

ORDER OF SHEETS

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

TOTAL SHEETS = 68



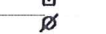
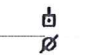
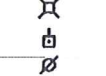
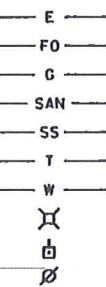
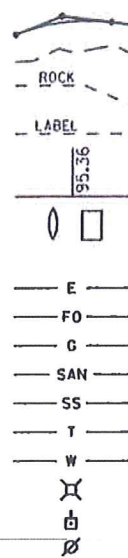
DESIGN DESIGNATION

A.A.D.T. 2004	= 1,600
A.A.D.T. 2020	= 1,900
D.H.V.	= 4.6
D.D.	= 62/38
T.	= 5.8%
DESIGN SPEED	= 60 MPH
ESALS	= 400,000

CONVENTIONAL SYMBOLS

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

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



GENERAL NOTES

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR DIRECT CALL THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 110 LB/SY/INCH.

APPLY TACK COAT TO MILLED SURFACES. THE RATE OF APPLICATION IS 0.025 GALLONS PER SQUARE YARD OR AS DIRECTED BY THE ENGINEER.

PRIOR TO PLACEMENT OF STEEL PLATE BEAM GUARD, THE SHOULDERS SHALL BE IN PLACE, SHAPED AND COMPACTED.

ALL EXISTING SIGNS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OPERATIONS REQUIRE THEIR REMOVAL OR UNLESS THE ENGINEER APPROVES THEIR REMOVAL.

THE LOCATION OF STOP LINES SHALL BE DETERMINED IN THE FIELD 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, ALL SIGNS RELATING TO THIS OPERATION SHALL BE COVERED OR REMOVED AND FACILITY RESTORED TO NORMAL OPERATION.

PAVING LIMITS AT INTERSECTIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER AND SHALL HAVE BUTT JOINTS.

EXISTING SHOULDER AGGREGATE SHALL BE INCORPORATED INTO THE NEW SHOULDERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN THE FIELD.

REMOVE AND REPLACE ALL SIGNS AND POSTS WITH NEW SIGNS AND POSTS IN THE SAME GENERAL LOCATION UNLESS OTHERWISE NOTED ON THE PLANS.

HMA PAVEMENT WILL BE PLACED IN ONE LAYERS FOR A TOTAL DEPTH OF 2".

THE CONTACTOR'S PAVING OPERATIONS SHALL BE CONSISTANT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

MATERIALS OR EQUIPMENT WILL NOT BE STORED OR OPERATED WITHIN THE WETLAND LIMITS, STA. 252+25 - 253+25, DURING BEAM GUARD REPLACEMENT.

BEAMGUARD WILL BE REPLACED THE SAME DAY IT IS REMOVED.

Roadway Boring Summary Table - 6/24/98

Station	Bituminous Thickness	Comments:
61+00	-	Dane/Columbia Line
66+00	0.55'	over contaminated base
114+00	-	CTH V
121+00	0.6'	over contaminated base 22.5' paved width
192+00	0.55'	over contaminated base
245+90	.5'	over contaminated base
309+50	0.55'	exposed bedrock in cut section
314+00	-	Columbia/Dodge County Line
367+60	0.05'	-
394+00	-	CTH T
432+00	0.4'	over 0.25' base over unknown bituminous
437+20	-	Dodge/Jefferson County Line

Utility Contacts

Lawrence Huber
ANR Pipeline Company - Gas/Petroleum
W3925 Pipeline Ln
Eden, WI 53019
(920) 477-2235
lawrence.huber@elpaso.com

Jason Hogan
Alliant Energy - Electricity
4902 N Billmore Lane
P.O. Box 77007
Madison, WI 53707-1007
(608) 395-7395
jasonhogan@alliantenergy.com

Matt Brown
Charter Communications - Communication Line
2701 Daniels St
Madison, WI 53718
(608) 274-3822
matt.brown@chartercom.com

Bernadine Zander
Elba Sanitary District 1 - Sewer
W12014 Johnson Rd
Columbus, WI 53925

Jim Birkenheier
McLeod USA Telecommunication Services Inc - Communication Line
731 N Jackson St Ste 410
Milwaukee, WI 53202
(414) 831-5252
james.birkenheier@paetec.com

Dennis Bates
Verizon Communications - Communication Line
100 Communications Dr
Sun Prairie, WI 53590
(608) 837-1405
denny.bates@verizon.com

Waterloo Water And Light Commission - Water
575 Commercial Ave
Waterloo, WI 53594-2400

Dan Sande
We Energies - Gas/Petroleum
333 W Everett St, A279
Milwaukee, WI 53203
(414) 221-4578
dan.sande@we-energies.com

DNR CONTACT

Michael Halsted
3911 Fish Hatchery Rd.
Fitchburg, WI 53711
michael.halsted@wisconsin.gov

Jon Gessner
Adams-Columbia Electric Cooperative - Electricity
W6290 Hwy 33
Pardeeville, WI 53954
(608) 429-2882

Mike Olsen
ATC Management, Inc. - Electricity
801 O'keefe Rd
P.O. Box 6113
Depere, WI 54115-6113
(920) 338-6582
molsen@atcllc.com

Tony Klatt
Charler Communications - Communication Line
W 7185 State Rd. 49 Ste 1
Waupun, WI 53963
(920) 263-0062

Lois Wells
Koch Pipeline Company L.P. - Gas/Petroleum
12555 Clark Rd
P.O. Box 64596
Rosemount, MN 55164-0596
(651) 438-1564

Nancy Thompson
Portland Town of Sanit Dist #1 - Sewer
N197 Columbus St
Waterloo, WI 53594
(920) 478-9735

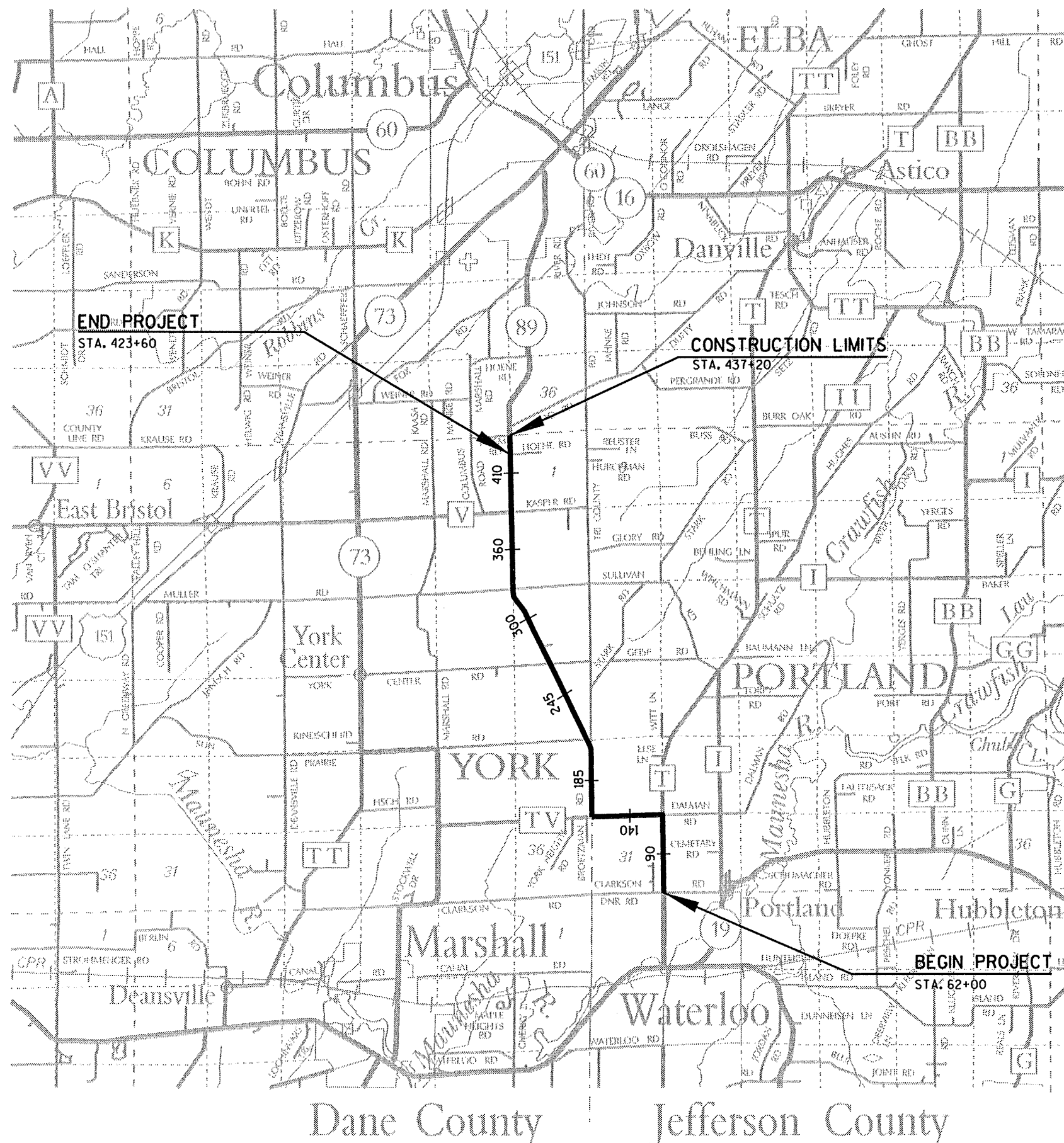
Frederick Holaus
Waterloo Water & Light - Electricity
122 S Monroe St
Waterloo, WI 53594
(920) 478-2260
wlooch@hurleycomputers.com

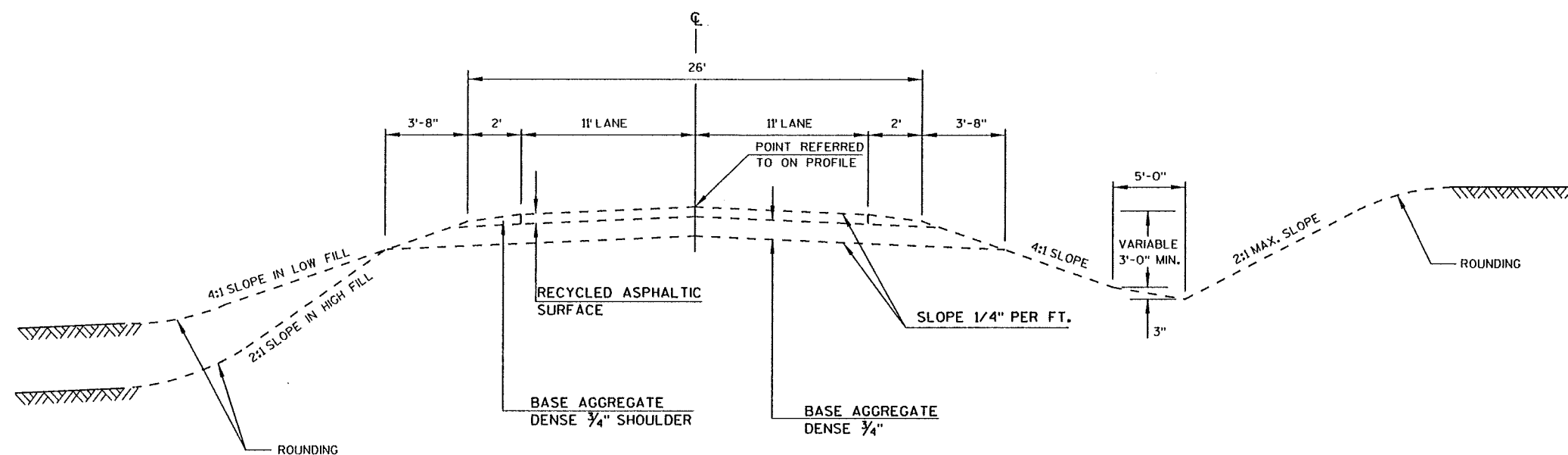
Dan Sande
We Energies - Electricity
333 W Everett St, A279
Milwaukee, WI 53203
(414) 221-4578
dan.sande@we-energies.com

AT&T WI Design Engineering
AT&T Wisconsin - Communication Line
70 E Division Street
Fond Du Lac, WI 54935
(800) 924-4845



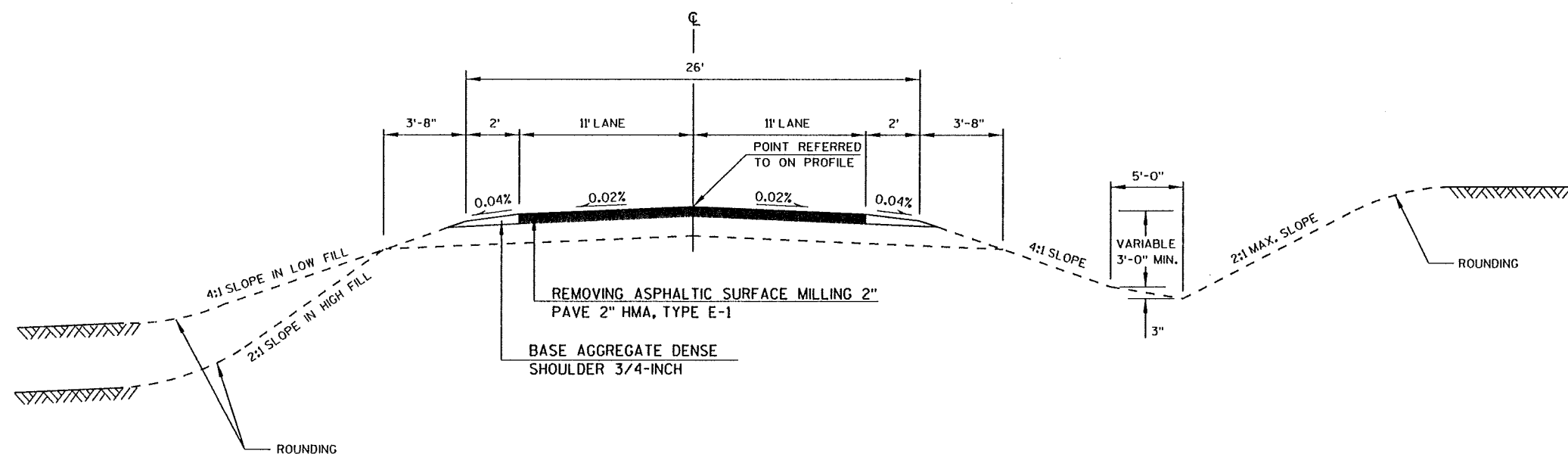
Call 811 3 Work Days Before You Dig
or Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com





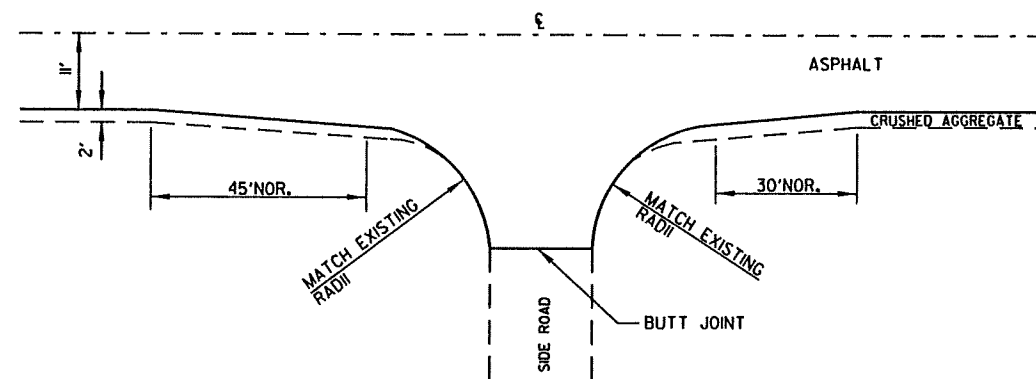
TYPICAL EXISTING SECTION

S.T.H. 89
STA. 62+00 - STA. 423+60

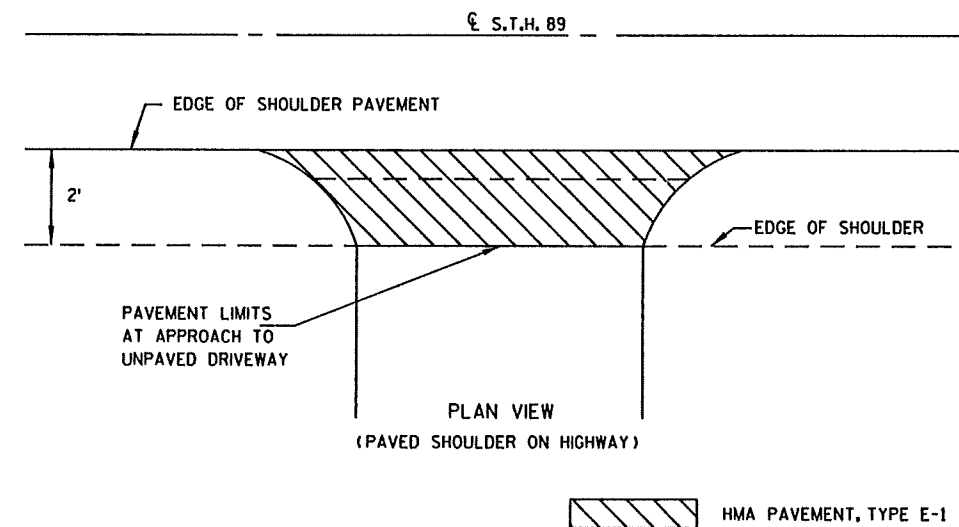


TYPICAL FINISHED SECTION

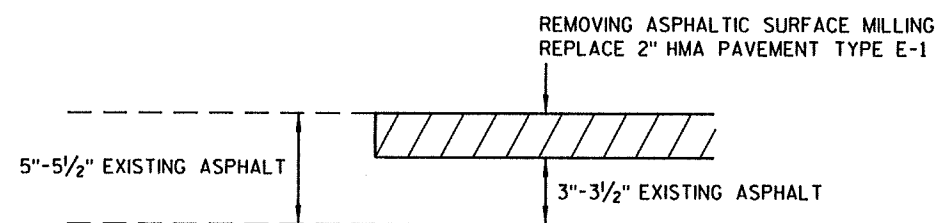
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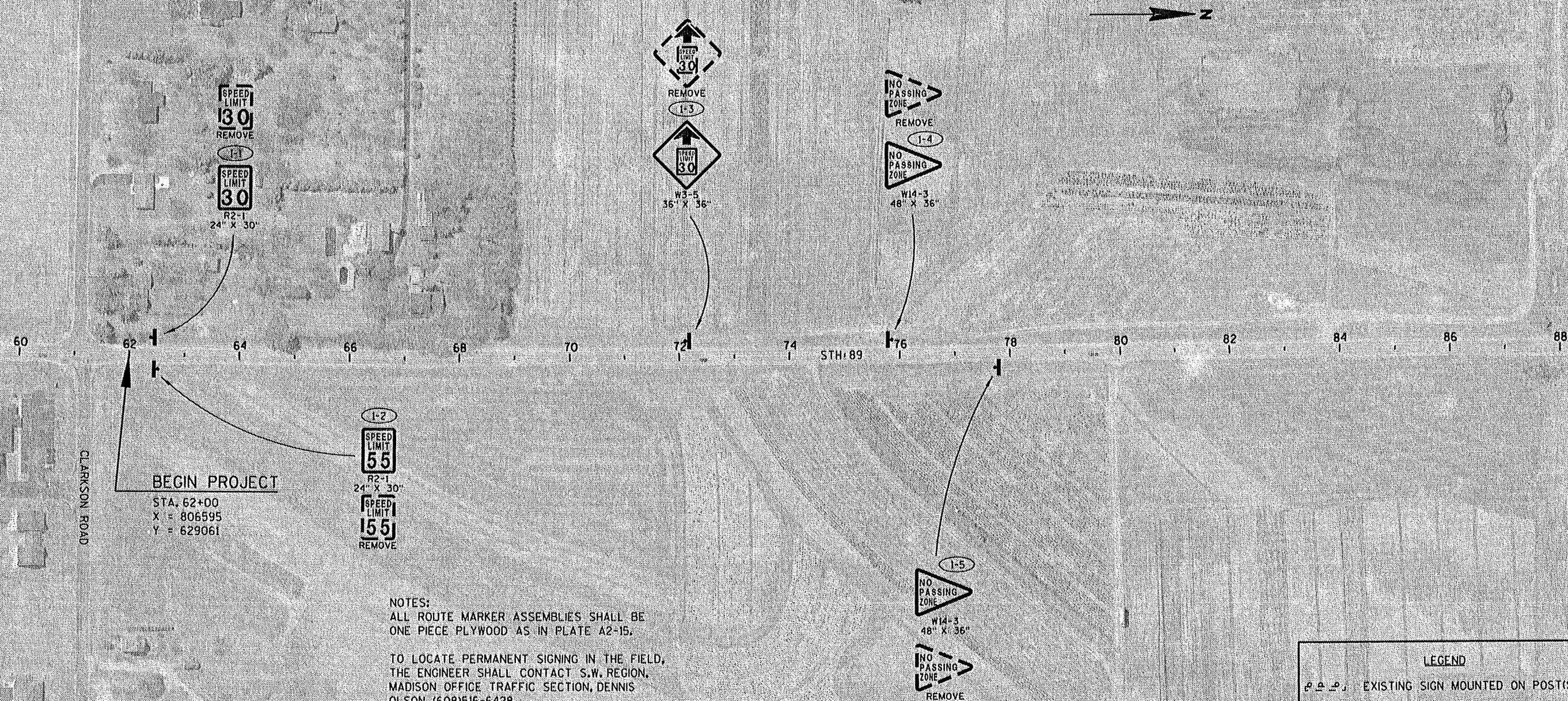
TYPICAL SIDE ROAD DETAIL



RURAL DRIVEWAY INTERSECTION DETAIL



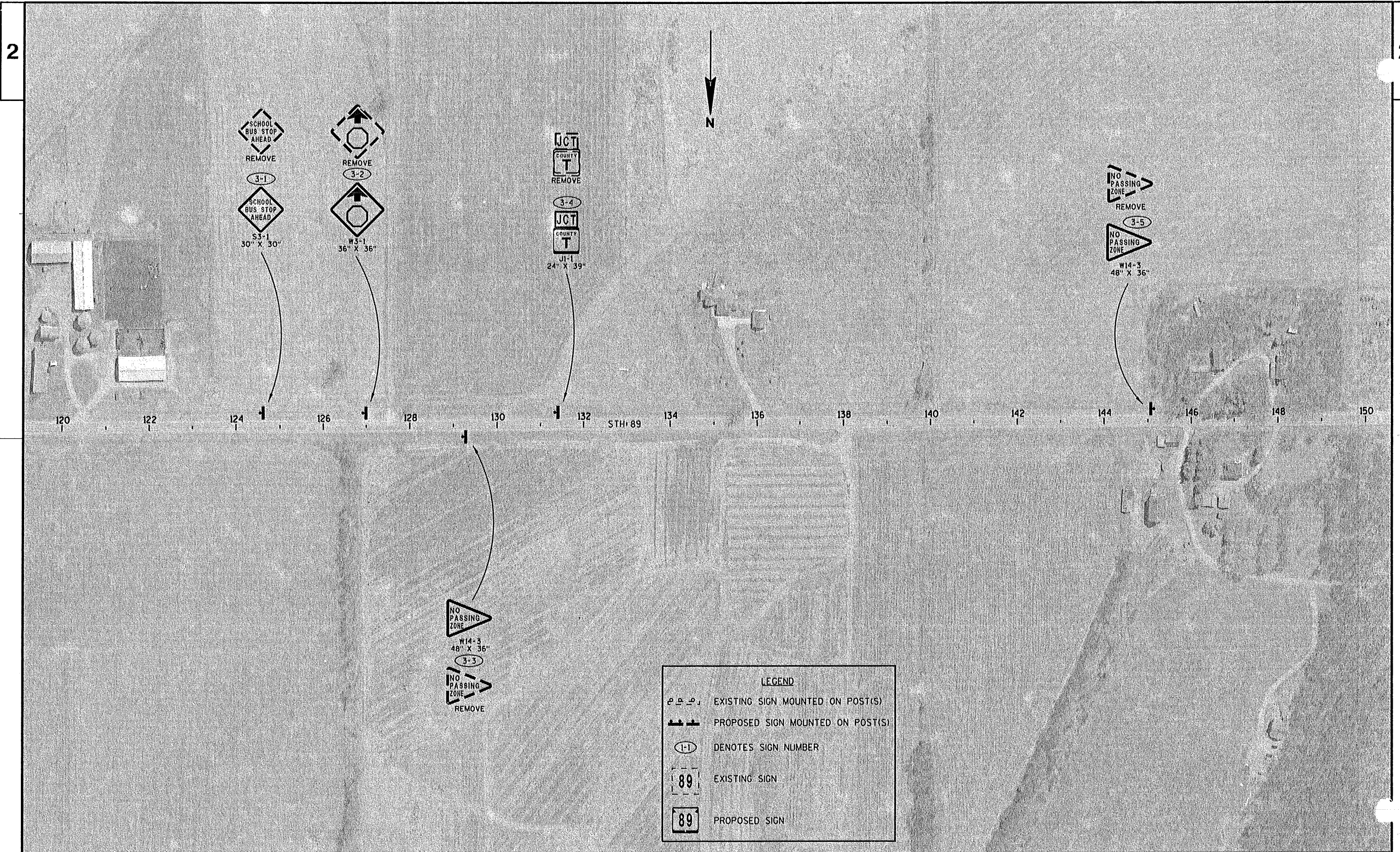
BUTT JOINT DETAIL



LEGEND

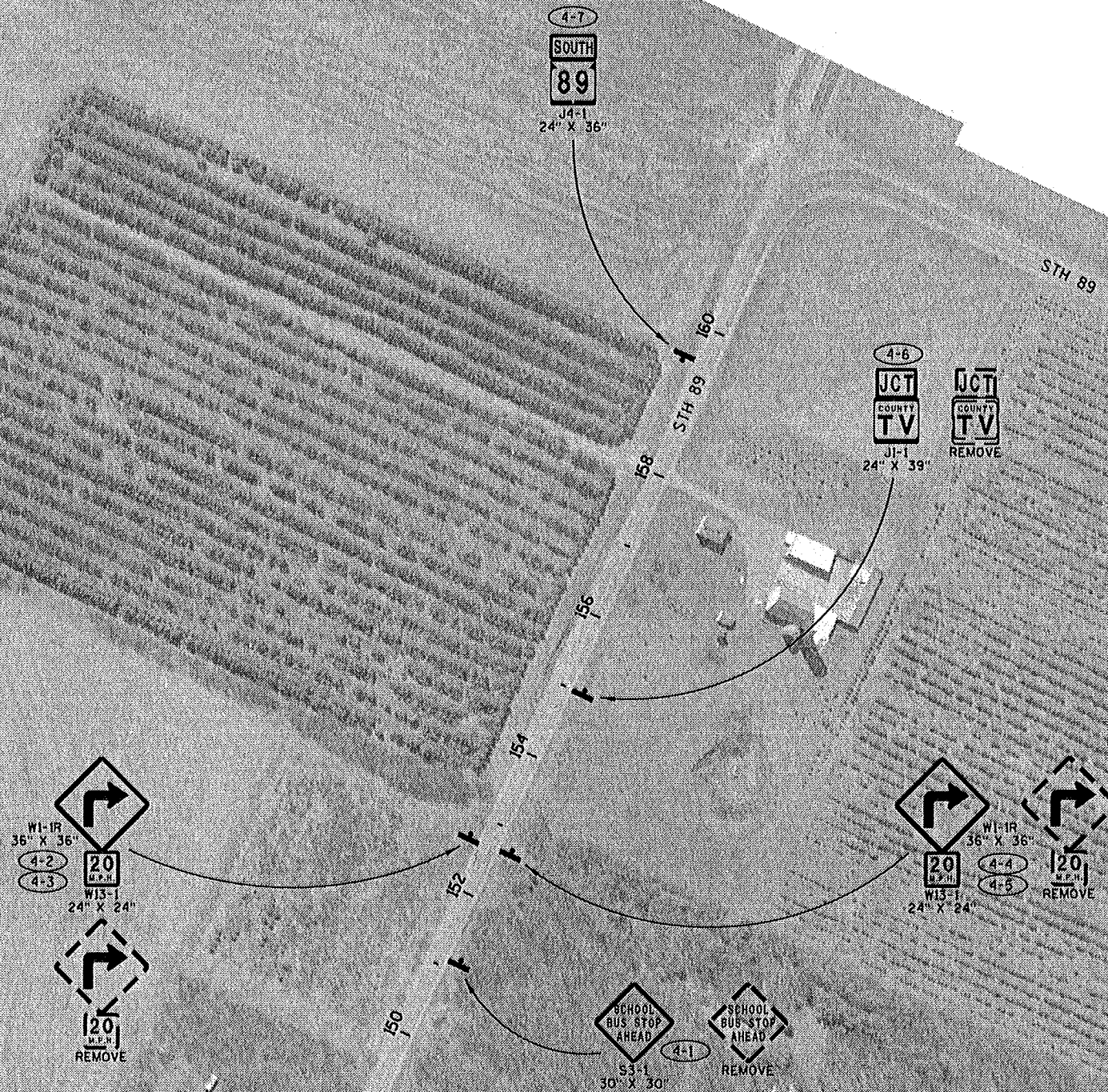
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 (1-1) DENOTES SIGN NUMBER
 89 EXISTING SIGN
 89 PROPOSED SIGN

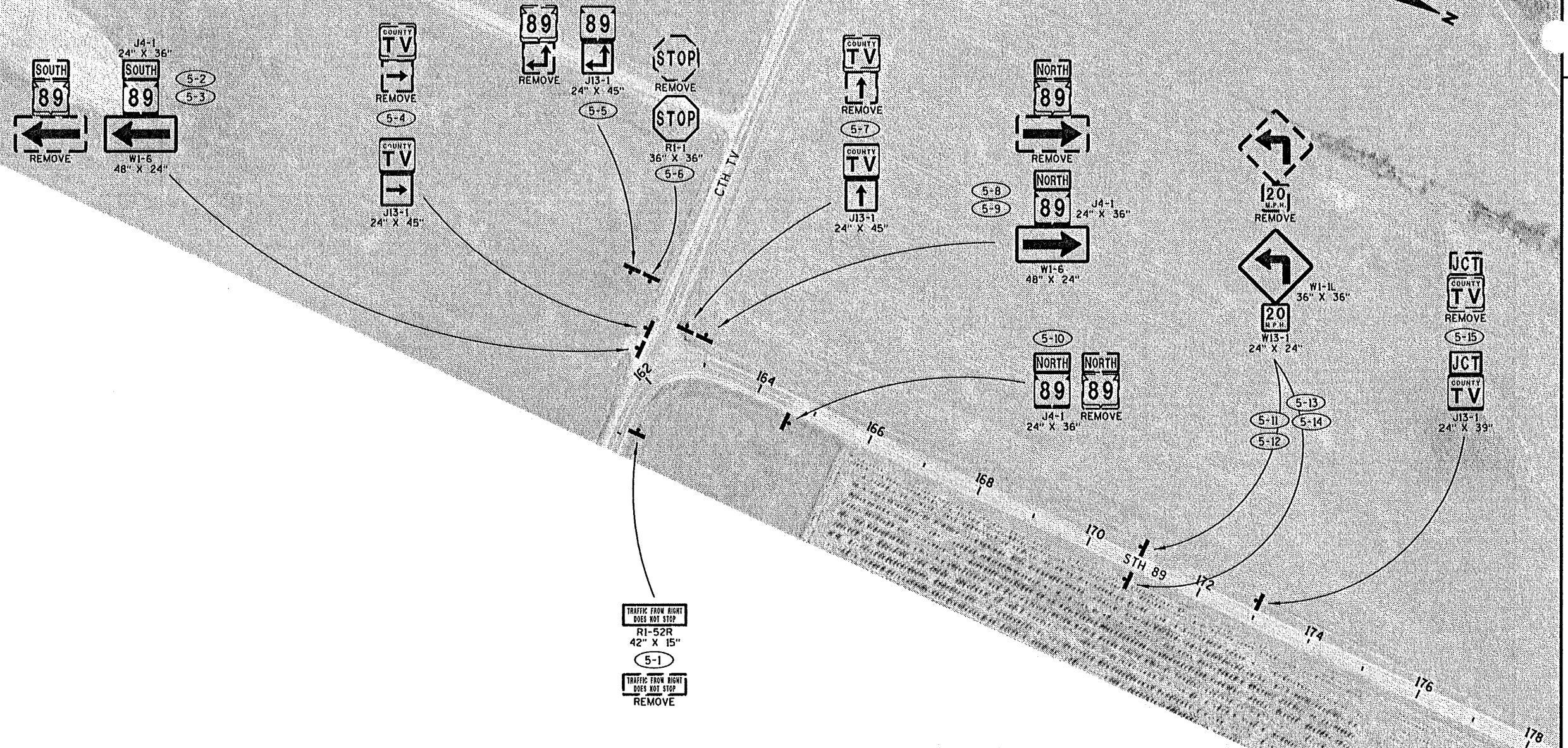




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PROPOSED SIGN MOUNTED ON POST(S)
(1-1) DENOTES SIGN NUMBER
89 EXISTING SIGN
89 PROPOSED SIGN





LEGEND

-  EXISTING SIGN MOUNTED ON POST(S)
-  PROPOSED SIGN MOUNTED ON POST(S)
-  DENOTES SIGN NUMBER
-  EXISTING SIGN
-  PROPOSED SIGN



NO
PASSING
ZONE
W14-3
48' X 36'
6-1
NO
PASSING
ZONE
REMOVE

NO
PASSING
ZONE
REMOVE
45
W13-1
18' X 18'
W1-2L
30' X 30'
6-2
6-3

NO
PASSING
ZONE
REMOVE
6-4
W14-3
48' X 36'

LEGEND

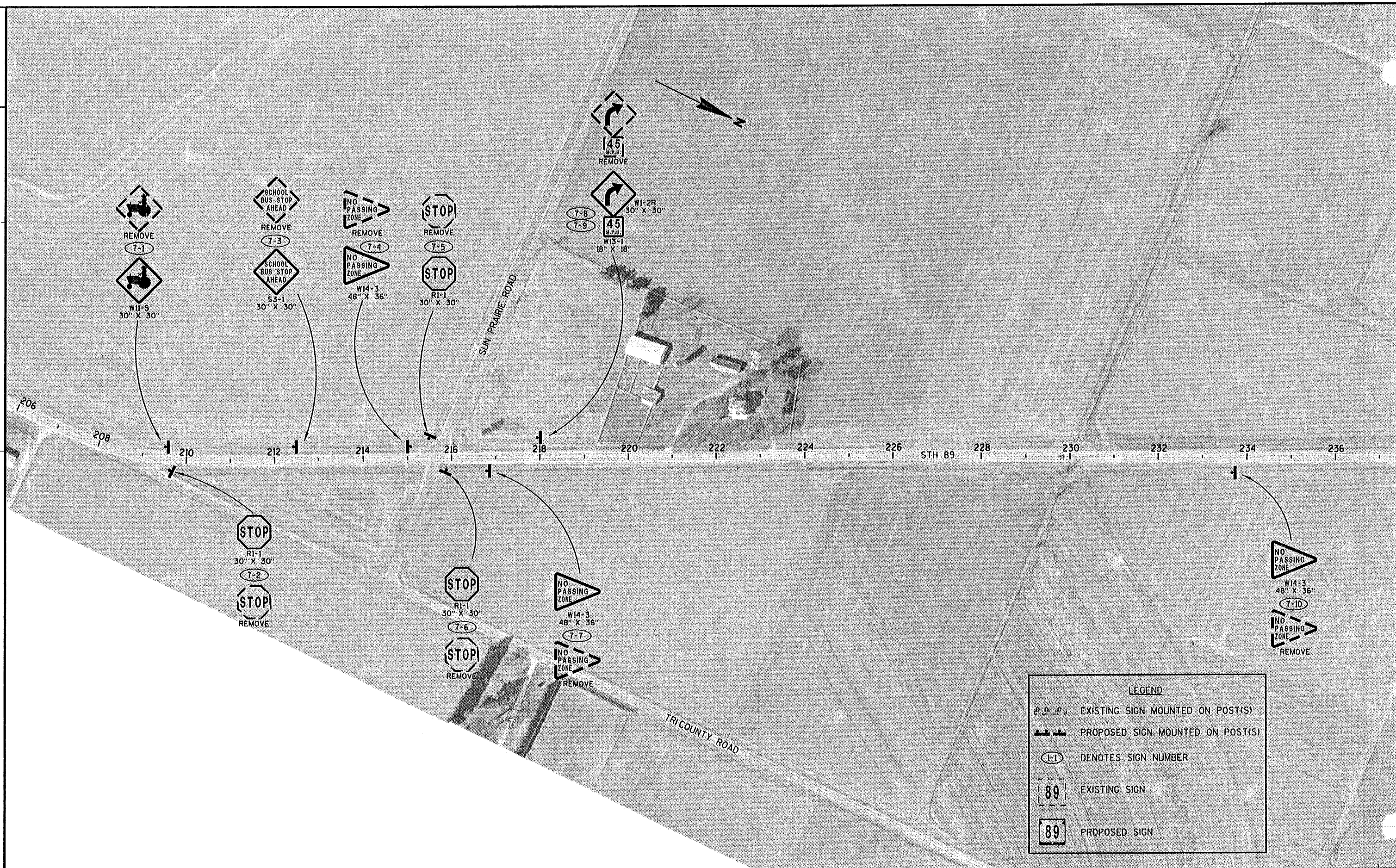
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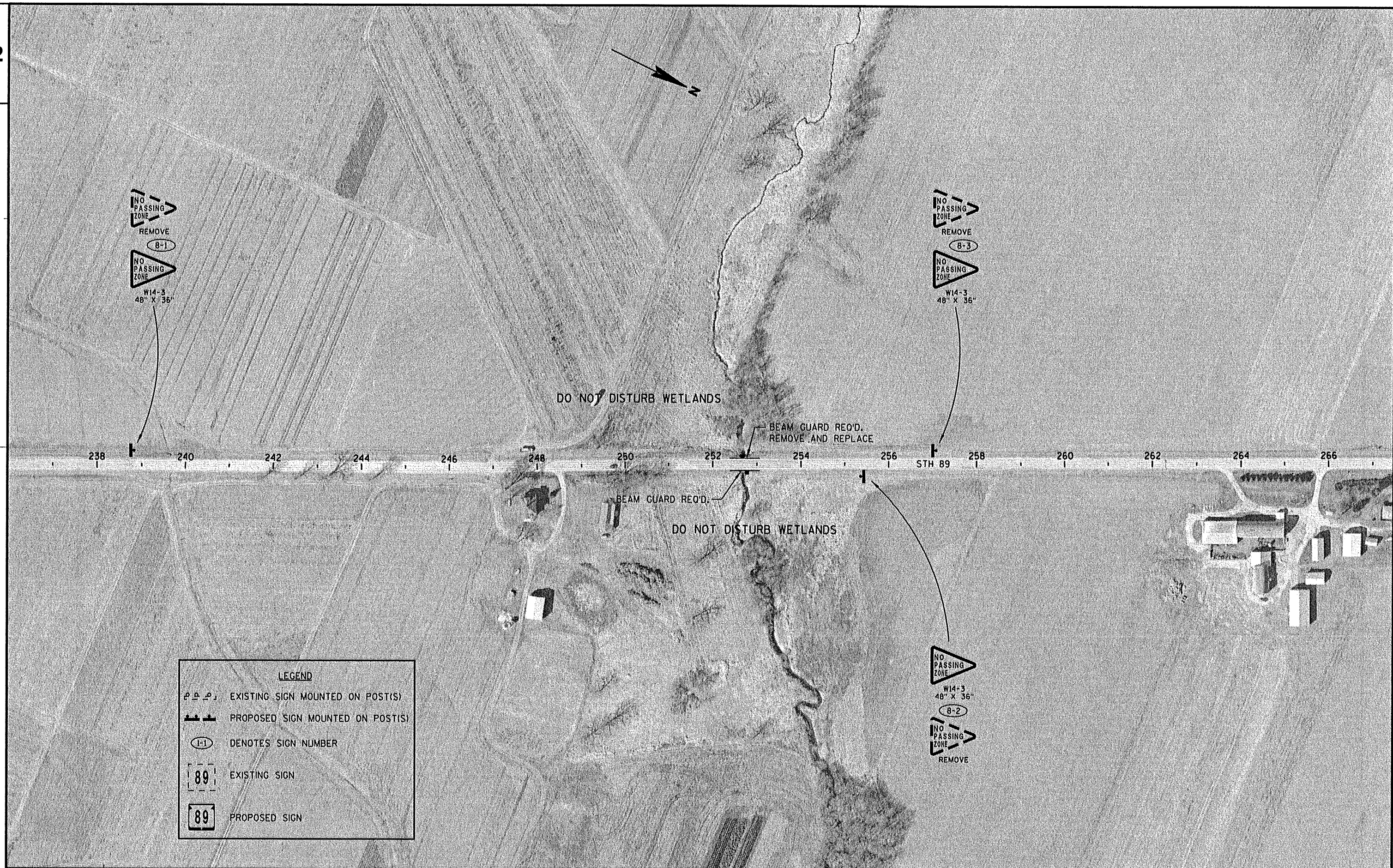
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 DENOTES SIGN NUMBER

