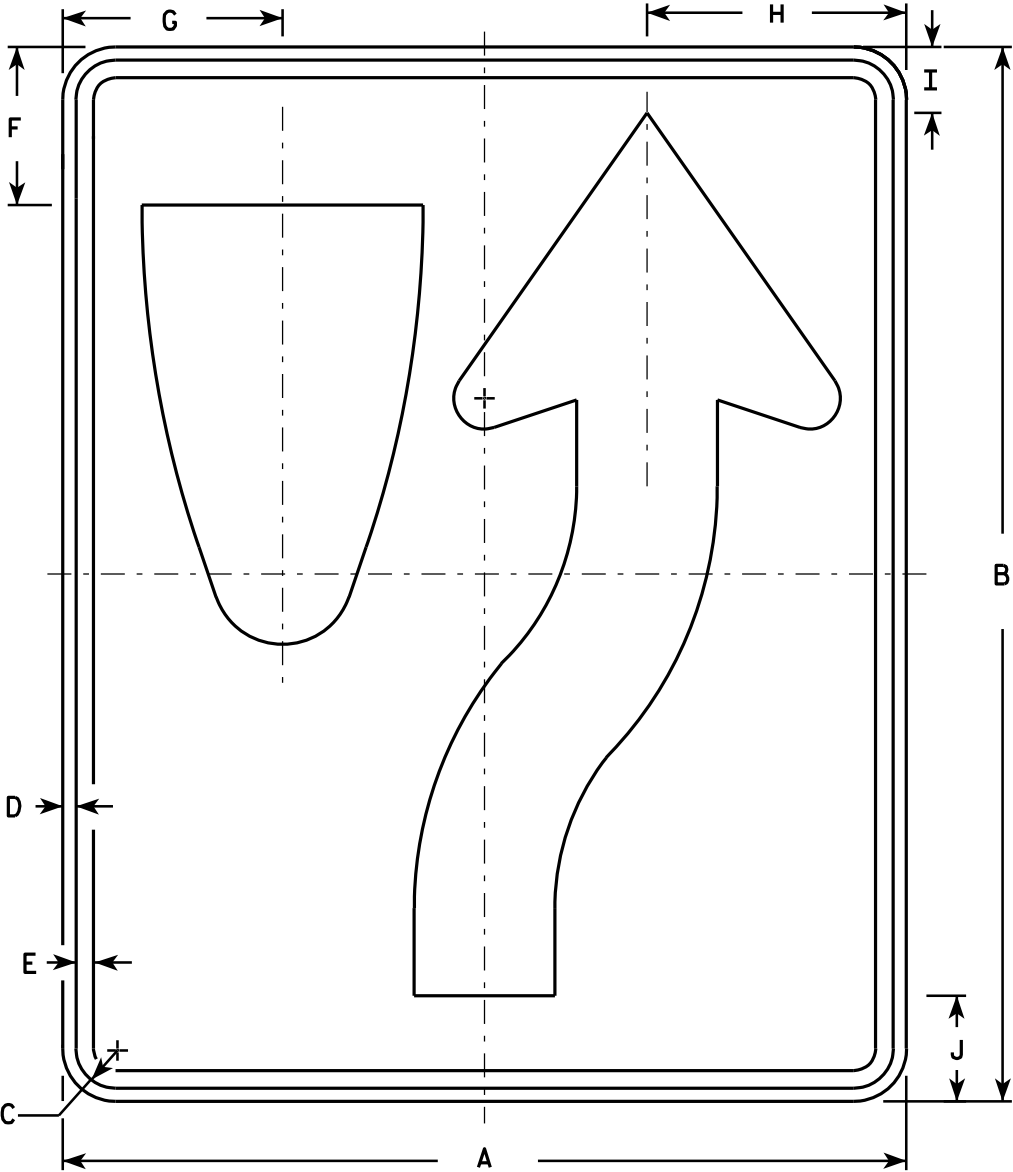
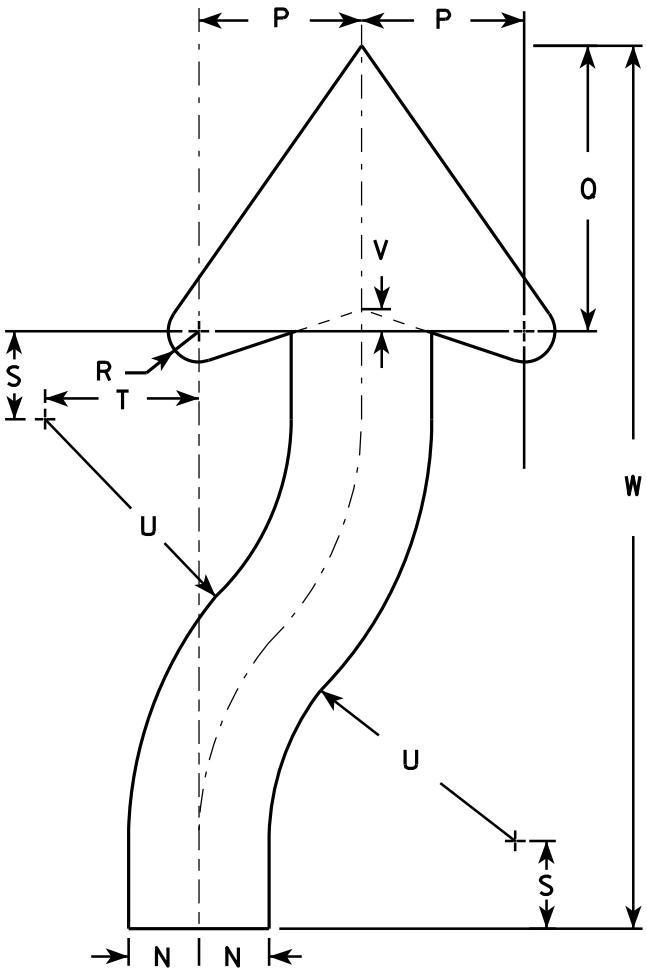
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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.



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:

