

GRE MAY 2013
PROJECT ID: 6190-20-60
WITH:
COUNTY: WINNEBAGO

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

TOTAL SHEETS = 84



DESIGN DESIGNATION

A.A.D.T. (2010)	=	1,200 - 2,100
A.A.D.T. (2019)	=	1,450 - 2,450
D.H.V.	=	N/A
D.D.	=	N/A
T.	=	9.1%
DESIGN SPEED	=	35 MPH - 55 MPH
ESALS	=	146,730

CONVENTIONAL SYMBOLS

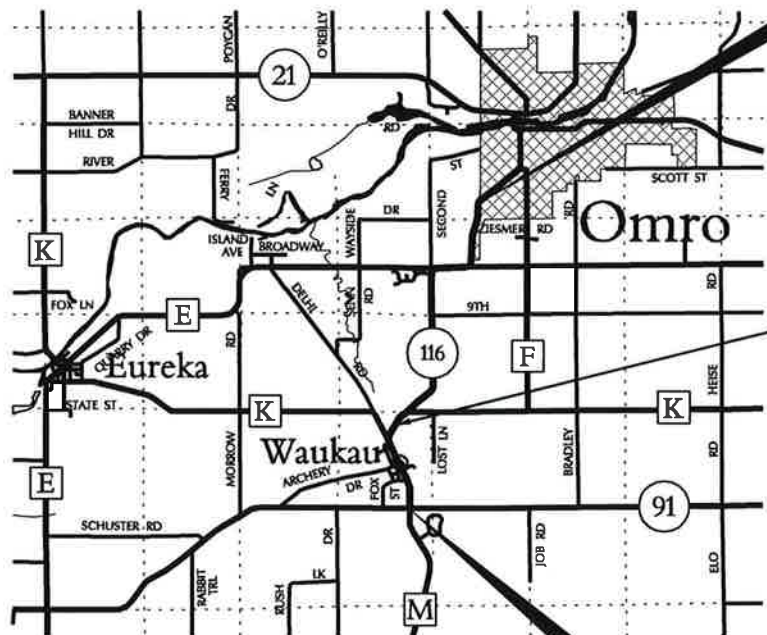
PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT
WAUKAU - OMRO
STH 91 - CITY OF OMRO
STH 116
WINNEBAGO COUNTY

STATE PROJECT NUMBER
6190-20-60



END PROJECT 6190-20-60
STA. 312+25.00

EXCEPTION TO NET C/L LENGTH
STA. 147+50 - STA. 148+12
STRUCTURE B-70-189

BEGIN PROJECT 6190-20-60
STA. 100+00.00
Y • 460516.501
X • 731955.572

LAYOUT
SCALE 0 1.0 MI.

TOTAL NET LENGTH OF CENTERLINE = 4.008 MI.

-"COORDINATES ON THIS PLAN ARE REFERENCED TO AN ASSUMED COORDINATE SYSTEM."

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6190-20-60		

ORIGINAL PLANS PREPARED BY

KL Engineering
[A] Better Experience

WISCONSIN
JEFFREY D. SMITH
E-36291
MADISON WI
PROFESSIONAL ENGINEER

1-13-13 (DATE)
[Signature] (SIGNATURE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	N/A
Designer	KL ENGINEERING, INC.
Project Manager	BILL BERTRAND
Regional Examiner	
Regional Supervisor	REBECCA ROOYAKKERS
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: 1-15-13 *William R. Bertrand*
(Signature)

GENERAL NOTES

COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITES ARE MEMBERS OF DIGGERS HOTLINE. ALL UTILITY FACILITIES WERE NOT FIELD LOCATED AND VERIFIED.

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

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AND APPROVED BY THE ENGINEER.

PROTECT EXISTING LANDMARK REFERENCE MONUMENTS. CONTACT WINNEBAGO COUNTY ZONING OFFICE TO HAVE EXISTING LANDMARK REFERENCE MONUMENTS LOCATED.

REMOVAL OF ANY SURVEY MARKERS REQUIRES APPROVAL OF THE ENGINEER.

THE CONTRACTORS PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING OR TURNING LANE.

TOTAL DEPTH	LAYERS	TYPE	NOMINAL MAX SIZE GRADATION	PERFORMANCE GRADE
2-INCHES	SINGLE	E-1	12.5 mm	PG58-28
4¼-INCHES	2¼-INCH LOWER	E-1	12.5 mm	PG58-28
	2-INCH UPPER	E-1	12.5 mm	PG58-28

UTILITIES

Brian Cieslak
Utica Energy, LLC - Water
4995 State Road 91
Oshkosh, WI 54904
(920) 230-3835
bcieslak@uticaenergy.com

Ted Schmitz
Alliant Energy - Gas/Petroleum
880 N. Wisconsin Street
Berlin, WI 54923
(920) 361-5629
tedschmitz@alliantenergy.com

Ted Schmitz
Alliant Energy - Electricity
880 N. Wisconsin Street
Berlin, WI 54923
(920) 361-5629
tedschmitz@alliantenergy.com

Charles Bartelt
AT&T Wisconsin - Communication Line
70 E Division St
Fond Du Lac, WI 54935
(920) 929-1013
cb1461@att.com

Mike Olsen
ATC Management, Inc. - Electricity
801 O'Keefe Rd
P.O. Box 6113
De Pere, WI 54115-6113
(920) 660-2390
molsen@atc11c.com

DNR LIASON

WISCONSIN DNR
WAUTOMA SERVICE CENTER
ATTN: BOBBI JO FISCHER
427 E. TOWNER DRIVE, SUITE 100
WAUTOMA, WI 54982
920-787-3015
Bobbi.Fischer@wisconsin.gov

WINNEBAGO COUNTY SURVEYOR

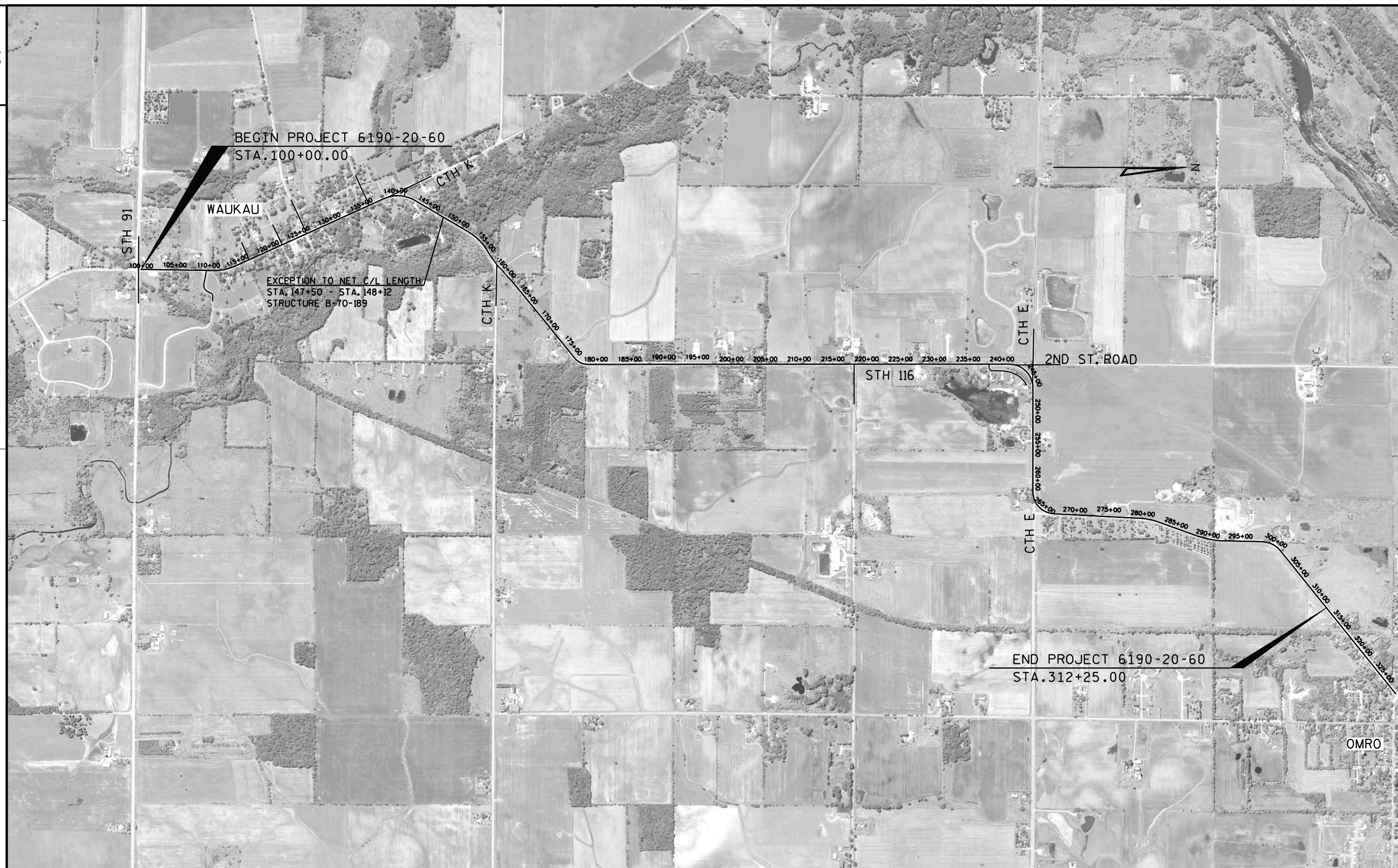
JERRY L. BOUGIE
WINNEBAGO COUNTY COURTHOUSE
448 ALGOMA BLVD.
OSHKOSH, WI 54903-2808
920-232-3339
jbougie@co.winnebago.wi.us

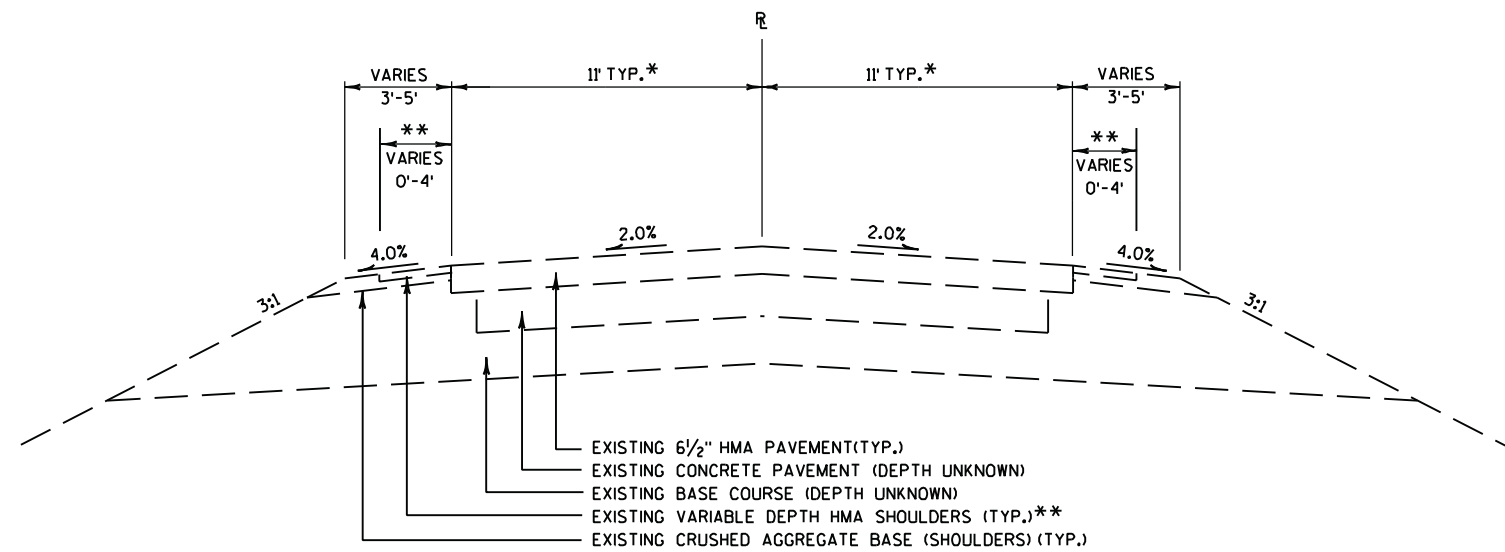
ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
PERMANENT SIGNING
PAVEMENT MARKING
TRAFFIC CONTROL



Call 811 3 Work Days Before You Dig
Or Toll Free (800) 242-8511
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com





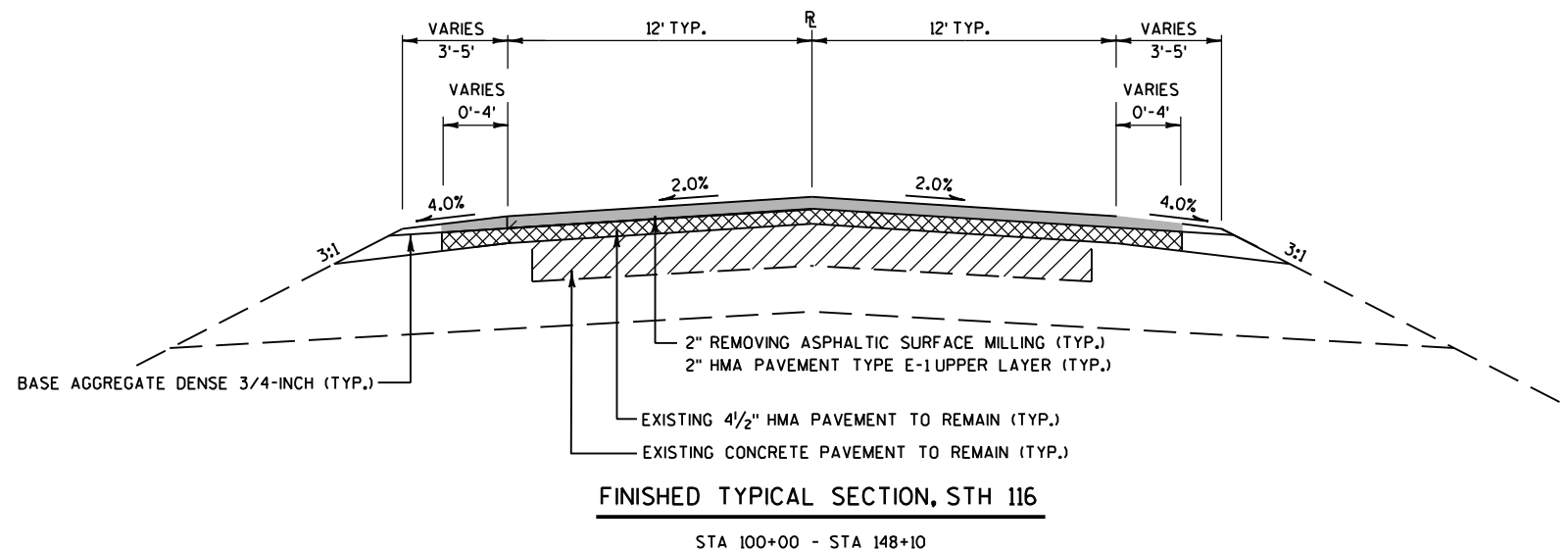
EXISTING TYPICAL SECTION, STH 116

STA 100+00 - STA 312+25

* 12' TYPICAL WIDTH FROM STA 100+00 - STA 158+62

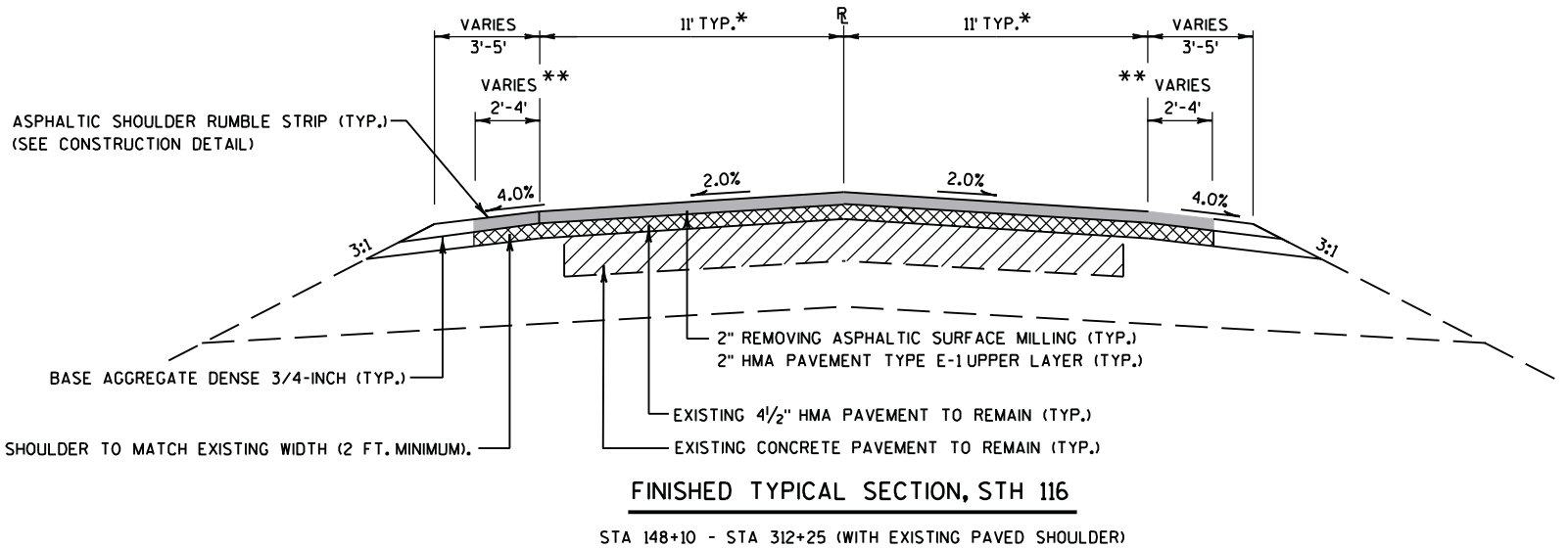
** 0'-4' VARIABLE DEPTH HMA SHOULDER

LEFT	RIGHT
STA 135+76 - STA 147+38	STA 138+14 - STA 146+52
STA 148+04 - STA 159+08	STA 148+18 - STA 157+15
STA 174+85 - STA 180+50	STA 176+55 - STA 178+77
STA 242+70 - STA 244+71	STA 241+24 - STA 247+21
STA 260+06 - STA 267+27	STA 263+77 - STA 265+37
STA 278+06 - STA 287+47	STA 296+66 - STA 303+05
STA 288+56 - STA 292+54	STA 309+57 - STA 310+62
STA 295+26 - STA 310+62	



FINISHED TYPICAL SECTION, STH 116

STA 100+00 - STA 148+10

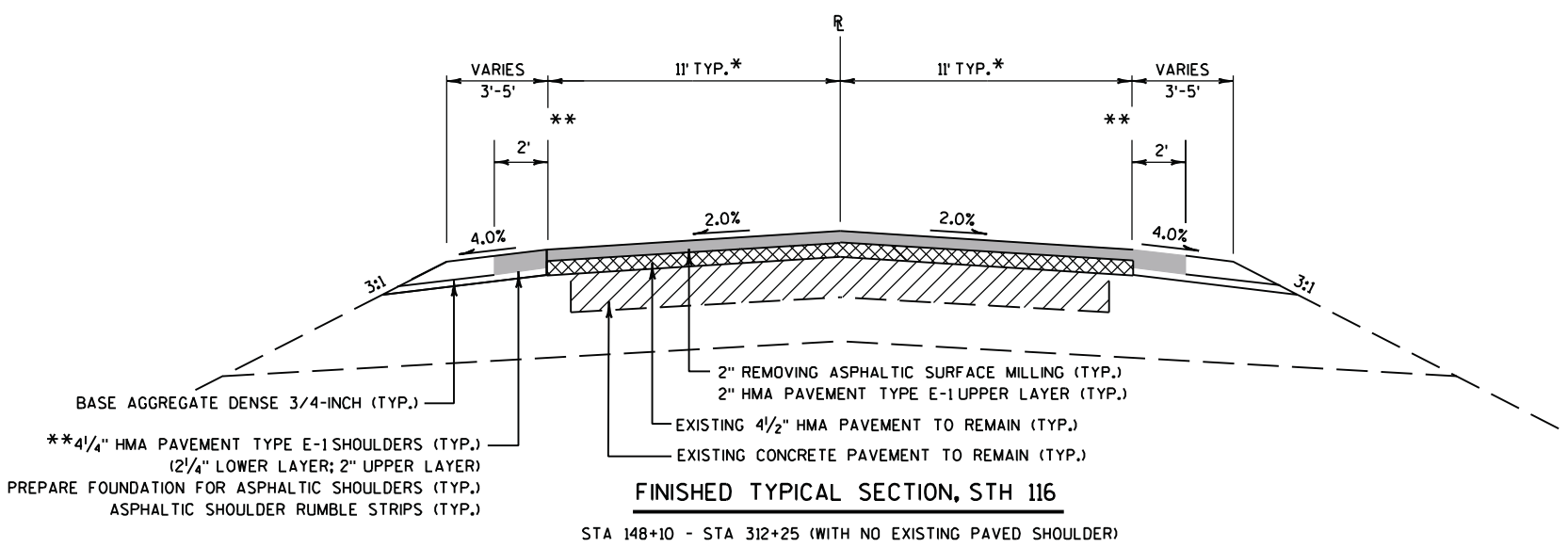


FINISHED TYPICAL SECTION, STH 116

STA 148+10 - STA 312+25 (WITH EXISTING PAVED SHOULDER)

* 12' TYPICAL WIDTH FROM STA 148+10 - 158+62

APPROXIMATE LOCATIONS	
** LEFT	** RIGHT
STA 148+10 - STA 159+08	STA 148+18 - STA 157+15
STA 174+85 - STA 180+50	STA 176+55 - STA 178+77
STA 242+70 - STA 244+71	STA 241+24 - STA 247+21
STA 260+06 - STA 267+27	STA 263+77 - STA 265+37
STA 278+06 - STA 287+47	STA 296+66 - STA 303+05
STA 288+56 - STA 292+54	STA 309+57 - STA 312+25
STA 295+26 - STA 312+25	



FINISHED TYPICAL SECTION, STH 116

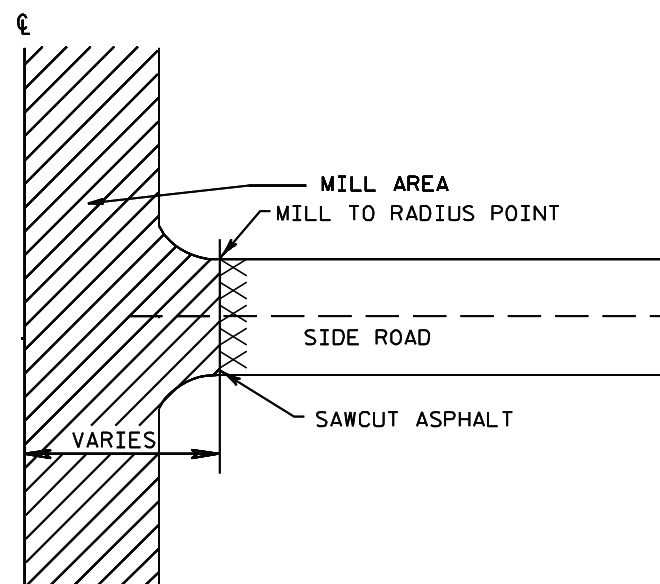
STA 148+10 - STA 312+25 (WITH NO EXISTING PAVED SHOULDER)

* 12' TYPICAL WIDTH FROM STA 148+10 - STA 158+62

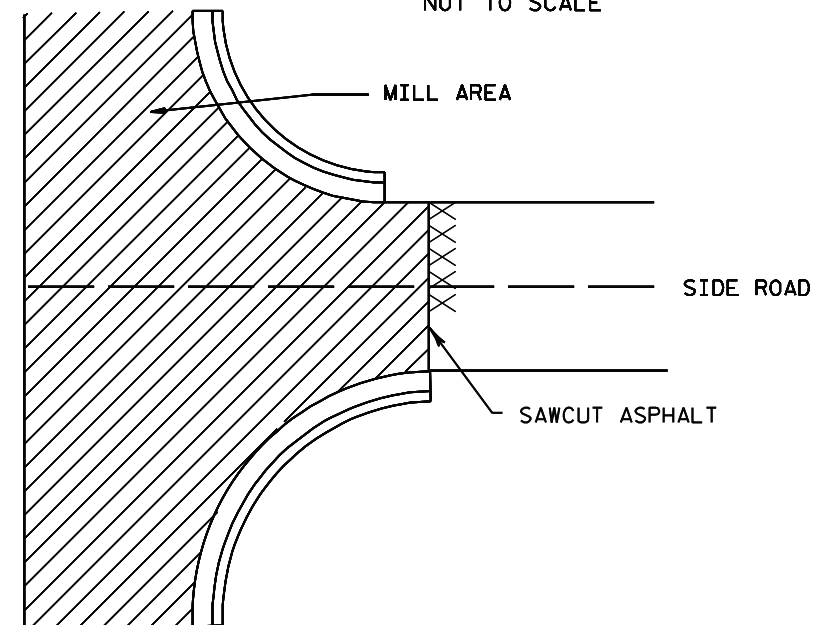
APPROXIMATE LOCATIONS	
** LEFT	** RIGHT
STA 159+08 - STA 174+85	STA 157+15 - STA 176+55
STA 180+50 - STA 242+70	STA 178+77 - STA 241+24
STA 244+71 - STA 260+06	STA 247+21 - STA 263+77
STA 267+27 - STA 278+06	STA 265+37 - STA 296+66
STA 287+47 - STA 288+56	STA 303+05 - STA 309+57
STA 292+54 - STA 295+26	

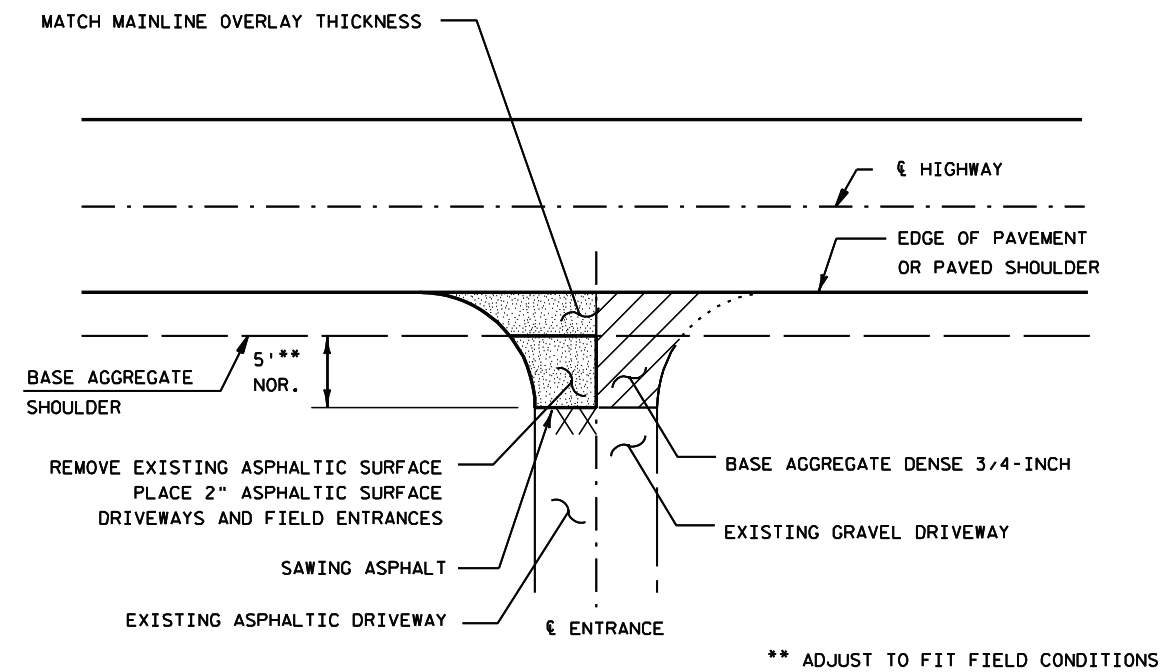
SIDE ROAD DETAIL - NO CURB & GUTTER

NOT TO SCALE

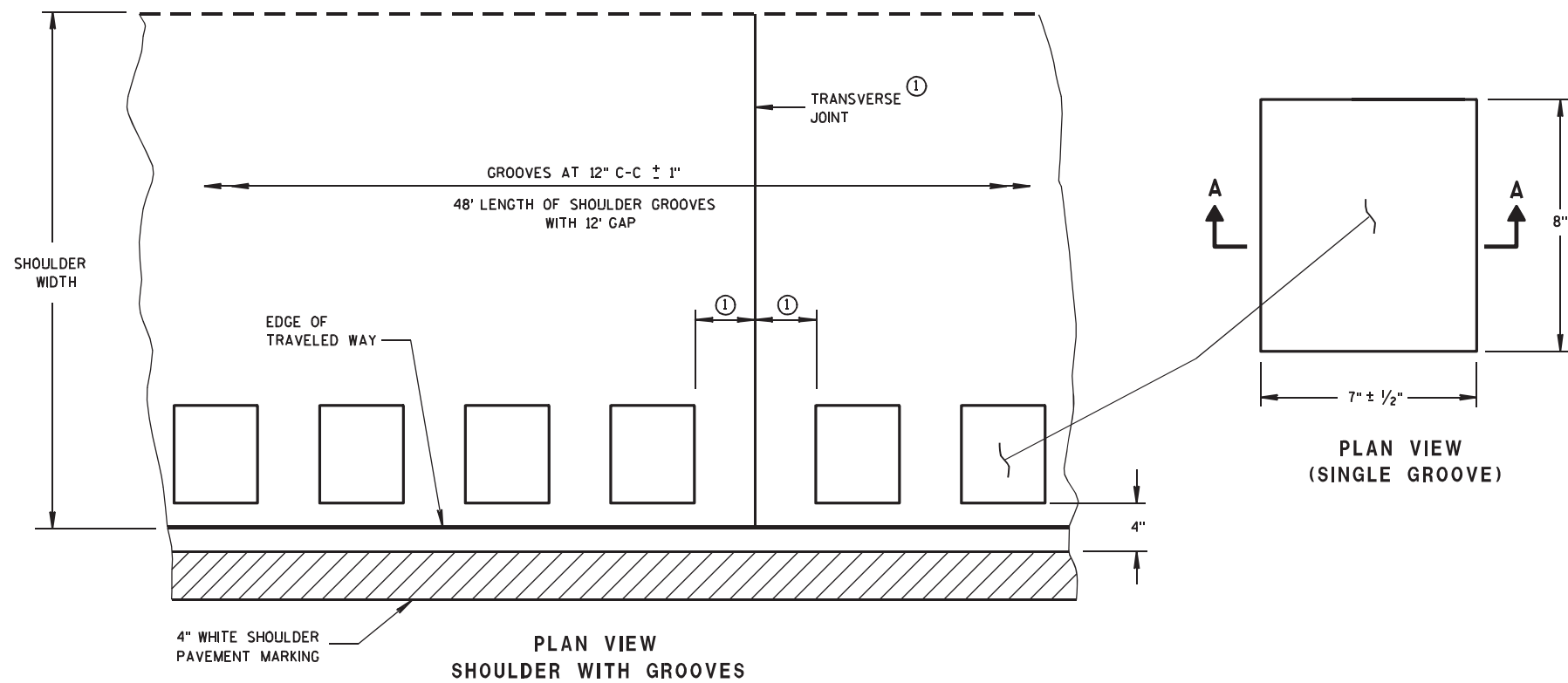
SIDE ROAD DETAIL - CURB & GUTTER

NOT TO SCALE

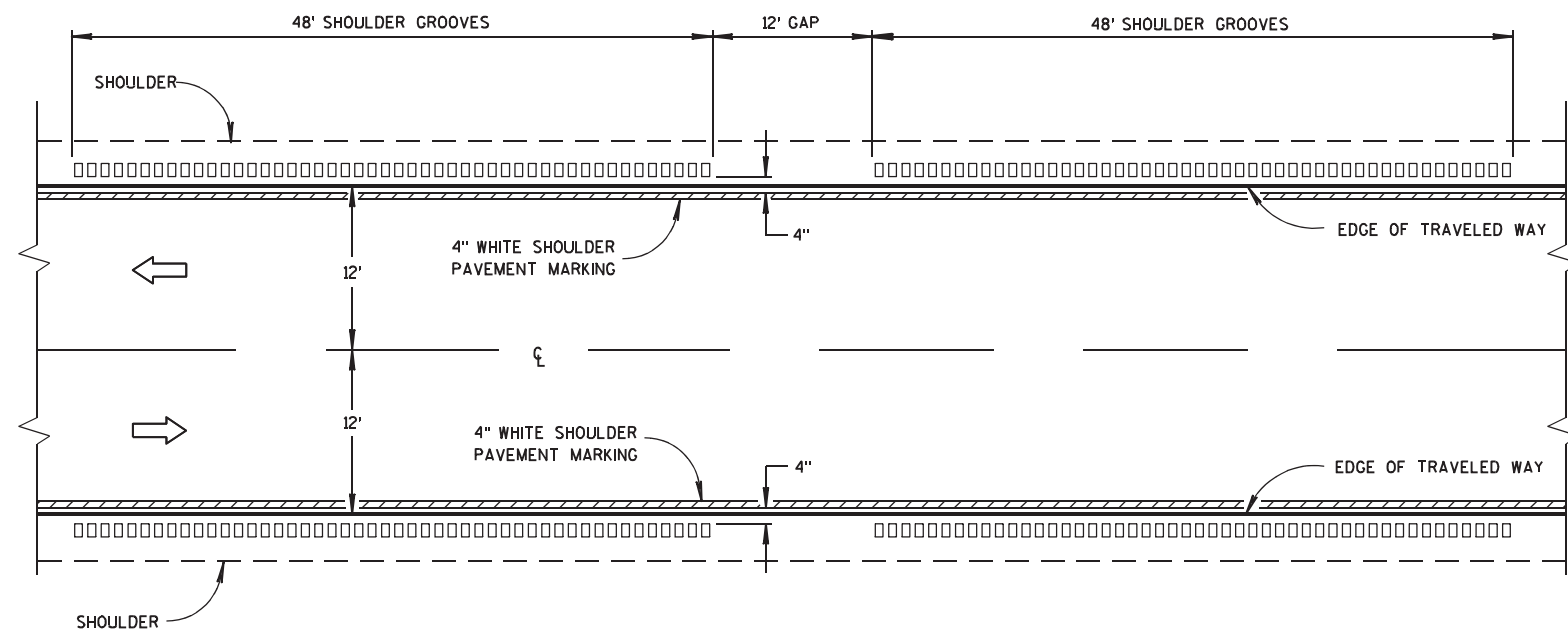




RURAL DRIVEWAY DETAIL



PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP

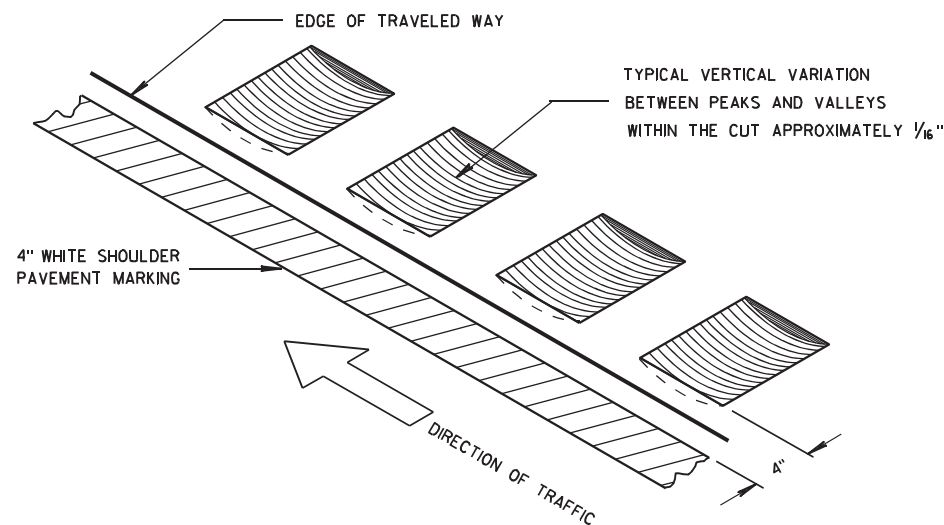
TYPE 1
2-LANE SHOULDER RUMBLE STRIP

GENERAL NOTES

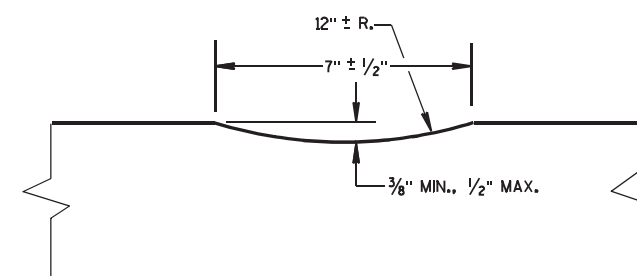
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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

- ① CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.
- ② SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



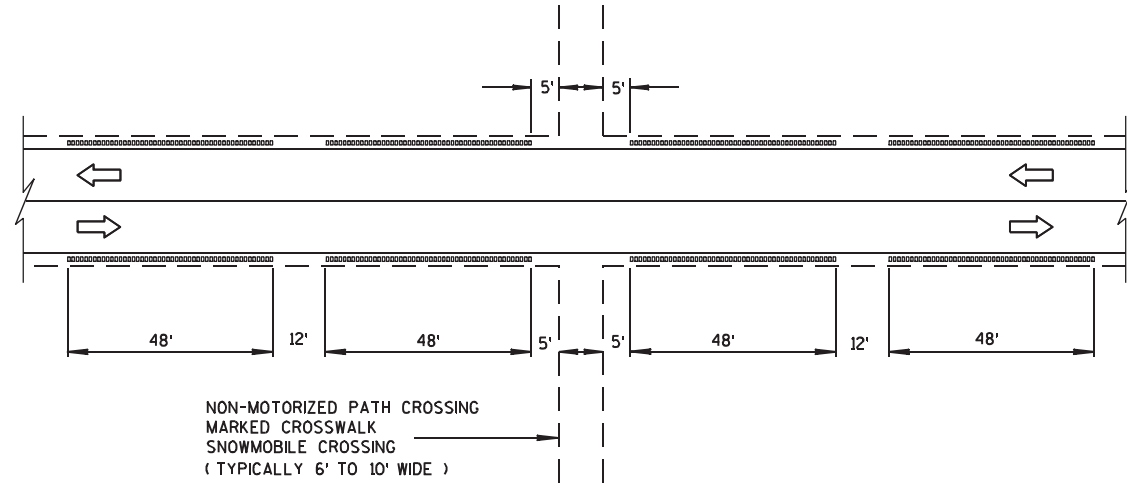
ISOMETRIC



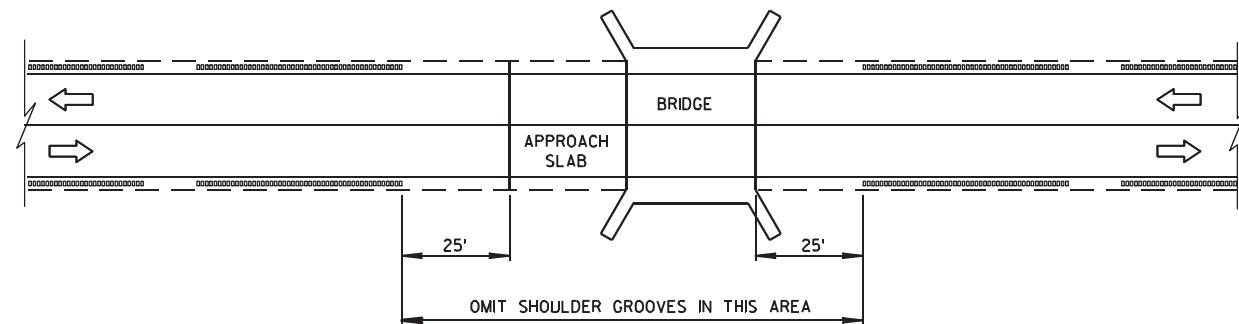
SECTION A-A

2-LANE RURAL
SHOULDER RUMBLE STRIP AND STRIPE,
MILLING

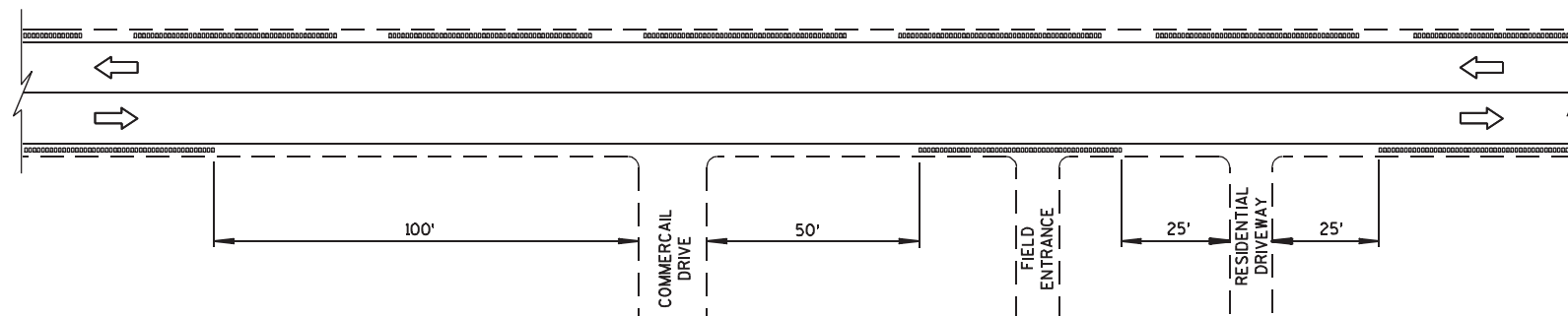
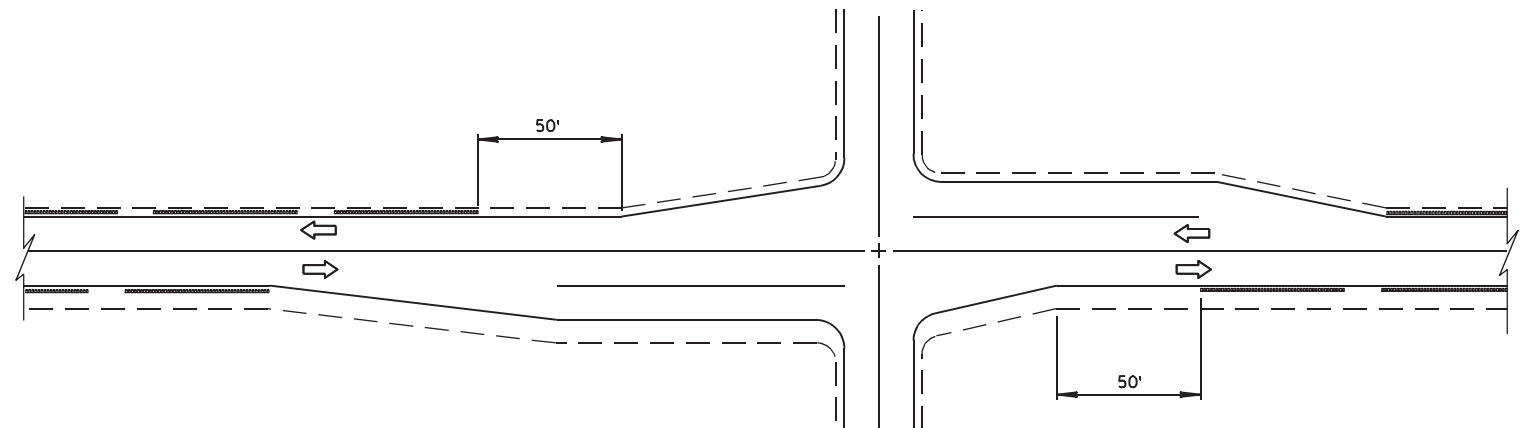
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



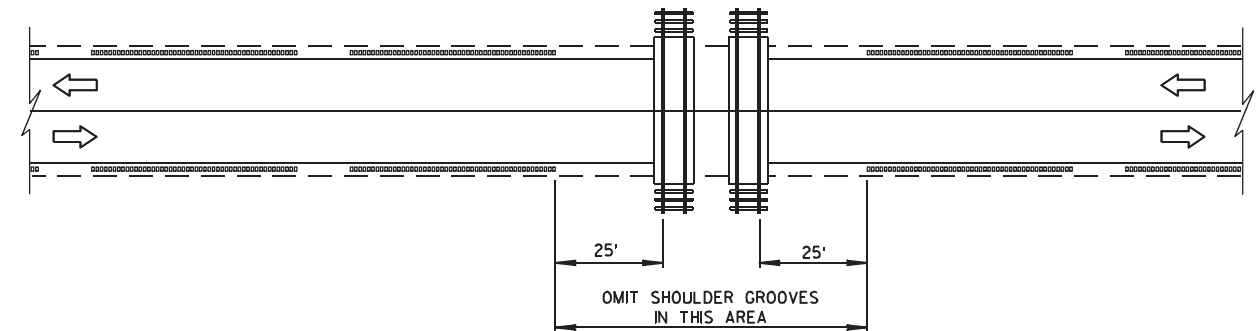
SHOULDER GROOVES AT MISCELLANEOUS CROSSINGS



SHOULDER GROOVES AT BRIDGES

SHOULDER GROOVES AT DRIVEWAYS^②

SHOULDER GROOVES AT INTERSECTIONS



SHOULDER GROOVES AT RAILROADS

2-LANE RURAL
SHOULDER RUMBLE STRIP AND STRIPE,
MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

- A. ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.
- B. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.
- C. 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.
- D. THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.
- E. ADDITIONAL WORK VEHICLES MAY BE USED BETWEEN V1 AND V2.
- F. ALTERNATE SIGN MESSAGES, SUCH AS "ONE LANE ROAD" MAY BE USED.
- G. DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE AND OTHER FACTORS.
- H. IF THERE IS A SIDE ROAD INTERSECTION BETWEEN THE FLAGGER STATIONS PROVIDE "ROAD WORK AHEAD" SIGNS.