 EXISTING SIGN

 PROPOSED SIGN

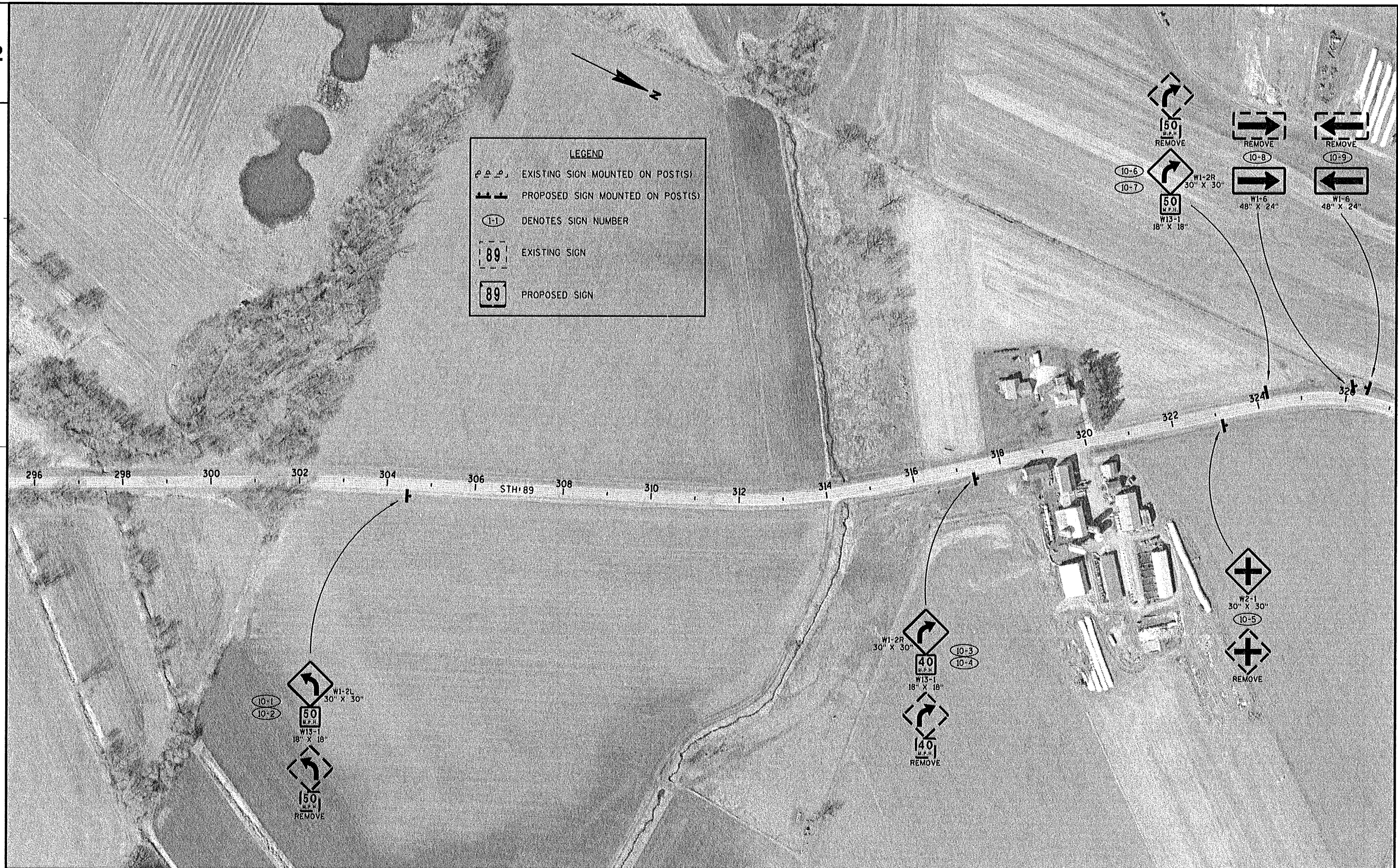
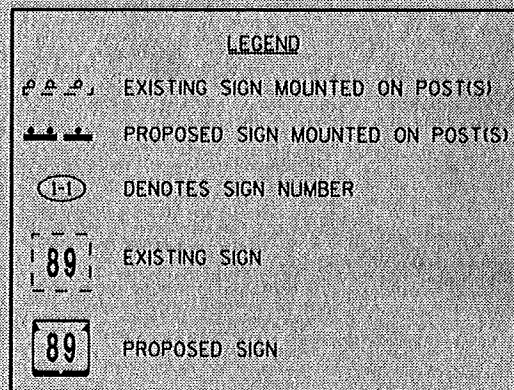






LEGEND

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- PROPOSED SIGN MOUNTED ON POST(S)
- DENOTES SIGN NUMBER
- EXISTING SIGN
- PROPOSED SIGN



PROJECT NO: 3670-00-64

HWY: STH 89

COUNTY: DANE & DODGE

PLAN DETAILS & PERMANENT SIGNING

SHEET

15

E

FILE NAME : r:\Support\CADDs\Projects\01_36700034\021210_pd.dgn

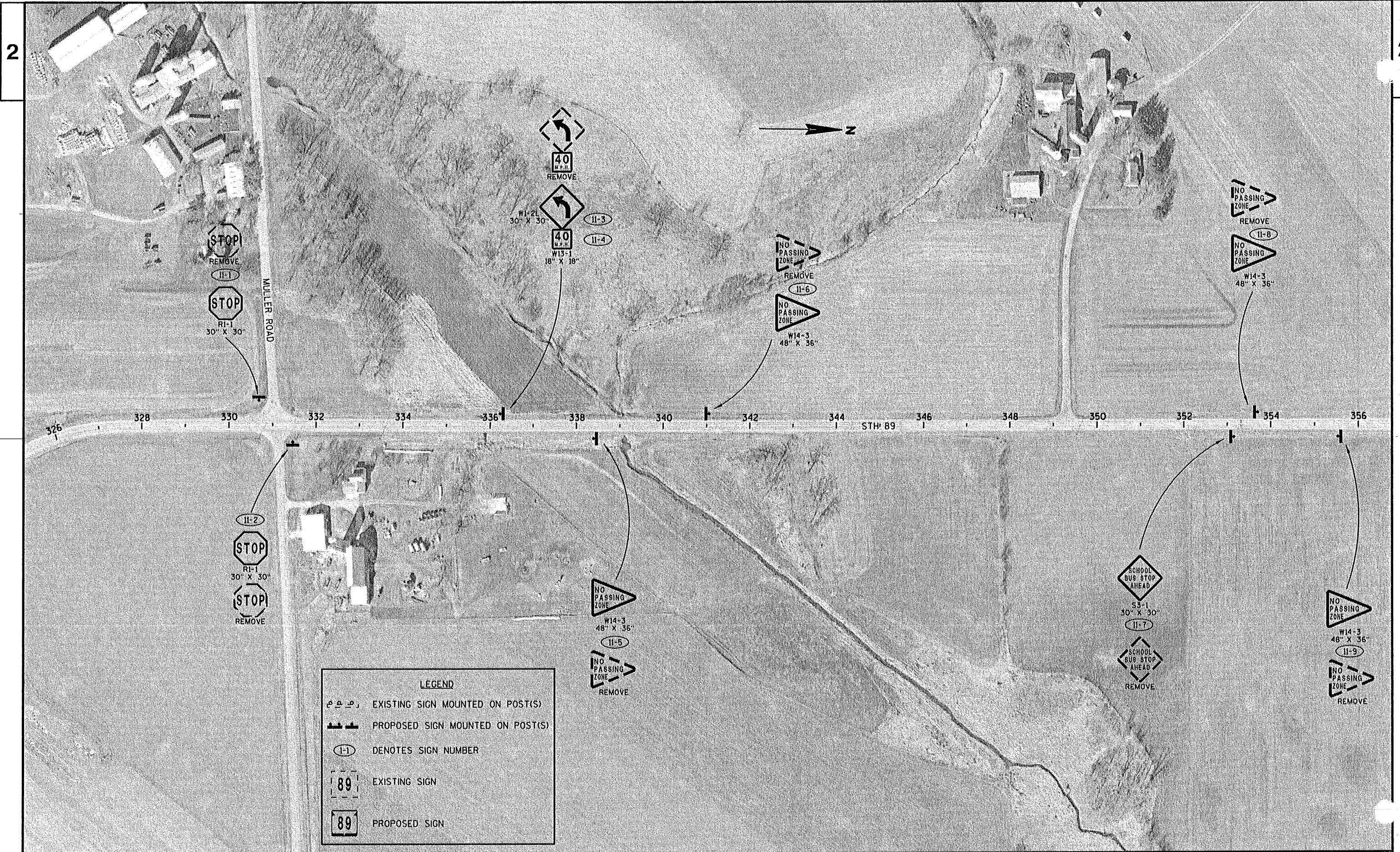
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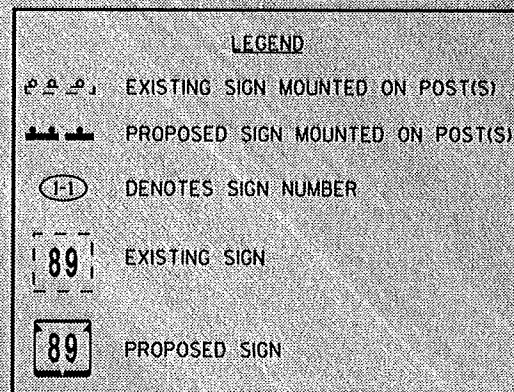
PLOT BY : dotbbg

PLOT NAME :

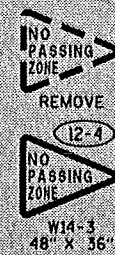
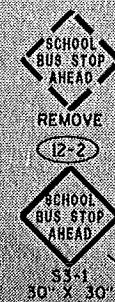
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WISDOT/CADDs SHEET 42



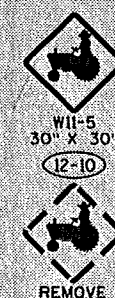
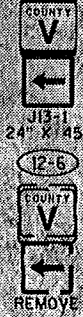
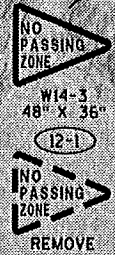


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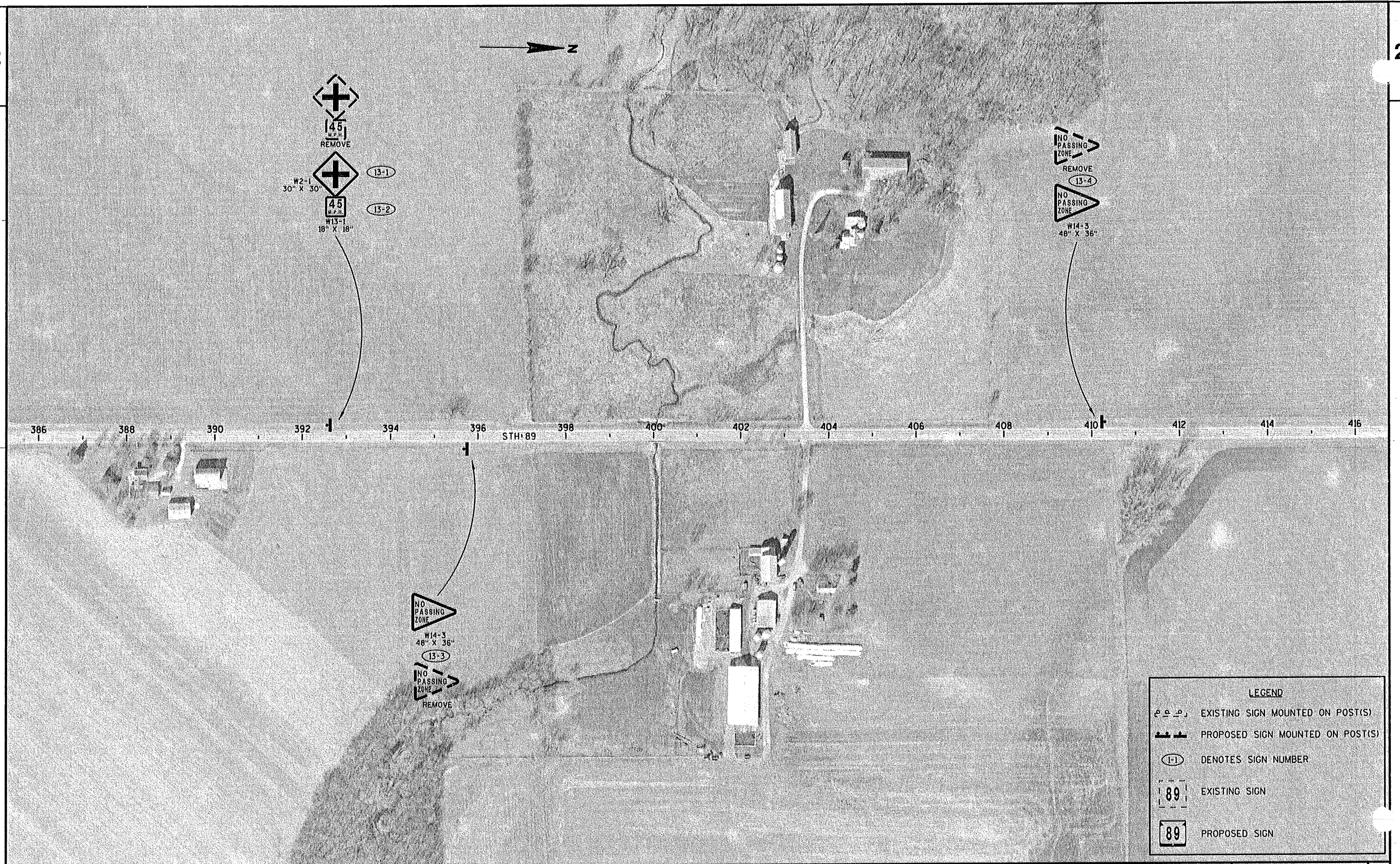


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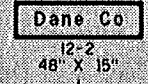
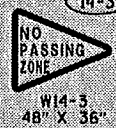
STH 89



KASPER ROAD



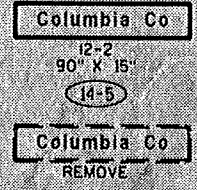
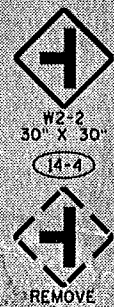
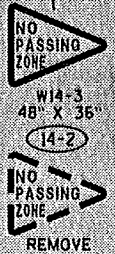
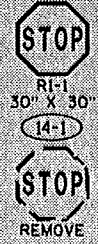
LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
	DENOTES SIGN NUMBER
	EXISTING SIGN
	PROPOSED SIGN



416 418 420 422 424 426 STH 89 428 430 432 434 436 438 440

END PROJECT
STA. 423+60

HOENE ROAD



COLUMBIA COUNTY
DANE COUNTY

SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL
ADVANCE WARNING SIGNS 45 MPH OR GREATER
TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC".

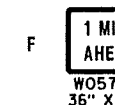
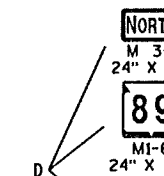
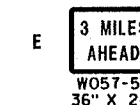
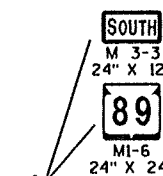
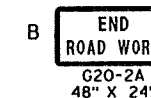
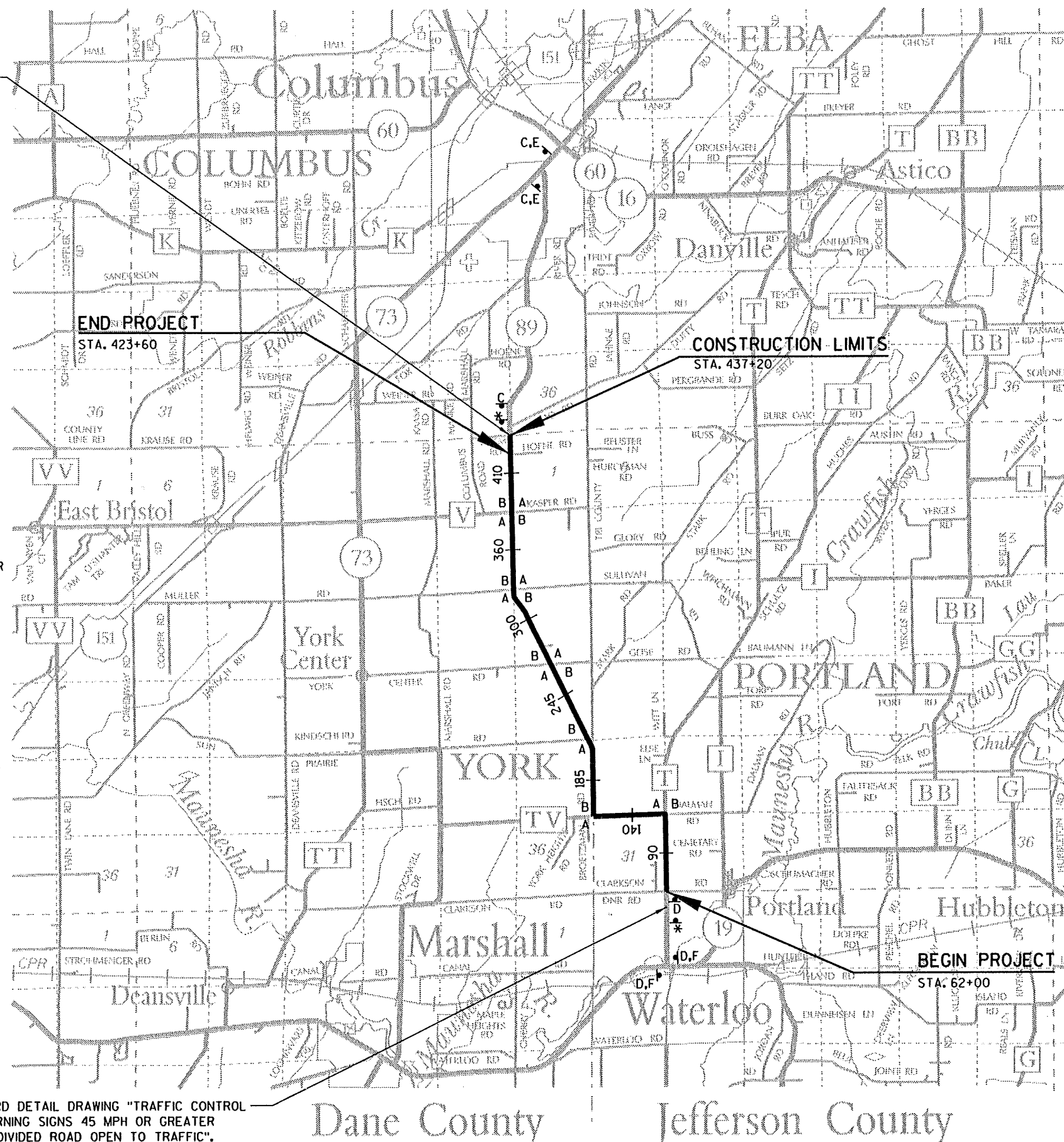
* **HWY 89
UNDER CONSTR
MAY XX-JUNE XX**

G20-57
96" X 48"

* PLACE FIXED MESSAGE SIGN AT THE LIMITS OF THE
PROJECT FOR 10 WORKING DAYS PRIOR TO THE
START OF STH 89 ROAD CONSTRUCTION.

TRAFFIC CONTROL:
FOR MOVING OPERATION STA. 62+00 TO STA. 423+60
SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL FOR
LANE CLOSURE (SUITABLE FOR MOVING OPERATION)".

SEE STANDARD DETAIL DRAWING "TRAFFIC CONTROL
ADVANCE WARNING SIGNS 45 MPH OR GREATER
TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC".



Dodge County

Jefferson County

3

DATE 28APR10		ESTIMATE OF QUANTITIES			
LINE					3670-00-64
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	204.0120	REMOVING ASPHALTIC SURFACE MILLING	SY	92,530.000	92,530.000
0020	204.0165	REMOVING GUARDRAIL	LF	50.000	50.000
0030	205.9006.S	GRADING SHAPING & FINISHING FOR BARRIER TERMINALS	EACH	4.000	4.000
0040	213.0100	FINISHING ROADWAY (PROJECT) 01. 3670-00-64	EACH	1.000	1.000
0050	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	2,262.000	2,262.000
0060	305.0500	SHAPING SHOULDERS	STA	724.000	724.000
0070	440.4410.S	INCENTIVE IRI RIDE	DOL	13,700.000	13,700.000
0080	455.0105	ASPHALTIC MATERIAL PG58-28	TON	559.900	559.900
0090	455.0605	TACK COAT	GAL	2,315.000	2,315.000
0100	460.1101	HMA PAVEMENT TYPE E-1	TON	10,169.000	10,169.000
0110	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	6,510.000	6,510.000
0120	614.0305	STEEL PLATE BEAM GUARD CLASS A	LF	50.000	50.000
0130	614.0370	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL	EACH	4.000	4.000
0140	618.0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 01. 3670-00-64	EACH	1.000	1.000
0150	619.1000	MOBILIZATION	EACH	1.000	1.000
0160	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	51.000	51.000
0170	634.0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	39.000	39.000
0180	634.0620	POSTS WOOD 4X6-INCH X 20-FT	EACH	8.000	8.000
0190	637.0202	SIGNS REFLECTIVE TYPE II	SF	717.520	717.520
0200	638.2602	REMOVING SIGNS TYPE II	EACH	136.000	136.000
0210	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	96.000	96.000
0220	642.5001	FIELD OFFICE TYPE B	EACH	1.000	1.000
0230	643.0100	TRAFFIC CONTROL (PROJECT) 01. 3670-00-64	EACH	1.000	1.000
0240	643.0300	TRAFFIC CONTROL DRUMS	DAYS	100.000	100.000
0250	643.0900	TRAFFIC CONTROL SIGNS	DAYS	1,200.000	1,200.000
0260	643.1000	TRAFFIC CONTROL SIGNS FIXED MESSAGE	SF	64.000	64.000
0270	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	71,250.000	71,250.000
0280	646.0406	PAVEMENT MARKING SAME DAY EPOXY 4-INCH	LF	44,950.000	44,950.000
0290	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	55.000	55.000
0300	648.0100	LOCATING NO-PASSING ZONES	MI	6.850	6.850

3

3

REMOVING ASPHALTIC SURFACE MILLING

			(204.0120) REMOVING ASPHATIC SURFACE MILLING
GROUP CODE	STATION	TO STATION	SY
0010	62+00	423+60	88,500
	MAINLINE TOTAL		88,500
	INTERSECTIONS		
	CTH T		210
	DALMAN ROAD		340
	CTH TV		210
	TRI COUNTY ROAD		210
	SUN PRAIRIE ROAD WEST		340
	SUN PRAIRIE ROAD EAST		340
	YORK CENTER ROAD WEST		340
	YORK CENTER ROAD EAST		340
	MULLER ROAD WEST		340
	MULLER ROAD EAST		340
	CTH V		340
	KASPER ROAD		340
	HOENE ROAD		340
	INTERSECTION TOTAL		4,030
	TOTAL		92,530

BASE AGGREGATE DENSE 3/4 "

				(305.0110) BASE AGGREGATE DENSE
GROUP CODE	STATION	TO STATION	LOCATION	TONS
0010	62+00	423+60	MAINLINE	2180
	TOTAL MAINLINE			2180
	INTERSECTION			
	CTH T			5
	DALMAN ROAD			3
	CTH V			5
	TRI COUNTY ROAD			6
	SUN PRAIRIE ROAD WEST			7
	SUN PRAIRIE ROAD EAST			7
	YORK CENTER ROAD WEST			7
	YORK CENTER ROAD EAST			7
	MULLER ROAD WEST			7
	MULLER ROAD EAST			7
	CTH V			7
	KASPER ROAD			7
	HOENE ROAD			7
	INTERSECTION TOTAL			82
	TOTAL			2,262

SHAPING SHOULDERS

			(305.0500) SHAPING SHOULDERS
GROUP CODE	LOCATION		STA
0010	MAINLINE LT. & RT.		724
	TOTAL:		724

BEAM GUARD REPLACEMENT

				(204.0165) REMOVING GUARDRAIL	(205.9006.S) GRADING, SHAPING, & FINISHING FOR BARRIER TERMINALS	(614.03050) STEEL PLATE BEAM GUARD CLASS A	(614.0370) STEEL PLATE BEAM GUARD, ENERGY ABSORBING TERMINAL
GROUP CODE	STATION	TO STATION	LOCATION	L.F.	EACH	LF	EACH
0010	252+00	253+25	LT	25	2	25	2
	252+00	253+25	RT	25	2	25	2
	TOTAL			50	4	50	4

GRADING, SHAPING, AND FINISHING FOR BARRIER TERMINALS

LOCATION	* BORROW	* SALVAGED TOPSOIL	* FERTILIZER TYPE B	* SEEDING MIX NO. 20	* MULCHING
	CY	SY	CWT	LB	SY
STA 252+00 LT	10	300	0.2	5	300
STA 252+00 RT	10	300	0.2	5	300
STA 253+25 LT	10	300	0.2	5	300
STA 253+25 RT	10	300	0.2	5	300
TOTAL:	40	1200	0.8	20	1200

* ITEMS AND QUANTITIES LISTED FOR BID INFORMATION ONLY

HMA PAVEMENT

		(455.0105) ASPHALTIC MATERIAL PG 58 - 28	(455.0605) TACK COAT	(460.1101) HMA PAVEMENT TYPE E - 1
GROUP CODE	LOCATION	TONS	GALLONS	TONS
0010	STATION 62+00 - STATION 423+60 MAINLINE	535	2,210	9,720
	MAINLINE TOTAL	535	2,210	9,720
	CTH T	1.3	5	23
	DALMAN ROAD	2.1	9	38
	CTH TV	1.3	5	23
	TRI COUNTY ROAD	1.3	5	23
	SUN PRAIRIE ROAD WEST	2.1	9	38
	SUN PRAIRIE ROAD EAST	2.1	9	38
	YORK CENTER ROAD WEST	2.1	9	38
	YORK CENTER ROAD EAST	2.1	9	38
	MULLER ROAD WEST	2.1	9	38
	MULLER ROAD EAST	2.1	9	38
	CTH V	2.1	9	38
	KASPER ROAD	2.1	9	38
	HOENE ROAD	2.1	9	38
	TOTAL	559.90	2,315	10,169

PAVEMENT MARKINGS

GROUP CODE	LOCATION	(646.0106) PAVEMENT MARKING, EPOXY 4-INCH	(646.0106) PAVEMENT MARKING, SAME DAY EPOXY 4-INCH	(647.0566) PAVEMENT MARKING STOP LINE EPOXY 18-INCH	REMARKS
		L.F.	L.F.	L.F.	
0010	MAINLINE - EDGE LINE	71,250	-	-	WHITE
	MAINLINE - SINGLE SOLID CENTERLINE	-	18,875	-	YELLOW
	MAINLINE - DOUBLE SOLID CENTERLINE	-	19,600	-	-
	MAINLINE STRIPES	-	6,475	-	-
	CTH T	-	-	11	-
	DALMAN ROAD	-	-	11	-
	CTH TV	-	-	11	-
	TRI COUNTY ROAD	-	-	11	-
	CTH V	-	-	11	-
	TOTAL	71,250	44,950	55	-

LOCATING NO-PASSING ZONES

GROUP CODE	LOCATION	(648.0100) LOCATING NO-PASSING ZONES MILE
0010	MAINLINE	6.85
TOTAL:		6.85

TRAFFIC CONTROL

GROUP CODE	LOCATION	SIGN CODE	SIZE	(643.0300) TRAFFIC CONTROL DRUMS	(643.0900) TRAFFIC CONTROL SIGNS	(643.1000) TRAFFIC CONTROL SIGNS FIXED MESSAGED	MESSAGE
				DAYS	DAYS	SF	
0010	BEGINNING OF PROJECT	G20-2	48" X 24"	-	1	-	END ROAD WORK
	BEGINNING OF PROJECT	W20-3	48" X 48"	-	1	-	ROAD WORK AHEAD
	BEGINNING OF PROJECT	W20-3	48" X 48"	-	1	-	ROAD WORK 1000' AHEAD
	BEGINNING OF PROJECT	W20-3	48" X 48"	-	1	-	ROAD WORK 500' AHEAD
	BEGINNING OF PROJECT	G20-57	48" X 96"	-	-	32	STH 89 UNDER CONSTRUCTION APR XX - NOV XX
	END OF PROJECT	G20-2	48" X 24"	-	1	-	END ROAD WORK
	END OF PROJECT	W20-3	48" X 48"	-	1	-	ROAD WORK AHEAD
	END OF PROJECT	W20-3	48" X 48"	-	1	-	ROAD WORK 1000' AHEAD
	END OF PROJECT	W20-3	48" X 48"	-	1	-	ROAD WORK 500' AHEAD
	END OF PROJECT	G20-57	48" X 96"	-	-	32	STH 89 UNDER CONSTRUCTION APR XX - NOV XX
	PROJECT MOVING OPERATION	W20-1	48" X 48"	-	2	-	ROAD WORK AHEAD
	PROJECT MOVING OPERATION	W20-4	48" X 48"	-	2	-	ONE LANE ROAD AHEAD
	PROJECT MOVING OPERATION	W20-7A	48" X 48"	-	2	-	FLAGGER SYMBOL
	SIDE ROADS	W20-3	48" X 48"	-	9	-	ROAD WORK AHEAD
	SIDE ROADS	G20-2	48" X 24"	-	9	-	END ROAD WORK
	STH 73	W12-52	48" X 48"	-	1	-	MAX WIDTH 12'
	STH 73	M3-3	12" X 24"	-	1	-	SOUTH
	STH 73	M1-6	24" X 24"	-	1	-	STH 89
	STH 73	W057-52	36" X 48"	-	1	-	3 MILES AHEAD
	STH 19	W057-52	36" X 48"	-	1	-	1 MILE AHEAD
	STH 19	W12-52	48" X 48"	-	1	-	MAX WIDTH 12'
	STH 19	M3-3	12" X 24"	-	1	-	NORTH
	STH 19	M1-6	24" X 24"	-	1	-	STH 89
	UNDISTRIBUTED	-	-	100	-	-	
TOTAL				-	40	64	
PROJECT DURATION 30 DAYS				100	1200	64	

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REMOVING SIGNS 1 OF 2

GROUP CODE	SIGN NUMBER	STATION	LOCATION	(638.2602) REMOVING SIGNS TYPE II	(638.3000) REMOVING SMALL SIGN SUPPORTS	SIGN DESCRIPTION
				EACH	EACH	
0010	1-1	62+45	LT	1	1	SPEED LIMIT 30
	1-2	62+45	RT	1	1	SPEED LIMIT 55
	1-3	72+20	LT	1	1	SPEED LIMIT 30 WITH ARROW
	1-4	75+80	LT	1	1	NO PASSING ZONE
	1-5	77+80	RT	1	1	NO PASSING ZONE
	2-1	91+70	RT	1	1	NO PASSING ZONE
	2-2	98+80	RT	2	1	JCT COUNTY T
	2-3	100+20	LT	1	1	NO PASSING ZONE
	2-4	105+30	LT	1	1	ADVANCE ARROW CURVE 90° TO LEFT
	2-5	105+30	LT	1	0	15 MPH
	2-6	105+30	RT	1	1	ADVANCE ARROW CURVE 90° TO LEFT
	2-7	105+30	RT	1	0	15 MPH
	2-8	106+80	RT	1	1	SYMBOL SHOWING TRUCK TIPPING
	2-9	110+80	LT	2	1	SOUTH 89
	2-10	113+40	RT	2	1	NORTH 89
	2-11	113+40	RT	1	-	ARROW TO LEFT
	2-12	113+40	RT	2	1	COUNTY T ARROW STRAIGHT AHEAD
	2-13	114+00	RT	2	1	COUNTY T ARROW TO LEFT
	2-14	113+70	RT	2	1	SOUTH 89
	2-15	113+70	RT	1	-	ARROW TO RIGHT
	2-16	INTERSECTION OF DALMAN ROAD & STH 89	-	1	1	STOP
	2-17	114+15	RT	1	1	ARROW TO LEFT
	2-18	INTERSECTION OF CTH T & STH 89	-	1	1	STOP
	2-19	114+60	LT	1	1	STOP
	2-20	114+60	LT	1	-	RIGHT TURN NO STOP
	2-21	122+80	LT	1	1	ADVANCE ARROW CURVE TO RIGHT
	2-22	122+80	LT	1	-	15 MPH
	2-23	115+30	RT	1	1	NORTH 89
	3-1	124+60	LT	1	1	SCHOOL BUS STOP AHEAD
	3-2	127+00	LT	1	1	SYMBOL FOR STOP AHEAD
	3-3	129+30	RT	1	1	NO PASSING ZONE
	3-4	131+40	LT	2	1	JCT COUNTY T
	3-5	145+10	LT	1	1	NO PASSING ZONE
	4-1	151+10	RT	1	1	SCHOOL BUS STOP AHEAD
	4-2	152+70	LT	1	1	ADVANCE ARROW 90° CURVE TO RIGHT
	4-3	152+70	LT	1	-	20 MPH
	4-4	152+70	RT	1	1	ADVANCE ARROW 90° CURVE TO RIGHT
	4-5	152+70	RT	1	-	20 MPH
	4-6	155+00	RT	2	1	JCT COUNTY TV
	5-1	161+10	RT	1	1	TRAFFIC FROM RIGHT DOES NOT STOP
	5-2	162+80	LT	2	1	SOUTH 89
	5-3	162+80	LT	1	-	ARROW TO LEFT
	5-4	163+00	LT	2	1	COUNTY TV ARROW TO RIGHT
	5-5	INTERSECTION CTH TV & STH 89	-	2	1	89 ARROWS LEFT & STRAIGHT AHEAD
	5-6	INTERSECTION CTH TV & STH 89	-	1	1	STOP
	5-7	162+50 LT	LT	2	1	COUNTY TV ARROW STRAIGHT AHEAD
	5-8	162+80	LT	2	1	NORTH 89
	5-9	162+80	LT	1	-	ARROW TO RIGHT
	5-10	164+50	RT	2	1	NORTH 89
	5-11	170+80	LT	1	1	ADVANCE ARROW 90° CURVE TO LEFT
	5-12	170+80	LT	1	-	20 MPH
	5-13	170+80	RT	1	1	ADVANCE ARROW 90° CURVE TO LEFT
	5-14	170+80	RT	1	-	20 MPH
	5-15	173+00	LT	2	1	JCT COUNTY TV
	6-1	185+20	RT	1	1	NO PASSING ZONE
	6-2	197+70	RT	1	1	ADVANCE ARROW CURVE TO LEFT
	6-3	197+70	RT	1	-	45 MPH
	6-4	200+40	LT	1	1	NO PASSING ZONE
	7-1	209+60	LT	1	1	SYMBOL REPRESENTING FARM TRACTOR CROSSING
	7-2	INTERSECTION TRI COUNTY ROAD & STH 89	-	1	1	STOP
	7-3	212+50	LT	1	1	SCHOOL BUS STOP AHEAD
	7-4	215+00	LT	1	1	NO PASSING ZONE
	7-5	INTERSECTION OF SUN PRAIRIE ROAD WEST & STH 89	-	1	1	STOP
	7-6	INTERSECTION OF SUN PRAIRIE ROAD EAST & STH 89	-	1	1	STOP
	7-7	216+80	RT	1	1	NO PASSING ZONE
	7-8	231+50	LT	1	1	ADVANCE ARROW CURVE TO RIGHT