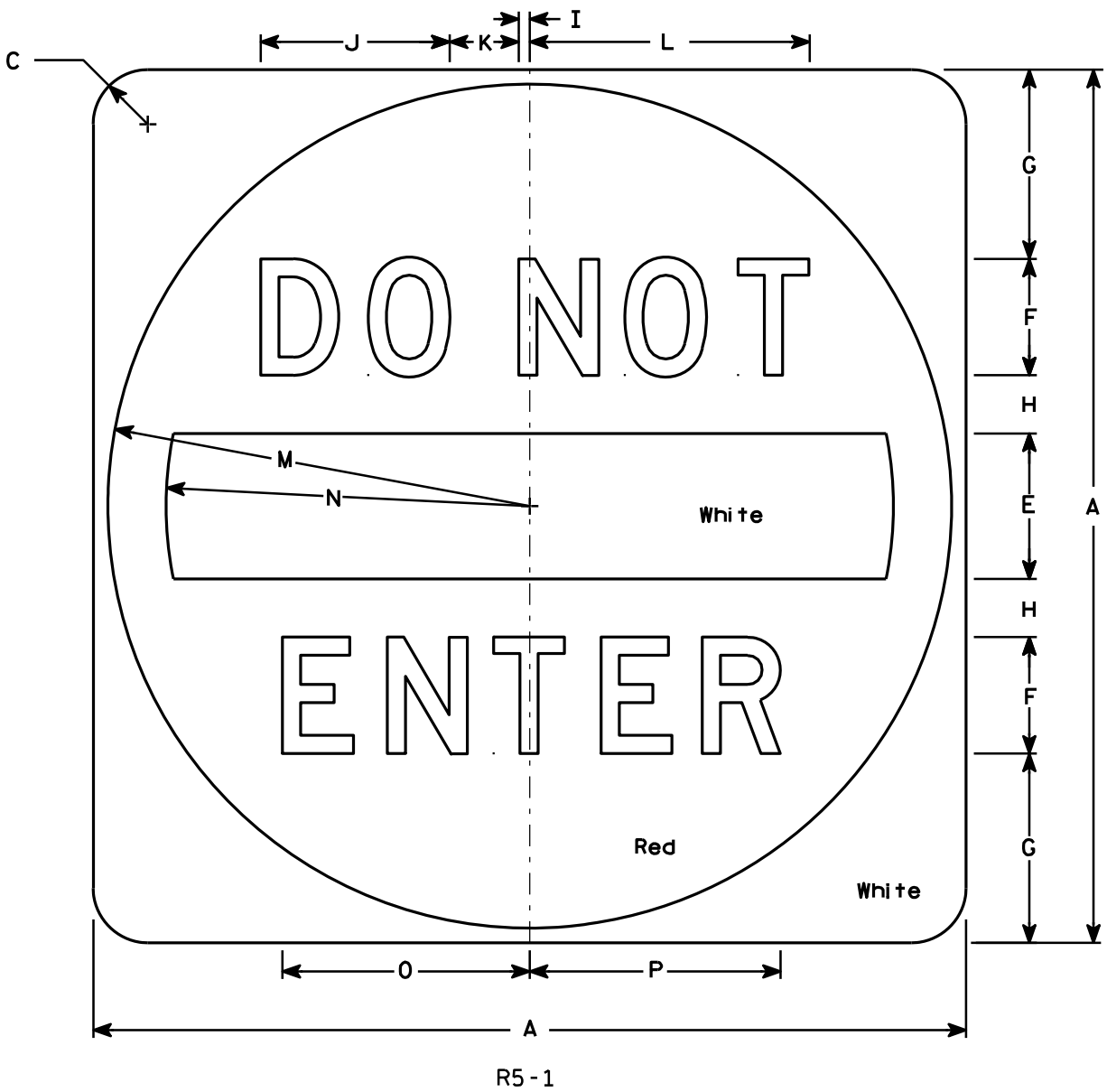
E

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

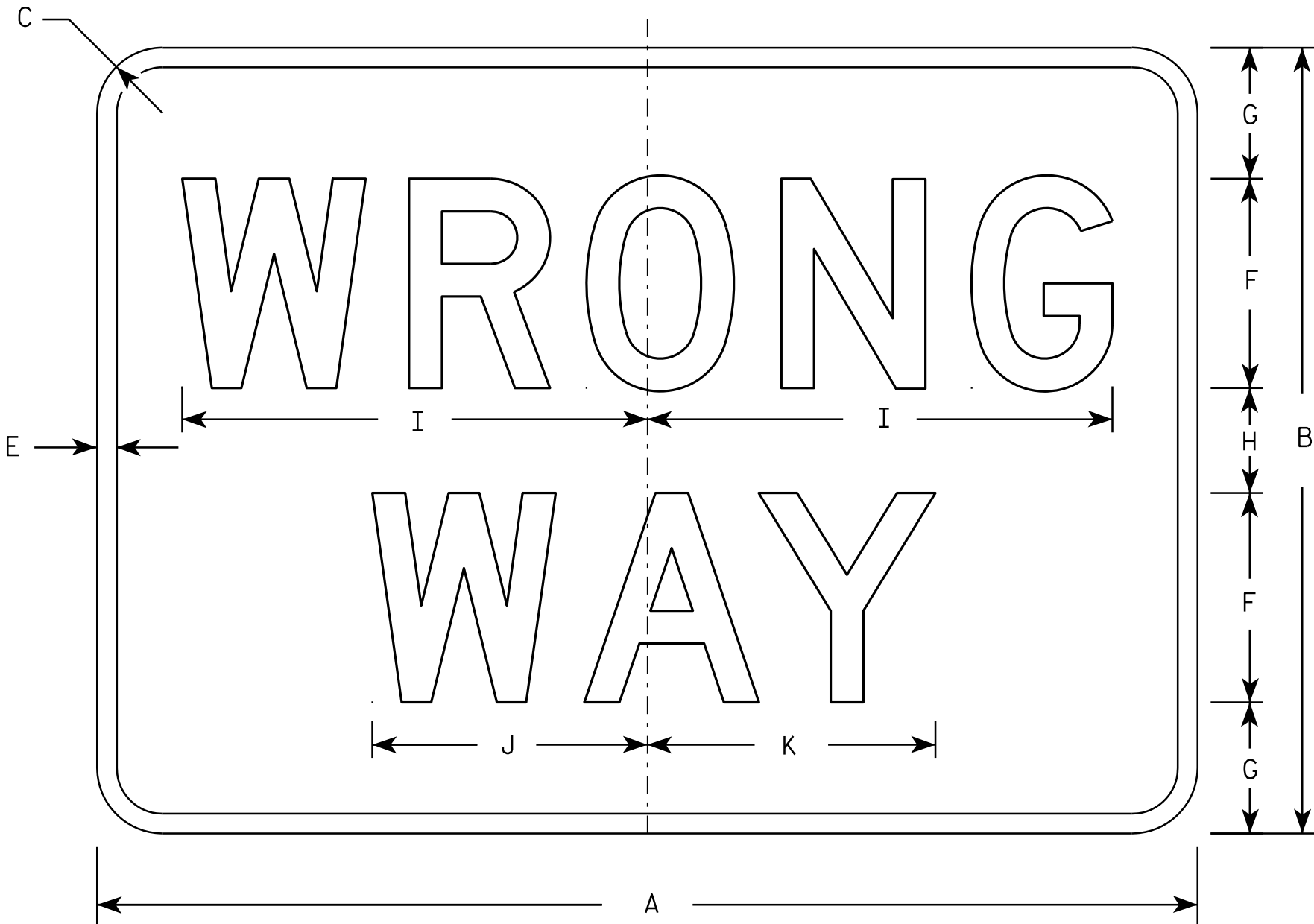
WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch

for State Traffic Engineer

DATE 12/17/10PLATE NO. R5-1.15



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

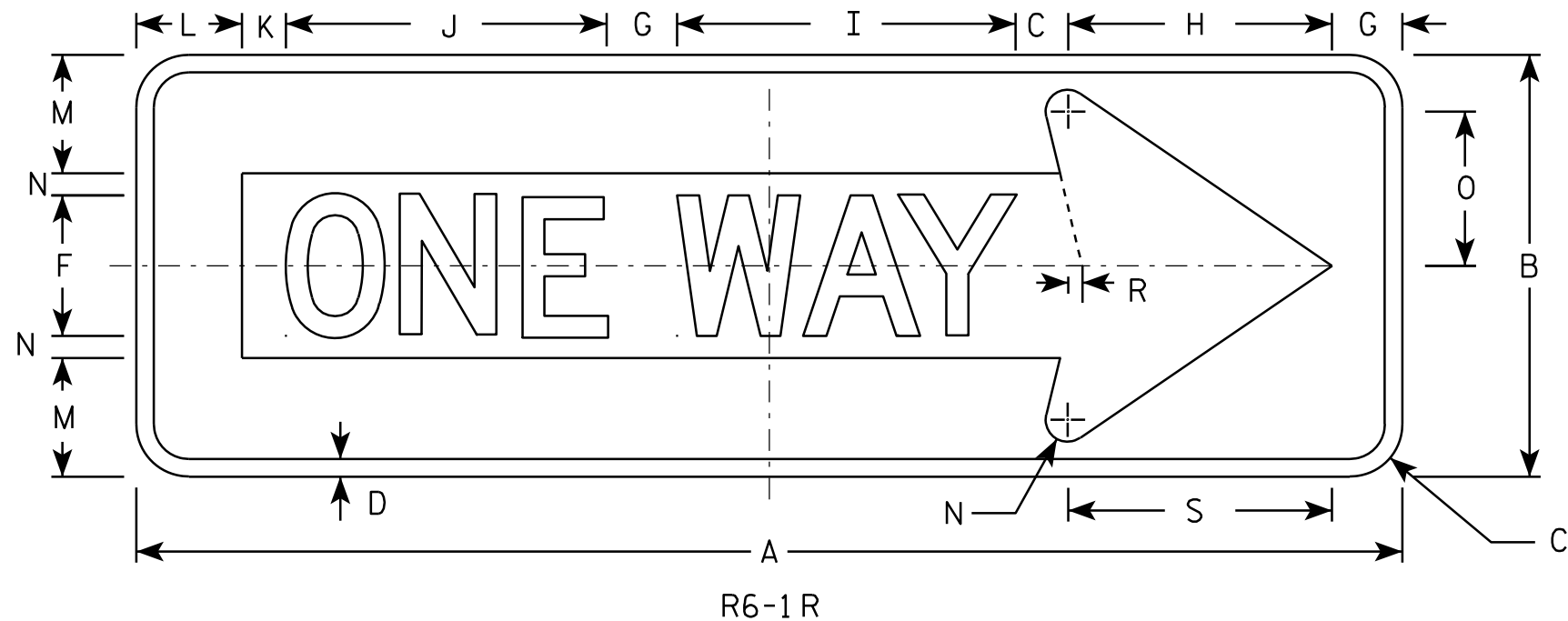
PROJECT NO:

HWY:

COUNTY:

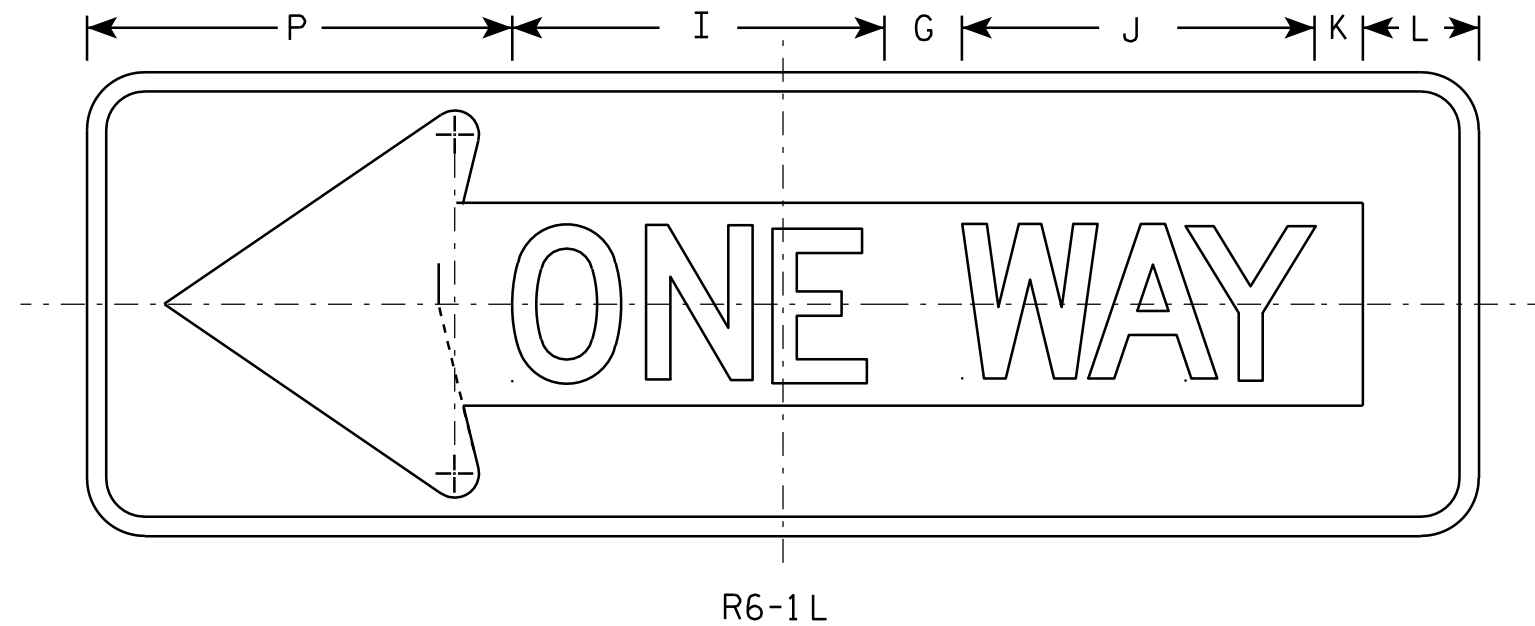
SHEET NO:

E



NOTES

- Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - BLACK
Message - BLACK LEGEND & WHITE ARROW & BORDER
- Message Series - D
- 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

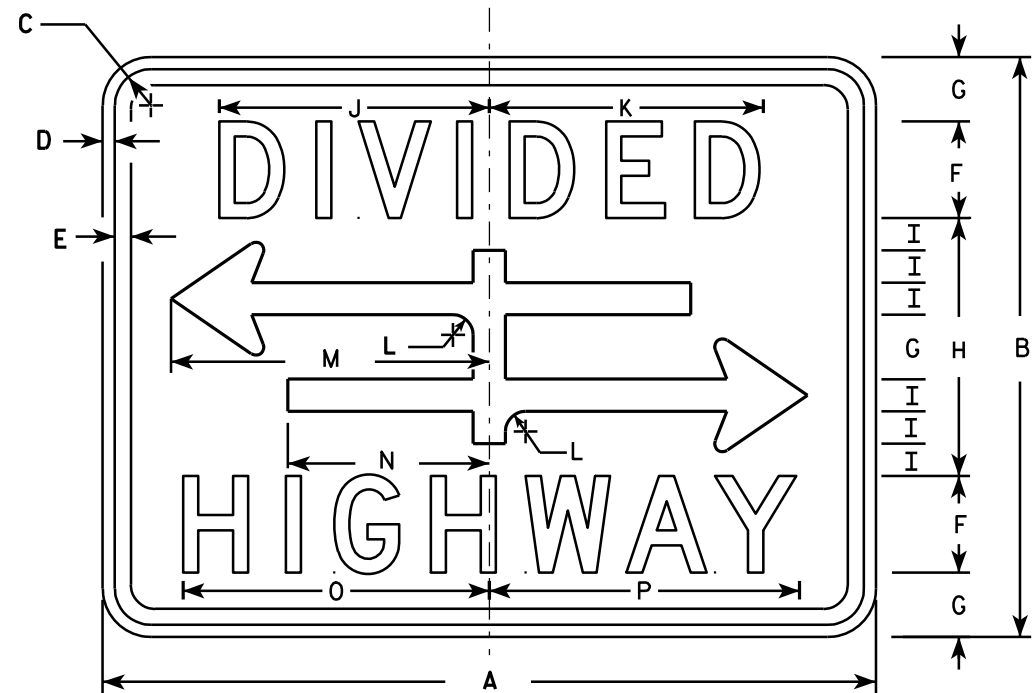
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