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

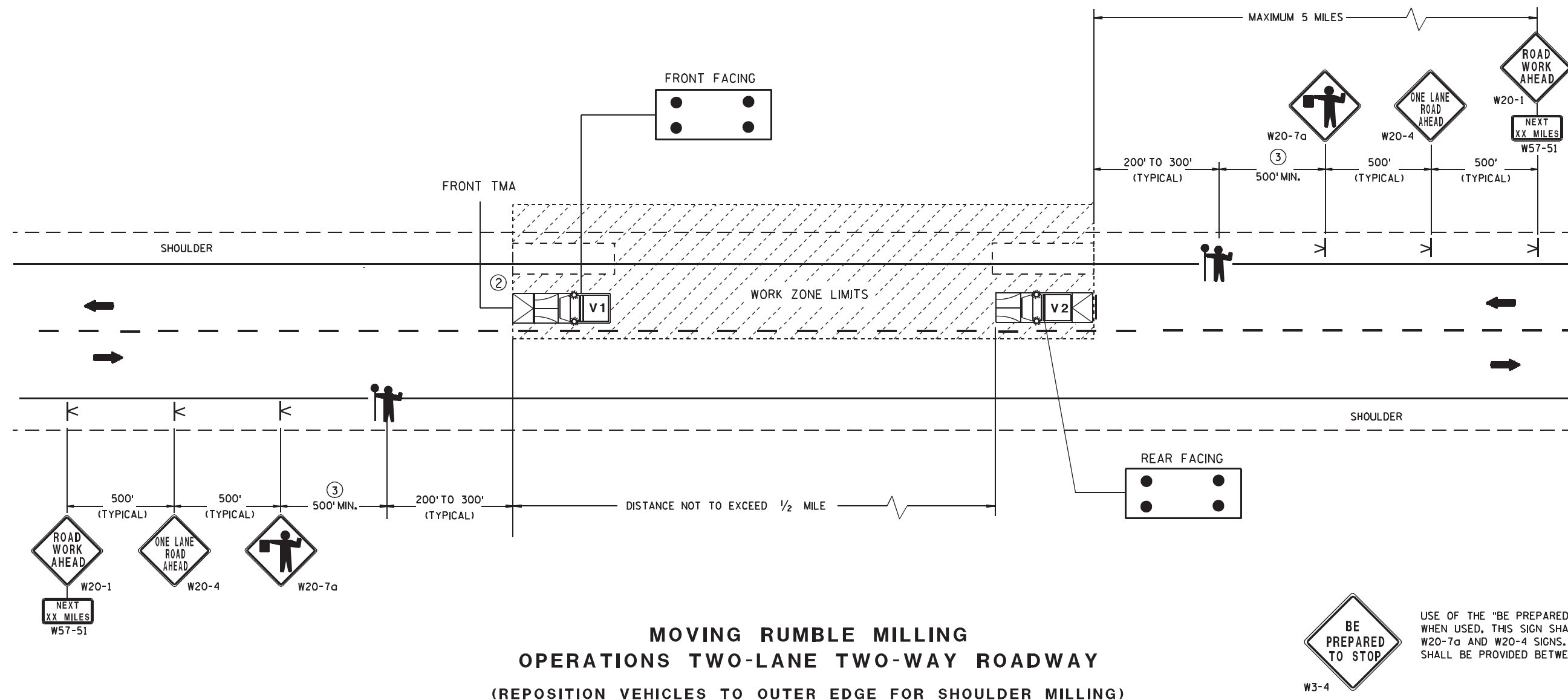
THIS DRAWING SHALL BE USED FOR CENTERLINE AND SHOULDER MILLING OF RUMBLE STRIPS.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE THE STATIONARY WARNING SIGNS.

- ① MAXIMUM DISTANCE BETWEEN FLAGGER STATIONS SHALL BE TWO MILES.
- ② FRONT TRUCK-MOUNTED ATTENUATOR V1 OPTIONAL FOR SHOULDER RUMBLE MILLING.
- ③ FOR MOVING WORK OPERATION, SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

LEGEND

- V1 LEAD VEHICLE
- V2 TRAIL VEHICLE WITH TMA
- TMA TRUCK-MOUNTED ATTENUATOR
- SIGN ON PORTABLE SUPPORT
- DIRECTION OF TRAVEL
- FLASHING ARROW PANEL (CAUTION)
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- WORK AREA



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



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.



PI: 158+71.84
X: 731898.8649
Y: 465781.2760
Delta: 11° 48' 09.8639" LT
Radius: 1055.175
DOC: 05° 25' 47.9287"
Length: 217.362
Tangent: 109.067
PC: 157+62.768
PT: 159+80.130
SE: (AVG) LT 2.3%
SE: (AVG) RT 4.3%
(MATCH EXISTING)

PI: 153+88.03
X: 731489.4214
Y: 465510.6957
Delta: 26° 16' 16.2510" RT
Radius: 850.000
DOC: 06° 44' 26.4480"
Length: 389.741
Tangent: 198.358
PC: 151+89.674
PT: 155+79.415
SE: (AVG) LT 2.2%
SE: (AVG) RT 3.6%
(MATCH EXISTING)

PI: 162+17.43
X: 732150.4864
Y: 466019.1052
Delta: 03° 09' 06.1560" RT
Radius: 5000.000
DOC: 01° 08' 45.2962"
Length: 275.039
Tangent: 137.554
PC: 160+79.878
PT: 163+54.916

PI: 177+74.03
X: 733357.8424
Y: 467001.7067
Delta: 50° 55' 20.5339" LT
Radius: 250.000
DOC: 22° 55' 05.9232"
Length: 222.191
Tangent: 119.036
PC: 176+54.994
PT: 178+77.185
SE: (AVG) LT 6.0%
SE: (AVG) RT 4.4%
(MATCH EXISTING)

STA. 159+30 +/- 90' RT.
MATCH EXISTING
SAW CUT REQUIRED

APPROXIMATE LOCATION OF
LANDMARK REFERENCE MONUMENT

2



2



PROJECT NO: 6190-20-60

HWY: STH 116

COUNTY: WINNEBAGO

PLAN DETAILS

SHEET

E

FILE NAME : G:\WDOTCO\10033 (Design Work Orders)\Work Order 7 STH 116 Winnebago County\Dgn\021203_pd (with map).dgn

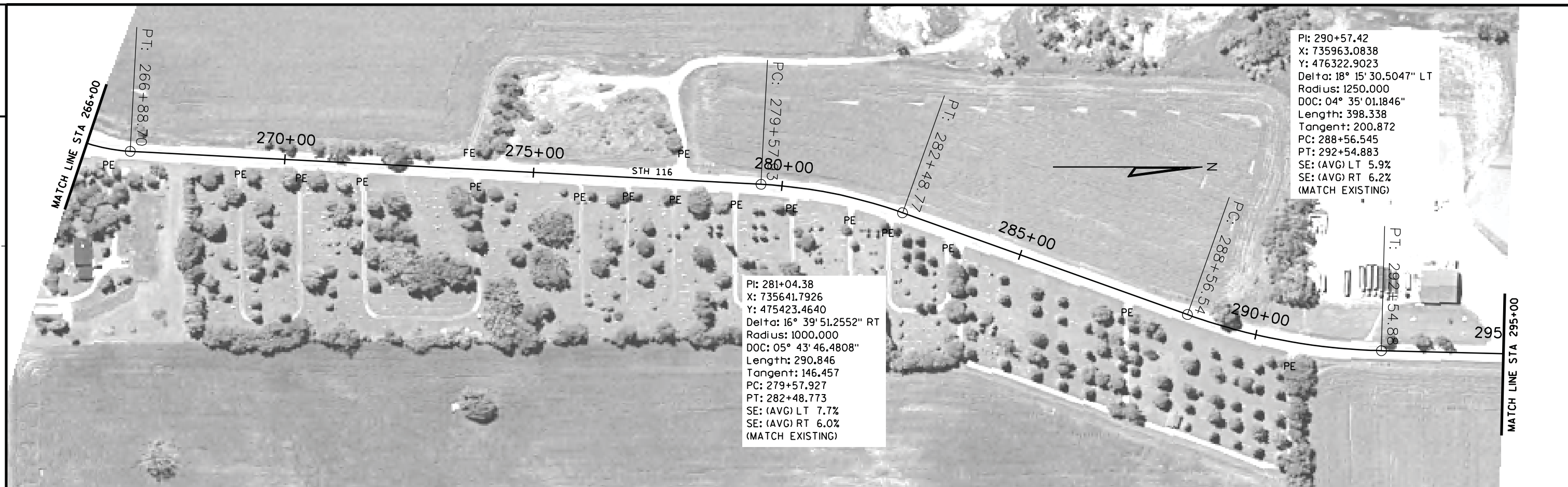
PLOT DATE : 11/29/2012

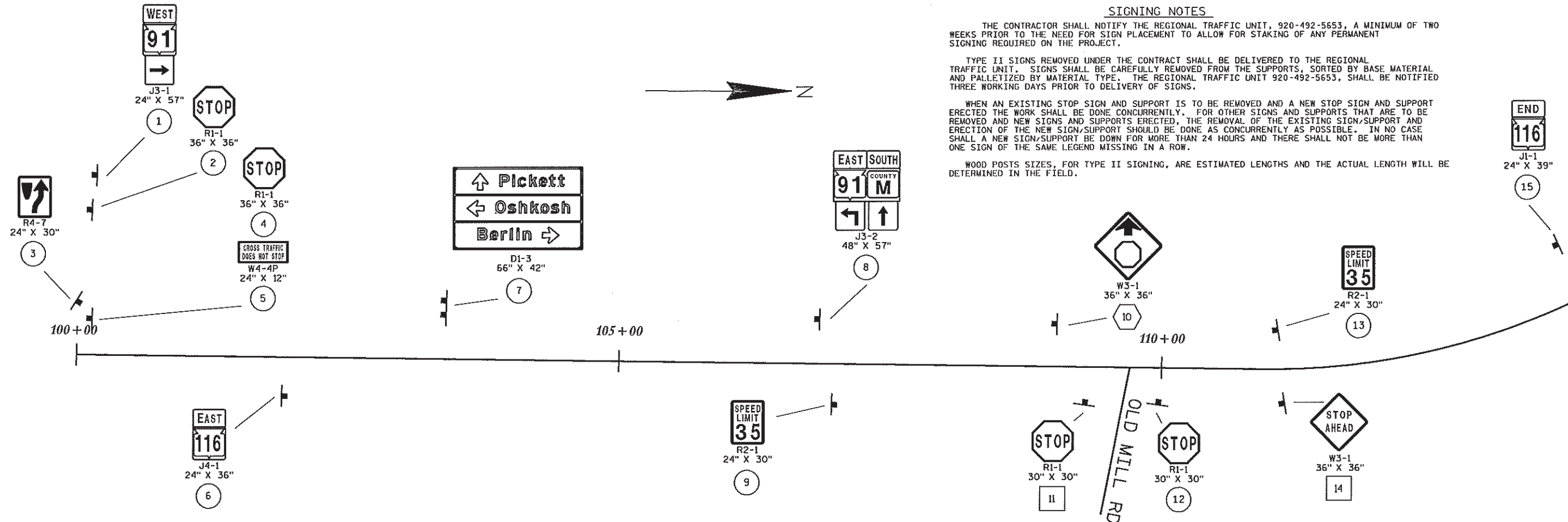
PLOT BY : KL Engineering

PLOT NAME :

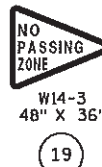
PLOT SCALE :

WISDOT/CADDs SHEET 42



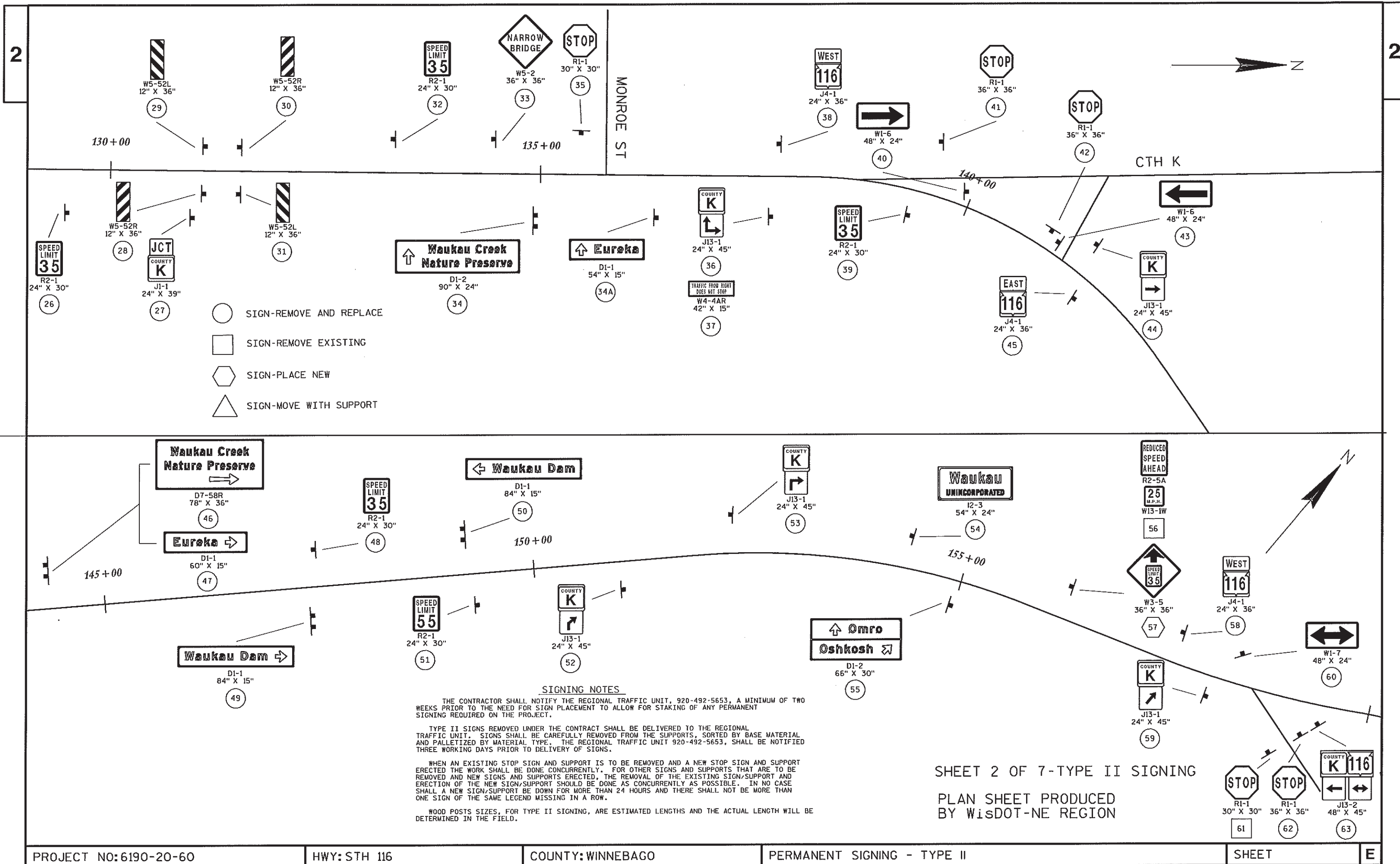


- SIGN-REMOVE AND REPLACE
- SIGN-REMOVE EXISTING
- SIGN-PLACE NEW
- SIGN-MOVE WITH SUPPORT



SHEET 1 OF 7-TYPE II SIGNING
PLAN SHEET PRODUCED
BY WisDOT-NE REGION





SIGNING NOTES

THE CONTRACTOR SHALL NOTIFY THE REGIONAL TRAFFIC UNIT, 920-492-5653, A MINIMUM OF TWO WEEKS PRIOR TO THE NEED FOR SIGN PLACEMENT TO ALLOW FOR STAKING OF ANY PERMANENT SIGNING REQUIRED ON THE PROJECT.

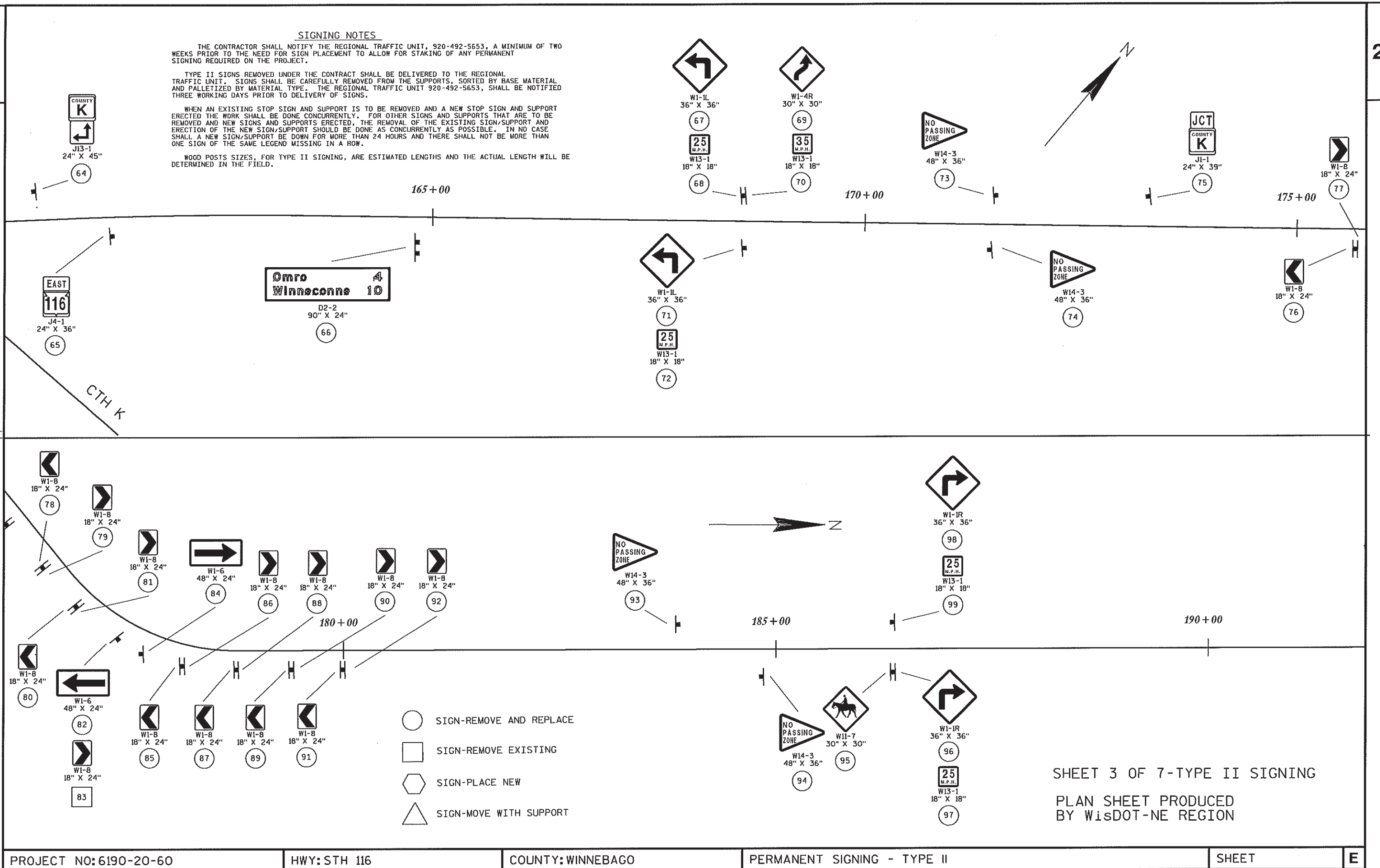
TYPE II SIGNS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS.

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

2

2



SIGNING NOTES

THE CONTRACTOR SHALL NOTIFY THE REGIONAL TRAFFIC UNIT, 920-492-5653, A MINIMUM OF TWO WEEKS PRIOR TO THE NEED FOR SIGN PLACEMENT TO ALLOW FOR STAKING OF ANY PERMANENT SIGNING REQUIRED ON THE PROJECT.

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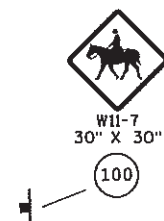
WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

THE NUMBER OF "NO PASSING ZONE" (W14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.

195+00

200+00

205+00

W11-7
30" X 30"

(100)

W14-3
48" X 36"

(101)

210+00

W15-56
30" X 36"

(103)

215+00

W1-7
48" X 24"

(104)

RI-1
30" X 30"

(105)

W15-56
30" X 36"

(106)

220+00

-  SIGN-REMOVE AND REPLACE
-  SIGN-REMOVE EXISTING
-  SIGN-PLACE NEW
-  SIGN-MOVE WITH SUPPORT

W14-3
48" X 36"

(102)

225+00

230+00

235+00

SIGNING NOTES

THE CONTRACTOR SHALL NOTIFY THE REGIONAL TRAFFIC UNIT, 920-492-5653, A MINIMUM OF TWO WEEKS PRIOR TO THE NEED FOR SIGN PLACEMENT TO ALLOW FOR STAKING OF ANY PERMANENT SIGNING REQUIRED ON THE PROJECT.

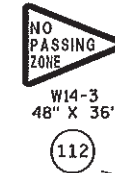
TYPE II SIGNS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS.

WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

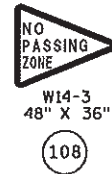
WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.



W2-2
30" X 30"
107



W14-3
48" X 36"
112



W14-3
48" X 36"
108



W1-1R
36" X 36"
109



W13-1
18" X 18"
110



J1-1
24" X 39"
111



R1-1
30" X 30"
116



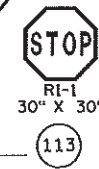
W1-6
48" X 24"
117



J13-1
24" X 45"
114



W4-4AR
42" X 15"
115



R1-1
30" X 30"
113



W1-8
18" X 24"
118



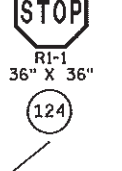
W1-8
18" X 24"
120



W1-8
18" X 24"
122



W1-8
18" X 24"
123



R1-1
36" X 36"
124



W1-6
48" X 24"
125



W1-6
48" X 24"
126



W1-1L
36" X 36"
128



W13-1
18" X 18"
129



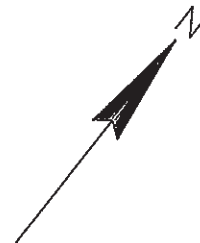
J13-1
24" X 45"
127



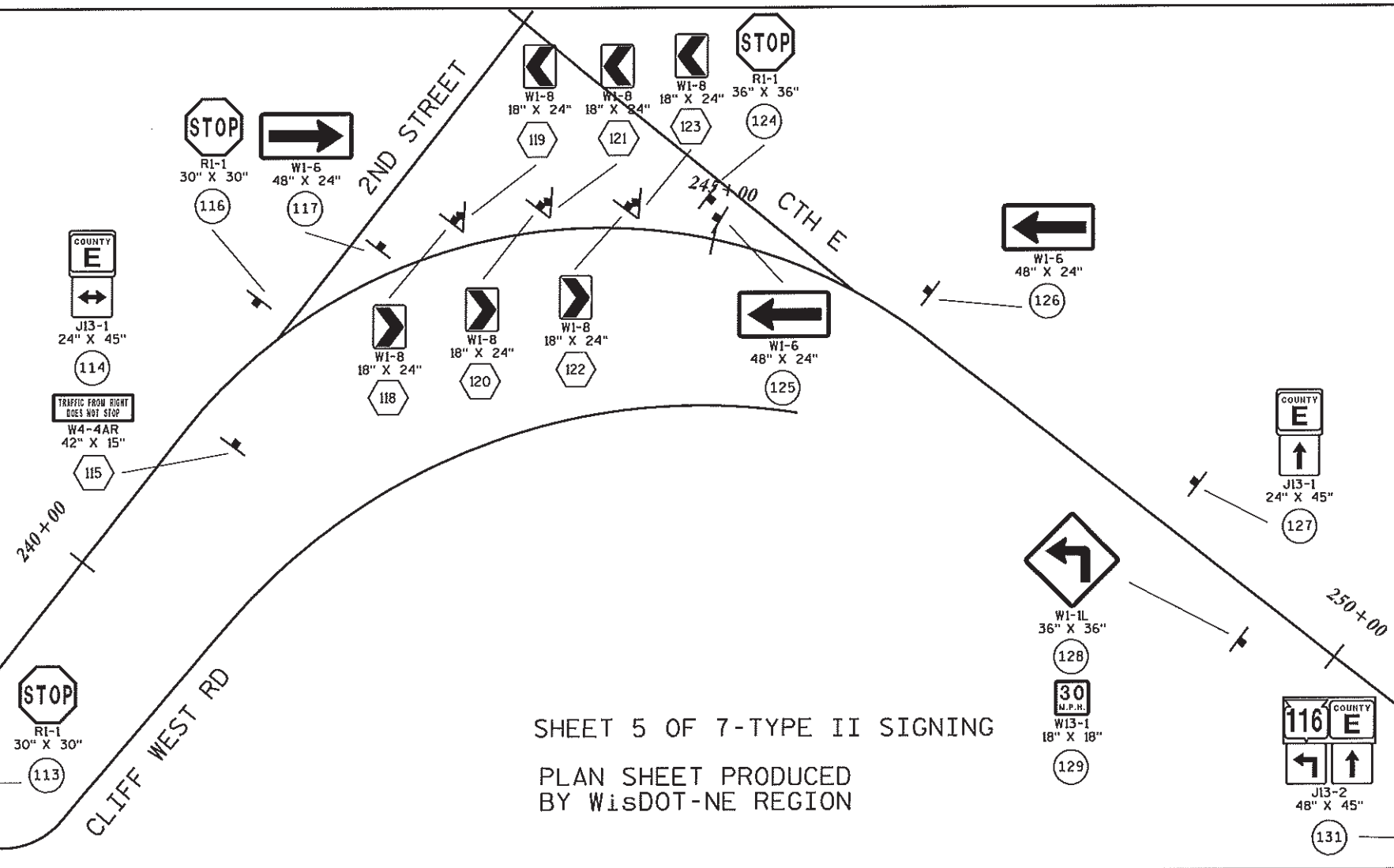
D1-2
54" X 30"
130



J13-2
48" X 45"
131



- SIGN-REMOVE AND REPLACE
- SIGN-REMOVE EXISTING
- SIGN-PLACE NEW
- SIGN-MOVE WITH SUPPORT



SHEET 5 OF 7-TYPE II SIGNING
PLAN SHEET PRODUCED
BY WISDOT-NE REGION

SIGNING NOTES

THE CONTRACTOR SHALL NOTIFY THE REGIONAL TRAFFIC UNIT, 920-492-5653, A MINIMUM OF TWO WEEKS PRIOR TO THE NEED FOR SIGN PLACEMENT TO ALLOW FOR STAKING OF ANY PERMANENT SIGNING REQUIRED ON THE PROJECT.

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WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

N

255+00

260+00

CTH E

270+00

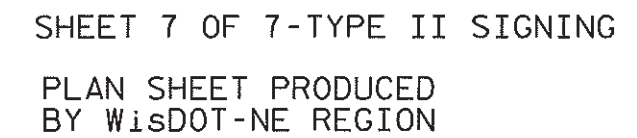
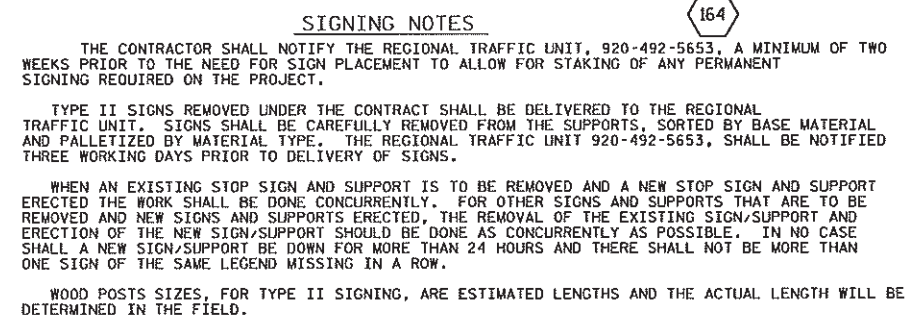
275+00

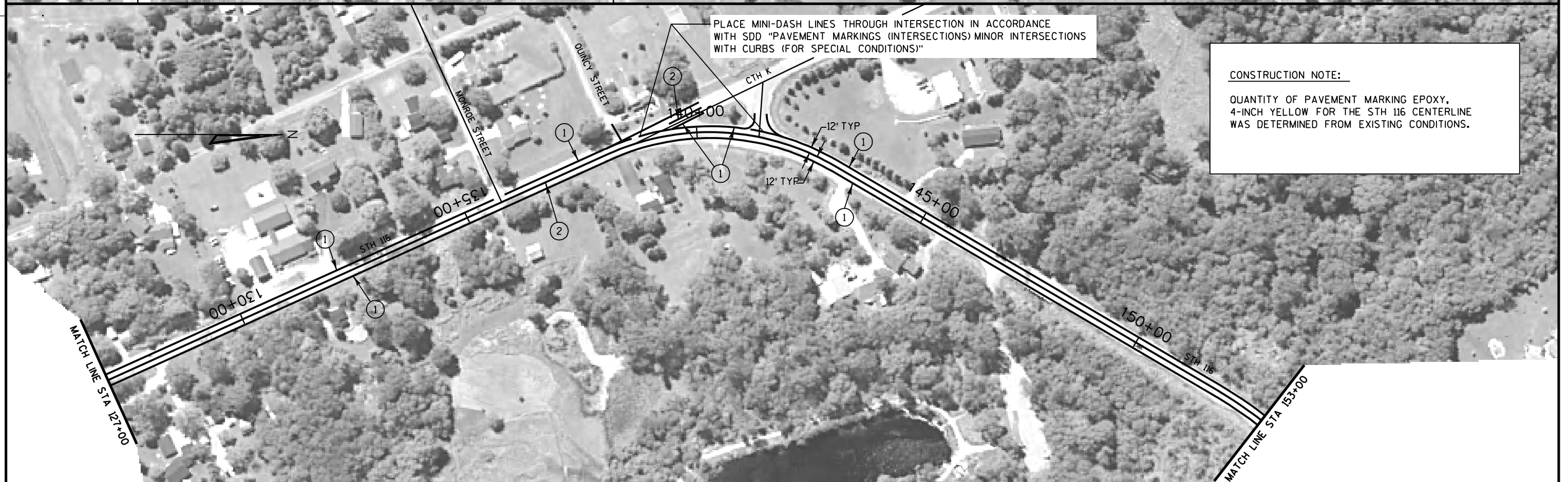
280+00

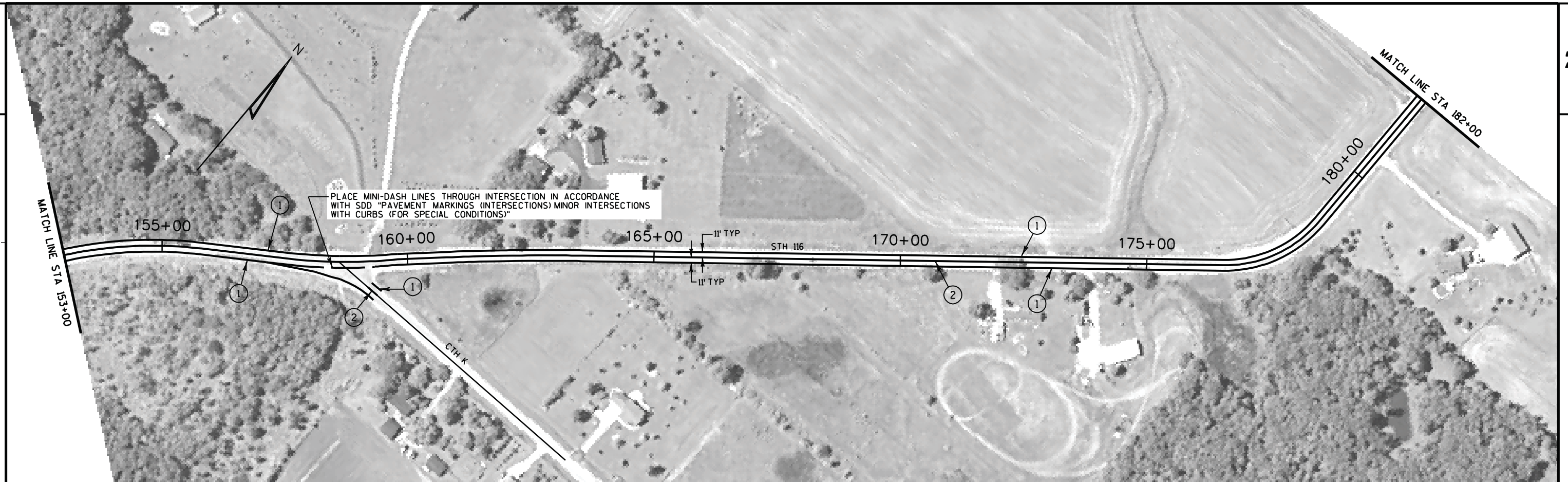
- SIGN-REMOVE AND REPLACE
- SIGN-REMOVE EXISTING
- ⬡ SIGN-PLACE NEW
- △ SIGN-MOVE WITH SUPPORT

SHEET 6 OF 7-TYPE II SIGNING

PLAN SHEET PRODUCED
BY WisDOT-NE REGION

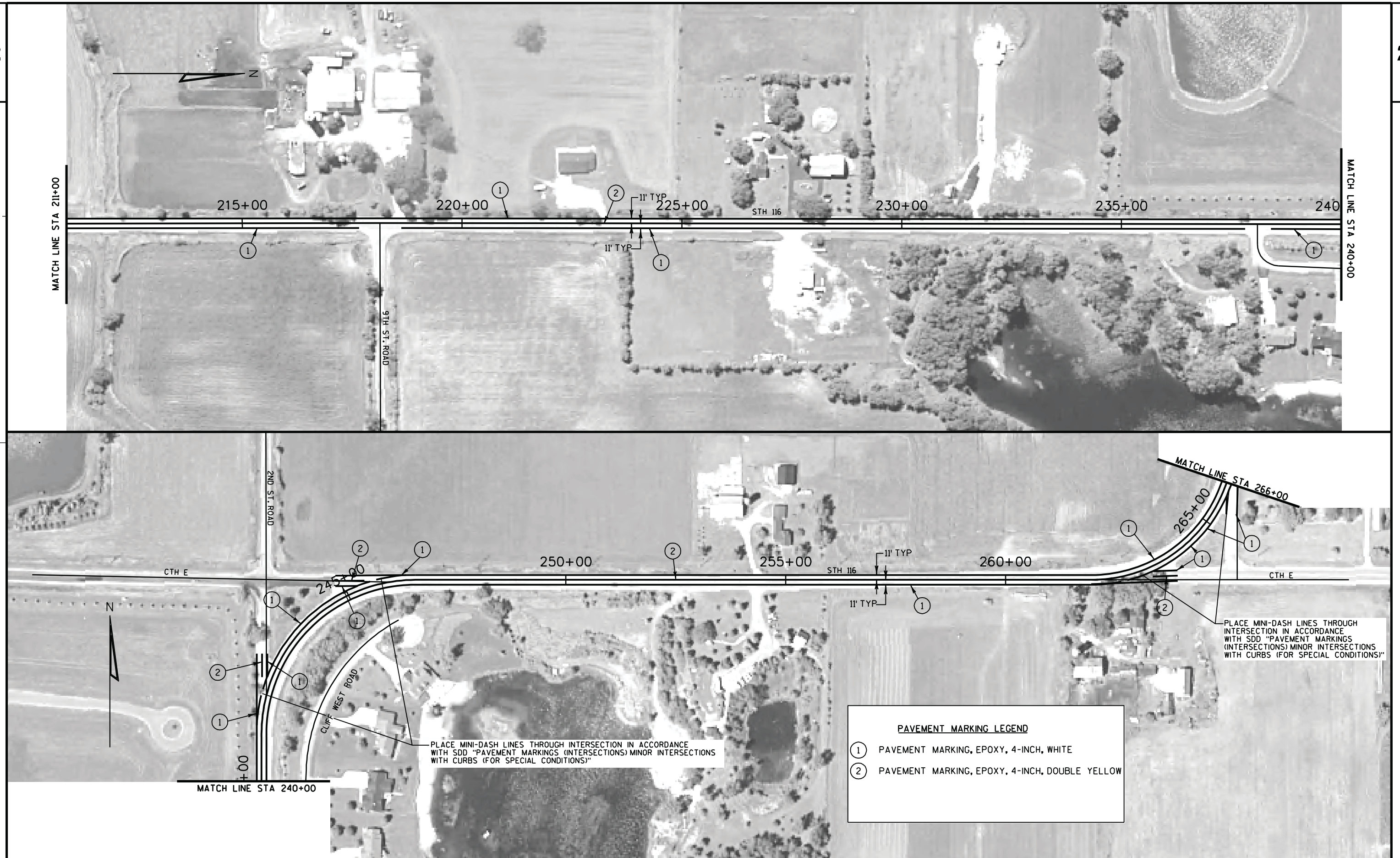






2

2



PROJECT NO: 6190-20-60

HWY: STH 116

COUNTY: WINNEBAGO

PAVEMENT MARKING

SHEET

E

FILE NAME : G:\WDOTCO\10033 (Design Work Orders)\Work Order 7 STH 116 Winnebago County\Dgn\024503_pm.dgn