PAGE 1 TOTAL

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REMOVING SIGNS 2 OF 2

GROUP CODE	SIGN NUMBER	STATION	LOCATION	(638.2802) REMOVING SIGNS TYPE II EACH	(638.3000) REMOVING SMALL SIGN SUPPORTS EACH	SIGN DESCRIPTION
0010	7-9	231+50	LT	1	-	45 MPH
	7-10	233+70	RT	1	1	NO PASSING ZONE
	8-1	238+80	LT	1	1	NO PASSING ZONE
	8-2	255+40	RT	1	1	NO PASSING ZONE
	8-3	257+00	LT	1	1	NO PASSING ZONE
	9-1	271+10	RT	1	1	NO PASSING ZONE
	9-2	272+50	LT	1	1	NO PASSING ZONE
	9-3	INTERSECTION OF YORK CENTER ROAD WEST & STH 89	-	1	1	STOP
	9-4	INTERSECTION OF YORK CENTER ROAD EAST & STH 89	-	1	1	STOP
	10-1	304+40	RT	1	1	ADVANCE ARROW CURVE TO LEFT
	10-2	304+40	RT	1	-	50 MPH
	10-3	317+40	RT	1	1	ADVANCE ARROW CURVE TO RIGHT
	10-4	317+40	RT	1	-	40 MPH
	10-5	323+20	RT	1	1	CROSS ROADS SYMBOL
	10-6	324+30	LT	1	1	ADVANCE ARROW CURVE TO RIGHT
	10-7	324+30	LT	1	-	50 MPH
	10-8	326+15	LT	1	1	ARROW TO RIGHT
	10-9	326+45	LT	1	1	ARROW TO LEFT
	11-1	INTERSECTION OF MULLER ROAD WEST & STH 89	-	1	1	STOP
	11-2	INTERSECTION OF MULLER ROAD EAST & STH 89	-	1	1	STOP
	11-3	336+30	LT	1	1	ADVANCE ARROW CURVE TO LEFT
	11-4	336+30	LT	1	-	40 MPH
	11-5	338+45	RT	1	1	NO PASSING ZONE
	11-6	341+00	LT	1	1	NO PASSING ZONE
	11-7	353+05	RT	1	1	SCHOOL BUS STOP AHEAD
	11-8	353+60	LT	1	1	NO PASSING ZONE
	11-9	355+60	RT	1	1	NO PASSING ZONE
	12-1	373+45	RT	1	1	NO PASSING ZONE
	12-2	374+30	LT	1	1	SCHOOL BUS STOP AHEAD
	12-3	375+30	RT	2	1	JCT COUNTY V
	12-4	376+75	LT	1	1	NO PASSING ZONE
	12-5	382+60	LT	2	1	SOUTH 89
	12-6	383+50	RT	2	1	COUNTY V ARROW TO LEFT
	12-7	383+30	LT	2	1	89 ARROWS LEFT & RIGHT
	12-8	INTERSECTION CTH V & STH 89	-	1	1	STOP
	12-9	INTERSECTION OF KASPER ROAD & STH 89	-	1	1	STOP
	12-10	384+50	RT	1	1	SYMBOL FOR FARM TRACTOR CROSSING
	12-11	385+25	LT	2	1	COUNTY V ARROW TO RIGHT
	12-12	385+95	RT	2	1	NORTH 89
	13-1	392+60	LT	1	1	CROSS ROADS SYMBOL
	13-2	392+60	LT	1	-	45 MPH
	13-3	395+70	RT	1	1	NO PASSING ZONE
	13-4	410+25	LT	1	1	NO PASSING ZONE
	14-1	INTERSECTION OF HOENE ROAD & STH 89	-	1	1	STOP
	14-2	424+25	RT	1	1	NO PASSING ZONE
	14-3	434+45	LT	1	1	NO PASSING ZONE
	14-4	435+00	RT	1	1	SIDE ROAD RIGHT ANGLE
	14-5	437+40	RT	1	2	COLUMBIA CO
	14-6	437+40	RT	1	-	DANE CO
TOTAL PAGE 2				55	43	
TOTAL PAGE 1				81	53	
TOTAL				136	96	

PERMANENT SIGNING 1 OF 2

GROUP CODE	SIGN NUMBER	STATION	LOCATION	SIGN CODE	SIZE IN X IN	(637.0202)	(634.0616)	(634.0618)	(634.0620)	SIGN DESCRIPTION
						SIGNS TYPE II REFLECTIVE SF	WOOD POST 4in X 6in 16FT EACH	WOOD POST 4in X 6in 18FT EACH	WOOD POST 4in X 6in 20FT EACH	
0010	1-1	62+45	LT	R2-1	24" X 30"	5.00	1	-	-	SPEED LIMIT 30
	1-2	62+45	RT	R2-1	24" X 30"	5.00	1	-	-	SPEED LIMIT 55
	1-3	72+20	LT	W3-5	36" X 36"	9.00	-	1	-	SPEED LIMIT 30 WITH ARROW
	1-4	75+80	LT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	1-5	77+80	RT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	2-1	91+70	RT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	2-2	98+80	RT	J1-1	24" X 39"	6.50	1	-	-	JCT COUNTY T
	2-3	100+20	LT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	2-4	105+30	LT	W1-1L	36" X 36"	9.00	-	-	1	ADVANCE ARROW CURVE TO LEFT
	2-5	105+30	LT	W13-1	24" X 24"	4.00	-	-	-	15 MPH
	2-6	105+30	RT	W1-1L	36" X 36"	9.00	-	-	1	ADVANCE ARROW 90° CURVE TO LEFT
	2-7	105+30	RT	W13-1	24" X 24"	4.00	-	-	-	15 MPH
	2-8	106+80	RT	W1-13R	48" X 48"	16.00	-	-	1	SYMBOL SHOWING TRUCK TIPPING
	2-9	110+80	LT	J4-1	24" X 36"	6.00	1	-	-	SOUTH 89
	2-10	113+40	RT	J4-1	24" X 36"	6.00	-	1	-	NORTH 89
	2-11	113+40	RT	W1-6	48" X 24"	8.00	-	-	-	ARROW TO LEFT
	2-12	113+40	RT	J13-1	24" X 45"	7.50	1	-	-	COUNTY T ARROW STRAIGHT AHEAD
	2-13	114+00	RT	J13-1	24" X 45"	7.50	1	-	-	COUNTY T ARROW TO LEFT
	2-14	113+70	RT	J4-1	24" X 36"	6.00	-	1	-	SOUTH 89
	2-15	113+70	RT	W1-6	48" X 24"	8.00	-	-	-	ARROW TO RIGHT
	2-16	DALMAN ROAD INTERSECTION	-	R1-1	30" X 30"	5.18	-	1	-	STOP
	2-17	114+15	RT	W1-6	48" X 24"	8.00	1	-	-	ARROW TO LEFT
	2-18	CTH T INTERSECTION	-	R1-1	36" X 36"	7.46	-	1	-	STOP
	2-19	114+60	LT	R1-1	36" X 36"	7.46	-	1	-	STOP
	2-20	114+60	LT	R1-S1	30" X 18"	3.75	-	-	-	RIGHT TURN NO STOP
	2-21	122+80	LT	W1-1L	36" X 36"	9.00	-	-	1	ADVANCE ARROW 90° CURVE TO RIGHT
	2-22	122+80	LT	W13-1	24" X 24"	4.00	-	-	-	15 MPH
	2-23	115+30	RT	J4-1	48" X 24"	6.00	-	1	-	NORTH 89
	3-1	124+60	LT	S3-1	30" X 30"	6.25	-	1	-	SCHOOL BUS STOP AHEAD
	3-2	127+00	LT	W3-1	36" X 36"	9.00	-	1	-	SYMBOL TO SHOW STOP AHEAD
	3-3	129+30	RT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	3-4	131+40	LT	J1-1	24" X 39"	6.50	1	-	-	JCT COUNTY T
	3-5	145+10	LT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	4-1	151+10	RT	S3-1	30" X 30"	6.25	-	1	-	SCHOOL BUS STOP AHEAD
	4-2	152+70	LT	W1-1L	36" X 36"	9.00	-	-	1	ADVANCE ARROW 90° CURVE TO RIGHT
	4-3	152+70	LT	W13-1	24" X 24"	4.00	-	-	-	20 MPH
	4-4	152+70	RT	W1-1L	36" X 36"	9.00	-	-	1	ADVANCE ARROW 90° CURVE TO RIGHT
	4-5	152+70	RT	W13-1	24" X 24"	4.00	-	-	-	20 MPH
	4-6	155+00	RT	J1-1	24" X 39"	6.50	-	1	-	JCT COUNTY TV
	4-7	159+60	LT	J4-1	24" X 36"	6.00	-	-	-	SOUTH 89
	5-1	161+10	RT	R1-52R	42" X 15"	4.38	1	-	-	TRAFFIC FROM RIGHT DOES NOT STOP
	5-2	162+40	LT	J4-1	24" X 36"	6.00	-	1	-	SOUTH 89
	5-3	162+40	LT	W1-6	48" X 24"	8.00	-	-	-	ARROW TO LEFT
	5-4	162+80	LT	J13-1	24" X 45"	7.50	-	1	-	COUNTY TV ARROW TO RIGHT
	5-5	INTERSECTION OF CTH TV & STH 89	-	J13-1	24" X 45"	7.50	-	1	-	89 ARROWS LEFT & STRAIGHT AHEAD
	5-6	INTERSECTION OF CTH TV & STH 89	-	R1-1	36" X 36"	7.46	-	1	-	STOP
	5-7	162+50	LT	J13-1	24" X 45"	7.50	-	1	-	COUNTY TV ARROW STRAIGHT AHEAD
	5-8	162+80	LT	J4-1	24" X 36"	6.00	-	1	-	NORTH 89
	5-9	162+80	LT	W1-6	48" X 24"	8.00	-	-	-	ARROW TO RIGHT
	5-10	165+50	RT	J4-1	24" X 36"	6.00	1	-	-	NORTH 89
	5-11	170+80	LT	W1-1L	36" X 36"	9.00	-	-	1	ADVANCE ARROW 90° CURVE TO LEFT
	5-12	170+80	LT	W13-1	24" X 24"	4.00	-	-	-	20 MPH
	5-13	170+80	RT	W1-1L	36" X 36"	9.00	-	-	1	ADVANCE ARROW 90° CURVE TO LEFT
	5-14	170+80	RT	W13-1	24" X 24"	4.00	-	-	-	20 MPH
	5-15	173+00	LT	J13-1	24" X 39"	6.50	-	1	-	JCT COUNTY TV
	6-1	185+20	RT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	6-2	197+60	RT	W1-2L	30" X 30"	6.25	-	1	-	ADVANCE ARROW CURVE TO LEFT
	6-3	197+60	RT	W13-1	18" X 18"	2.25	-	-	-	45 MPH
	6-4	200+40	LT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	7-1	209+60	LT	W11-5	30" X 30"	6.25	-	1	-	SYMBOL REPRESENTING FARM TRACTOR CROSSING
	7-2	INTERSECTION TRI COUNTY ROAD & STH 89	-	R1-1	30" X 30"	5.18	1	-	-	STOP
	7-3	212+50	LT	S3-1	30" X 30"	6.25	-	1	-	SCHOOL BUS STOP AHEAD
	7-4	215+00	LT	W14-1	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	7-5	INTERSECTION OF SUN PRAIRIE ROAD WEST & STH 89	-	R1-1	30" X 30"	5.18	1	-	-	STOP
	7-6	INTERSECTION OF SUN PRAIRIE ROAD EAST & STH 89	-	R1-1	30" X 30"	5.18	1	-	-	STOP
	7-7	216+80	RT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	7-8	218+10	LT	W1-2R	30" X 30"	6.25	-	1	-	ADVANCE ARROW CURVE TO RIGHT
PAGE 1 TOTAL						437.48	23	22	8	

PERMANENT SIGNING 2 OF 2

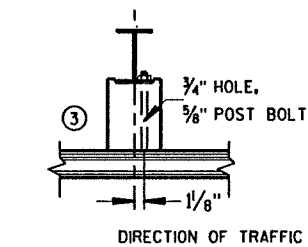
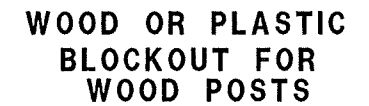
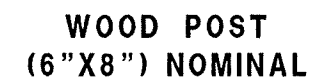
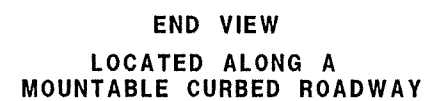
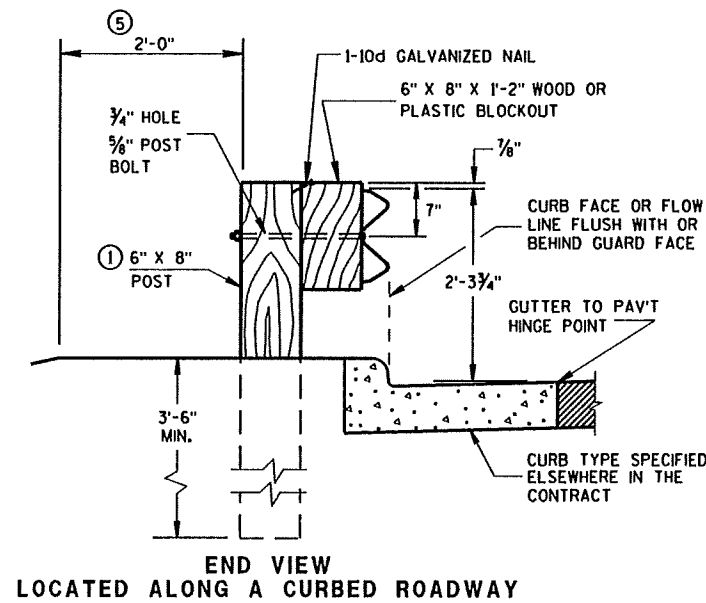
GROUP CODE	SIGN NUMBER	STATION	LOCATION	SIGN CODE	SIZE IN X IN	(637.0202) SIGN TYPE II	(634.0616) WOOD POST 4 in X 6 in	(634.0618) WOOD POST 4 in X 6 in	(634.0620) WOOD POST 4 in X 6 in	SIGN DESCRIPTION
						REFLECTIVE SF	16 FT EACH	18 FT EACH	20 FT EACH	
0010	7-9	218+10	LT	W13-1	18" X 18"	2.25	-	-	-	45 MPH
	7-10	233+70	RT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	8-1	238+80	LT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	8-2	255+40	RT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	8-3	257+00	LT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	9-1	271+10	RT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	9-2	272+50	LT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	9-3	INTERSECTION OF YORK CENTER ROAD WEST & STH 89		-	R1-1	30" X 30"	5.18	1	-	STOP
	9-4	INTERSECTION OF YORK CENTER ROAD EAST & STH 89		-	R1-1	30" X 30"	5.18	1	-	STOP
	10-1	304+40	RT	W1-2L	30" X 30"	6.25	-	1	-	ADVANCE ARROW CURVE TO LEFT
	10-2	304+40	RT	W13-1	18" X 18"	2.25	-	-	-	50 MPH
	10-3	317+30	RT	W1-2R	30" X 30"	6.25	-	1	-	ADVANCE ARROW CURVE TO RIGHT
	10-4	317+30	RT	W13-1	18" X 18"	2.25	-	-	-	40 MPH
	10-5	323+10	RT	W2-1	30" X 30"	6.25	-	1	-	CROSS ROADS SYMBOL
	10-6	324+30	LT	W1-2R	30" X 30"	6.25	-	1	-	ADVANCE ARROW CURVE TO RIGHT
	10-7	324+30	LT	W13-1	18" X 18"	2.25	-	-	-	50 MPH
	10-8	326+10	LT	W1-6	48" X 24"	8.00	1	-	-	ARROW TO RIGHT
	10-9	326+45	LT	W1-6	48" X 24"	8.00	1	-	-	ARROW TO LEFT
	11-1	INTERSECTION OF MULLER ROAD WEST & STH 89		-	R1-1	30" X 30"	5.18	1	-	STOP
	11-2	INTERSECTION OF MULLER ROAD EAST & STH 89		-	R1-1	30" X 30"	5.18	1	-	STOP
	11-3	336+40	LT	W1-2L	30" X 30"	6.25	-	1	-	ADVANCE ARROW CURVE TO LEFT
	11-4	336+40	RT	W13-1	18" X 18"	2.25	-	-	-	40 MPH
	11-5	338+50	RT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	11-6	341+00	LT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	11-7	353+05	RT	S3-1	30" X 30"	6.25	-	1	-	SCHOOL BUS STOP AHEAD
	11-8	353+60	LT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	11-9	355+60	RT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	12-1	373+50	RT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	12-2	374+30	LT	S3-1	30" X 30"	6.25	-	1	-	SCHOOL BUS STOP AHEAD
	12-3	375+30	RT	J1-1	24" X 39"	6.50	-	1	-	JCT COUNTY V
	12-4	376+80	LT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	12-5	382+60	LT	J4-1	24" X 36"	6.00	1	-	-	SOUTH 89
	12-6	383+50	RT	J13-1	24" X 45"	7.50	-	1	-	COUNTY V ARROW TO LEFT
	12-7	INTERSECTION CTH V & STH 89		-	J13-1	24" X 45"	7.50	1	-	89 ARROWS LEFT & RIGHT
	12-8	INTERSECTION CTH V & STH 89		-	R1-1	36" X 36"	7.46	1	-	STOP
	12-9	INTERSECTION KASPER ROAD & STH 89		-	R1-1	30" X 30"	5.18	1	-	STOP
	12-10	384+60	RT	W11-5	30" X 30"	6.25	-	1	-	SYMBOL FOR FARM TRACTOR CROSSING
	12-11	385+30	LT	J13-1	24" X 45"	7.50	-	1	-	COUNTY V ARROW TO RIGHT
	12-12	386+00	RT	J4-1	24" X 36"	6.00	1	-	-	NORTH 89
	13-1	392+60	LT	W2-1	30" X 30"	6.25	-	1	-	CROSS ROADS SYMBOL
	13-2	392+60	LT	W13-1	18" X 18"	2.25	-	-	-	45 MPH
	13-3	395+70	RT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	13-4	410+25	LT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	14-1	INTERSECTION OF HOENE ROAD & STH 89		-	R1-1	30" X 30"	5.18	1	-	STOP
	14-2	424+25	RT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	14-3	434+45	LT	W14-3	48" X 36"	6.00	1	-	-	NO PASSING ZONE
	14-4	435+00	RT	W2-2	30" X 30"	6.25	-	1	-	SIDE ROAD RIGHT ANGLE
	14-5	437+40	RT	I2-1	72" X 15"	7.50	1	1	-	COLUMBIA CO
	14-6	437+40	LT	I2-1	48" X 15"	5.00	2	-	-	DANE CO
PAGE 2 TOTAL						280.04	28	17	0	
PAGE 1 TOTAL						437.48	23	22	8	
TOTAL						717.52	51	39	8	

Standard Detail Drawing List

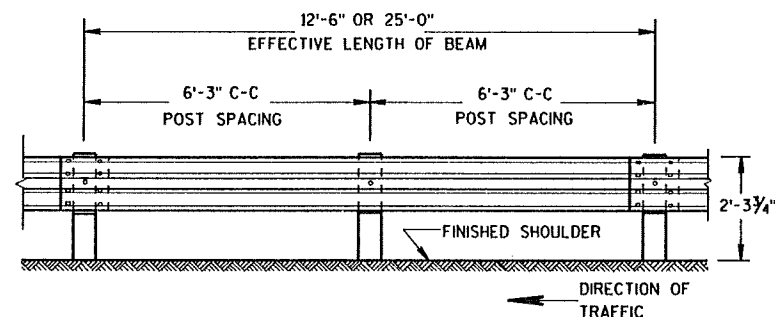
14B15-6A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-6B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-6C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B18-6A	STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)
14B24-6A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-6B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-6C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
15C4-1	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C8-12A	PAVEMENT MARKING (MAINLINE)
15C8-12B	PAVEMENT MARKING (INTERSECTIONS)
15C8-12E	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C12-3	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

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

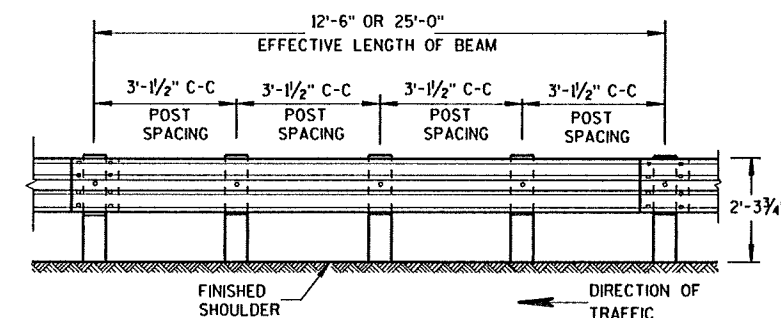
- INSTALL BEAM GUARD SECTIONS AND ALL NECESSARY HARDWARE ACCORDING TO THE APPLICABLE PLAN AND CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



FRONT VIEW
POST SPACING STANDARD INSTALLATION

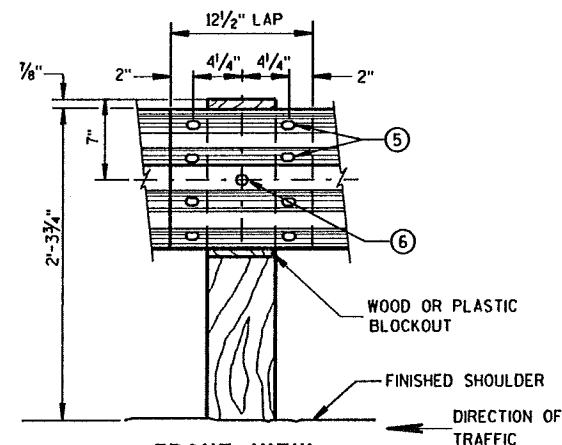
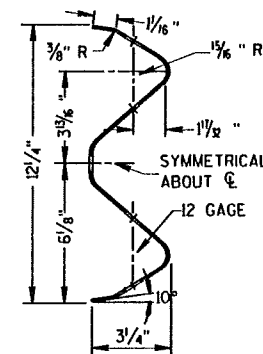


FRONT VIEW
POST SPACING FOR LONGER POST
AT HALF POST SPACING W BEAM (LHW)

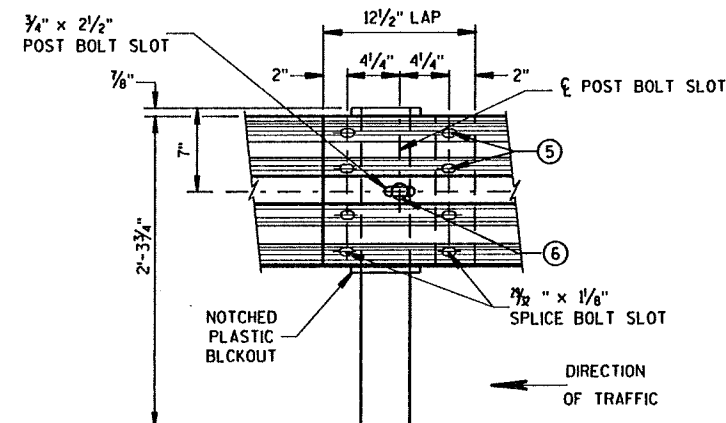
REFLECTOR SPACING^②

	BEAM GUARD LENGTH	REFLECTOR SPACING	NO. SURFACES REFLECTORIZED	MIN. NO. REFLECTORS
ONE WAY TRAFFIC	< 200'	50' C-C	1	3
	> 200'	100' C-C	1	
TWO WAY TRAFFIC	< 200'	25' C-C	1 ③	6
	> 200'	50' C-C	1	
TWO WAY TRAFFIC	< 200'	50' C-C	2 ④	3
	> 200'	100' C-C	2	

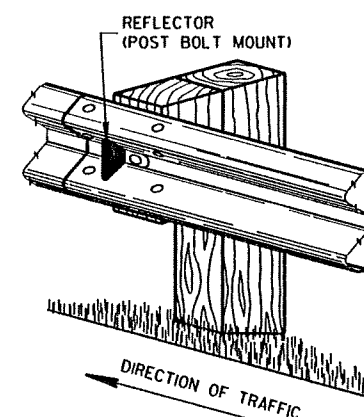
SECTION THRU W BEAM



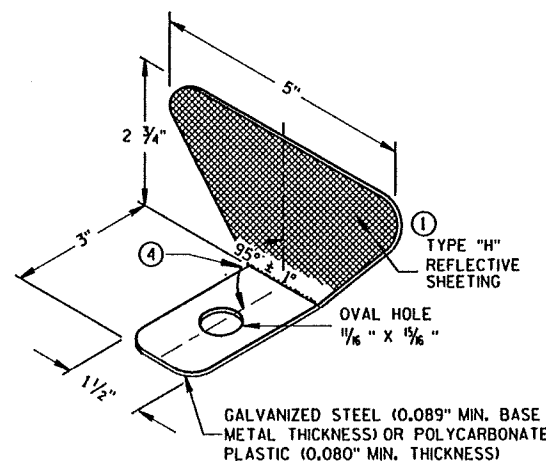
FRONT VIEW
BEAM SPLICE AT WOOD POST
AND POST MOUNTING DETAIL



FRONT VIEW
BEAM SPLICE AT STEEL POST
TYPICAL SPLICING DETAILS
OF STEEL PLATE BEAM GUARD



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION^①

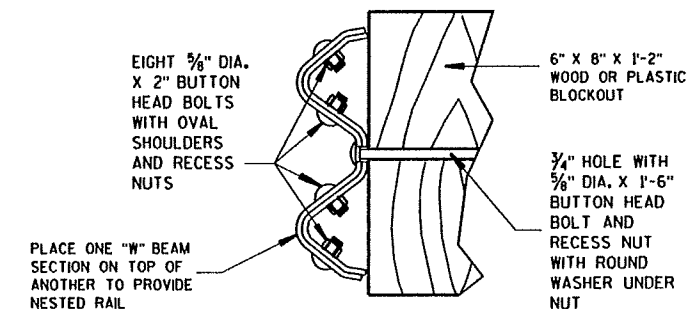


STEEL PLATE BEAM GUARD,
CLASS "A",
INSTALLATION & ELEMENTS

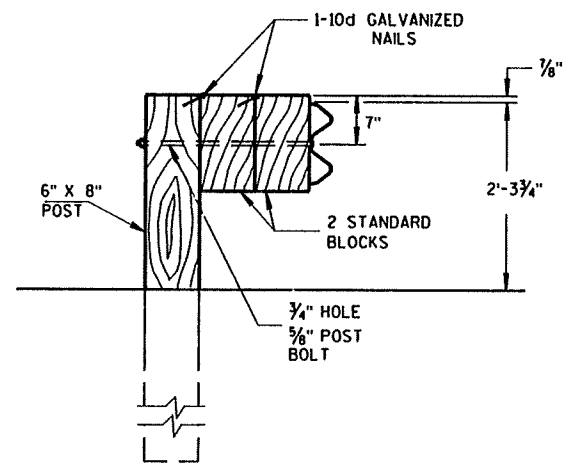
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

- ① PROVIDE TYPE "H" SILVER REFLECTIVE SHEETING ON ALL REFLECTORS EXCEPT THOSE LOCATED ALONG THE LEFT EDGE OF ONE-WAY ROADWAYS, WHICH SHALL BE PROVIDED WITH TYPE "H" YELLOW REFLECTIVE SHEETING.
- ② DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- ③ REVERSE EVERY OTHER REFLECTOR FOR 2-WAY VISIBILITY. THE CONTRACTOR MAY FURNISH TWO-SIDED REFLECTORS IN LIEU OF ONE-SIDED REFLECTORS.
- ④ PROVIDE AN ANGLE OF BEND OF $90^\circ \pm 1^\circ$ FOR TWO-SIDED REFLECTORS.
- ⑤ 8 - 5/8" ϕ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.
- ⑥ 5/8" ϕ X 1'-6" BUTTON HEAD BOLT AND AND RECESS NUT WITH ROUND WASHER UNDER NUT.

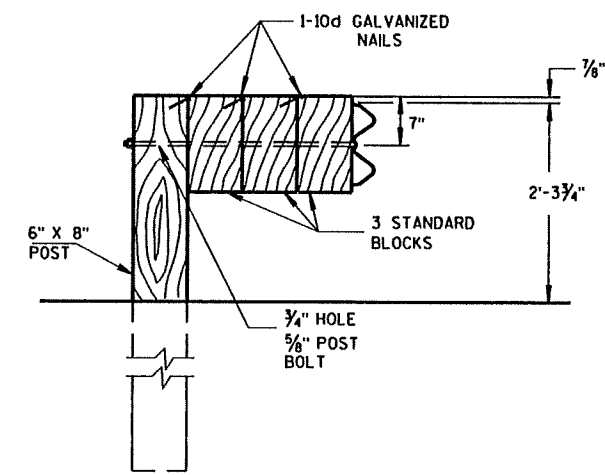


NESTED W BEAM (NW)
USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR
CONSTRUCTING NESTED W BEAM (NW)



DETAIL FOR DOUBLE BLOCKS

THE NUMBER OF DOUBLE BLOCK POSTS WITHIN A BARRIER RUN IS UNLIMITED

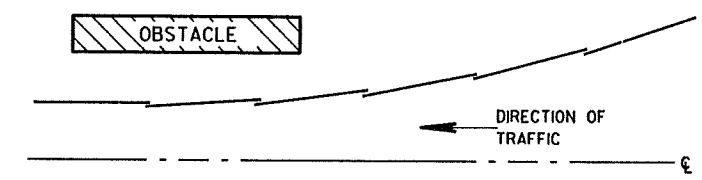


DETAIL FOR TRIPLE BLOCKS

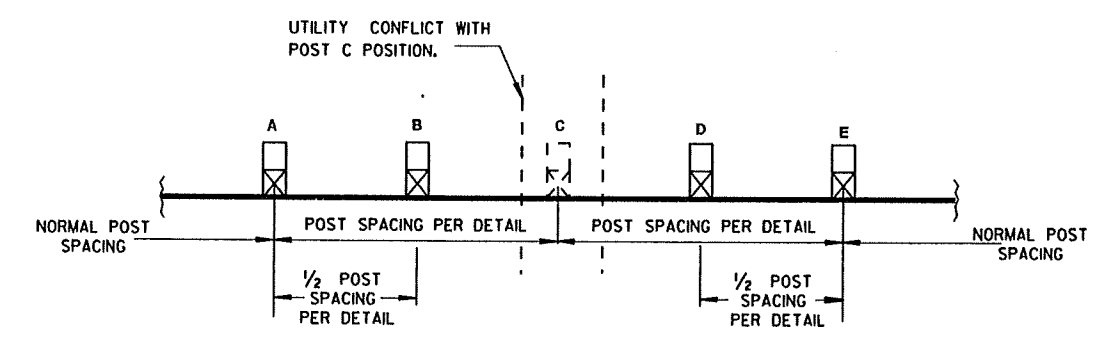
TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.



**PLAN VIEW
BEAM LAPPING DETAIL**



**POST DRIVING FOR CONTINUOUS
UNDERGROUND OBSTRUCTION**

**STEEL PLATE BEAM GUARD,
CLASS "A",
INSTALLATION & ELEMENTS**

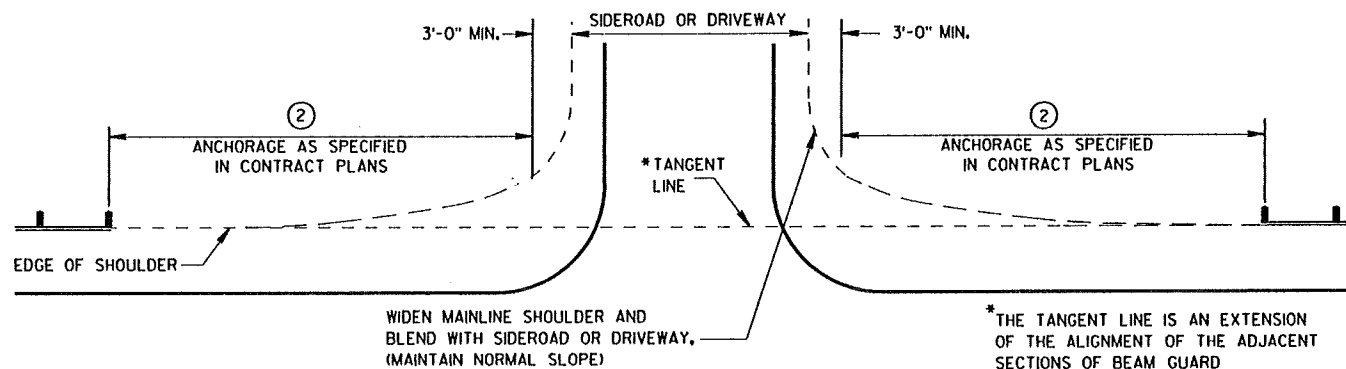
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

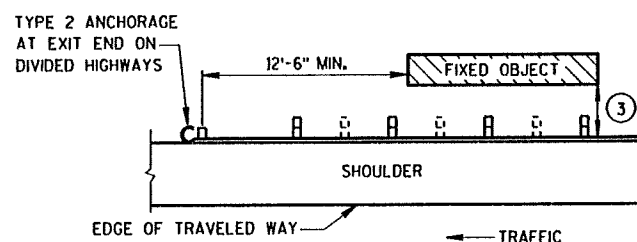
6

S.D.D. 14 B 15-6C

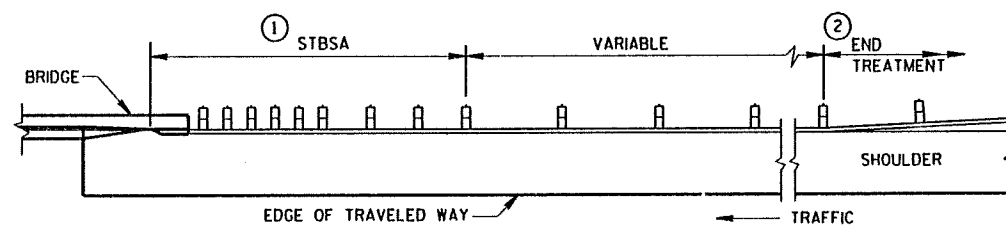
S.D.D. 14 B 15-6C



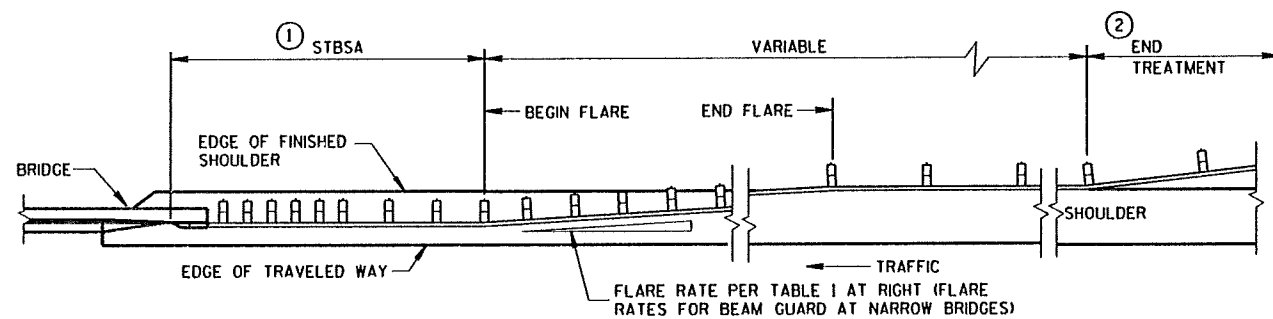
BEAM GUARD AT SIDEROADS OR DRIVEWAYS



**BEAM GUARD AT OBSTACLES
EXIT END - ONE WAY TRAFFIC**



BEAM GUARD AT FULL WIDTH BRIDGES



**BEAM GUARD AT NARROW BRIDGES
(FLARED TO SHOULDER EDGE, THEN PARALLEL TO ROADWAY)**

GENERAL NOTES

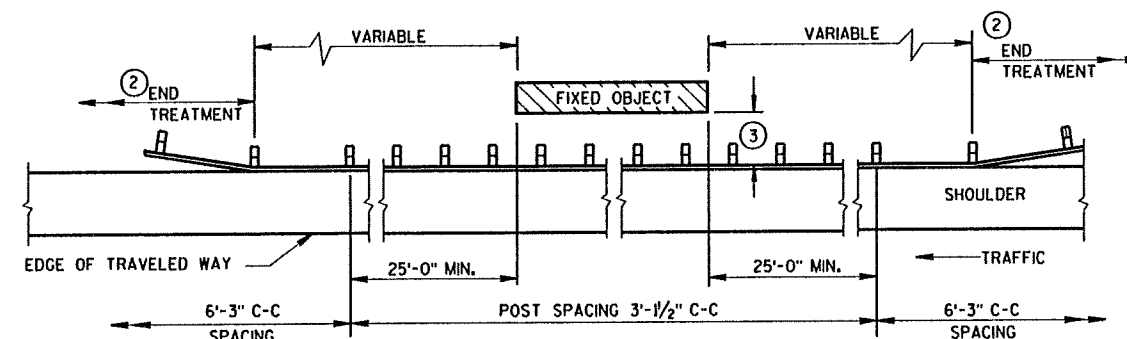
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PERTINENT STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

- ① STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) - SEE CURRENT SDD 14B20.
- ② USE AN APPROVED END TREATMENT FOR THE TRAFFIC APPROACH SIDE OF BRIDGE/OBSTACLES. USE TYPE 2 ANCHORAGE ONLY AT THE DOWNSTREAM ENDS OF BEAM GUARD LOCATED ALONG ROADWAYS WITH ONE WAY TRAFFIC.