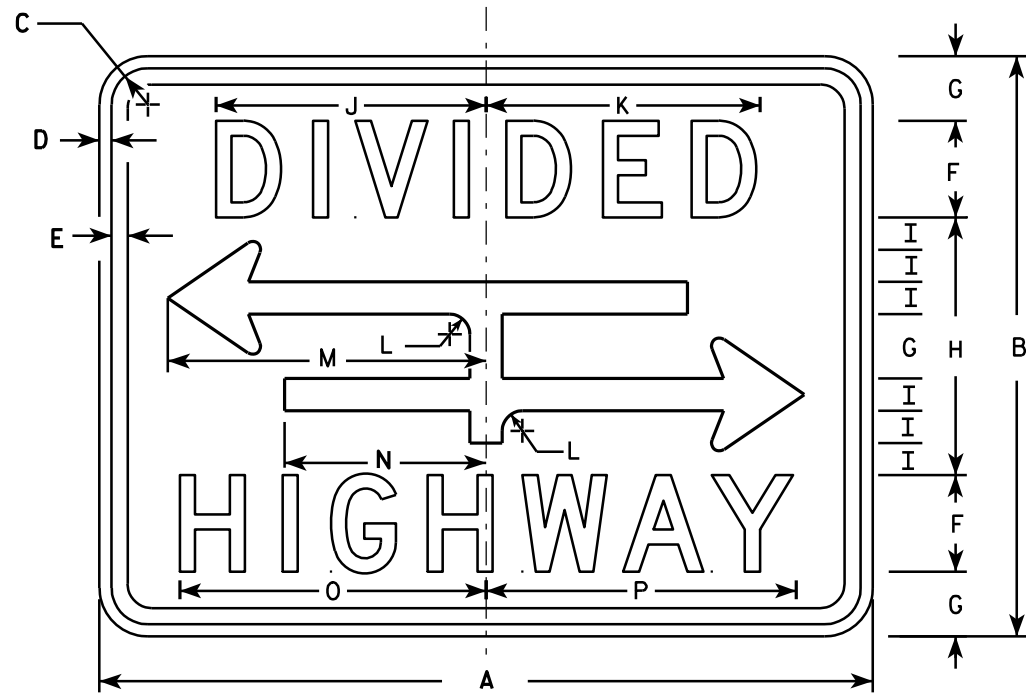
PROJECT NO:

SHEET NO:

E



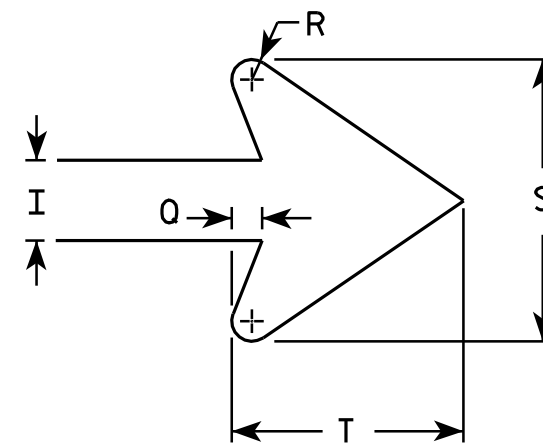
R6-3



R6-3A

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.



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																											

PROJECT NO:

STANDARD SIGN
R6-3 & R6-3A

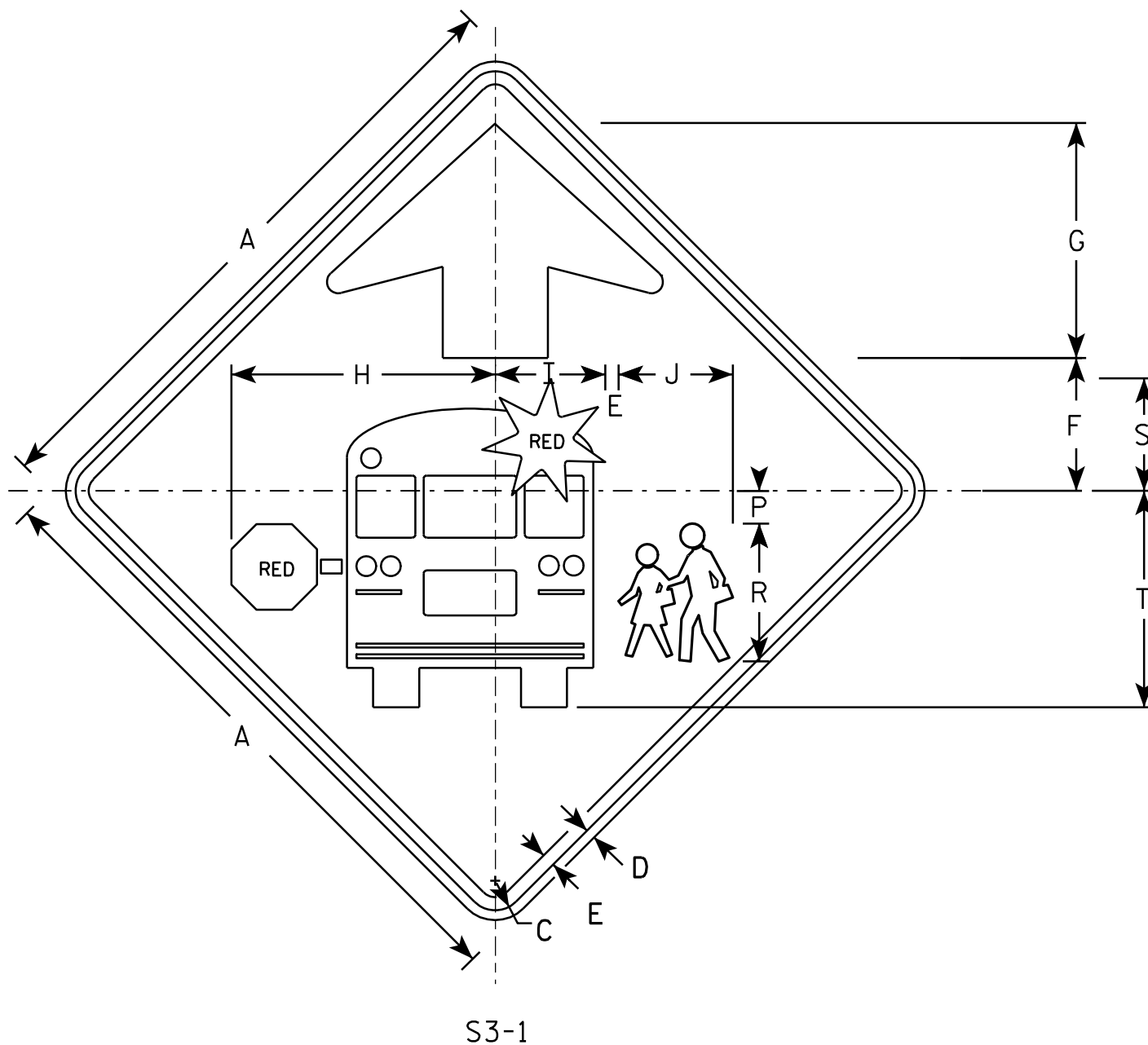
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

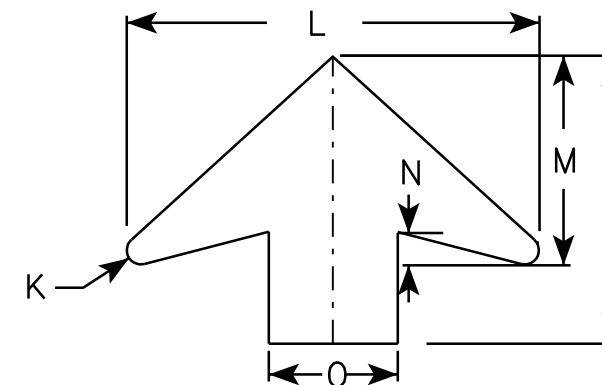
SHEET NO:

E

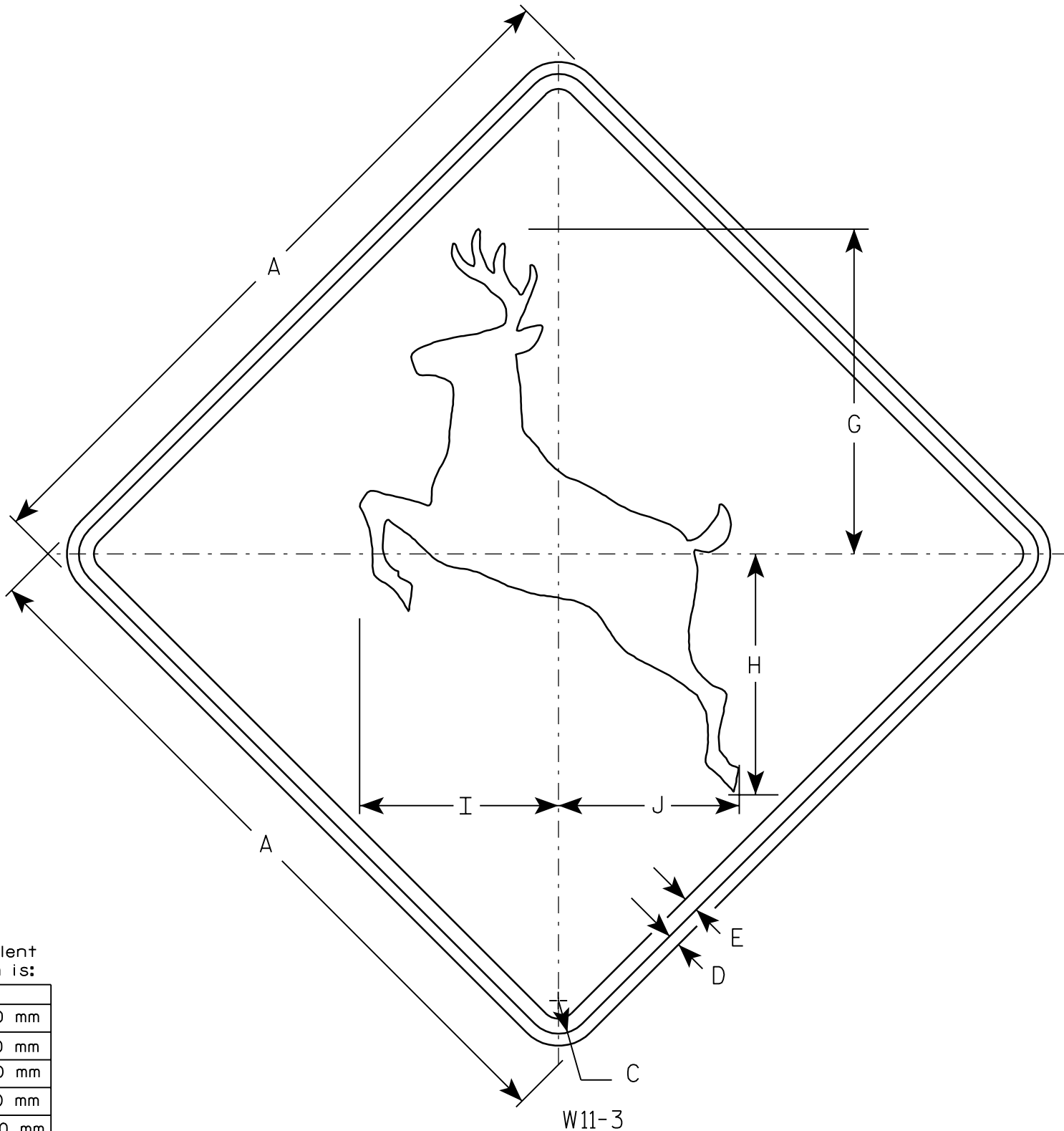


NOTES

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.

