

GRE MAY 2017

PROJECT ID: 4670-12-60
WITH: N/A

COUNTY: CALUMET

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-PLAN
SECTION NO. 5	PLAN AND PROFILE
SECTION NO. 6	STANDARD DETAIL DRAWINGS
SECTION NO. 7	SIGN PLATES
SECTION NO. 8	STRUCTURE PLANS
SECTION NO. 9	COMPUTER EARTHWORK DATA
SECTION NO. 9	GROSS SECTIONS

TOTAL SHEETS = 86



DESIGN DESIGNATION

	STH 55 (SOUTH OF CTH KK)	STH 55 (NORTH OF CTH KK)
A.A.D.T. (2017)	= 3,800	8,000
A.A.D.T. (2037)	= 4,830	11,360
D.H.V.	= 350	850
D.D.	= 50/50	50/50
T.	= 7.2%	5.8%
DESIGN SPEED	= 55 MPH	45 MPH
ESALS	= 740,000	1,500,000

CONVENTIONAL SYMBOLS

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

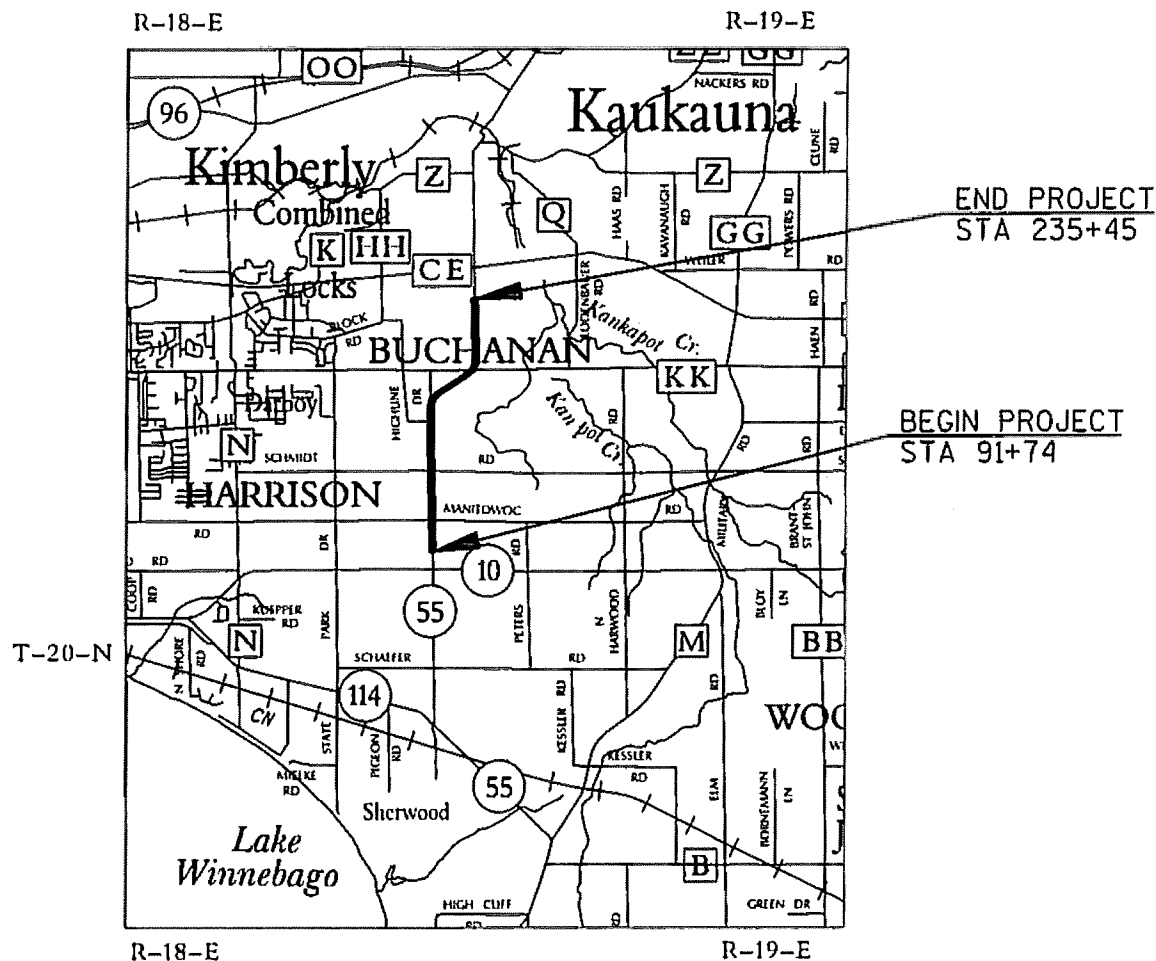
SHERWOOD - KAUKAUNA

USH 10 - RIDGECREST LANE

STH 55

CALUMET COUNTY

STATE PROJECT NUMBER
4670-12-60



LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 2.72 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY
COORDINATES, CALUMET COUNTY, NAD83 (2007) ADJUSTMENT.

STATE PROJECT

4670-12-60

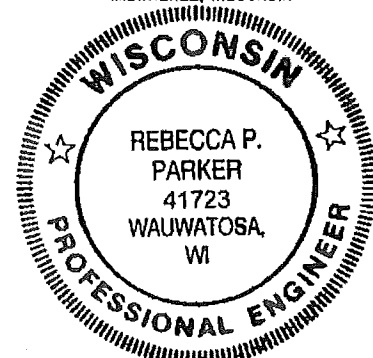
FEDERAL PROJECT

PROJECT

CONTRACT

ORIGINAL PLANS PREPARED BY

ch2m
MILWAUKEE, WISCONSIN



1/26/2017 (Date)
Rebecca P. Parker (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	GREMMER AND ASSOC.
Designer	CH2M HILL
Project Manager	TIMOTHY VERHAGEN
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	CHARLES KAROW

APPROVED FOR THE DEPARTMENT

DATE: 1/26/17 (Date)
Tim Verhagen (Signature)

E

GENERAL NOTES

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

EXISTING DRIVEWAYS SHALL BE RESTORED IN KIND AS DIRECTED BY THE ENGINEER IN THE FIELD AND AT THE LOCATIONS DETERMINED BY THE ENGINEER.

A SAWED JOINT IS REQUIRED WHERE NEW HMA OR CONCRETE PAVEMENT SURFACE MEETS EXISTING HMA OR CONCRETE PAVEMENT SURFACE.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL NOTES

USE STANDARD DETAIL DRAWINGS

"BARRICADES AND SIGNS FOR MAINLINE CLOSURES"

"DETOUR SIGNING FOR MAINLINE CLOSURES"

"BARRICADE AND SIGNS FOR SIDEROAD CLOSURES"

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

"TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)"

"MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY"

"TRAFFIC CONTROL, 2-LANE ROUNDABOUT"

PAVEMENT MARKING NOTES

USE STANDARD DETAIL DRAWINGS

"PAVEMENT MARKING (MAINLINE)"

"PAVEMENT MARKING (INTERSECTIONS)"

"MEDIAN ISLAND MARKING"

STANDARD ABBREVIATIONS

AEW	APRON END WALL
AGG	AGGREGATE
AH	AHEAD
BAD	BASE AGGREGATE DENSE
BK	BACK
BM	BENCH MARK
BT	BEGIN TRANSITION
CE	COMMERCIAL ENTRANCE
C&G	CURB AND GUTTER
C/L OR ☿	CENTER OR CONSTRUCTION LINE
CONC	CONCRETE
CORR	CORRUGATED
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPCS	CULVERT PIPE CORRUGATED STEEL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC YARD
Δ	DEGREE OF CURVE
L	DELTA
DISCH	DISCHARGE
EOP	EDGE OF PAVEMENT
ET	END TRANSITION
FE	FIELD ENTRANCE
FERT	FERTILIZER
FS	FULL SUPERELEVATION
HMA	HOT MIX ASPHALT
HP	HIGH POINT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
M/L	MATCH LINE
NB	NORTHBOUND
NC	NORMAL CROWN
NORM	NORMAL
OFF	OFFSET
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RT	RIGHT
SALV	SALVAGED
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPERELEVATION
SF	SQUARE FOOT
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
T/L	TRANSIT LINE
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT

AT&T WISCONSIN COMMUNICATIONS

JOSEPH KASSAB
221 W. WASHINGTON ST
APPLETON, WI 54911
PHONE: (920) 735-3206
EMAIL: Jk572k@att.com

ATC MANAGEMENT ELECTRICITY

MIKE OLSEN
801 O'KEEFE ROAD
P.O. BOX 6113
DE PERE, WI 54115
PHONE: (920) 338-6582
EMAIL: molsen@atc11c.com

CITY OF KAUKAUNA SEWER

JOHN SUNDELIUS
201 W. SECOND ST
P.O. BOX 890
KAUKAUNA, WI 54130
PHONE: (920) 766-6305
EMAIL: sundellus@kaukauna-wi.org

DARBOY JOINT SANITARY SEWER & WATER

PATRICK HENNESSEY
N398 CTH N
APPLETON, WI 54915
PHONE: (920) 788-6048
EMAIL: dsd@athenet.net

KAUKAUNA UTILITIES ELECTRICITY

ERIC MILLER
777 ISLAND ST
P.O. BOX 1777
KAUKAUNA, WI 54130-7077
PHONE: (920) 462-0214
EMAIL: emiller@ku-wi.org

KAUKAUNA UTILITIES WATER

KEVIN OBIALA
777 ISLAND ST
P.O. BOX 1777
KAUKAUNA, WI 54130-7077
PHONE: (920) 462-0233
EMAIL: kobiala@ku-wi.org

UTILITIES

NET LEC LLC COMMUNICATIONS

RICK VINCENT
450 SECURITY BLVD
P.O. BOX 19079
GREEN BAY, WI 54307-9079
PHONE: (920) 617-7316
EMAIL: rick.vincent@nsight.com

TDS TELECOM COMMUNICATIONS

STEVE JAKUBIEC
10 COLLEGE AVE
APPLETON, WI 54911
PHONE: (920) 882-4166
EMAIL: steve.jakubiec@tdstelecom.com

VILLAGE OF COMBINED LOCKS WATER

MARK VANTHIEL
405 WALLACE ST
COMBINED LOCKS, WI 54113
PHONE: (920) 788-7740

WAVERLY SANITARY DISTRICT SEWER

BOB KRUEGER
N8722 COUNTY RD LP
MENASHA, WI 54952
PHONE: (920) 731-0002
EMAIL: bobbuck@new.rr.com

WE ENERGIES ELECTRICITY & GAS/PETROLEUM

LATROY BRUMFIELD
333 WEST EVERETT ST, ROOM A299
MILWAUKEE, WI 53203
PHONE: (414) 221-5617
EMAIL: latroy.brumfield@we-energies.com

TIME WARNER CABLE COMMUNICATIONS

VINCENT ALBIN
3520 E DESTINATION DR
APPLETON, WI 54915
PHONE: (920) 831-9249
EMAIL: vince.albin@tvcable.com

OTHER CONTACTS

WISCONSIN DEPARTMENT OF TRANSPORTATION

TIMOTHY VERHAGEN
944 VANDERPERREN WAY
GREEN BAY, WI 54304
PHONE: (920) 362-1267
EMAIL: timothy.verhagen@dot.wi.gov

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

MATT SCHAEVE
2984 SHAWNO AVENUE
GREEN BAY, WI 54313-6727
PHONE: (920) 662-5472
EMAIL: matthew.schaeve@wisconsin.gov

WISDOT SURVEY COORDINATOR

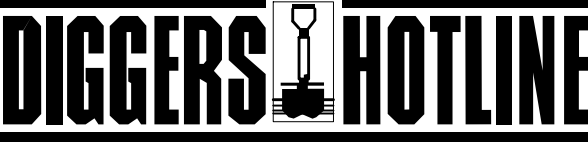
CORMAC McINNIS
944 VANDERPERREN WAY
GREEN BAY, WI 54304
PHONE: (920) 492-5638
EMAIL: cormac.mcinnis@dot.wi.gov

CH2M

REBECCA PARKER
135 S. 84TH STREET
SUITE 400
MILWAUKEE, WI 53214
PHONE: (414) 847-0390
EMAIL: rebecca.parker@ch2m.com

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PERMANENT SIGNING
PAVEMENT MARKING
DETOUR PLAN



Dial  or (800) 242-8511
www.DiggersHotline.com

2

2 |



PROJECT NO: 4670-12-60

HWY: STH 55

COUNTY: CALUMET

PROJECT OVERVIEW

SHEET

3

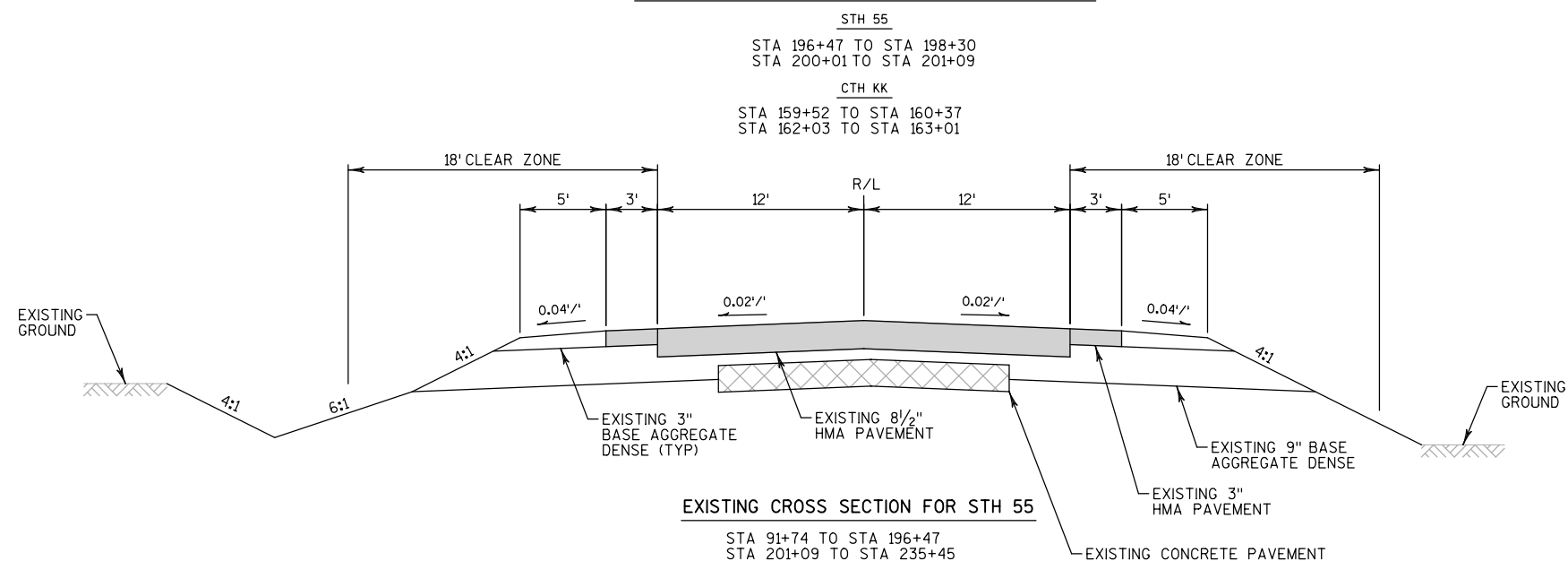
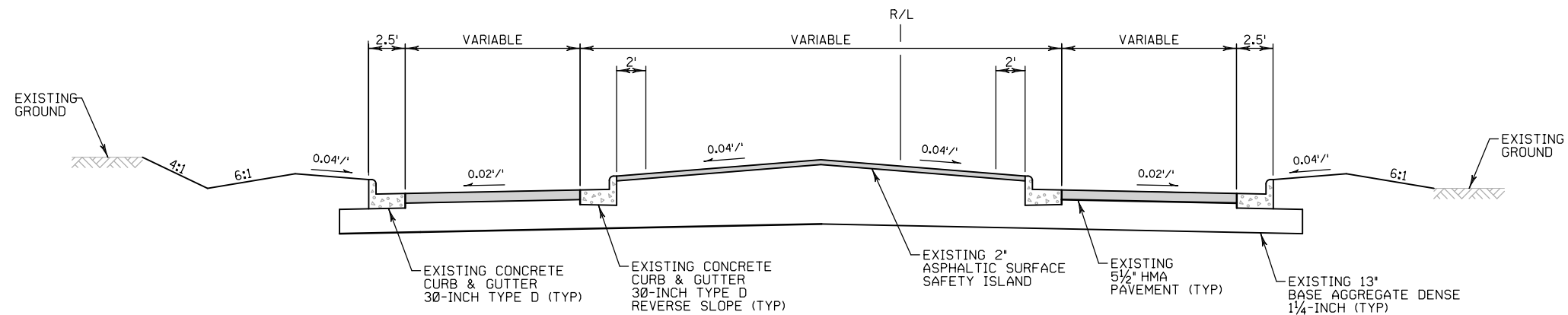
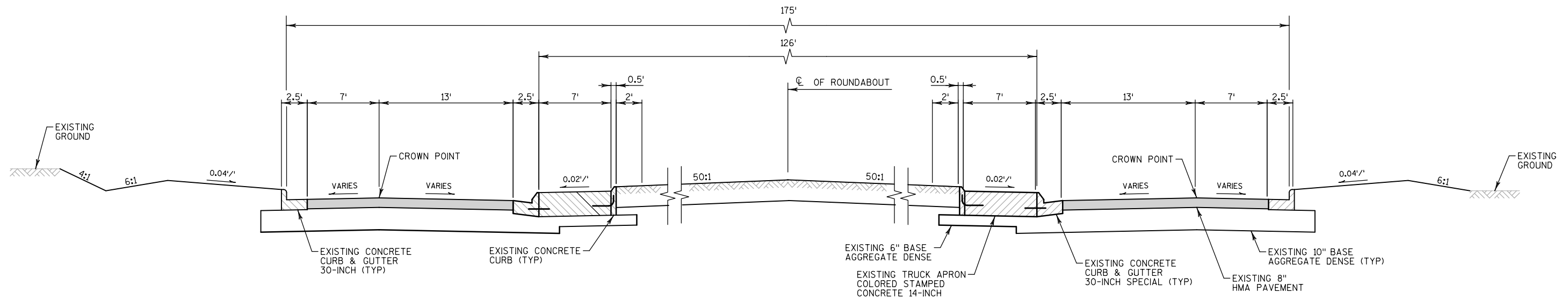
FILE NAME : I:\WisDot\653625 WisDOT Design Master\W010-STH 55\CAD\SheetsPlan\ch_46701230_020201_po.dgn