MINIMUM LATERAL DISTANCE FROM FACE OF BEAM GUARD TO FIXED OBJECT	POST SPACING
3'-6"	3' - 1/2"
4'-6"	6' - 3"



BEAM GUARD AT OBSTACLES - TWO WAY TRAFFIC

(RAIL TO OBSTACLE CLEARANCE 3'-6" TO 4'-6")

**TABLE 1
FLARE RATES FOR BEAM
GUARD AT NARROW BRIDGES**

POSTED SPEED (MPH)	FLARE RATE
25	13:1
30	15:1
35	16:1
40	18:1
45	21:1
50	24:1
55	26:1
65	30:1

**STEEL PLATE BEAM GUARD,
CLASS "A"
(AT BRIDGES, OBSTACLES
AND SIDEROADS/DRIVEWAYS)**

**STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION**

APPROVED

8-21-07

DATE

FHWA

/S/ Jerry H. Zogg

ROADWAY STANDARDS DEVELOPMENT

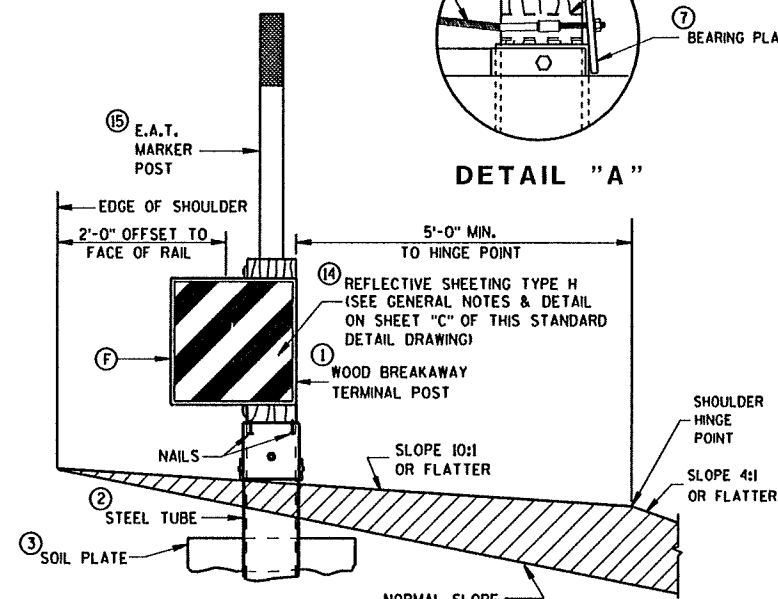
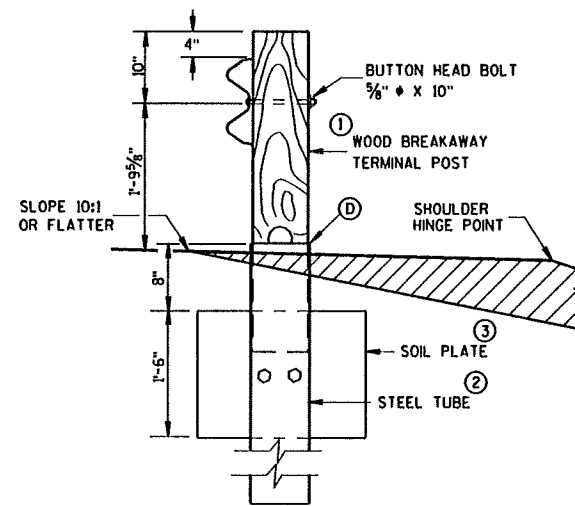
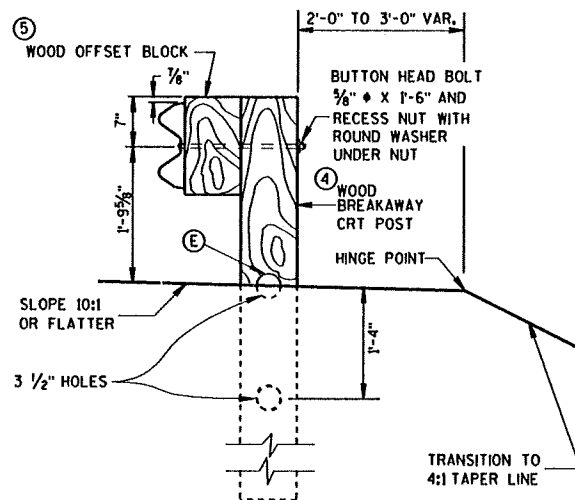
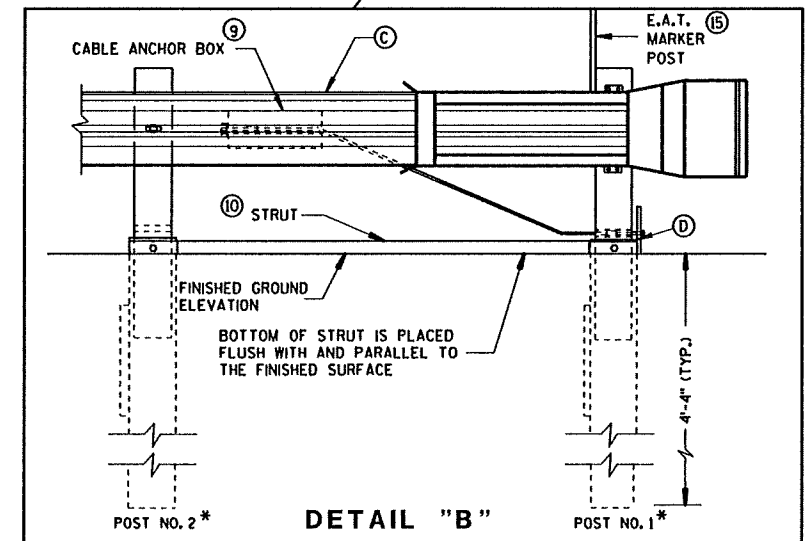
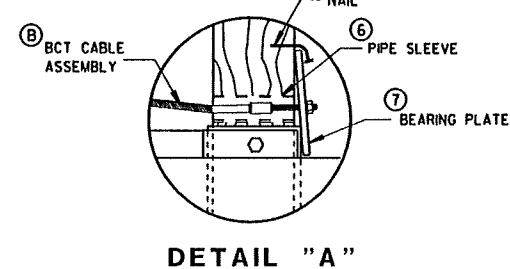
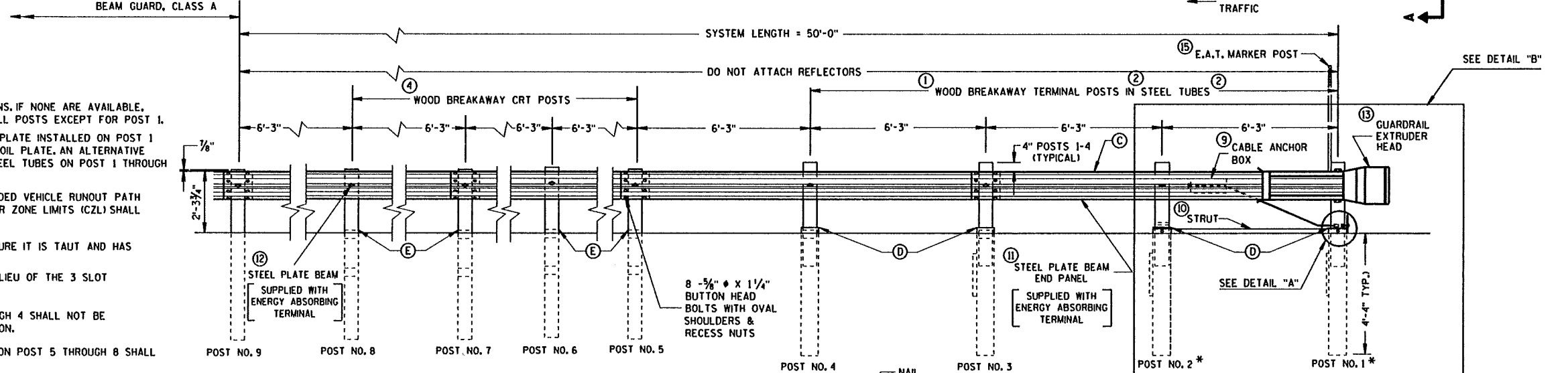
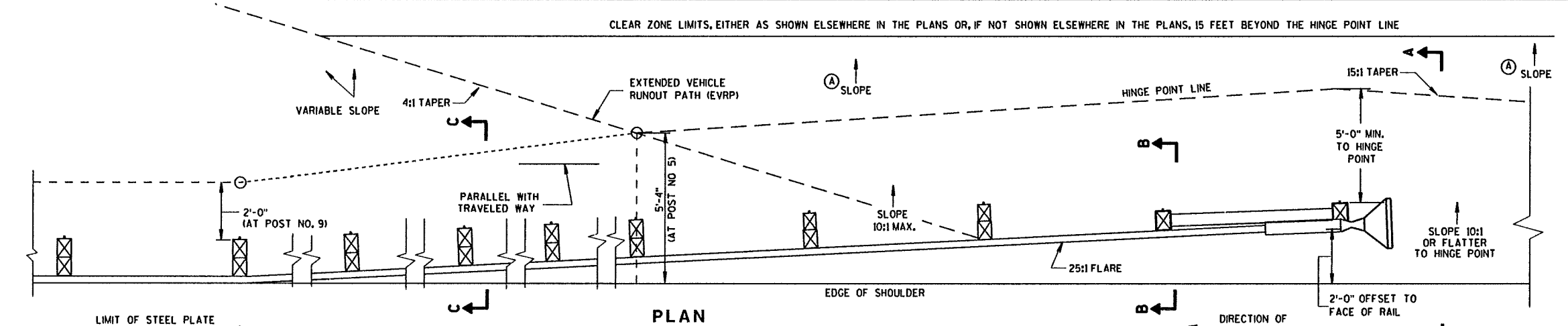
ENGINEER

BILL OF MATERIALS

NOTE NO.	QTY.	DESCRIPTION
①	4	WOOD BREAKAWAY TERMINAL POST: 5/2" X 7 1/2" X 3'-9"
②	4	STEEL TUBE: TS 8" X 6" X 0.188", 4'-6" LONG OR 6'-0" LONG **
③	3	SOIL PLATE: 2'-0" X 1'-6" X 1/4" **
④	4	WOOD BREAKAWAY CRT POST: 6" X 8" X 6'-0"
⑤	6	WOOD OFFSET BLOCKS: 6" X 8" X 1'-2"
⑥	1	PIPE SLEEVE: 2" X 5 1/2" STANDARD PIPE
⑦	1	BEARING PLATE
⑧	1	BCT CABLE ASSEMBLY
⑨	1	CABLE ANCHOR BOX
⑩	1	STRUT & YOKE
⑪	1	STEEL PLATE BEAM, END PANEL 12 GA. 13'-6 1/2" LONG FOR SKT-350, ET-2000 AND ET-2000 PLUS
⑫	3	STEEL PLATE BEAM: 12 GA. 13'-6 1/2"
⑬	1	ET-2000/ET-2000 PLUS GUARDRAIL EXTRUDER OR SKT-350 IMPACT HEAD; AS FURNISHED BY MANUFACTURER
⑭	1	REFLECTIVE SHEETING TYPE H: 18" X 18"
⑮	1	E.A.T. MARKER POST

GENERAL NOTES

- FOLLOW MANUFACTURE'S BOLTING RECOMMENDATIONS, IF NONE ARE AVAILABLE, INSTALL 3/8" ϕ X 1'-6" BUTTON HEAD BOLTS AT ALL POSTS EXCEPT FOR POST 1.
- ** SDD SHOWS 4 - 54 INCH STEEL TUBES WITH SOIL PLATE INSTALLED ON POST 1 THROUGH POST 3. POST 4 DOES NOT REQUIRE A SOIL PLATE. AN ALTERNATIVE INSTALLATION WOULD CONSIST OF 4 - 72 INCH STEEL TUBES ON POST 1 THROUGH POST 4, WITHOUT SOIL PLATES.
- (A) THE SLOPE IN THE AREA BOUNDED BY THE EXTENDED VEHICLE RUNOUT PATH (EVRP), THE HINGE POINT LINE (HPL), AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.
- (B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.
- (C) THE 13 SLOT FIRST RAIL PANEL MAY BE USED IN LIEU OF THE 3 SLOT RAIL PANEL ON SKT-350 ONLY.
- (D) THE TOP OF THE STEEL TUBE ON POSTS 1 THROUGH 4 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.
- (E) THE CENTER OF THE UPPER 3/2" DIAMETER HOLE ON POST 5 THROUGH 8 SHALL BE 3/4" ABOVE THE FINISHED GROUND LINE.
- (F) SHEETING IS ATTACHED TO 0.040 ALUMINUM SHEET AND ATTACHED TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS, ONE SCREW PER CORNER OF E.A.T. STEEL POSTS SHALL NOT BE ALLOWED FOR USE WITH ENERGY ABSORBING TERMINALS.
- DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- * DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

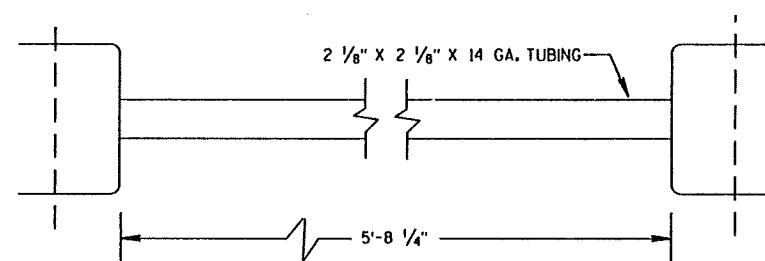


STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

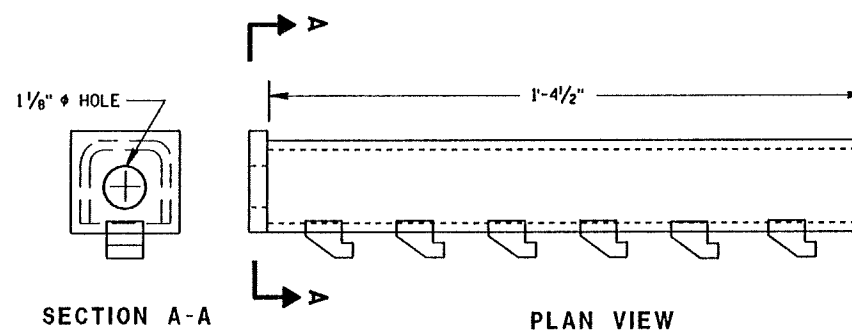
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 14 R 24-60

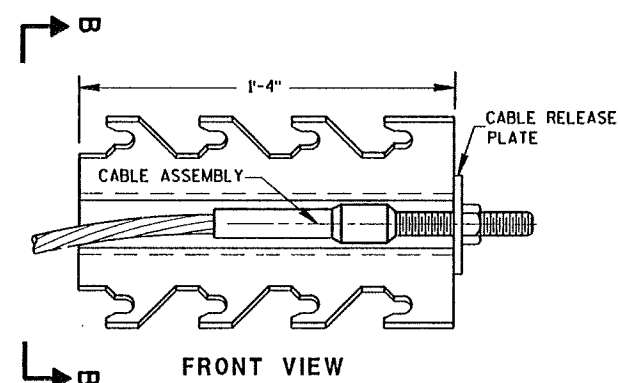
S.D.D. 14 B 24-60



⑩ STRUT DETAIL (SKT-350)



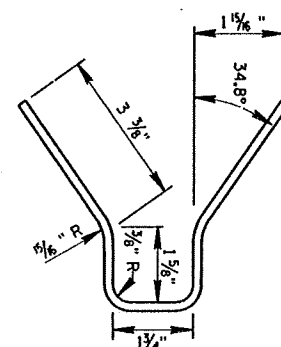
⑨ CABLE ANCHOR BOX (ET-2000/ET-2000 PLUS)



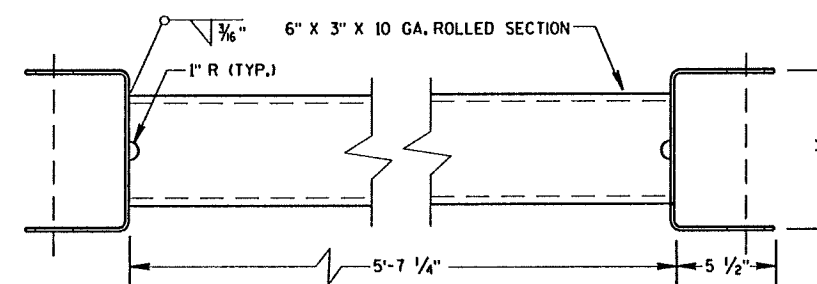
FRONT VIEW

⑨ CABLE ANCHOR BOX (SKT-350)

(SKT-350)

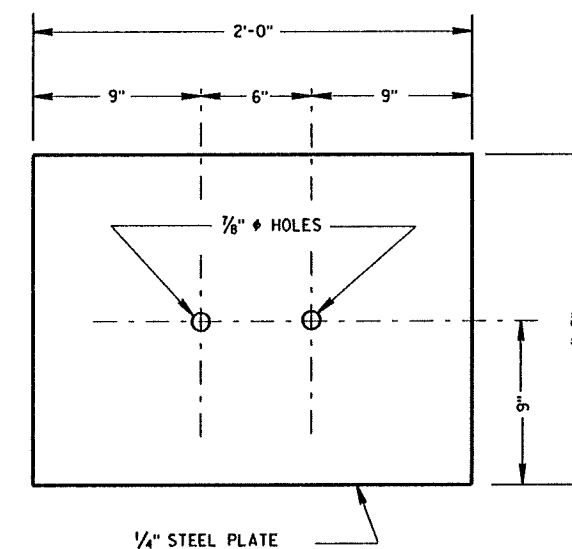


SECTION B-B

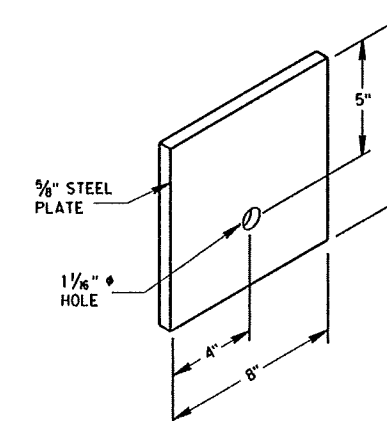


⑩ STRUT DETAIL (ET-2000/ET-2000 PLUS)

(ET-2000/ET-2000 PLUS)



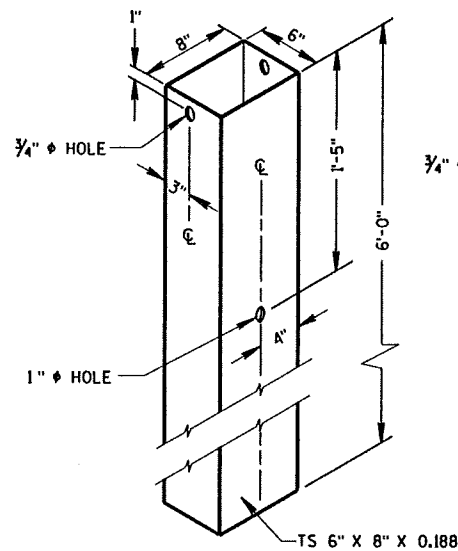
③ SOIL PLATE
(SKT-350, ET-2000/ET-2000 PLUS)



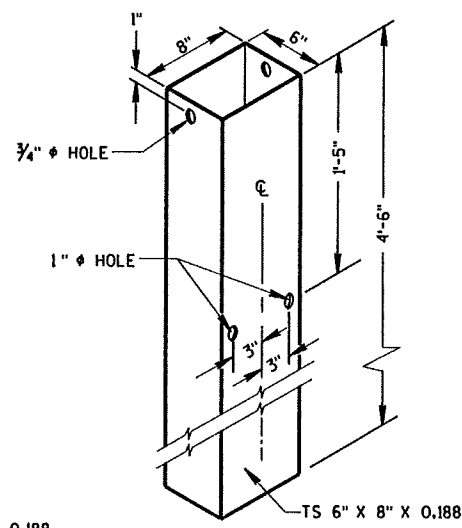
⑦ STEEL BEARING PLATE
(SKT-350, ET-2000/ET-2000 PLUS)

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

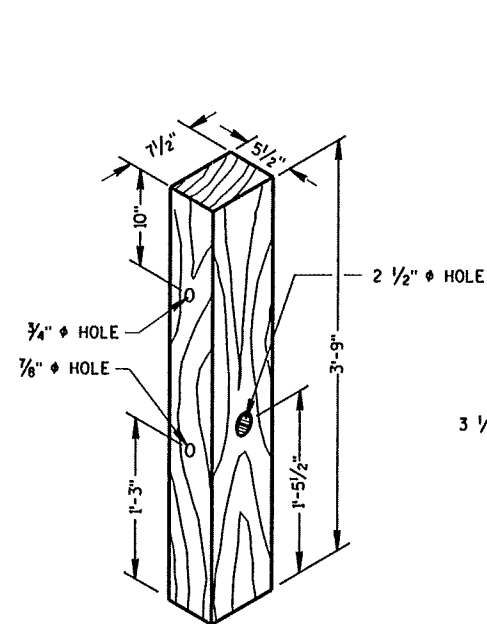
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



② 72" STEEL TUBE
(POSTS NO. 1-4)

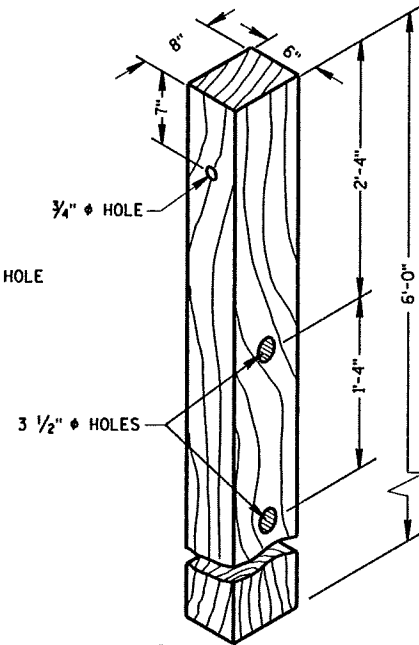


② 54" STEEL TUBE
(POSTS NO. 1-4)



① TERMINAL POST
(POSTS NO. 1-4)

WOOD BREAKAWAY POSTS



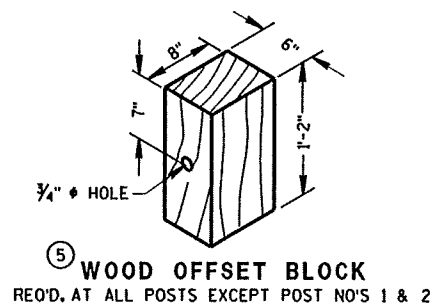
④ CRT POST
(POSTS NO'S 5-8)

GENERAL NOTES

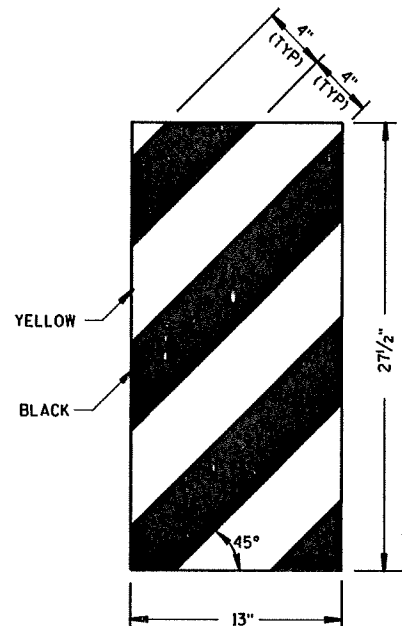
STEEL PLATE BEAM GUARD, ENERGY ABSORBING TERMINAL SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH, WHICH SHALL INCLUDE HARDWARE, STEEL PLATE BEAM GUARD, POSTS, REFLECTIVE SHEETING AND INSTALLATION AS SHOWN.

WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 1/2" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH, PLACED IN THE HOLE AND BACKFILLED WITH ADEQUATELY COMPACTED MATERIAL EXCAVATED FROM THE HOLE.

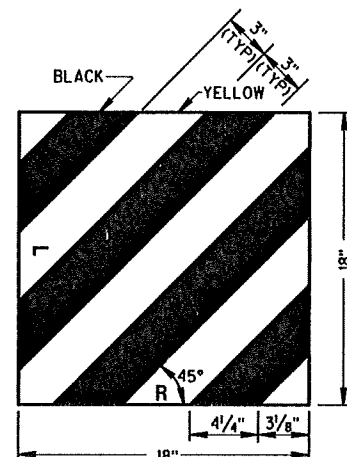
⑥ 1/2" DIA. X 3" LAG BOLT WITH WASHER.



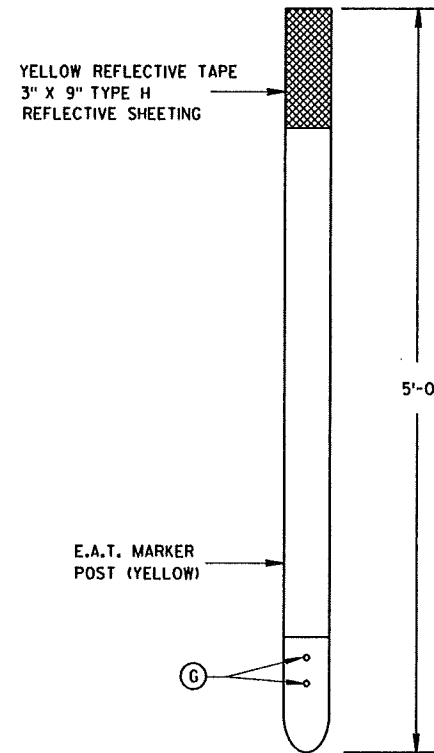
⑤ WOOD OFFSET BLOCK
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



ET-2000 PLUS ONLY



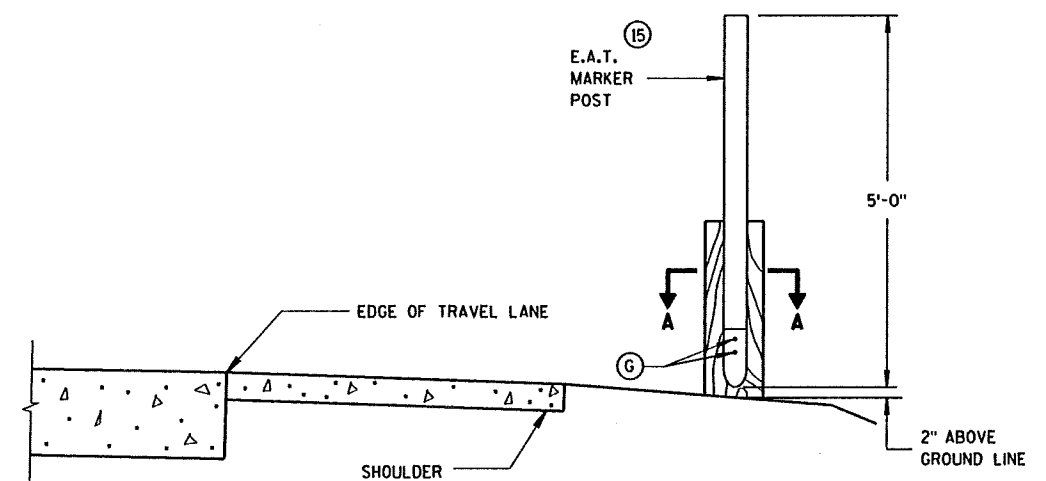
ET-2000 AND SKT-350



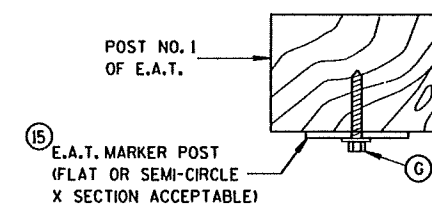
FRONT VIEW

SIDE VIEW

⑮ E.A.T. MARKER POST



TYPICAL INSTALLATION OF E.A.T. MARKER POST BACKSIDE OF POST NO. 1
(E.A.T. AND RAIL REMOVED FOR CLARITY)

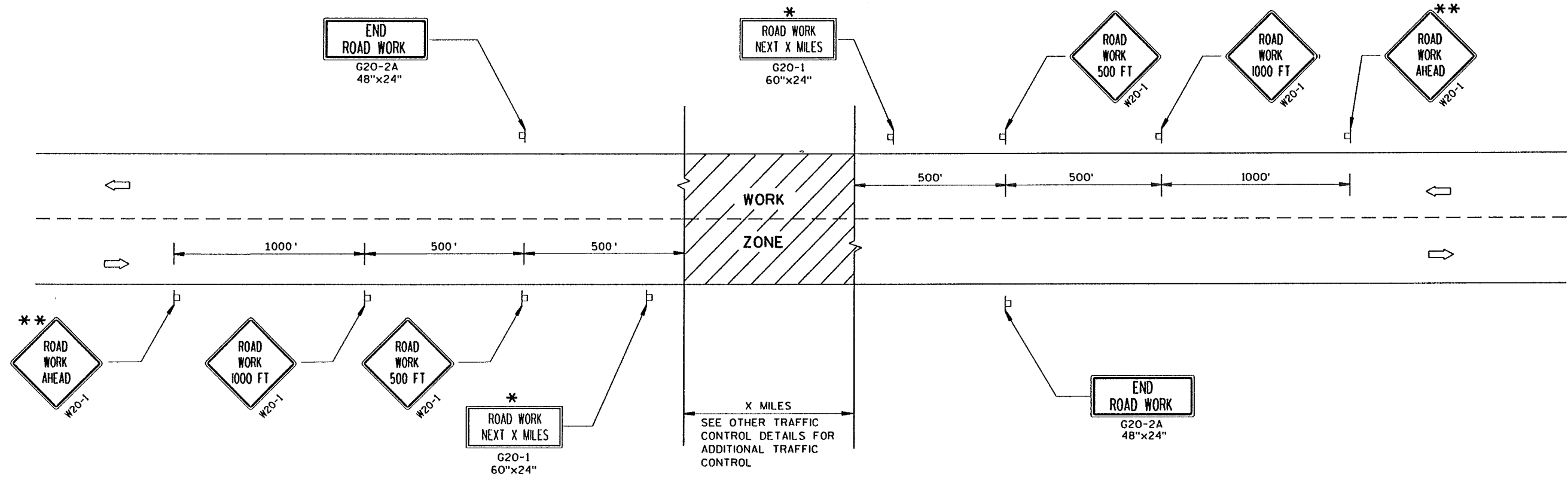


SECTION A-A

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6-18-09 /S/ Jerry H. Zogg
DATE ROADWAY STANDARDS DEVELOPMENT
FHWA ENGINEER



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.

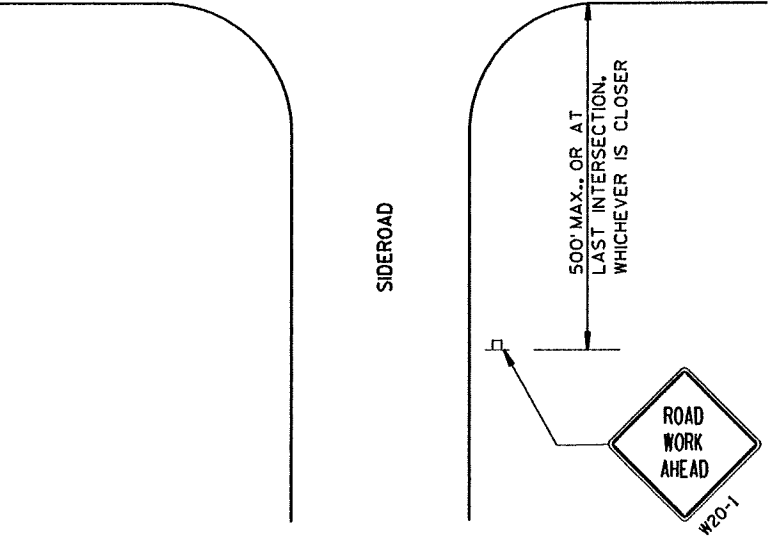
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

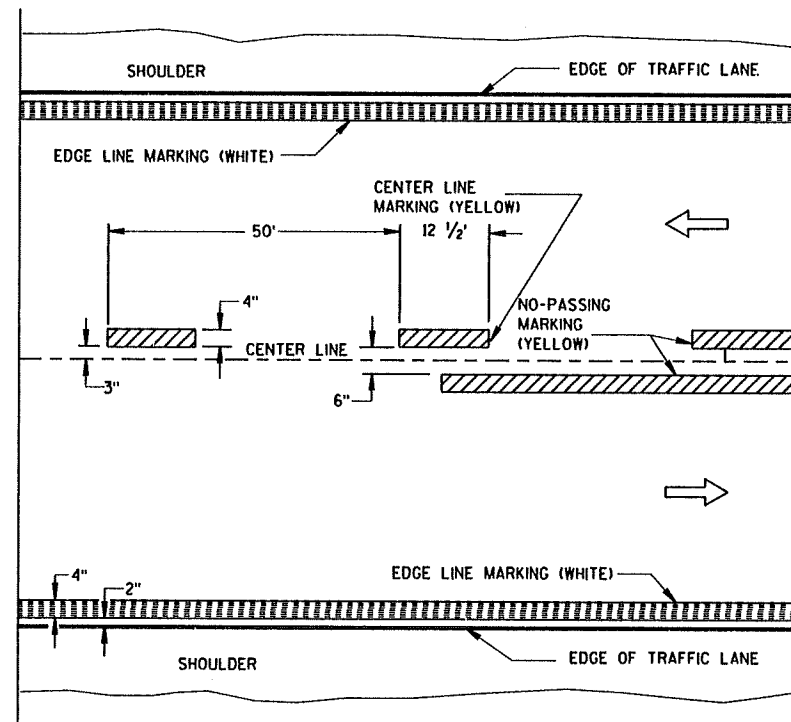
MAINLINE ROADWAY UNDER CONSTRUCTION



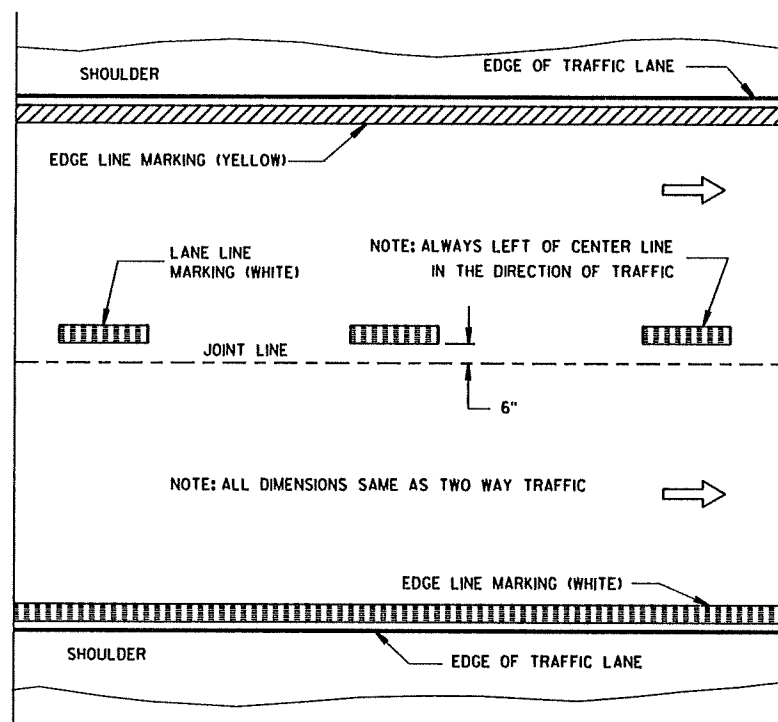
LEGEND

- 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 DATE	<i>Chetan J. Spang</i> CHIEF SIGNS AND MARKING ENGINEER
FHWA	

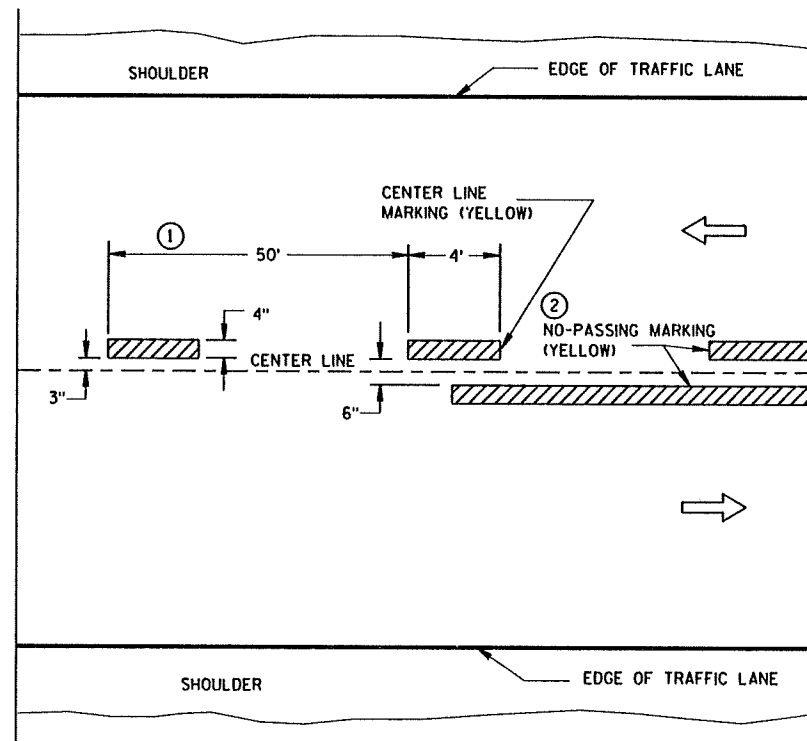


TWO WAY TRAFFIC

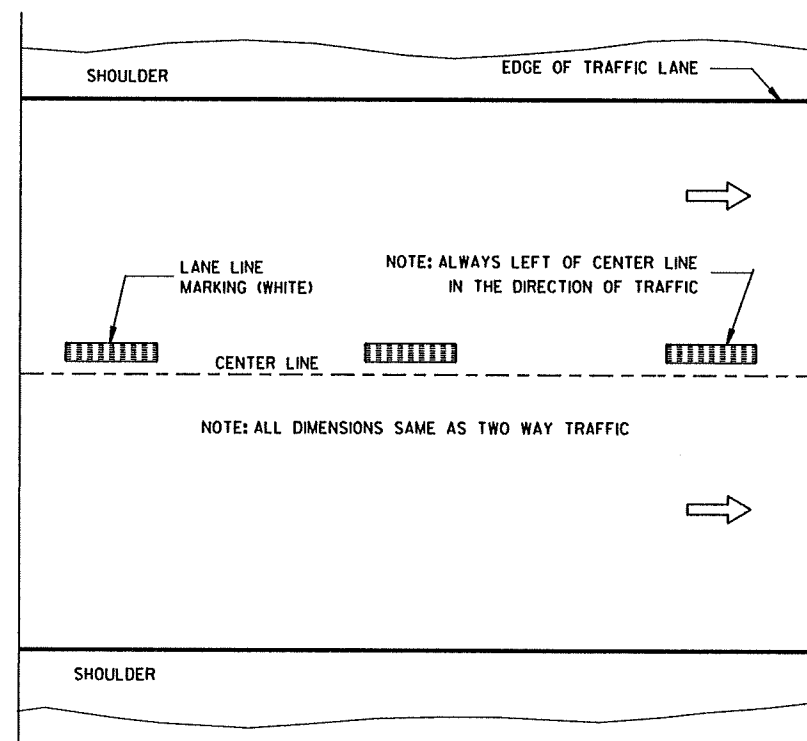


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

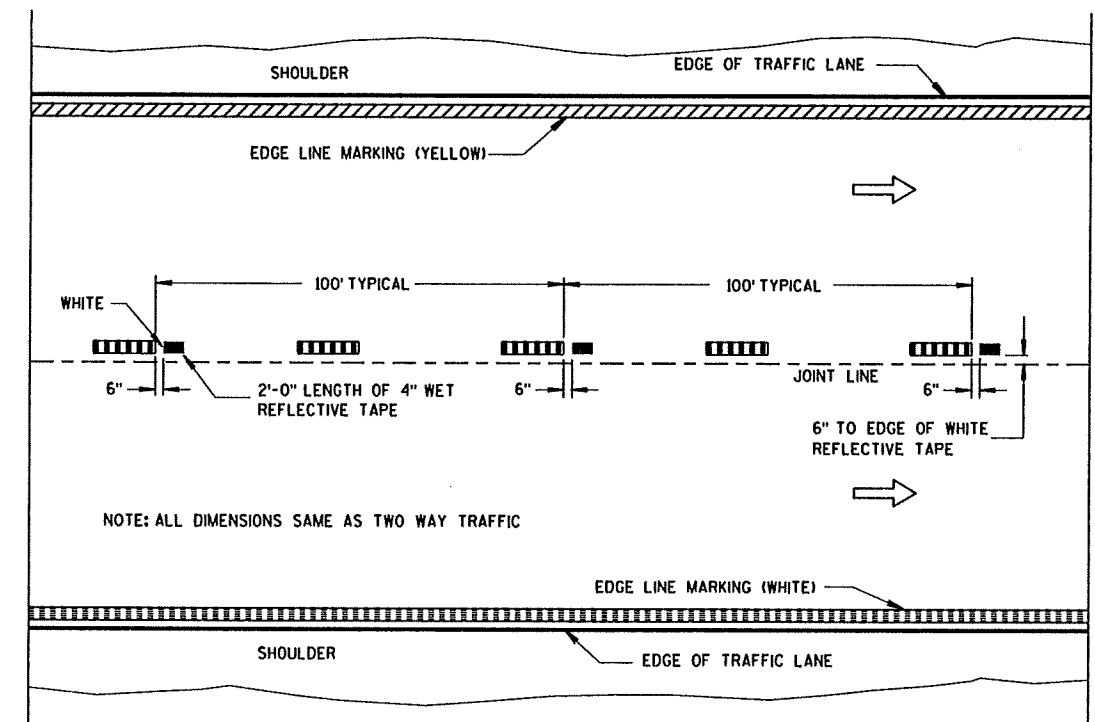
GENERAL NOTES

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.