Metric equivalent
for this sign is:

SIZE	
1	600 mm X 600 mm
2	750 mm X 750 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	1200 mm X 1200 mm

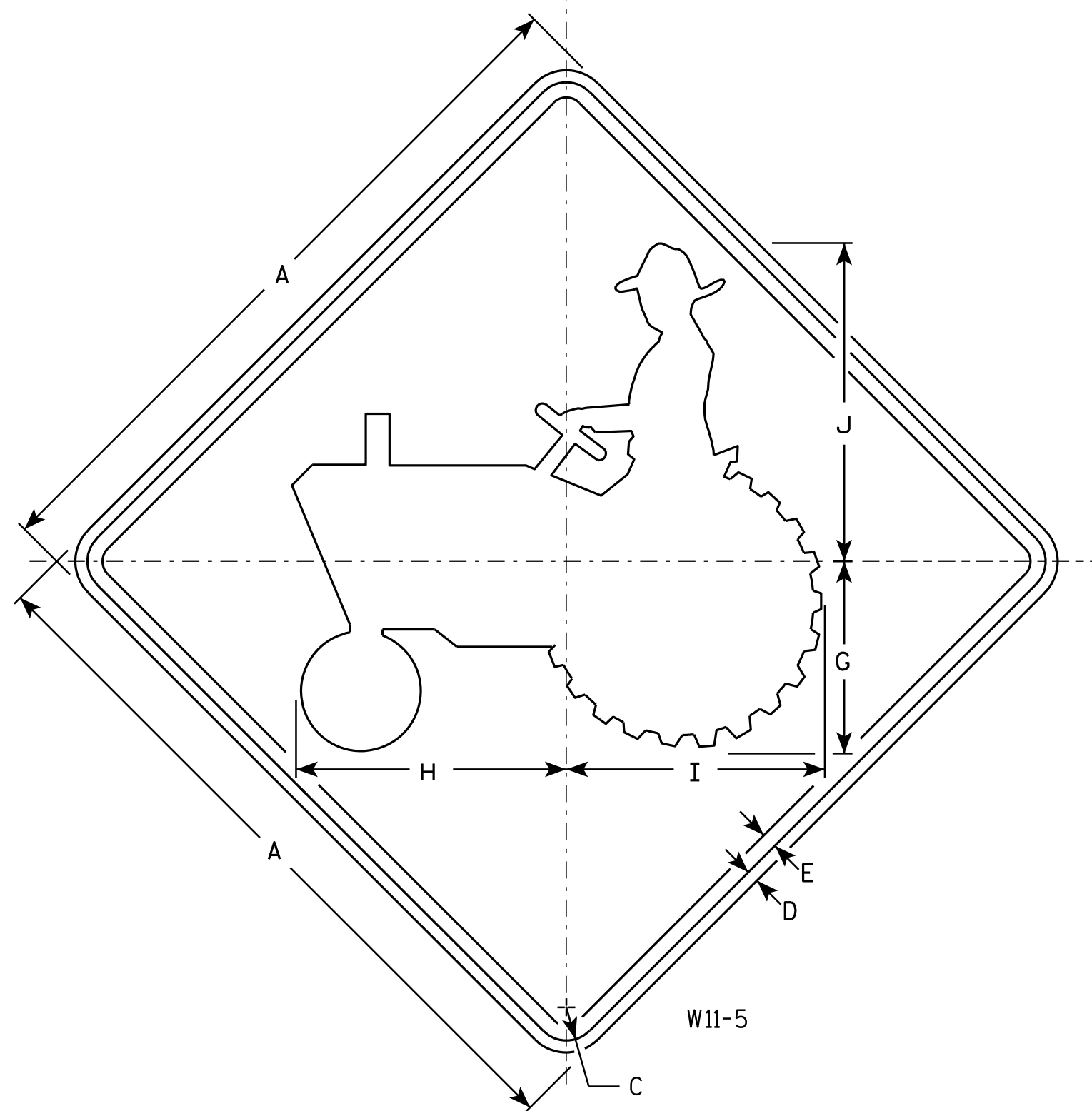
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m ²
1	24		1 1/8	3/8	1/2		10 5/8	7 5/8	6 1/2	5 7/8																	4.0	0.36
2	30		1 3/8	1/2	5/8		13 5/8	10	8 1/4	7 1/2																	6.25	0.56
3	36		1 5/8	5/8	3/4		16 1/4	12	9 7/8	9																	9.0	0.81
4	36		1 5/8	5/8	3/4		16 1/4	12	9 7/8	9																	9.0	0.81
5	48		2 1/4	3/4	1		21 1/4	15 3/4	13	11 3/4																	16.0	1.44

STANDARD SIGN
W11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Charles J. Spang*
for State Traffic Engineer

DATE 01/16/02 PLATE NO. W11-3.5



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		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 3/13/13 PLATE NO. W11-5.6

PROJECT NO:

HWY:

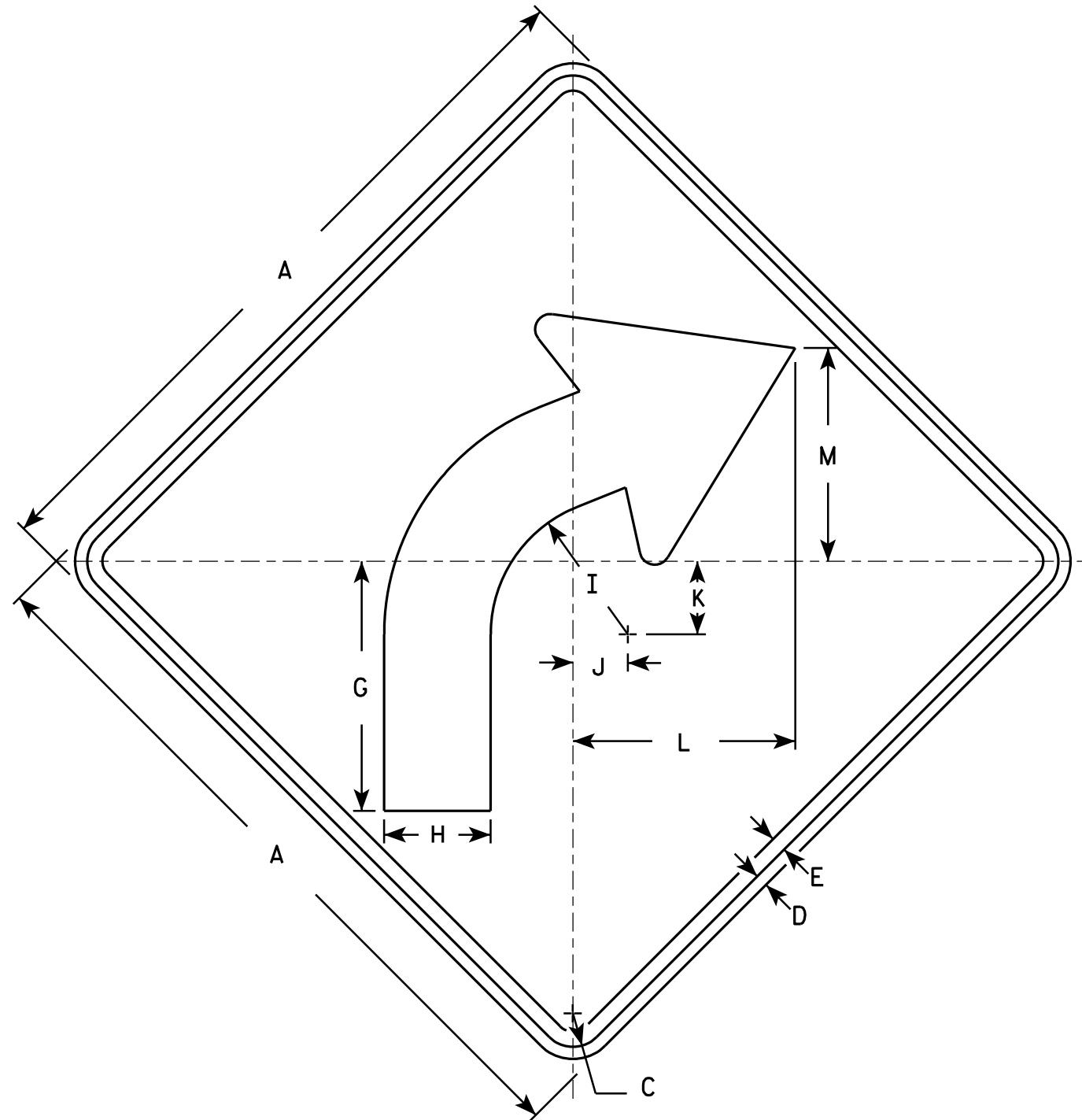
COUNTY:

SHEET NO:

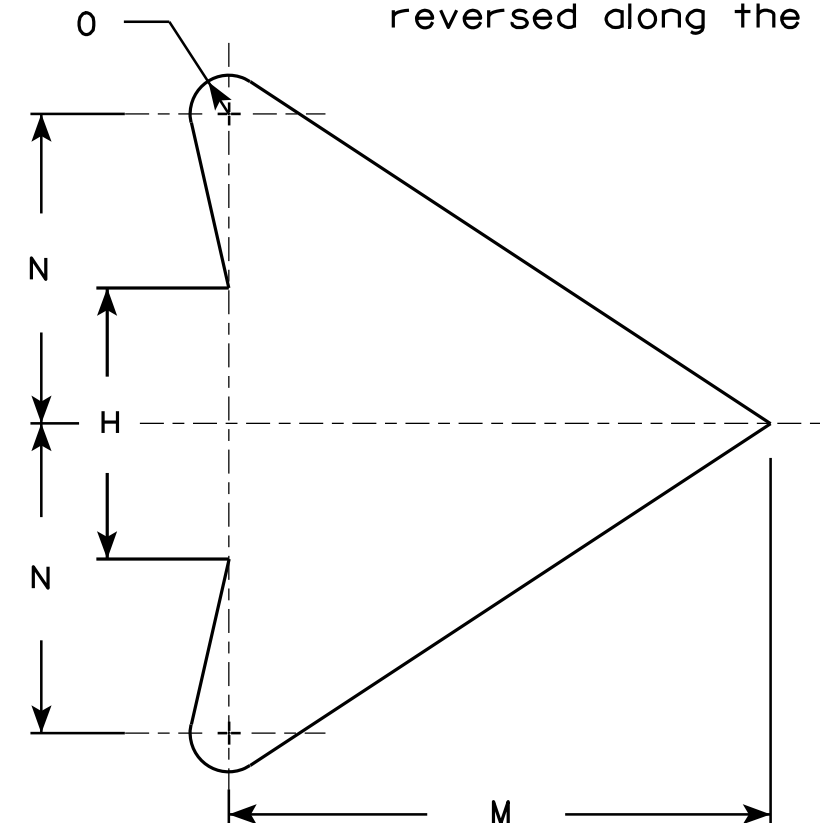
E

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

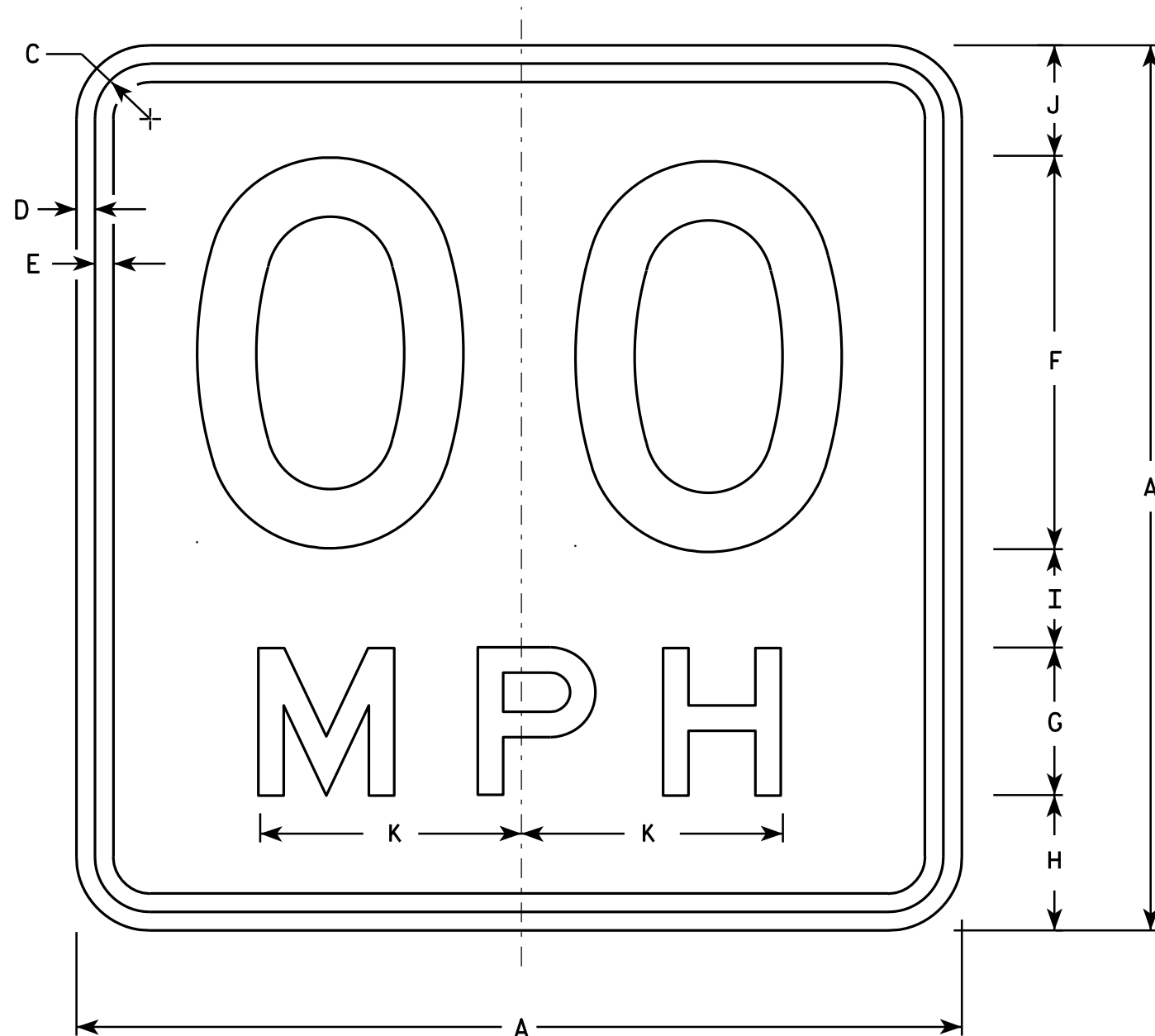
PROJECT NO:

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:

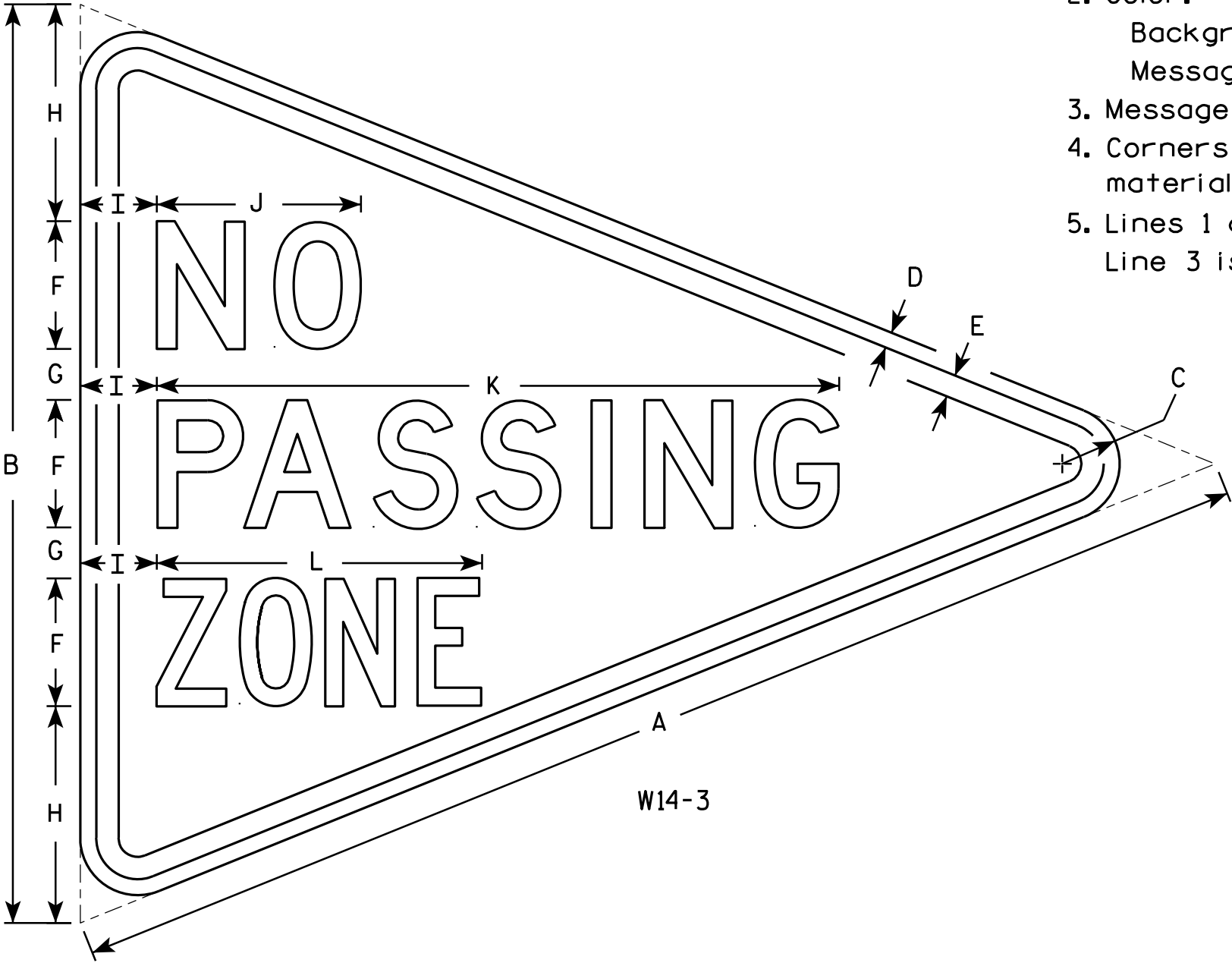
COUNTY:

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

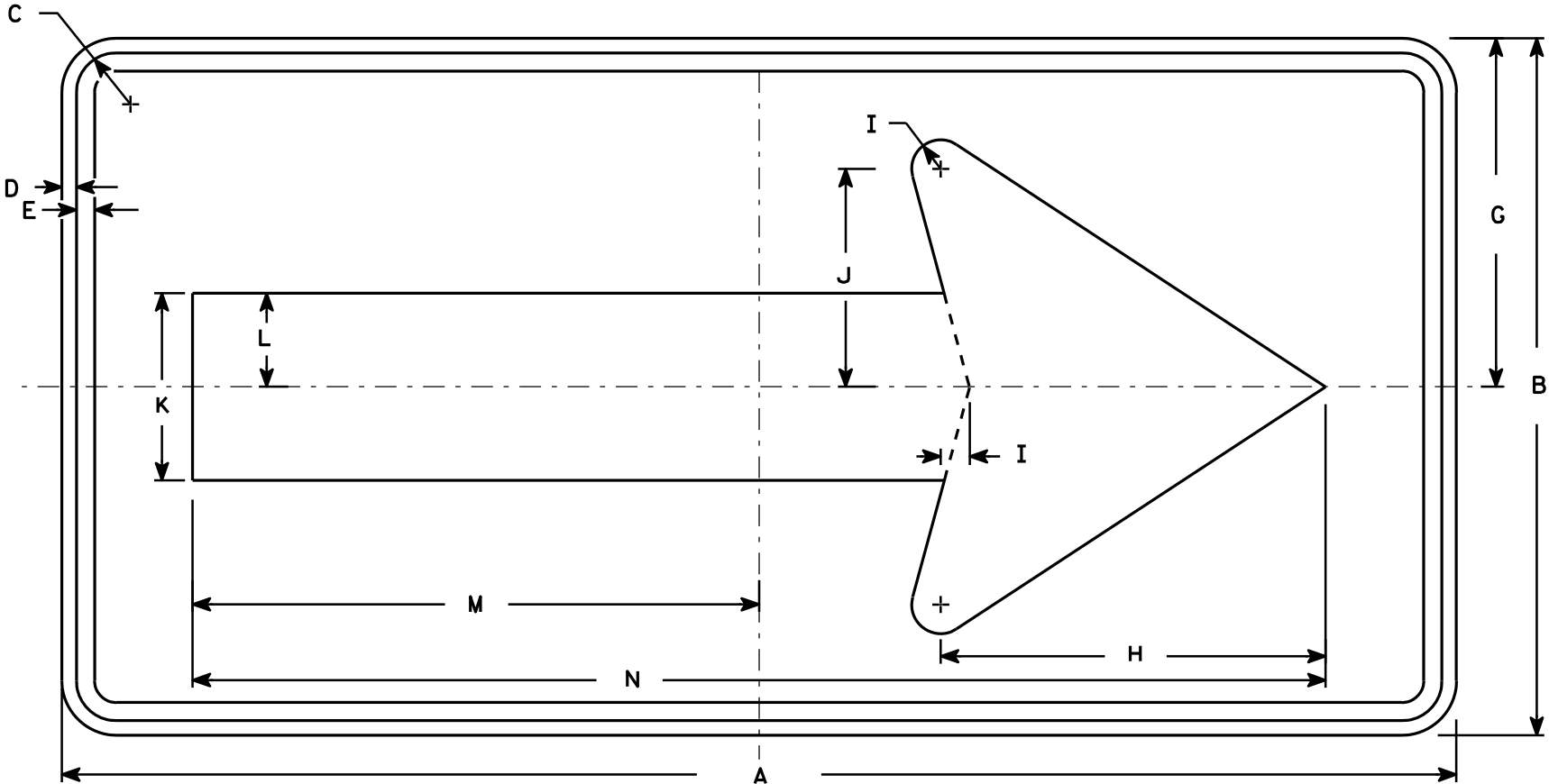
WISCONSIN DEPT OF TRANSPORTATION

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.