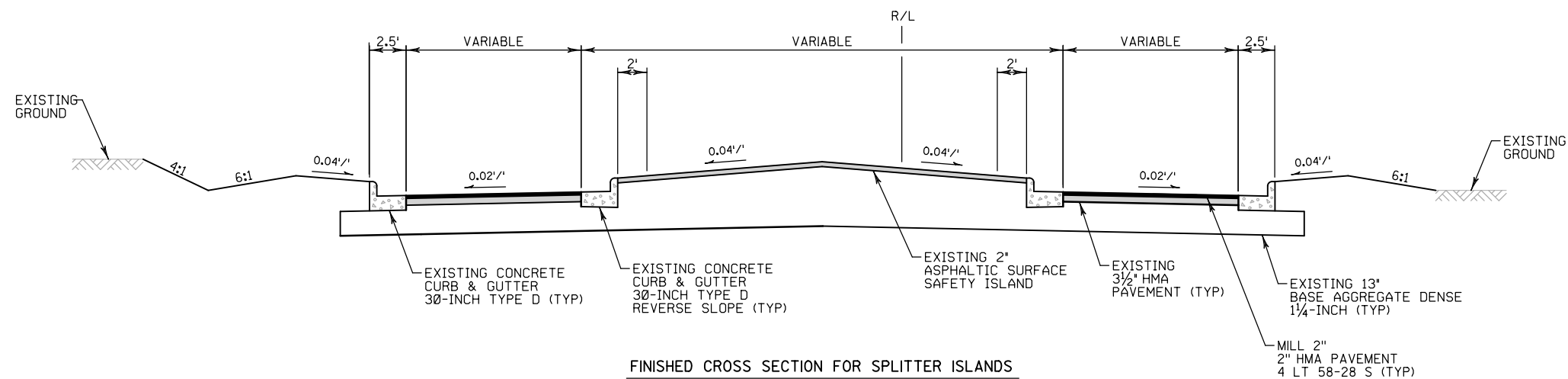
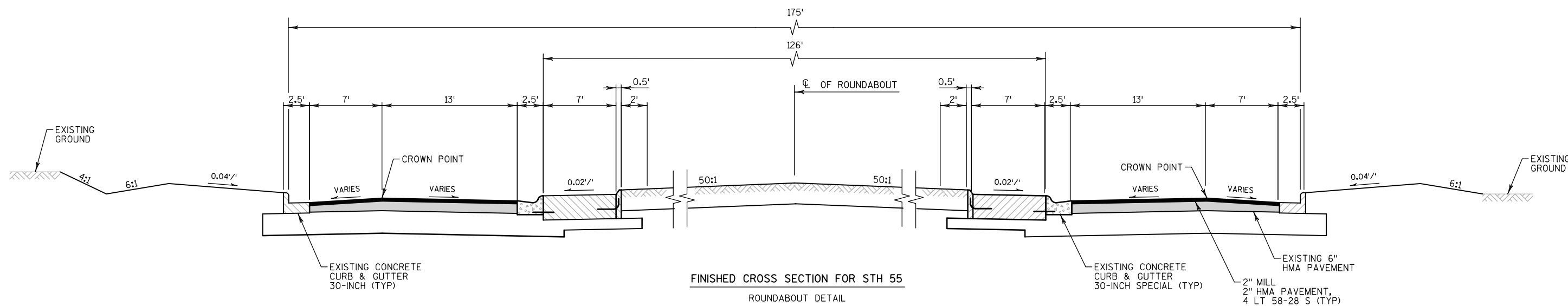
PLOT DATE : 03-JAN-2017

PLOT BY : \$\$...plotuser...\$\$ PLOT NAME :

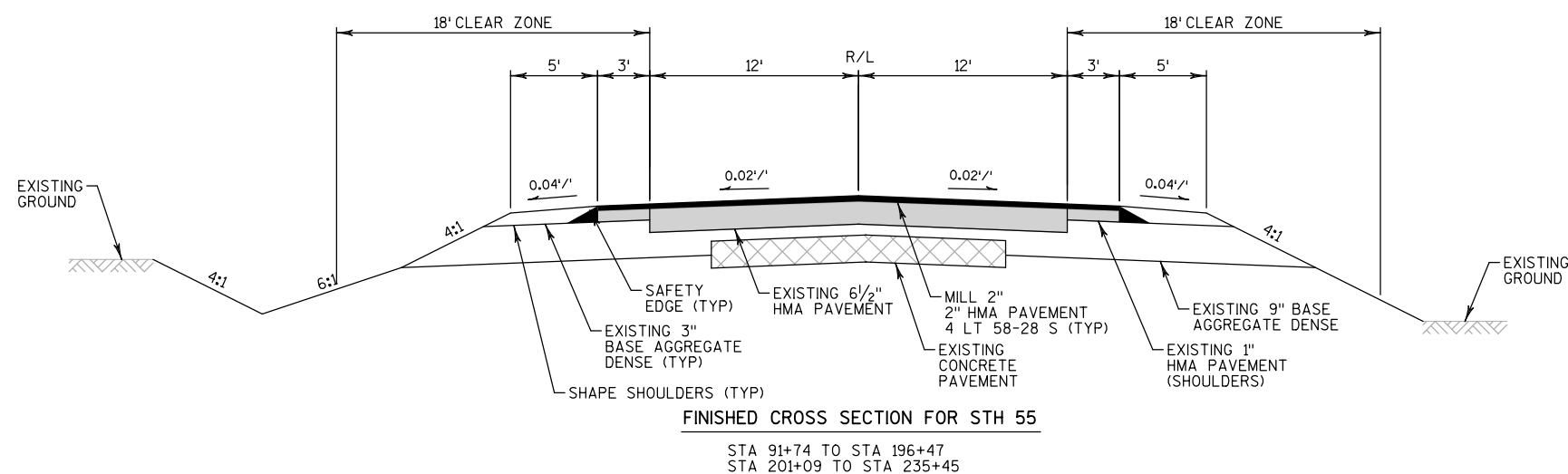
PLOT SCALE : 1200:1

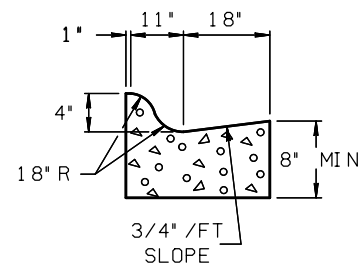
WISDOT/CADDS SHEET 42



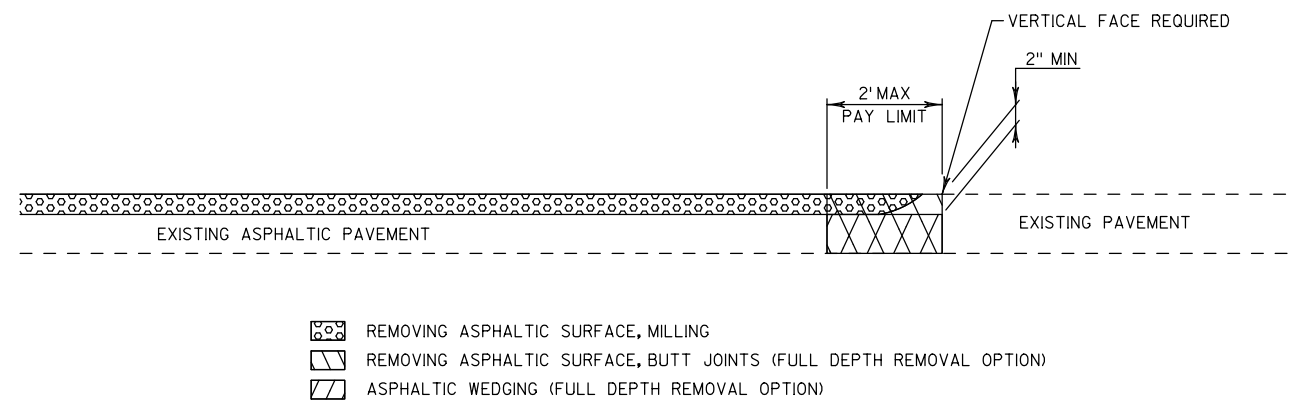


STH 55
STA 196+47 TO STA 198+30
STA 200+01 TO STA 201+09
CTH KK
STA 159+52 TO STA 160+37
STA 162+03 TO STA 163+01

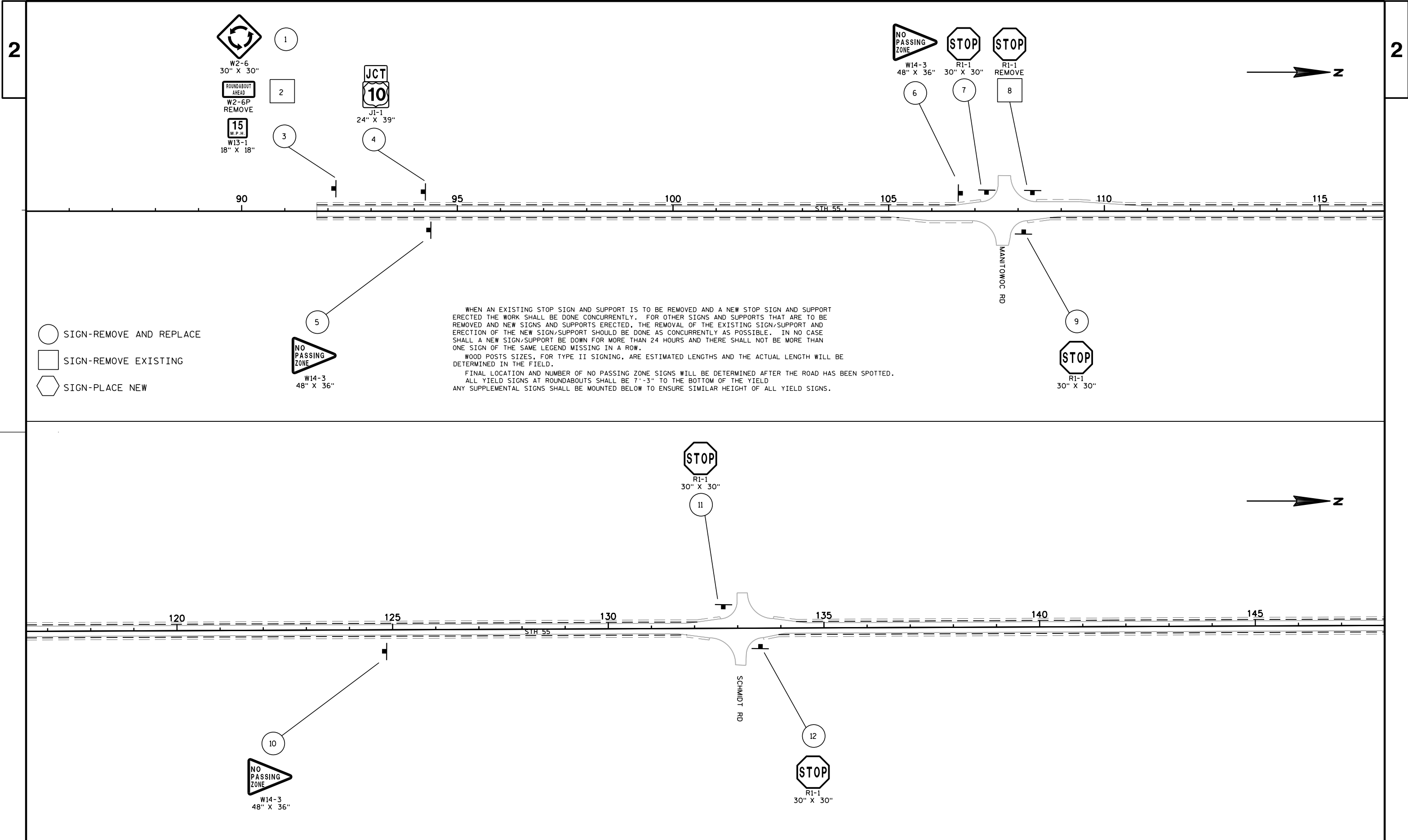




CONCRETE CURB & GUTTER 30-INCH SPECIAL HES



BUTT JOINT DETAIL FOR MILLED ASPHALTIC PAVEMENTS



- SIGN-REMOVE AND REPLACE
□ SIGN-REMOVE EXISTING
◡ SIGN-PLACE NEW

W14-3
48" X 36"

13

R1-1
30" X 30"

16

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.

FINAL LOCATION AND NUMBER OF NO PASSING ZONE SIGNS WILL BE DETERMINED AFTER THE ROAD HAS BEEN SPOTTED.

ALL YIELD SIGNS AT ROUNDABOUTS SHALL BE 7'-3" TO THE BOTTOM OF THE YIELD

ANY SUPPLEMENTAL SIGNS SHALL BE MOUNTED BELOW TO ENSURE SIMILAR HEIGHT OF ALL YIELD SIGNS.

HIGH LINE RD

150

155

160

165

STH 55

170

175

FRIENDSHIP DR

W1-2R
30" X 30"

15

W13-1
18" X 18"

SPEED TO BE DETERMINED IN THE FIELD

W1-7
48" X 24"

17

W1-6
48" X 24"

18

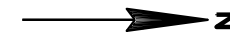
R1-1
30" X 30"

19

W1-6
48" X 24"

19A

STREET SIGNS SHALL NOT BE MOUNTED ON STATE OWNED SIGN POSTS

155-56
30" X 36"INCLUDES NEW POST
BRACKET PER
155-56B SIGN DETAIL

23

W1-2L
30" X 30"

24

W13-1
18" X 18"

25

SPEED TO BE DETERMINED IN THE FIELD

R2-1
24" X 30"

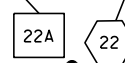
27

W1-6
48" X 24"

21

S3-1
REMOVE

20

W3-5
36" X 36"

22

22A

J1-1
24" X 39"

26

R2-1
24" X 30"

28

W2-6
30" X 30"

29

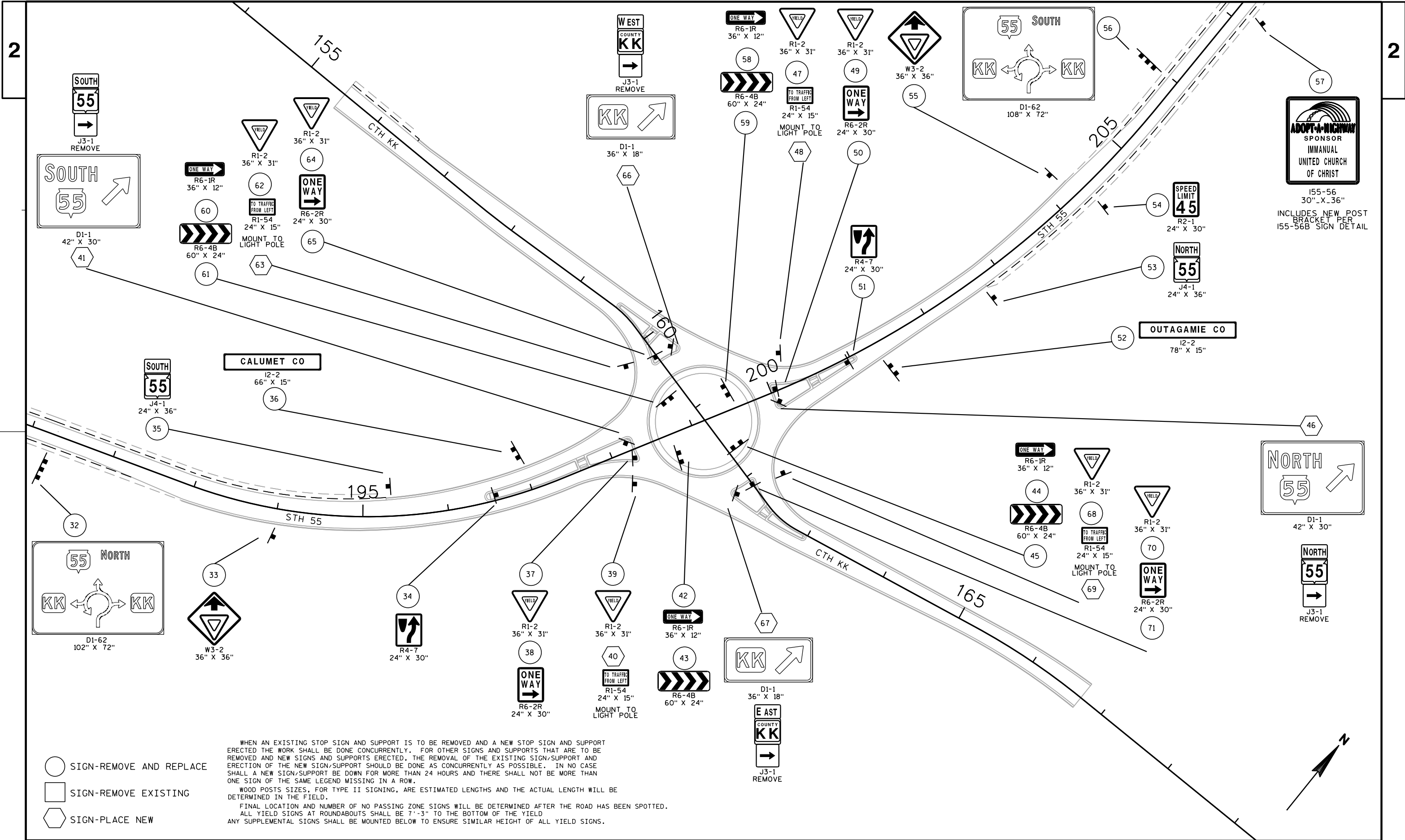
W2-6P
REMOVE

30

W13-1
18" X 18"

31





PROJECT NO: 4670-12-60

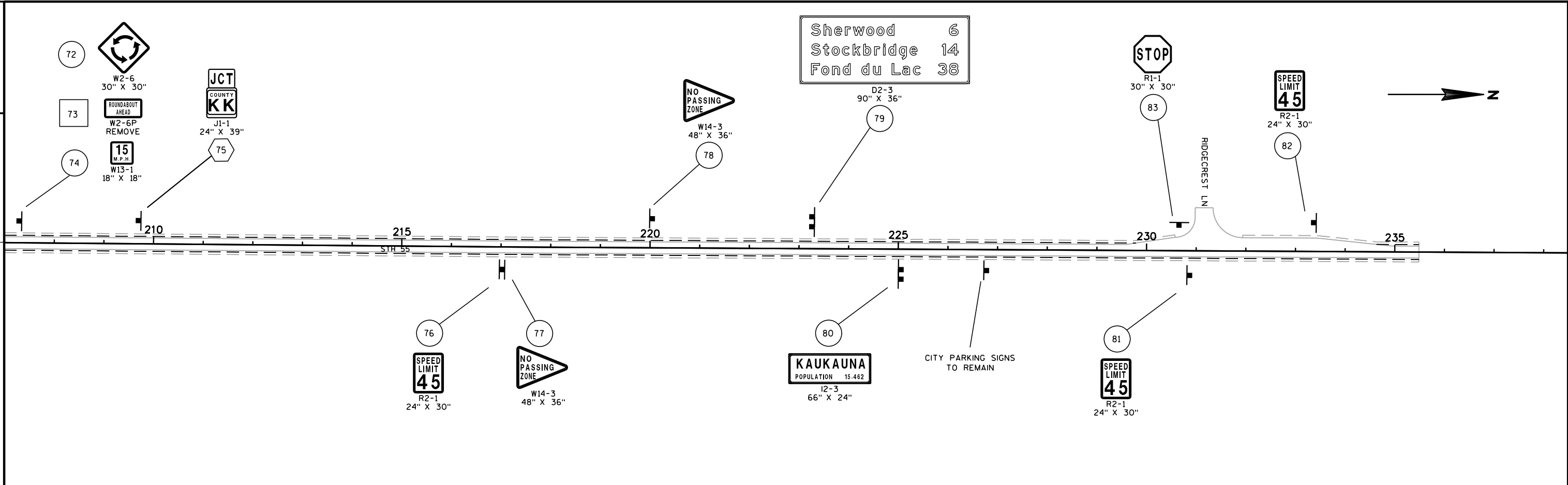
HWY: STH 55

COUNTY: CALUMET

PERMANENT SIGNING

SHEET

E



- SIGN-REMOVE AND REPLACE
- SIGN-REMOVE EXISTING
- SIGN-PLACE NEW

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.

FINAL LOCATION AND NUMBER OF NO PASSING ZONE SIGNS WILL BE DETERMINED AFTER THE ROAD HAS BEEN SPOTTED.

ALL YIELD SIGNS AT ROUNDABOUTS SHALL BE 7'-3" TO THE BOTTOM OF THE YIELD

ANY SUPPLEMENTAL SIGNS SHALL BE MOUNTED BELOW TO ENSURE SIMILAR HEIGHT OF ALL YIELD SIGNS.

NOTE:
THE CONTRACTOR SHALL NOTIFY THE NE REGION TRAFFIC UNIT, 920-492-3513
A MINIMUM OF TWO WEEKS PRIOR TO THE PAVEMENT MARKING, TO ALLOW FOR
THE LAYOUT OF ANY PERMANENT PAVEMENT MARKING REQUIRED ON THE PROJECT.