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

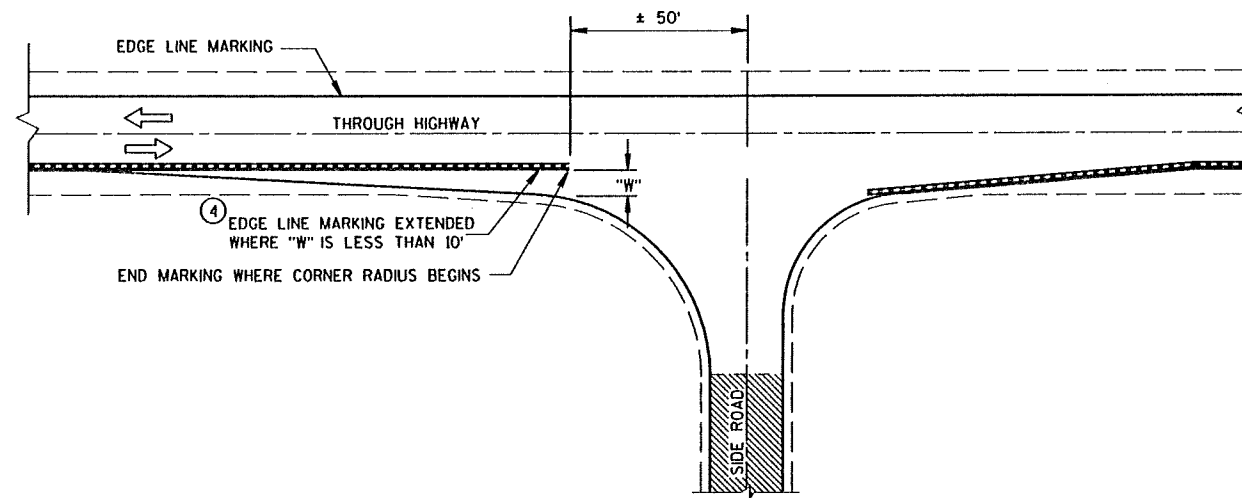


WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10-20-09 /S/ Thomas N. Notbohm
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



MINOR INTERSECTION WITHOUT CURBS

⑧

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

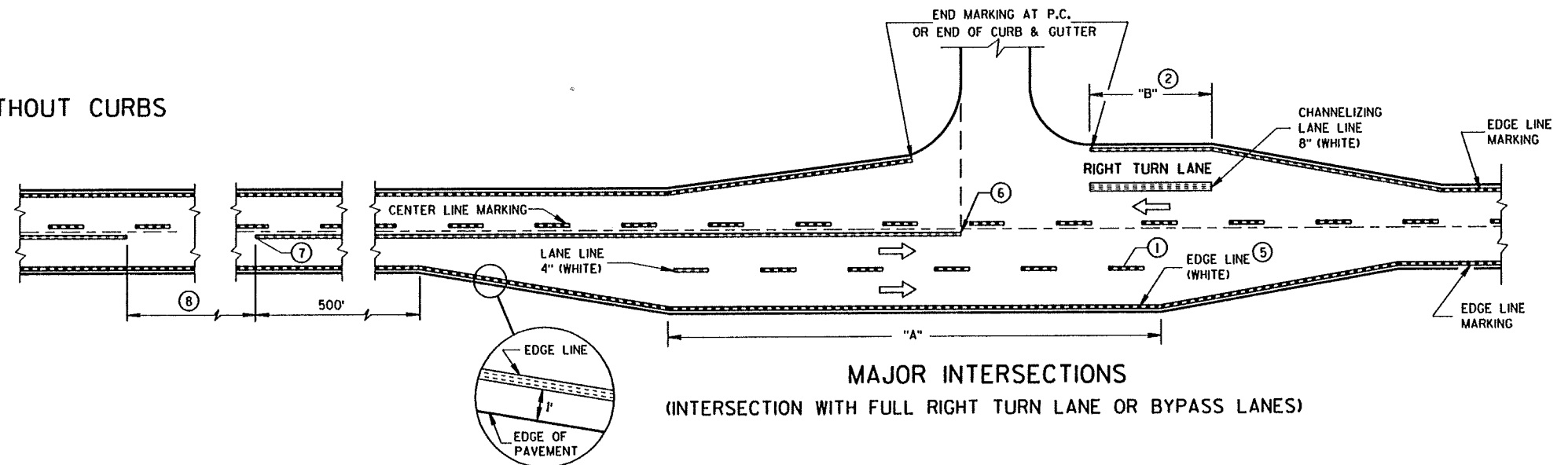
GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

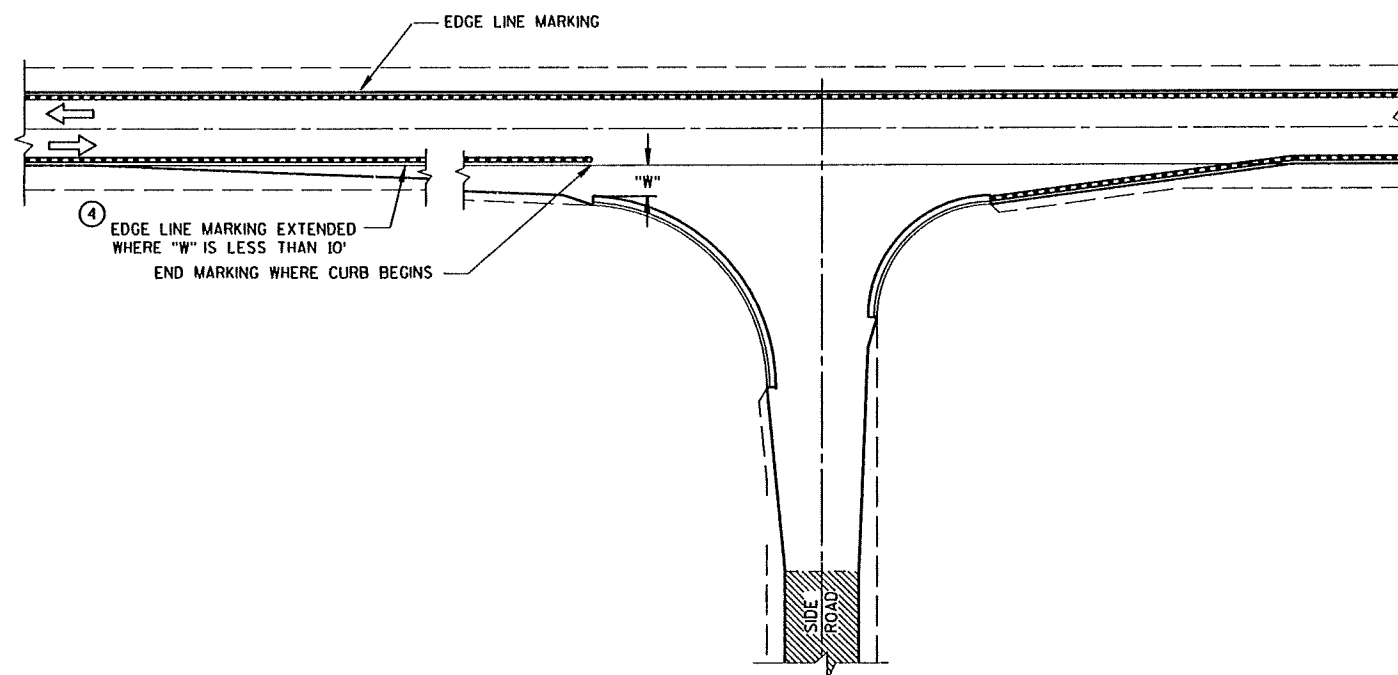
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- ③ ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP 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 LOCATE THE EDGE LINE ALONG THE TAPER WHERE "W" IS 10' OR MORE.
- ⑤ 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.

- ⑥ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
- ⑦ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
- ⑧ IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

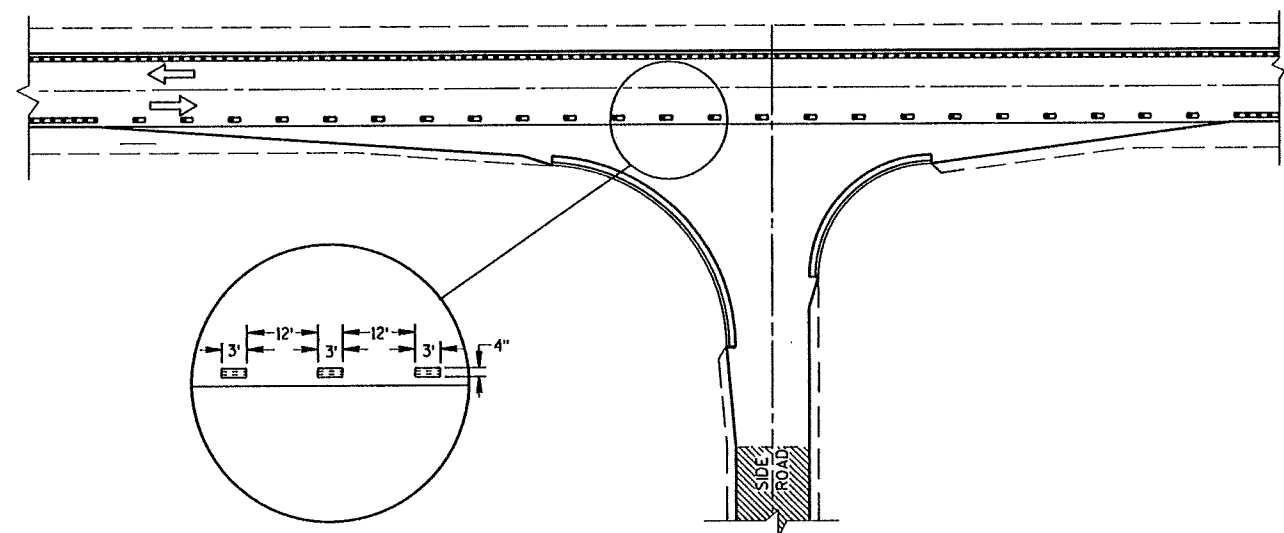
ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL



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



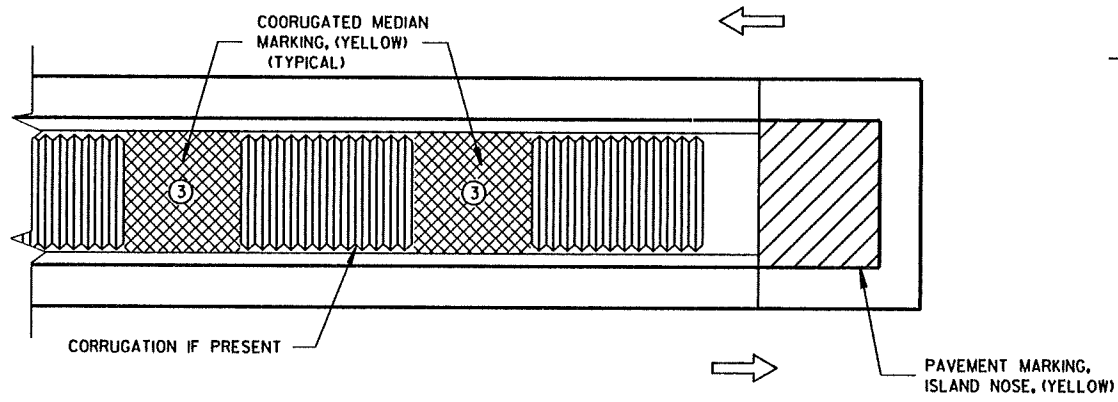
MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



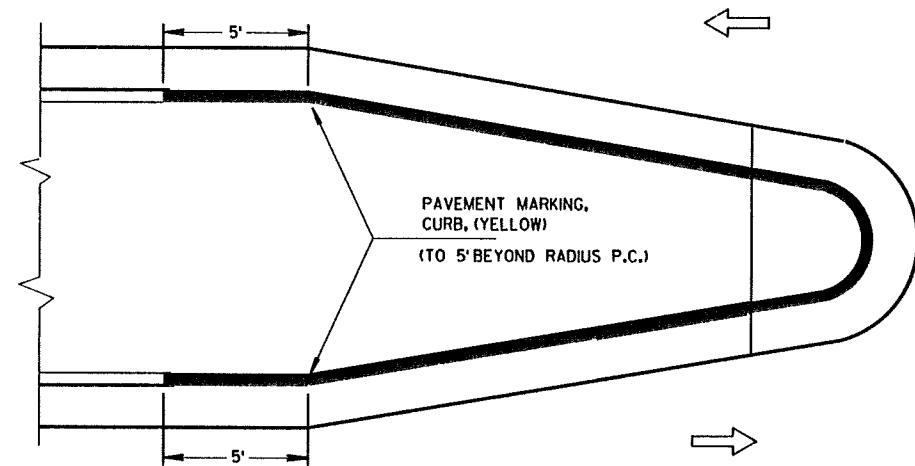
MINOR INTERSECTION WITH CURBS
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

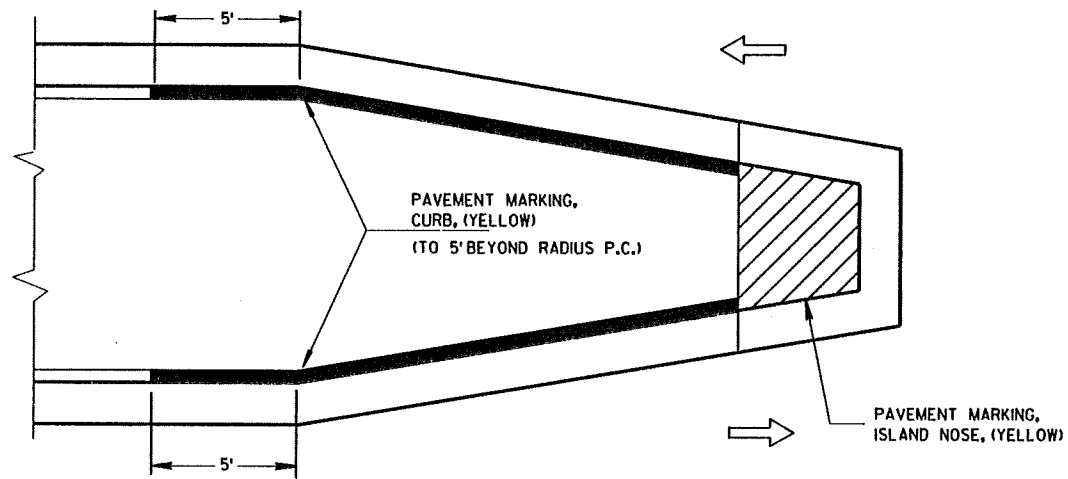
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

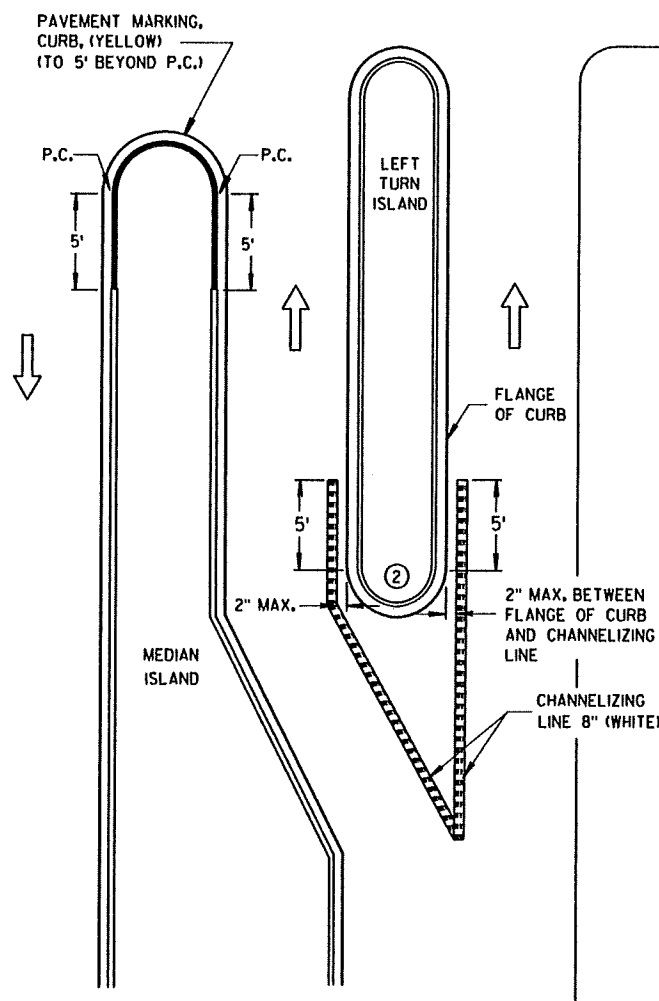


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

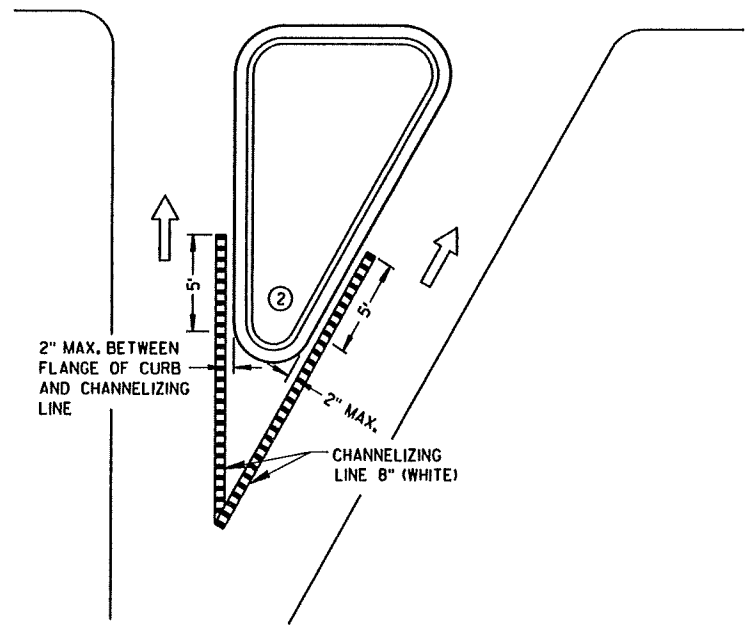
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

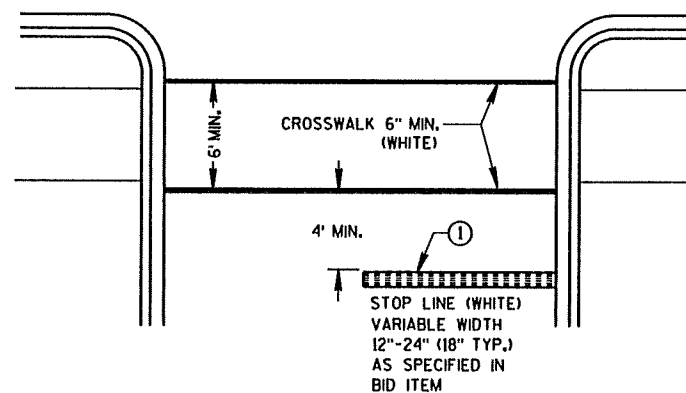
- STOP LINE IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
- DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
- WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND

LEGEND

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



STOP LINE AND CROSSWALK

PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

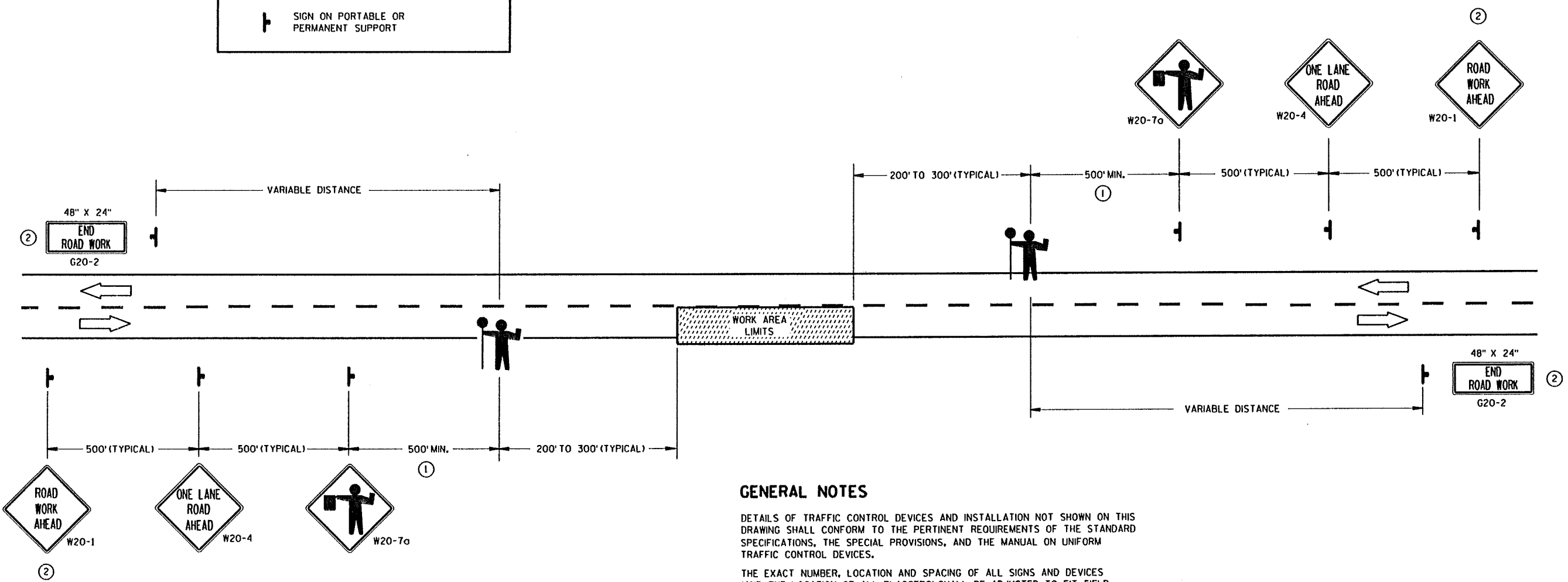
TWO-LANE ROADWAY

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

6

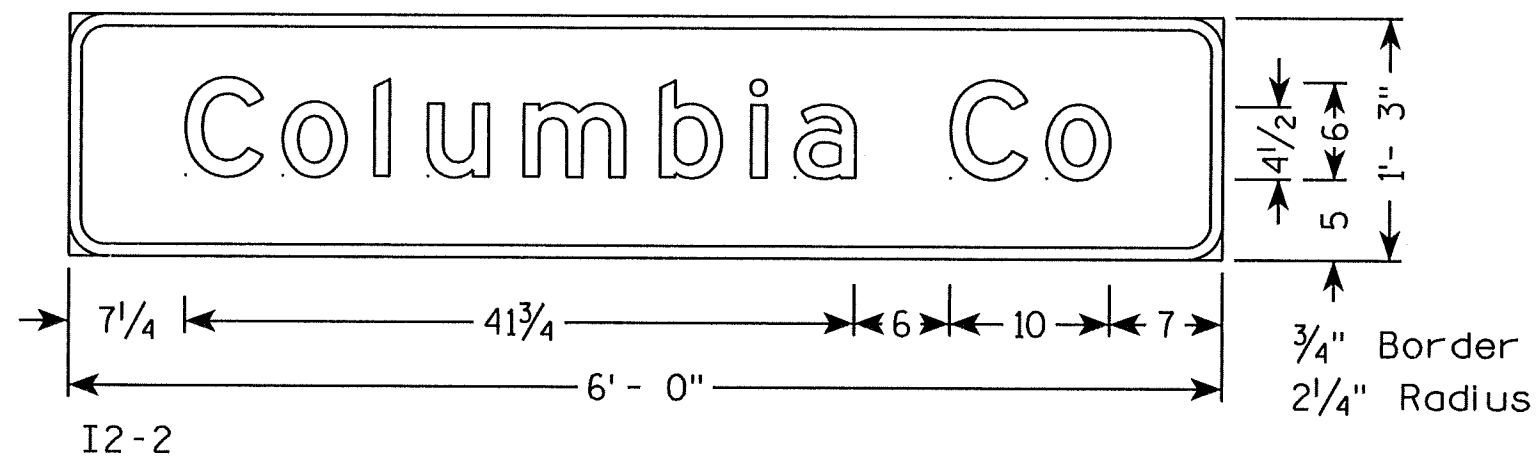
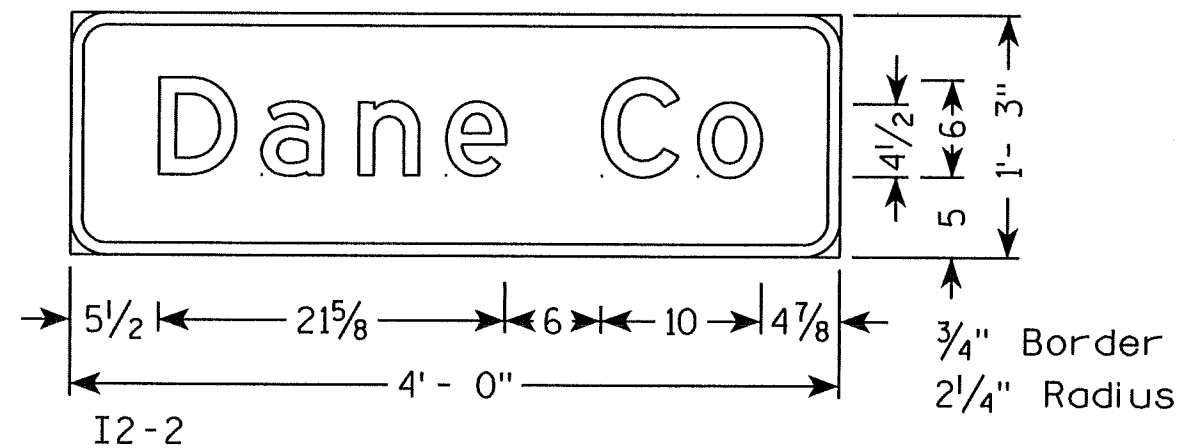
6

S.D.D. 15 C 12-3

S.D.D. 15 C 12-3

NOTES

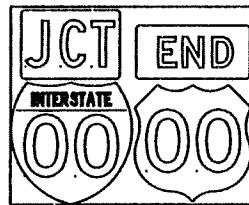
1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - GREEN
Message - WHITE
3. Message Series - E



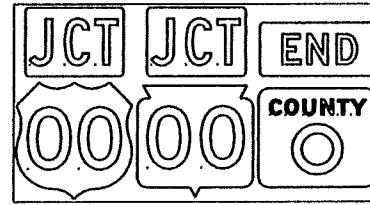
TYPICAL ASSEMBLIES



J1-1



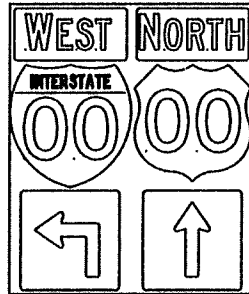
J1-2



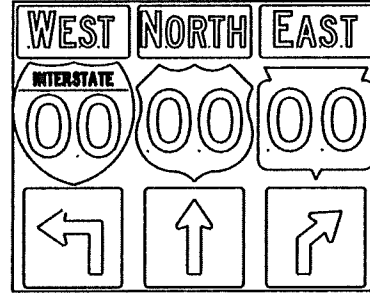
J1-3



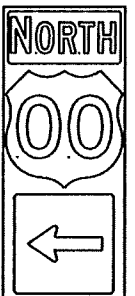
J2-1



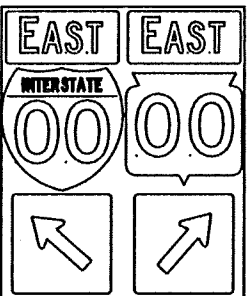
J2-2



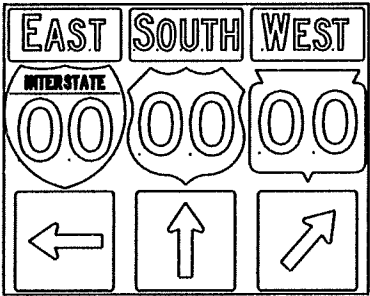
J2-3



J3-1



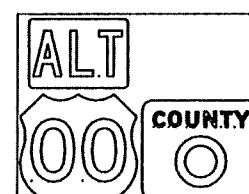
J3-2



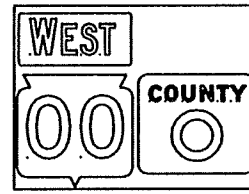
J3-3



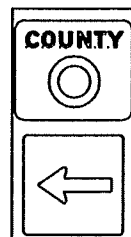
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



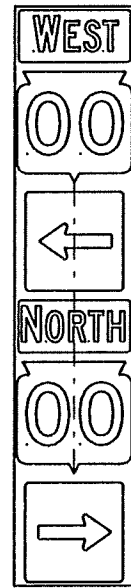
J33-1



J23-1



J22-1

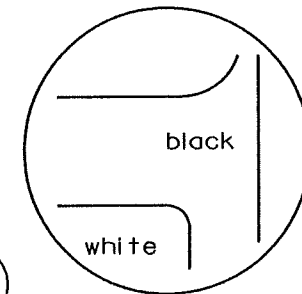
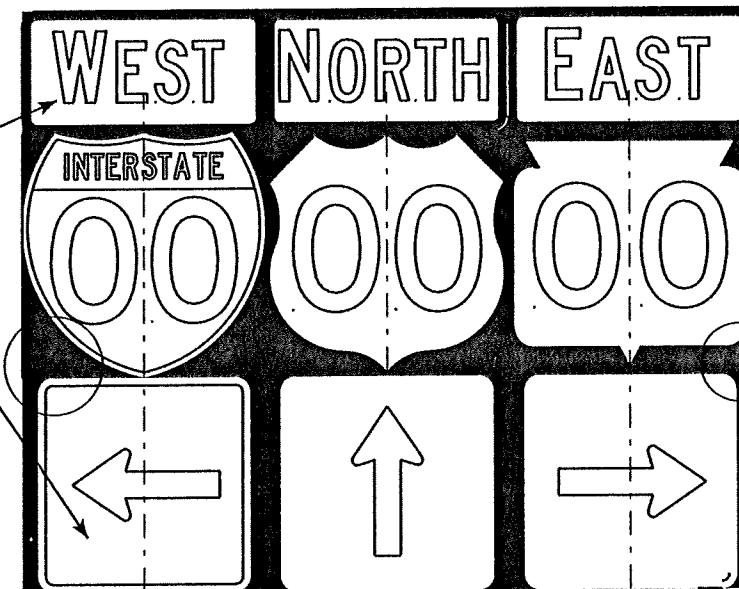
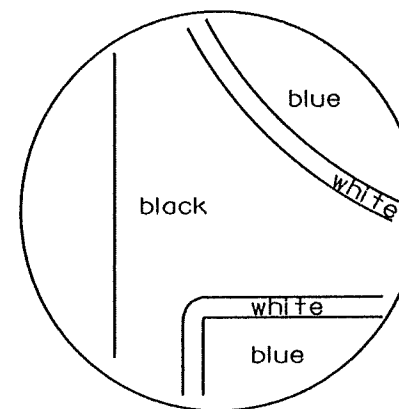


JV

NOTES

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

[blue background with interstate]



[black background]

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

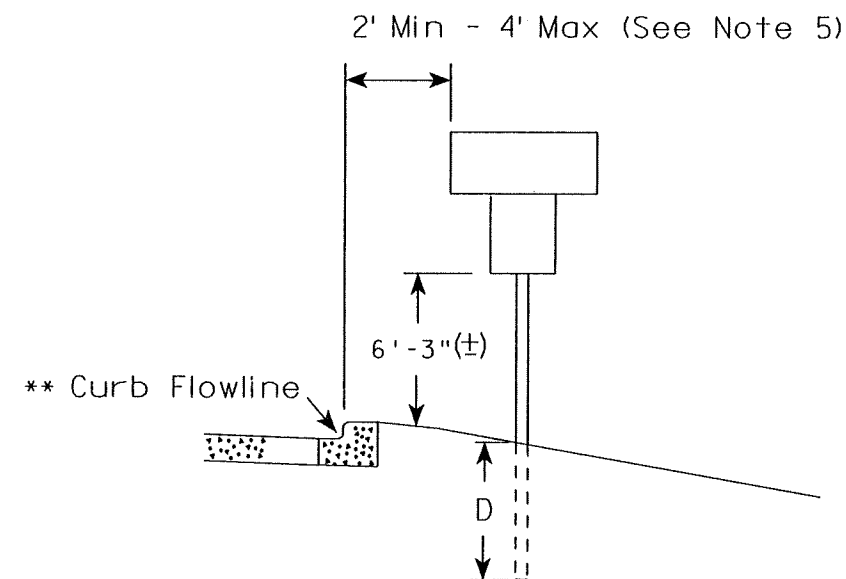
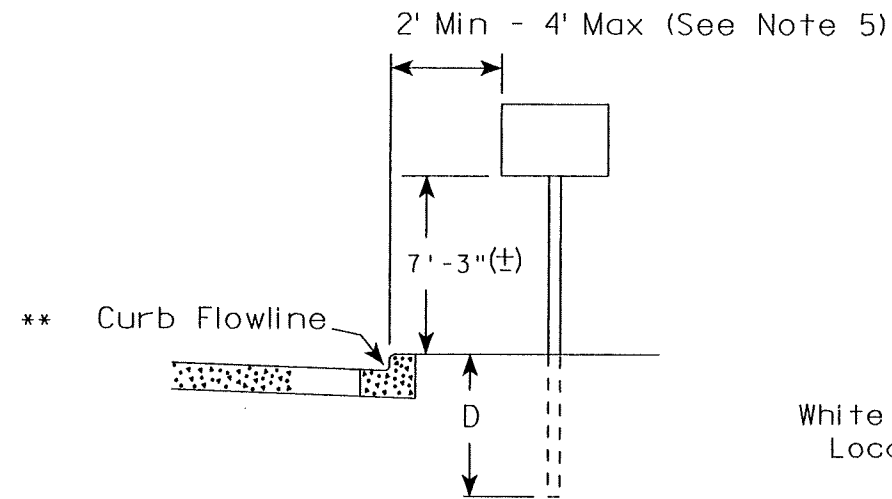
DATE 10/21/09 PLATE NO. A2-1S.6

PROJECT NO:

SHEET NO: 42

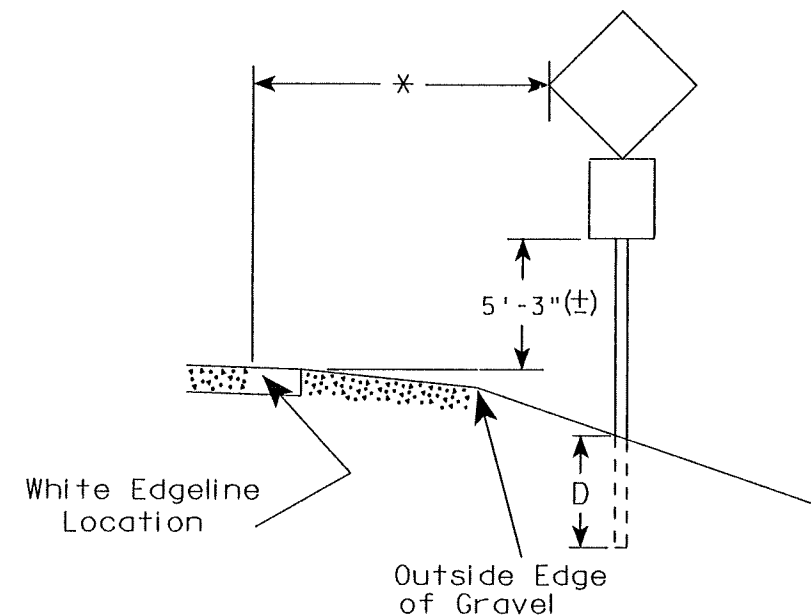
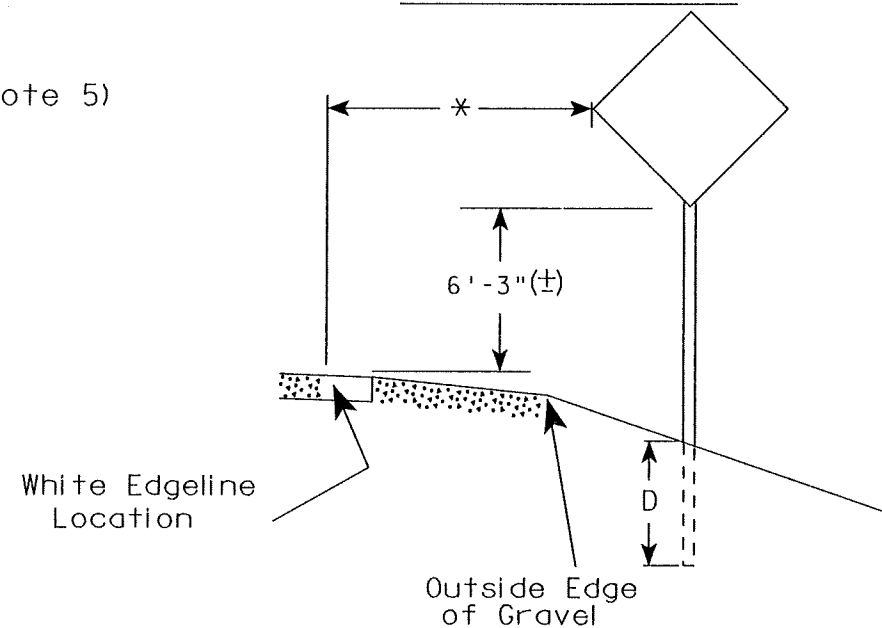
E

URBAN AREA



** 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.

RURAL AREA (See Note 2)



* 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.