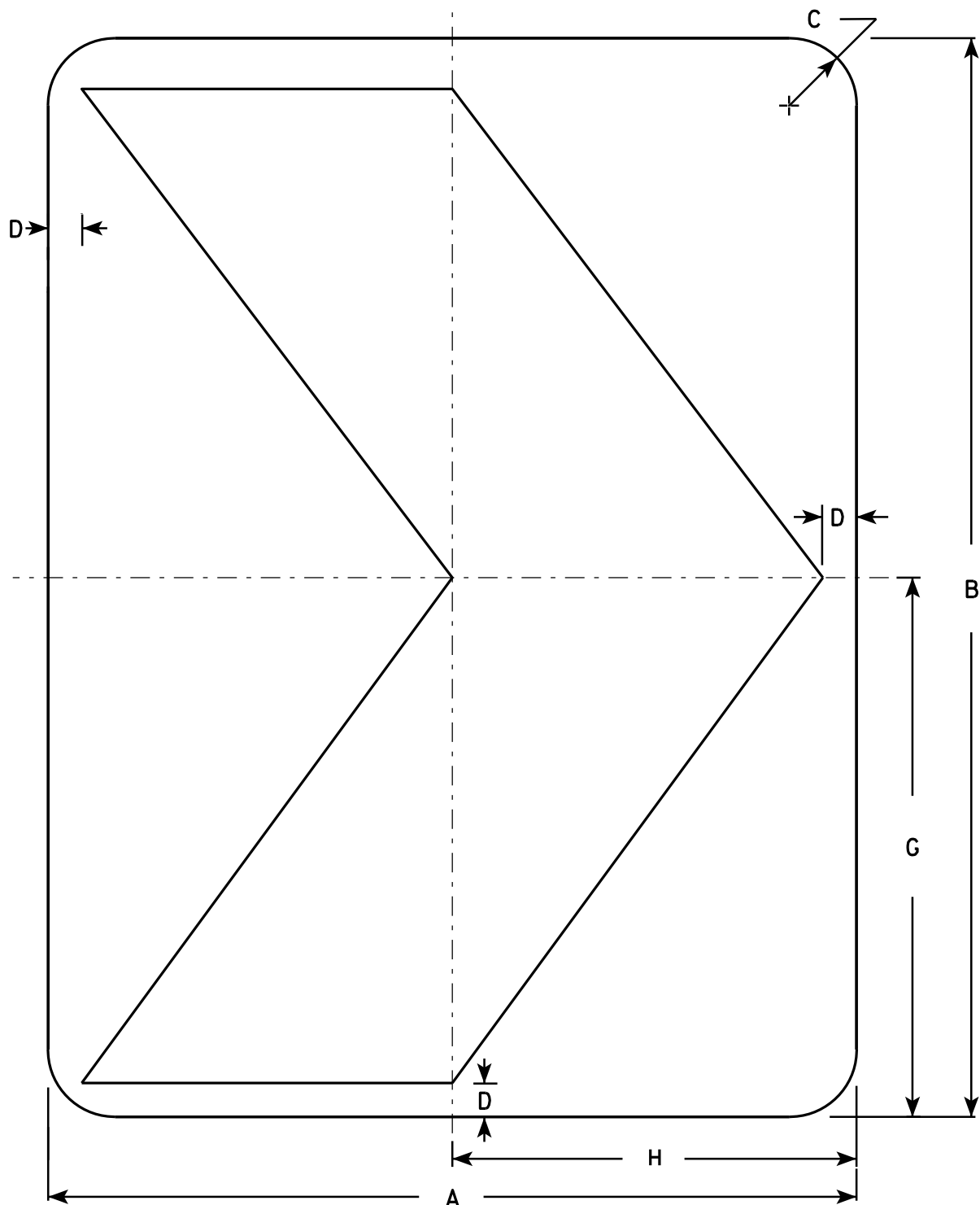
W1-6

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



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	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

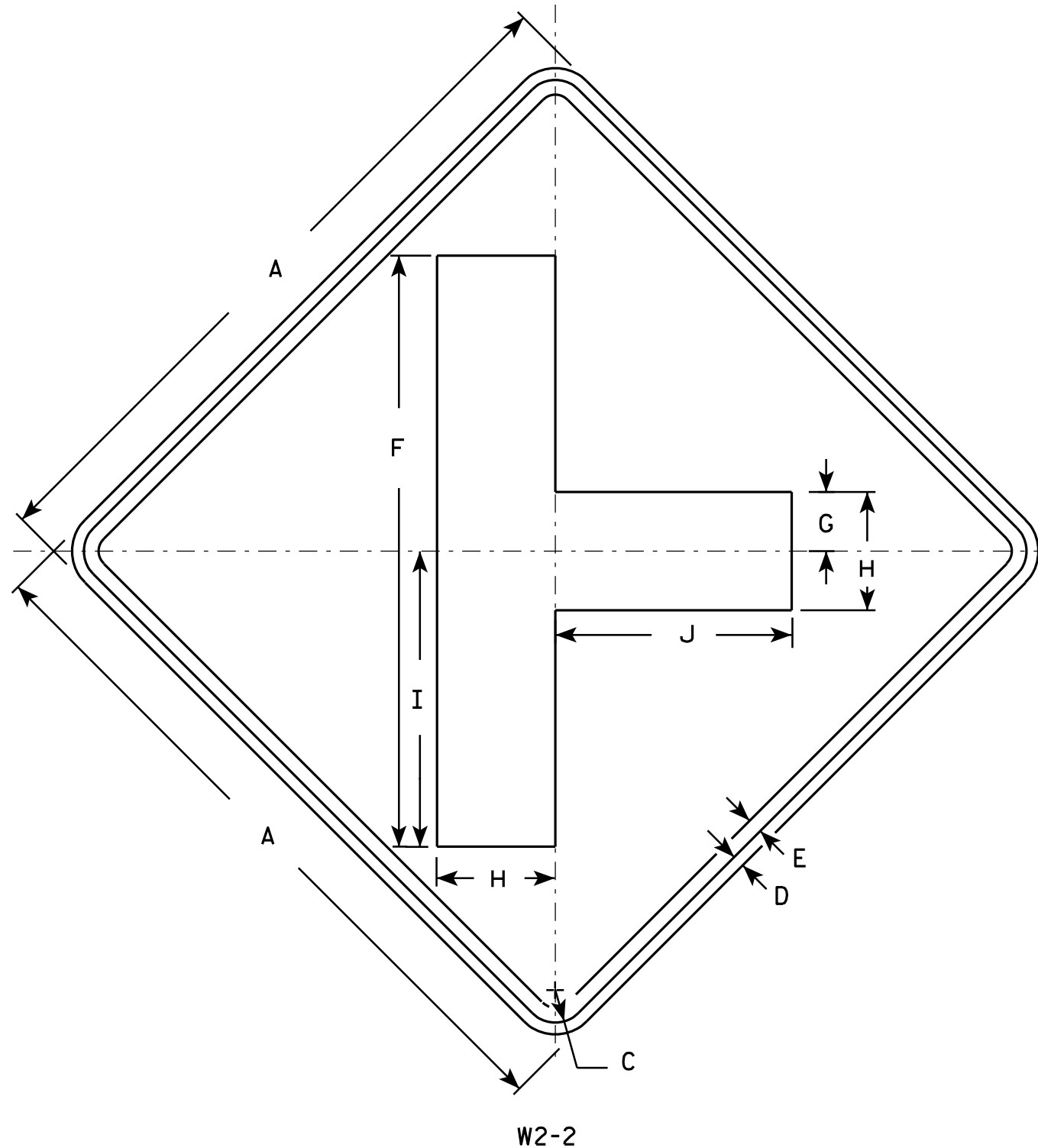
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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																											

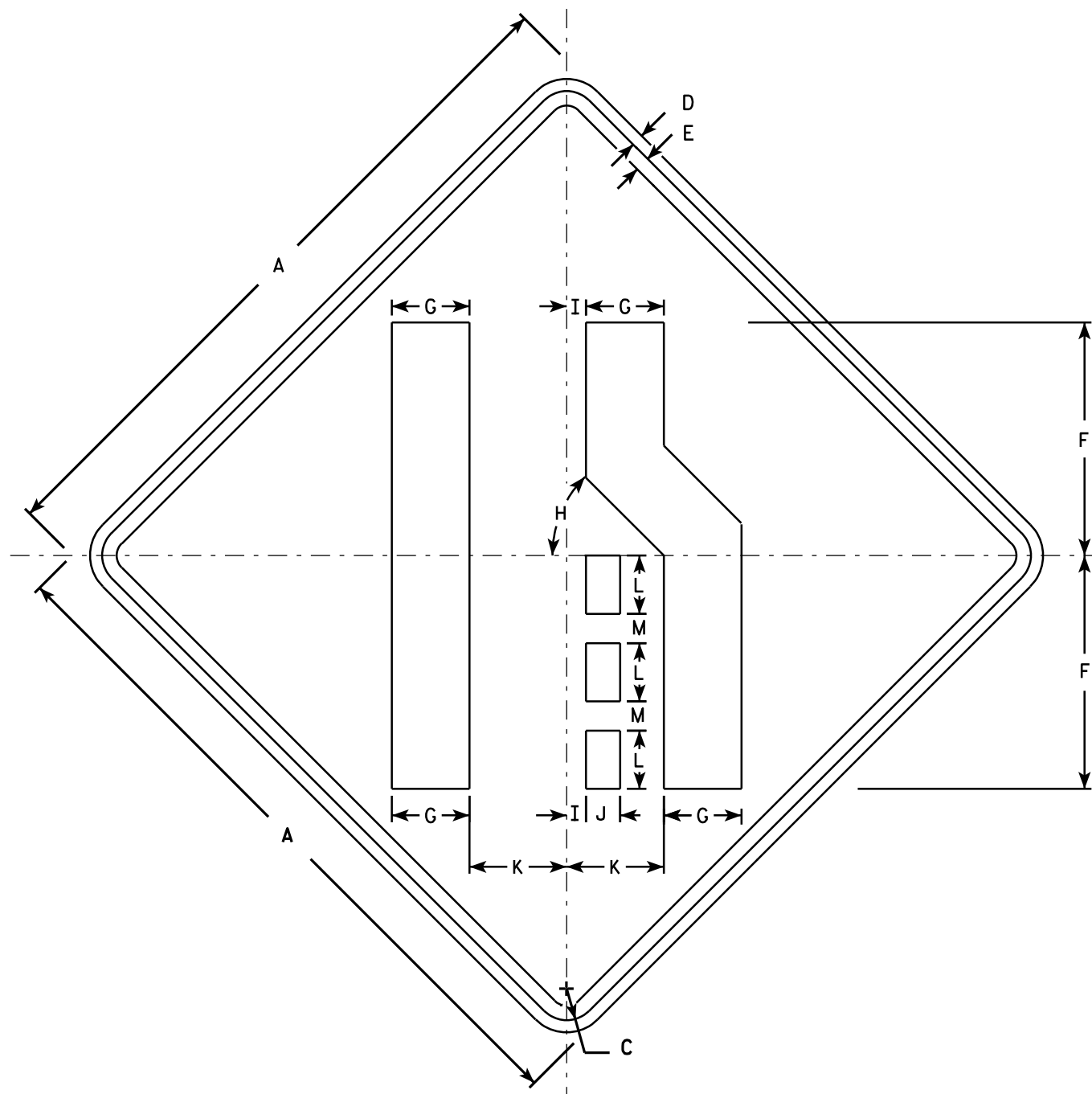
STANDARD SIGN W2-2

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 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. W4-2L is the same as W4-2R except the symbols is reversed along the vertical centerline.