ALL PAVEMENT MARKING DIMENSIONS ARE FROM FLANGE OF CURB.

PAVEMENT MARKING DIMENSIONS EXISTING ROUNDABOUT ALONG SPLITTER ISLANDS
ARE APPROXIMATE AND LAYOUT WILL BE DETERMINED IN THE FIELD.

4-INCH EPOXY
DOUBLE YELLOW (TYP)

4-INCH GROOVED WET
REFLECTIVE EPOXY

18-INCH EPOXY WHITE
(2 FT LINE, 2 FT GAP) (TYP)

8-INCH EPOXY
WHITE 5' PAST
CURB RADIUS (TYP)

8-INCH EPOXY
WHITE (TYP)

END CONSTRUCTION
STA 163+00



4-INCH EPOXY
YELLOW (TYP)

END CONSTRUCTION
STA 159+50

4-INCH GROOVED WET
REFLECTIVE EPOXY
WHITE (TYP)

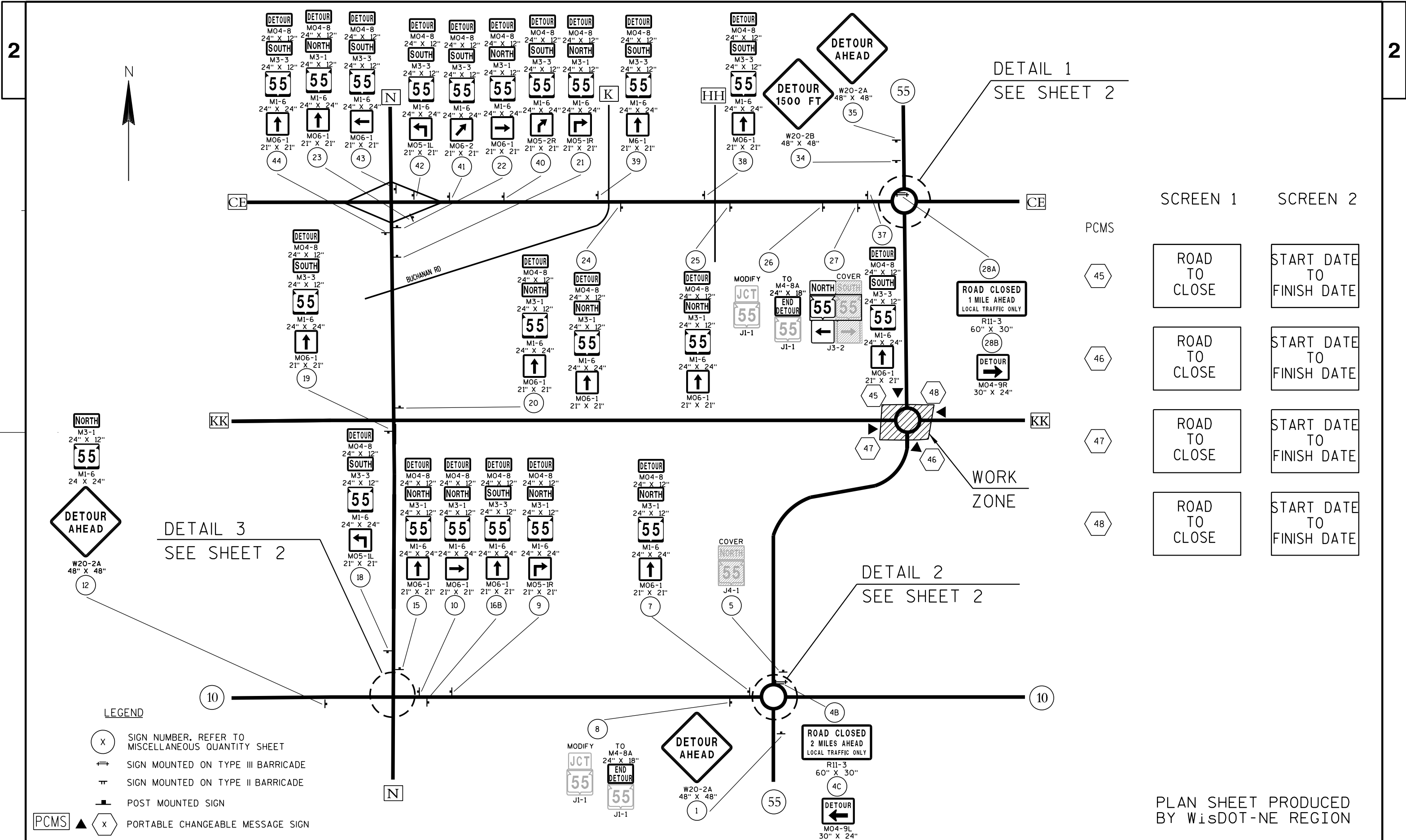
4-INCH EPOXY
YELLOW (TYP)

12-INCH DIAGONAL EPOXY*
WHITE (TYP)
10 FT C-C SPACING

12-INCH DIAGONAL EPOXY*
YELLOW (TYP)
10 FT C-C SPACING

12-INCH DIAGONAL EPOXY
YELLOW (TYP)
25 FT C-C SPACING

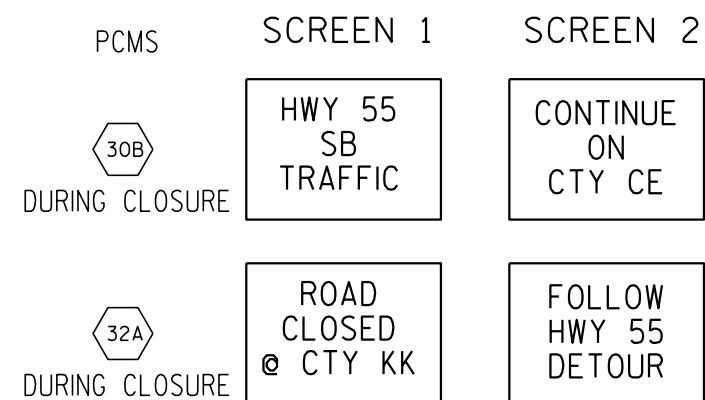
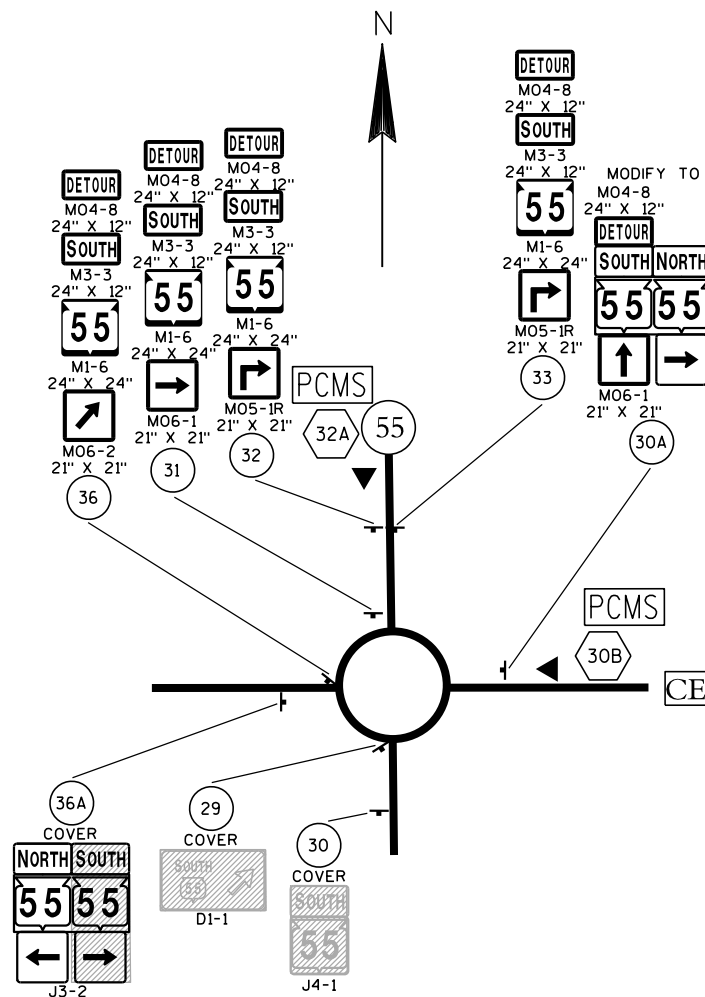
*DIAGONAL COLOR
SHALL MATCH ABUTTING
8" OR 4" MARKINGS



SCREEN 1	SCREEN 2
ROAD TO CLOSE	START DATE TO FINISH DATE
ROAD TO CLOSE	START DATE TO FINISH DATE
ROAD TO CLOSE	START DATE TO FINISH DATE
ROAD TO CLOSE	START DATE TO FINISH DATE

PLAN SHEET PRODUCED BY WISDOT-NE REGION

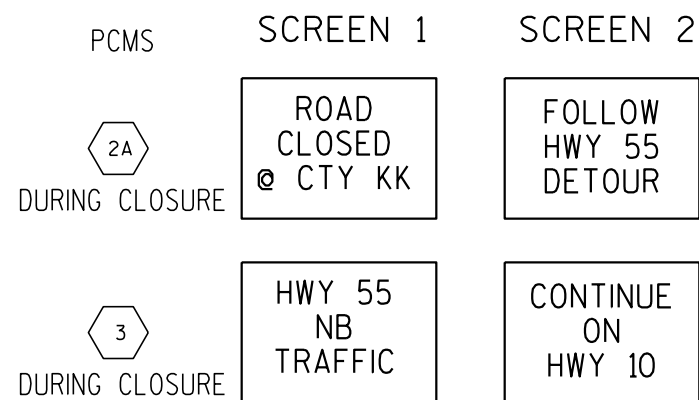
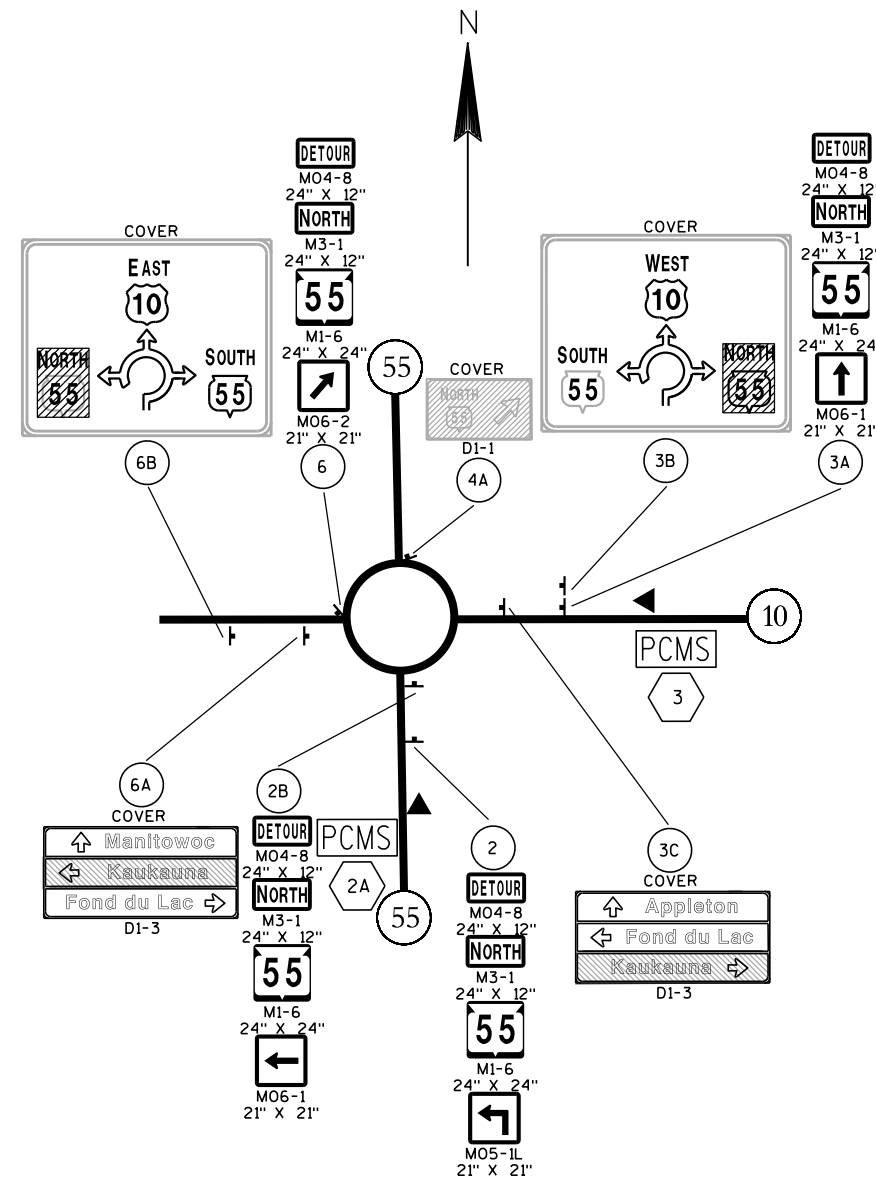
- LEGEND
- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
 - ≡ SIGN MOUNTED ON TYPE III BARRICADE
 - ≡ SIGN MOUNTED ON TYPE II BARRICADE
 - POST MOUNTED SIGN
 - PCMS ▲ (X) PORTABLE CHANGEABLE MESSAGE SIGN



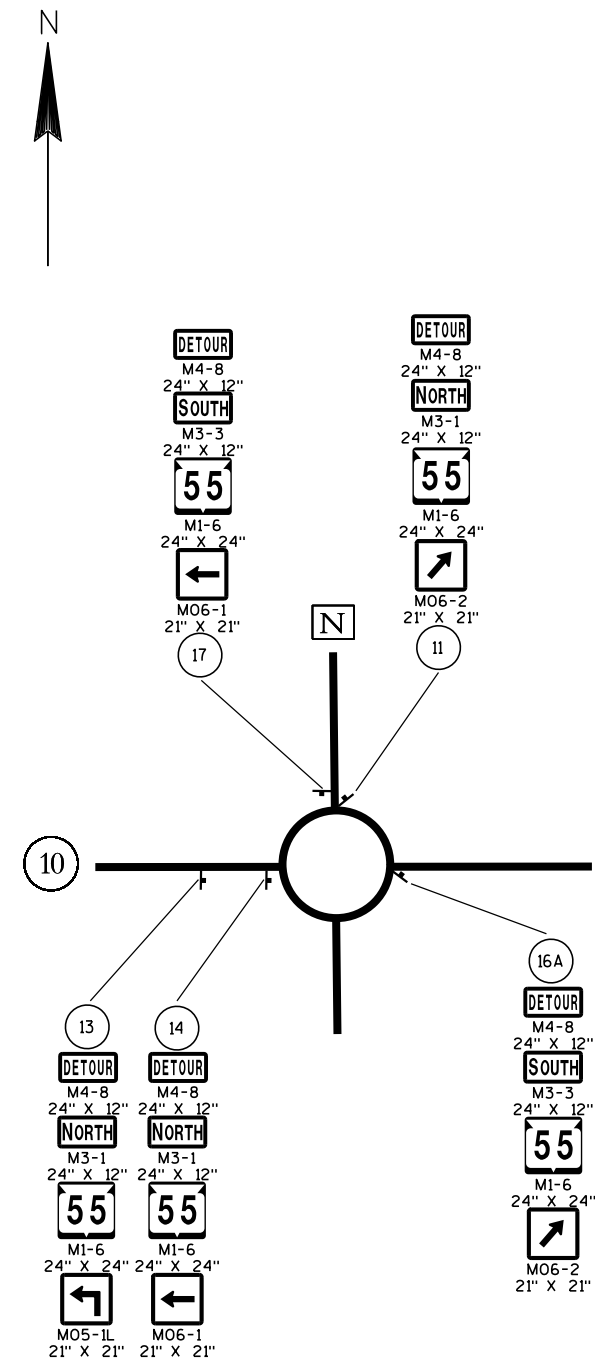
LEGEND

DETAIL 1

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ⇌ SIGN MOUNTED ON TYPE III BARRICADE
- ⇌ SIGN MOUNTED ON TYPE II BARRICADE
- POST MOUNTED SIGN
- PCMS ▲ (X) PORTABLE CHANGEABLE MESSAGE SIGN



DETAIL 2



DETAIL 3

PLAN SHEET PRODUCED
BY WISDOT-NE REGION

Estimate Of Quantities

4670-12-60					
Line	Item	Item Description	Unit	Total	Qty
0010	204.0115	Removing Asphaltic Surface Butt Joints	SY	71.000	71.000
0020	204.0120	Removing Asphaltic Surface Milling	SY	54,600.000	54,600.000
0030	204.0150	Removing Curb & Gutter	LF	30.000	30.000
0040	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 4670-12-60	LS	1.000	1.000
0050	213.0100	Finishing Roadway (project) 01. 4670-12-60	EACH	1.000	1.000
0060	305.0110	Base Aggregate Dense 3/4-Inch	TON	3,050.000	3,050.000
0070	305.0500	Shaping Shoulders	STA	263.000	263.000
0080	440.4410	Incentive IRI Ride	DOL	7,130.000	7,130.000
0090	455.0605	Tack Coat	GAL	1,365.000	1,365.000
0100	460.2000	Incentive Density HMA Pavement	DOL	3,240.000	3,240.000
0110	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	13,950.000	13,950.000
0120	460.5224	HMA Pavement 4 LT 58-28 S	TON	6,280.000	6,280.000
0130	465.0110	Asphaltic Surface Patching	TON	50.000	50.000
0140	465.0475	Asphalt Center Line Rumble Strips 2-Lane Rural	LF	9,670.000	9,670.000
0150	611.0652	Inlet Covers Type T	EACH	2.000	2.000
0160	619.1000	Mobilization	EACH	1.000	1.000
0170	624.0100	Water	MGAL	280.000	280.000
0180	628.7015	Inlet Protection Type C	EACH	3.000	3.000
0190	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	29.000	29.000
0200	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	40.000	40.000
0210	637.2210	Signs Type II Reflective H	SF	412.760	412.760
0220	637.2230	Signs Type II Reflective F	SF	133.000	133.000
0230	638.2602	Removing Signs Type II	EACH	60.000	60.000
0240	638.3000	Removing Small Sign Supports	EACH	64.000	64.000
0250	642.5001	Field Office Type B	EACH	1.000	1.000
0260	643.0100	Traffic Control (project) 01. 4670-12-60	EACH	1.000	1.000
0270	643.0300	Traffic Control Drums	DAY	425.000	425.000
0280	643.0310.S	Temporary Portable Rumble Strips	LS	1.000	1.000
0290	643.0420	Traffic Control Barricades Type III	DAY	22.000	22.000
0300	643.0705	Traffic Control Warning Lights Type A	DAY	44.000	44.000
0310	643.0800	Traffic Control Arrow Boards	DAY	16.000	16.000
0320	643.0900	Traffic Control Signs	DAY	700.000	700.000
0330	643.0910	Traffic Control Covering Signs Type I	EACH	4.000	4.000
0340	643.0920	Traffic Control Covering Signs Type II	EACH	22.000	22.000
0350	643.1050	Traffic Control Signs PCMS	DAY	62.000	62.000
0360	643.2000	Traffic Control Detour (project) 01. 4670-12-60	EACH	1.000	1.000
0370	643.3000	Traffic Control Detour Signs	DAY	750.000	750.000
0380	646.0106	Pavement Marking Epoxy 4-Inch	LF	21,245.000	21,245.000
0390	646.0126	Pavement Marking Epoxy 8-Inch	LF	250.000	250.000