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 (W1-8A), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (±).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 9/30/09 PLATE NO. A4-3.15

PROJECT NO:

HWY:

COUNTY:

SHEET NO: 43

E

GENERAL NOTES

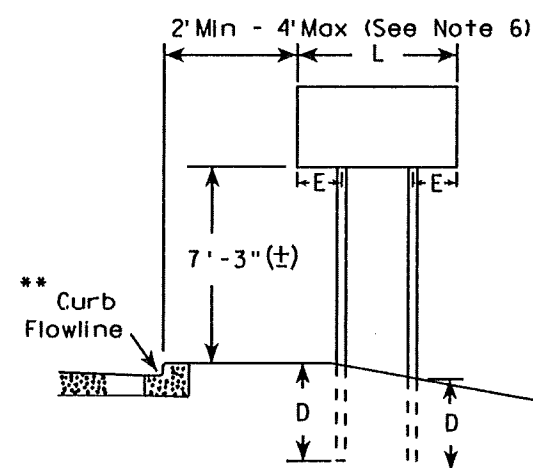
1. For multiple post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.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

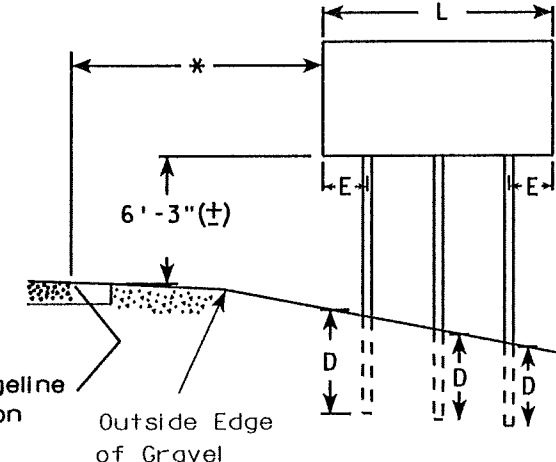
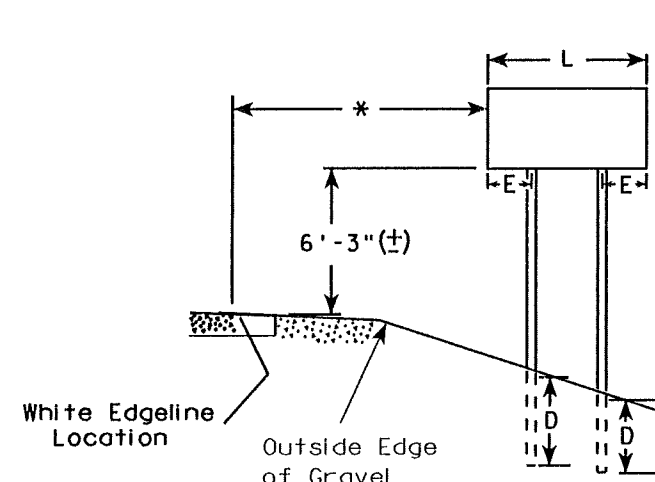
** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs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

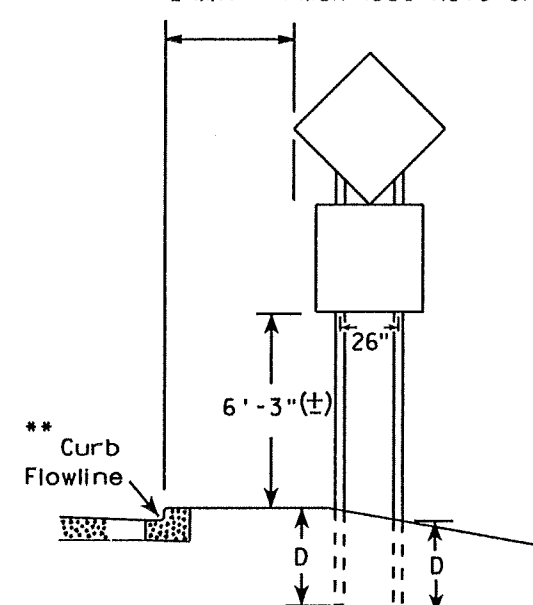
URBAN AREA



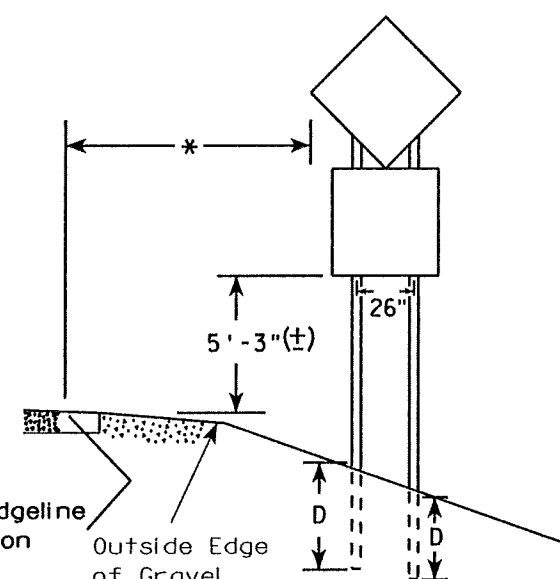
RURAL AREA (See Note 3)



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

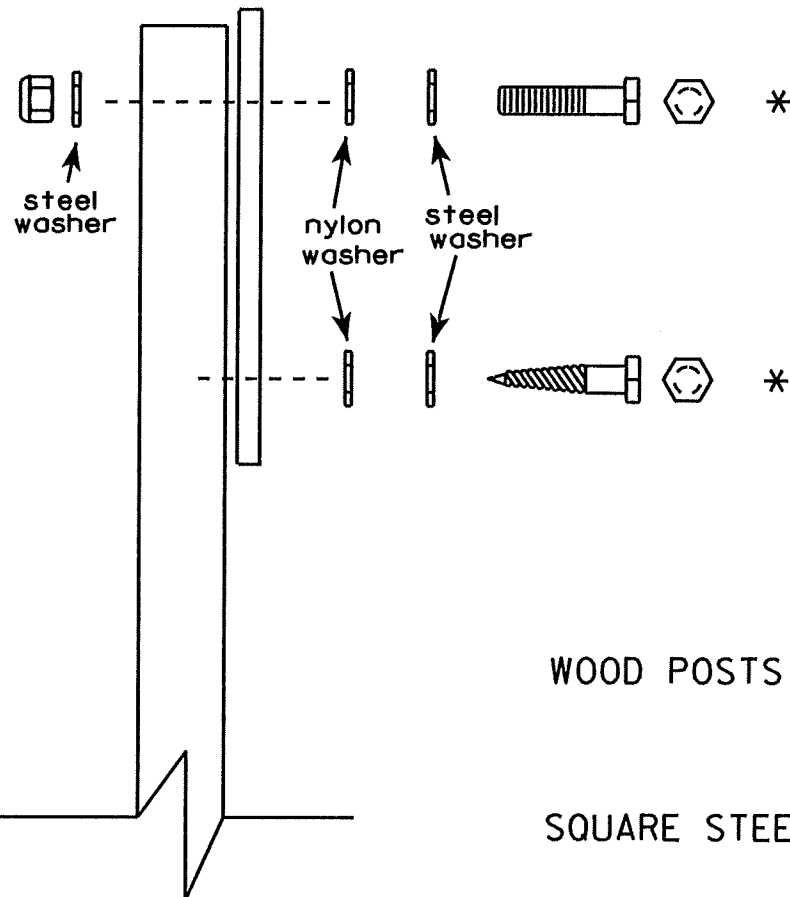
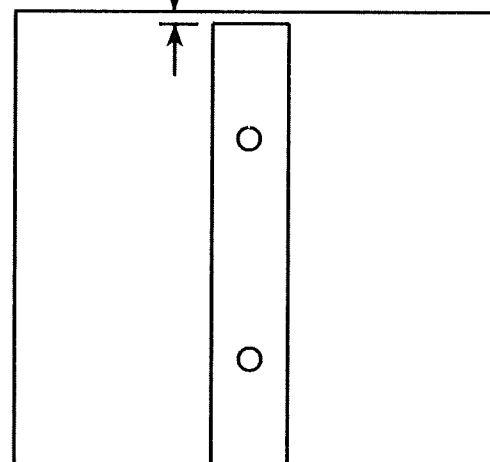
Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 9/30/09 PLATE NO. A4-4.10

1" ± 1/2"

SIGN SHALL BE MOUNTED TO PROJECT
ABOVE THE TOP OF THE POST



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

- Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
- 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

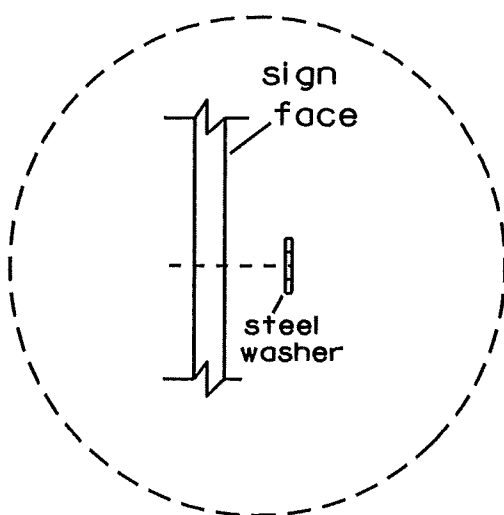
RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL

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

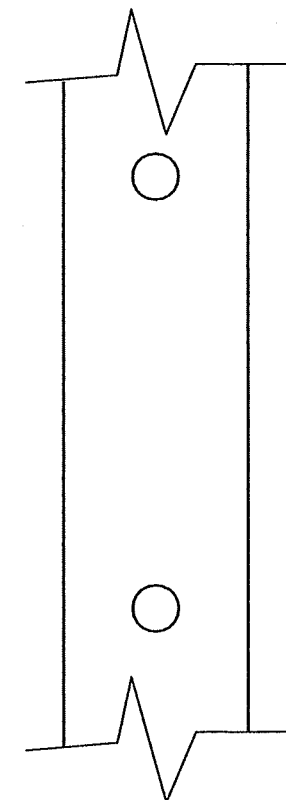
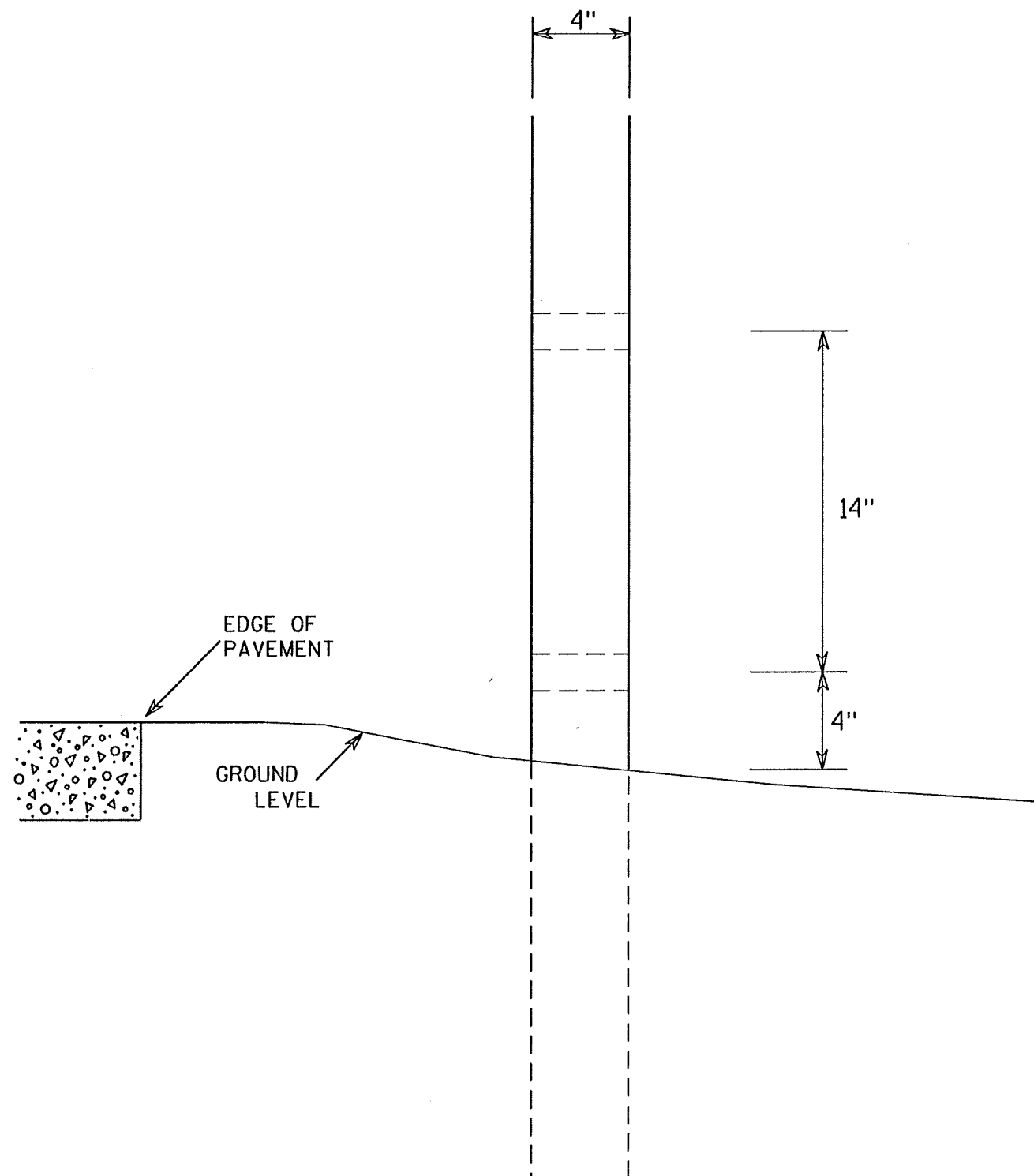
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 3/23/10 PLATE NO. A4-8.7

PROJECT NO:

SHEET NO: 45

E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1 1/2" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 3/27/97

PLATE NO. A4-11.2

PROJECT NO:

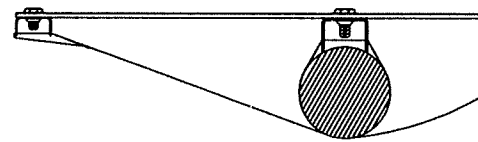
HWY:

COUNTY:

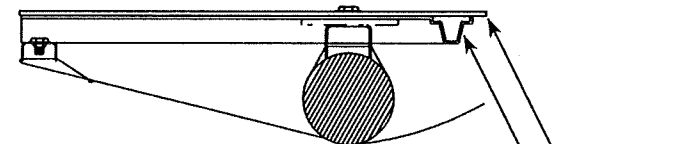
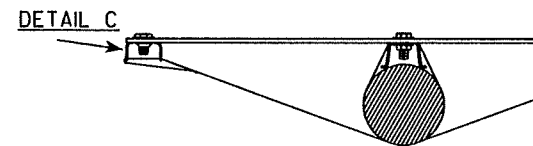
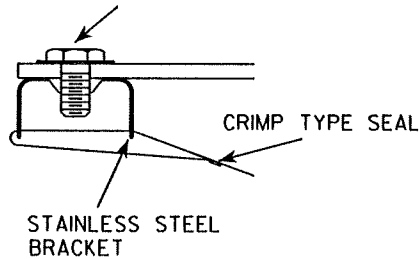
SHEET NO: 46

E

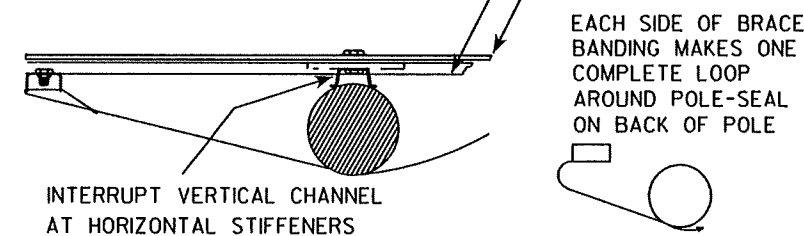
BRACE BANDING



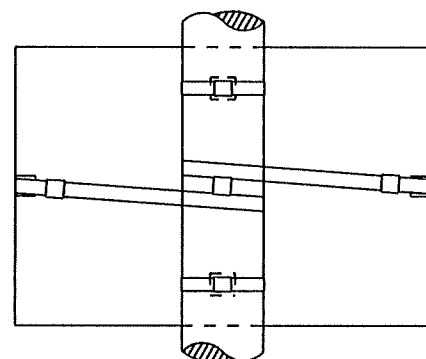
DETAIL C
CADMIUM PLATED STEEL BOLT
THROUGH BLACK BORDER



CHANNEL
(SAME TYPE USED
IN VERTICAL POSITION
IN "J" ASSEMBLY)

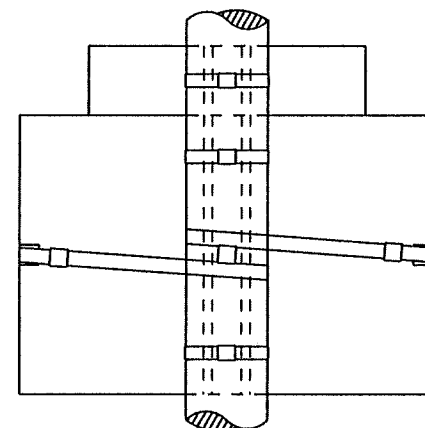


INTERRUPT VERTICAL CHANNEL
AT HORIZONTAL STIFFENERS



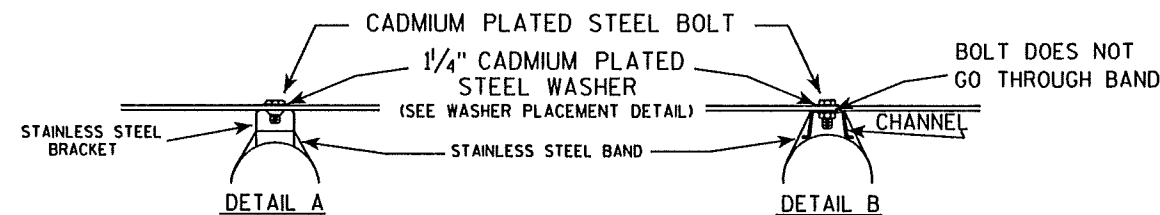
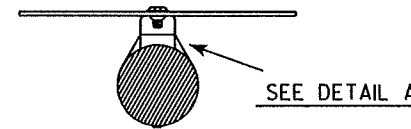
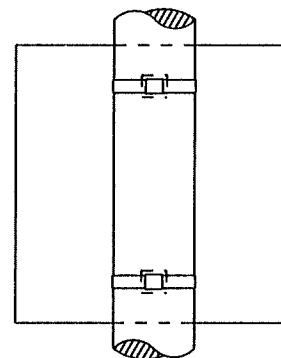
BRACE BANDING

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

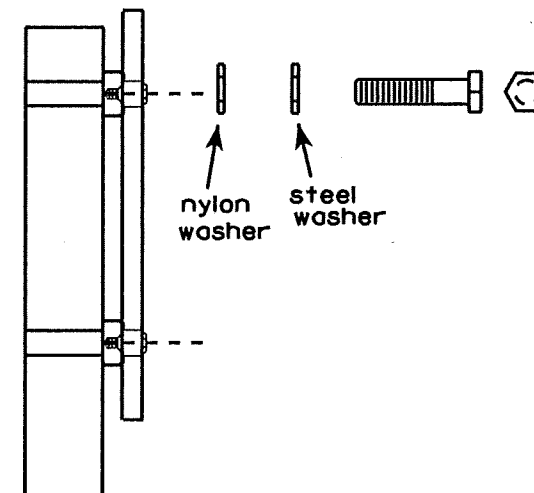


BRACKET BANDING

SINGLE SIGN



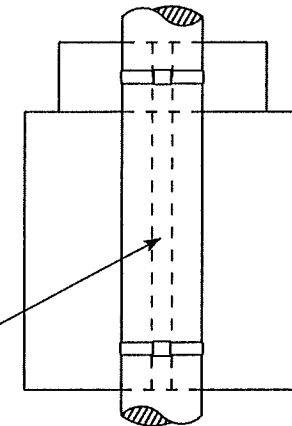
WASHER PLACEMENT



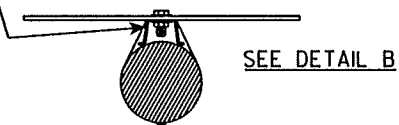
WASHERS (ALL POSTS) -

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

"J" ASSEMBLY



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.

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:

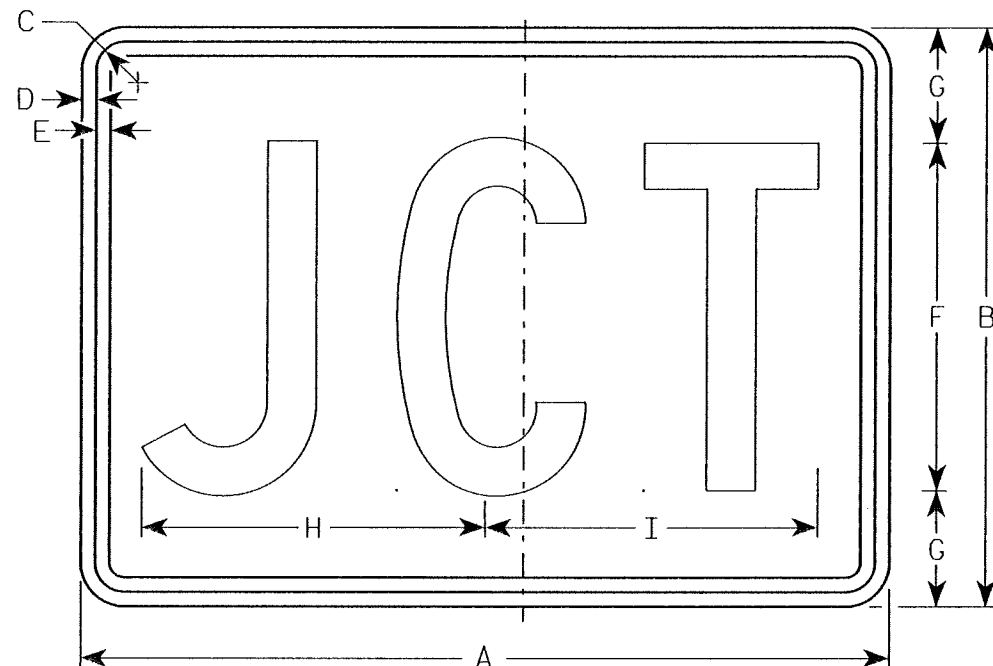
COUNTY:

SHEET NO: 47

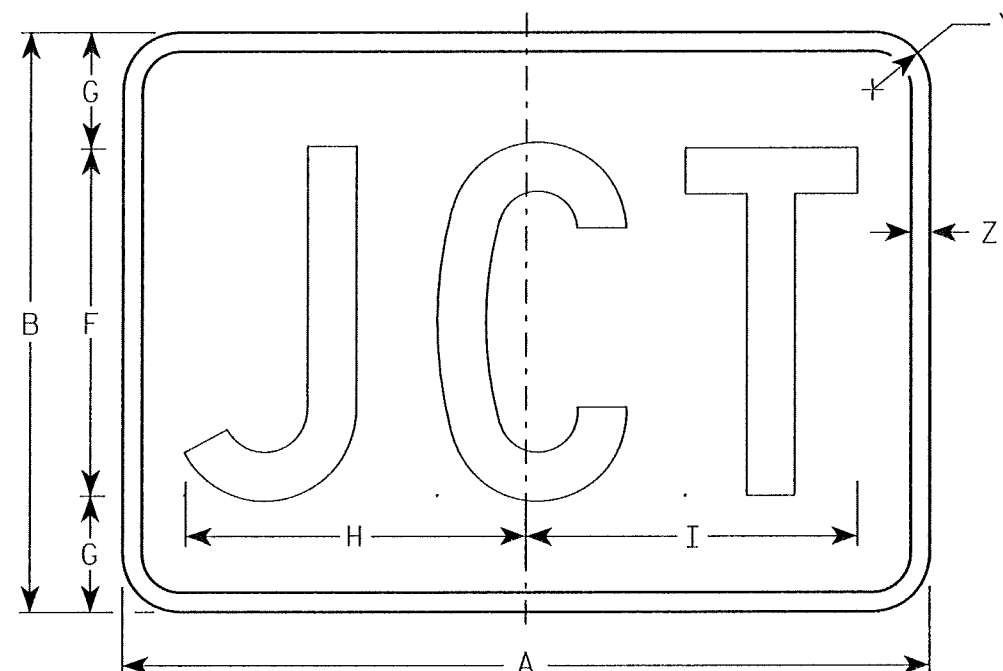
E

NOTES

- Sign is Type II - See Note 5 - reference
WIS DOT Standard Specification for HIGHWAY
and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - See note 5
Message - See note 5
- Message Series - C
- 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.
- M2-1 Background - White - Type H Reflective
(Detour or temporary Signs - Reflective)
Message - Black
MB2-1 Background - Blue
Message - White - Type H Reflective
(Detour or temporary Signs - Reflective)
MG2-1 Background - Green
Message - White - Type H Reflective
MK2-1 Background - Green
Message - White - Type H Reflective
MM2-1 Background - White - Type H Reflective
Message - Green
MN2-1 Background - Brown
Message - White - Type H Reflective
MR2-1 Background - Brown
Message - Yellow - Type H Reflective



M2-1
MK2-1
MM2-1
MR2-1



MB2-1
MG2-1
MN2-1

Metric equivalent
for this sign is:

SIZE	
1	
2	525 mm X 375 mm
3	750 mm X 525 mm
4	750 mm X 525 mm
5	750 mm X 525 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																												
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20	0.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40	0.20

STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/16/10 PLATE NO. M2-1.10

PROJECT NO: HWY: COUNTY: SHEET NO: 48 E

7

Metric equivalent
for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 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 sq. m.
1																												
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8												4.0	.36
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14												9.0	.81
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14												9.0	.81
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14												9.0	.81

PROJECT NO:

HWY:

COUNTY:

FILE NAME : C:\Users\Projects\tr_std\plate\M15A.DGN

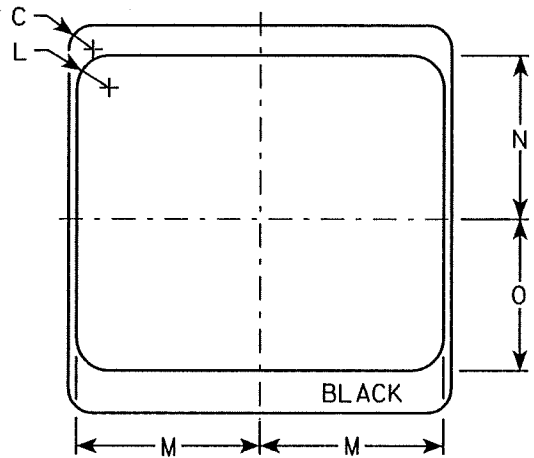
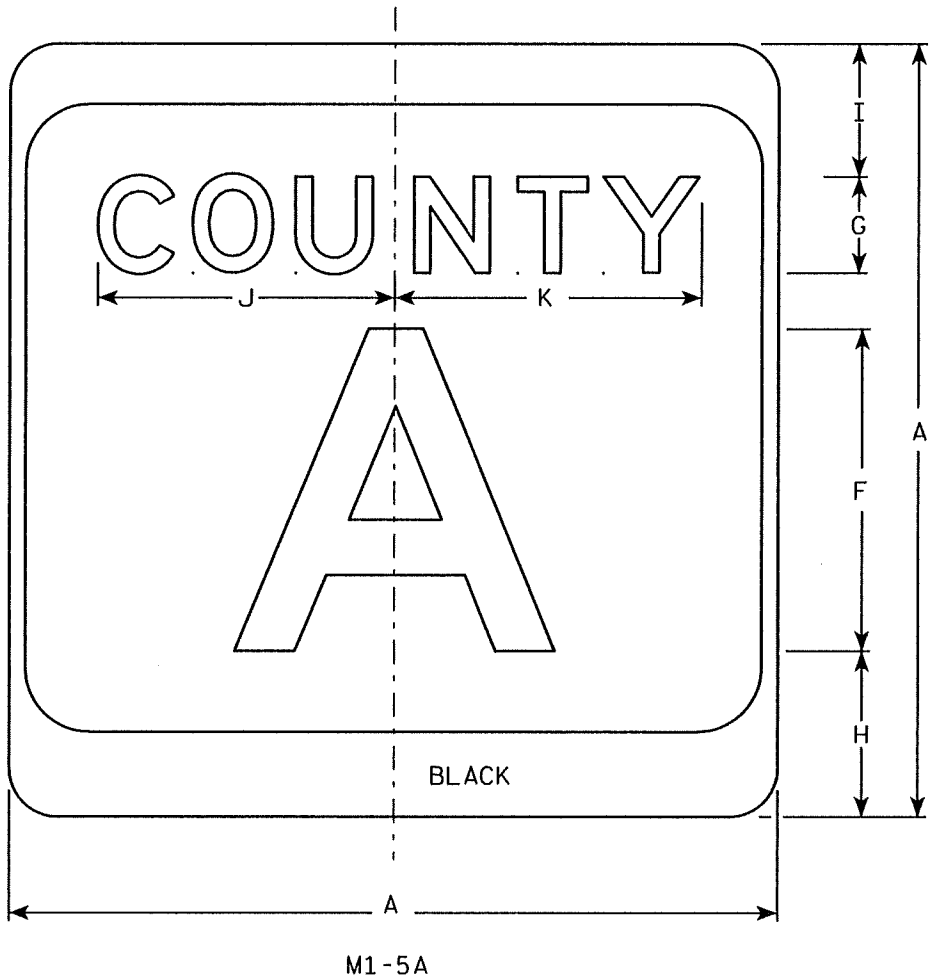
PLOT DATE : 13-OCT-2005 14:53

PLOT BY : DITJPH

PLOT NAME :

PLOT SCALE : 5.960833:1.000000

WISDOT/CADDs SHEET 42

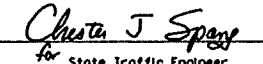


NOTES

- Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - White & Black - See Note 7
Message - Black
- Message Series - see Note 5
- 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.
- Message Series E for 1 letter.
Message Series D for 2 letters unless message is too big then Series C.
Message Series C for 3 letters unless message is too big then Series B.
- Substitute appropriate letters & optically adjust spacing to achieve proper balance.
- Permanent Signs
Background - Type H Reflective
Detour or temporary Signs
Background - Reflective

CTH MARKER
M1-5A FOR ASSEMBLIES

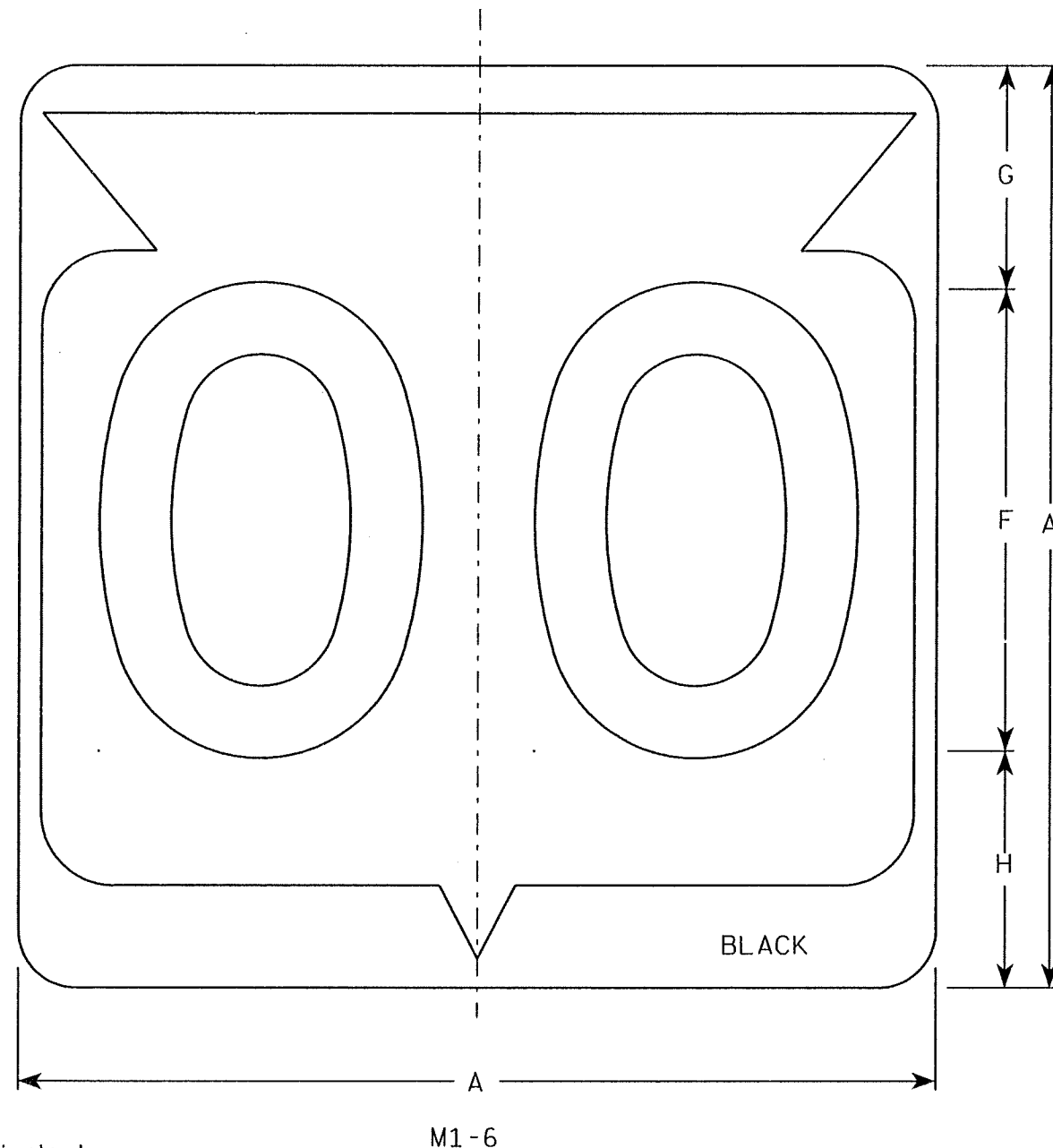
WISCONSIN DEPT OF TRANSPORTATION

APPROVED 
for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-5A.7

SHEET NO: 49

E



M1-6

Metric equivalent
for this sign is:

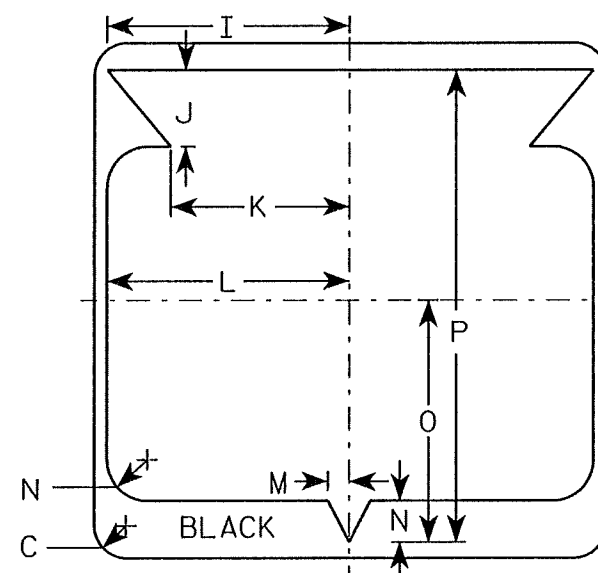
SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

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 m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

PROJECT NO:	HWY:	COUNTY:	SHEET NO: 50	E
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NOTES

- Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - White & Black - See Note 6
Message - Black
- Message Series - See note 5
- 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.
- Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
- Permanent Signs
Background - Type H Reflective
Detour or temporary Signs
Background - Reflective



STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

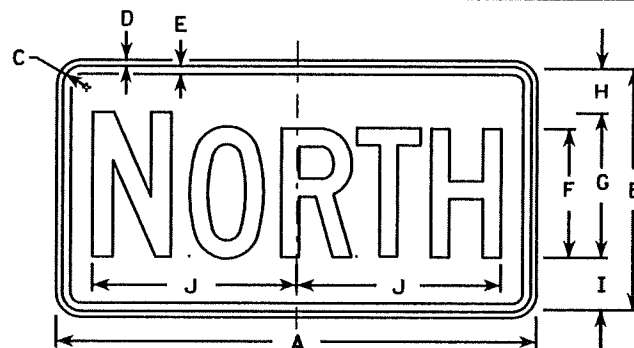
WISCONSIN DEPT OF TRANSPORTATION

APPROVED

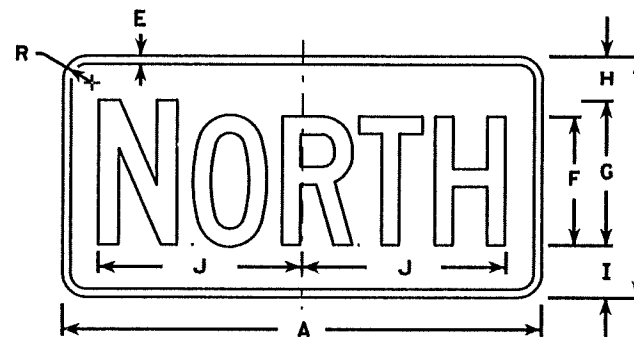
Chester J. Spang
for State Traffic Engineer

DATE 3/20/02

PLATE NO. M1-6.9



M3-1
MK3-1
M03-1



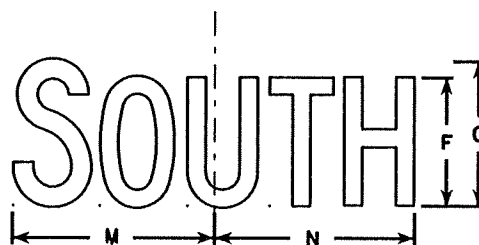
MB3-1
MG3-1
MM3-1
MN3-1



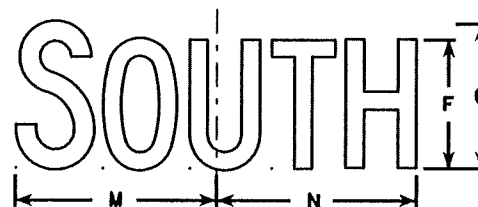
M3-2
MK3-2
M03-2



MB3-2
MG3-2
MM3-2
MN3-2



M3-3
MK3-3
M03-3



MB3-3
MG3-3
MM3-3
MN3-3



M3-4
MK3-4
M03-4



MB3-4
MG3-4
MM3-4
MN3-4

NOTES

- All Signs Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - See note 5
Message - See note 5
- Message Series - C
- 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.
- M3-1 thru M3-4 Background - White - Type H Reflective
(Detour or temporary signs - Reflective)
Message - Black
MB3-1 thru MB3-4 Background - Blue
Message - White - Type H Reflective
(Detour or temporary signs - Reflective)
MG3-1 thru MG3-4 Background - Green
Message - White - Type H Reflective
MK3-1 thru MK3-4 Background - Green
Message - White - Type H Reflective
MM3-1 thru MM3-4 Background - White - Type H Reflective
Message - Green
MN3-1 thru MN3-4 Background - Brown
Message - White - Type H Reflective
M03-1 thru M03-4 Background - Orange - Reflective
Message - Black
- Note the first letter of each direction is larger than the remainder of the message.