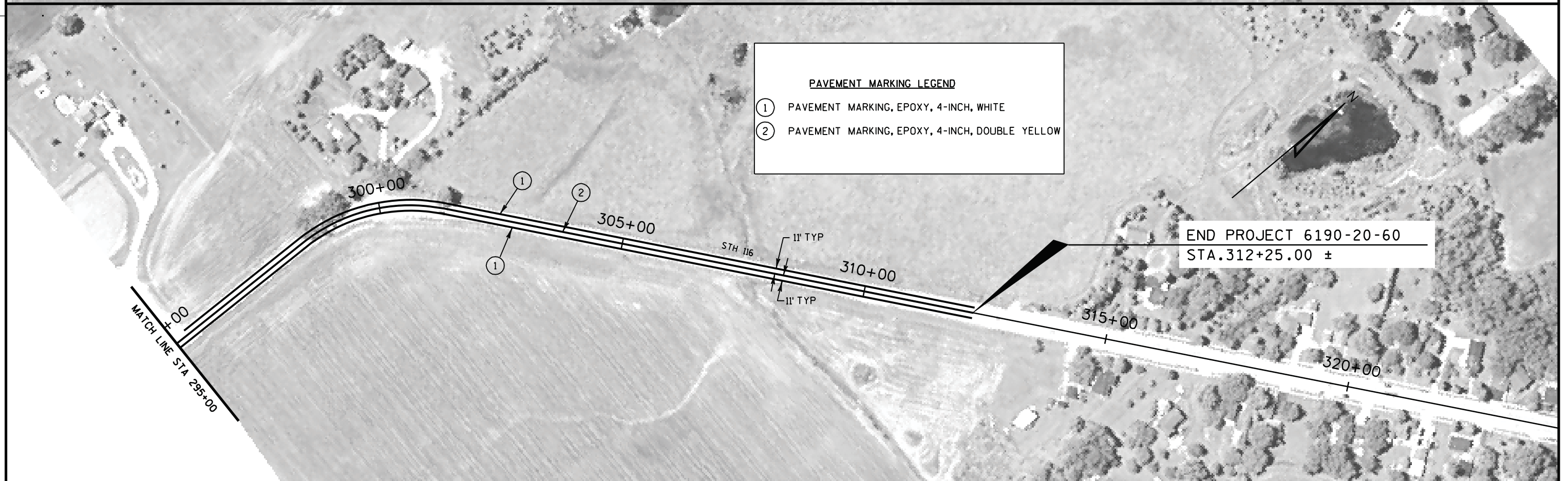
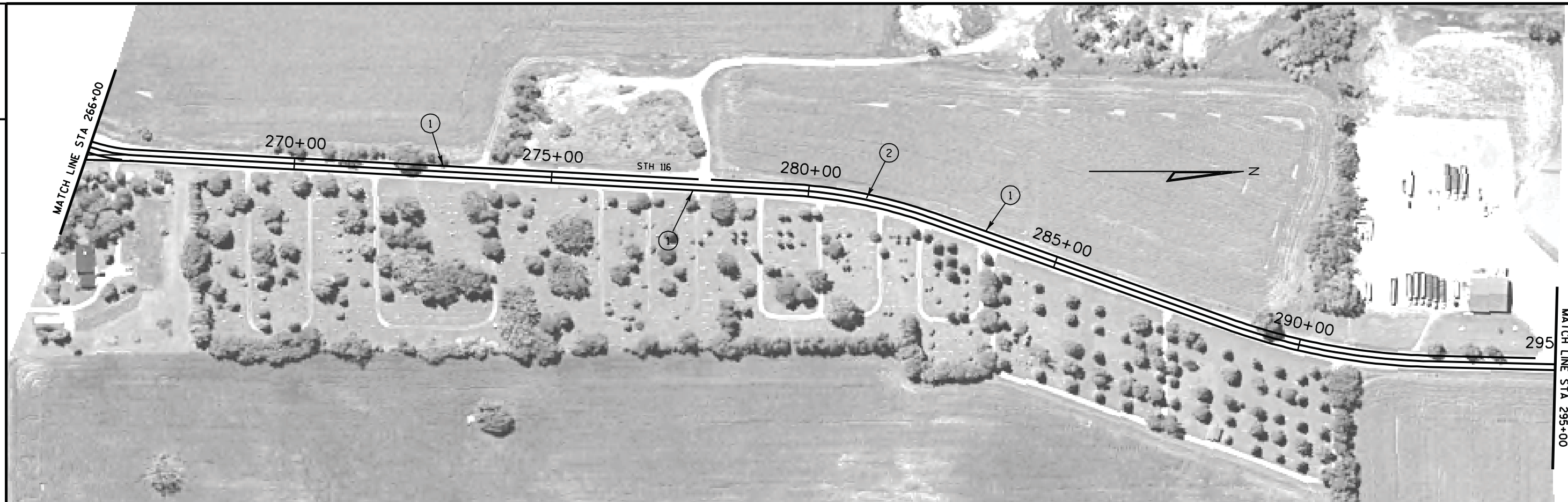
PLOT DATE : 11/27/2012

PLOT BY : KL Engineering

PLOT NAME :

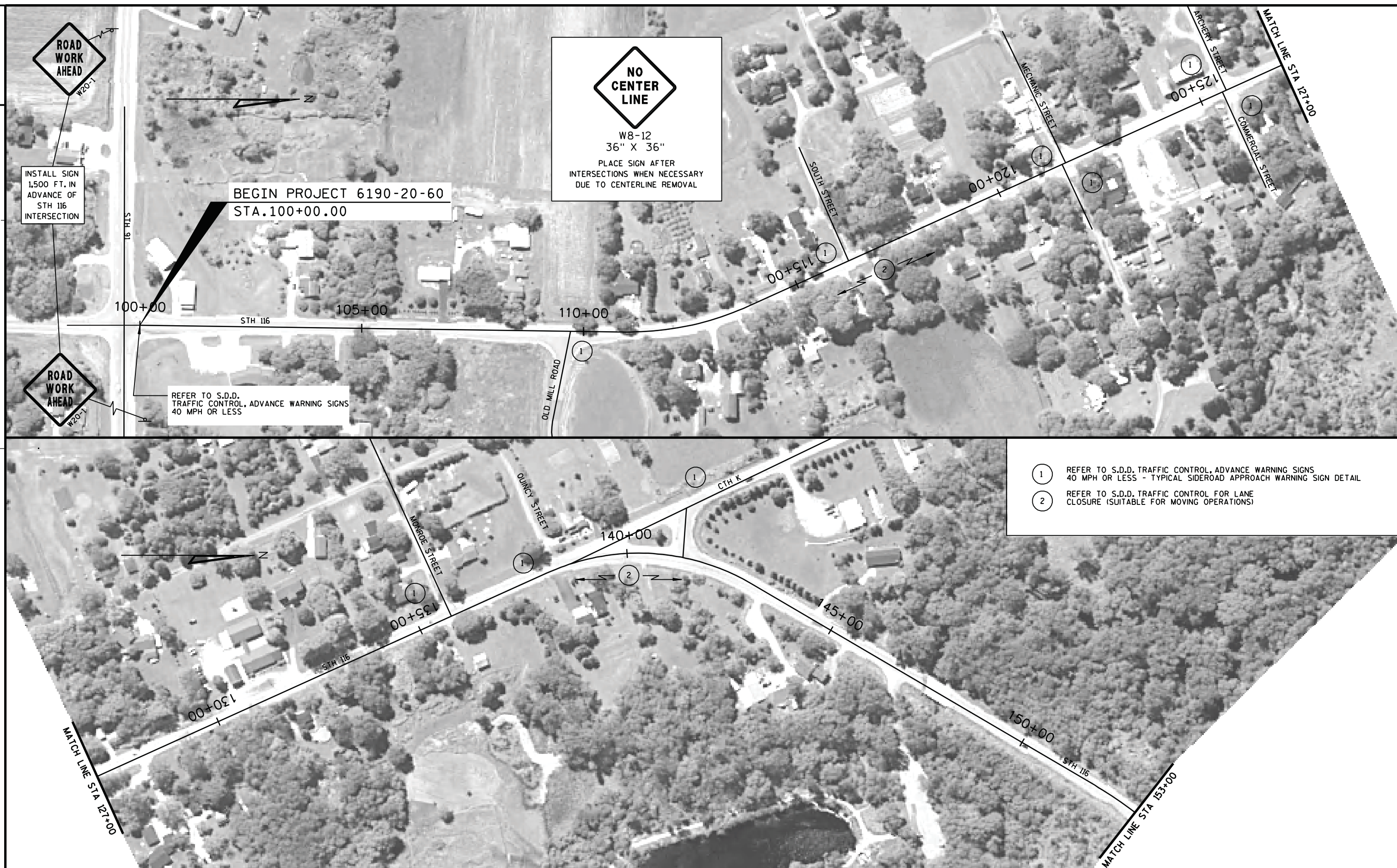
PLOT SCALE :

WISDOT/CADDs SHEET 42



PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING, EPOXY, 4-INCH, WHITE
- ② PAVEMENT MARKING, EPOXY, 4-INCH, DOUBLE YELLOW



PROJECT NO: 6190-20-60

HWY: STH 116

COUNTY: WINNEBAGO

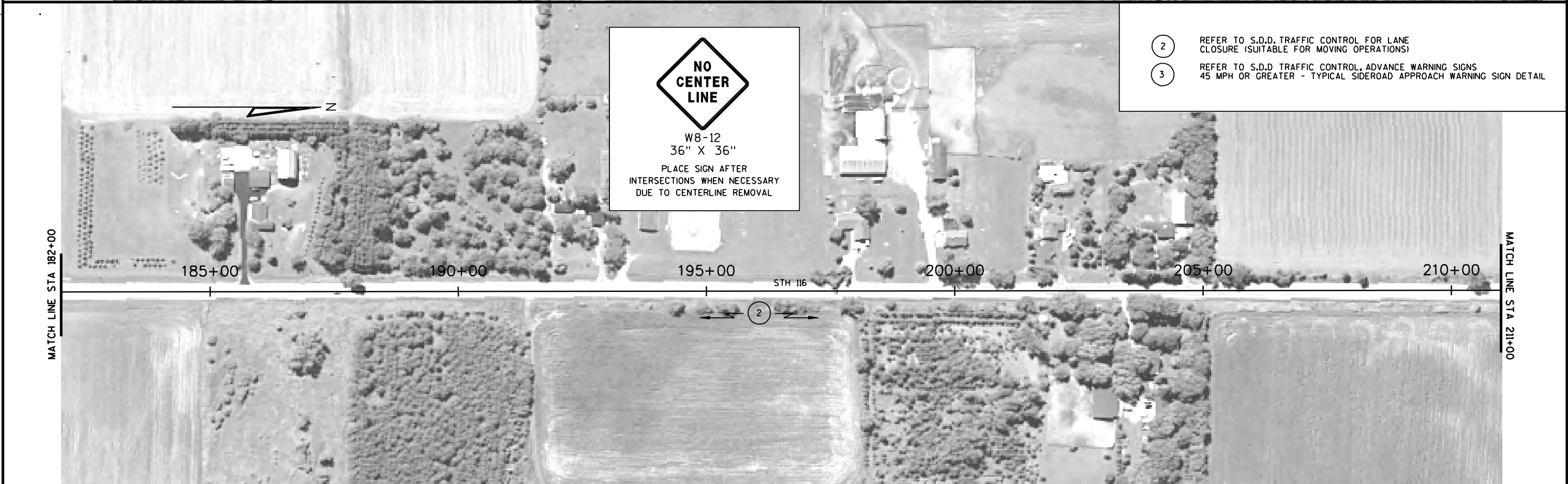
TRAFFIC CONTROL

SHEET

E

2

2



PROJECT NO:6190-20-60	HWY: STH 116	COUNTY: WINNEBAGO	TRAFFIC CONTROL	SHEET	E
-----------------------	--------------	-------------------	-----------------	-------	---

2

2

MATCH LINE STA 211+00

MATCH LINE STA 240+00

215+00

220+00

225+00

STH 116

230+00

235+00

240

3

2

3

9TH ST. ROAD

2

REFER TO S.D.D. TRAFFIC CONTROL FOR LANE
CLOSURE (SUITABLE FOR MOVING OPERATIONS)

3

REFER TO S.D.D. TRAFFIC CONTROL, ADVANCE WARNING SIGNS
45 MPH OR GREATER - TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

CTH E

250+00

255+00

STH 116

260+00

CTH E

245+00

MATCH LINE STA 266+00

265+00

3

2

3

3

N

CLIFF WEST ROAD

MATCH LINE STA 240+00

W8-12
36" X 36"PLACE SIGN AFTER
INTERSECTIONS WHEN NECESSARY
DUE TO CENTERLINE REMOVAL

PROJECT NO: 6190-20-60

HWY: STH 116

COUNTY: WINNEBAGO

TRAFFIC CONTROL

SHEET

E

FILE NAME : G:\WDOTCO\10033 (Design Work Orders)\Work Order 7 STH 116 Winnebago County\Dgn\025003-1c.dgn

PLOT DATE : 11/27/2012

PLOT BY : KL Engineering

PLOT NAME :

PLOT SCALE :

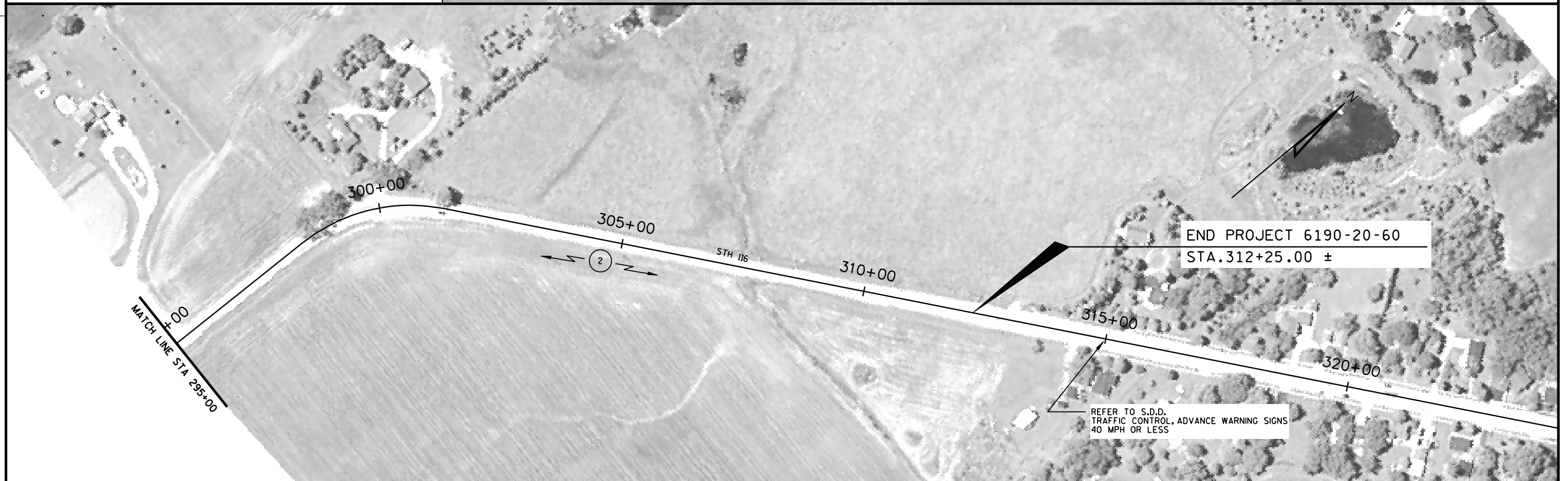
WISDOT/CADDs SHEET 42

2



2 REFER TO S.D.D. TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

2



PROJECT NO:6190-20-60

HWY: STH 116

COUNTY: WINNEBAGO

TRAFFIC CONTROL

SHEET

E

FILE NAME : G:\WDOTCO\10033 (Design Work Orders)\Work Order 7 STH 116 Winnebago County\Dgn\025004_fc.dgn

PLOT DATE : 11/27/2012

PLOT BY : KL Engineering

PLOT NAME :

PLOT SCALE :

WISDOT/CADDs SHEET 42

DATE 19MAR13			E S T I M A T E O F Q U A N T I T I E S		
LINE					6190-20-60
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	204.0120	REMOVING ASPHALTIC SURFACE MILLING	SY	63,500.000	63,500.000
0020	211.0100	PREPARE FOUNDATION FOR ASPHALTIC PAVING (PROJECT) 01. 6190-20-60	LS	1.000	1.000
0030	211.0400	PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS	STA	250.000	250.000
0040	213.0100	FINISHING ROADWAY (PROJECT) 01. 6190-20-60	EACH	1.000	1.000
0050	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	1,100.000	1,100.000
0060	305.0500	SHAPING SHOULDERS	STA	425.000	425.000
0070	440.4410.S	INCENTIVE IRI RIDE	DOL	16,000.000	16,000.000
0080	455.0105	ASPHALTIC MATERIAL PG58-28	TON	550.000	550.000
0090	455.0605	TACK COAT	GAL	1,600.000	1,600.000
0100	460.1101	HMA PAVEMENT TYPE E-1	TON	9,000.000	9,000.000
0110	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	5,760.000	5,760.000
0120	460.4110.S	REHEATING HMA LONGITUDINAL JOINTS	LF	21,200.000	21,200.000
0130	465.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	TON	125.000	125.000
0140	465.0425.S	ASPHALT SHOULDER RUMBLE STRIP 2-LANE RURAL	LF	27,150.000	27,150.000
0150	616.0700.S	FENCE SAFETY	LF	1,500.000	1,500.000
0160	618.0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 01. 6190-20-60	EACH	1.000	1.000
0170	619.1000	MOBILIZATION	EACH	1.000	1.000
0180	624.0100	WATER	MGAL	2.000	2.000
0190	634.0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	123.000	123.000
0200	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	29.000	29.000
0210	637.0202	SIGNS REFLECTIVE TYPE II	SF	1,096.400	1,096.400
0220	638.2602	REMOVING SIGNS TYPE II	EACH	157.000	157.000
0230	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	141.000	141.000
0240	642.5201	FIELD OFFICE TYPE C	EACH	1.000	1.000
0250	643.0100	TRAFFIC CONTROL (PROJECT) 01. 6190-20-60	EACH	1.000	1.000
0260	643.0300	TRAFFIC CONTROL DRUMS	DAY	200.000	200.000
0270	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	100.000	100.000
0280	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	200.000	200.000
0290	643.0900	TRAFFIC CONTROL SIGNS	DAY	1,500.000	1,500.000
0300	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	42,200.000	42,200.000
0310	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	250.000	250.000
0320	646.0406	PAVEMENT MARKING SAME DAY EPOXY 4-INCH	LF	36,350.000	36,350.000
0330	649.0100	TEMPORARY PAVEMENT MARKING 4-INCH	LF	46,000.000	46,000.000
0340	650.8000	CONSTRUCTION STAKING RESURFACING REFERENCE	LF	21,225.000	21,225.000
0350	650.9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 6190-20-60	LS	1.000	1.000
0360	690.0150	SAWING ASPHALT	LF	965.000	965.000
0370	SPV.0060	SPECIAL 01. SECTION CORNER MONUMENTS	EACH	2.000	2.000

PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS

STATION	TO	STATION	LOCATION	211.0400 (STA)
159+08	-	174+85	LT	16
180+50		242+70	LT	63
244+71		260+06	LT	16
267+27		278+06	LT	11
287+47		288+56	LT	2
292+54		295+26	LT	3
157+15		176+55	RT	20
178+77		241+24	RT	63
247+21		263+77	RT	17
265+37		296+66	RT	32
303+05		309+57	RT	7
PROJECT TOTAL				250

SHAPING SHOULDERS

STATION - STATION	LOCATION	305.0500 STA
100+00 - 312+25	STH 116, LT	212.5
100+00 - 312+25	STH 116, RT	212.5
PROJECT TOTALS		425

PREPARE FOUNDATION FOR ASPHALTIC PAVING

STATION	TO	STATION	LOCATION	211.0100 (LS)
100+00	-	312+25	STH 116	1
PROJECT TOTAL				1

BASE AGGREGATE

305.0110 BASE AGGREGATE DENSE 3/4 INCH			
STATION - STATION	LOCATION	TON	REMARKS
100+00 - 312+25	LT & RT	100	DRIVEWAY/FIELD ENTRANCE GRAVEL
*UNDISTRIBUTED		1000	SHOULDER GRAVEL
PROJECT TOTALS		1,100	

*UNDISTRIBUTED 3/4 INCH BASE AGGREGATE DENSE QUANTITY INTENDED TO BUILD UP SHOULDER TO ACHIEVE PROPOSED SLOPE IN AREAS WHERE IT IS DEFICIENT.

ASPHALTIC SHOULDER RUMBLE STRIP 2-LANE RURAL

STATION	STATION	465.0425.S (LF)
148+10	- 157+75	LT 965
160+00	- 171+50	LT 1,150
172+25	- 173+50	LT 125
174+10	- 180+20	LT 610
180+90	- 203+10	LT 2,220
203+75	- 217+15	LT 1,340
219+15	- 227+05	LT 790
228+00	- 235+40	LT 740
236+05	- 237+70	LT 165
238+50	- 253+90	LT 1,540
254+75	- 262+35	LT 760
263+90	- 264+95	LT 105
266+80	- 268+05	LT 125
284+55	- 286+55	LT 200
287+85	- 290+35	LT 250
291+75	- 312+25	LT 2,050
148+10	- 158+75	RT 1,065
160+10	- 163+35	RT 325
163+80	- 181+40	RT 1,760
182+40	- 185+35	RT 295
186+15	- 192+55	RT 640
193+75	- 197+65	RT 390
198+30	- 199+30	RT 100
200+05	- 201+85	RT 180
202+40	- 203+35	RT 95
205+15	- 218+20	RT 1,305
219+55	- 223+00	RT 345
223+65	- 227+15	RT 350
227+80	- 231+40	RT 360
232+25	- 241+35	RT 910
243+30	- 244+45	RT 115
246+95	- 254+00	RT 705
254+75	- 276+80	RT 2,205
279+50	- 294+00	RT 1,450
297+05	- 299+70	RT 265
300+70	- 312+25	RT 1,155
PROJECT TOTAL		27,150

LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD ADJUSTED TO FIT FIELD CONDITIONS.

SEE CONSTRUCTION DETAILS FOR SPACINGS, GAPS, AND INTERSECTION LAYOUTS.

HMA PAVEMENT ITEMS

						204.0120	455.0105	460.1101	455.0605	460.4110.S	465.0120
					*						
			ESTIMATED	ESTIMATED	WIDTH	REMOVING ASPHALTIC	ASPHALTIC MATERIAL	HMA PAVEMENT	TACK COAT	REHEATING	ASPHALTIC
			LANE	TOTAL SHDR. WIDTH	OF	SURFACE MILLING	MATERIAL PG 58-28	TYPE E-1		HMA	SURFACE
			WIDTH	FOR MILLING	NEW SHDR.	SY	TON	TON	GAL	PAVEMENT	DRIVEWAYS
STATION	STATION	LT/RT	(FT)	(FT)	(FT)					LONGITUDINAL	AND
										JOINTS	FIELD ENTRANCES
										(LF)	TON
100+00	147+50	LT & RT.	24	5	0	15,310	102	1,840	383	4,750	--
148+12	159+08	LT.	12	3	0	1,830	14	220	46	--	--
159+08	174+85	LT.	11	0	2	1,930	18	320	48	--	--
174+85	180+50	LT.	11	3	0	880	8	110	22	--	--
180+50	242+70	LT.	11	0	2	7,610	70	1,250	190	--	--
242+70	244+71	LT.	11	3	0	320	4	40	8	--	--
244+71	260+06	LT.	11	0	2	1,880	18	310	47	--	--
260+06	267+27	LT	11	3	0	1,130	8	140	28	--	--
267+27	278+06	LT.	11	0	2	1,320	14	220	33	--	--
278+06	287+47	LT.	11	3	0	1,470	10	180	37	--	--
287+47	288+56	LT.	11	0	2	140	2	30	4	--	--
288+56	292+54	LT.	11	3	0	620	6	80	16	--	--
292+54	295+26	LT.	11	0	2	340	4	60	9	--	--
295+26	312+25	LT.	11	3	0	2,650	18	320	66	--	--
148+12	157+15	RT.	12	3	0	1,510	12	190	38	903	--
157+15	176+55	RT.	11	0	2	2,380	22	390	60	1,940	--
176+55	178+77	RT.	11	3	0	350	4	50	9	222	--
178+77	241+24	RT.	11	0	2	7,640	70	1,260	191	6,247	--
241+24	247+21	RT.	11	3	0	930	8	120	23	597	--
247+21	263+77	RT.	11	0	2	2,030	20	340	51	1,656	--
263+77	265+37	RT.	11	3	0	250	2	30	6	160	--
265+37	296+66	RT.	11	0	2	3,830	36	630	96	3,129	--
296+66	303+05	RT.	11	3	0	1,000	8	120	25	639	--
303+05	309+57	RT.	11	0	2	800	8	140	20	652	--
309+57	312+25	RT.	11	3	0	420	4	60	11	268	--
SIDEROAD MILLING	--	--	--	--	--	3,930	30	480	98	--	--
ASPHALT DRIVEWAY MILLING	--	--	--	--	--	800	--	--	20	--	100
UNDISTRIBUTED	--	--	--	--	--	200	30	70	17	37	25
PROJECT TOTALS						63,500	550	9,000	1,600	21,200	125

* PAVEMENT DEPTH IN AREA OF NEW SHOULDERS IS 4.25 INCHES TOTAL (TWO LIFTS). SEE TYPICAL SECTIONS FOR MORE INFORMATION.

FENCE SAFETY

STATION - STATION		LOCATION	616.0700.S (LF)
155+00 - 162+00		STH 116 (LT/RT) & CTH K (LT/RT)	1500
PROJECT TOTALS			1,500

PAVEMENT MARKING EPOXY, TEMPORARY PAVEMENT MARKING

				649.0100 TEMPORARY PAVEMENT MARKING			
				PAVEMENT MARKING EPOXY			
				646.0406 SAME DAY	646.0106	646.0126	
				4-INCH (YELLOW) (LF)	4-INCH (WHITE) (LF)	8-INCH (WHITE) (LF)	4-INCH (YELLOW) (LF)
STATION	TO	STATION	LOCATION				
100+00	-	127+00	STH 116 (MILLED SURFACE)	3,550	5,200	200	5,400
127+00	-	153+00	STH 116 (MILLED SURFACE)	5,200	5,150	--	5,200
153+00	-	182+00	STH 116 (MILLED SURFACE)	4,250	5,650	--	5,800
182+00	-	211+00	STH 116 (MILLED SURFACE)	4,670	5,800	--	5,800
211+00	-	240+00	STH 116 (MILLED SURFACE)	4,800	5,800	--	5,800
240+00	-	266+00	STH 116 (MILLED SURFACE)	5,200	5,150	--	5,200
266+00	-	295+00	STH 116 (MILLED SURFACE)	5,800	5,800	--	5,800
295+00	-	312+25	STH 116 (MILLED SURFACE)	2,680	3,450	--	3,450
100+00	-	312+25	STH 116 (UPPER SURFACE)	--	--	--	3,400
UNDISTRIBUTED				200	200	50	150
PROJECT TOTALS				36,350	42,200	250	46,000

TRAFFIC CONTROL

		643.0300		643.0420		643.0705		643.0900	
		DRUMS		BARRICADES TYPE III		LIGHTS TYPE A		SIGNS	
LOCATION	DAYS	#	DAYS	#	DAYS	#	DAYS	#	DAYS
100+00 - 312+50	28	--	--	--	--	--	--	50	1,400
UNDISTRIBUTED	10	20	200	10	100	20	200	10	100
PROJECT TOTALS		200		100		200		1,500	

CONSTRUCTION STAKING

		650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE		650.9910 SUPPLEMENTAL CONTROL	
STATION - STATION ROADWAY		LF		LS	
100+00 - 312+25	STH 116	21,225		1	
PROJECT TOTALS		21,225		1	

WATER

LOCATION	ROADWAY	624.0100 (MGAL)
PROJECT	STH 116	2
PROJECT TOTALS		2

SECTION CORNER MONUMENTS

APPROX. STATION	LOCATION	SPV.0060.01 (EACH)	COMMENTS
191+50	APPROX. 3,100' NORTH OF CTH K 9TH STREET ROAD INTERSECTION	1	SECTION 30, T18N-R15E
218+00		1	SECTIONS 19/30, T18N-R15E
PROJECT TOTALS		2	

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.0202 SIGNS REFLECTIVE TYPE II S.F.	634.0614 POSTS WOOD 4X6X14 EACH	634.0616 POSTS WOOD 4X6X16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1	RIGHT TURN LANE ONTO STH 91	J3-1	24" X 57"	9.50	1		1	1	WEST STH 91
2	"	R1-1	36" X 36"	7.46	1		1	1	
3	STH 116/STH 91 INSIDE SPLITTER ISLAND	R4-7	24" X 30"	5.00	1		1	1	
4	"	R1-1	36" X 36"	7.46		1	1	1	
5	"	W4-4P	24" X 12"	2.00			1		
6	NORTH OF STH 91	J4-1	24" X 36"	6.00	1		1	1	EAST STH 116
7	"	D1-3	66" X 42"	19.25	1	1	1	2	SEE SIGN DETAIL SHEET
8	"	J3-2	48" X 57"	19.00	1		1	1	EAST STH 91, SOUTH CTH M
9	"	R2-1	24" X 30"	5.00	1		1	1	35 MPH
10	SOUTH OF OLD MILL RD	W3-1	36" X 36"	9.00	1				
11	OLD MILL RD	R1-1					1	1	
12	"	R1-1	30" X 30"	5.18	1		1	1	
13	NORTH OF OLD MILL RD	R2-1	24" X 30"	5.00	1		1	1	35 MPH
14	"	W3-1					1	1	
15	SOUTH OF CENTRAL ST	J1-1	24" X 39"	6.50	1		1	1	END 116
16	"	R2-1	24" X 30"	5.00	1		1	1	35 MPH
17	CENTRAL ST	R1-1	30" X 30"	5.18	1		1	1	
18	NORTH OF CENTRAL ST	J1-2	48" X 39"	13.00	1		1	1	JCT STH 91, JCT CTH M
19	"	W14-3	48" X 36"	6.00	1		1	1	
20	"	W14-3	48" X 36"	6.00	1		1	1	
21	MECHANIC ST	R1-1	30" X 30"	5.18	1		1	1	
22	"	R1-1	30" X 30"	5.18	1		1	1	
23	BETWEEN ARCHERY DR AND MECHANIC ST	R2-1	24" X 30"	5.00	1		1	1	35 MPH, MOVED FROM STA 129+00 TO 127+00
24	ARCHERY DR	R1-1	30" X 30"	6.25	1		1	1	
25	BETWEEN ARCHERY DR AND MECHANIC ST	W5-2	36" X 36"	9.00	1		1	1	
26	NORTH OF ARCHERY DR	R2-1	24" X 30"	5.00	1		1	1	35 MPH
27	"	J1-1	24" X 39"	6.50	1		1	1	JCT CTH K
28	"	W5-52R	12" X 36"	3.00	1		1	1	
29	"	W5-52L	12" X 36"	3.00	1		1	1	
30	"	W5-52R	12" X 36"	3.00	1		1	1	
31	"	W5-52L	12" X 36"	3.00	1		1	1	
32	SOUTH OF MONROE ST	R2-1	24" X 30"	5.00	1		1	1	35 MPH, MOVED FROM STA 137+50 TO 133+50
33	"	W5-2	36" X 36"	9.00	1		1	1	
34	"	D1-2	90" X 24"	15.00	1	1	1	2	SEE SIGN DETAIL SHEET
34A	"	D1-1	54" X 15"	5.63		1	1	1	SEE SIGN DETAIL SHEET
PROJECT SUBTOTALS				230.27	30	4	34	35	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.0202 SIGNS REFLECTIVE TYPE II S.F.	634.0614 POSTS WOOD 4X6X14 EACH	634.0616 POSTS WOOD 4X6X16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
35	MONROE ST	R1-1	30" X 30"	5.18	1		1	1	
36	NORTH OF MONROE ST	J13-1	24" X 45"	7.50		1	1	1	CTH K
37	"	W4-4AR	42" X 15"	4.38			1		
38	"	J4-1	24" X 36"	6.00	1		1	1	WEST STH 116, MOVED FROM 133+50 TO 137+50
39	"	R2-1	24" X 30"	5.00	1		1	1	35 MPH
40	CTH K / STH 116 BREAKPOINT	W1-6	48" X 24"	8.00	1		1	1	
41	CTH K	R1-1	36" X 36"	7.46	1		1	1	
42	"	R1-1	36" X 36"	7.46	1		1	1	
43	CTH K / STH 116 BREAKPOINT	W1-6	48" X 24"	8.00	1		1	1	
44	CTH K / STH 116	J13-1	24" X 45"	7.50	1		1	1	CTH K
45	"	J4-1	24" X 36"	6.00	1		1	1	
46	"	D7-58R	78" X 36"	19.50	1	1	1	2	SEE SIGN DETAIL SHEET
47	"	D1-1	60" X 15"	6.25			1		MOUNT BELOW SIGN #46, SEE SIGN DETAIL SHEET
48	"	R2-1	24" X 30"	5.00	1		1	1	35 MPH
49	"	D1-1	84" X 15"	8.75	1	1	1	2	SEE SIGN DETAIL SHEET
50	"	D1-1	84" X 15"	8.75	1	1	1	2	SEE SIGN DETAIL SHEET
51	"	R2-1	24" X 30"	5.00	1		1	1	55 MPH
52	"	J13-1	24" X 45"	7.50	1		1	1	CTH K
53	"	J13-1	24" X 45"	7.50	1		1	1	CTH K
54	"	I2-3	54" X 24"	9.00	1		1	1	SEE SIGN DETAIL SHEET
55	"	D1-2	66" X 30"	13.75	1		1	1	SEE SIGN DETAIL SHEET
56	"	R2-5A					2	1	REMOVE W13-1W ALSO
57	"	W3-6	36" X 36"	9.00	1		1	1	35 MPH
58	"	J4-1	24" X 36"	6.00	1		1	1	WEST STH 116
59	"	J13-1	24" X 45"	7.50	1		1	1	CTH K
60	CTH K / STH 116 BREAKPOINT	W1-7	48" X 24"	8.00	1		1	2	
61	CTH K	R1-1					1	1	
62	"	R1-1	36" X 36"	7.48	1		1	1	
63	"	J13-2	48" X 45"	15.00		1	1	1	CTH K, STH 116
64	NORTH OF CTH K	J13-1	24" X 45"	7.50	1		1	1	CTH K
65	"	J4-1	24" X 36"	6.00	1		1	1	EAST STH 116
66	"	D2-2	90" X 24"	15.00	1	1	1	2	SEE SIGN DETAIL SHEET
67	"	W1-1L	36" X 36"	9.00		1	1	1	
68	"	W13-1	18" X 18"	2.25			1		25 MPH, MOUNT BELOW SIGN #67
PROJECT SUBTOTALS				256.21	26	7	35	36	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.0202 SIGNS REFLECTIVE TYPE II S.F.	634.0614 POSTS WOOD 4X6X14 EACH	634.0616 POSTS WOOD 4X6X16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
69	NORTH OF CTH K	W1-4R	30" X 30"	6.25	1		1	1	MOUNT ON BACKSIDE OF SIGN #67
70	"	W13-1	18" X 18"	2.25			1		35 MPH, MOUNT BELOW SIGN #69
71	"	W1-1L	36" X 36"	9.00	1		1	1	
72	"	W13-1	18" X 18"	2.25			1		MOUNT BELOW SIGN #71
73	"	W14-3	48" X 36"	6.00	1		1	1	
74	"	W14-3	48" X 36"	6.00	1		1	1	
75	"	J1-1	24" X 39"	6.50	1		1	1	JCT CTH K
76	"	W1-8	18" X 24"	3.00	1		1	1	
77	"	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #76
78	"	W1-8	18" X 24"	3.00	1		1	1	
79	"	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #78
80	"	W1-8	18" X 24"	3.00	1		1	1	
81	"	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #80
82	"	W1-6	48" X 24"	8.00	1		1	1	
83	"	W1-8					1		
84	"	W1-6	48" X 24"	8.00	1		1	1	
85	"	W1-8	18" X 24"	3.00	1		1	1	
86	"	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #85
87	"	W1-8	18" X 24"	3.00	1		1	1	
88	"	W1-8	18" X 24"	3.00			1		MOUNT ON BACKSIDE OF SIGN #87
89	"	W1-8	18" X 24"	3.00	1		1	1	
90	"	W1-8	18" X 24"	3.00			1		MOUNT ON BACKSIDE OF SIGN #89
91	"	W1-8	18" X 24"	3.00	1		1	1	
92	"	W1-8	18" X 24"	3.00			1		MOUNT ON BACKSIDE OF SIGN #91
93	BETWEEN CTH K AND 9TH STREET	W14-3	48" X 36"	6.00	1		1	1	
94	"	W14-3	48" X 36"	6.00	1		1	1	
95	"	W11-7	30" X 30"	6.25			1		
96	"	W1-1R	36" X 36"	9.00		1	1	1	MOUNT ON BACKSIDE OF SIGN #95
97	"	W13-1	18" X 18"	2.25			1		25 MPH, MOUNT BELOW SIGN #96
98	"	W1-1R	36" X 36"	9.00		1	1	1	
99	"	W13-1	18" X 18"	2.25			1		25 MPH, MOUNT BELOW SIGN #98
100	SOUTH OF 9TH STREET	W11-7	30" X 30"	6.25	1		1	1	
101	"	W14-3	48" X 36"	6.00	1		1	1	
102	"	W14-3	48" X 36"	6.00	1		1	1	
PROJECT SUBTOTALS				149.00	19	2	30	21	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.0202 SIGNS REFLECTIVE TYPE II S.F.	634.0614 POSTS WOOD 4X6X14 EACH	634.0616 POSTS WOOD 4X6X16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
103	SOUTH OF 9TH STREET	I55-56	30" X 36"	7.50	1		1	1	SEE PLAN SHEET
104	9TH STREET	W1-7	48" X 24"	8.00	1		1	1	
105	"	R1-1	30" X 30"	5.18	1		1	1	
106	NORTH OF 9TH STREET	I55-56	30" X 36"	7.50	1		1	1	SEE PLAN SHEET
107	"	W2-2	30" X 30"	6.25	1		1	1	
108	"	W14-3	48" X 36"	6.00	1		1	1	
109	"	W1-1R	36" X 36"	9.00		1	1	1	
110	"	W13-1	18" X 18"	2.25			1		30 MPH, MOUNT BELOW SIGN #109
111	"	J1-1	24" X 39"	6.50	1		1	1	JCT CTH E
112	"	W14-3	48" X 36"	6.00	1		1	1	
113	CLIFF WEST RD	R1-1	30" X 30"	5.18	1		1	1	
114	NORTH OF CLIFF WEST RD	J13-1	24" X 45"	7.50		1	1	1	CTH E
115	"	W4-4AR	42" X 15"	4.38					MOUNT BELOW SIGN #114
116	2ND STREET	R1-1	30" X 30"	5.18	1		1	1	
117	"	W1-6	48" X 24"	8.00	1		1	1	
118	CTH E / STH 116	W1-8	18" X 24"	3.00	1				
119	"	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #118
120	"	W1-8	18" X 24"	3.00	1				
121	"	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #120
122	"	W1-8	18" X 24"	3.00	1				
123	"	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #122
124	CTH E	R1-1	36" X 36"	7.48	1		1	1	
125	"	W1-6	48" X 24"	8.00	1		1	1	
126	CTH E / STH 116	W1-6	48" X 24"	8.00	1		1	1	
127	"	J13-1	24" X 45"	7.50	1		1	1	CTH E
128	"	W1-1L	36" X 36"	9.00		1	1	1	
129	"	W13-1	18" X 18"	2.25			1		30 MPH, MOUNT BELOW SIGN #128
130	"	D1-2	54" X 30"	11.25	1		1	1	SEE SIGN DETAIL SHEET
131	"	J13-2	48" X 45"	15.00	1	1	1	1	STH 116, CTH E
132	"	J13-2	48" X 45"	15.00	1	1	1	1	STH 116, CTH E
133	"	D1-2	66" X 24"	11.00	1	1	1	2	SEE SIGN DETAIL SHEET
134	"	W1-1L	36" X 36"	9.00		1	1	1	
135	"	W13-1	18" X 18"	2.25			1		30 MPH
136	"	J13-1	24" X 45"	7.50	1		1	1	CTH E
PROJECT SUBTOTALS				218.15	23	7	27	25	

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ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.0202 SIGNS REFLECTIVE TYPE II S.F.	634.0614 POSTS WOOD 4X6X14 EACH	634.0616 POSTS WOOD 4X6X16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
137	CTH E	W1-6	48" X 24"	8.00	1		1	1	
138	"	W1-6	48" X 24"	8.00	1		1	1	
139	"	R1-1	36" X 36"	7.48	1		1	1	
140	CTH E / STH 116 BREAKPOINT	W1-8	18" X 24"	3.00	1				
141	"	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #140
142	"	W1-8	18" X 24"	3.00	1				
143	"	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #142
144	"	W1-8	18" X 24"	3.00	1				
145	"	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #144
146	"	W1-6	48" X 24"	8.00	1		1	1	
147	"	R1-1	30" X 30"	5.18	1		1	1	
148	"	J13-1	24" X 45"	7.50		1	1	1	CTH E
149	"	W4-4AR	42" X 15"	4.38					MOUNT BELOW SIGN #148
150	NORTH OF CTH E	I2-3	60" X 24"	10.00	1	1	1	2	SEE SIGN DETAIL SHEET
151	"	W1-2R					1	1	
152	"	W13-1					1		
153	"	J4-1	24" X 36"	6.00	1				EAST STH 116
154	"	J4-1					1	1	
155	"	W1-2R	30" X 30"	6.25		1			
156	"	W13-1	18" X 18"	2.25					50 MPH, MOUNT BELOW SIGN #155
157	"	J1-1	24" X 39"	6.50	1		1	1	JCT CTH E
158	"	W1-1R	36" X 36"	9.00		1	1	1	
159	"	W13-1	18" X 18"	2.25			1		30 MPH, MOUNT BELOW SIGN #158
160	"	W1-2L	30" X 30"	6.25		1	1	1	
161	"	W13-1	18" X 18"	2.25			1		45 MPH, MOUNT BELOW SIGN #160
162	"	W1-2L	30" X 30"	6.25		1	1	1	
163	"	W13-1	18" X 18"	2.25			1		50 MPH, MOUNT BELOW SIGN #162
164	"	W1-6	48" X 24"	8.00	1				
165	"	W1-6	48" X 24"	8.00	1				
166	"	W1-1R	36" X 36"	9.00		1	1	1	
167	"	W13-1	18" X 18"	2.25			1		30 MPH, MOUNT BELOW SIGN #166
168	"	W1-2R	30" X 30"	6.25		1	1	1	
169	"	W13-1	18" X 18"	2.25			1		45 MPH, MOUNT BELOW SIGN #168
170	"	W1-8	18" X 24"	3.00	1				
PROJECT SUBTOTALS				156.54	14	8	21	16	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