Estimate Of Quantities

4670-12-60

Line	Item	Item Description	Unit	Total	Qty
0400	646.0156	Pavement Marking Epoxy 18-Inch	LF	90.000	90.000
0410	646.0406	Pavement Marking Same Day Epoxy 4-Inch	LF	16,520.000	16,520.000
0420	646.2304.S	Pavement Marking Grooved Wet Reflective Epoxy 4-Inch	LF	26,170.000	26,170.000
0430	646.2308.S	Pavement Marking Grooved Wet Reflective Epoxy 8-Inch	LF	200.000	200.000
0440	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	165.000	165.000
0450	648.0100	Locating No-Passing Zones	MI	2.600	2.600
0460	649.0402	Temporary Pavement Marking Paint 4-Inch	LF	27,000.000	27,000.000
0470	649.0403	Temporary Pavement Marking Epoxy 4-Inch	LF	27,000.000	27,000.000
0480	650.8000	Construction Staking Resurfacing Reference	LF	14,400.000	14,400.000
0490	690.0150	Sawing Asphalt	LF	322.000	322.000
0500	690.0250	Sawing Concrete	LF	15.000	15.000
0510	SPV.0060	Special 01. Adjusting Inlet Covers with Rubber Rings	EACH	3.000	3.000
0520	SPV.0090	Special 01. Concrete Curb and Gutter 30-Inch Special HES	LF	20.000	20.000
0530	SPV.0090	Special 02. Concrete Curb and Gutter 30-Inch Type D HES	LF	10.000	10.000

REMOVING ASPHALTIC SURFACE BUTT JOINTS

		204.0115		690.0150	
		REMOVING ASPHALTIC		SAWING	
		SURFACE BUTT JOINTS		ASPHALT	
STATION - STATION		LOCATION	SY	LF	COMMENTS
CAT 0100					
91+74		STH 55	7	30	MAINLINE SOUTH LIMIT
106+81	108+30	MANITOWOC RD	11	56	INTESECTION RT & LT
132+23	133+71	SCHMIDT RD	11	48	INTESECTION RT & LT
158+86	160+20	HIGH LINE ROAD	8	34	INTESECTION LT
170+30	171+50	FRIENDSHIP DR	5	24	INTESECTION LT
230+52	231+88	RIDGECREST LN	8	36	INTESECTION LT
235+45		STH 55	7	30	MAINLINE NORTH LIMIT
159+50		CTH KK	7	32	CTH KK WEST LIMIT
163+00		CTH KK	7	32	CTH KK EAST LIMIT
TOTAL			71	322	

PREPARE FOUNDATION FOR ASPHALTIC PAVING

211.0100				
PREPARE FOUNDATION				
FOR ASPHALTIC PAVING				
4670-12-60				
STATION TO STATION	LOCATION	LS	COMMENTS	
91+74	235+45	STH 55	1	MAINLINE AND INTERSECTIONS
TOTAL		1		

FINISHING ROADWAY

213.0100	
FINISHING	
ROADWAY	
EACH	
PROJECT	
4670-12-60	1
TOTAL	1

ROUNDBOUT DRAINAGE

		611.0652	SPV.0090.01	SPV.0090.02	204.0150	628.7015	SPV.0060.01	690.0250	
		INLET COVER	CONCRETE CURB & GUTTER		REMOVING	INLET PROTECTION	ADJUSTING INLET	SAWING	
		TYPE T	30-INCH	30-INCH TYPE D	CURB & GUTTER	TYPE C	COVERS WITH RUBBER	CONCRETE	
			SPECIAL HES	HES			RINGS		
STATION	LOCATION	EACH	LF	LF	LF	EACH	EACH	LF	COMMENTS
CAT 0100									
159+85	CTH KK	--	--	10	10	1	1	5	CTH KK WEST LEG
160+56	CTH KK	1	10	--	10	1	1	5	INSIDE OF CIRCULATORY ROADWAY
161+80	CTH KK	1	10	--	10	1	1	5	INSIDE OF CIRCULATORY ROADWAY
TOTAL		2	20	10	30	3	3	15	

ROADWAY SHOULDERS

				305.0500	305.0110	624.0100		
				SHAPING	BASE AGGREGATE	WATER		
				SHOULDERS	DENSE 3/4-INCH			
STATION - STATION		LOCATION		STA	TON	MGAL	COMMENTS	
CAT 0100								
91+74	192+92	RT	STH 55	102	--	--	NB MAINLINE	SOUTH LIMIT TO RAB
91+74	195+28	LT	STH 55	104	--	--	SB MAINLINE	SOUTH LIMIT TO RAB
202+78	229+00	RT	STH 55	26	--	--	NB MAINLINE	RAB TO NORTH LIMIT
204+28	235+45	LT	STH 55	31	--	--	SB MAINLINE	RAB TO NORTH LIMIT
UNDISTRIBUTED				--	3,050	280	SHOULDER FILLING AND COMPACTION	
TOTAL				263	3,050	280		

PROJECT NO: 4670-12-60

HWY: STH 55

COUNTY: CALUMET

MISCELLANEOUS QUANTITIES

SHEET NO:

E

ASPHALT

			204.0120	455.0605	460.4110.S	460.5224	465.0110	465.0475	
			REMOVING	TACK	REHEATING HMA	HMA PAVEMENT	ASPHALTIC	ASPHALTIC CENTERLINE	
			ASPHALTIC SURFACE	COAT	PAVEMENT	4 LT 58-28 S	SURFACE	RUMBLE STRIPS	
			MILLING		LONGITUDINAL JOINTS		PATCHING	2-LANE RURAL	
STATION -	STATION	LOCATION	SY	GAL	LF	TON	TON	LF	COMMENTS
91+74	196+45	STH 55	35,200	880	10,496	4,048	--	9,670	MAINLINE SOUTH OF CTH KK
196+45	201+07	STH 55	2,850	71	--	328	--	--	ROUNDAABOUT AT CTH KK
201+07	235+45	STH 55	11,810	295	3,454	1,358	--	--	MAINLINE NORTH OF CTH KK
107+50	107+83	MANITOWOC RD	1,390	35	--	160	--	--	INTESECTION RT & LT
132+95	133+23	SCHMIDT RD	1,050	26	--	121	--	--	INTESECTION RT & LT
159+39	159+73	HIGH LINE ROAD	600	15	--	69	--	--	INTESECTION LT
171+13	171+29	FRIENDSHIP DR	650	16	--	75	--	--	INTESECTION LT
230+98	231+34	RIDGECREST LN	1,050	26	--	121	--	--	INTESECTION LT
	UNDISTRIBUTED		--	--	--	--	50	--	AT MAJOR RUTTING LOCATIONS
TOTAL			54,600	1,365	13,950	6,280	50	9,670	

TRAFFIC CONTROL ITEMS

		643.0300	643.0420 *		643.0705 *		643.0800		643.0900		643.0910	643.0920 *	643.1050 *			
		TRAFFIC CONTROL	TRAFFIC CONTROL		TRAFFIC CONTROL		TRAFFIC CONTROL		TRAFFIC CONTROL		TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC CONTROL			
		DRUMS	BARRICADES		WARNING LIGHTS		ARROW		TRAFFIC CONTROL		COVERING	COVERING	SIGNS			
			TYPE III		TYPE A		BOARDS		SIGNS		SIGNS TYPE I	SIGNS TYPE II	PCMS			
DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	EACH	EACH	NO.	DAYS	COMMENTS	
STH 55 SOUTH PROJECT LIMIT	7	--	--	--	--	--	--	--	--	--	--	--	--	7	1	SOUTH PROJECT LIMIT
STH 55 SOUTH PROJECT LIMIT	30	--	--	--	--	--	--	--	5	150	--	--	--	--	--	SOUTH PROJECT LIMIT
MANITOWOC ROAD	30	--	--	--	--	--	--	--	2	60	--	--	--	--	--	SIDE ROAD ADVANCE WARNING
SCHMIDT ROAD	30	--	--	--	--	--	--	--	2	60	--	--	--	--	--	SIDE ROAD ADVANCE WARNING
HIGH LIGH ROAD	30	--	--	--	--	--	--	--	1	30	--	--	--	--	--	SIDE ROAD ADVANCE WARNING
FRIENDSHIP DRIVE	30	--	--	--	--	--	--	--	1	30	--	--	--	--	--	SIDE ROAD ADVANCE WARNING
CTH KK	30	--	--	--	--	--	--	--	2	60	--	--	--	--	--	SIDE ROAD ADVANCE WARNING
STH 55 AND CTH KK ROUNDAABOUT	4	81	325	3	12	6	24	4	16	23	92	4	12	--	--	ROUNDAABOUT MILLING
RIDGECREST LANE	30	--	--	--	--	--	--	--	1	30	--	--	--	--	--	SIDE ROAD ADVANCE WARNING
STH 55 NORTH PROJECT LIMIT	30	--	--	--	--	--	--	--	5	150	--	--	--	--	--	NORTH PROJECT LIMIT
STH 55 NORTH PROJECT LIMIT	7	--	--	--	--	--	--	--	--	--	--	--	--	1	7	NORTH PROJECT LIMIT
UNDISTRIBUTED			100		--	--	--	--	38		--	--		--		
TOTAL			425		12		24		16		700		12		14	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PAVEMENT MARKING

STATION - STATION	646.0106 EPOXY 4-INCH *		646.0126 EPOXY 8-INCH	646.0156 EPOXY 18-INCH	646.0406 SAME DAY EPOXY 4-INCH YELLOW	646.2304.S GROOVED WET REFLECTIVE EPOXY 4-INCH WHITE	646.2308.S GROOVED WET REFLECTIVE EPOXY 8-INCH WHITE	649.0402 TEMPORARY PAVEMENT MARKING PAINT 4-INCH **	649.0403 TEMPORARY PAVEMENT MARKING EPOXY 4-INCH ***	647.0726 DIAGONAL EPOXY 12-INCH	
	WHITE	YELLOW	WHITE	WHITE						WHITE	YELLOW
	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
91+74 - 193+15	--	12,300	--	--	12,300	19,530	200	20,300	20,300	--	--
ROUNDABOUT	2,065	2,660	250	90	--	--	--	--	--	40	125
201+95 - 235+45	--	4,220	--	--	4,220	6,640	--	6,700	6,700	--	--
SUBTOTAL	2065	19180								40	125
TOTAL	21,245		250	90	16,520	26,170	200	27,000	27,000	165	

* NOTE: PAVEMENT MARKING EPOXY 4-INCH FOR FINAL APPLICATION AFTER CENTER LINE RUMBLE STRIPS PLACED
** NOTE: TEMPORARY PAVEMENT MARKING PAINT 4-INCH APPLIED TO MILLED SURFACE
*** NOTE: TEMPORARY PAVEMENT MARKING EPOXY 4-INCH APPLIED TO FINAL SURFACE BEFORE CENTER LINE RUMBLE STRIPS PLACED

TEMPORARY PORTABLE RUMBLE STRIPS

643.0310.S TEMPORARY PORTABLE RUMBLE STRIPS		
LOCATION	LS	COMMENTS
STH 55	1	
TOTAL	1	

LOCATING NO-PASSING ZONES

648.0100 LOCATING NO-PASSING ZONES				
STATION - STATION	LOCATION	MI	COMMENTS	
91+74 235+45	STH 55	2.6	MAINLINE	
TOTAL		2.6		

STAKING

650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE				
STATION - STATION	LOCATION	LF	COMMENTS	
91+74 235+45	STH 55	14,400	MAINLINE	
TOTAL		14,400		

ERECTION & REMOVAL OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F 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	STH 55, S. OF MANITOWOC RD	W2-6	30" X 30"	---	6.25	---	1	1	1	
2	"	W2-6P	---	---	---	---	---	---	---	PART OF SIGN 1 REMOVAL
3	"	W13-1	18" X 18"	---	2.25	---	---	---	---	15 MPH, MOUNT BELOW SIGN 1, PART OF SIGN 1 REMOVAL
4	"	J1-1	24" X 39"	6.50	---	---	1	1	1	JCT USH 10
5	"	W14-3	48" X 36"	---	6.00	---	1	1	1	
6	"	W14-3	48" X 36"	---	6.00	---	1	1	1	
7	MANITOWOC RD	R1-1	30" X 30"	5.18	---	1	---	1	1	
8	"	R1-1	---	---	---	---	---	1	1	
9	"	R1-1	30" X 30"	5.18	---	1	---	1	1	
10	STH 55, S. OF SCHMIDT RD	W14-3	48" X 36"	---	6.00	---	1	1	1	
11	SCHMIDT RD	R1-1	30" X 30"	5.18	---	1	---	1	1	
12	"	R1-1	30" X 30"	5.18	---	1	---	1	1	
13	STH 55, S. OF HIGH LINE RD	W14-3	48" X 36"	---	6.00	---	1	1	1	
14	"	W1-2R	30" X 30"	---	6.25	---	1	1	1	
15	"	W2-6P	---	---	---	---	---	---	---	15 MPH, MOUNT BELOW SIGN 14, PART OF SIGN 14 REMOVAL
16	HIGH LINE RD	R1-1	30" X 30"	5.18	---	1	---	1	1	
17	STH 55, S. OF FRIENDSHIP DR	W1-7	48" X 24"	---	8.00	1	---	1	1	
18	"	W1-6	48" X 24"	---	8.00	1	---	1	1	
19	FRIENDSHIP DR	R1-1	30" X 30"	5.18	---	1	---	1	1	
19A		W1-6	48" X 24"	---	8.00	1	---	---	---	
20	STH 55, S. OF CTH KK	S3-1	---	---	---	---	---	1	1	
21	"	W1-6	48" X 24"	---	8.00	1	---	1	1	
22A	"	W3-5	---	---	---	---	---	1	1	
22	"	W3-5	36" X 36"	---	9.00	1	---	---	---	45 MPH
23	"	I55-56	30" X 36"	7.50	---	1	---	1	1	WAL-MART 2958 GREEN TEAM, SEE PLAN SHEET
24	"	W1-2L	30" X 30"	---	6.25	---	1	1	1	
25	"	W2-6P	---	---	---	---	---	---	---	15 MPH, MOUNT BELOW SIGN 24, PART OF SIGN 24 REMOVAL
26	"	J1-1	24" X 39"	6.50	---	---	1	---	---	JCT CTH KK
27	"	R2-1	24" X 30"	5.00	---	1	---	1	1	55 MPH
28	"	R2-1	24" X 30"	5.00	---	1	---	1	1	45 MPH
29	"	W2-6	30" X 30"	---	6.25	---	1	1	1	
30	"	W2-6P	---	---	---	---	---	---	---	PART OF SIGN 29 REMOVAL
31	"	W13-1	18" X 18"	---	2.25	---	---	---	---	15 MPH, MOUNT BELOW SIGN 29, PART OF SIGN 29 REMOVAL
32	"	D1-62	102" X 72"	51.00	---	---	3	1	3	SEE DETAIL SHEET
33	"	W3-2	36" X 36"	---	9.00	---	1	1	1	
34	"	R4-7	24" X 30"	5.00	---	1	---	1	1	
35	"	J4-1	24" X 36"	6.00	---	1	---	1	1	SOUTH STH 55
36	"	I2-2	66" X 15"	6.88	---	2	---	1	2	CALUMET CO
37	"	R1-2	36" X 31"	3.88	---	---	1	1	1	
38	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	MOUNT BELOW SIGN 37, INCLUDED IN SIGN 37 REMOVAL
39	"	R1-2	36" X 31"	3.88	---	---	---	1	---	MOUNT TO LIGHT POLE
40	"	R1-54	24" X 15"	2.50	---	---	---	---	---	MOUNT BELOW SIGN 39
PAGE SUBTOTAL				145.71	103.50	18	15	31	33	

ERECTION & REMOVAL OF TYPE II SIGNS AND SUPPORTS

SIGN NO.	LOCATION	SIGN CODE	W X H	637.2210 SIGNS TYPE II REFLECTIVE H S.F.	637.2230 SIGNS TYPE II REFLECTIVE F 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
41	STH 55, S. OF CTH KK	D1-1	42" X 30"	8.75	---	1	---	1	1	REMOVAL J-ASSEMBLY
42	STH 55/CTH KK CENTER ISLAND	R6-1R	36" X 12"	3.00	---	---	2	1	1	
43	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	MOUNT BELOW SIGN 42, PART OF SIGN 42 REMOVAL
44	"	R6-1R	36" X 12"	3.00	---	---	2	1	1	
45	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	MOUNT BELOW SIGN 44, PART OF SIGN 44 REMOVAL
46	STH 55, N. OF CTH KK	D1-1	42" X 30"	8.75	---	1	---	1	1	REMOVAL J-ASSEMBLY
47	"	R1-2	36" X 31"	3.88	---	---	---	1	---	MOUNT TO LIGHT POLE
48	"	R1-54	24" X 15"	2.50	---	---	---	---	---	MOUNT BELOW SIGN 47
49	"	R1-2	36" X 31"	3.88	---	---	1	1	1	
50	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	MOUNT BELOW SIGN 49, INCLUDED IN SIGN 49 REMOVAL
51	"	R4-7	24" X 30"	5.00	---	1	---	1	1	
52	"	I2-2	78" X 15"	8.13	---	2	---	1	2	OUTAGAMIE CO
53	"	J4-1	24" X 36"	6.00	---	1	---	1	1	NORTH STH 55
54	"	R2-1	24" X 30"	5.00	---	1	---	1	1	45 MPH
55	"	W3-2	36" X 36"	---	9.00	---	1	1	1	
56	"	D1-62	102" X 72"	51.00	---	---	3	1	3	SEE DETAIL SHEET
57	"	I55-56	30" X 36"	7.50	---	1	---	1	1	IMMANUAL UNITED CHURCH OF CHRIST, SEE PLAN SHEET
58	STH 55/CTH KK CENTER ISLAND	R6-1R	36" X 12"	3.00	---	---	2	1	1	
59	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	MOUNT BELOW SIGN 58, PART OF SIGN 58 REMOVAL
60	"	R6-1R	36" X 12"	3.00	---	---	2	1	1	
61	"	R6-4B	60" X 24"	10.00	---	---	---	---	---	MOUNT BELOW SIGN 60, PART OF SIGN 60 REMOVAL
62	CTH KK, W. OF STH 55	R1-2	36" X 31"	3.88	---	---	---	1	---	MOUNT TO LIGHT POLE
63	"	R1-54	24" X 15"	2.50	---	---	---	---	---	MOUNT BELOW SIGN 62
64	"	R1-2	36" X 31"	3.88	---	---	1	1	1	
65	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	MOUNT BELOW SIGN 64, INCLUDED IN SIGN 64 REMOVAL
66	"	D1-1	36" X 18"	4.50	---	1	---	1	1	REMOVAL J-ASSEMBLY
67	CTH KK, E. OF STH 55	D1-1	36" X 18"	4.50	---	1	---	1	1	REMOVAL J-ASSEMBLY
68	"	R1-2	36" X 31"	3.88	---	---	---	1	---	MOUNT TO LIGHT POLE
69	"	R1-54	24" X 15"	2.50	---	---	---	---	---	MOUNT BELOW SIGN 68
70	"	R1-2	36" X 31"	3.88	---	---	1	1	1	
71	"	R6-2R	24" X 30"	5.00	---	---	---	---	---	MOUNT BELOW SIGN 70, INCLUDED IN SIGN 70 REMOVAL
72	STH 55, N. OF CTH KK	W2-6	30" X 30"	---	6.25	---	1	1	1	
73	"	W2-6P	---	---	---	---	---	---	---	PART OF SIGN 72 REMOVAL
74	"	W13-1	18" X 18"	---	2.25	---	---	---	---	15 MPH, MOUNT BELOW SIGN 72, PART OF SIGN 72 REMOVAL
75	"	J1-1	24" X 39"	6.50	---	---	1	---	---	JCT CTH KK
76	"	R2-1	24" X 30"	5.00	---	---	1	1	1	45 MPH
77	"	W14-3	48" X 36"	---	6.00	---	---	---	---	MOUNT TO BACK OF SIGN 77, PART OF SIGN 77 REMOVAL
78	"	W14-3	48" X 36"	---	6.00	---	1	1	1	
79	"	D2-3	90" X 36"	22.50	---	---	2	1	2	SEE DETAIL SHEET
80	"	I2-3	66" X 24"	11.00	---	---	2	1	2	SEE DETAIL SHEET
81	"	R2-1	24" X 30"	5.00	---	---	1	1	1	45 MPH
82	STH 55, N. OF RIDGECREST LN	R2-1	24" X 30"	5.00	---	---	1	1	1	45 MPH
83	RIDGECREST LN	R1-1	30" X 30"	5.18	---	1	---	1	1	