Metric equivalent
for this sign is:

SIZE	
1	
2	600 mm X 300 mm
3	750 mm X 375 mm
4	750 mm X 375 mm
5	750 mm X 375 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 sq. m.
1																												
2	24	12	1 1/8	3/8	1/2	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00	0.18
3	30	15	1 1/8	3/8	1/2	8	9	2 3/4	3 1/4	12 3/4	10 3/8	11 1/8	12 5/8	12 1/2	11 5/8			1 1/2									3.13	0.28
4	30	15	1 1/8	3/8	1/2	8	9	2 3/4	3 1/4	12 3/4	10 3/8	11 1/8	12 5/8	12 1/2	11 5/8			1 1/2									3.13	0.28
5	30	15	1 1/8	3/8	1/2	8	9	2 3/4	3 1/4	12 3/4	10 3/8	11 1/8	12 5/8	12 1/2	11 5/8			1 1/2									3.13	0.28

PROJECT NO:

HWY:

COUNTY:

STANDARD SIGNS
M3-1 thru M3-4
SERIES

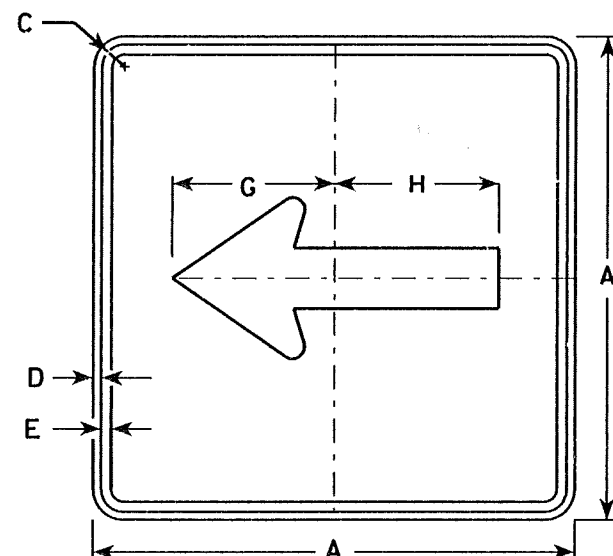
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

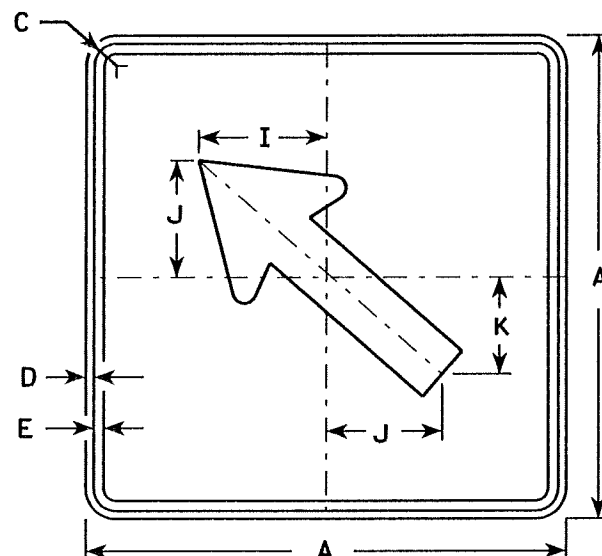
DATE 3/16/10 PLATE NO. M3-1.11

SHEET NO: 51

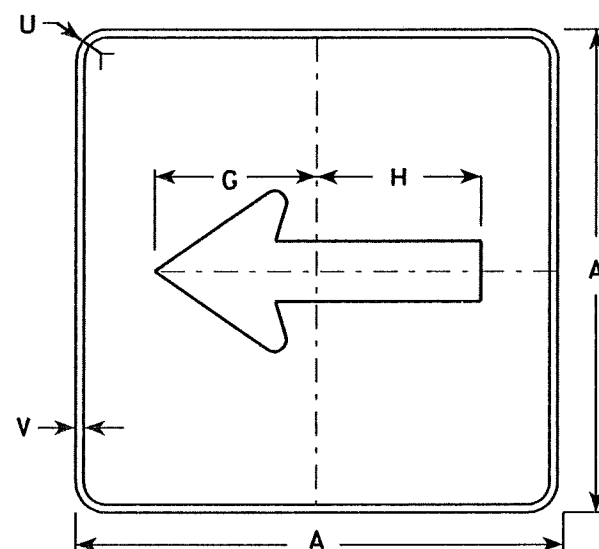
E



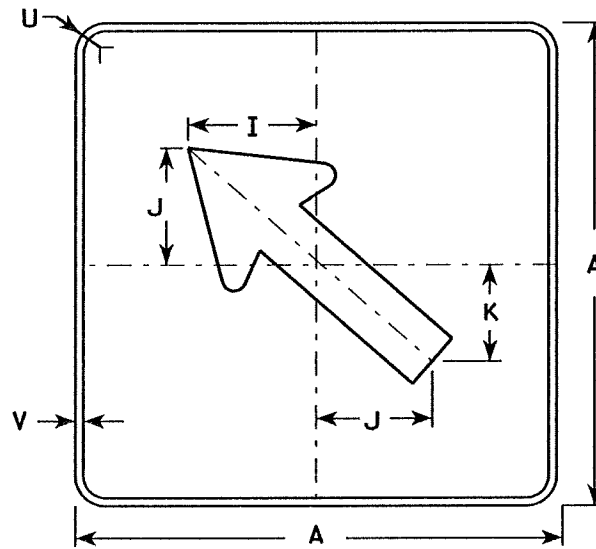
M6-1
MK6-1
MM6-1
MO6-1
MR6-1



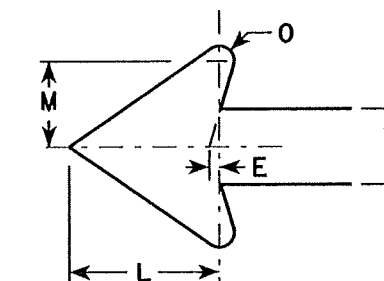
M6-2
MK6-2
MM6-2
MO6-2
MR6-2



MB6-1
MG6-1
MN6-1



MB6-2
MG6-2
MN6-2



NOTES

- Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - See note 4
Message - See note 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.
- M6-1 and M6-2 Background - White - Type H Reflective
(Detour or temporary Signs - Reflective)
Message - Black
MB6-1 and MB6-2 Background - Blue
Message - White - Type H Reflective
(Detour or temporary Signs - Reflective)
MG6-1 and MG6-2 Background - Green
Message - White - Type H Reflective
MK6-1 and MK6-2 Background - Green
Message - White - Type H Reflective
MM6-1 and MM6-2 Background - White - Type H Reflective
Message - Green
MN6-1 and MN6-2 Background - Brown
Message - White - Type H Reflective
MO6-1 and MO6-2 Background - Orange - Reflective
Message - Black
MR6-1 and MR6-2 Background - Brown
Message - Yellow - Type H Reflective

Metric equivalent
for this sign is:

SIZE	
1	
2	525 mm X 525 mm
3	750 mm X 750 mm
4	750 mm X 750 mm
5	750 mm X 750 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																												
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06	0.28
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56

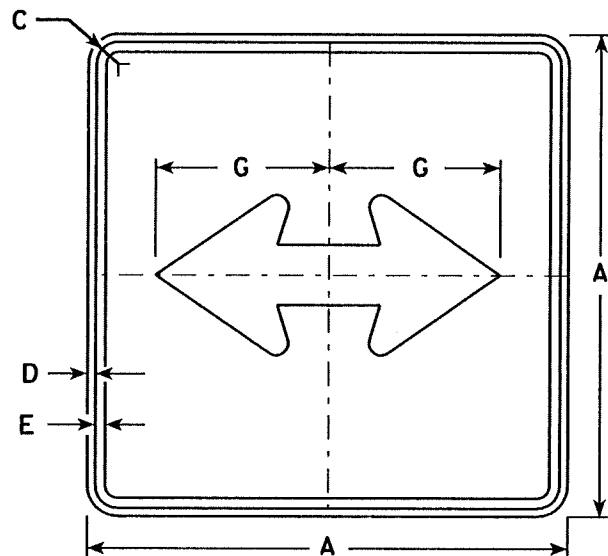
PROJECT NO: HWY: COUNTY: SHEET NO: 52 E

STANDARD SIGN
M6-1 & M6-2
SERIES

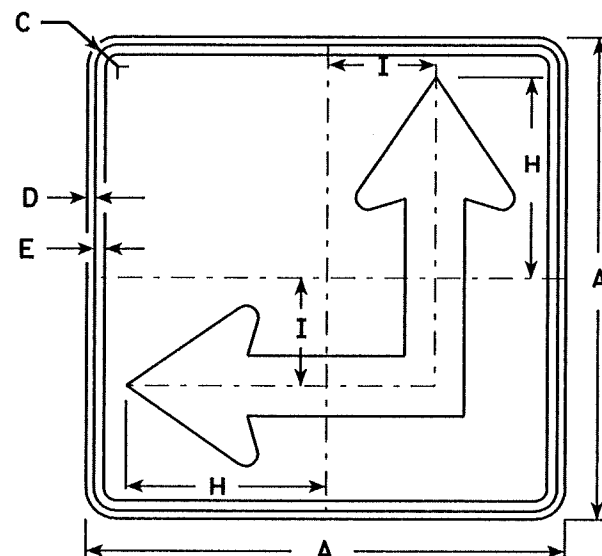
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

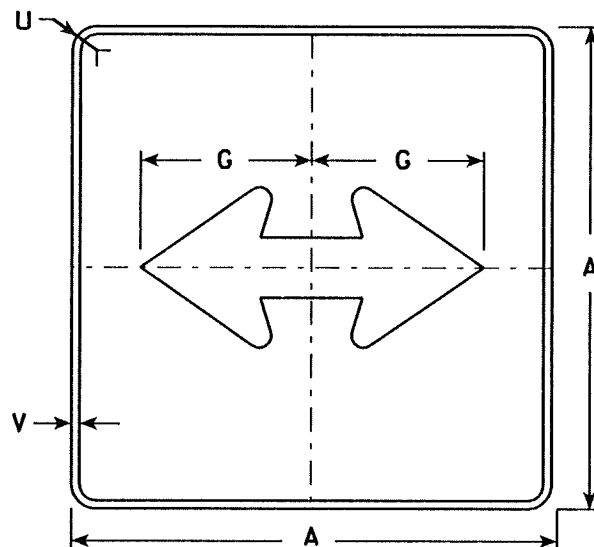
DATE 3/16/10 PLATE NO. M6-1.12



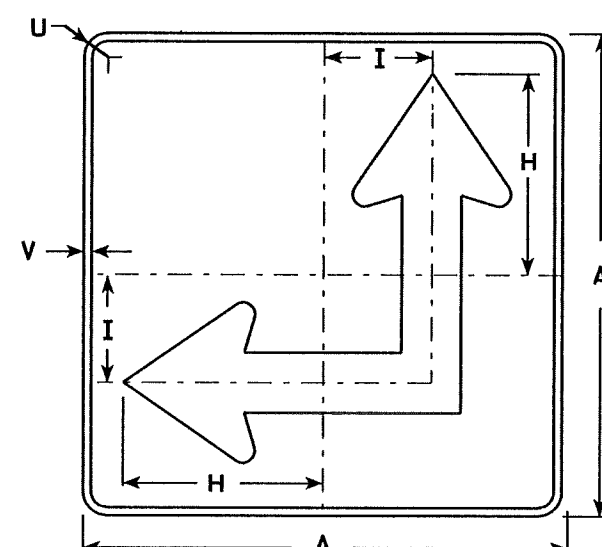
M6-4
MK6-4
MM6-4
MO6-4
MR6-4



M6-6
MK6-6
MM6-6
MO6-6
MR6-6



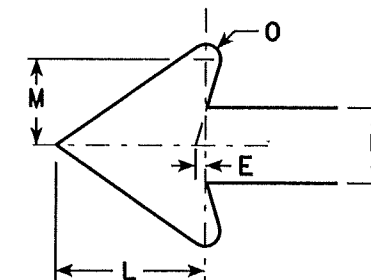
MB6-4
MG6-4
MN6-4



MB6-6
MG6-6
MN6-6

NOTES

- Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - See Note 4
Message - See Note 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.
- M6-4 and M6-6 Background - White - Type H Reflective
(Detour or temporary Signs - Reflective)
Message - Black
MB6-4 and MB6-6 Background - Blue
Message - White - Type H Reflective
(Detour or temporary Signs - Reflective)
MG6-4 and MG6-6 Background - Green
Message - White - Type H Reflective
MK6-4 and MK6-6 Background - Green
Message - White - Type H Reflective
MM6-4 and MM6-6 Background - White - Type H Reflective
Message - Green
MN6-4 and MN6-6 Background - Brown
Message - White - Type H Reflective
MO6-4 and MO6-6 Background - Orange - Reflective
Message - Black
MR6-4 and MR6-6 Background - Brown
Message - Yellow - Type H Reflective
- M6-6R same as M6-6L except arrow points ahead and right.



Metric equivalent
for this sign is:

SIZE	
1	
2	525 mm X 525 mm
3	750 mm X 750 mm
4	750 mm X 750 mm
5	750 mm X 750 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 sq. m.
1																												
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06	0.28
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25	0.56

PROJECT NO:

HWY:

COUNTY:

STANDARD SIGN M6-4 & M6-6 SERIES

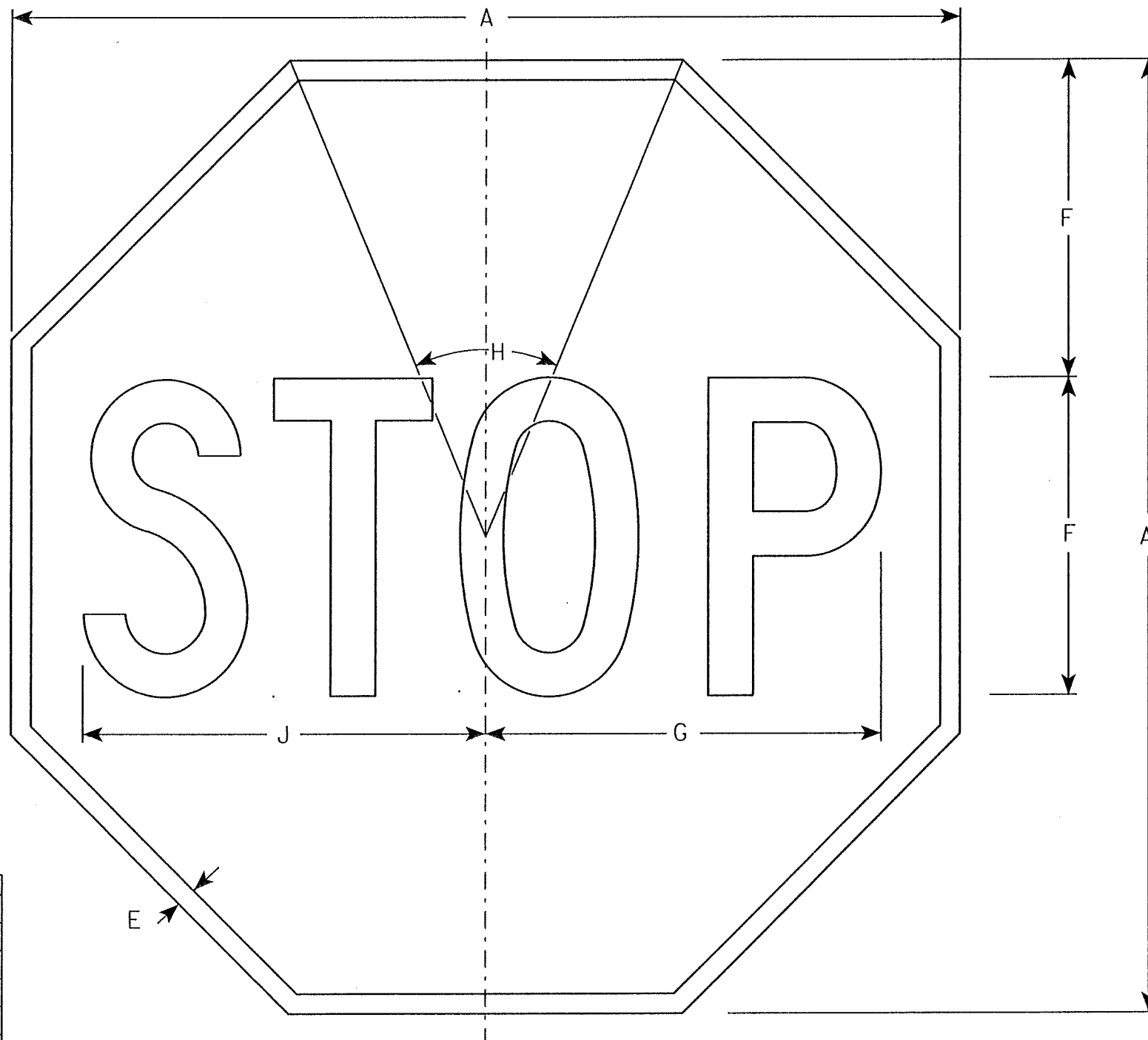
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/16/10 PLATE NO. M6-4.7

SHEET NO: 53

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

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	1200 mm X 1200 mm
5	1200 mm X 1200 mm
6	450 mm X 450 mm
7	300 mm X 300 mm

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.	Area sq. m.
1	24				3/8	8	10	45°		10 1/4																	3.31	0.31
2	30				5/8	10	12 1/2	45°		12 3/4																	5.18	0.48
3	36				3/4	12	15	45°		15 3/8																	7.46	0.69
4	48				1	16	20	45°		20 1/2																	13.25	1.23
5	48				1	16	20	45°		20 1/2																	13.25	1.23
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86	0.17
7	12				1/4	4	5	45°		5 1/8																	0.78	0.07

STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 10/15/98

PLATE NO. R1-1.11

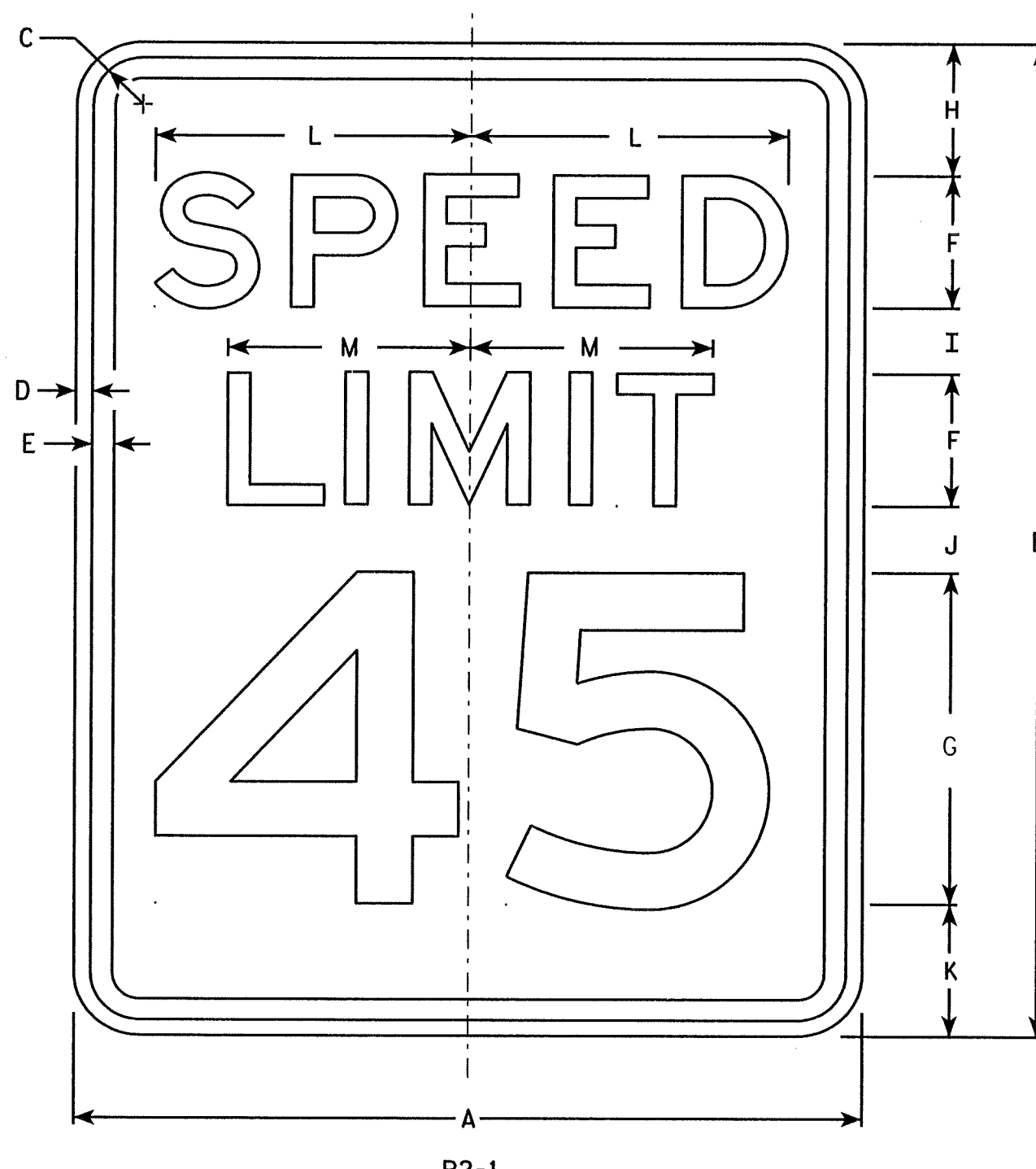
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 54

E



NOTES

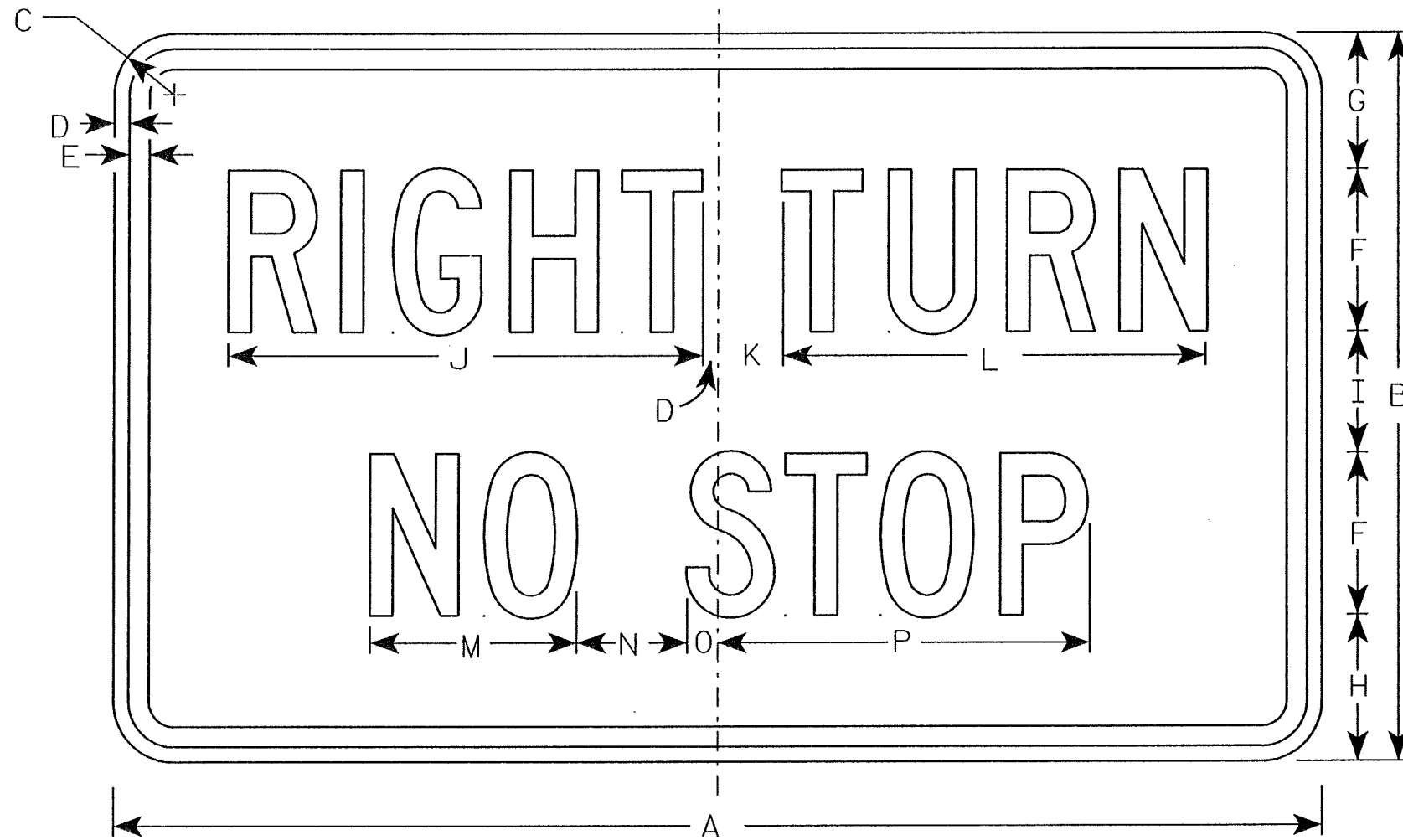
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as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

Metric equivalent for this sign is:

SIZE	
1	450 mm X 600 mm
2	600 mm X 750 mm
3	900 mm X 1200 mm
4	900 mm X 1200 mm
5	1200 mm X 1500 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 sq.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0	.28
2	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	.46
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0	1.11
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0	1.11
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	1.86

STANDARD SIGN R2-1	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 7/05/05	PLATE NO. R2-1.12



R1-51

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 - C
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.

Metric equivalent
for this sign is:

SIZE	
1	
2	750 mm X 450 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area sq. m.
1																												
2	30	18	1 1/2	3/8	1/2	4	3 3/8	3 5/8	3	11 3/4	1 5/8	10 1/2	5 1/8	2 3/4	3/4	9 1/4											3.75	0.34
3																												
4																												
5																												

STANDARD SIGN
R1-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Christa J. Spengler
for State Traffic Engineer

DATE 2/01/02

PLATE NO. R1-51.7

PROJECT NO:

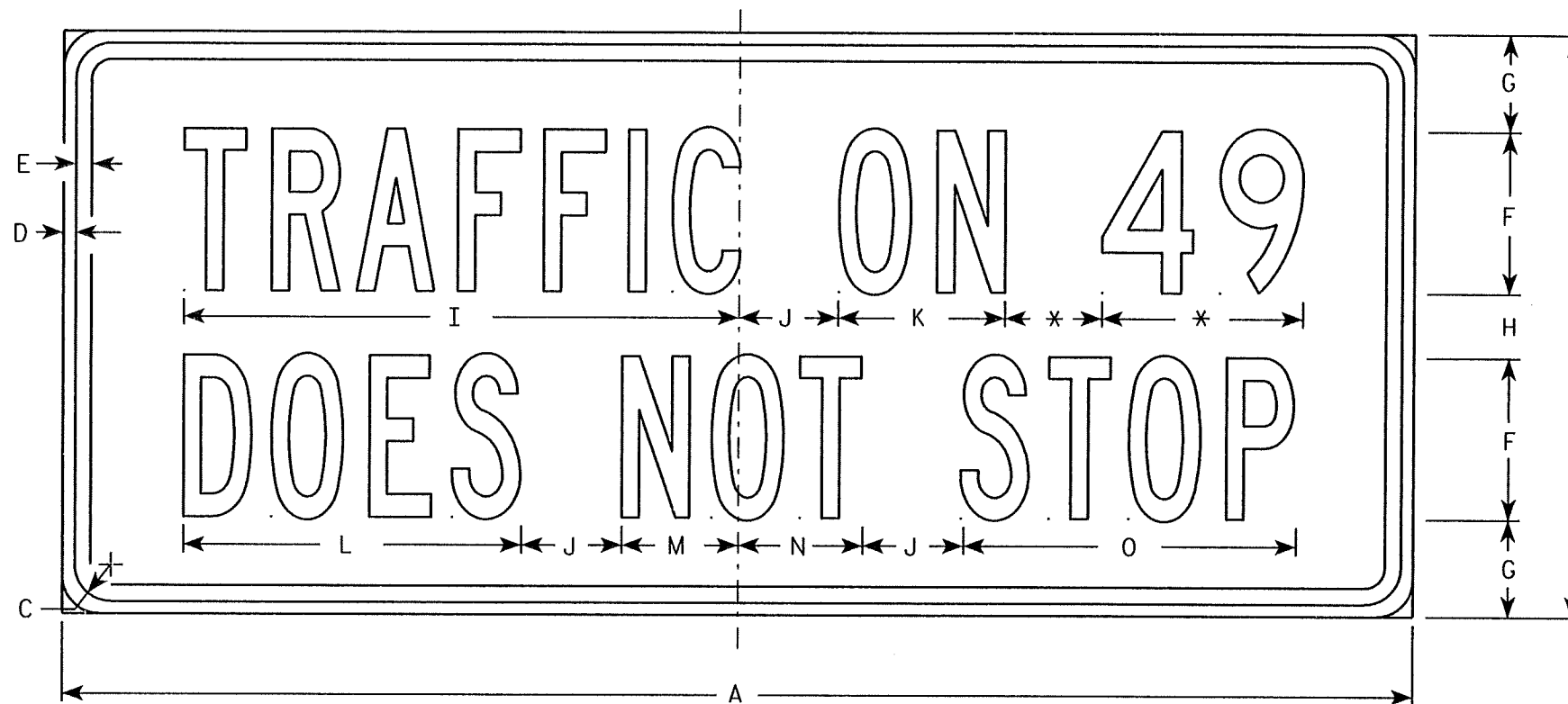
HWY:

COUNTY:

SHEET NO: 56

E

57.59.59.00.61.62.63



R1-52

* VARIES

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 - B (See note 5)
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Highway Number usually Series D. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

7

Metric equivalent
for this sign is:

SIZE	
1	600 mm X 300 mm
2	900 mm X 375 mm
3	1050 mm X 450 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m ²
1	24	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	10 3/8	1 1/2	3 1/8	6 1/4	2 1/4	2 1/4	6 1/4												2.0	0.18
2	36	15	1 1/8	3/8	1/2	4	2 5/8	1 3/4	13 7/8	2 3/8	4 1/4	8 3/8	3	3 1/8	8 3/8												3.75	0.34
3	42	18	1 1/8	3/8	1/2	5	3	2	17 1/4	3 1/8	5 1/8	10 1/2	3 5/8	3 7/8	10 3/8												5.25	0.47
4																												
5																												

STATE PROJECT NUMBER:

HWY:

COUNTY:

STANDARD SIGN
R1-52

WISCONSIN DEPT OF TRANSPORTATION

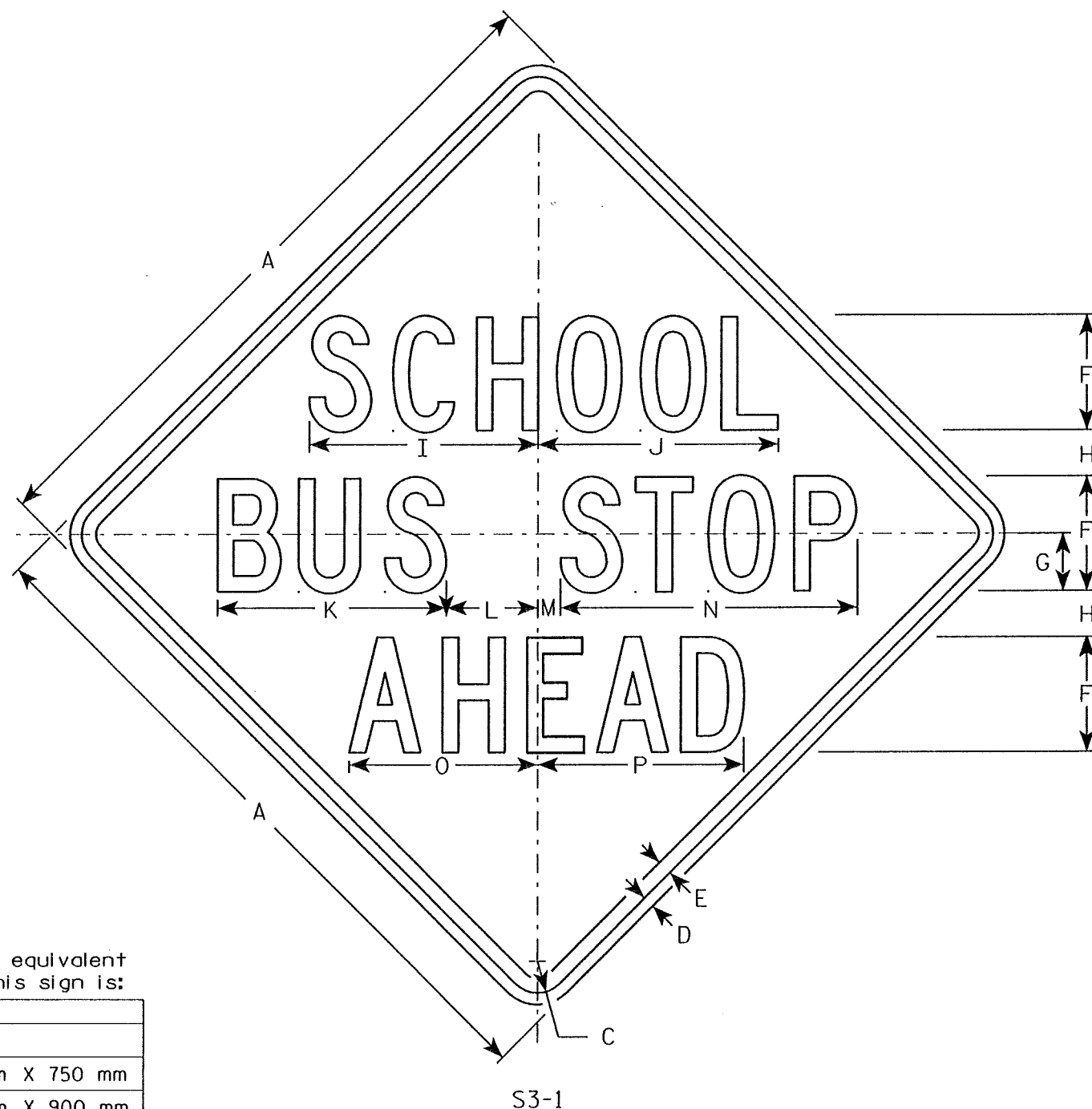
APPROVED

Christa J. Spang
for State Traffic Engineer

DATE 2/01/02 PLATE NO. R1-52.6

SHEET NO: 57

E



NOTES

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

Metric equivalent
for this sign is:

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m ²
1																												
2	30		1 ³ / ₈	1/2	5/8	5	2 1/2	2	10	10 1/2	10	4	1	13	8 1/4	9											6.25	0.56
3	36		1 ⁵ / ₈	5/8	3/4	6	3	3	11 ³ / ₄	12 ³ / ₄	12 1/2	4 1/2	1 1/2	15 1/2	10	11											9.0	0.81
4	48		2 1/4	3/4	1	8	3 1/4	3 1/4	16	17	16	6 ³ / ₈	1 ⁵ / ₈	20 ⁷ / ₈	13 1/4	14 1/4											16.0	1.44
5																												

STANDARD SIGN S3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Christa J. Spang
for State Traffic Engineer

DATE 2/14/02

PLATE NO. S3-1.5

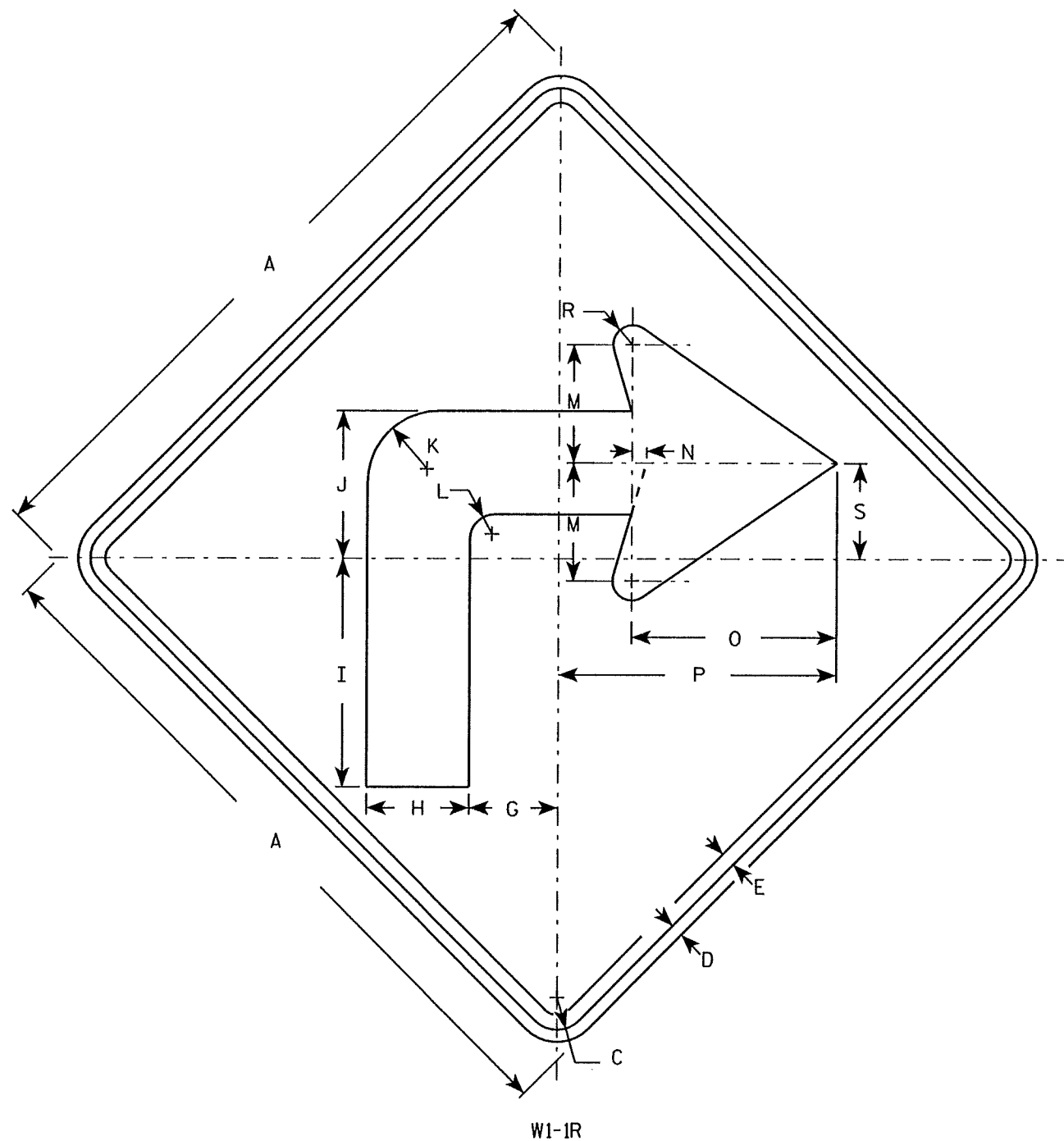
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 58

E



NOTES

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

Metric equivalent for this sign is:

SIZE	
1	600 mm X 600 mm
2	900 mm X 900 mm
3	900 mm X 900 mm
4	1200 mm X 1200 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		3	3 1/2	7 3/4	5	2 1/2	7/8	4	1/2	7	9 1/2		5/8	3 1/4								4.0	0.36
2	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0	0.81
3	36		1 5/8	5/8	3/4		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0	0.81
4	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0	1.44
5	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0	1.44