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	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

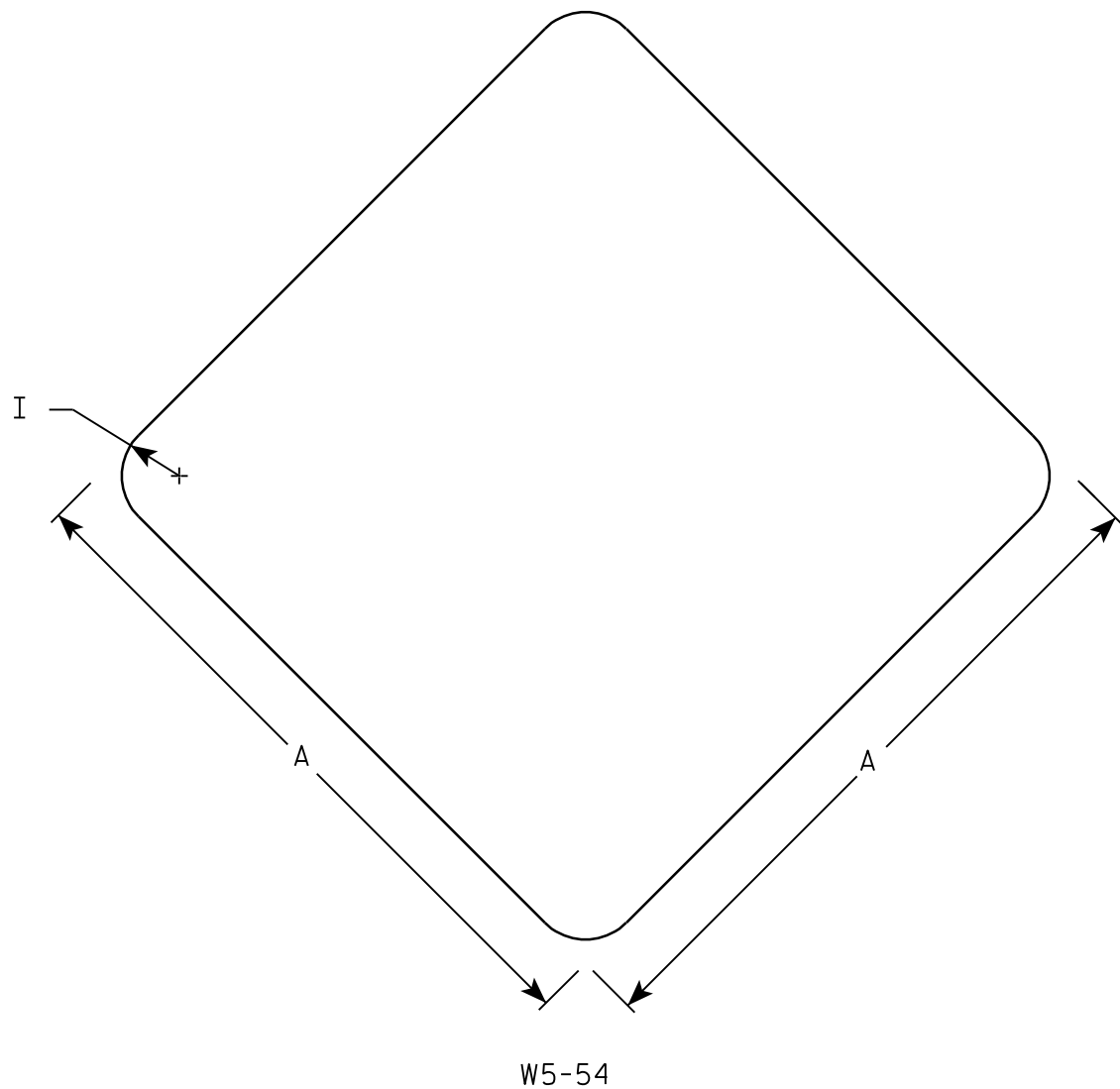
DATE 3/12/13 PLATE NO. W4-2.14

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																											

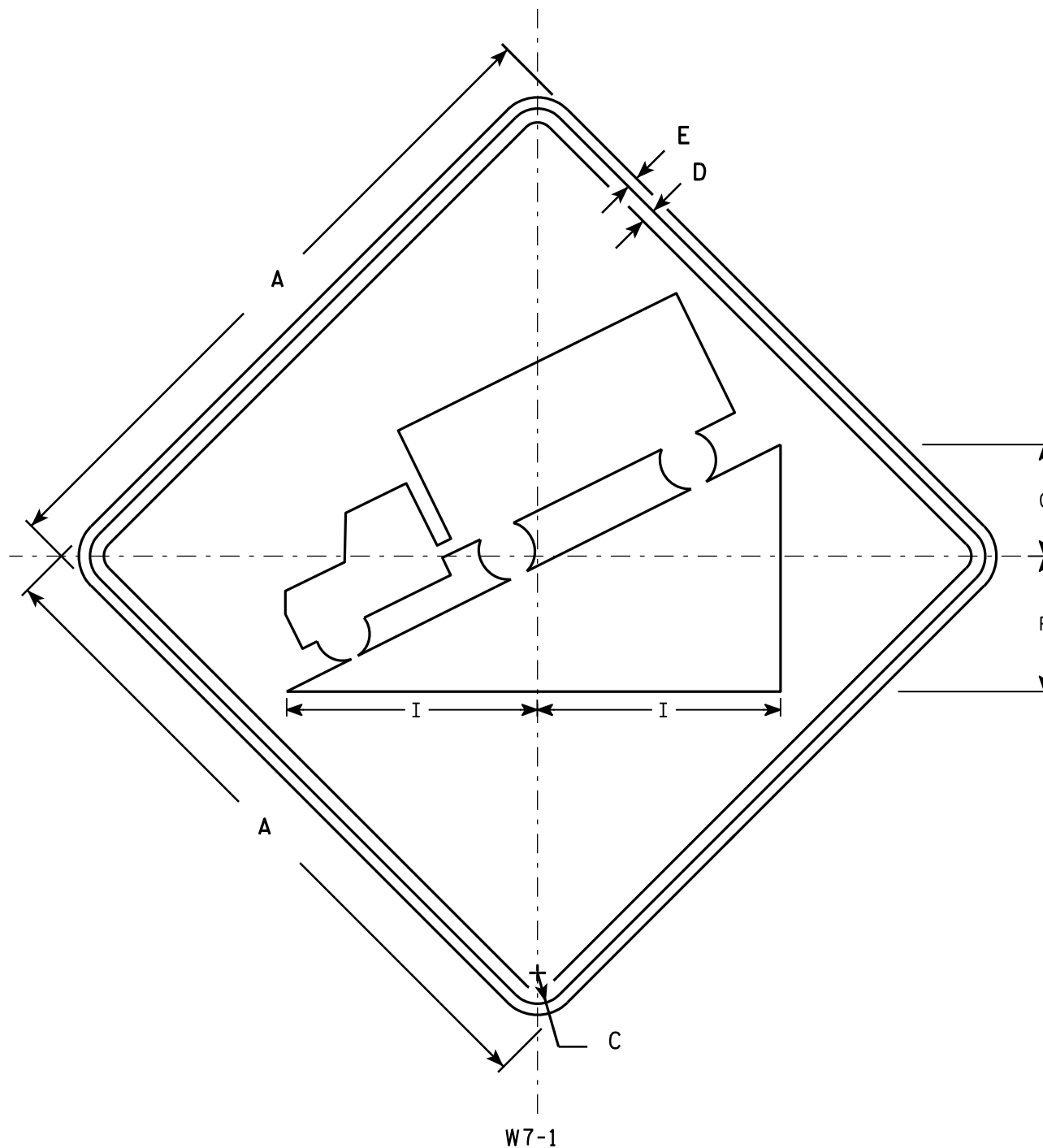
STANDARD SIGN

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 F 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

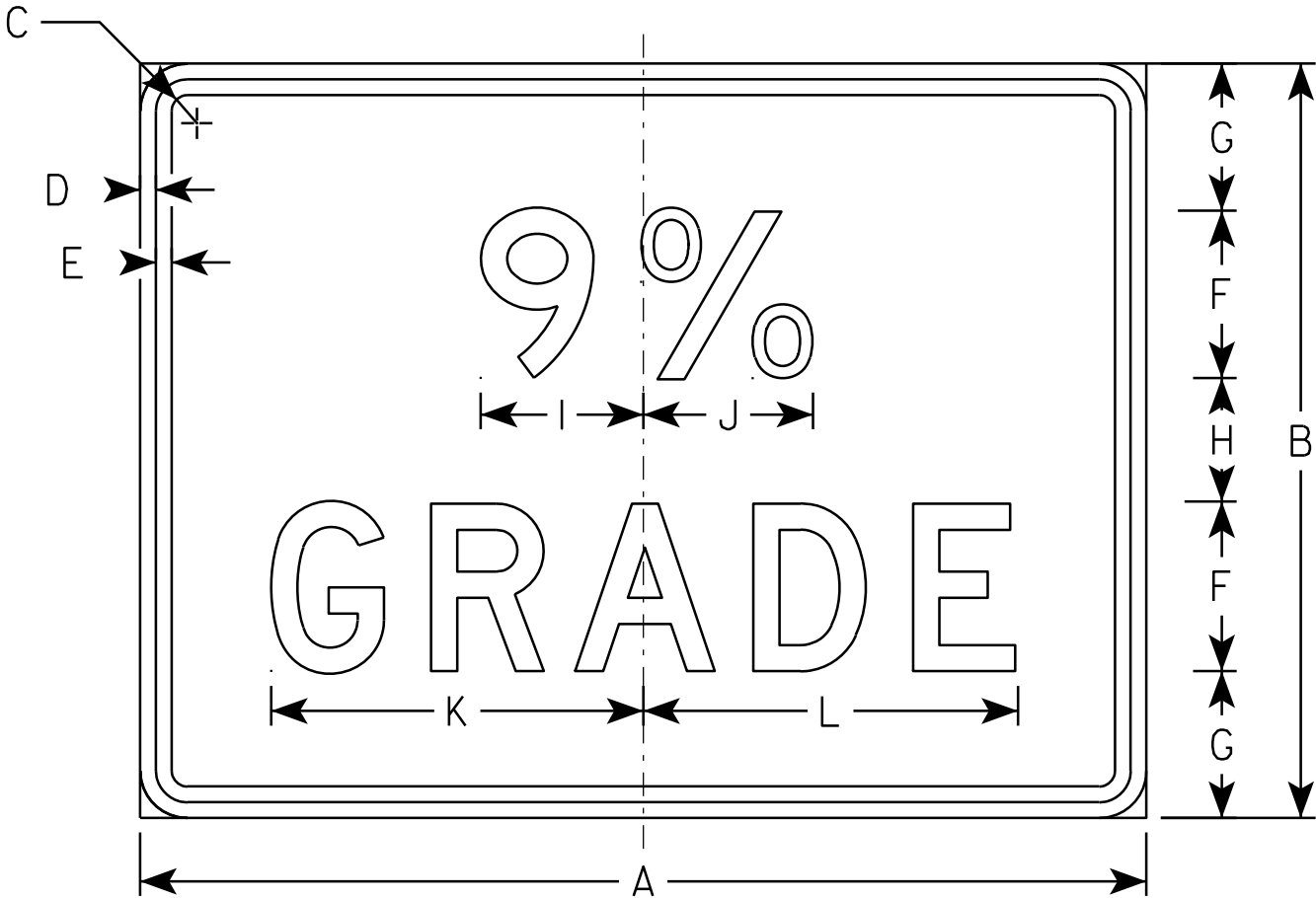
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 03/12/13 PLATE NO. W7-1.13

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. Substitute appropriate numeral and optically adjust spacing to achieve proper balance.