PAGE SUBTOTAL	267.06	29.50	11	25	29	31
PROJECT TOTAL	412.76	133.00	29	40	60	64

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 5 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO. OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
1	500' S OF J1-1 (JCT 10) ON HWY 55 (NB)	WO 20-2A	48"x48"	1	5	5						
2	LT OF J1-1 (JCT 10) ON HWY 55 (NB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 5-1L	21"x21"	1	5	5						
2A	PLACE 300' SOUTH OF SIGN #2, FIELD DETERMINED	PCMS		1					5			PLACE DURING CLOSURE ONLY
2B	LT OF D1-3 (AH-KAUKAUNA; LT-APPLETON; MANITOWOC-RT) ON HWY 55 (NB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						LEFT
3	PLACE 300' E. OF SIGN #3A, FIELD DETERMINED	PCMS		1					5			PLACE DURING CLOSURE ONLY
3A	PLACE LEFT OF EXISTING D1-62 ON HWY 10 (WB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						
	"	MO 6-1	21"x21"	1	5	5						
3B	COVER EXISTING D1-62 AS SHOWN ON HWY 10 (WB)			1						1	1	COVER "NORTH 55"
3C	COVER EXISTING D1-3 AS SHOWN ON HWY 10 (WB)			1						1	1	COVER "KAUKAUNA"
4A	D1-1 (NORTH-55-TILT RIGHT) N SPLITTER ISLAND ON HWY 55 (NB)			1						1	1	NORTH 55-TILT RIGHT
4B	NE QUAD OF HWY 55 & HWY 10 INTERSECTION	R-11-3	60"x30"	1	5	5	5	10				2 MILES
4C	"	MO 4-9L	30"x24"	1	5	5						
5	J4-1 (NORTH 55) ON HWY 55 (NB) @ HWY 10			1						1	1	NORTH 55
6	ON D1-1 (W-10-TILT RT) ON WEST SPLITTER ISLAND ON HWY 10 (WB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-2	21"x21"	1	5	5						RIGHT
6A	COVER EXISTING D1-3 AS SHOWN ON HWY 10 (EB)			1						1	1	COVER "KAUKAUNA"
6B	COVER EXISTING D1-62 AS SHOWN ON HWY 10 (EB)			1						1	1	COVER "NORTH 55"
7	LT OF J4-1 (WEST 10) @ HWY 55 INTERSECTION	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						AHEAD
8	MODIFY J1-1 (JCT 55) ON HWY 10 (EB)	M 4-8A	24"x18"	1	5	5						
	"	EXISTING										
9	LT OF J1-1 (JCT N) ON HWY 10 (WB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 5-1R	21"x21"	1	5	5						
10	300' W OF YIELD AHEAD SIGN ON HWY 10 (WB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						RIGHT
PAGE SUBTOTALS				40		160	5	10	10		6	

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 5 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO. OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
11	ABOVE D1-1 NORTH-N-TILT RT) ON NORTH SPLITTER ISLAND @ CTY N	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-2	21"x21"	1	5	5						RIGHT
12	100' E OF J1-1 (JCT N) ON HWY 10 (EB)	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	WO 20-2A	48"x48"	1	5	5						
13	LT OF D1-62 (ROUND-A-BOUT DIAGRAMATIC) ON HWY 10 (EB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 5-1L	21"x21"	1	5	5						
14	250' E OF YIELD AHEAD SIGN ON HWY 10 (EB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						LEFT
15	250' S OF J4-1 (NORTH N) ON CTY N (NB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						AHEAD
16A	ABOVE D1-1 (EAST-10-TILT RT) ON E SPLITTER ISLAND ON HWY 10 (EB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-2	21"x21"	1	5	5						RIGHT
16B	250' E OF SIGN 16A ON HWY 10 (EB) RIGHT SIDE	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						AHEAD
17	YIELD AHEAD SIGN ON CTY N (SB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						LEFT
18	LT OF J1-1 (JCT 10) ON CTY N (SB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 5-1L	21"x21"	1	5	5						
19	200' S OF CTY KK INTERSECTION ON CTY N (SB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						AHEAD
20	200' N OF CTY KK INTERSECTION ON CTY N (NB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						AHEAD

PAGE SUBTOTALS

43

215

0

0

0

0

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 5 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO. OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
21	750' S OF J13-1 (EAST-CE-RT) ON CTY N (NB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 5-1R	21"x21"	1	5	5						
22	RT OF J13-1 (EAST-CE-RT) ON CTY N (NB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						RIGHT
23	250' E OF CTY N INTERSECTION ON ON-RAMP TO CTY CE (EB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						AHEAD
24	250' E OF CTY K INTERSECTION ON CTY CE (EB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						AHEAD
25	250' E OF CTY HH INTERSECTION ON CTY CE (EB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-1	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						AHEAD
26	MODIFY J1-1 (JCT 55) ON CTY CE (EB)	MO 4-8A	24"x18"	1	5	5						
	"		EXISTING									
27	J3-2 (NORTH-55-LEFT; SOUTH-55-RT) ON CTY CE (EB)			1						1	1	SOUTH 55 RIGHT
28A	NW QUAD OF CTY CE & HWY 55 INTERSECTION	R 11-3	60"x30"	1	5	5	5	10				1 MILE
28B	"	MO 4-9R	30"x24"	1	5	5						
29	D1-1 (SOUTH-55-TILT RIGHT) S SPLITTER ISLAND ON HWY 55 (SB)			1						1	1	SOUTH 55 TILT RIGHT
30	J4-1 (SOUTH 55) ON HWY 55 (SB) @ CTY CE			1						1	1	SOUTH 55
30A	MODIFY J3-2 ON CTY CE (WB) AS SHOWN	MO 4-8	24"x12"	1	5	5						
	"	MO 6-1	21"x21"	1	5	5						AHEAD
30B	PLACE 300' E. OF SIGN #30A ON CTY CE (WB), FIELD DETERMINED	PCMS		1					5			PLACE DURING CLOSURE ONLY
31	ABOVE D1-1 (APPLETON-RIGHT) ON HWY 55 (SB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						RIGHT
32	250' N OF SIGN # 31 ON HWY 55 (SB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 5-1R	21"x21"	1	5	5						
32A	PLACE 200' N. OF SIGN #32 ON HWY 55 (SB), FIELD DETERMINED	PCMS		1					5			PLACE DURING CLOSURE ONLY
33	ACROSS FROM SIGN # 32 (MEDIAN SIDE)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 5-1R	21"x21"	1	5	5						

PAGE SUBTOTALS

42

185

5

10

10

3

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

TRAFFIC CONTROL DETOUR SIGN SUMMARY

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	NUMBER IN SERVICE	APPROX. SERVICE PERIOD 5 DAYS	643.3000 DETOUR SIGNS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.1050 SIGNS PORTABLE CHANGEABLE MESSAGE DAYS	NO. OF CYCLES	643.0920 COVERING SIGNS TYPE II EACH	REMARKS
34	200' N. OF ANN ST INTERSECTION ON HWY 55 (SB)	WO 20-2B	48"x48"	1	5	5						
35	750' N OF SIGN # 34 ON HWY 55 (SB)	WO 20-2A	48"x48"	1	5	5						
36	ABOVE D1-1 (CE-TILT RT) ON WEST SPLITTER ISLAND ON CTY CE (WB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-2	21"x21"	1	5	5						RIGHT
36A	COVER EXISTING J3-2 SIGN AS SHOWN ON CTY CE (EB)			1						1	1	COVER "SOUTH 55 RT"
37	RT OF J4-1 (W-CE) ON CTY CE (WB) @ HWY 55	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						AHEAD
38	250' W OF CTY HH INTERSECTION ON CTY CE (WB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						AHEAD
39	250' W OF CTY K INTERSECTION ON CTY CE (WB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						AHEAD
40	LT OF J12-2 (CE-AH; N-AH RT) ON CTY CE (WB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 5-2R	21"x21"	1	5	5						
41	RT OF J13-1 (N-DOWN RT) @ GORE TO OFF-RAMP TO CTY N	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-2	21"x21"	1	5	5						AHEAD
42	ACROSS FROM J2-2 (S-N-AH LT; N-N-AH RT) ON OFF-RAMP TO CTY N (LEFT SIDE)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 5-1L	21"x21"	1	5	5						
43	ACROSS FROM J2-2 (S-N-LT; N-N-RT) ON OFF-RAMP TO CTY N (LEFT SIDE)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						LEFT
44	250' S OF NORTH RAMP TERMINALS FOR CTY CE ON CTH N (SB)	MO 4-8	24"x12"	1	5	5						
	"	M 3-3	24"x12"	1	5	5						
	"	M 1-6	24"x24"	1	5	5						55
	"	MO 6-1	21"x21"	1	5	5						AHEAD
45	FIELD DETERMINED - ON HWY 55 (SB)	PCMS		1					7			PRIOR TO CONSTRUCTION
46	FIELD DETERMINED - ON HWY 55 (NB)	PCMS		1					7			PRIOR TO CONSTRUCTION
47	FIELD DETERMINED - ON CTY KK (EB)	PCMS		1					7			PRIOR TO CONSTRUCTION
48	FIELD DETERMINED - ON CTY KK (WB)	PCMS		1					7			PRIOR TO CONSTRUCTION

PLAN SHEET PRODUCED
BY WisDOT - NE REGION

PAGE SUBTOTALS
PROJECT TOTALS

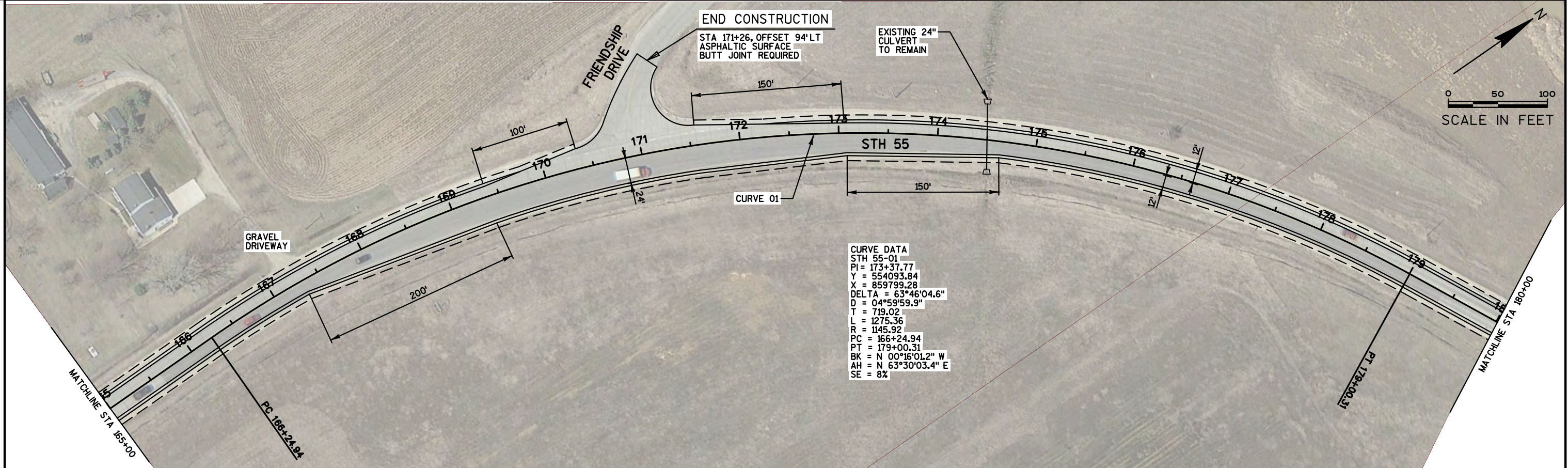
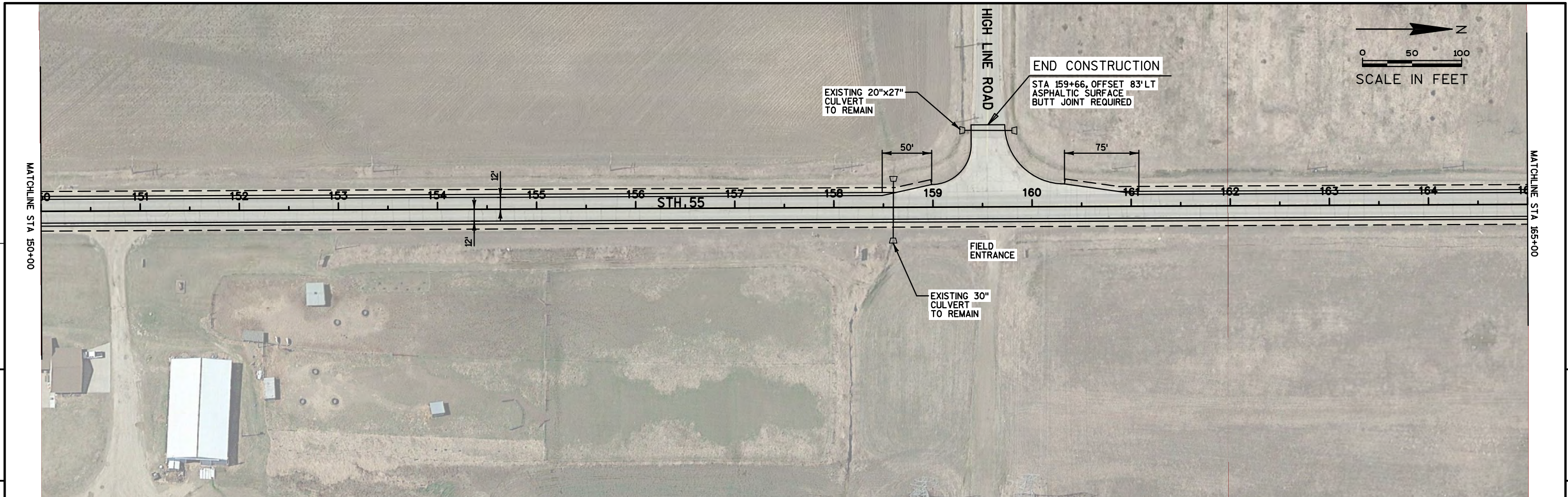
43	190	0	0	28	1
168	750	10	20	48	10

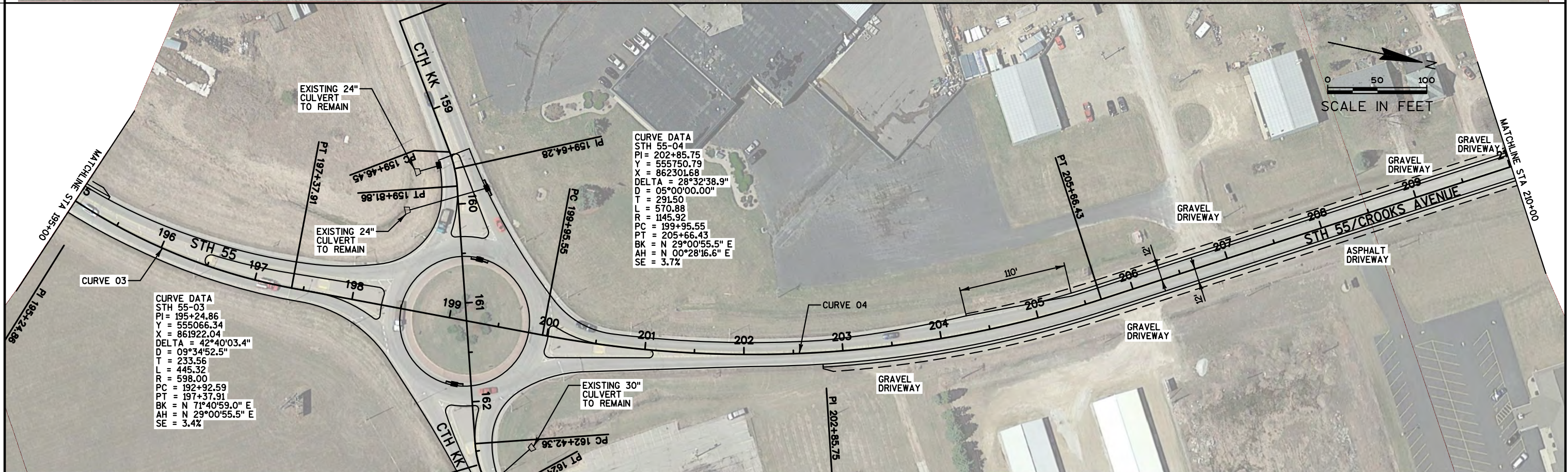
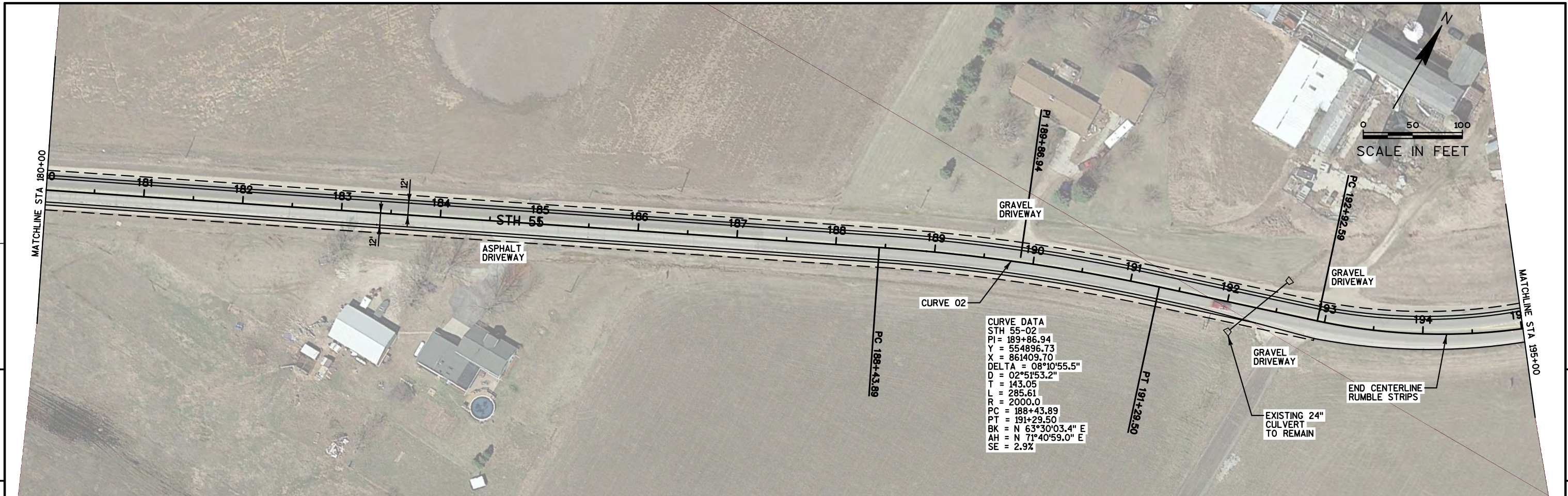


PROJECT NO: 4670-12-60	HWY: STH 55	COUNTY: CALUMET	PLAN: STH 55	SHEET	E
------------------------	-------------	-----------------	--------------	-------	---