STANDARD SIGN W1-1

WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 11/10/05 PLATE NO. W1-1.9

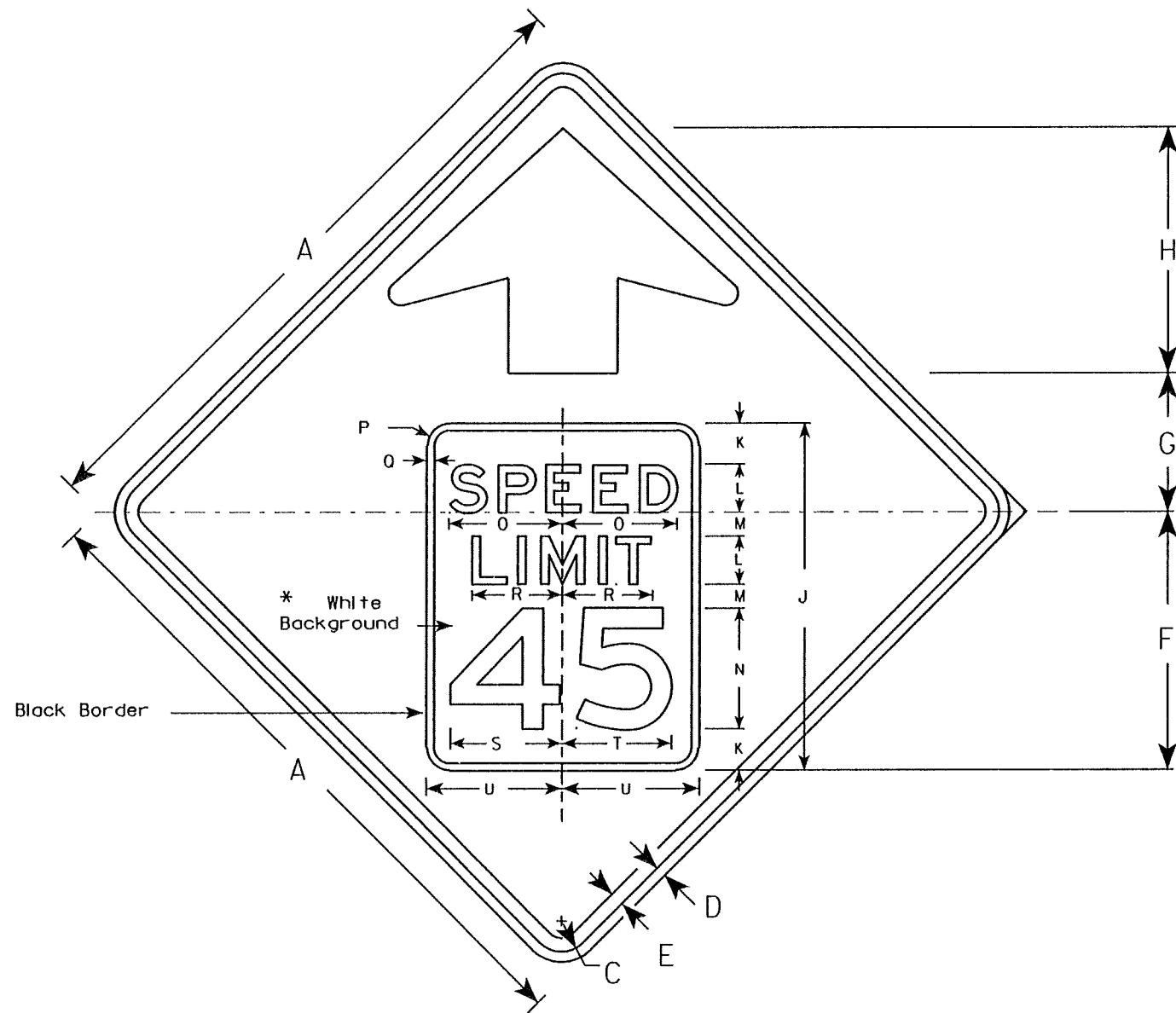
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 59

E



W3-5

Metric equivalent
for this sign is:

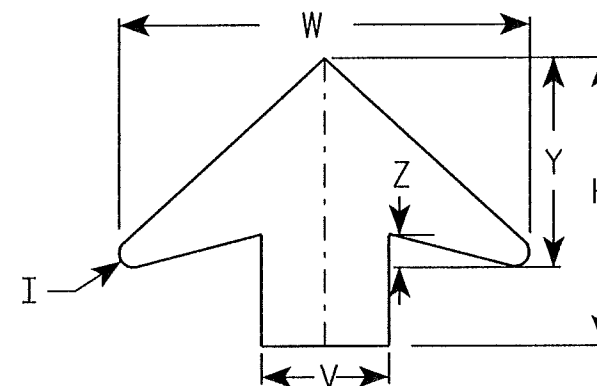
SIZE	
1	
2	900 mm X 900 mm
3	1200 mm X 1200 mm
4	1200 mm X 1200 mm
5	1200 mm X 1200 mm

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 sq. m.
1																												
2	36		1 5/8	5/8	3/4	14 1/8	7 1/2	13 1/2	5/8	19	2 1/4	2 5/8	1 3/8	6 1/2	6 1/4	1 1/2	3/8	4 7/8	6 1/4	6	7 1/2	6	19 1/4		9 3/4	1 5/8	9.0	0.81
3	36		1 5/8	5/8	3/4	14 1/8	7 1/2	13 1/2	5/8	19	2 1/4	2 5/8	1 3/8	6 1/2	6 1/4	1 1/2	3/8	4 7/8	6 1/4	6	7 1/2	6	19 1/4		9 3/4	1 5/8	9.0	0.81
4	48		2 1/4	3/4	1	18 3/4	10 1/8	17 7/8	7/8	25 1/4	3	3 1/2	1 3/4	8 3/4	8 3/8	1 5/8	1/2	6 5/8	8 1/4	8	10	8	25 5/8		13	2	16.0	1.44
5	48		2 1/4	3/4	1	18 3/4	10 1/8	17 7/8	7/8	25 1/4	3	3 1/2	1 3/4	8 3/4	8 3/8	1 5/8	1/2	6 5/8	8 1/4	8	10	8	25 5/8		13	2	16.0	1.44

NOTES

1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
Background - YELLOW*
Message - BLACK
3. Message Series - E
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

STANDARD SIGN W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 2/18/04 PLATE NO. W3-5.1

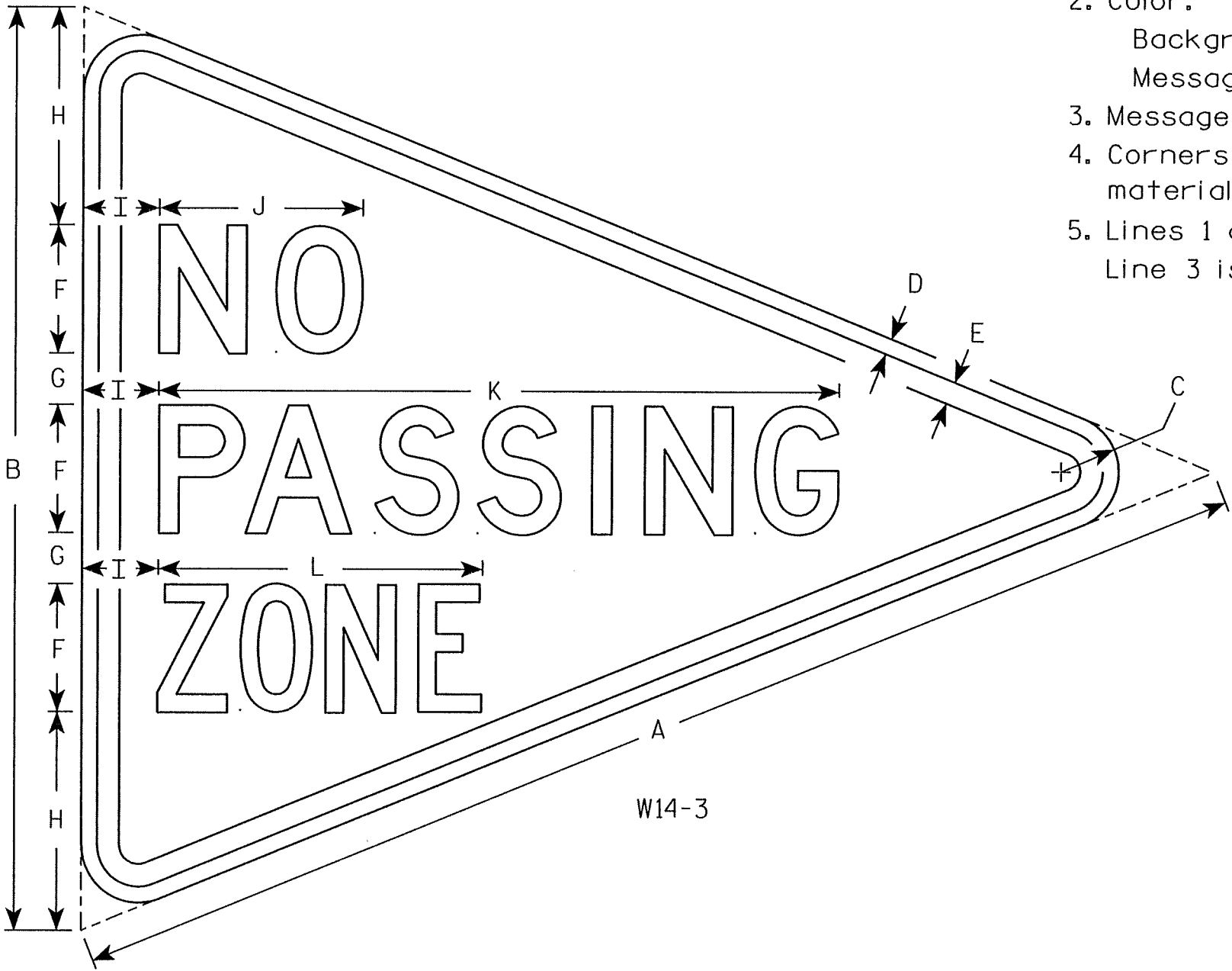
PROJECT NO:

SHEET NO: 60

E

NOTES

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



Metric equivalent
for this sign is:

SIZE	
1	
2	1200 mm X 900 mm
3	1600 mm X 1200 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area sq.
1																												
2	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0	.54
3	64	48	3	3/4	1 1/4	6	3	12	4	10 3/4	33 5/8	16 1/2															10.7	.96
4																												
5																												

PROJECT NO:

HWY:

COUNTY:

STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

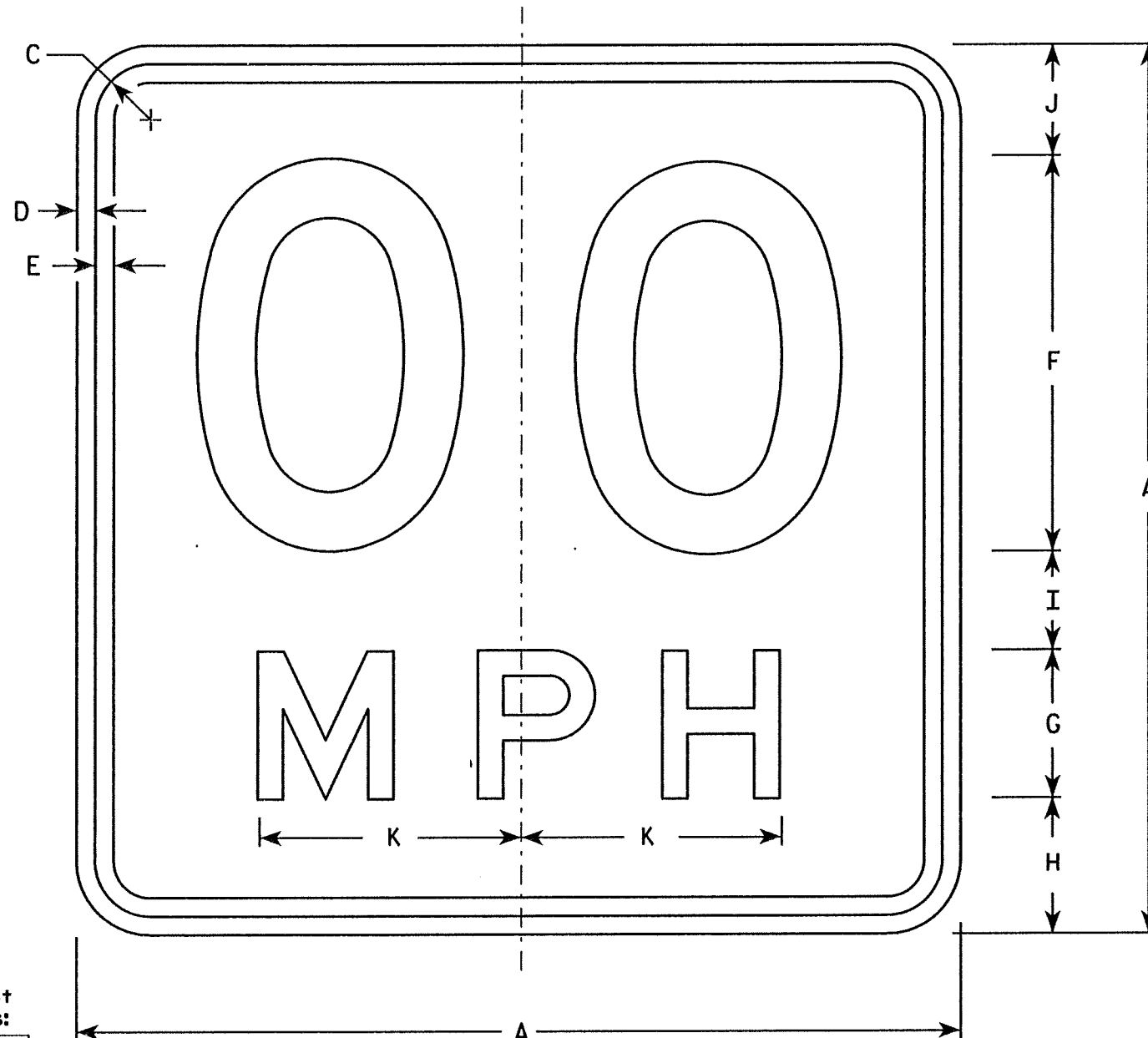
Christa J. Spore
for State Traffic Engineer

DATE 1/21/98

PLATE NO. W14-3.8

SHEET NO: 61

E



NOTES

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

Metric equivalent
for this sign is:

SIZE	
1	450 mm X 450 mm
2	450 mm X 450 mm
3	600 mm X 600 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

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.	Area sq. m.
1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25	0.20
2*	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25	0.20
2*	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00	0.36
3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00	0.36
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00	0.81
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00	0.81

STANDARD SIGN W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/05/06 PLATE NO. W13-1.14

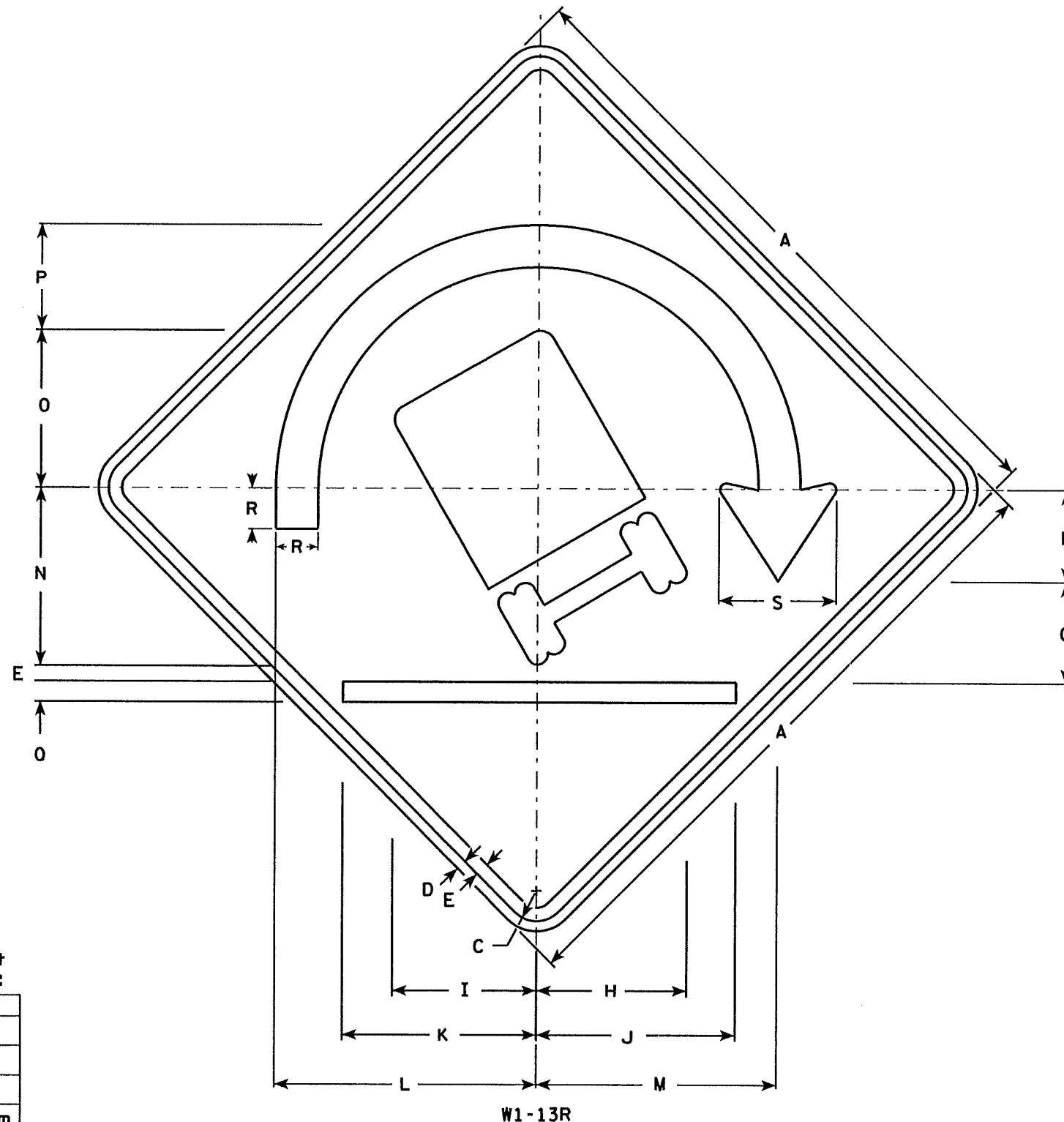
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 62

E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-13L is the same as W1-13R except the arrow points to the left and the trucks tips to the right.

Metric equivalent for this sign is:

SIZE	
1	
2	
3	
4	1200 mm X 1200 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 sq. m.
1																												
2																												
3																												
4	48		2 1/4	3/4	1	6 3/4	7 1/2	11 1/8	10 3/4	14 3/4	14 1/2	19 1/2	22 1/4	13 1/8	11 3/4	7 3/4	1 1/2	3	8 3/4								16.00	1.44
5	48		2 1/4	3/4	1	6 3/4	7 1/2	11 1/8	10 3/4	14 3/4	14 1/2	19 1/2	22 1/4	13 1/8	11 3/4	7 3/4	1 1/2	3	8 3/4								16.00	1.44

STANDARD SIGN W1-13

WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
For State Traffic Engineer
DATE 03/3/10 PLATE NO. W1-13.2

PROJECT NO:

HWY:

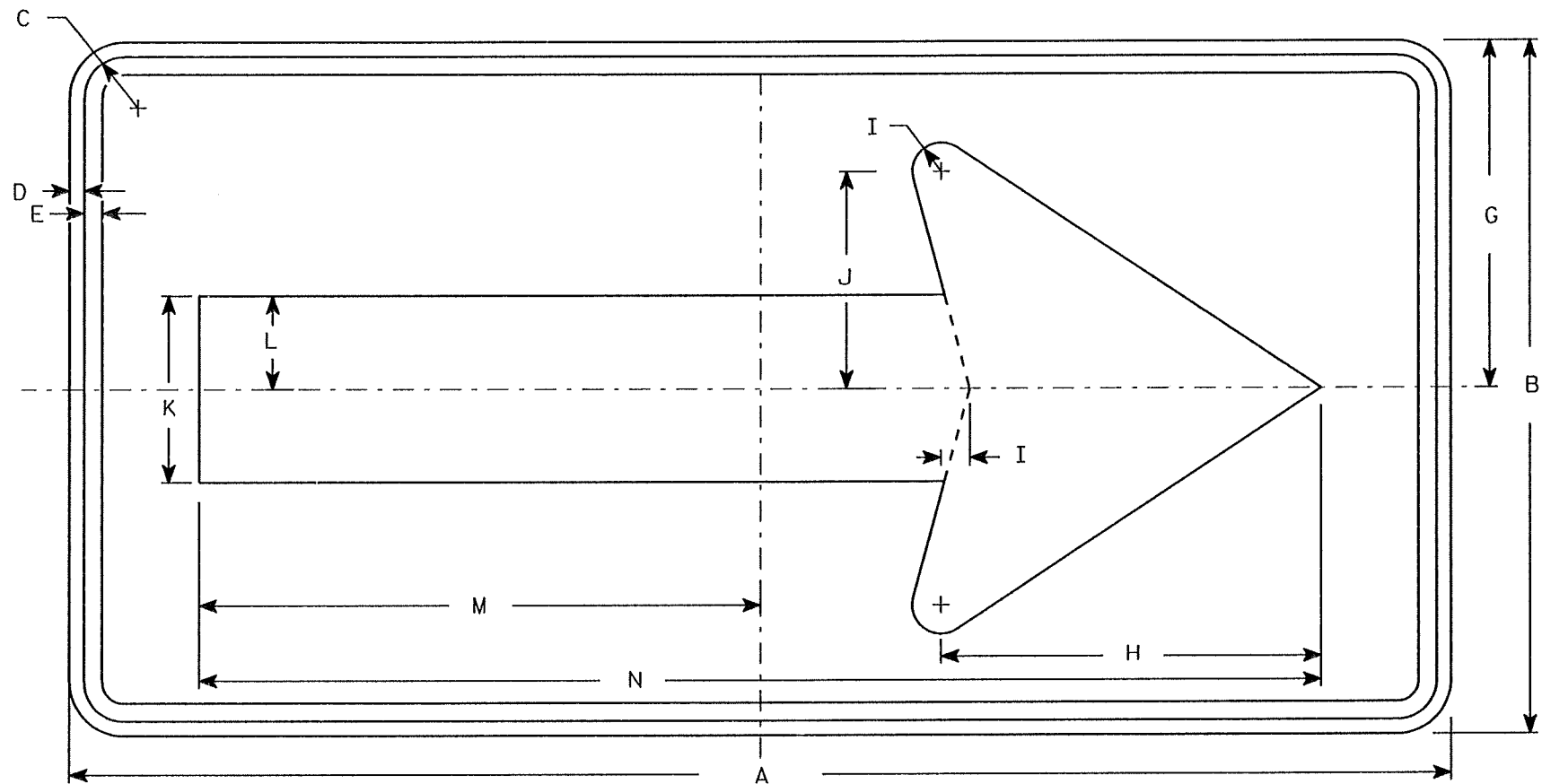
COUNTY:

SHEET NO: 63

E

NOTES

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



W1-6

Metric equivalent
for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1500 mm X 750 mm
4	1500 mm X 750 mm
5	2400 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	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	0.41
2	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	0.72
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	1.13
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	1.13
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0	2.88

STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 1/18/97

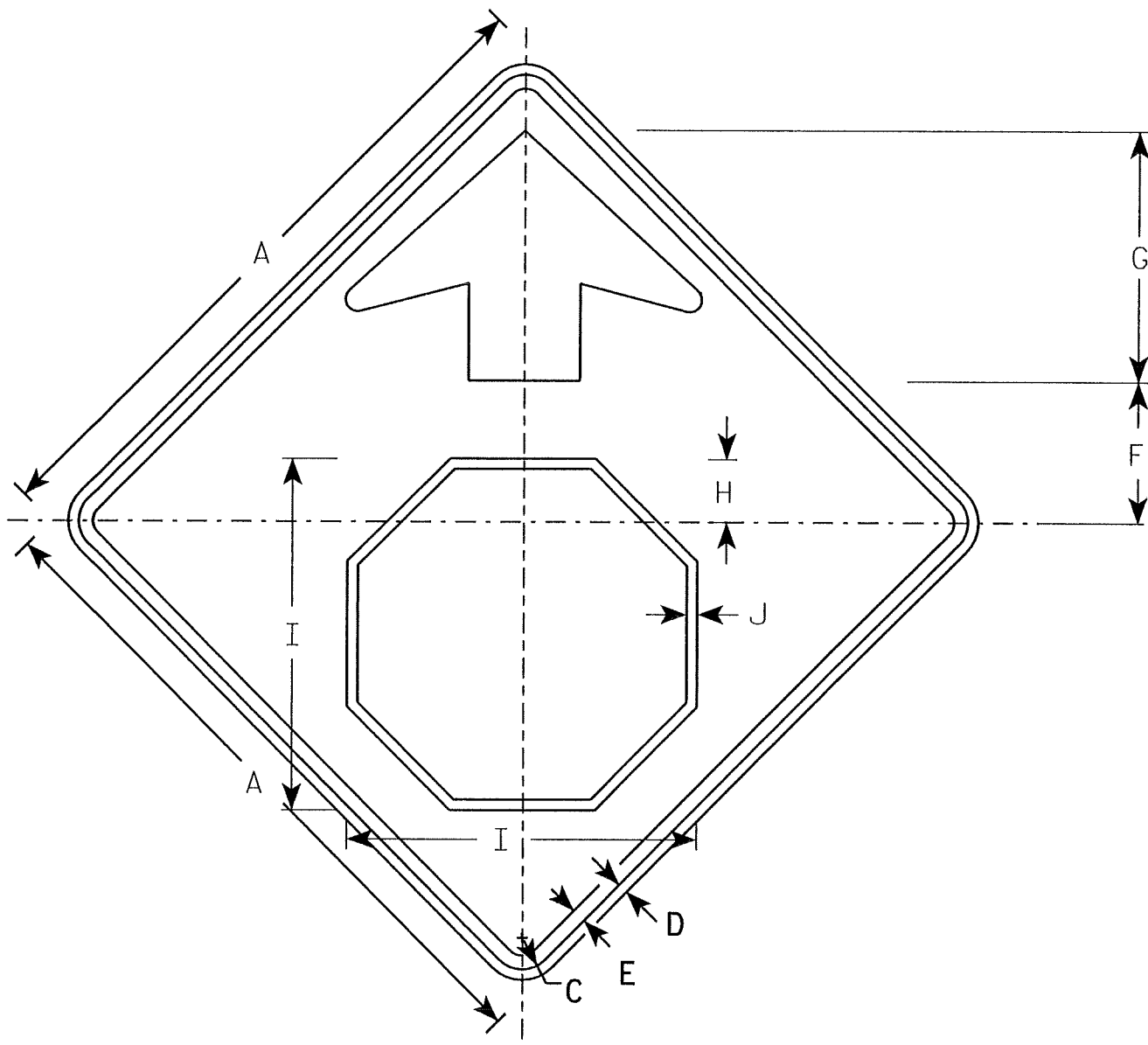
PLATE NO. W1-6.7

PROJECT NO:

HWY:

COUNTY:

SHEET NO: 64



W3-1

NOTES

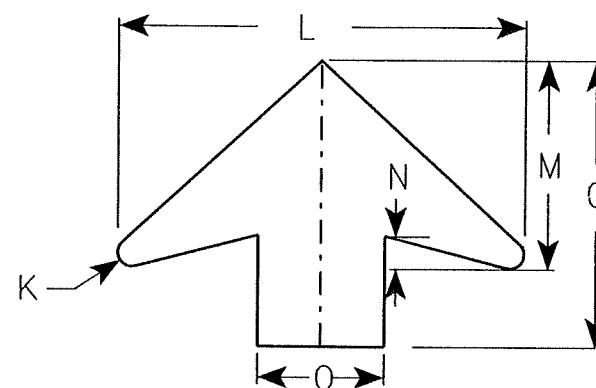
1. All Signs Type II - Type H Reflective - reference
WIS DOT Standard Specification for HIGHWAY
and STRUCTURE CONSTRUCTION latest edition.

2. Color:

Background - YELLOW

Arrow & Border - BLACK

Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

Metric equivalent
for this sign is:

SIZE	
1	750 mm X 750 mm
2	900 mm X 900 mm
3	900 mm X 900 mm
4	1200 mm X 1200 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	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25	0.56
2	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0	0.81
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0	0.81
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0	1.44
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0	1.44

STANDARD SIGN

W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
for State Traffic Engineer

DATE 1/27/05

PLATE NO. W3/1.11

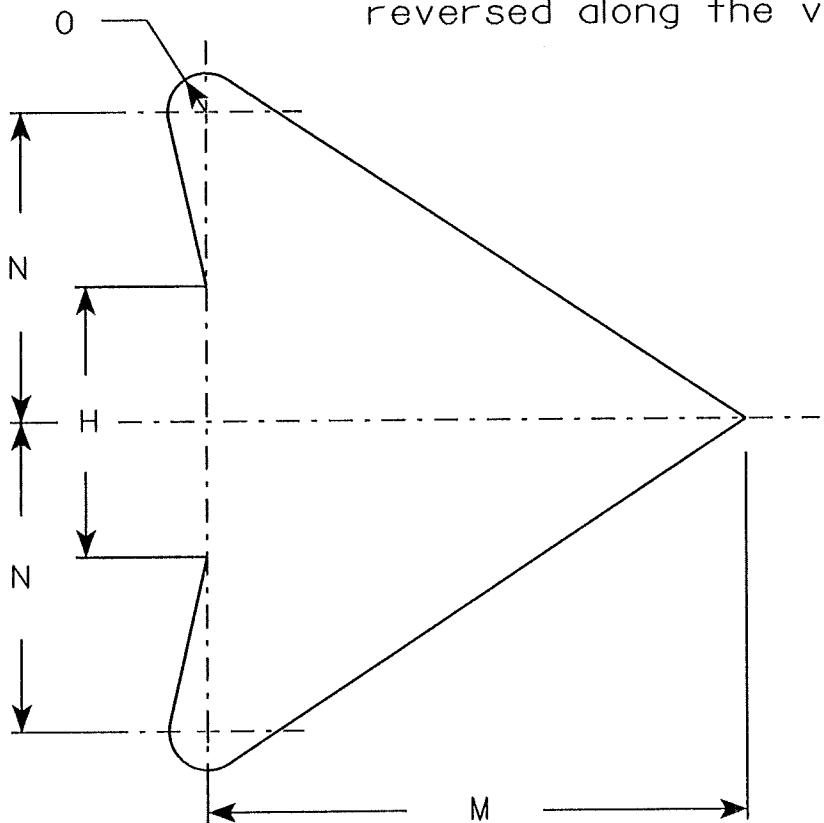
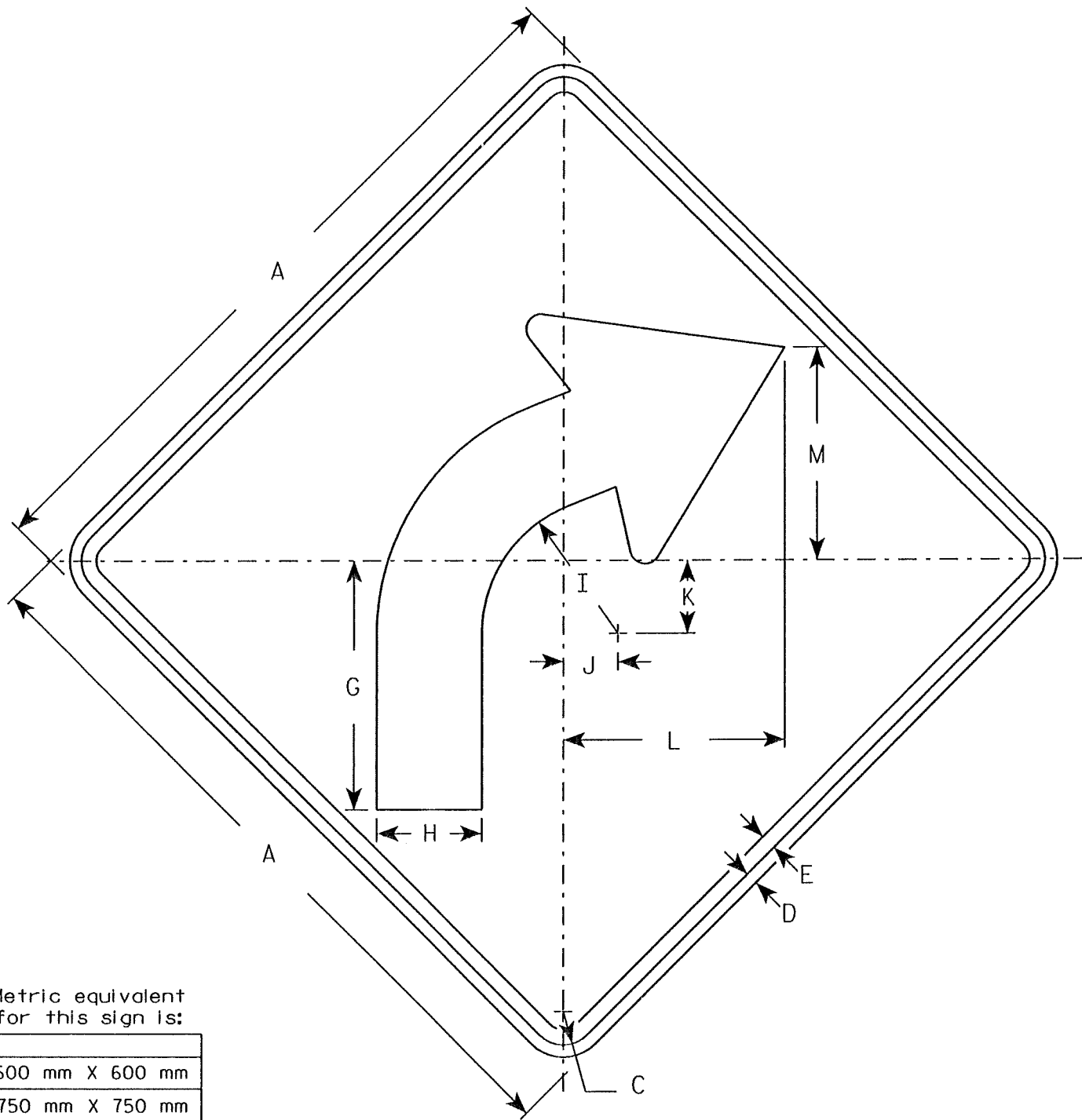
PROJECT NO:

SHEET NO: 65

E

NOTES

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



ARROW DETAIL

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		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0	0.36
2	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	0.56
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	0.81
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	0.81
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	1.44

STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Christa J. Spang
for State Traffic Engineer
DATE 01/14/02 PLATE NO. W1-2.8

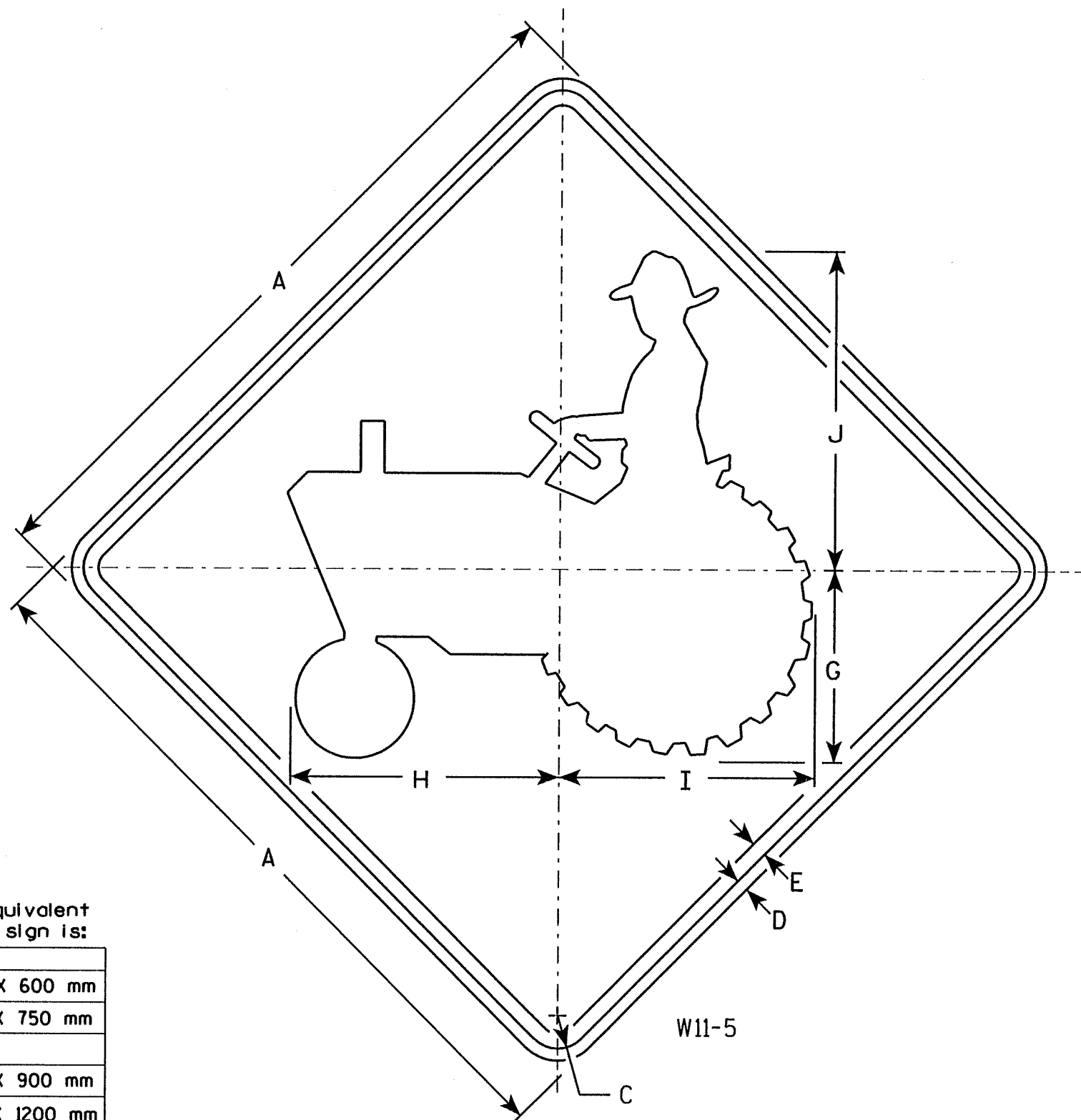
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 66

E



NOTES

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

Metric equivalent
for this sign is:

SIZE	
1	600 mm X 600 mm
2	750 mm X 750 mm
3	
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 sq. m.
1	24		1 1/8	3/8	1/2		6 3/8	9	8 5/8	10 5/8																	4.0	0.36
2	30		1 3/8	1/2	5/8		8	11 1/4	10 3/4	13 1/4																	6.25	0.56
3																												
4	36		1 5/8	5/8	3/4		9 5/8	13 1/2	12 7/8	16																	9.0	0.81
5	48		2 1/4	3/4	1		12 3/4	18	17 1/4	21 1/8																	16.0	1.44

STANDARD SIGN

W11-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Christa J. Spang
for State Traffic Engineer

DATE 01/16/02

PLATE NO. W11-5.4

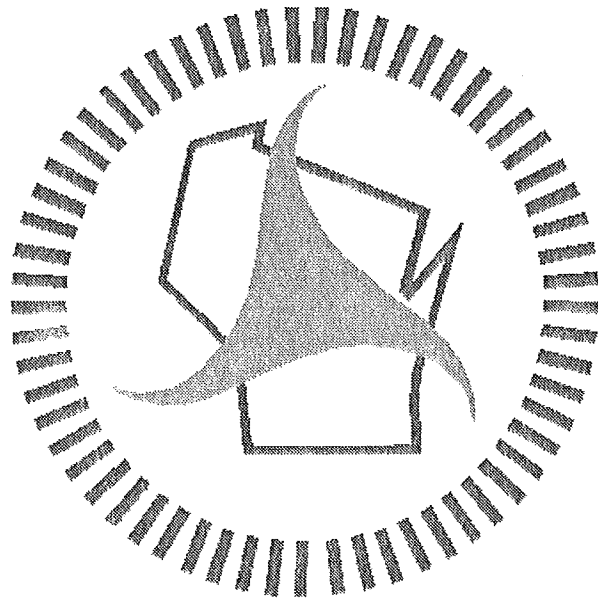
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 67

E



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