W7-3

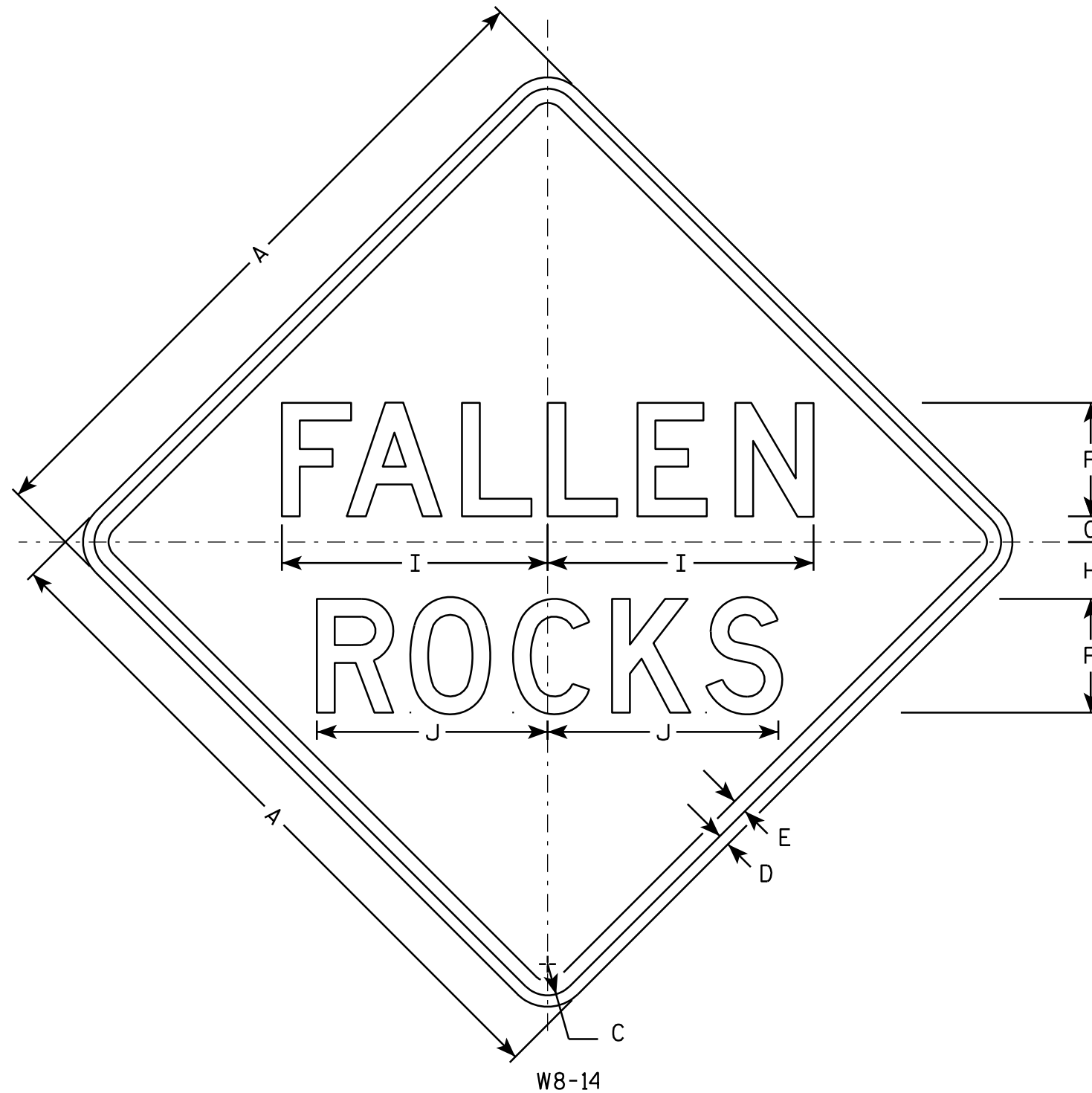
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/8	3/8	3/8	4	3 1/2	3	3 7/8	4	8 7/8	9															3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	3 7/8	4	8 7/8	9															3.0
3																											
4																											
5																											

STANDARD SIGN
W7-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W7-3.4



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 - 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	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 03/14/13 PLATE NO. W8-14.2

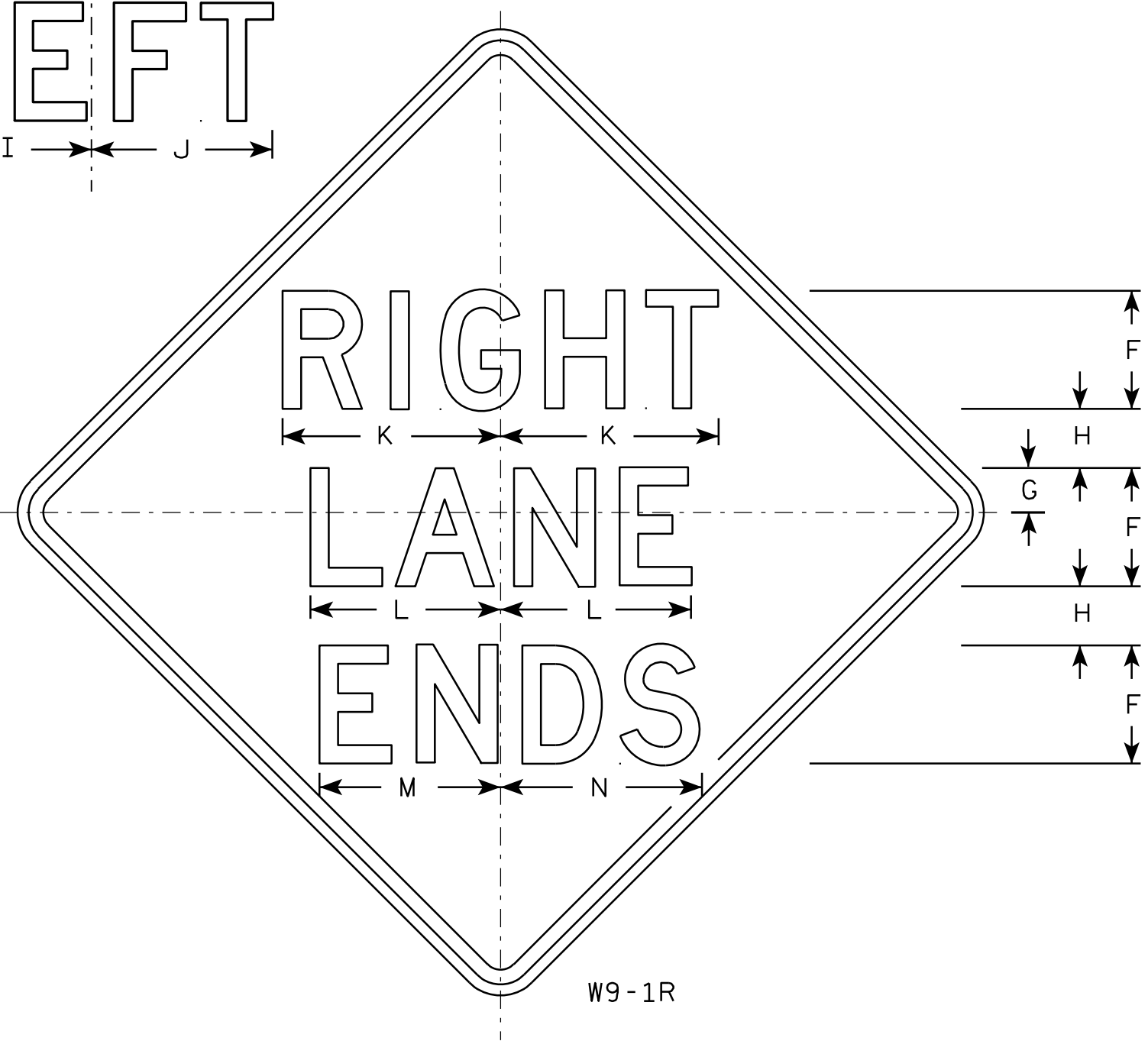
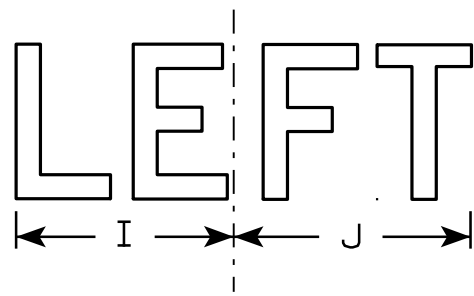
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



W9-1R

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 - 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

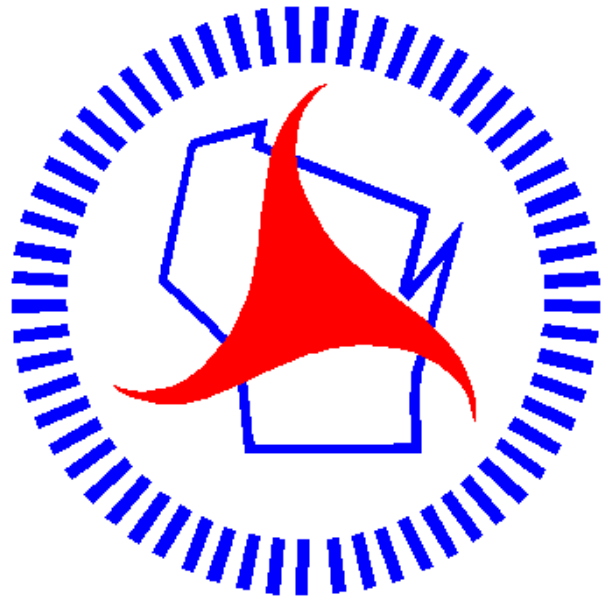
STANDARD SIGN

W9-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 03/18/13 PLATE NO. W9-1.8



Wisconsin Department of Transportation

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through innovation and exceptional service.

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