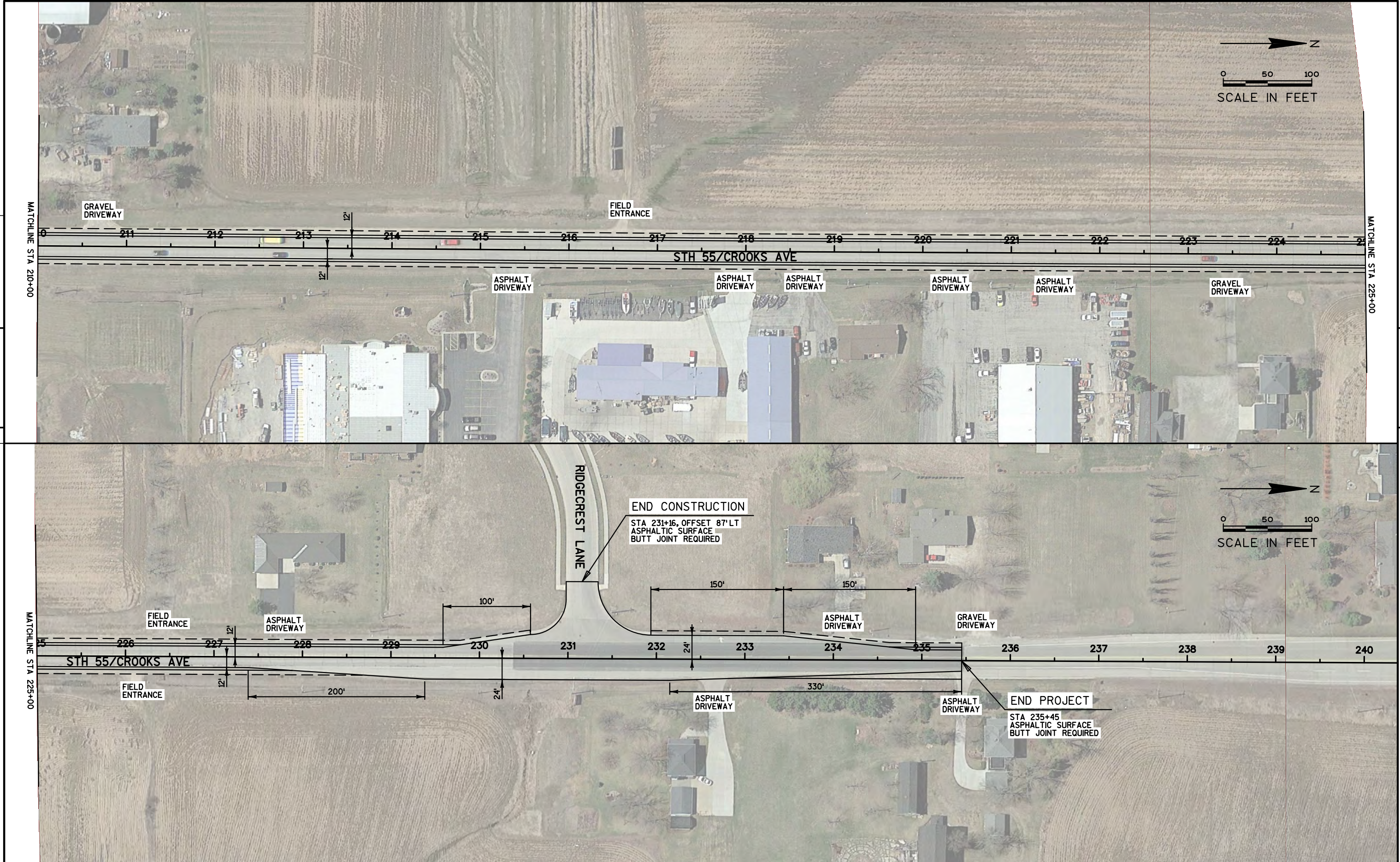


PROJECT NO: 4670-12-60	HWY: STH 55	COUNTY: CALUMET	PLAN: STH 55	SHEET	E
------------------------	-------------	-----------------	--------------	-------	---

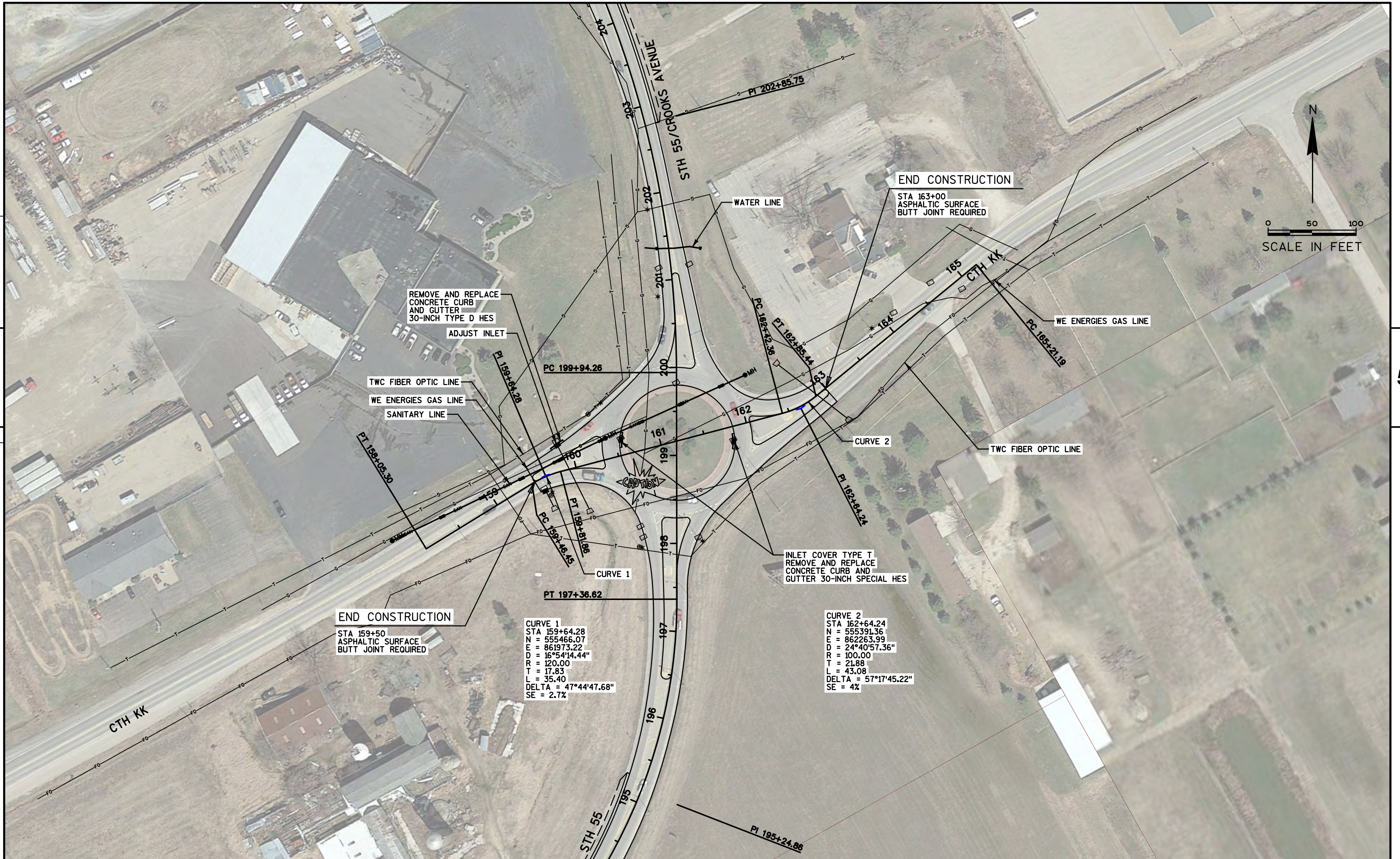




PROJECT NO: 4670-12-60	HWY: STH 55	COUNTY: CALUMET	PLAN: STH 55	SHEET	E
------------------------	-------------	-----------------	--------------	-------	---

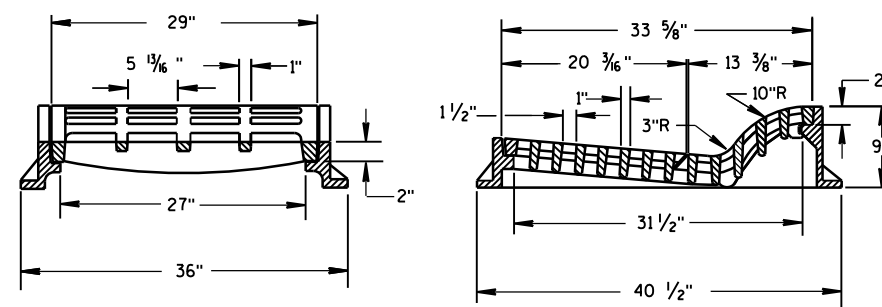
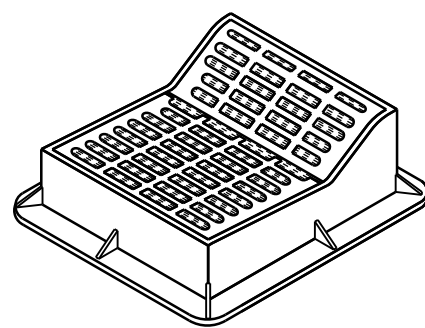


PROJECT NO: 4670-12-60	HWY: STH 55	COUNTY: CALUMET	PLAN: STH 55	SHEET	E
------------------------	-------------	-----------------	--------------	-------	---



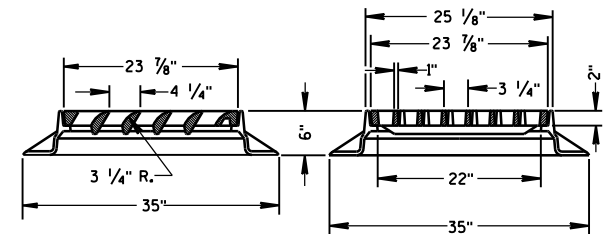
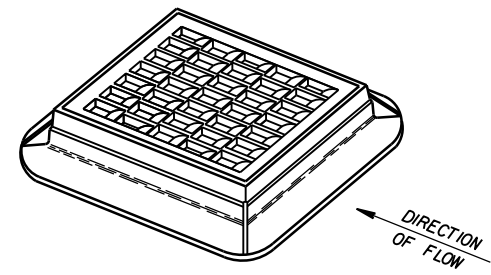
Standard Detail Drawing List

08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08E10-02	INLET PROTECTION TYPE A, B, C AND D
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
14B29-01	SAFETY EDGE
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M. P. H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-17A	LONGITUDINAL MARKING (MAINLINE)
15C12-05	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-03	MEDIAN ISLAND MARKING
15C19-04A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C35-01A	PAVEMENT MARKING (INTERSECTIONS)
15D37-02	TRAFFIC CONTROL, 2-LANE ROUNDABOUT

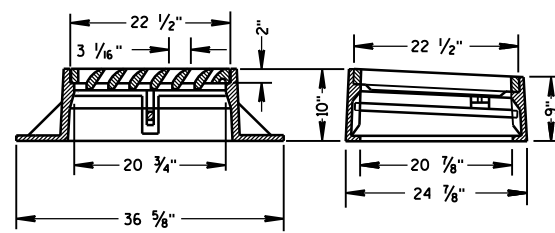
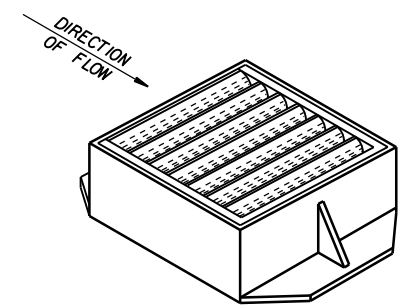


TYPE "F"

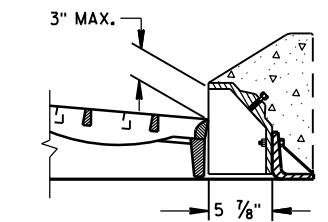
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



TYPE "S"



TYPE "V"



ALTERNATIVE CURB BOX
FOR TYPE "HM" COVER

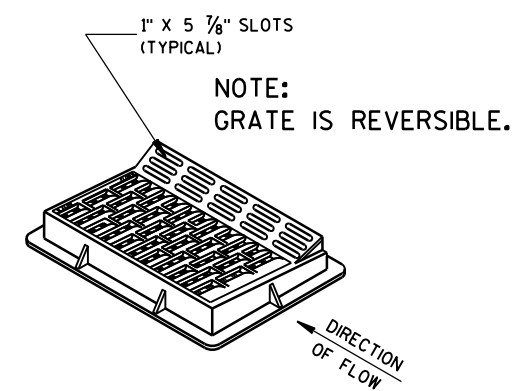
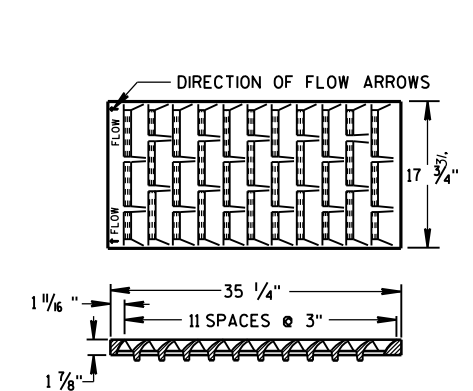
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

GENERAL NOTES

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

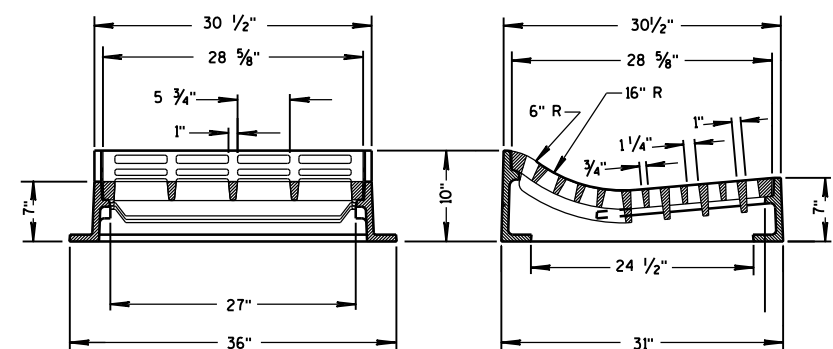
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



TYPE "HM"

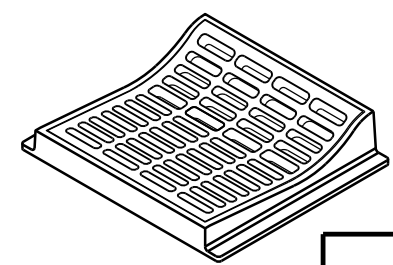
USE WITH TYPES A & D CONCRETE
CURB & GUTTER, 36 INCH.

NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



TYPE "T"

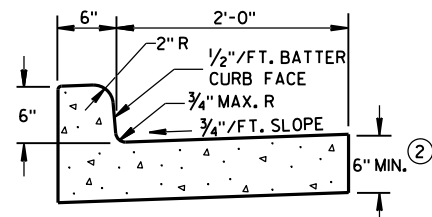
USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



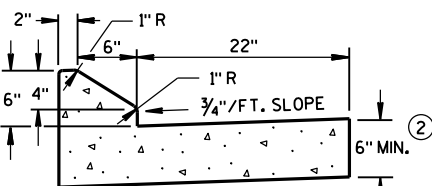
INLET COVERS
TYPE F, HM, HM-S, S, T, V,
HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

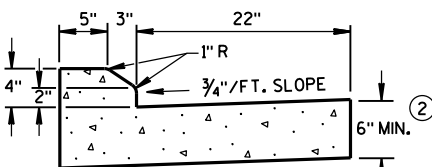
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER
FHWA



TYPES A & D ①

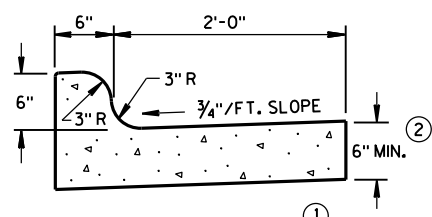


6" SLOPED CURB TYPES G & J ①



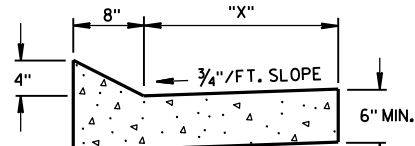
4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"



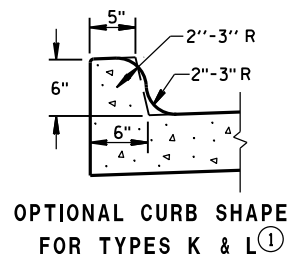
TYPES K & L ①

CONCRETE CURB & GUTTER 30"

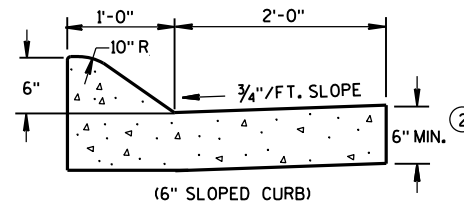


TYPES TBT & TBTT ①
CONCRETE CURB & GUTTER

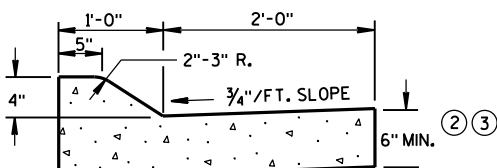
TBT & TBTT	"X"
30"	22"
36"	28"



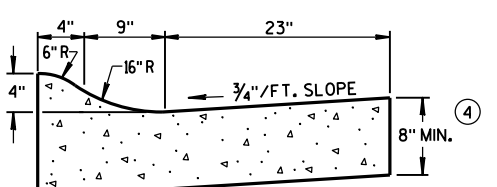
OPTIONAL CURB SHAPE
FOR TYPES K & L ①



(6" SLOPED CURB)



(4" SLOPED CURB)
TYPES A & D ①



4" SLOPED CURB TYPES R & T ① ⑤
CONCRETE CURB & GUTTER 36"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

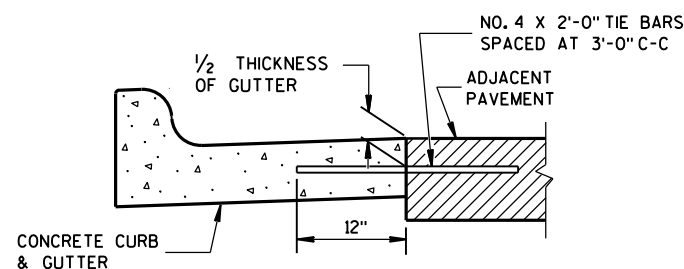
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

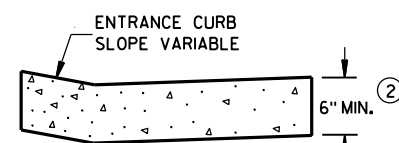
WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

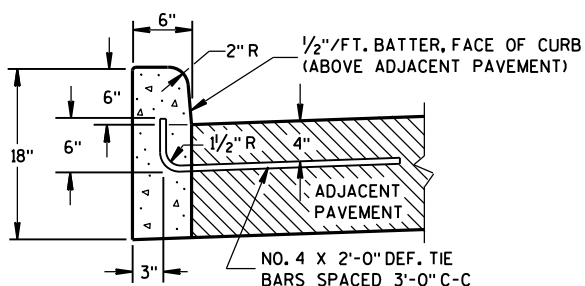
- TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.
- THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.
- THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
- WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.