ERECTION & REMOVAL OF PERMANENT SIGNING, TYPE II

SIGN NO.	LOCATION	SIGN CODE	W X H	637.0202 SIGNS REFLECTIVE TYPE II S.F.	634.0614 POSTS WOOD 4X6X14 EACH	634.0616 POSTS WOOD 4X6X16 EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
171	NORTH OF CTH E	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #170
172	"	W1-8	18" X 24"	3.00	1				
173	"	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #172
174	"	W1-8	18" X 24"	3.00	1				
175	"	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #174
176	"	W1-6	48" X 24"	8.00	1				
177	"	W1-6	48" X 24"	8.00	1				
178	"	W1-8	18" X 24"	3.00	1				
179	"	W1-8	18" X 24"	3.00					MOUNT ON BACKSIDE OF SIGN #178
180	"	R2-5A					2	1	ALSO REMOVE W13-1W
181	"	W3-5	36" X 36"	9.00	1		1	1	25 MPH
182	"	D2-2	60" X 24"	10.00	1		1	1	SEE SIGN DETAIL SHEET
183	"	W14-3	48" X 36"	6.00	1		1	1	
184	"	J4-1	24" X 36"	6.00	1		1	1	WEST STH 116
185	"	W1-1L	36" X 36"	9.00		1	1	1	
186	"	W13-1	18" X 18"	2.25			1		
187	"	R2-1	24" X 30"	5.00	1		1	1	55 MPH
188	"	R2-1	24" X 30"	5.00	1		1	1	25 MPH
PROJECT SUBTOTALS				86.25	11	1	10	8	
Project Totals				1096.40	123.00	29.00	157.00	141.00	

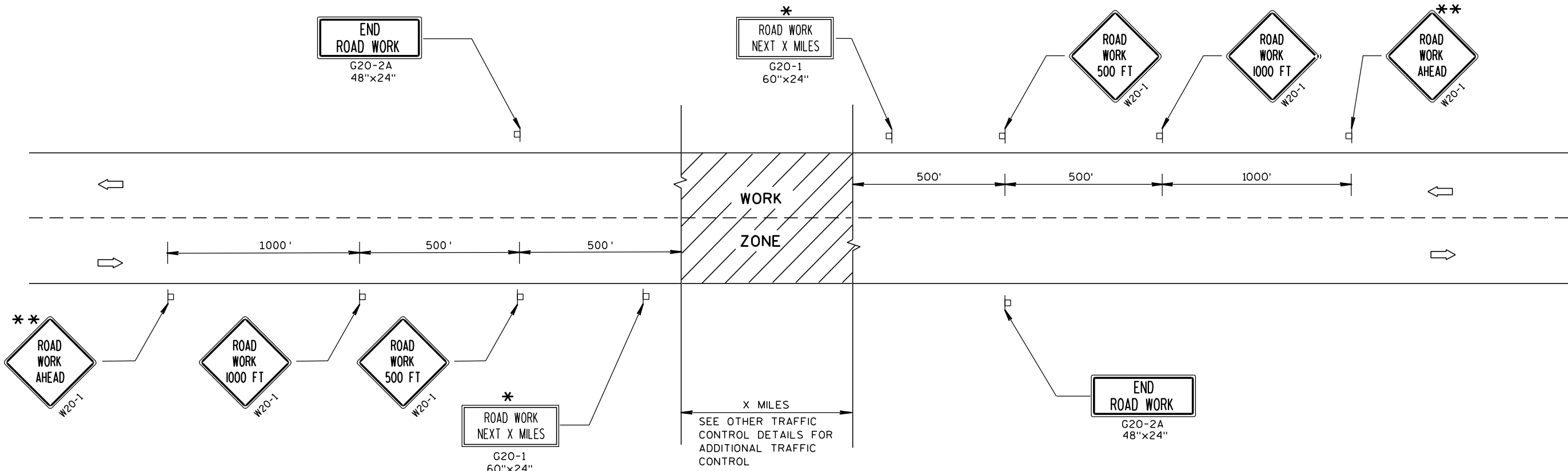
PLAN SHEET PRODUCED
BY WisDOT - NE REGION

SAWING ASPHALT

690.0150			
STATION	LOCATION	(LF)	COMMENTS
100+00	CL	55	BEGIN PROJECT/ STH 116/STH 91 INTERSECTION
102+00	RT	50	DRIVEWAY
106+85	LT	20	DRIVEWAY
109+60	RT	25	OLD MILL ROAD
111+25	LT	25	DRIVEWAY
113+05	LT	15	DRIVEWAY
116+25	LT	20	SOUTH STREET
116+70	RT	20	DRIVEWAY
121+65	LT	20	MECHANIC STREET
121+65	RT	20	MECHANIC STREET
125+65	LT	25	ARCHERY STREET
125+65	RT	25	COMMERCIAL STREET
132+15	RT	80	TWO DRIVEWAYS
135+75	LT	20	MONROE STREET
138+35	RT	20	DRIVEWAY
140+00	LT	25	CTH K (NORTH)
141+00	LT	30	CTH K (NORTH) CONNECTOR
146+80	RT	25	DRIVEWAY
154+15	LT	20	DRIVEWAY
159+40	RT	25	CTH K (EAST)
159+40	LT	20	DRIVEWAY
163+50	LT	20	DRIVEWAY
185+70	LT	15	DRIVEWAY
202+15	LT	15	DRIVEWAY
204+65	LT	15	DRIVEWAY
218+15	RT	30	9TH STREET ROAD
227+45	LT	20	DRIVEWAY
238+10	RT	25	CLIFF WEST ROAD
242+75	LT	60	2ND STREET ROAD
244+80	LT	80	CTH E (WEST)
254+35	RT	20	DRIVEWAY
263+75	RT	25	CTH E (EAST)
265+40	RT	25	CTH E (EAST) CONNECTOR
312+25	CL	30	END PROJECT
PROJECT TOTAL		965	

Standard Detail Drawing List

15C04-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-15A	PAVEMENT MARKING (MAINLINE)
15C08-15B	PAVEMENT MARKING (INTERSECTIONS)
15C08-15F	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C19-01A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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

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

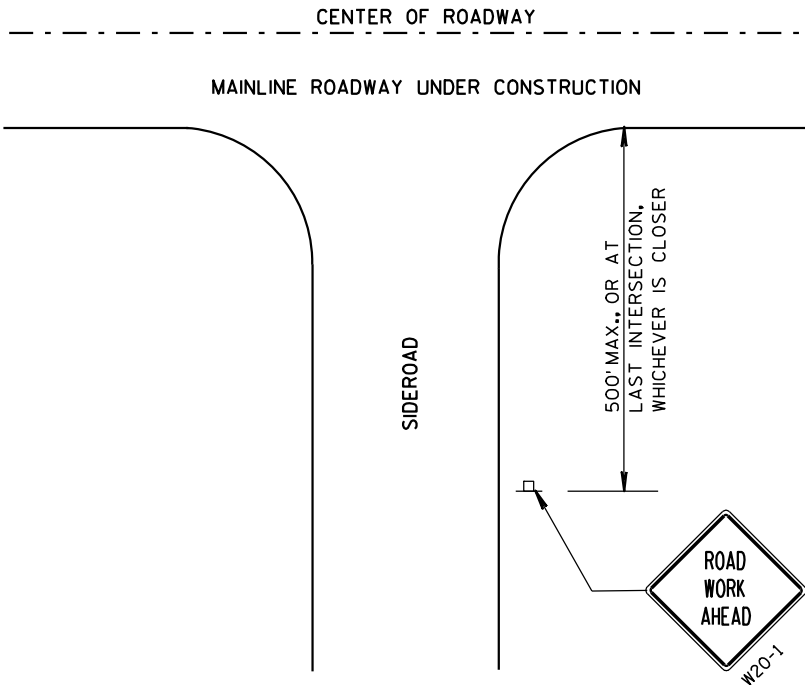
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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

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



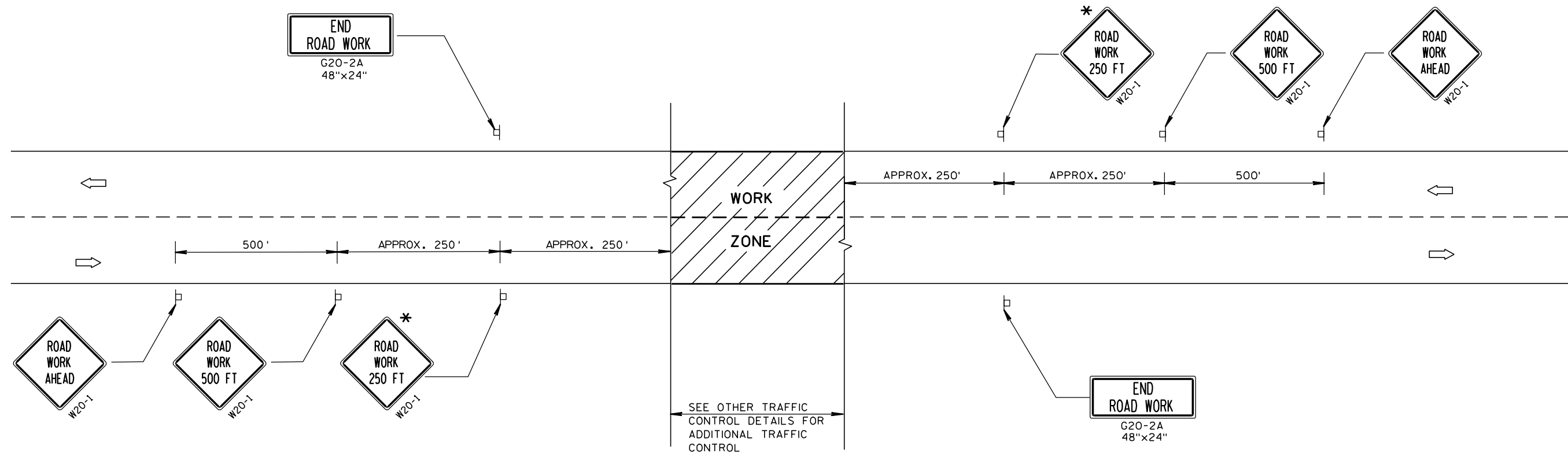
LEGEND

- POST MOUNTED SIGN
- DIRECTION OF TRAFFIC FLOW

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



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.

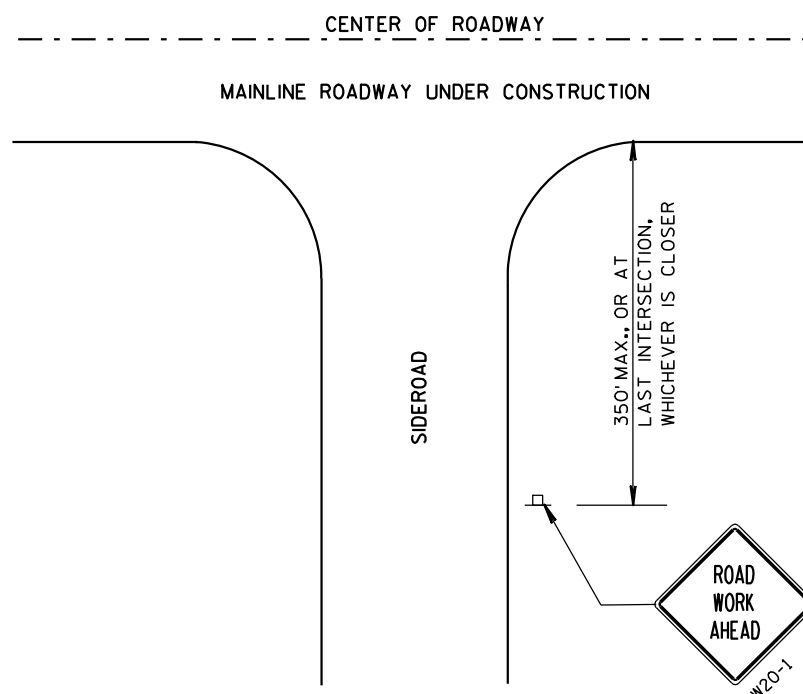
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

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.

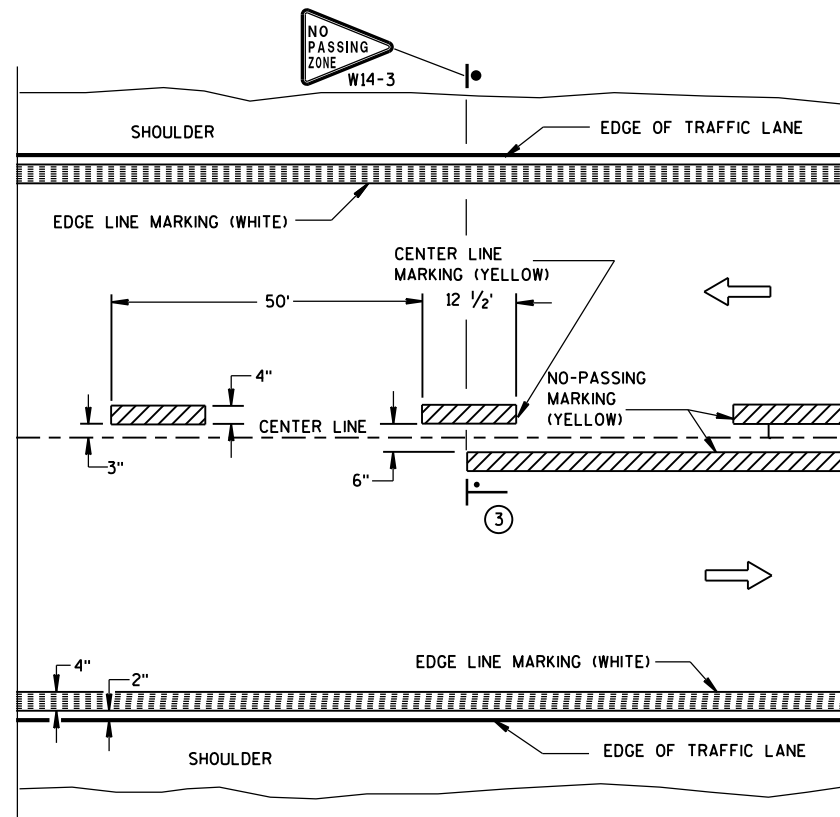
* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



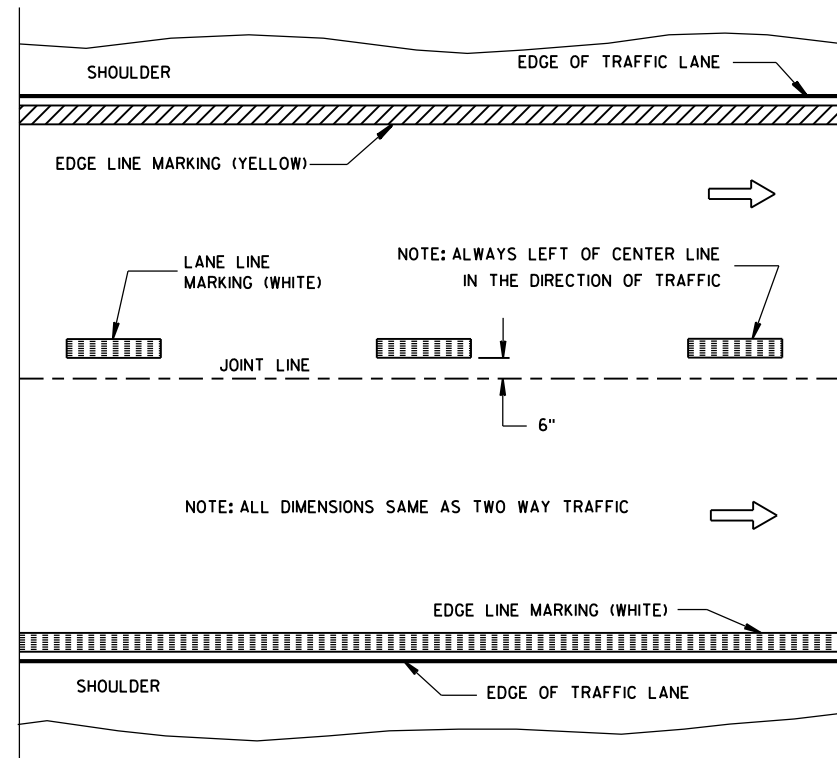
LEGEND

- POST MOUNTED SIGN
- ➡ DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 5/23/00 DATE	/S/ Chester J. Spang CHIEF SIGNS AND MARKING ENGINEER
FHWA	

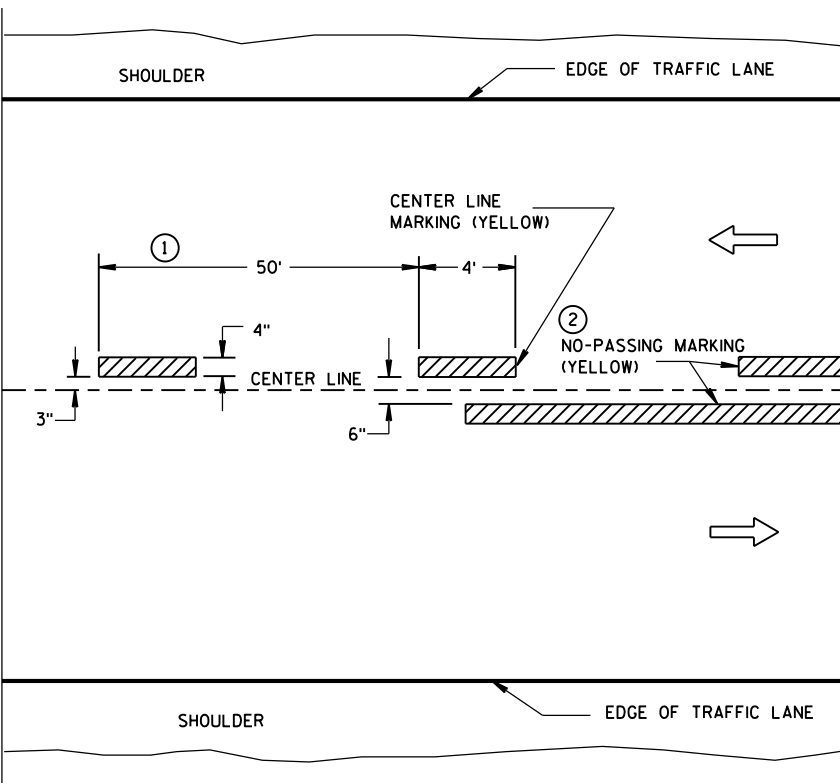


TWO WAY TRAFFIC

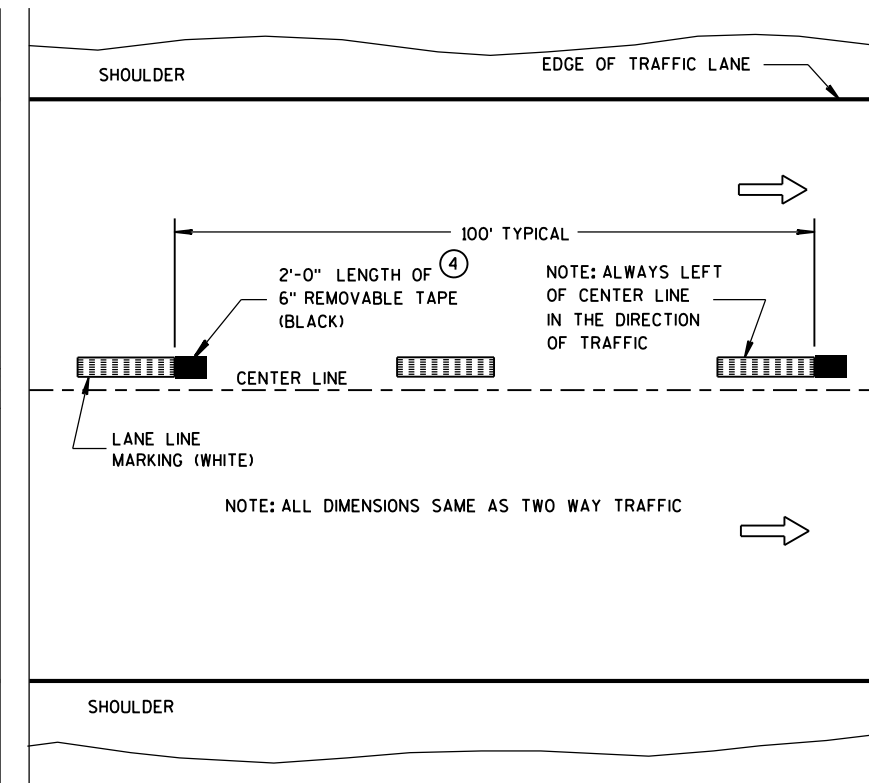


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

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

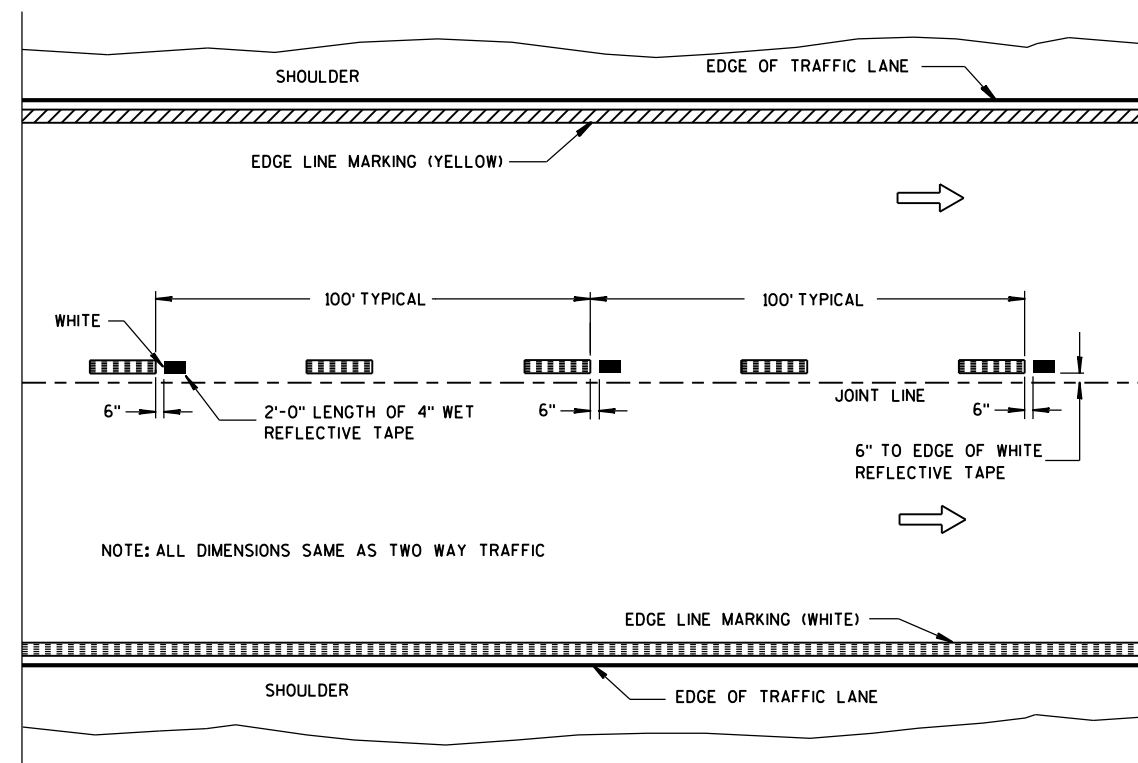
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- ① HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
- ② NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
- ③ NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
- ④ CONCRETE ONLY.

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL



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

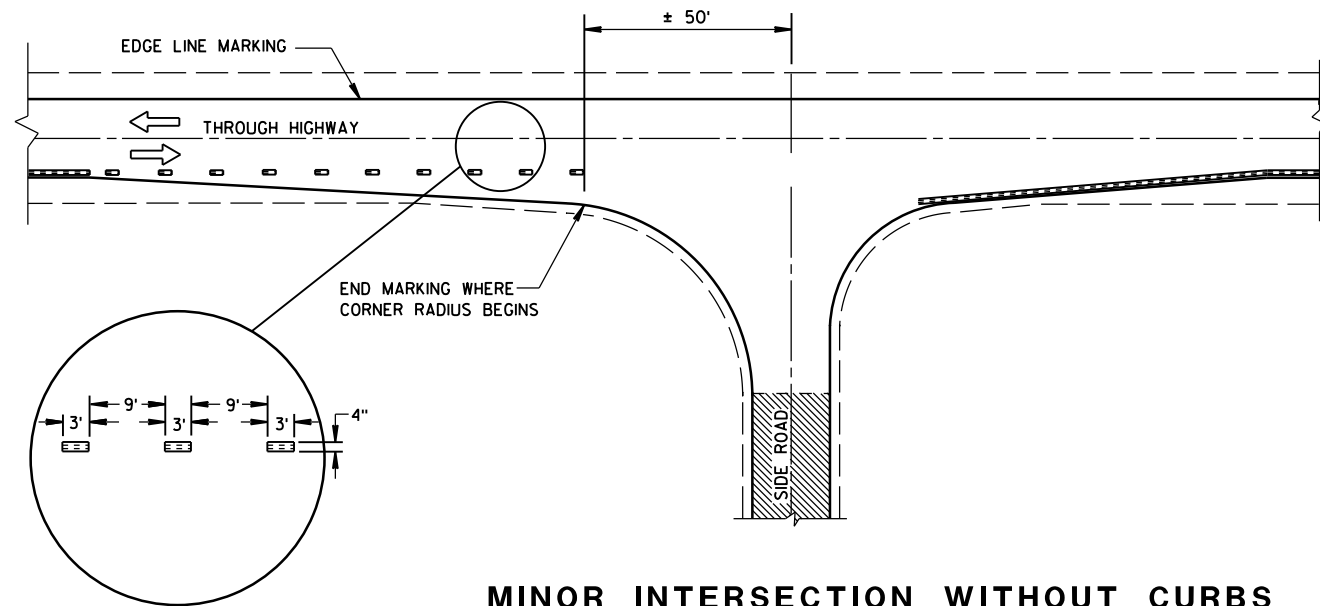
LEGEND

- "T" MARKING
- POST MOUNTED SIGN

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

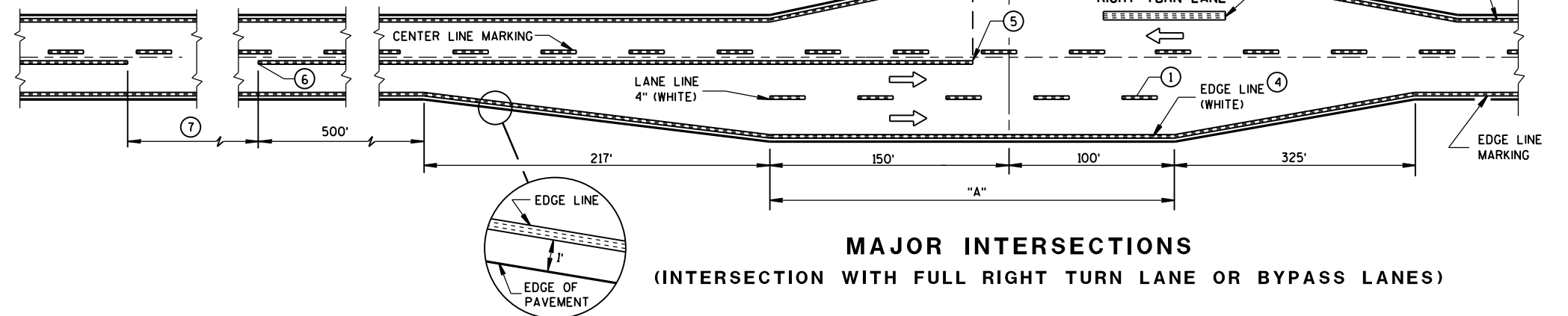
APPROVED
10-1-2012 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



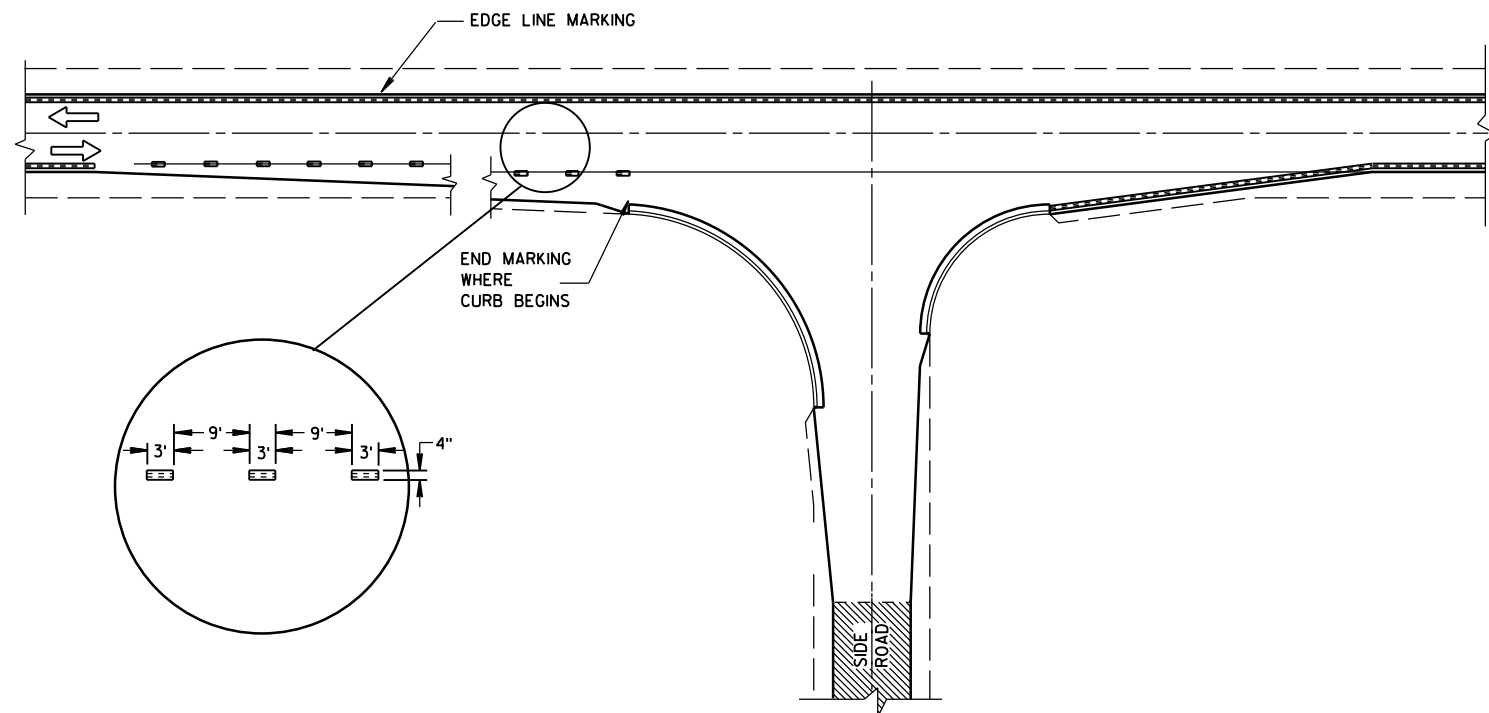
MINOR INTERSECTION WITHOUT CURBS

⑦

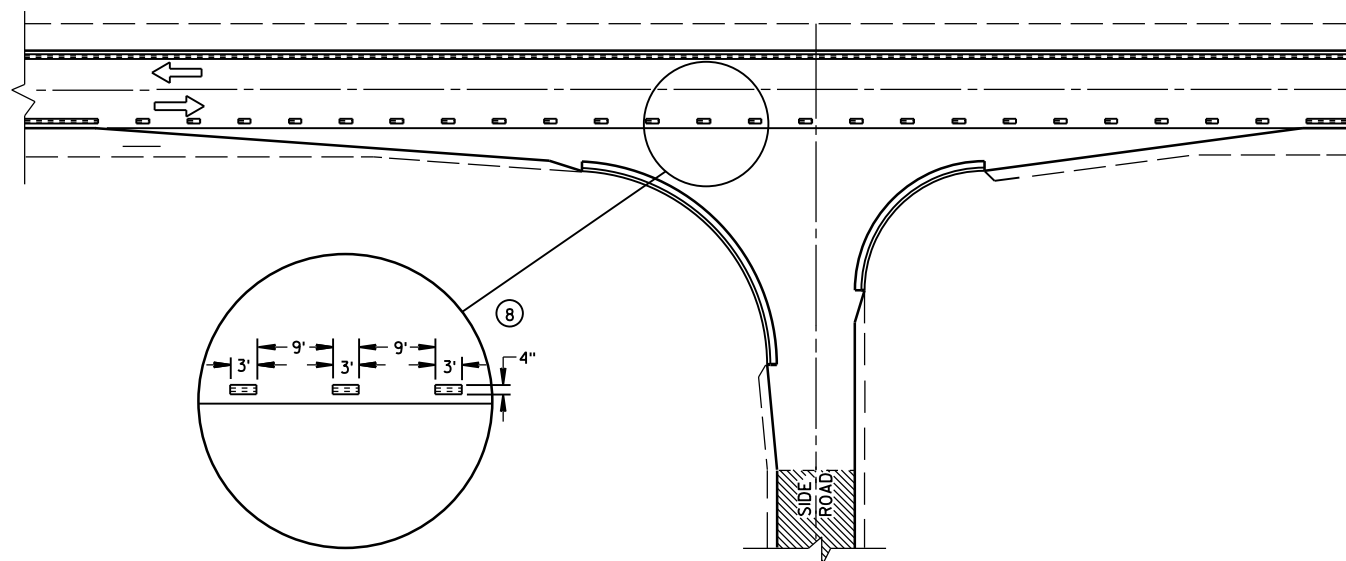
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



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



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



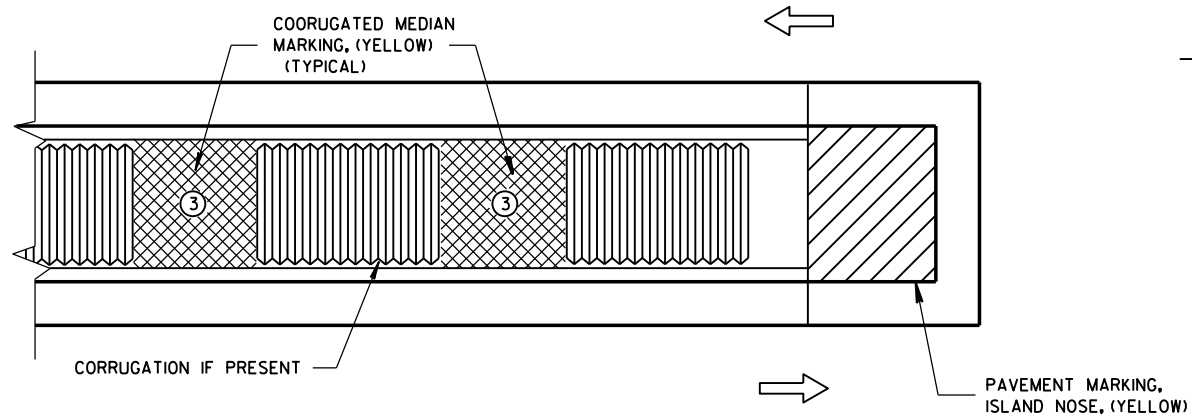
MINOR INTERSECTION WITH CURBS
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

GENERAL NOTES

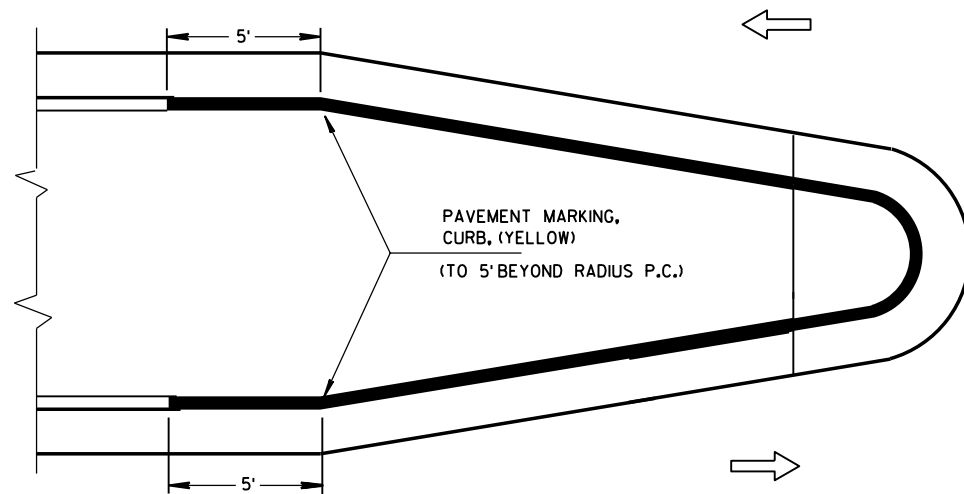
- EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
 - ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
 - ③ ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.
 - ④ THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.
 - ⑤ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
 - ⑥ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
 - ⑦ IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.
 - ⑧ 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
- ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

PAVEMENT MARKING
(INTERSECTIONS)

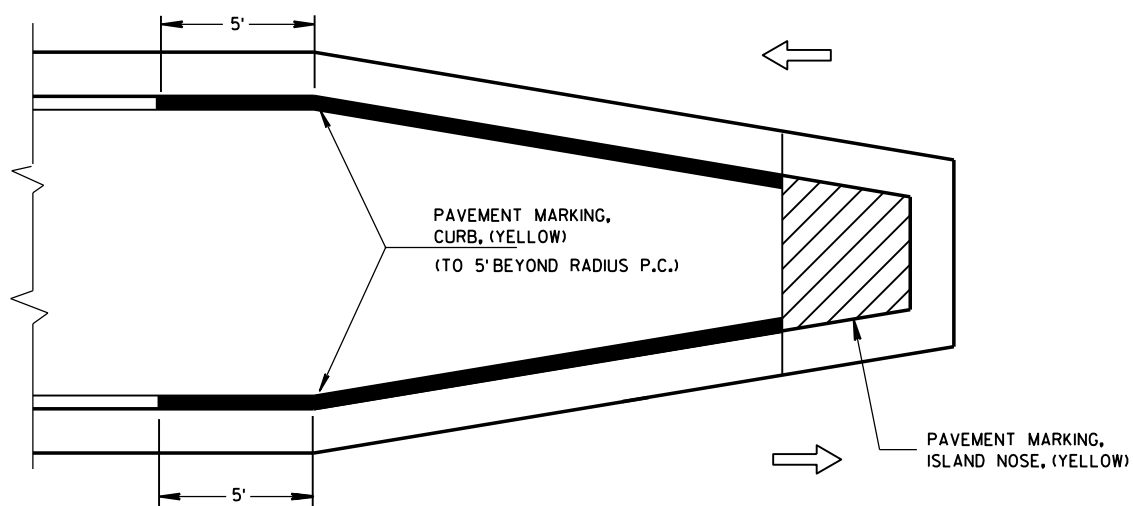
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

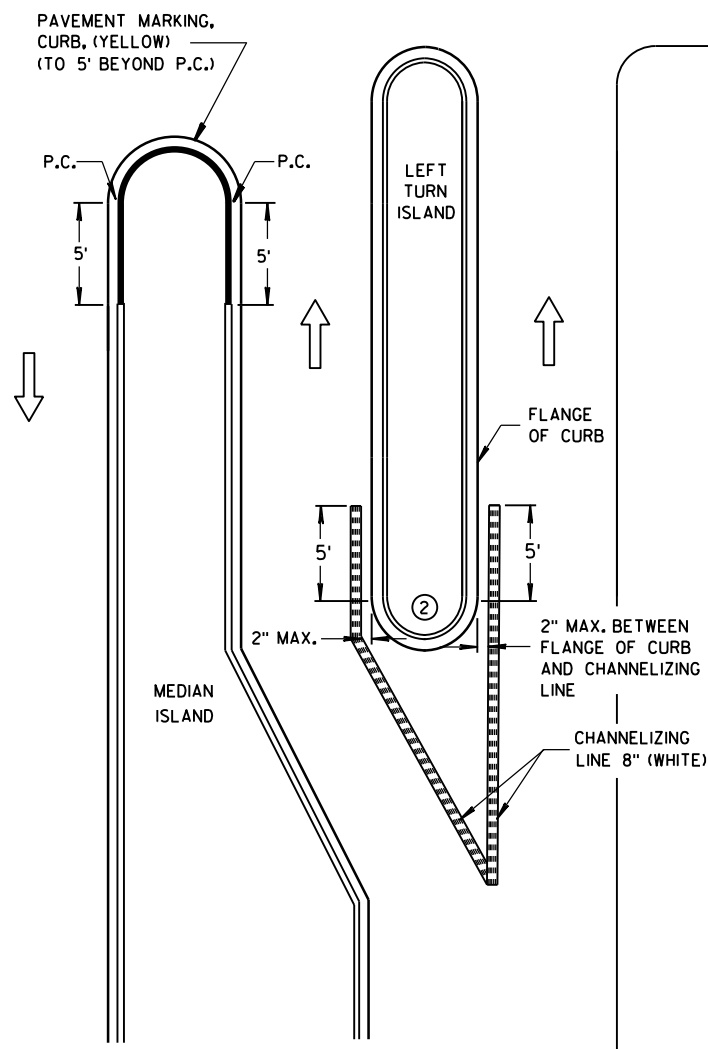


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

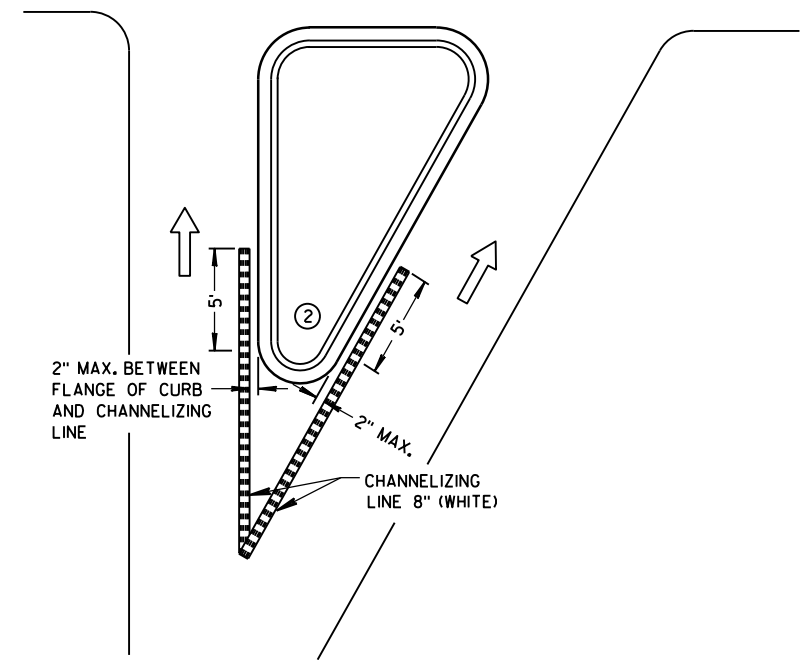
TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

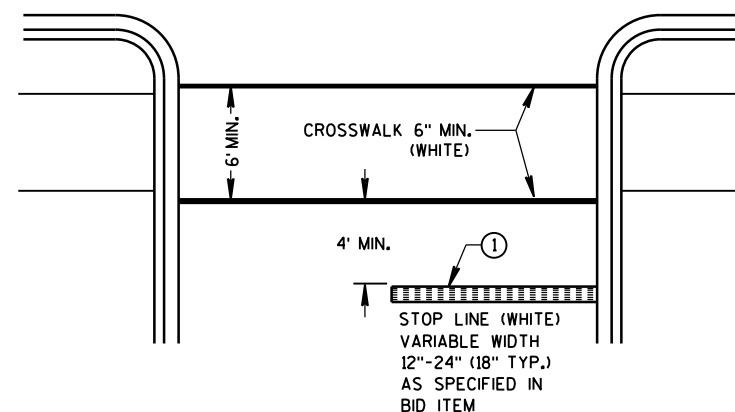
- ① STOP LINE IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
- ② DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
- ③ WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN, THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND

LEGEND

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



STOP LINE AND CROSSWALK

PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TWO-LANE ROADWAY

SYMBOLS



WORK AREA



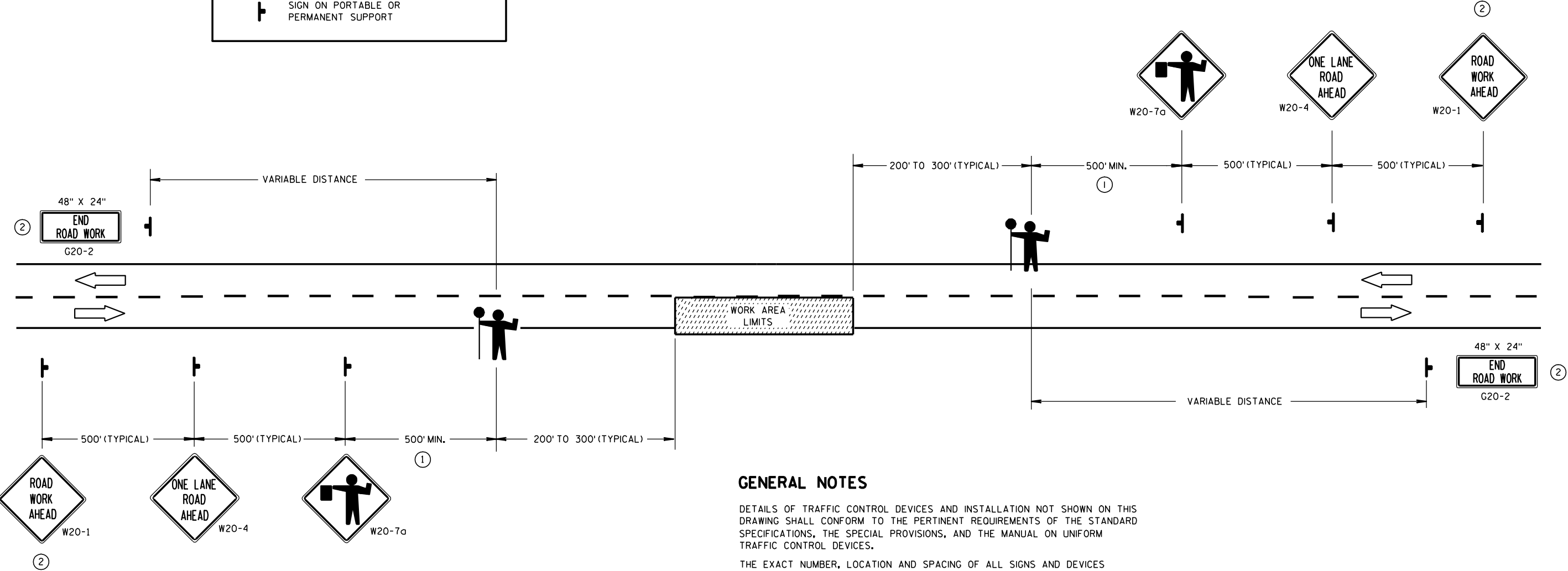
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



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.