TYPICAL TIE BAR LOCATION ①

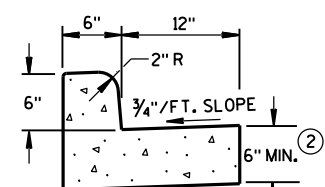


DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

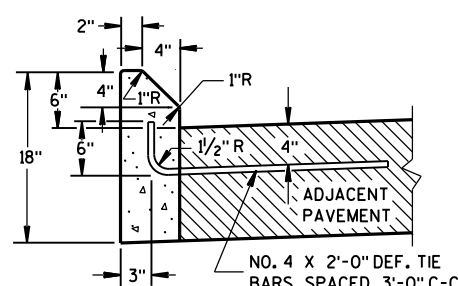


TYPES A & D ①

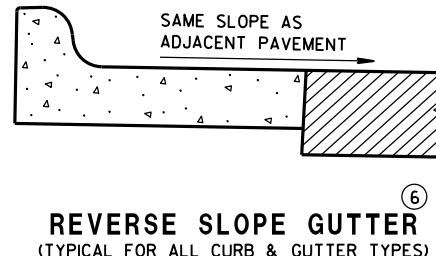
CONCRETE CURB



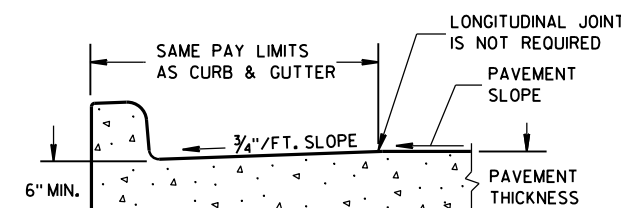
TYPES A & D
CONCRETE CURB & GUTTER 18"



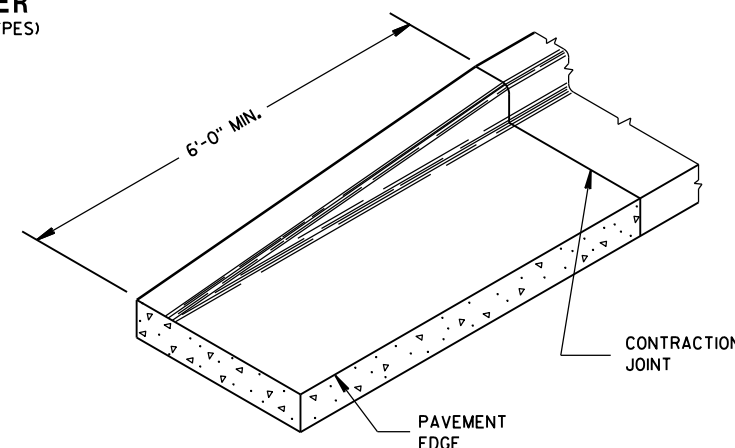
TYPES G & J ①



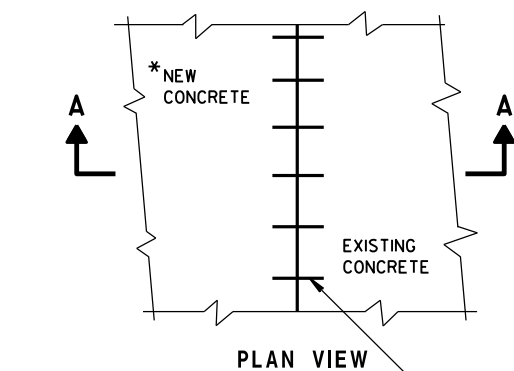
REVERSE SLOPE GUTTER
(TYPICAL FOR ALL CURB & GUTTER TYPES)



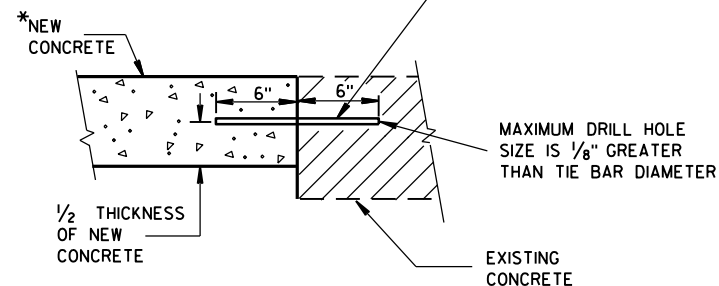
PARTIAL SECTION OF PAVEMENT
WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER



PLAN VIEW



SECTION A-A
TIE BARS DRILLED
INTO EXISTING PAVEMENT

* NEW CURB & GUTTER,
SURFACE DRAINS,
CONCRETE PAVEMENT
OR OTHER NEW CONCRETE.

NO. 6 TIE BARS SPACED 2'-6" C-C,
INSTALLED PERPENDICULAR
TO THE LONGITUDINAL JOINT.

MAXIMUM DRILL HOLE
SIZE IS 1/8" GREATER
THAN TIE BAR DIAMETER

EXISTING CONCRETE

CONCRETE CURB, CONCRETE
CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2016
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER

GENERAL NOTES

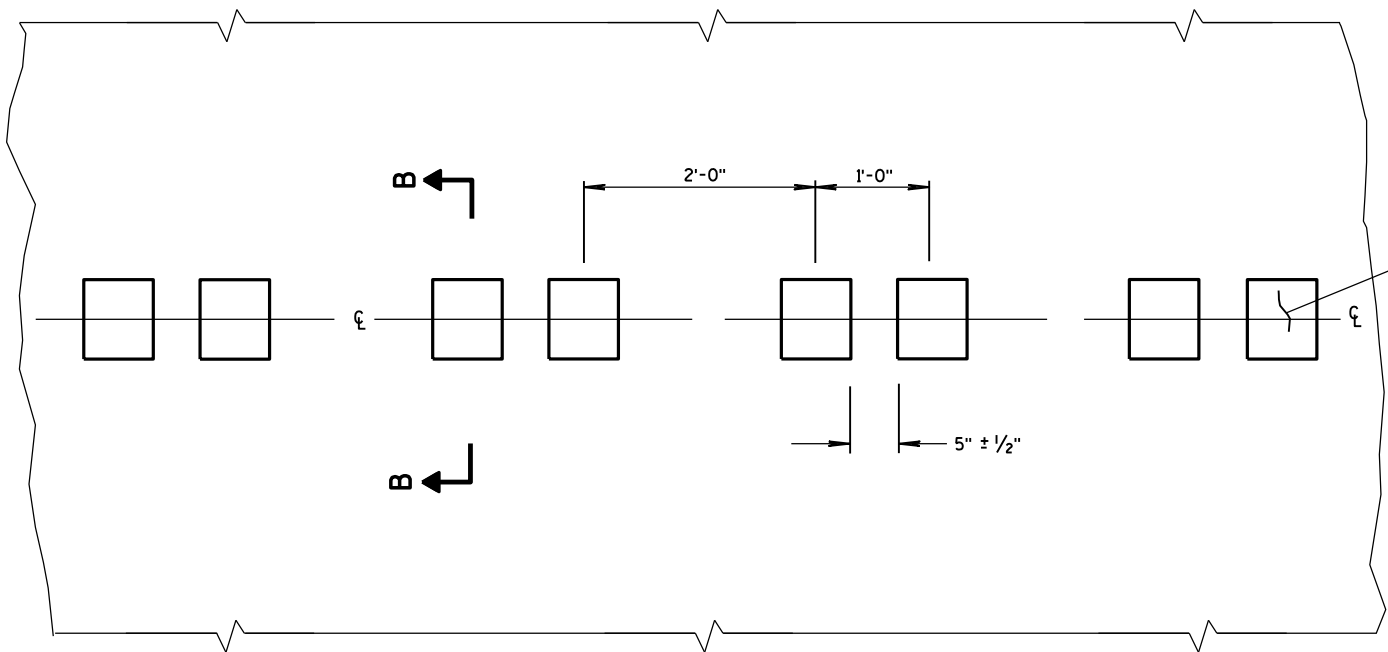
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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

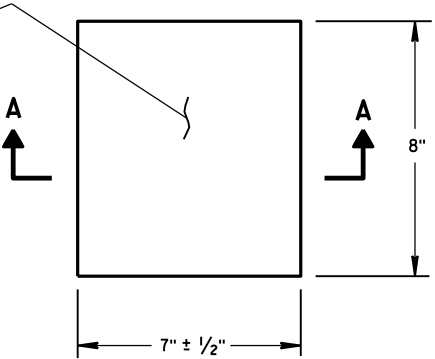
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

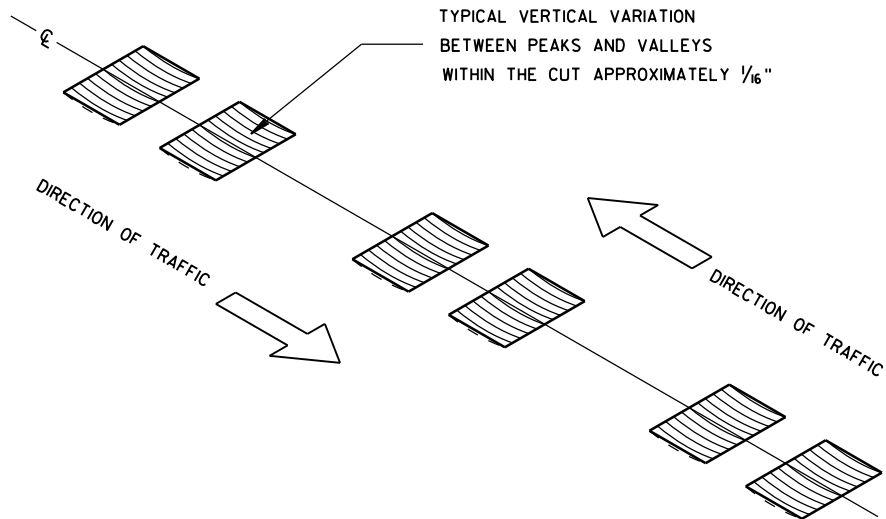
- ① CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



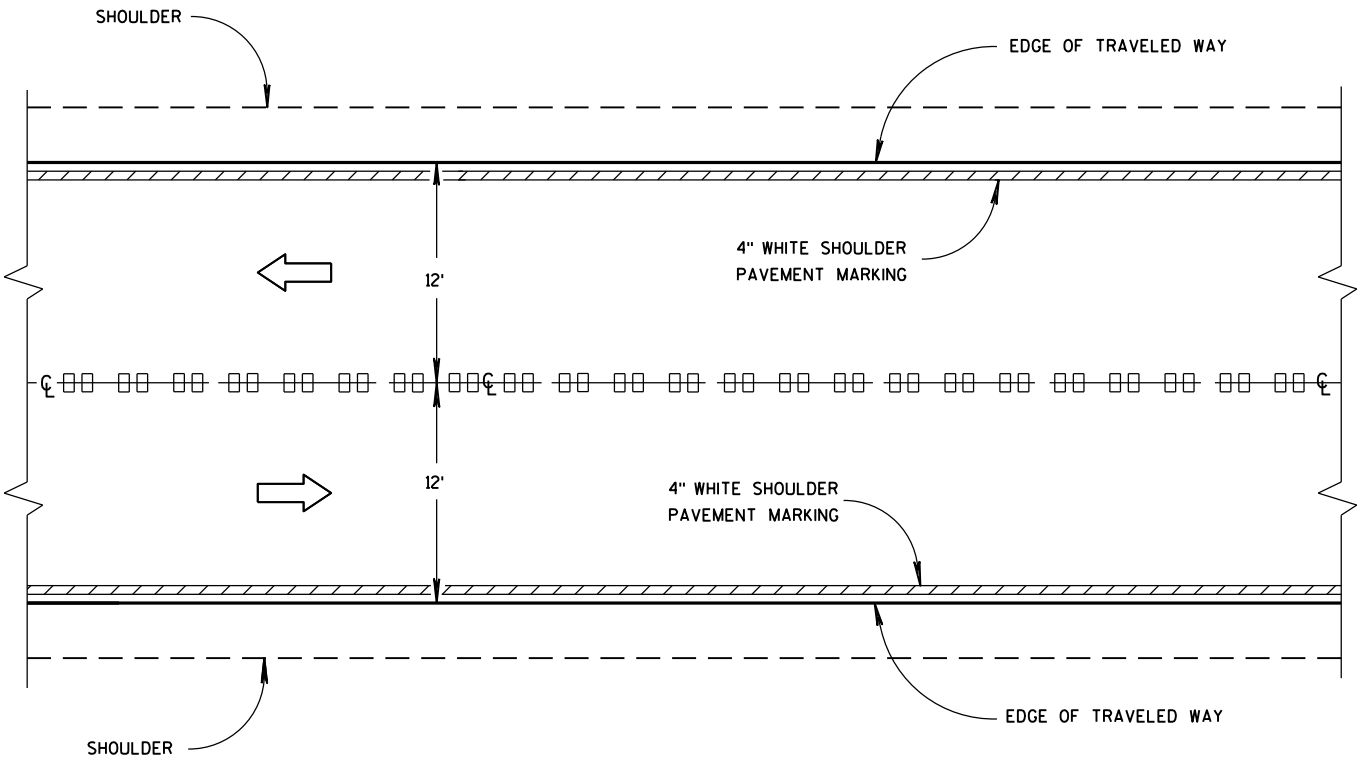
PLAN VIEW
CENTER LINE WITH GROOVES



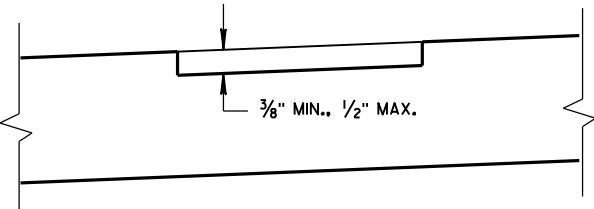
PLAN VIEW
(SINGLE GROOVE)



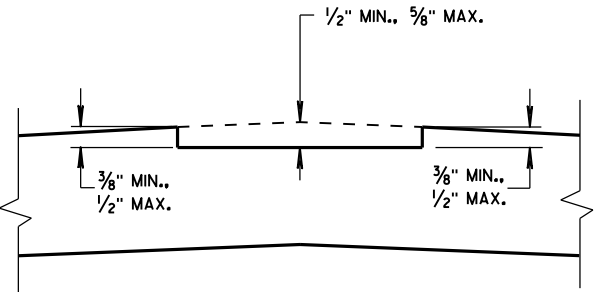
ISOMETRIC



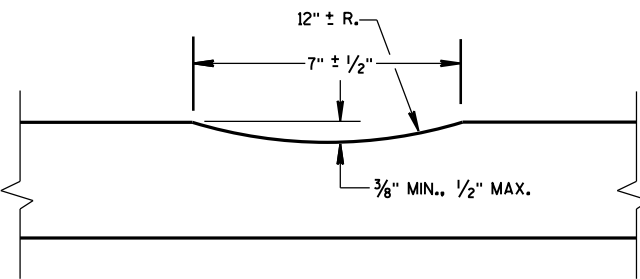
CENTER LINE GROOVES ON TWO-WAY ROADWAYS



SECTION B-B
SUPERELEVATED ROADWAY



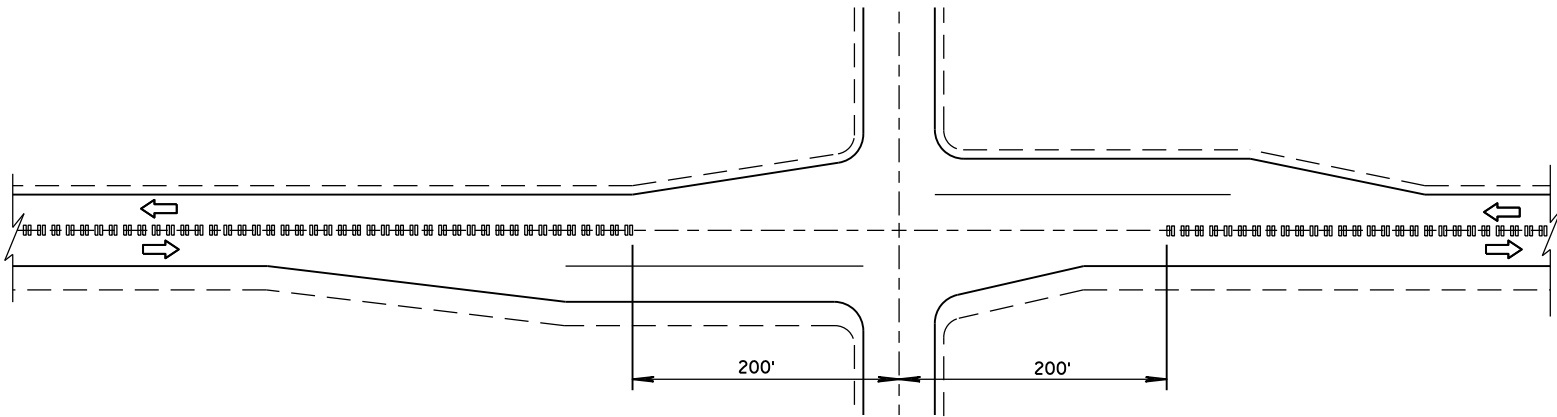
SECTION B-B
CROWNED ROADWAY



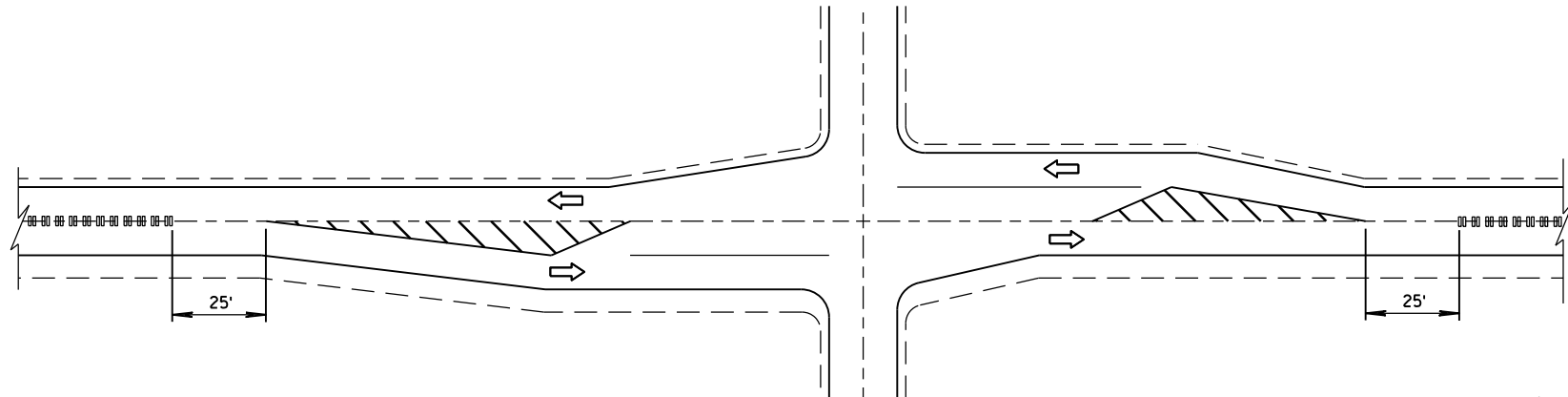
SECTION A-A

2-LANE RURAL
CENTER LINE RUMBLE STRIP,
MILLING

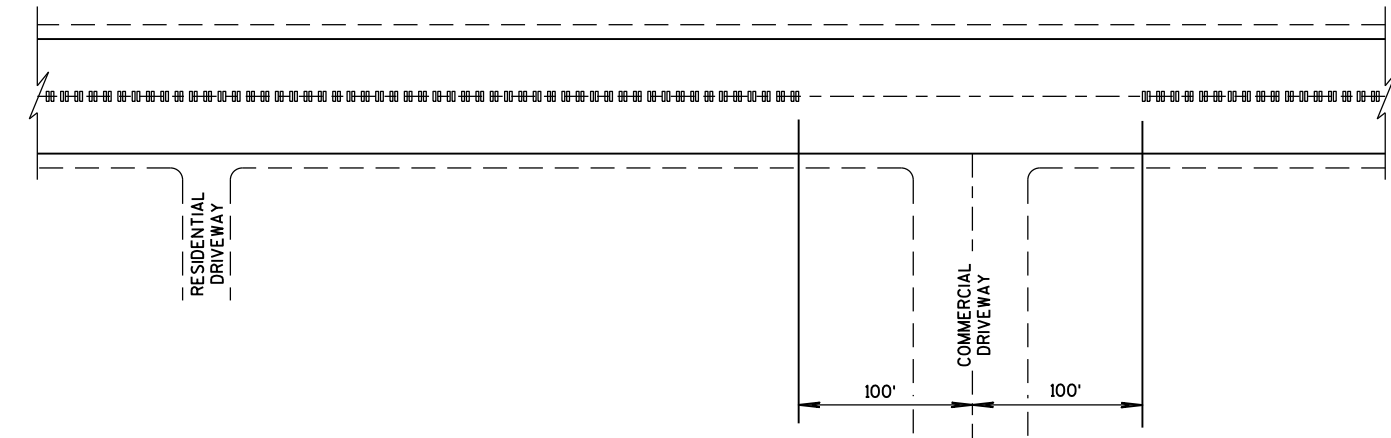
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CENTER LINE GROOVES AT INTERSECTIONS