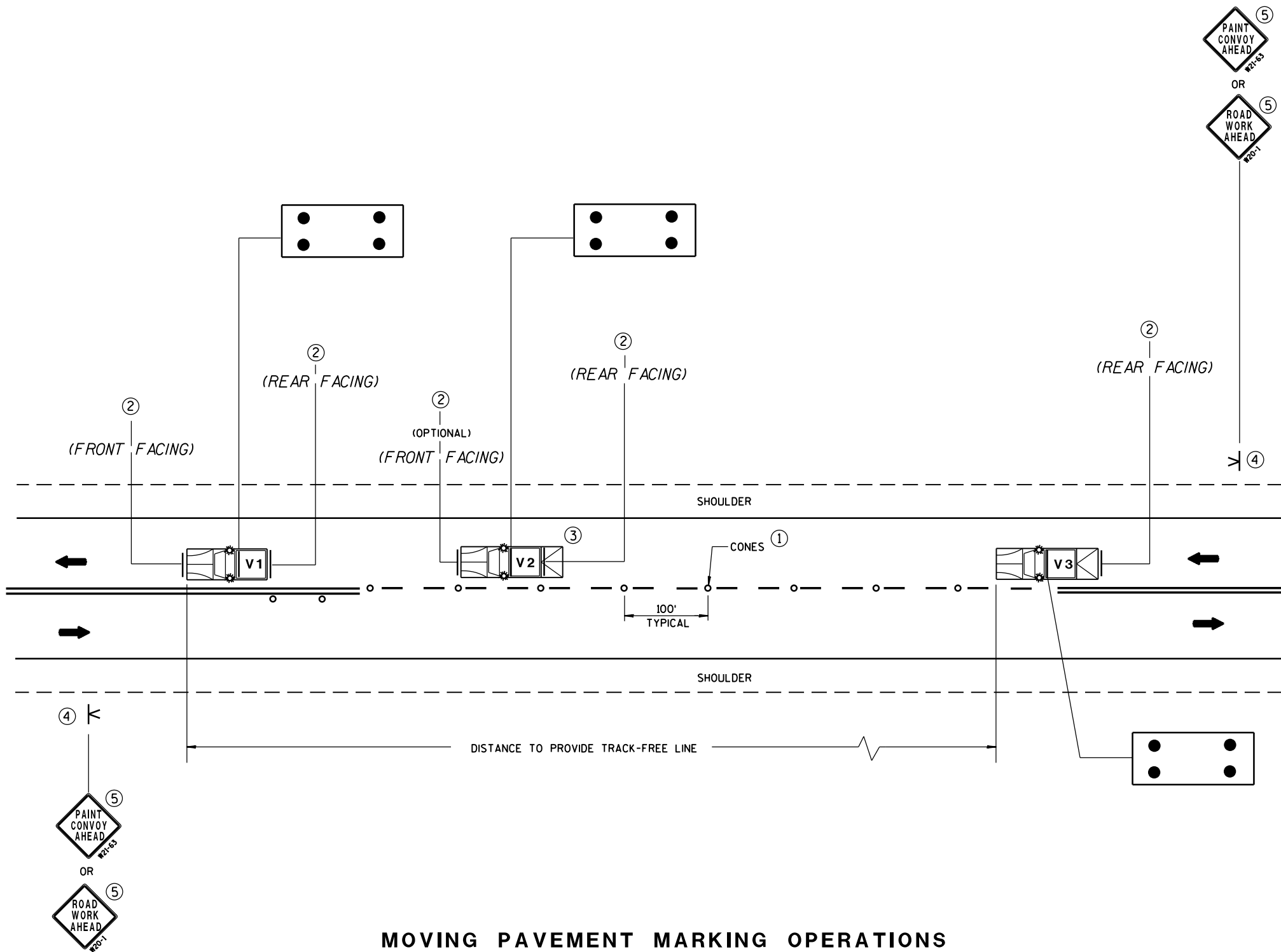
TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/5/06
DATE

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

FHWA



MOVING PAVEMENT MARKING OPERATIONS
TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

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

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

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

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

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

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

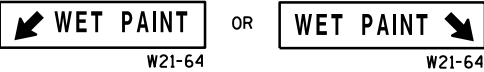
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

① CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

② USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.



③ OPTIONAL TRUCK-MOUNTED ATTENUATOR.

④ SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

⑤ IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

V1 LEAD VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE WITH TMA

TMA TRUCK-MOUNTED ATTENUATOR

K SIGN ON PORTABLE SUPPORT

→ DIRECTION OF TRAVEL

○ CONES

⬢ FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

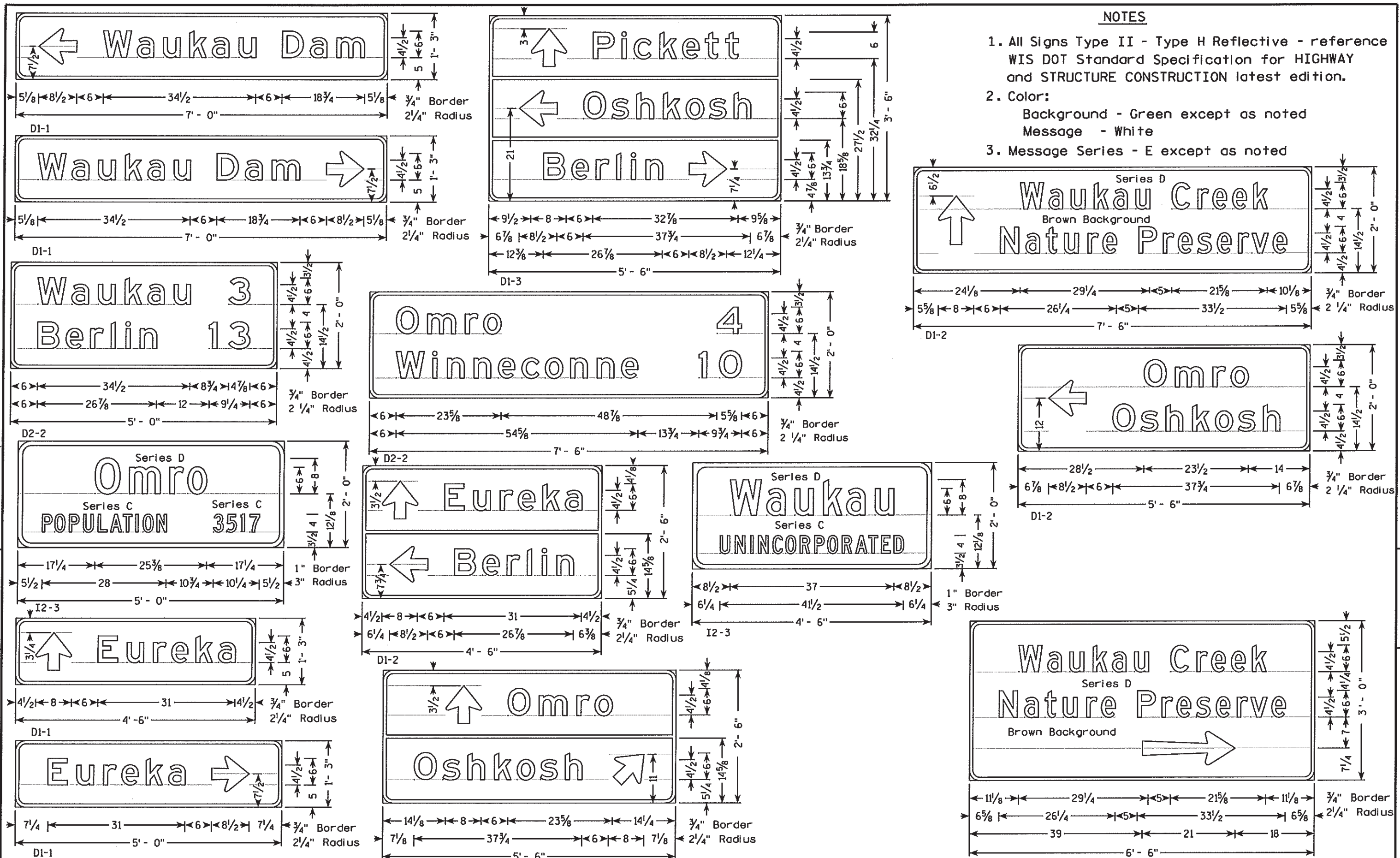
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/6/2011
DATE

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

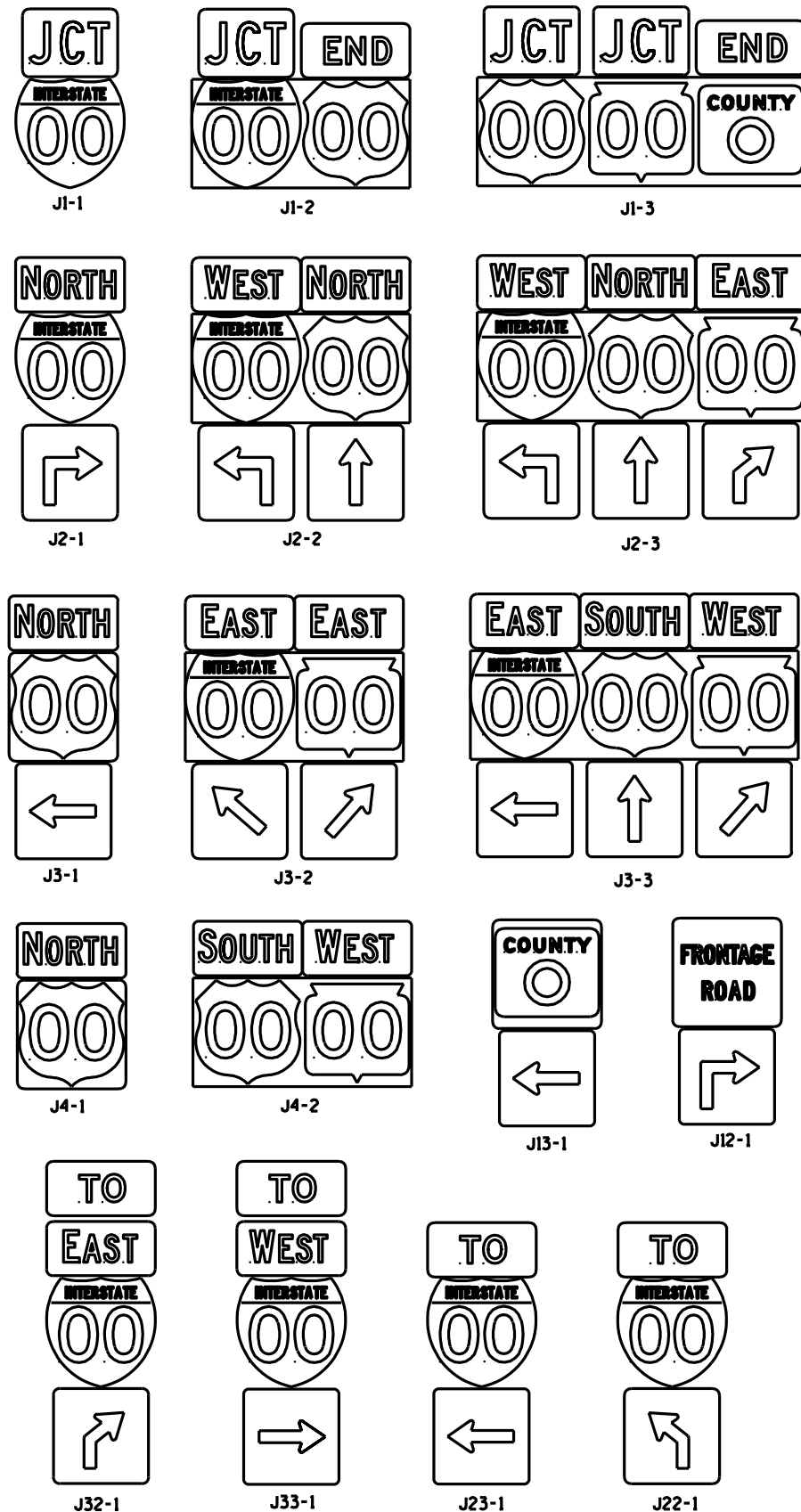
FHWA



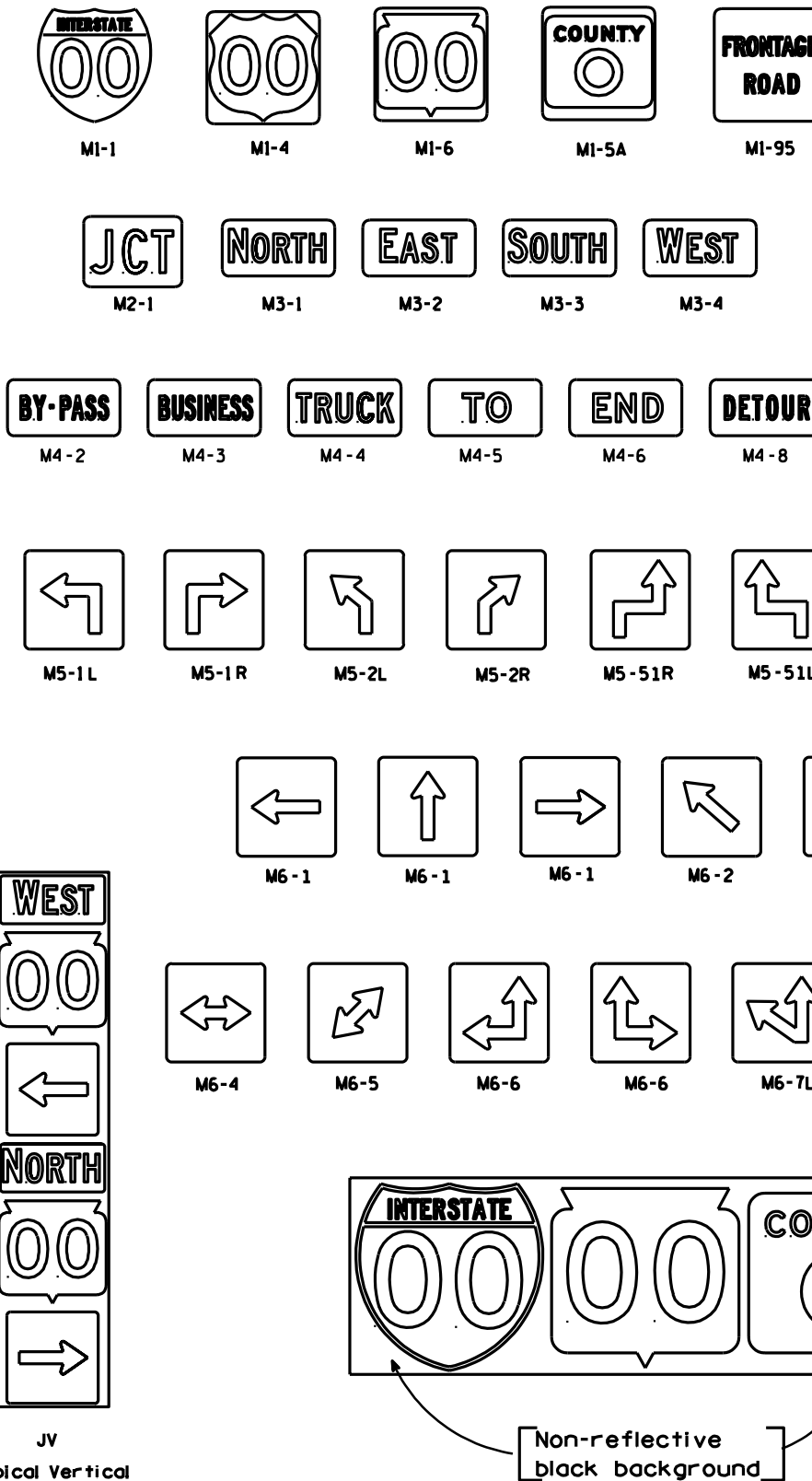
NOTES

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

TYPICAL ASSEMBLIES



INDIVIDUAL COMPONENTS OF ASSEMBLIES



GENERAL NOTES

- All components within any individual assembly shall be the same "size". The following table illustrates that situation:
- For any assembly containing two or more route markers, the route markers SHALL be placed on a single high density overlay PLYWOOD panel. All other materials within the assembly can be either plywood or aluminum.
- Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 marker shall be blue.
- All vertical J assemblies are given a sign code of JV.

SIZE	M1'S	M2	M3'S & M4'S	M5'S & M6'S
2	24 X 24	21 X 15	24 X 12	21 X 21
3,4-5	36 X 36	30 X 21	30 X 15	30 X 30

ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 3/06/00

A2-1.6

PROJECT NO:

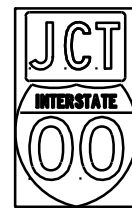
HWY:

COUNTY:

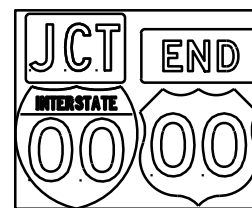
SHEET NO:

E

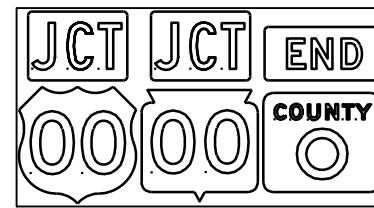
TYPICAL ASSEMBLIES



J1-1



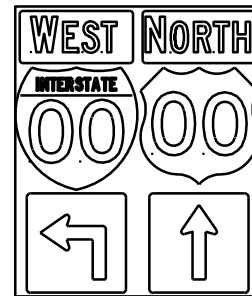
J1-2



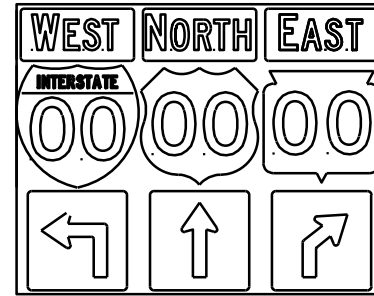
J1-3



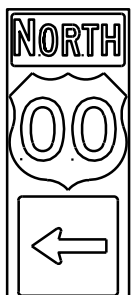
J2-1



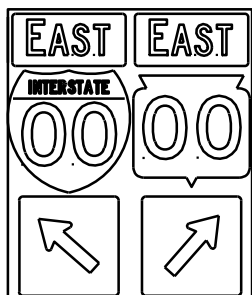
J2-2



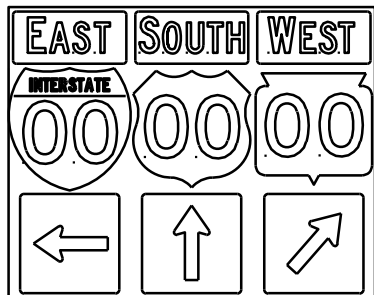
J2-3



J3-1



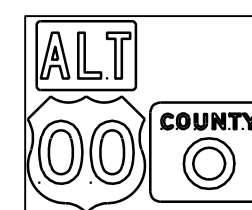
J3-2



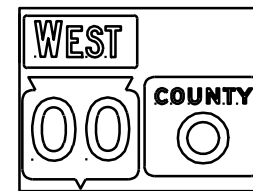
J3-3



J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1



J23-1



J22-1

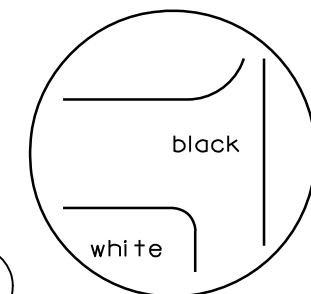
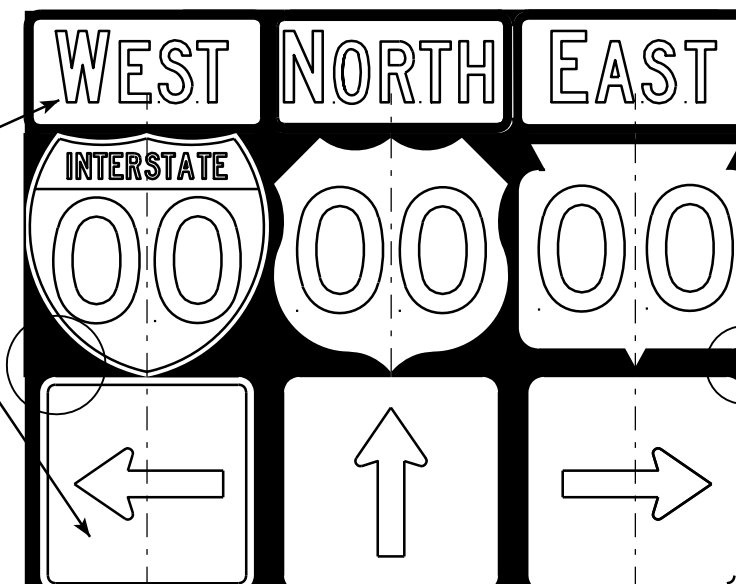
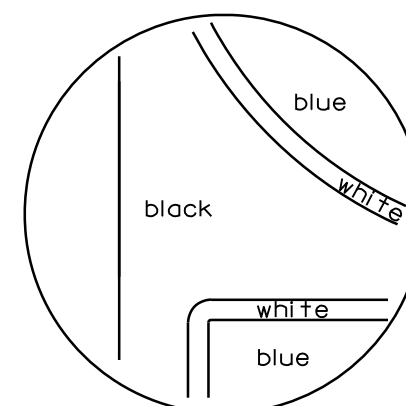


JV

NOTES

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

[blue background with interstate]



[black background]

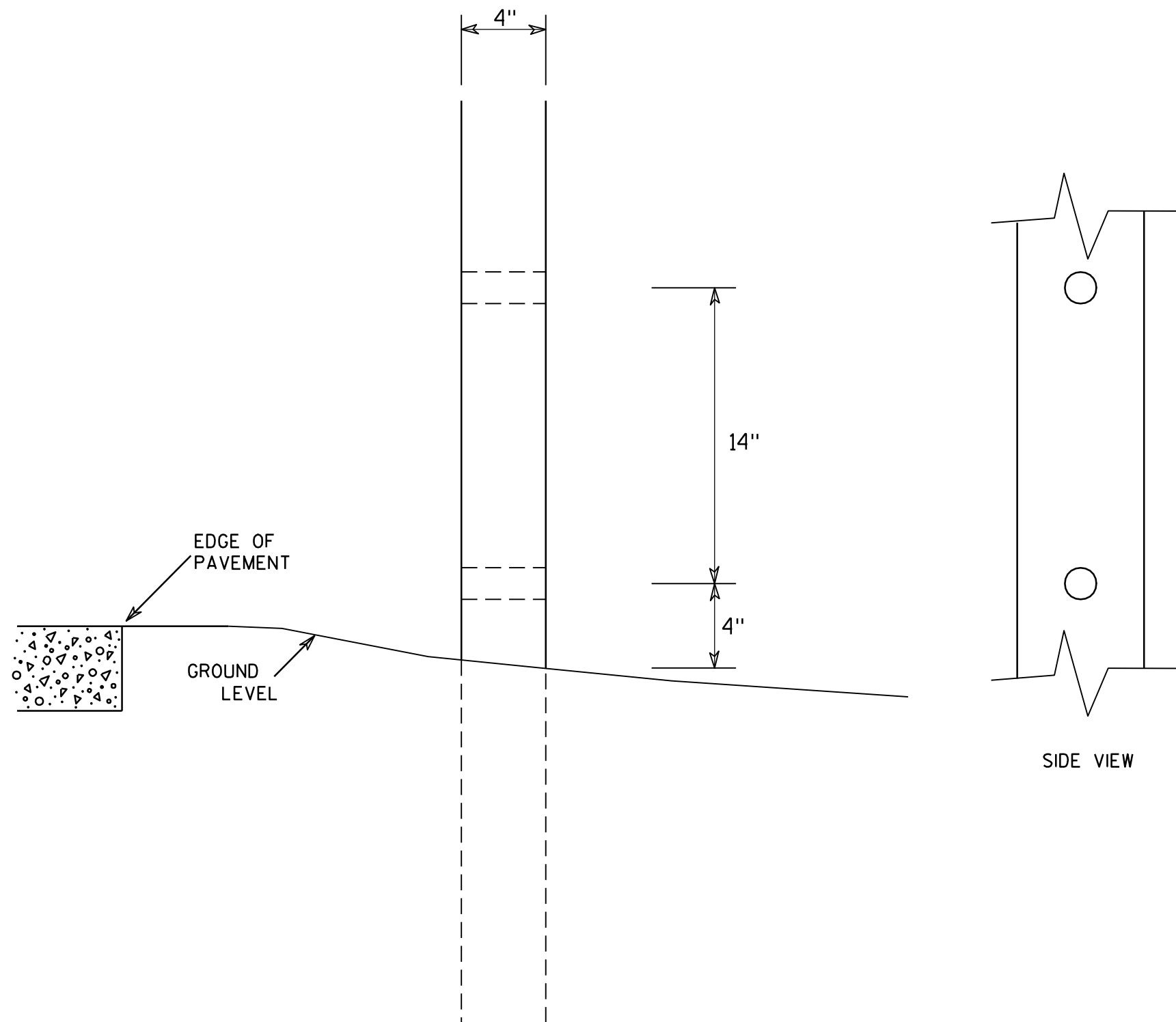
ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 10/21/09	PLATE NO. A2-1S.6

PROJECT NO:

SHEET NO:

E

7

GENERAL NOTES

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

7

**4 X 6 WOOD POST
MODIFICATIONS**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 3/27/97

PLATE NO. A4-11.2

PROJECT NO:

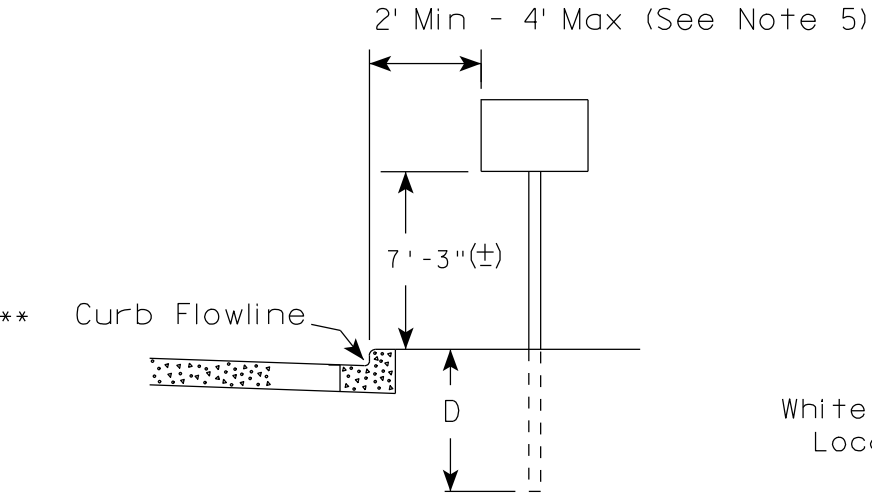
HWY:

COUNTY:

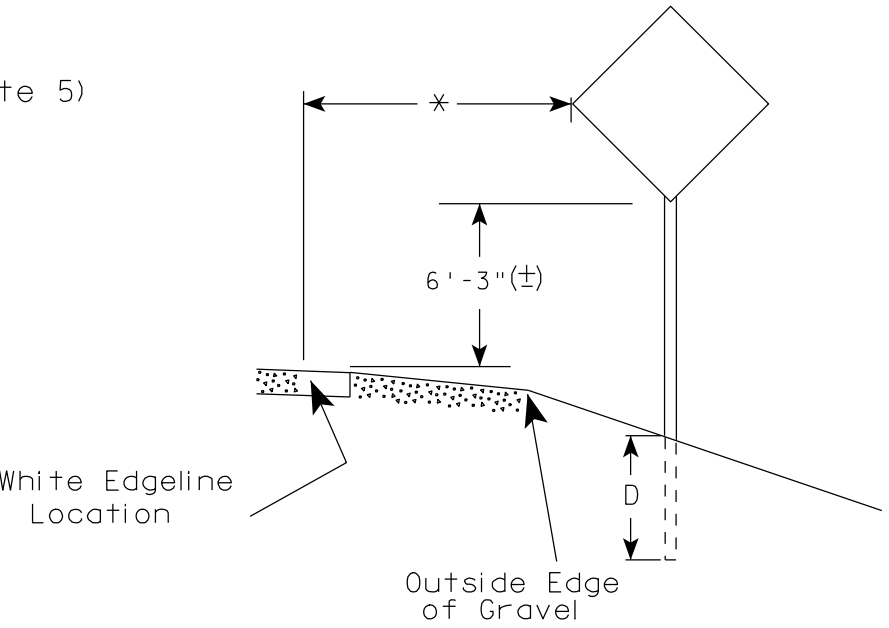
SHEET NO:

E

URBAN AREA



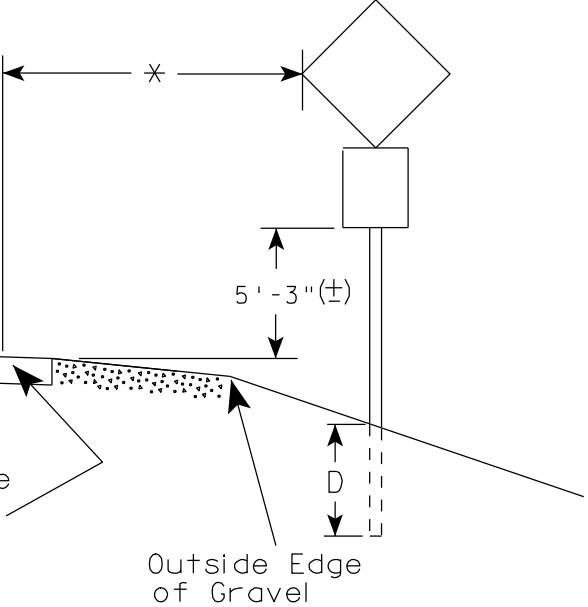
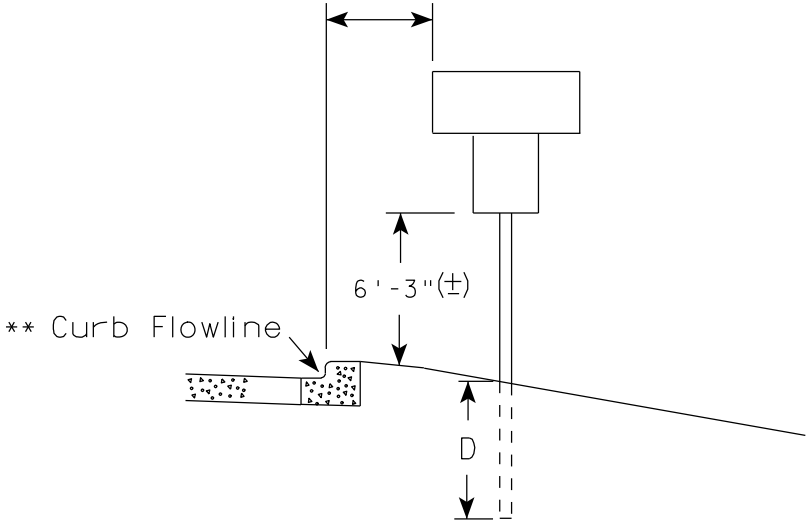
RURAL AREA (See Note 2)



GENERAL NOTES

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

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



POST EMBEDMENT DEPTH

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

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

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

GENERAL NOTES

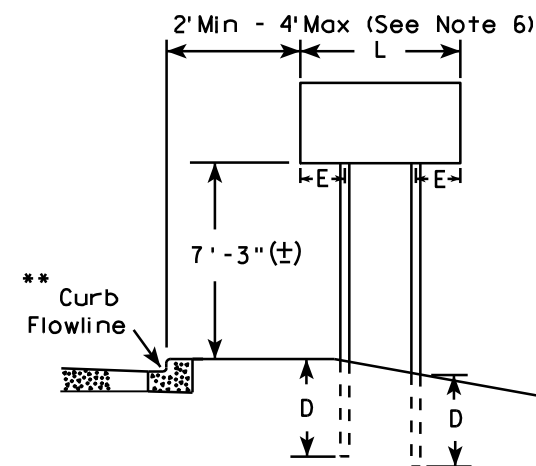
- For multiple post installations, individual post spacing shall be greater than 3'-6".
- See tables below for required number of posts.
- For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
- The (±) tolerance for mounting height is 3 inches.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

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

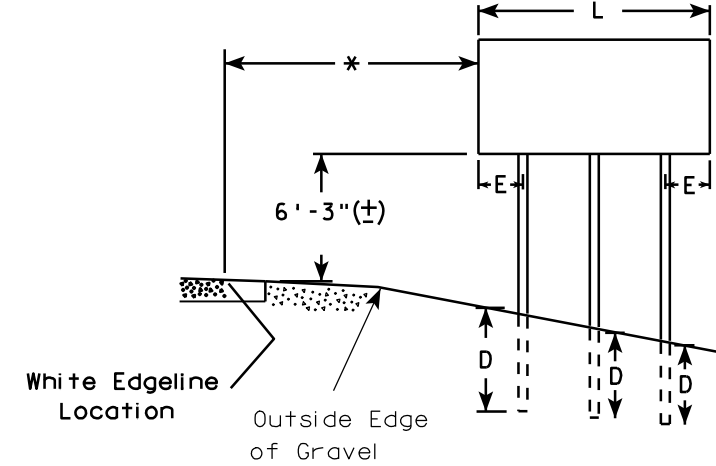
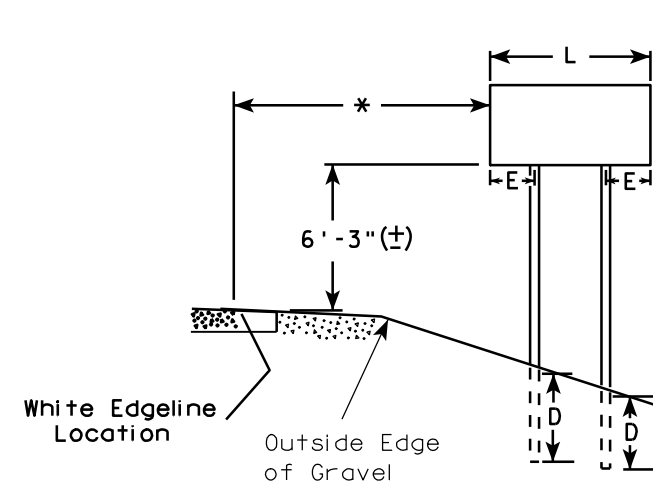
** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs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

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

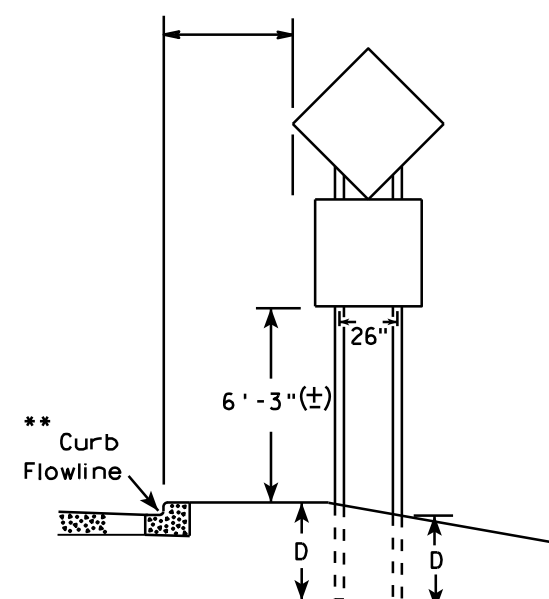
URBAN AREA



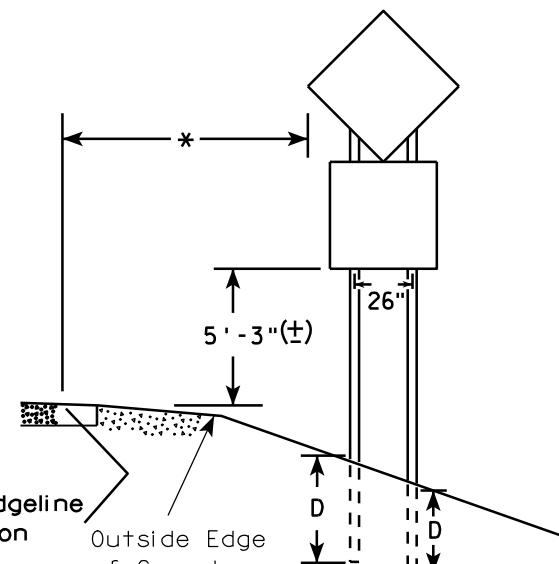
RURAL AREA (See Note 3)



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



48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION
OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

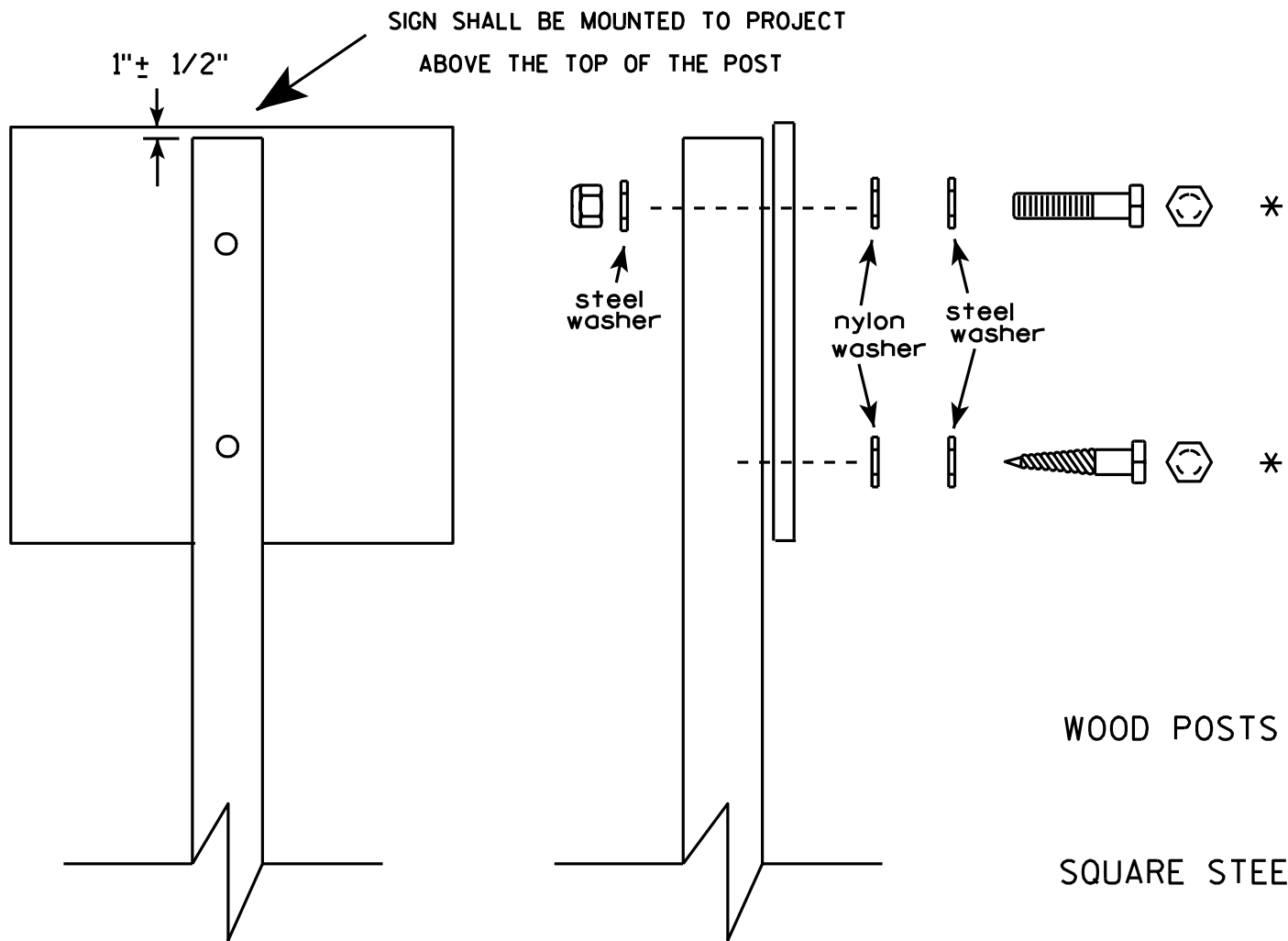
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

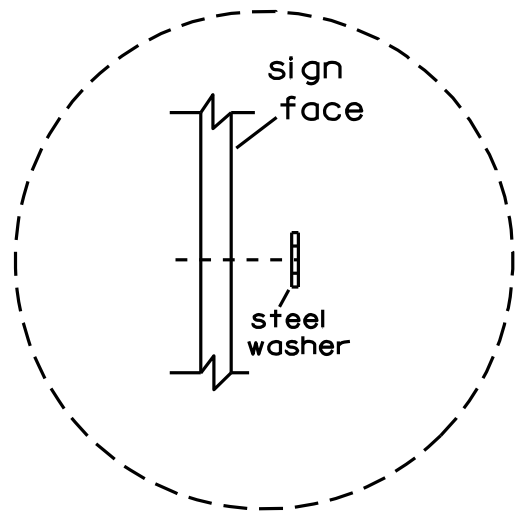


Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

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

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

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



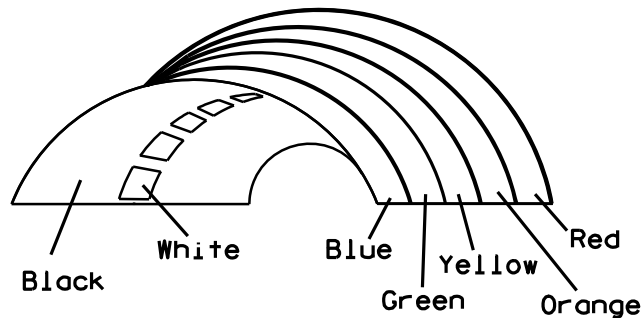
Washer Placement when Sign Has Other Than Type H or Type F Face

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

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



Background Colors of Symbol*



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

NOTES

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

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

PROJECT NO:	HWY:	COUNTY:	SHEET NO:
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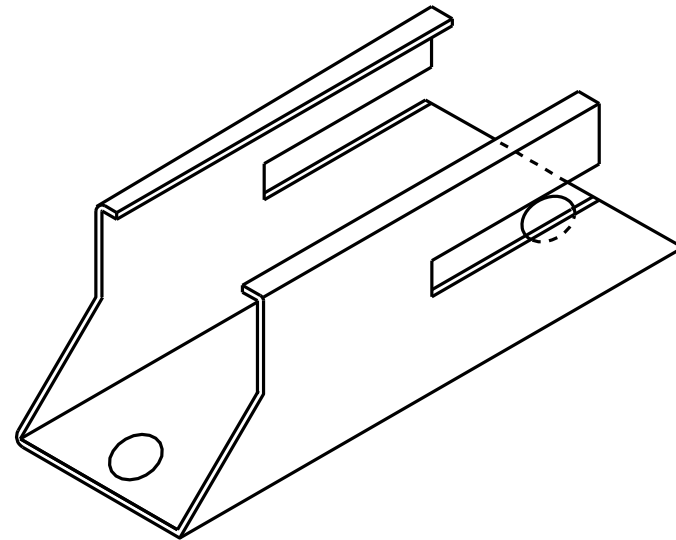
STANDARD SIGN
I55-56

WISCONSIN DEPT OF TRANSPORTATION

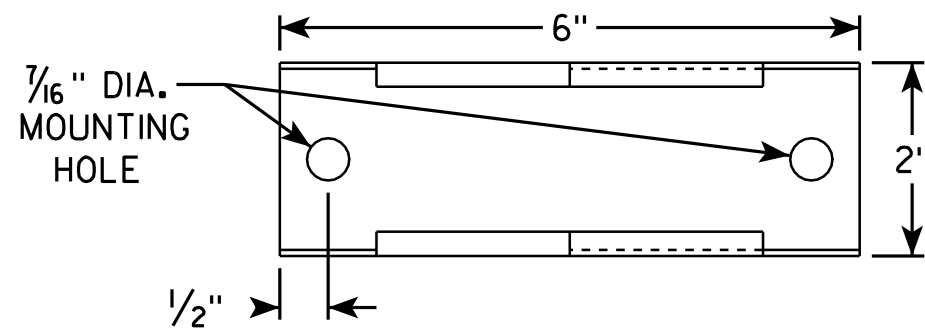
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

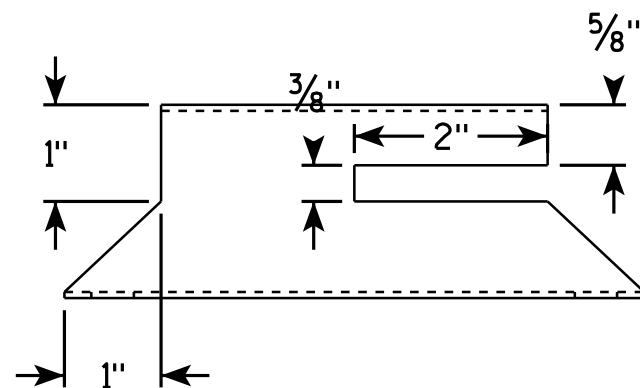
ISOMETRIC VIEW



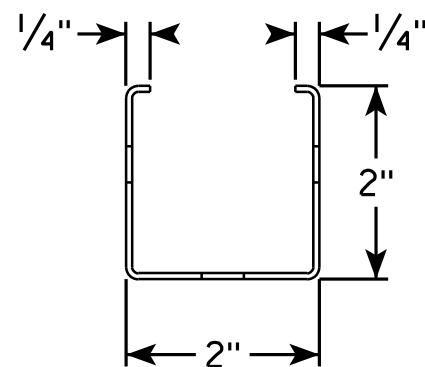
TOP VIEW



SIDE VIEW



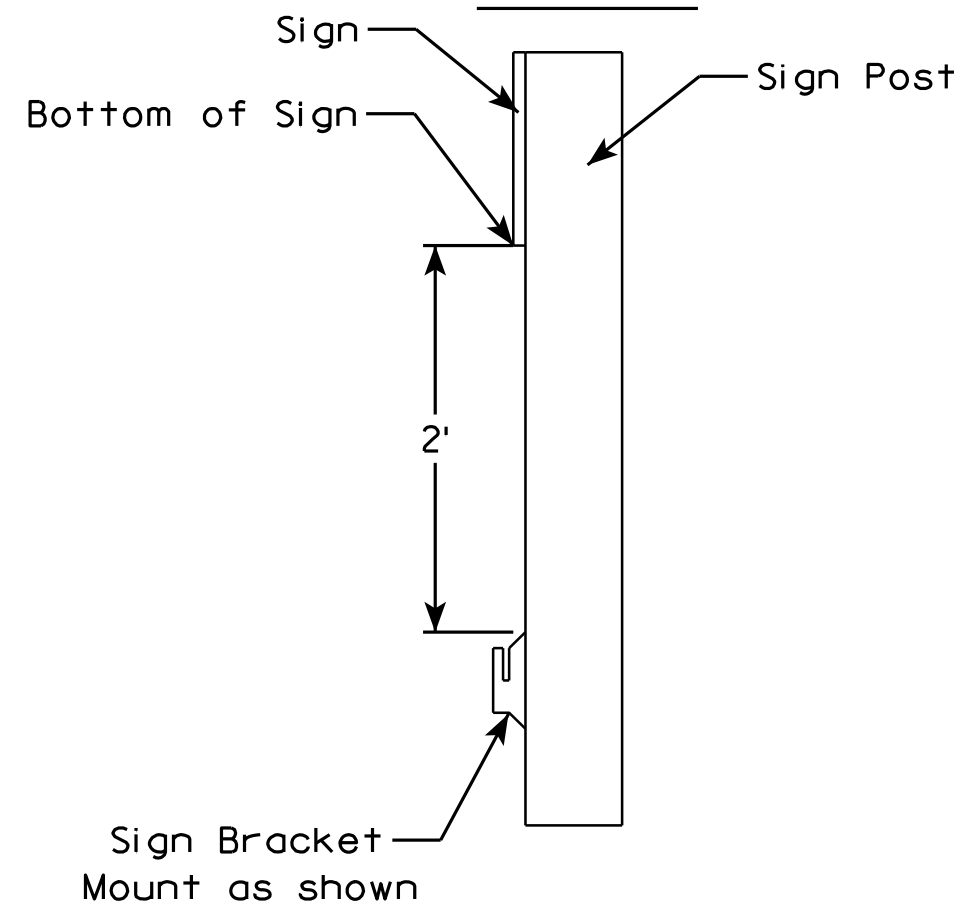
END VIEW



NOTES

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

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

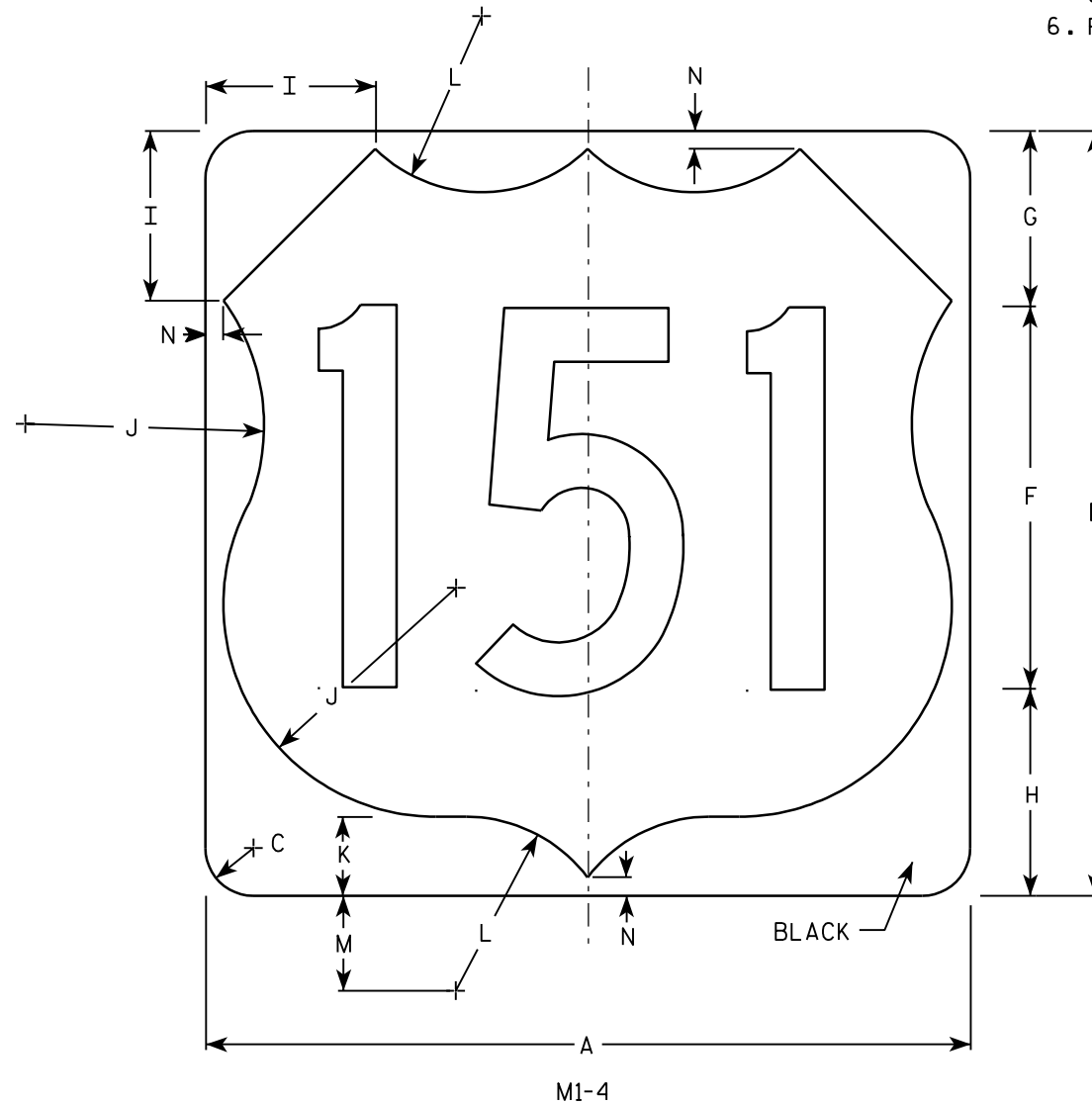
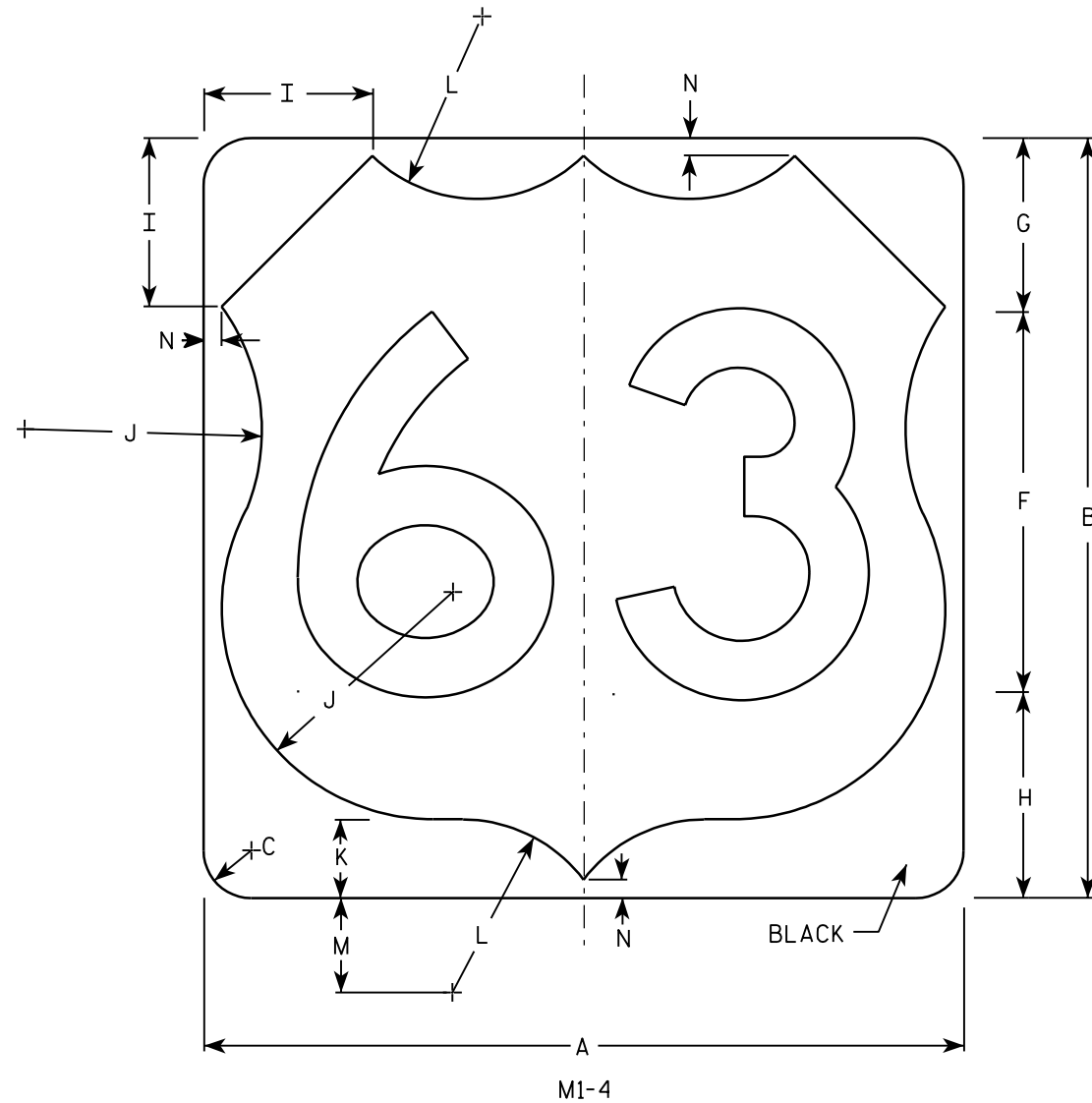
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

NOTES

1. Sign is Type II - See Note 6 - reference
WIS DOT Standard Specification for HIGHWAY
and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White & Black - See Note 6
Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base
material is plywood but borders shall be rounded
as shown. When base material is metal, the
corners and borders shall be rounded.
5. Substitute appropriate numerals and adjust
spacing as per Plate A10-1.
6. Permanent Signs
Background - Type H Reflective
Detour or other temporary signs
Background - Reflective

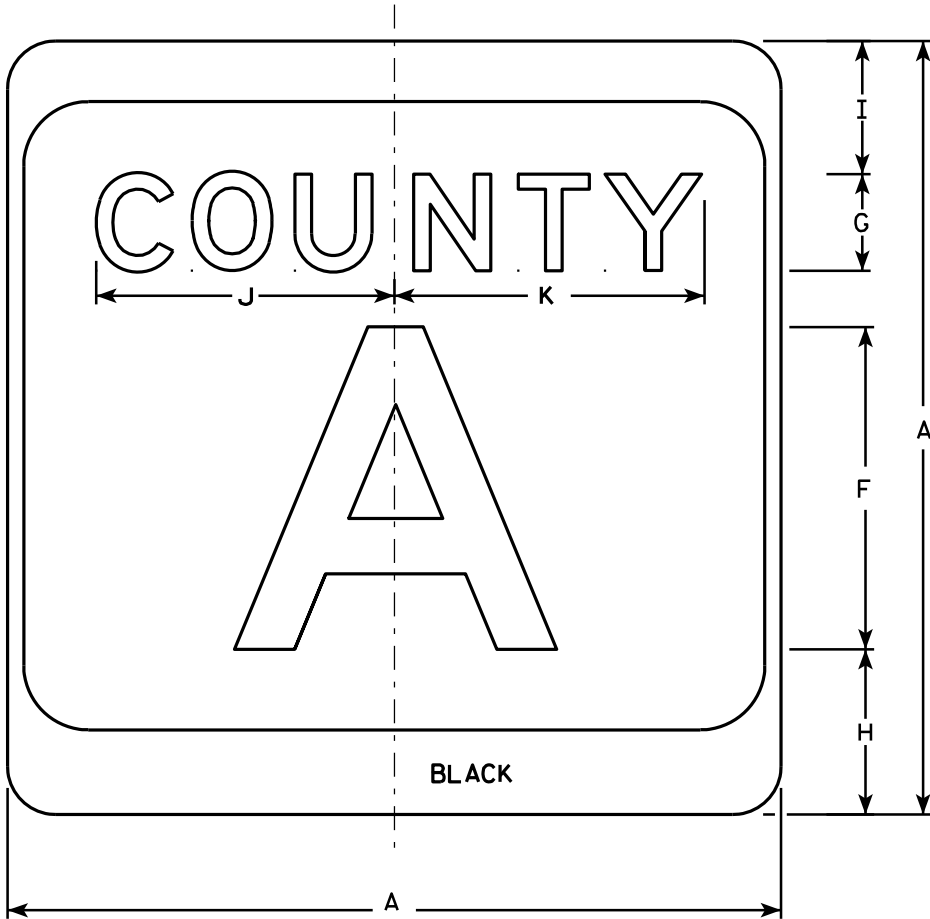


Metric equivalent
for this sign is:

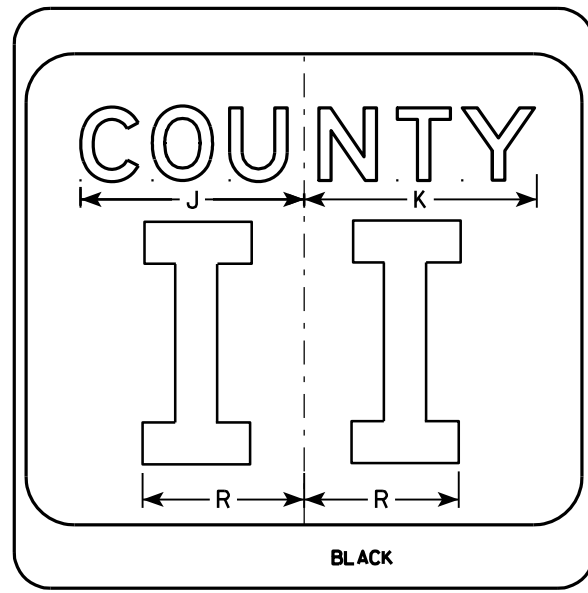
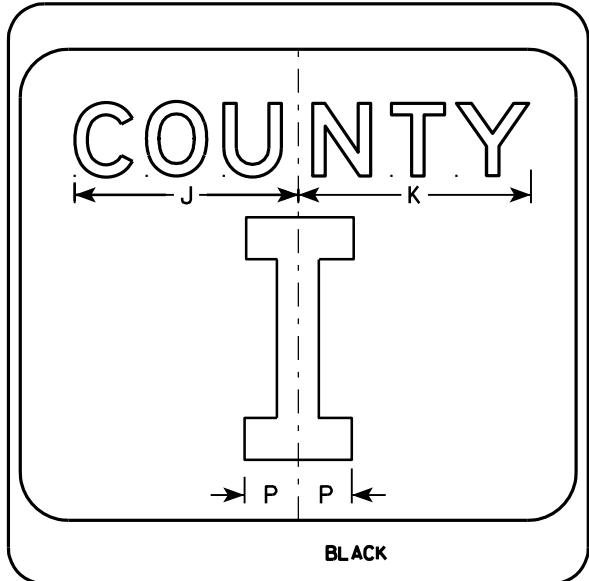
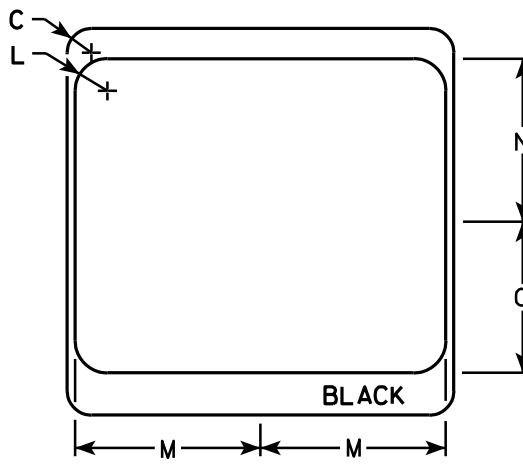
SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

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	Areq sq. ft.	Areq m ²
1																												
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0	.36
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0	.81

PROJECT NO: HWY: COUNTY: SHEET NO: E



M1-5A



NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White & Black - See Note 7
Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. 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.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
Background - Type H Reflective
Detour or temporary Signs
Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	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	2 1/4		6 5/8									4.0
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	3 3/8		10									9.0
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	3 3/8		10									9.0
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	3 3/8		10									9.0

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E
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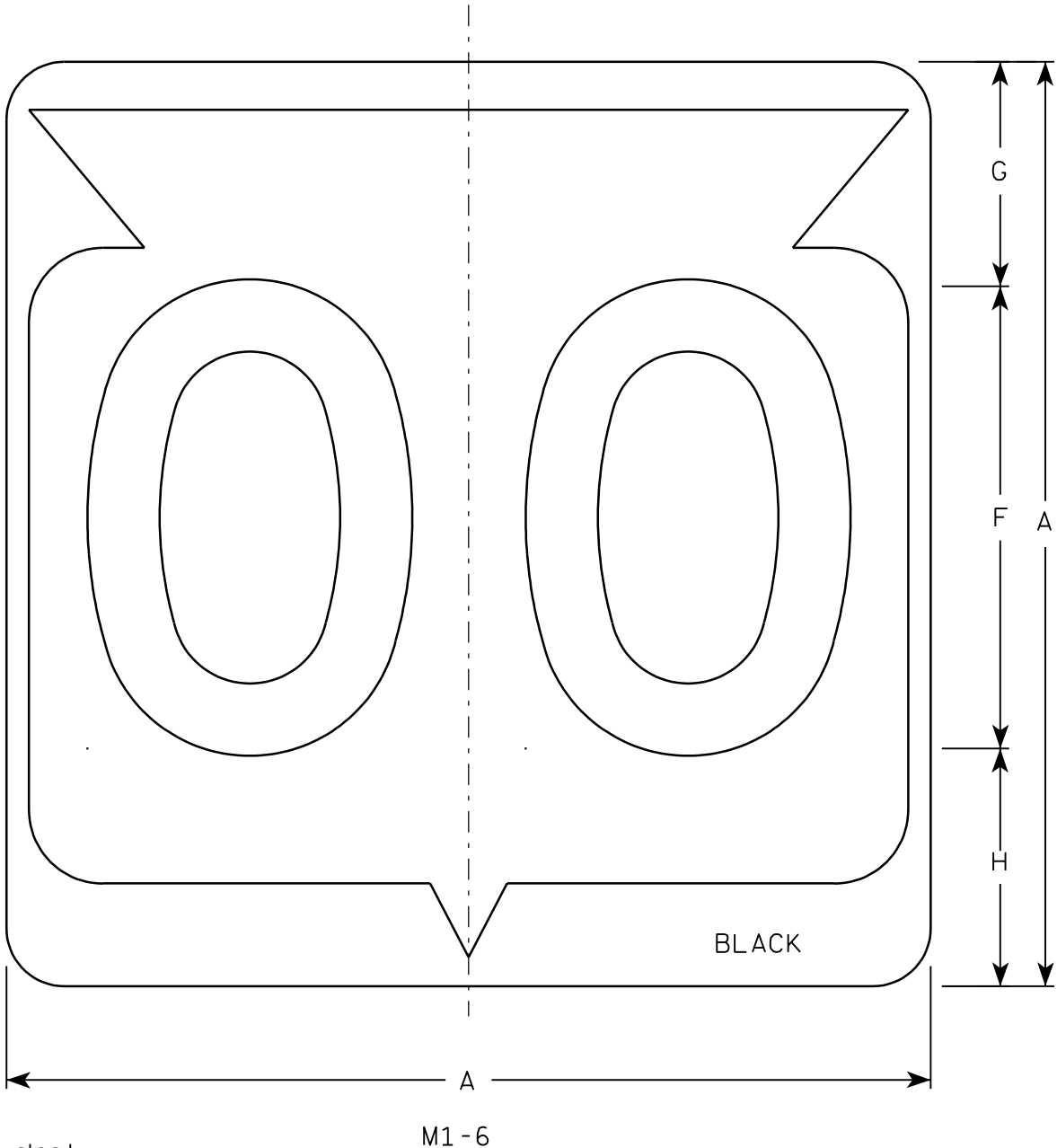
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

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 m ²
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:

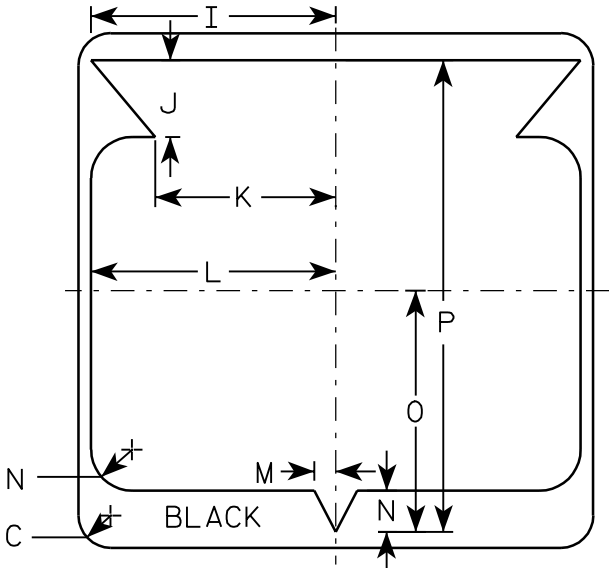
COUNTY:

SHEET NO:

E

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

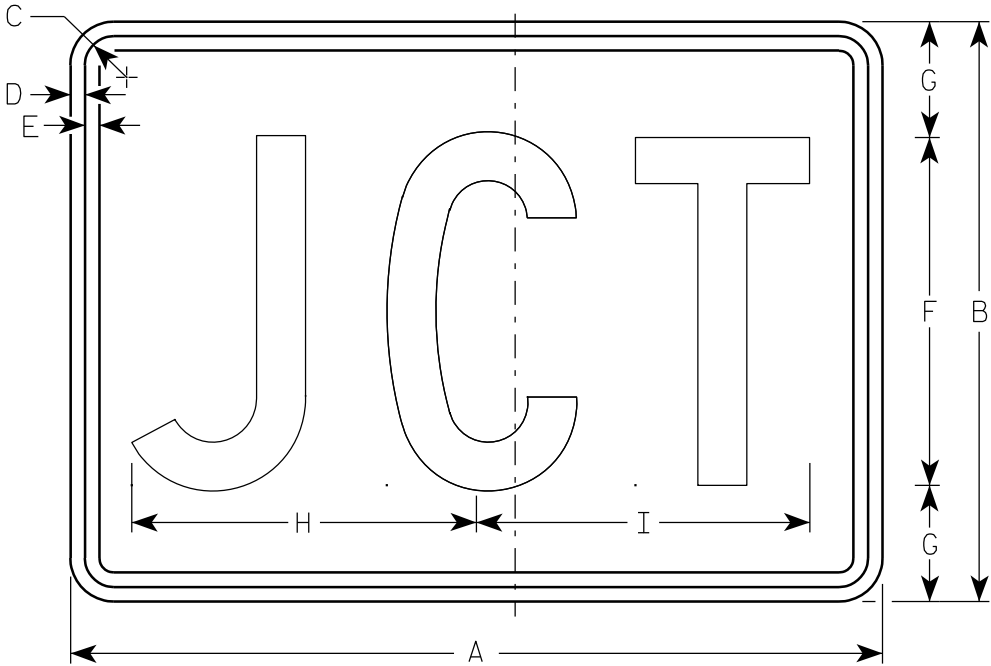
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Chester J. Spang
for State Traffic Engineer

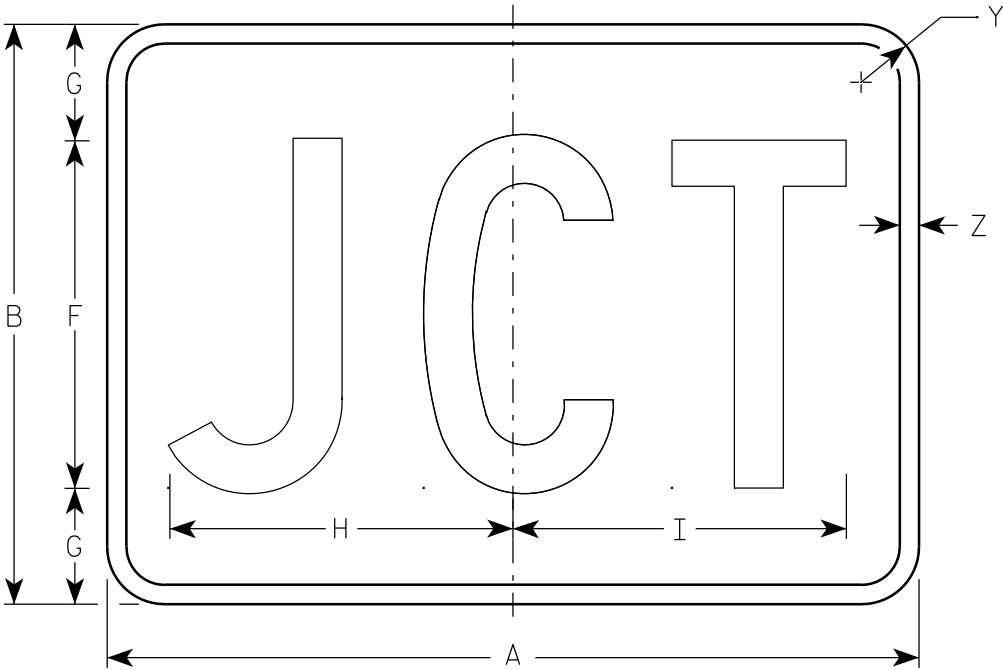
DATE 3/20/02 PLATE NO. M1-6.9

NOTES

1. Sign is Type II - See Note 5 - reference
WIS DOT Standard Specification for HIGHWAY
and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - See note 5
Message - See note 5
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.
5. 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

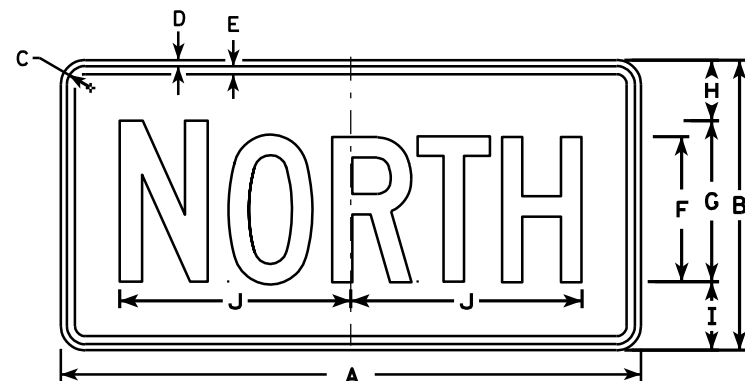
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

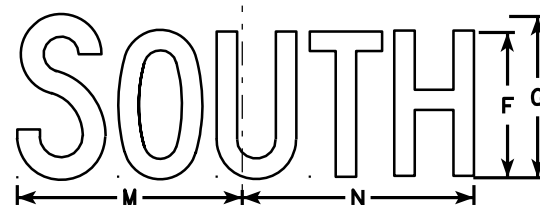
E



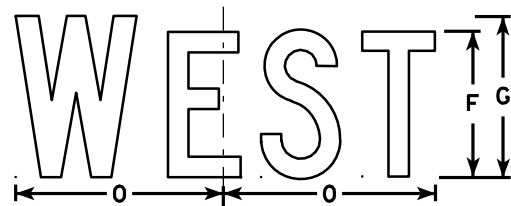
M3-1
MK3-1
M03-1



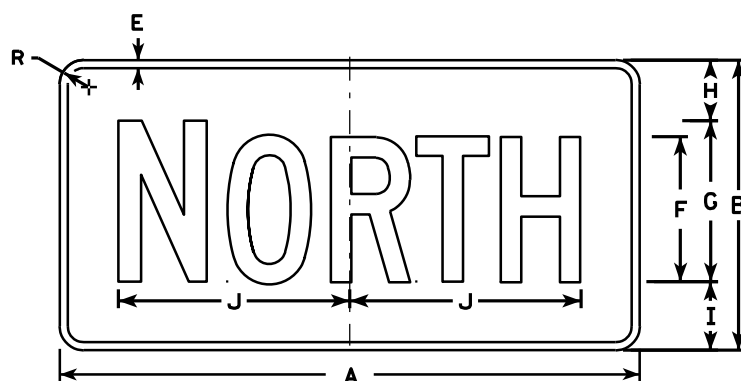
M3-2
MK3-2
M03-2



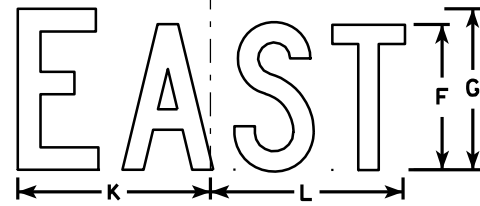
M3-3
MK3-3
M03-3



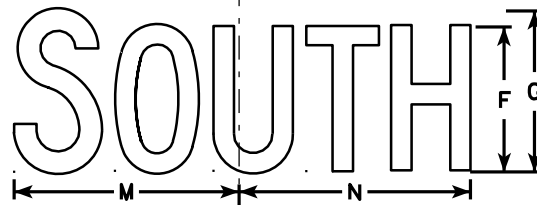
M3-4
MK3-4
M03-4



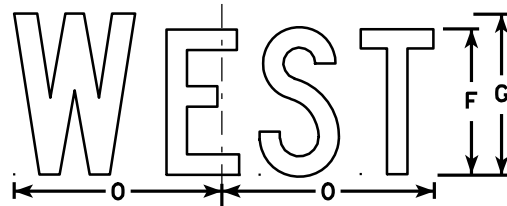
MB3-1
MG3-1
MM3-1
MN3-1



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



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



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

NOTES

1. All Signs Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - See note 5
Message - See note 5
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.
5. 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
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	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
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

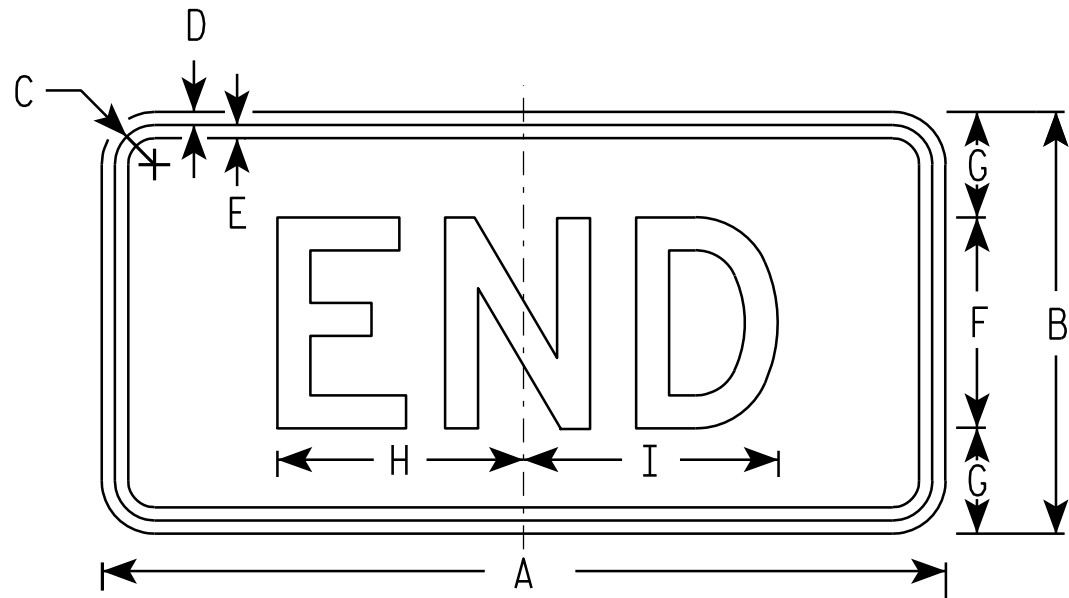
PROJECT NO: HWY: COUNTY: SHEET NO: E

STANDARD SIGNS
M3-1 thru M3-4
SERIES

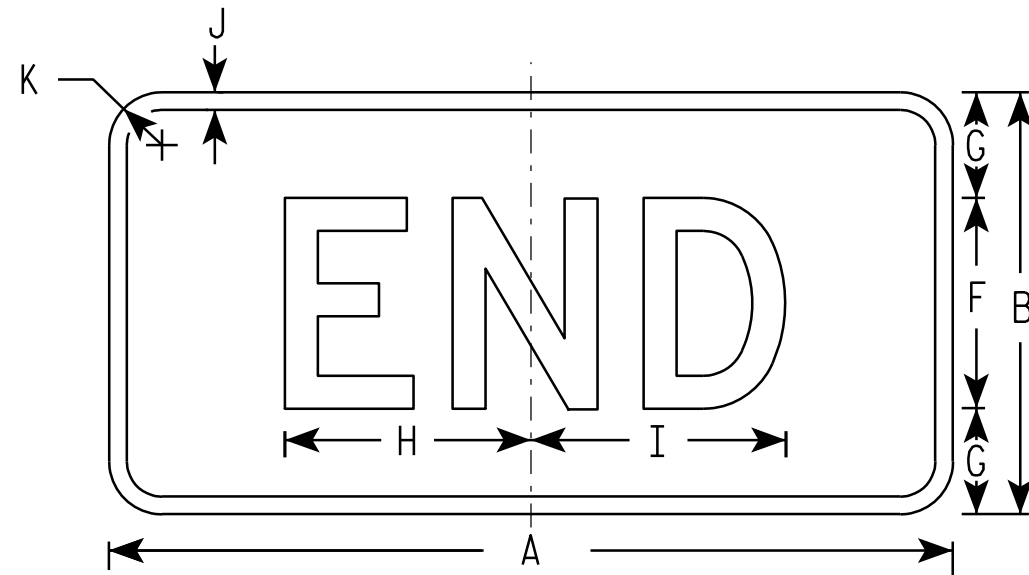
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M3-1.12



M4-6
MK4-6
MM4-6
MR4-6



MB4-6
MG4-6
MN4-6

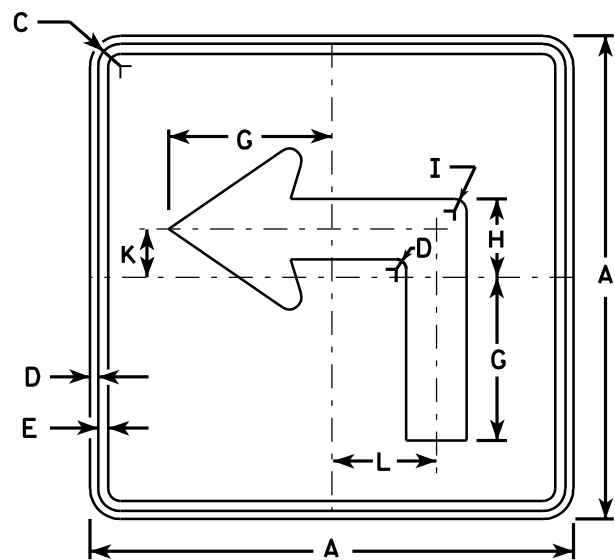
NOTES

- 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 - D
- Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- M4-6 Background - White - Type H Reflective
(Detour or temporary Signs - Reflective)
Message - Black
MB4-6 Background - Blue
Message - White - Type H Reflective
(Detour or temporary Signs - Reflective)
MG4-6 Background - Green
Message - White - Type H Reflective
MK4-6 Background - Green
Message - White - Type H Reflective
MM4-6 Background - White - Type H Reflective
Message - Green
MN4-6 Background - Brown
Message - White - Type H Reflective
MR4-6 Background - Brown
Message - Yellow - Type H Reflective

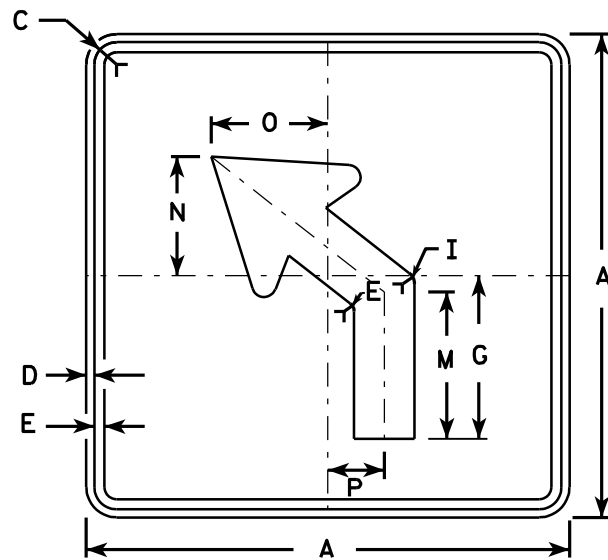
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

PROJECT NO: HWY: COUNTY: SHEET NO: E

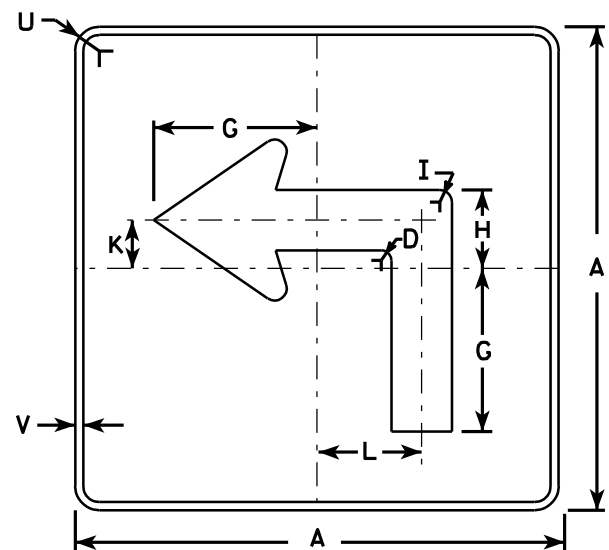
STANDARD SIGN M4 - 6	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 11/10/10	PLATE NO. M4-6.7



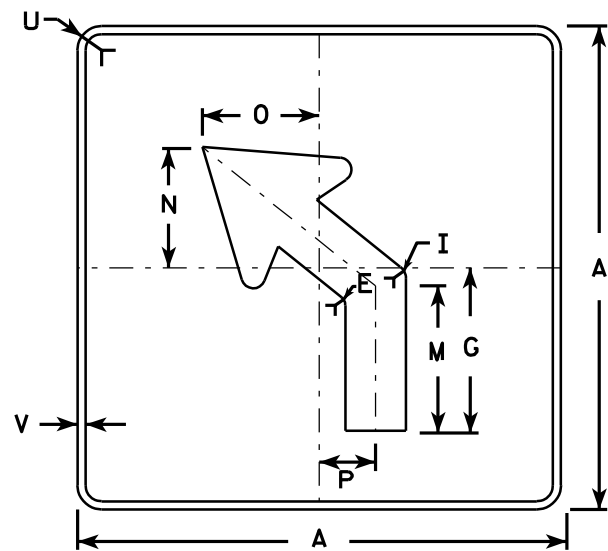
M5-1L
MK5-1L
MM5-1L
MO5-1L
MR5-1L



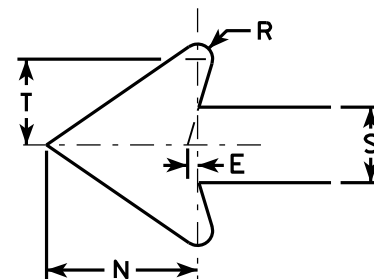
M5-2L
MK5-2L
MM5-2L
MO5-2L
MR5-2L



MB5-1L
MG5-1L
MN5-1L



MB5-2L
MG5-2L
MN5-2L



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.
- M5-1 and M5-2 Background - White - Type H Reflective (Detour or temporary Signs - Reflective)
Message - Black
MB5-1 and MB5-2 Background - Blue
Message - White - Type H Reflective (Detour or temporary Signs - Reflective)
MG5-1 and MG5-2 Background - Green
Message - White - Type H Reflective
MK5-1 and MK5-2 Background - Green
Message - White Type H Reflective
MM5-1 and MM5-2 Background - White - Type H Reflective
Message - Green
MN5-1 and MN5-2 Background - Brown
Message - White - Type H Reflective
MO5-1 and MO5-2 Background - Orange - Reflective
Message - Black
MR5-1 and MR5-2 Background - Brown
Message - Yellow - Type H Reflective
- M5-1R same as M5-1L except arrow points right.
- M5-2R same as M5-2L except arrow tilts 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 m ²
1																												
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06	0.28
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25	0.56
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25	0.56
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25	0.56

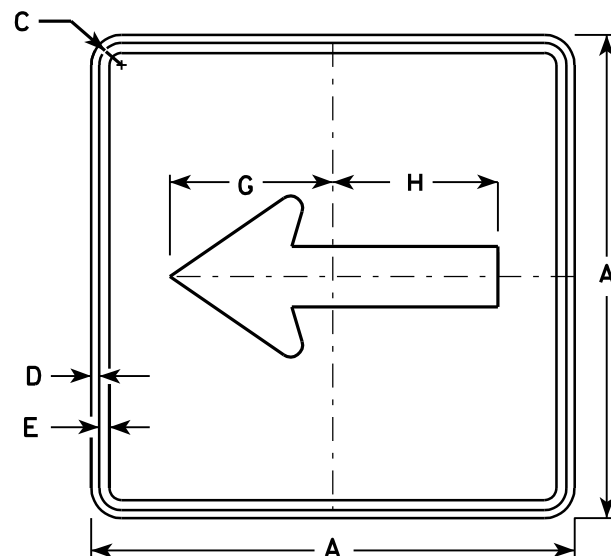
PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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STANDARD SIGN
M5-1 & M5-2

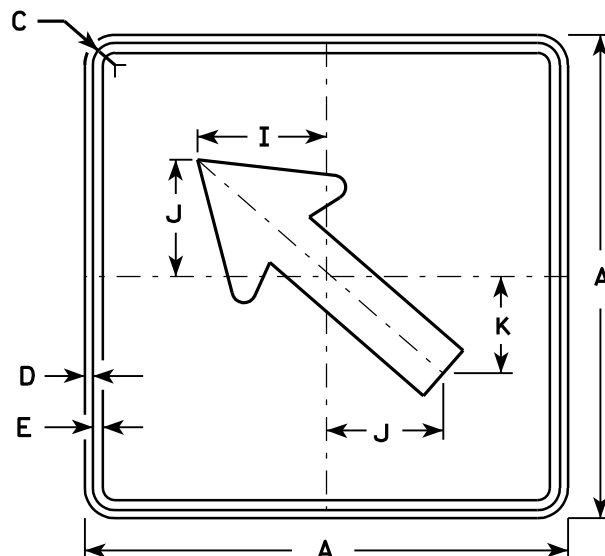
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

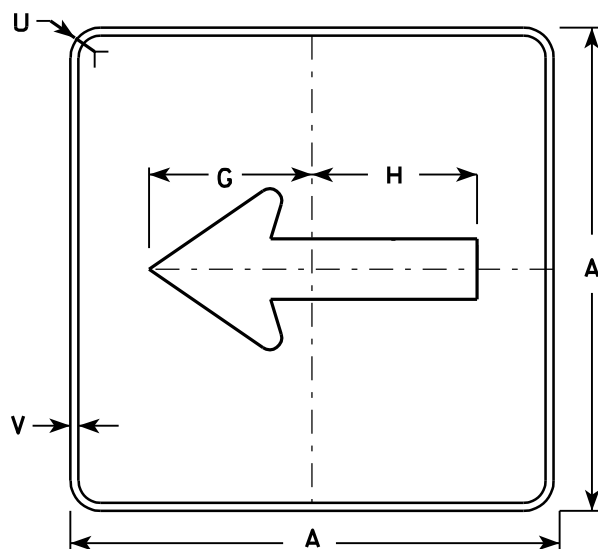
DATE 3/16/10 PLATE NO. M5-1.11



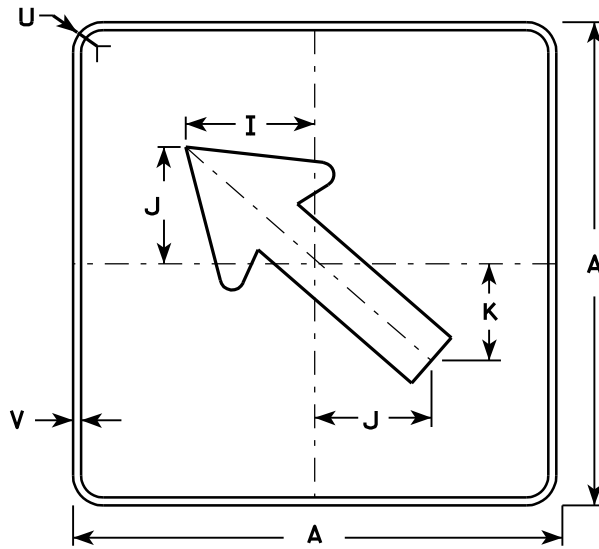
M6-1
MK6-1
MM6-1
MO6-1
MR6-1



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



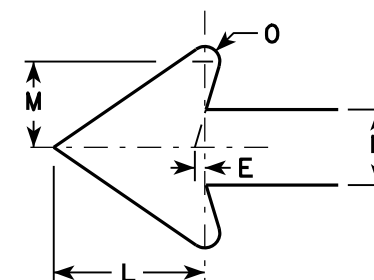
MB6-1
MG6-1
MN6-1



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

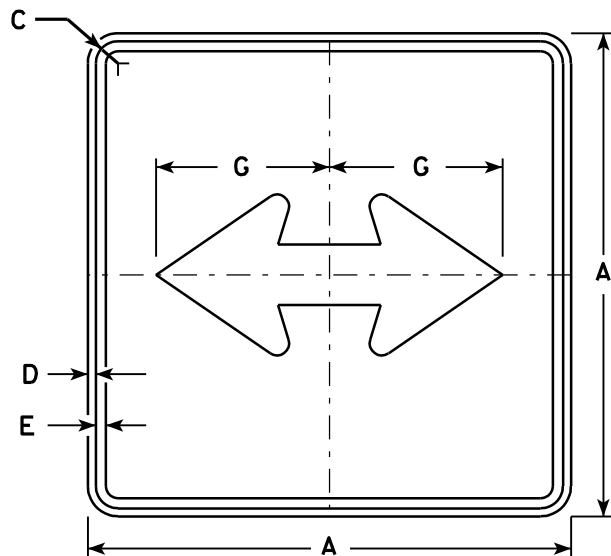


Metric equivalent
for this sign is:

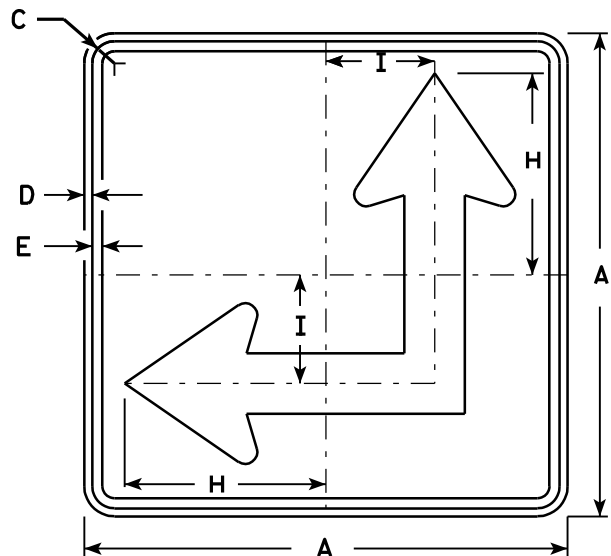
SIZE	
1	
2	525 mm X 525 mm
3	750 mm X 750 mm
4	750 mm X 750 mm
5	750 mm X 750 mm

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 m2
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

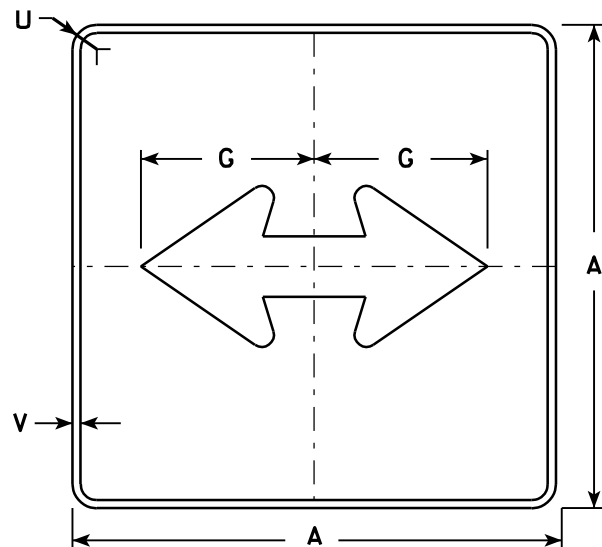
PROJECT NO: HWY: COUNTY: SHEET NO: E



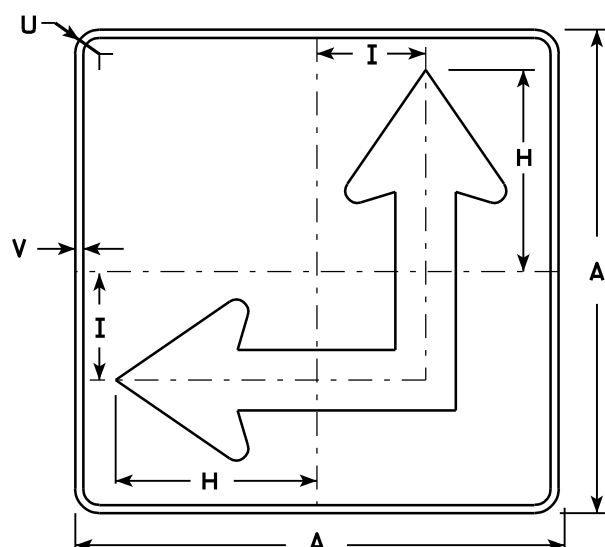
M6 - 4
MK6 - 4
MM6 - 4
MO6 - 4
MR6 - 4



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



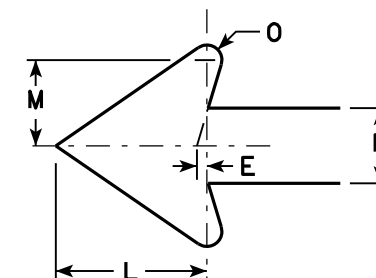
MB6 - 4
MG6 - 4
MN6 - 4



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 m ²
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

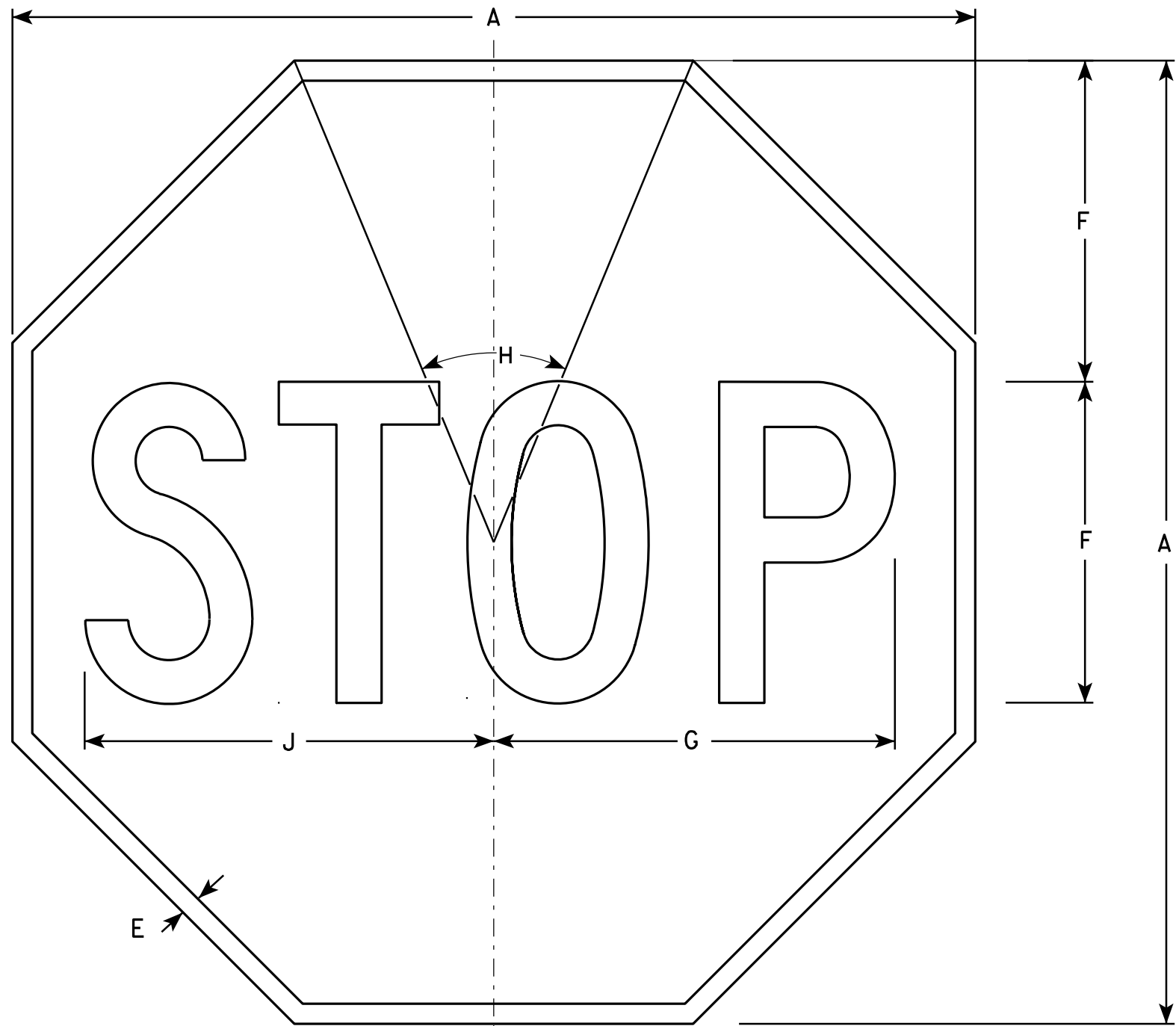
PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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STANDARD SIGN
M6 - 4 & M6 - 6
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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



NOTES

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

R1-1

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

STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

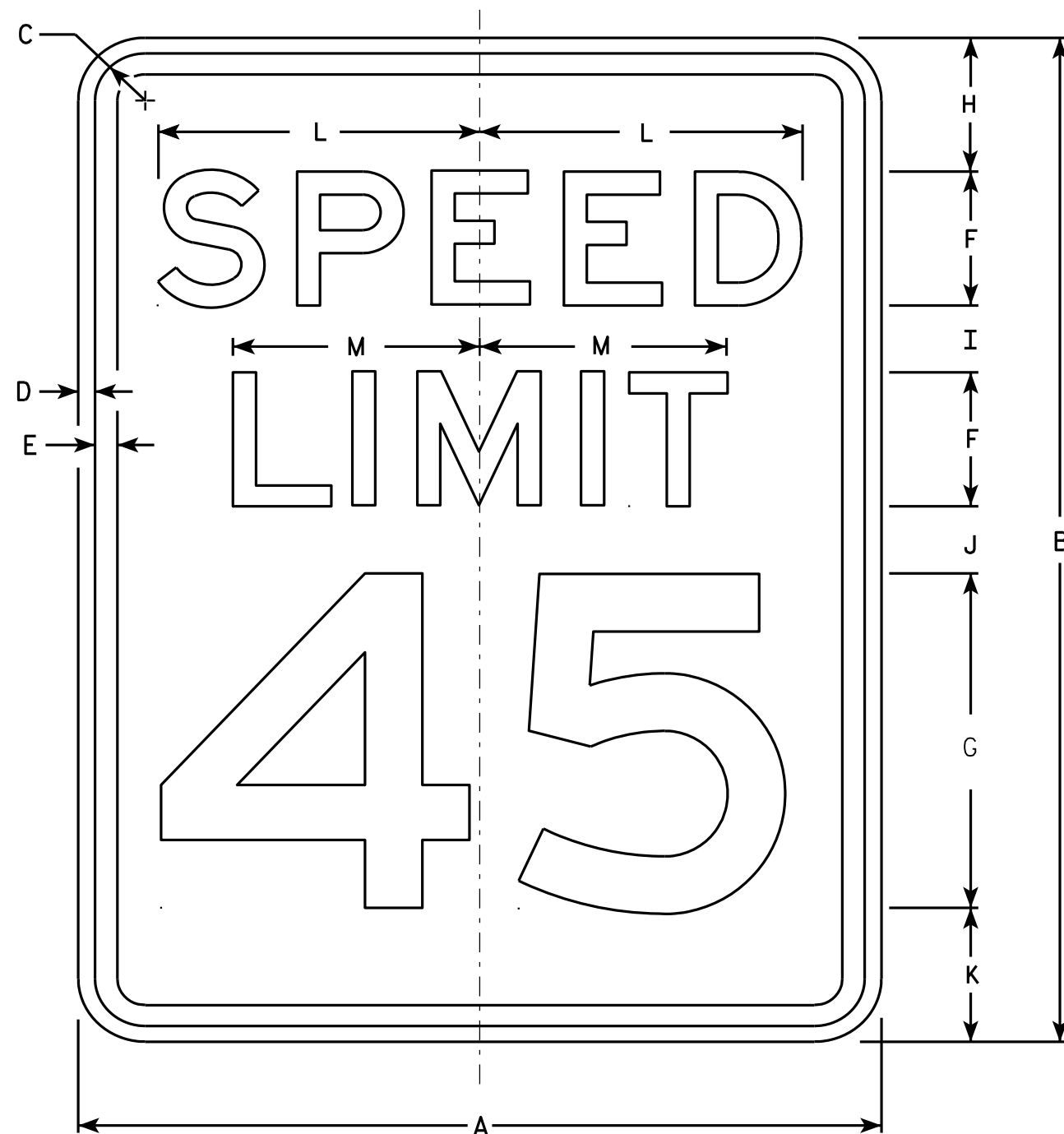
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



R2-1

NOTES

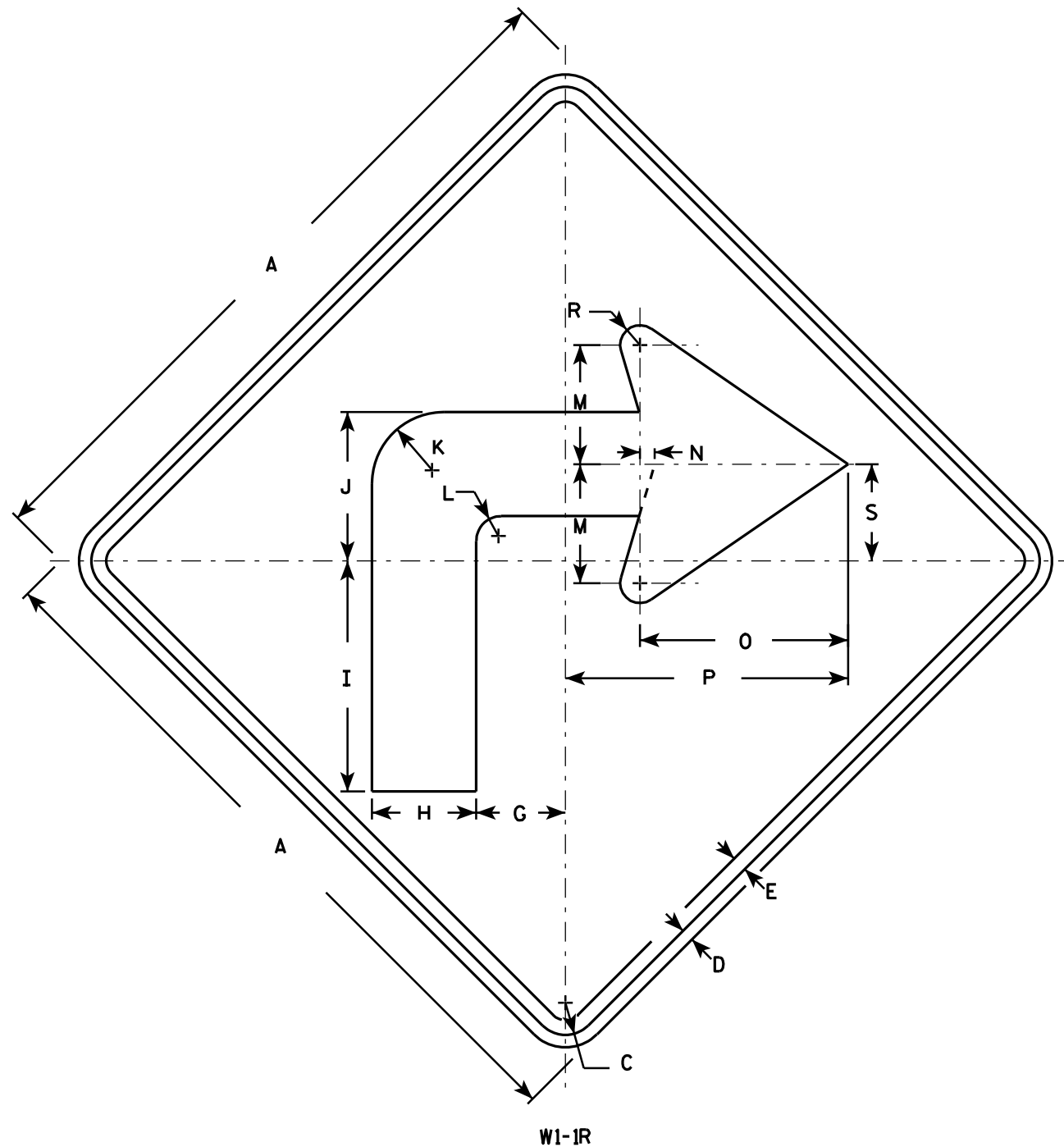
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as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

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

STANDARD SIGN R2-1

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

PROJECT NO: HWY: COUNTY: SHEET NO: E



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	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
2S	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
2M	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
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
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
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

STANDARD SIGN

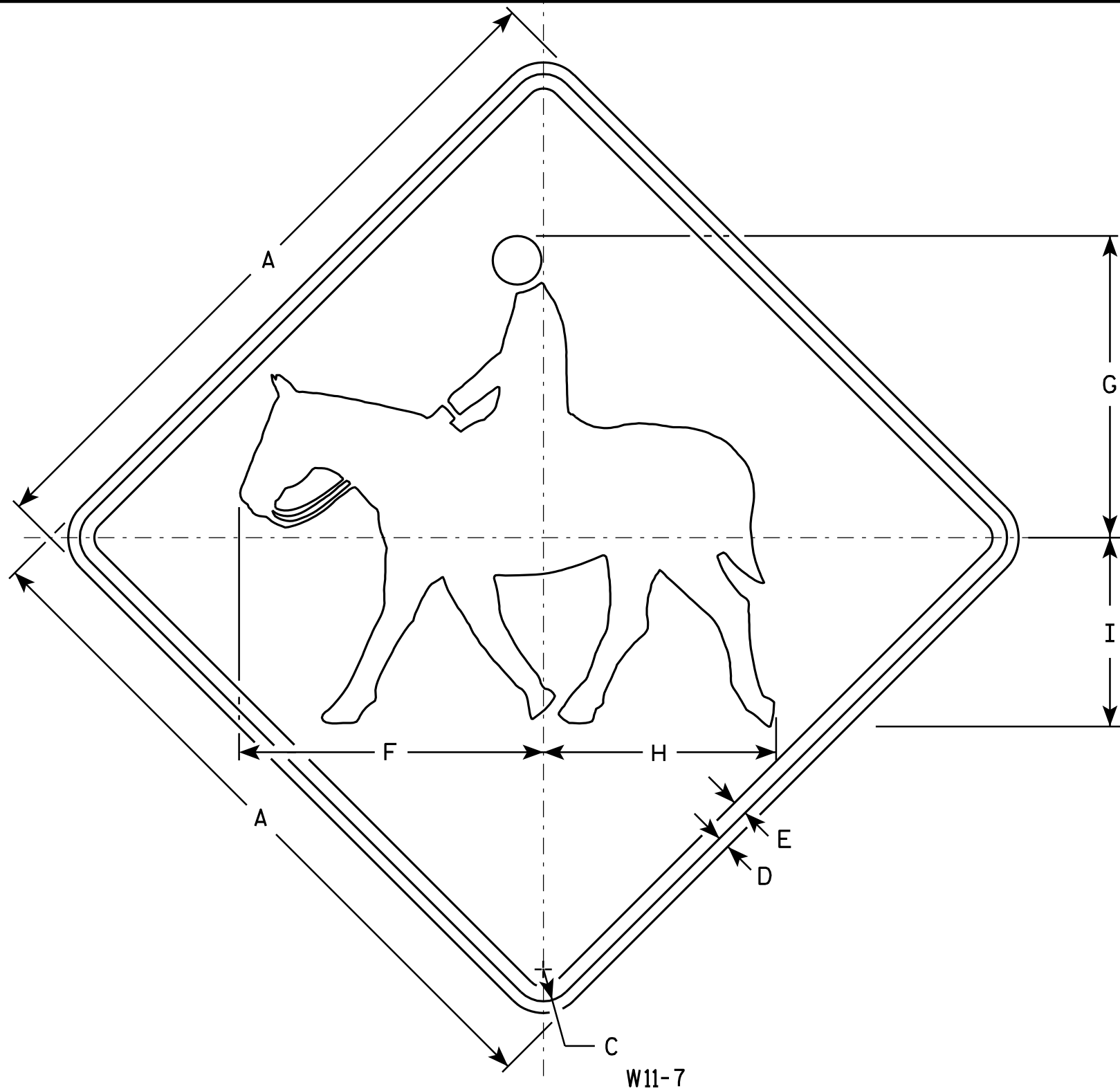
W1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-1.11

PROJECT NO: HWY: COUNTY: SHEET NO: E



NOTES

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

W11-7

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

STANDARD SIGN

W11-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 3/16/11 PLATE NO. W11-7.5

PROJECT NO:

HWY:

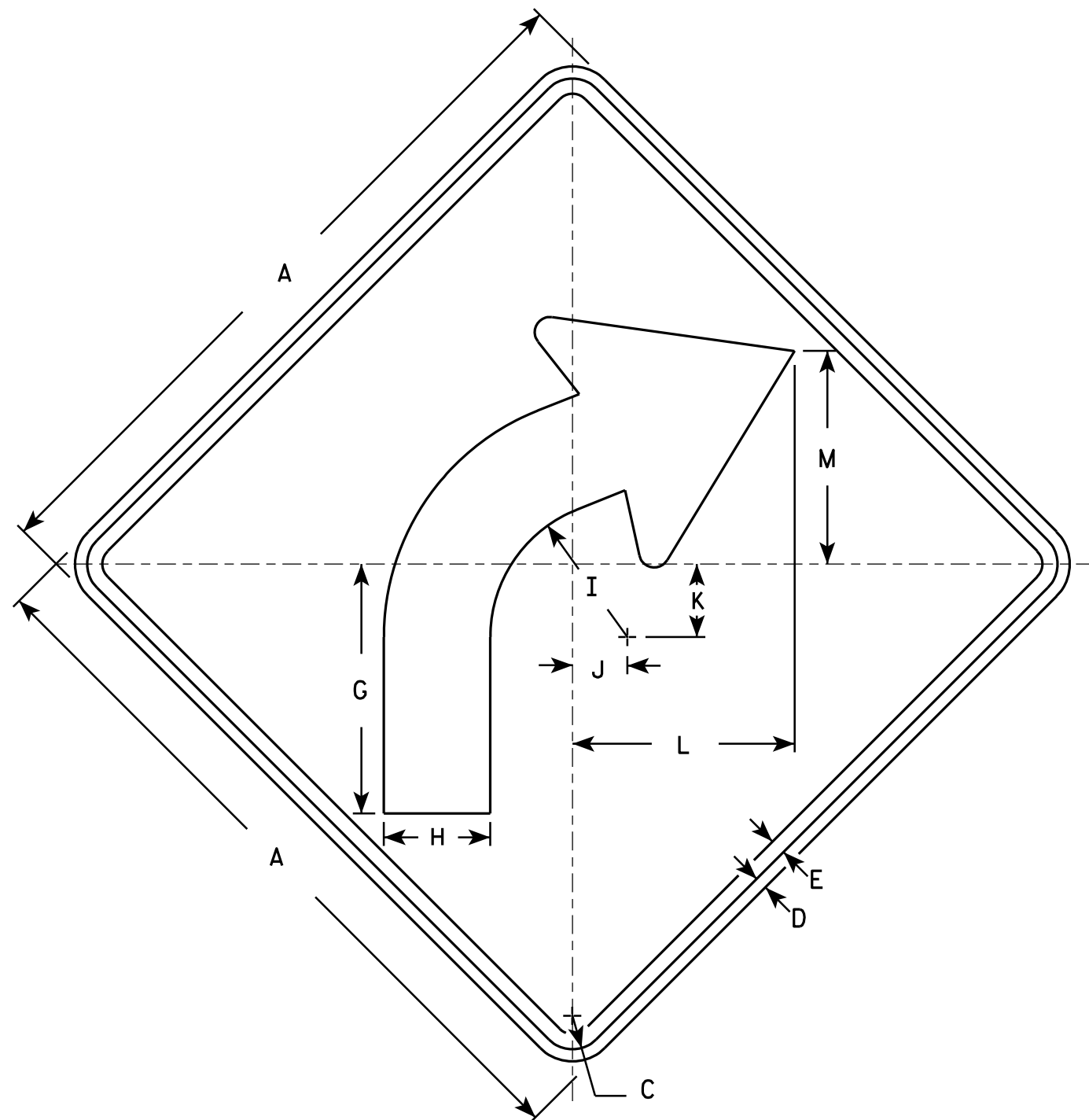
COUNTY:

SHEET NO:

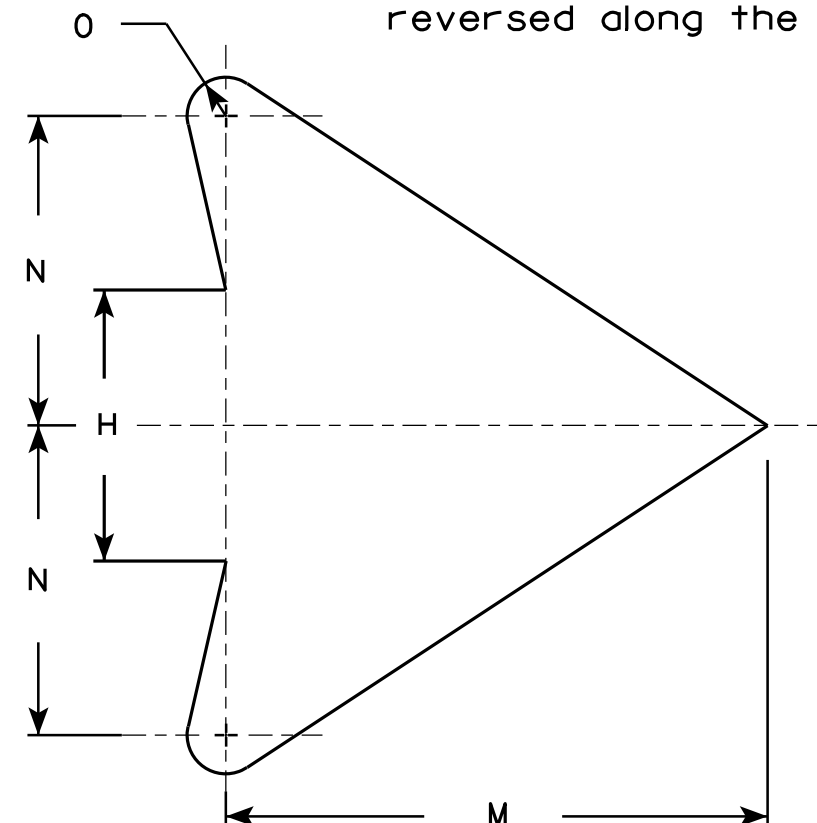
E

NOTES

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



W1-2R



ARROW DETAIL

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

STANDARD SIGN W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

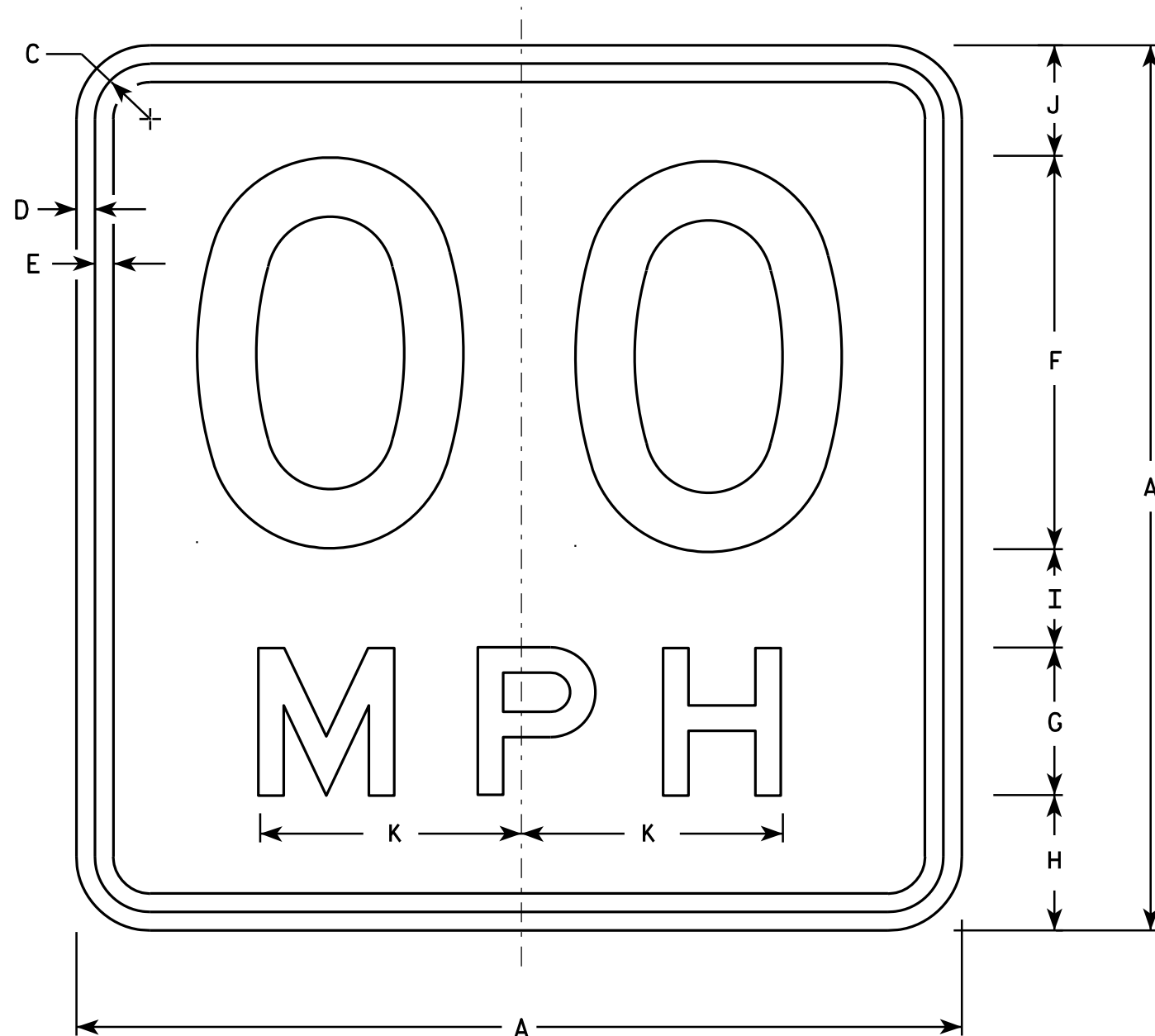
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



NOTES

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

W13-1

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

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

STANDARD SIGN

W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

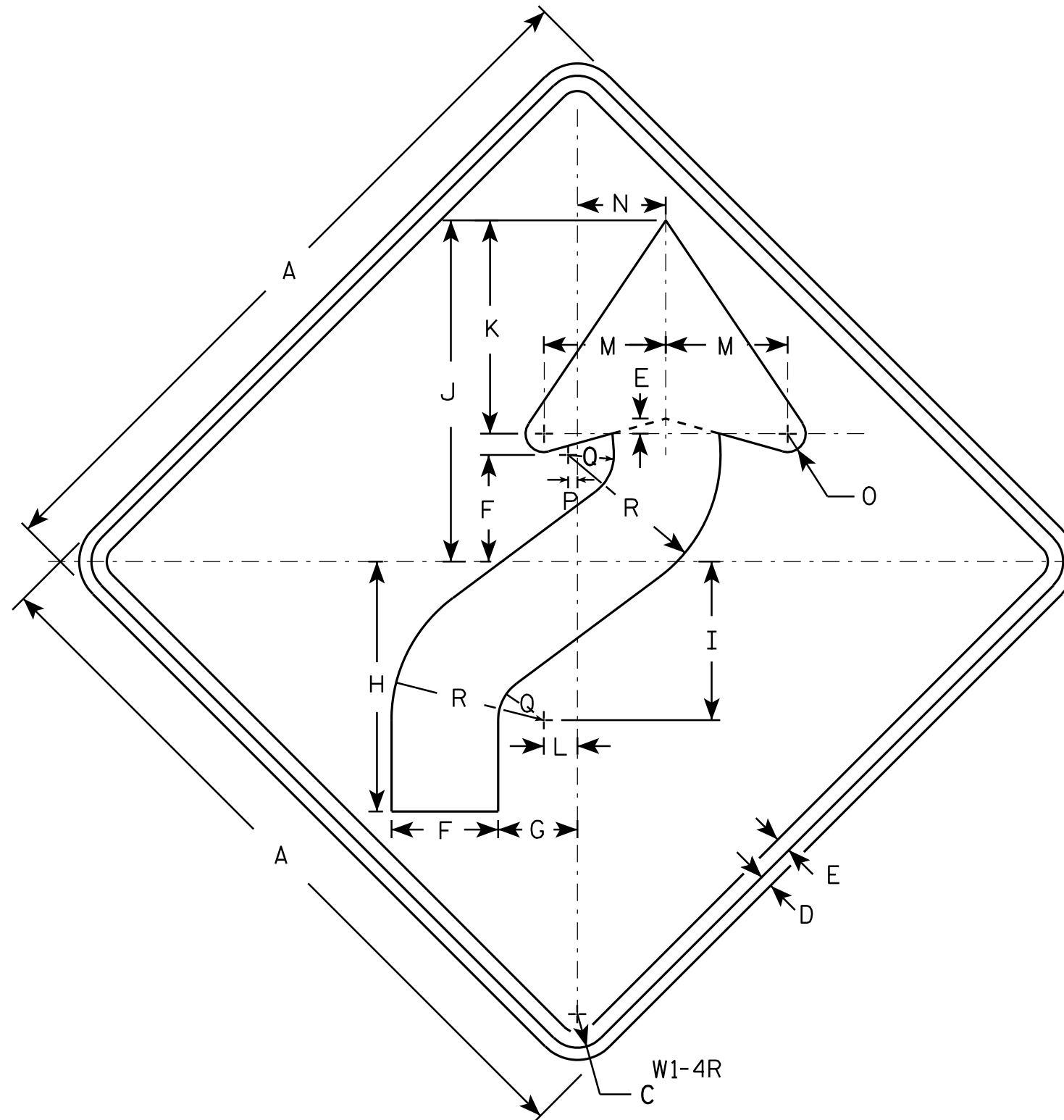
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



NOTES

- Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - Yellow
Message - Black
- 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.
- W1-4L is the same as W1-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	3 1/2	2 5/8	8 1/4	5 1/4	11 1/4	7	1 1/8	4	3	5/8	1/4	1 1/2	5									4.0
2S	30		1 3/8	1/2	5/8	4 3/8	3 1/4	10 1/4	6 1/2	14	8 3/4	1 3/8	5	3 5/8	3/4	3/8	1 7/8	6 1/4									6.25
2M	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
3	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
4	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN

W1 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/17/12 PLATE NO. W1-4.11

PROJECT NO:

HWY:

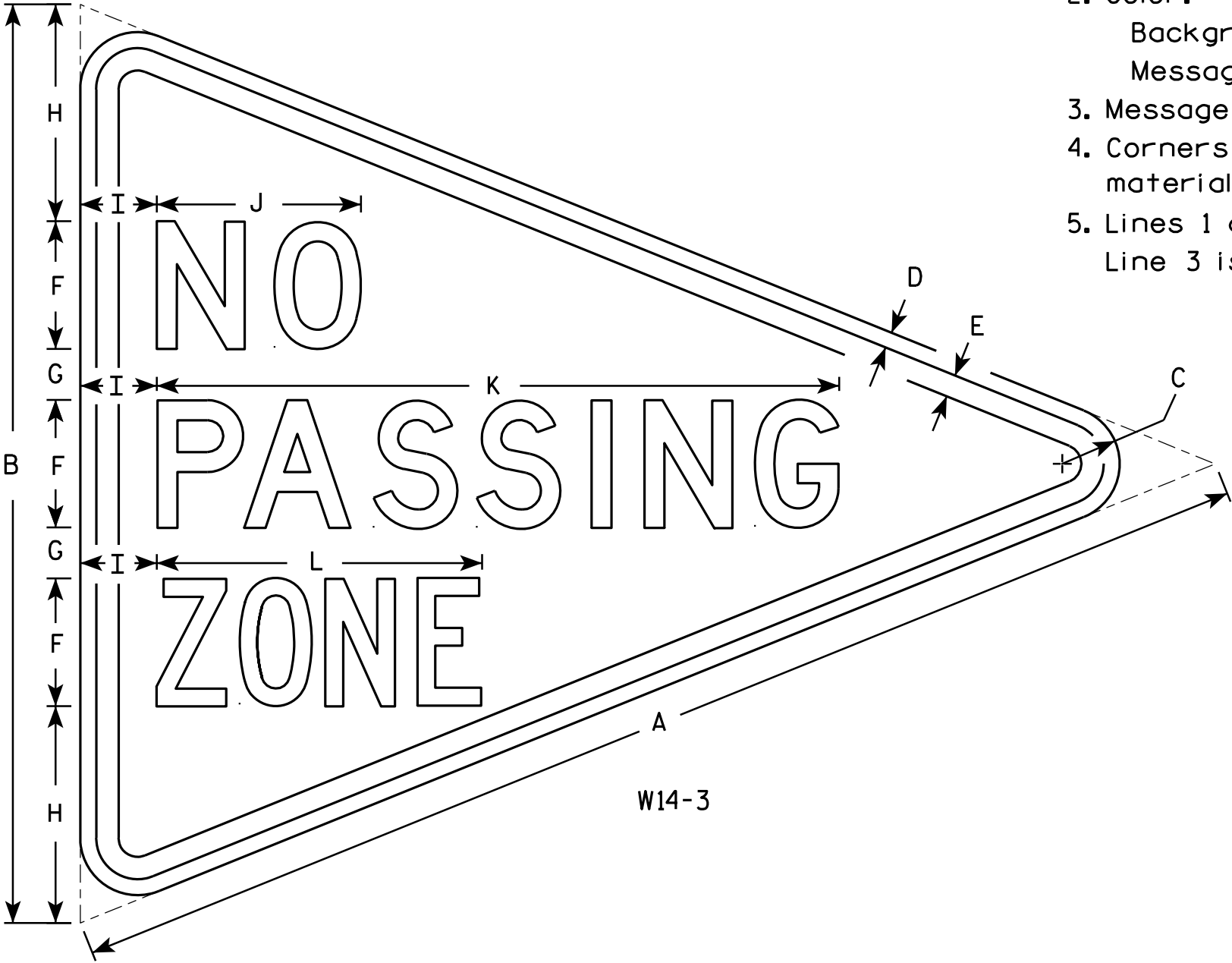
COUNTY:

SHEET NO:

E

NOTES

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



W14-3

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

STANDARD SIGN
W14-3

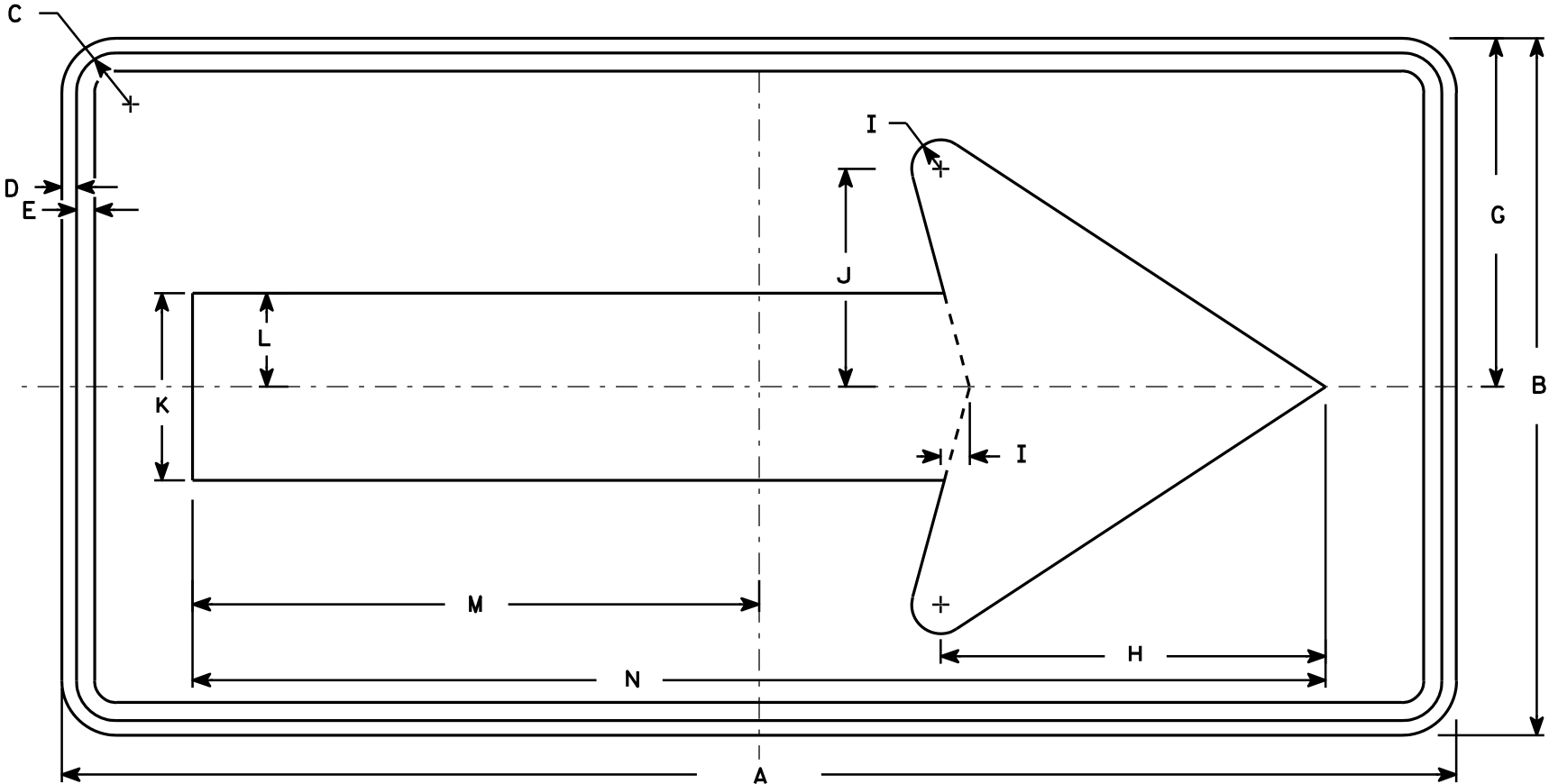
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

NOTES

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



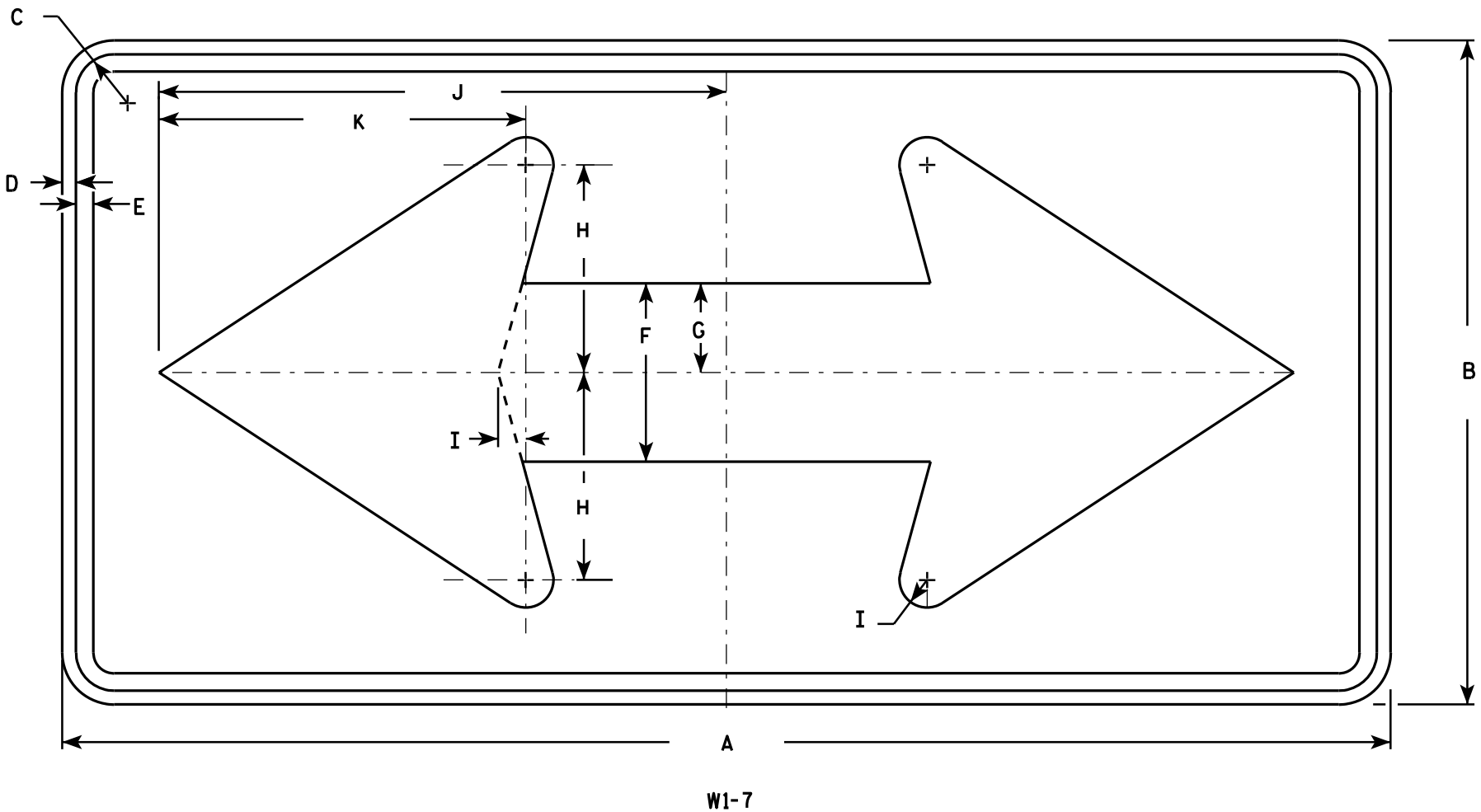
W1-6

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

STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 6/7/10 PLATE NO. W1-6.8



NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

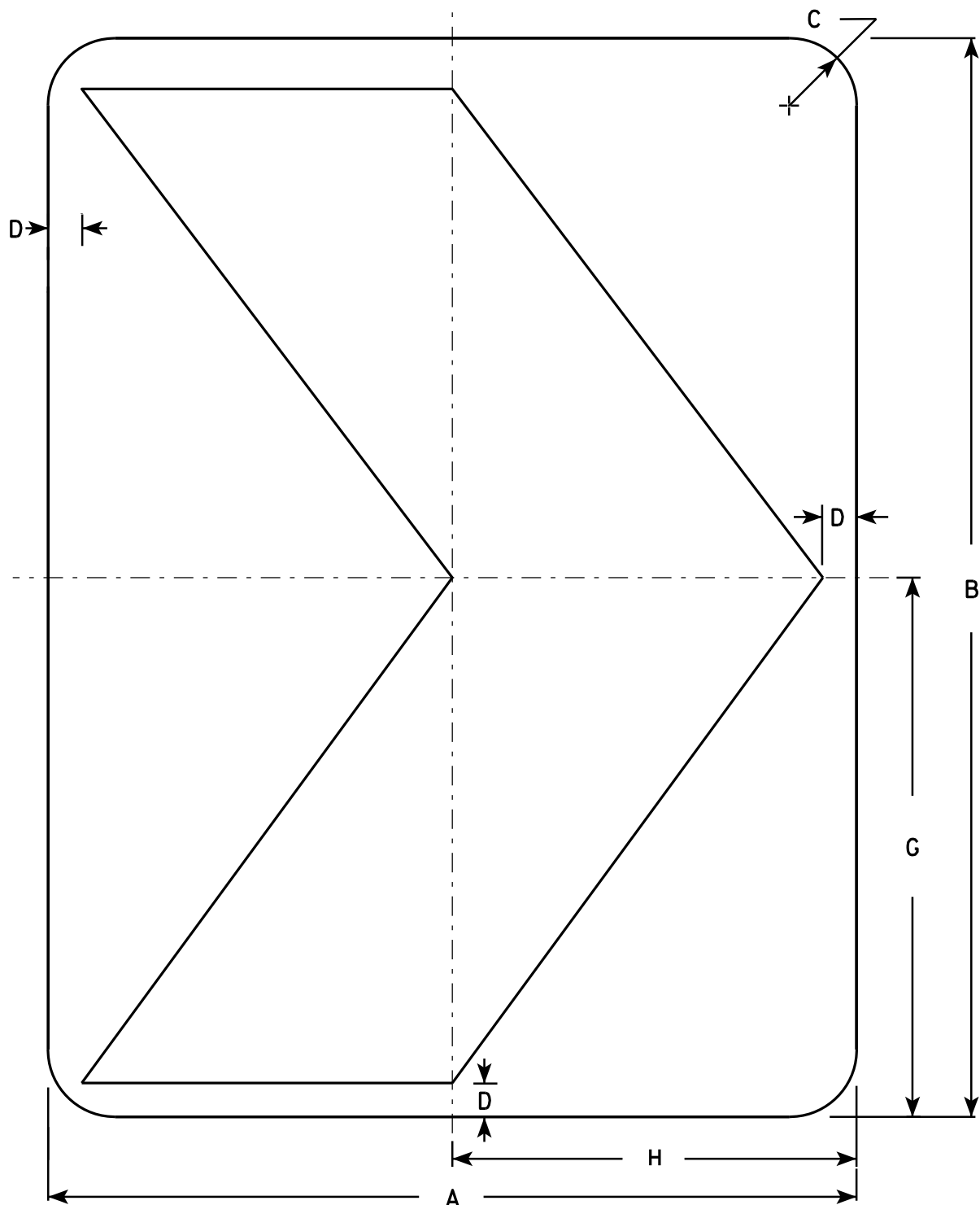
STANDARD SIGN

W1 - 7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7



NOTES

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

W1-8

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

STANDARD SIGN

W1-8

WISCONSIN DEPT OF TRANSPORTATION

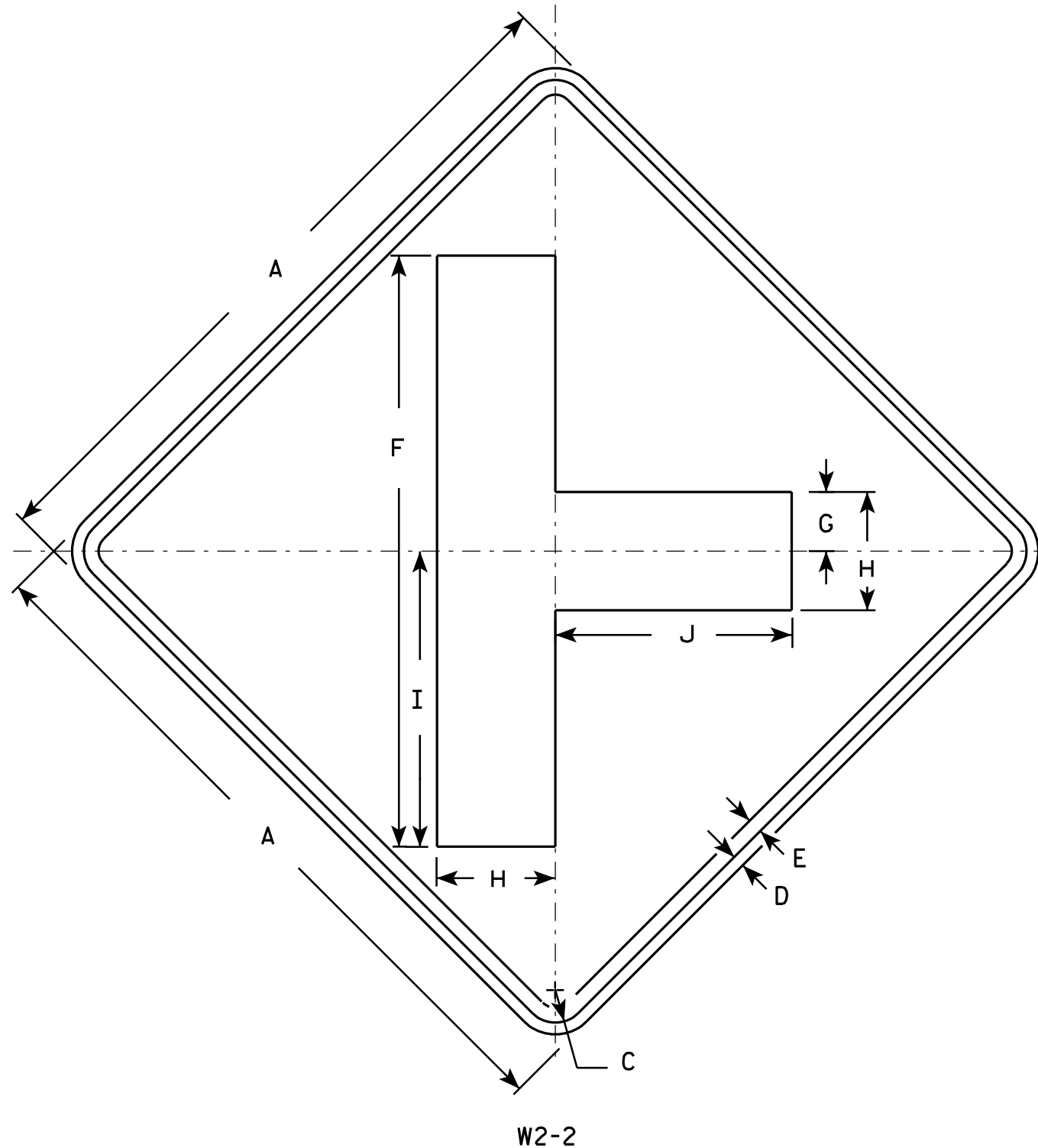
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

PROJECT NO:

SHEET NO:

E



NOTES

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

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

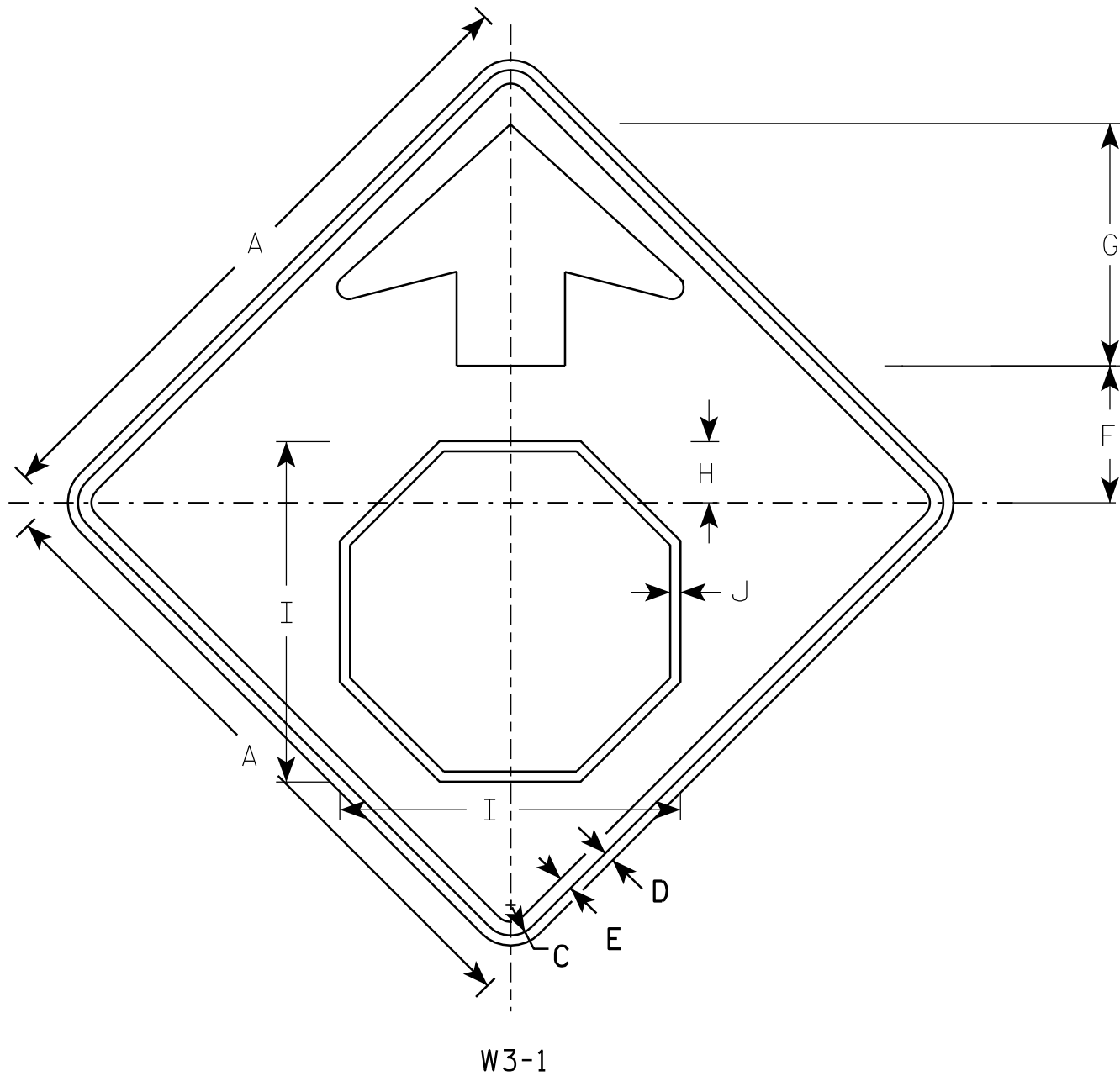
STANDARD SIGN W2-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

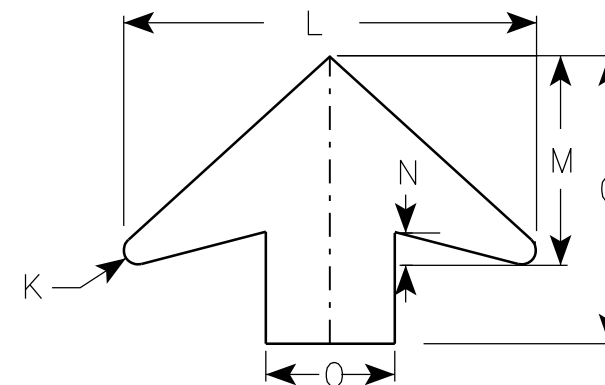
DATE 5/29/12 PLATE NO. W2-2.6

PROJECT NO: HWY: COUNTY: SHEET NO: E



NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - YELLOW
Arrow & Border - BLACK
Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	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
2M	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
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
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
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

PROJECT NO:

STANDARD SIGN
W3-1

WISCONSIN DEPT OF TRANSPORTATION

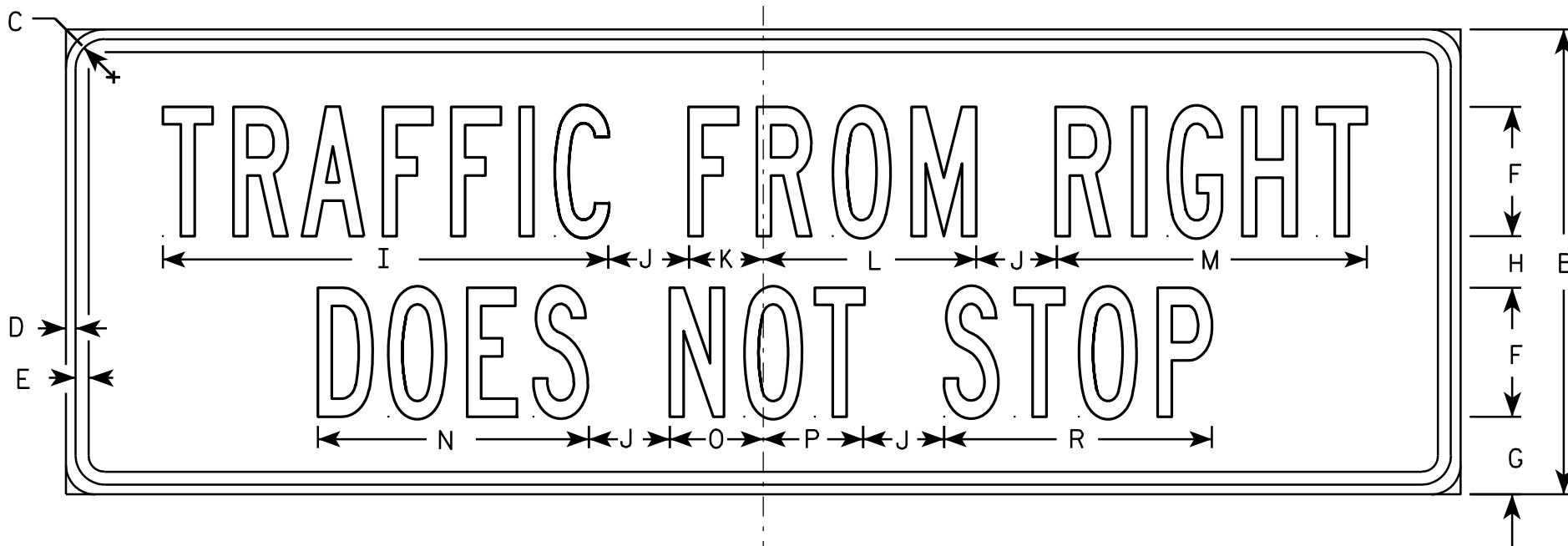
APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 6/7/10 PLATE NO. W3-1.12

SHEET NO:

E

TRAFFIC FROM LEFT

W4-4AL



W4-4AR

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 - B
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. R1-52L same as R1-52R except word LEFT replaces the word RIGHT and spacing is adjusted to achieve balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	10 3/8	1 1/2	1 3/4	4 7/8	7 1/4	6 1/4	2 1/4	2 1/4		6 1/4	1	5 5/8	5 3/4						2.5
2M	30	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	10 3/8	1 1/2	1 3/4	4 7/8	7 1/4	6 1/4	2 1/4	2 1/4		6 1/4	1	5 5/8	5 3/4						2.5
3	42	15	1 1/8	3/8	1/2	4	2 5/8	1 3/4	13 7/8	2 3/8	2 1/8	6 3/4	9 3/4	8 3/8	2 3/4	3 3/8		8 3/8	1 1/8	7 3/4	7 3/4						4.4
4	54	18	1 1/8	3/8	1/2	5	3	2	17 1/4	3 1/8	2 7/8	8 1/4	12	10 1/2	3 5/8	3 7/8		10 3/8	1 3/4	9 3/8	9 5/8						6.8
5																											

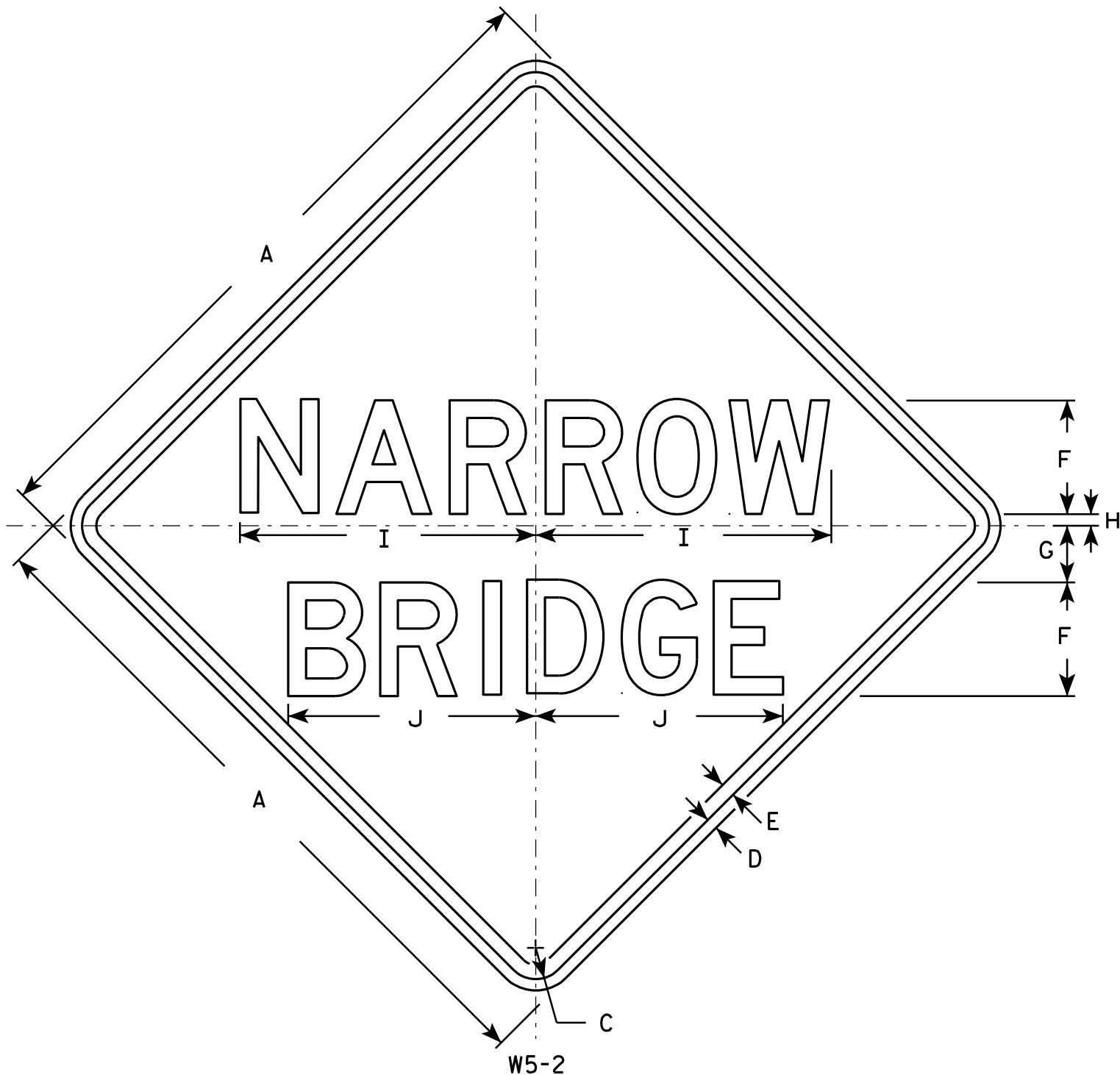
STANDARD SIGN
W4-4AL & W4-4AR

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/30/10 PLATE NO. W4-4A.1

PROJECT NO: HWY: COUNTY: SHEET NO: E



NOTES

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

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

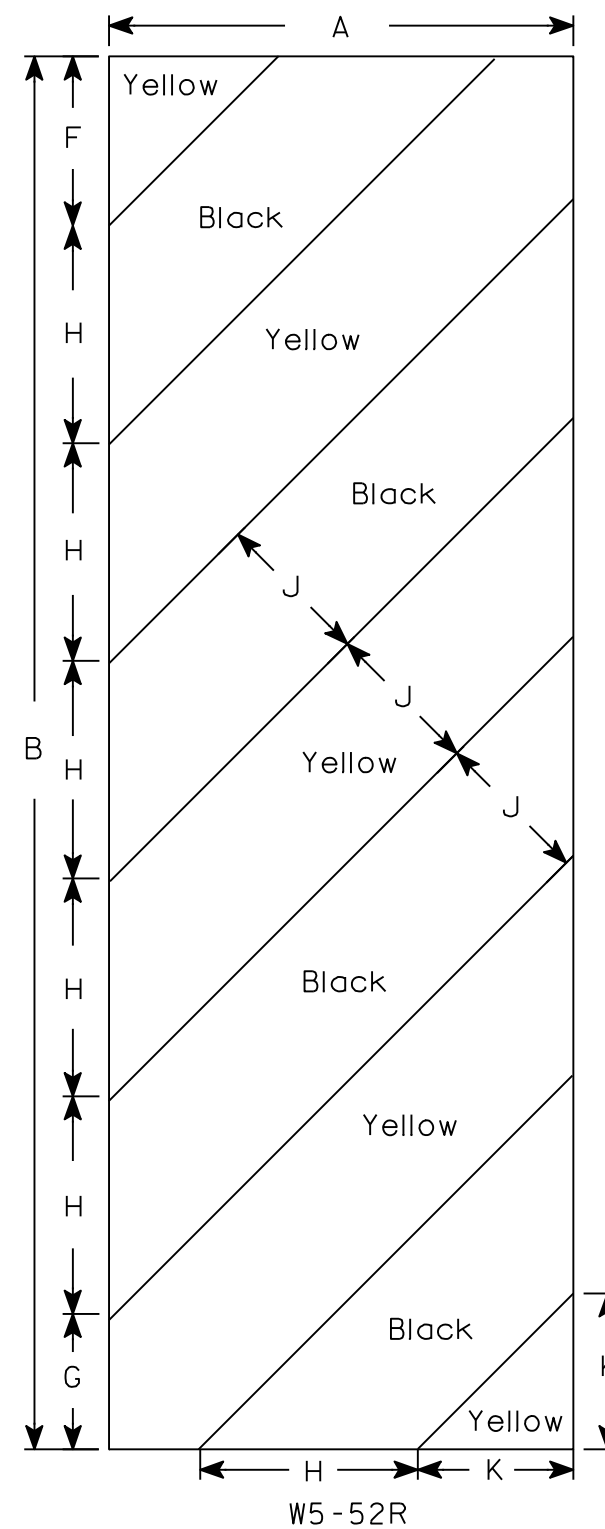
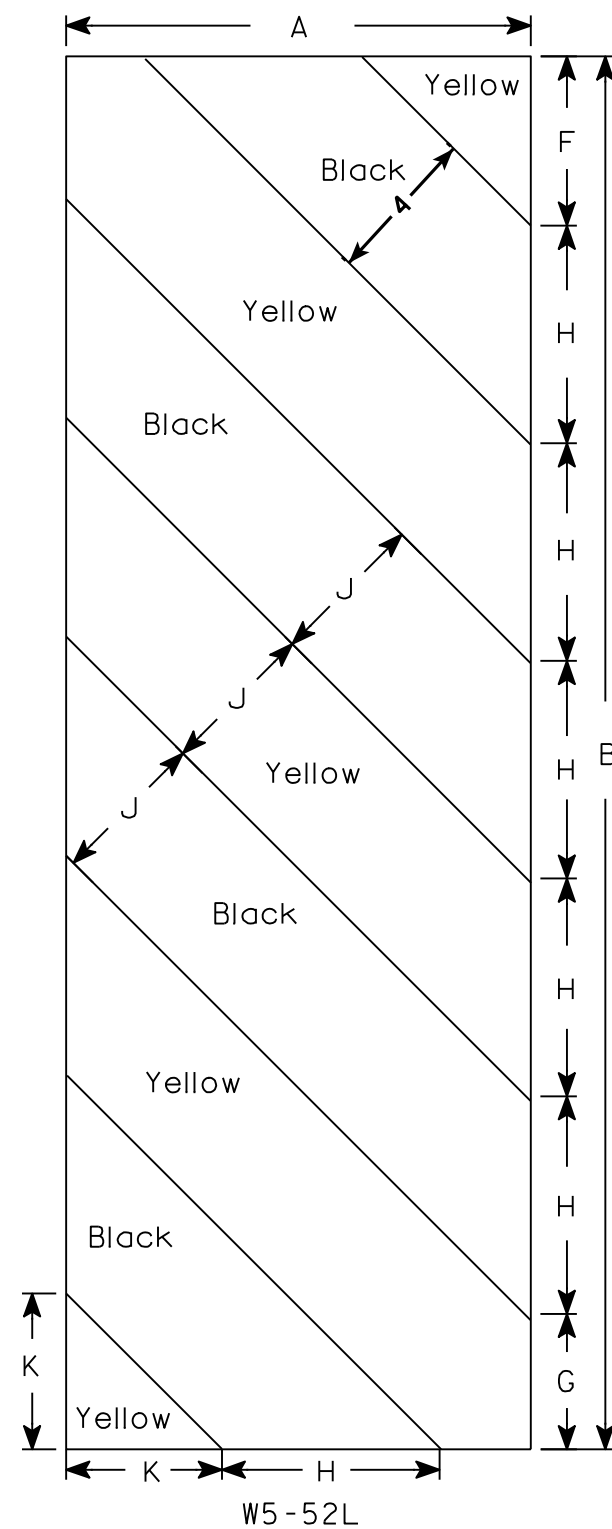
PROJECT NO:	HWY:	COUNTY:	SHEET NO: E
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STANDARD SIGN
W5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/22/11 PLATE NO. W5-2.7



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
 - Background - Yellow
 - 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. Alternate colors of stripes as shown.

[illegible]

STANDARD SIGN
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO:

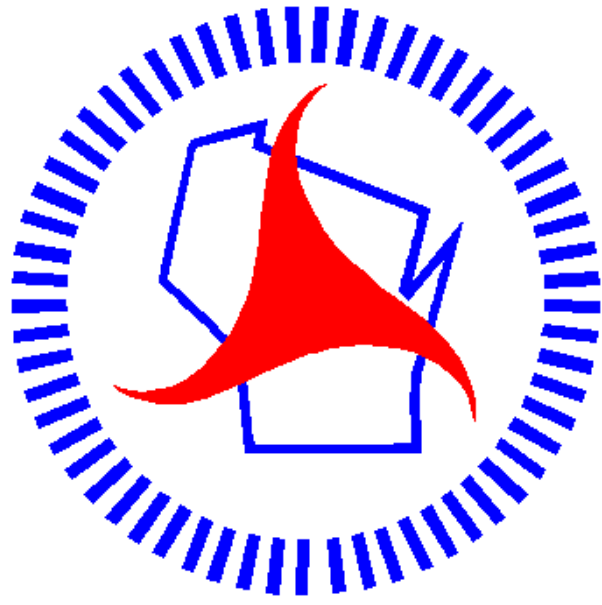
HWY:

COUNTY:

SHEET NO:

E

Notes



Wisconsin Department of Transportation

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