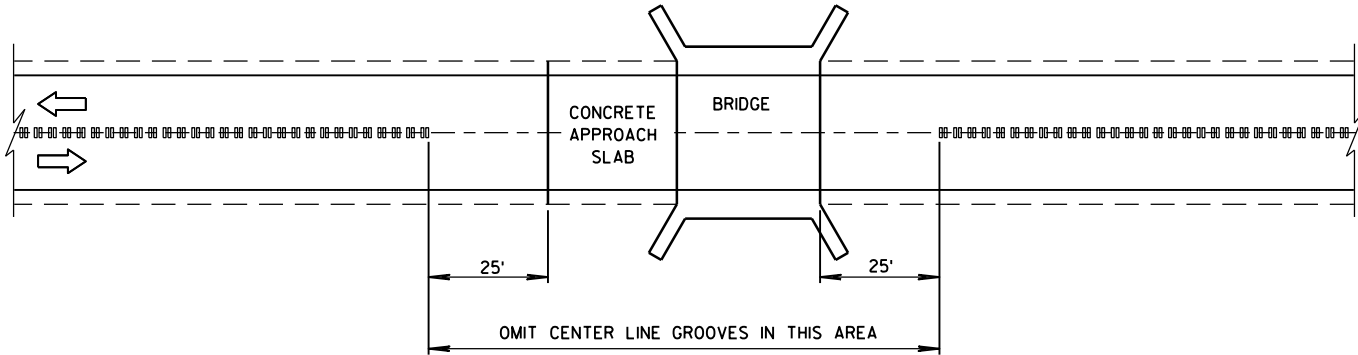


CENTER LINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)

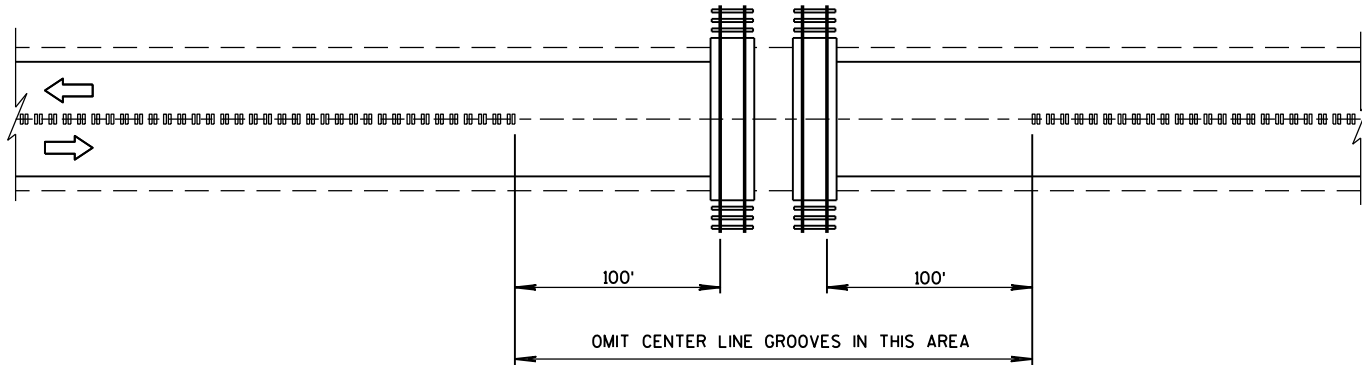


CENTER LINE GROOVES AT DRIVEWAYS¹

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

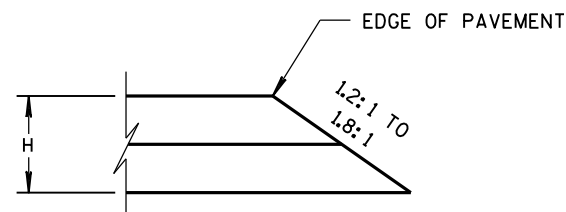


CENTER LINE GROOVES AT BRIDGES

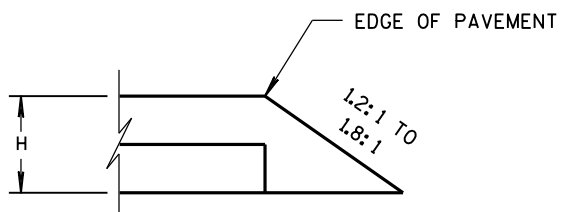


CENTER LINE GROOVES AT RAILROADS

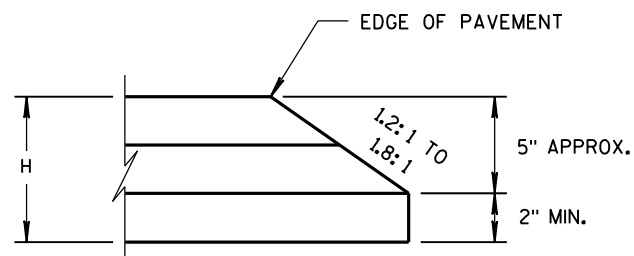
2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 5/15/2013 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA	



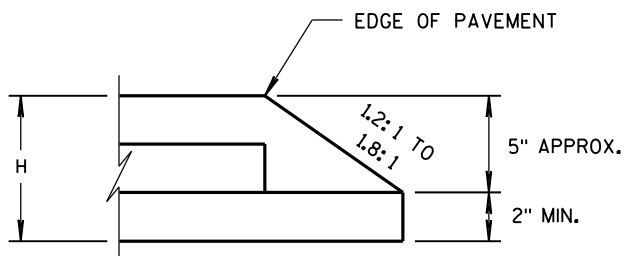
CONSTRUCTED WITH FINAL TWO LAYERS
FOR H 5" OR LESS



CONSTRUCTED WITH FINAL LAYER
FOR H 5" OR LESS

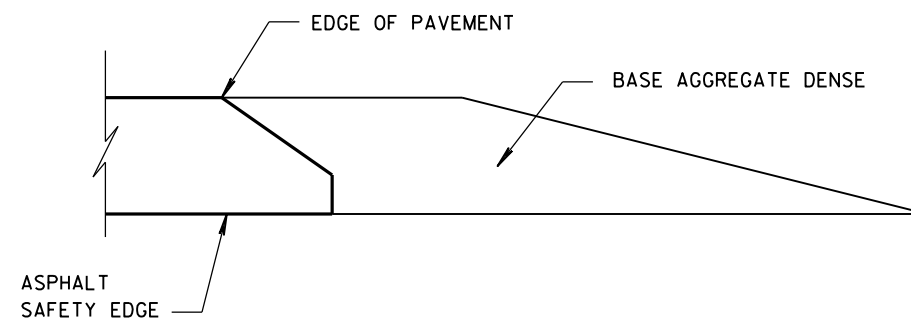


CONSTRUCTED WITH FINAL TWO LAYERS
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER
FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



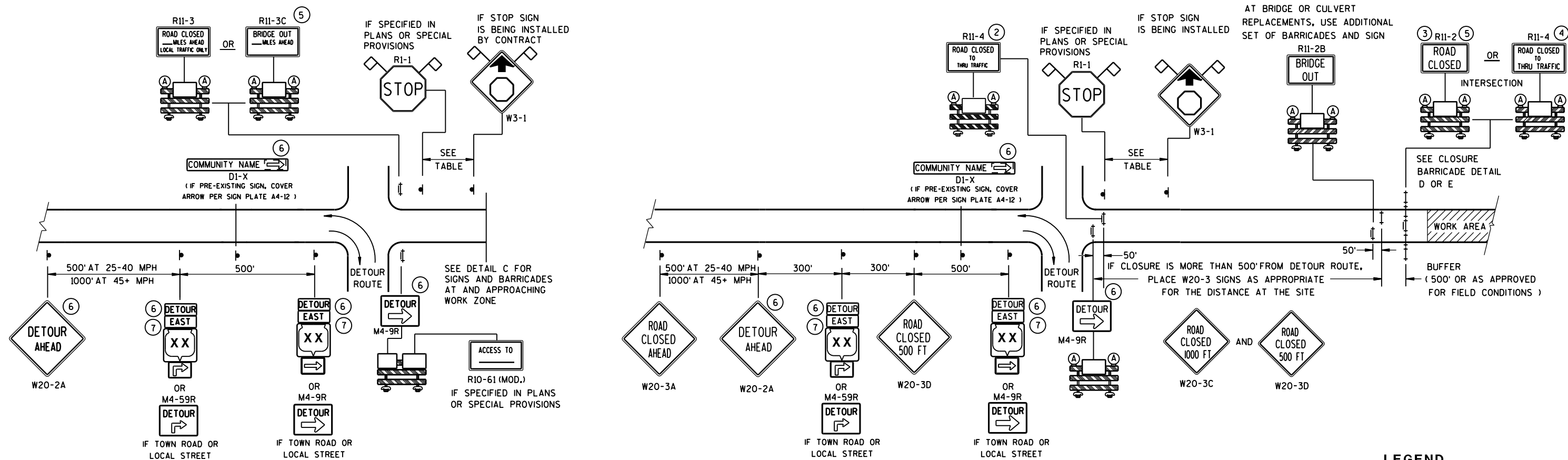
FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE_{SM}

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

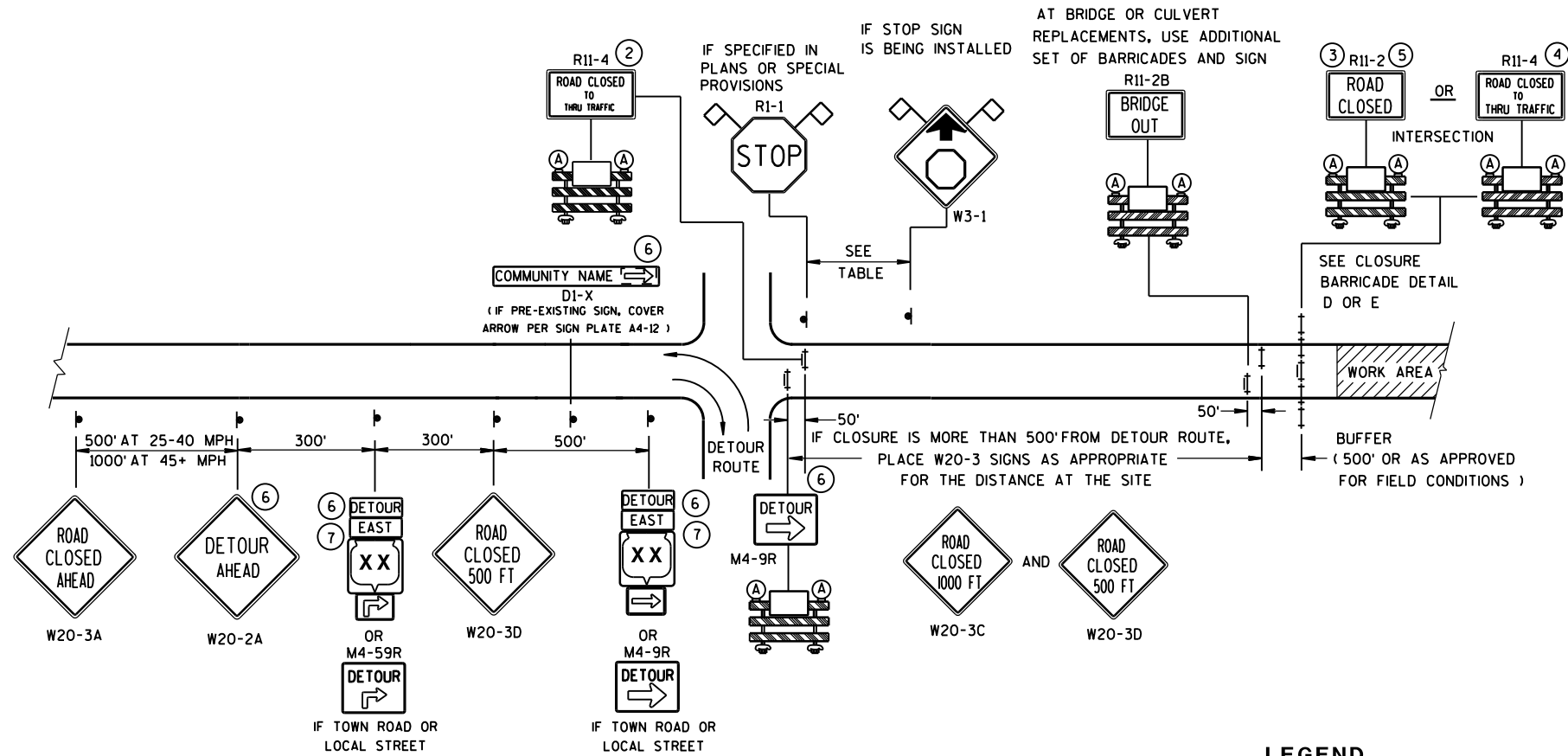
APPROVED
11/30/2012
DATE
FHWA

/s/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT
ENGINEER



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

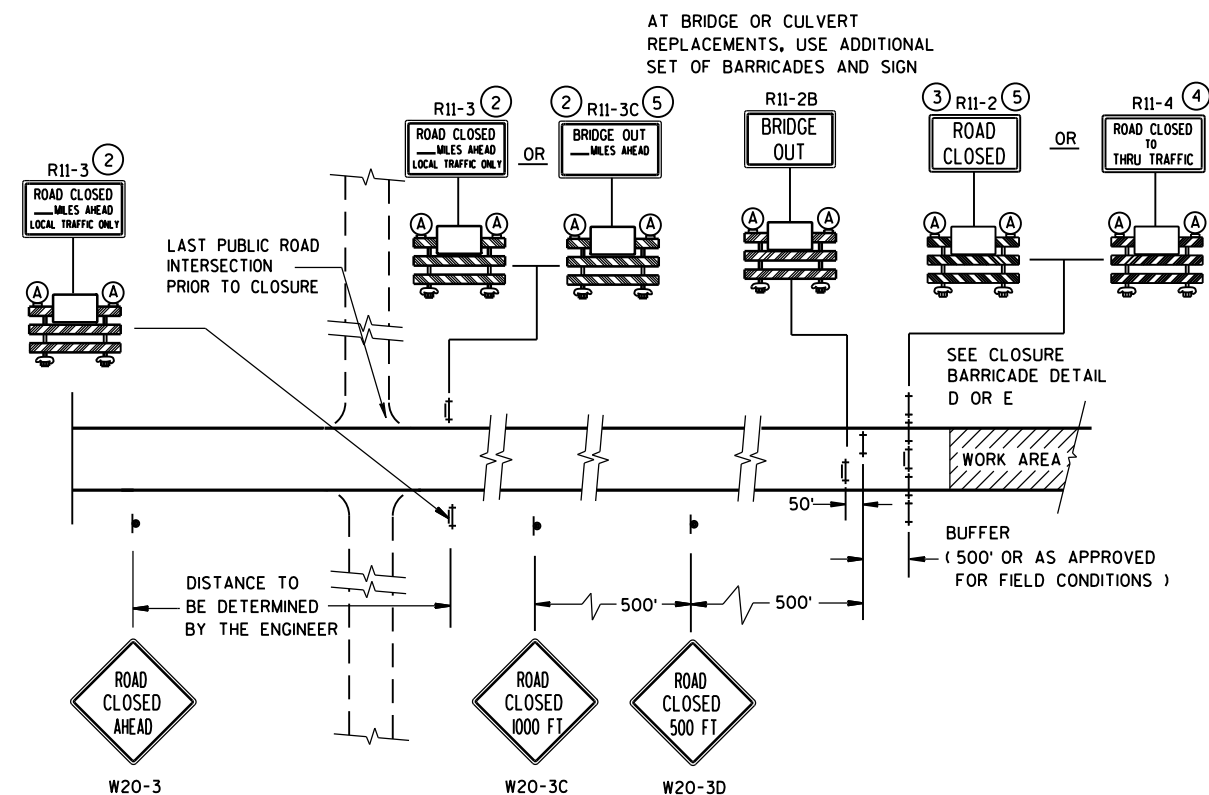
WORK ZONE GREATER THAN 1/2 MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B





MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN 1/2 MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)










DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

LEGEND

- | | |
|---|---------------------------------------|
|  | SIGN ON PERMANENT SUPPORT |
|  | TYPE III BARRICADE |
|  | TYPE III BARRICADE WITH ATTACHED SIGN |
|  | TYPE "A" WARNING LIGHT (FLASHING) |

 WORK AREA

 M4-8
 M3-X
 MI-4
OR
 MI-5A
OR
 MI-6

 OR 
M05-1 M06-1

 FLAGS, 16" X 16" MIN., (ORANGE)

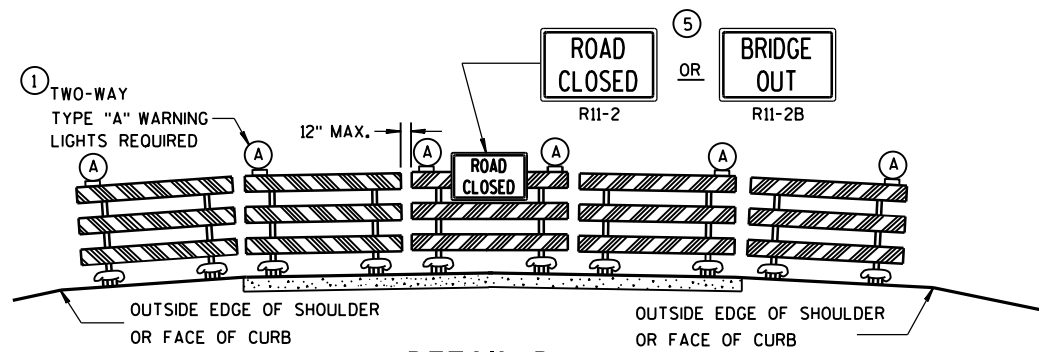
SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES (1) THROUGH (7)

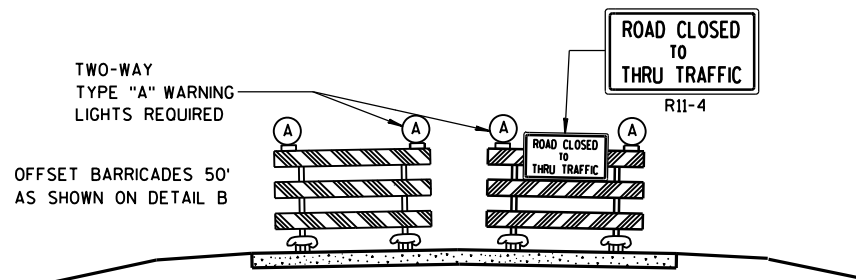
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015	/S/ Peter Amakobe Atepe
DATE	STATEWIDE WORK ZONE TRAFFIC
FHWA	SAFETY ENGINEER



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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.

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

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30".

R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".

M4-9 SHALL BE 30" X 24".

M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)

M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)

M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)

M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)

D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

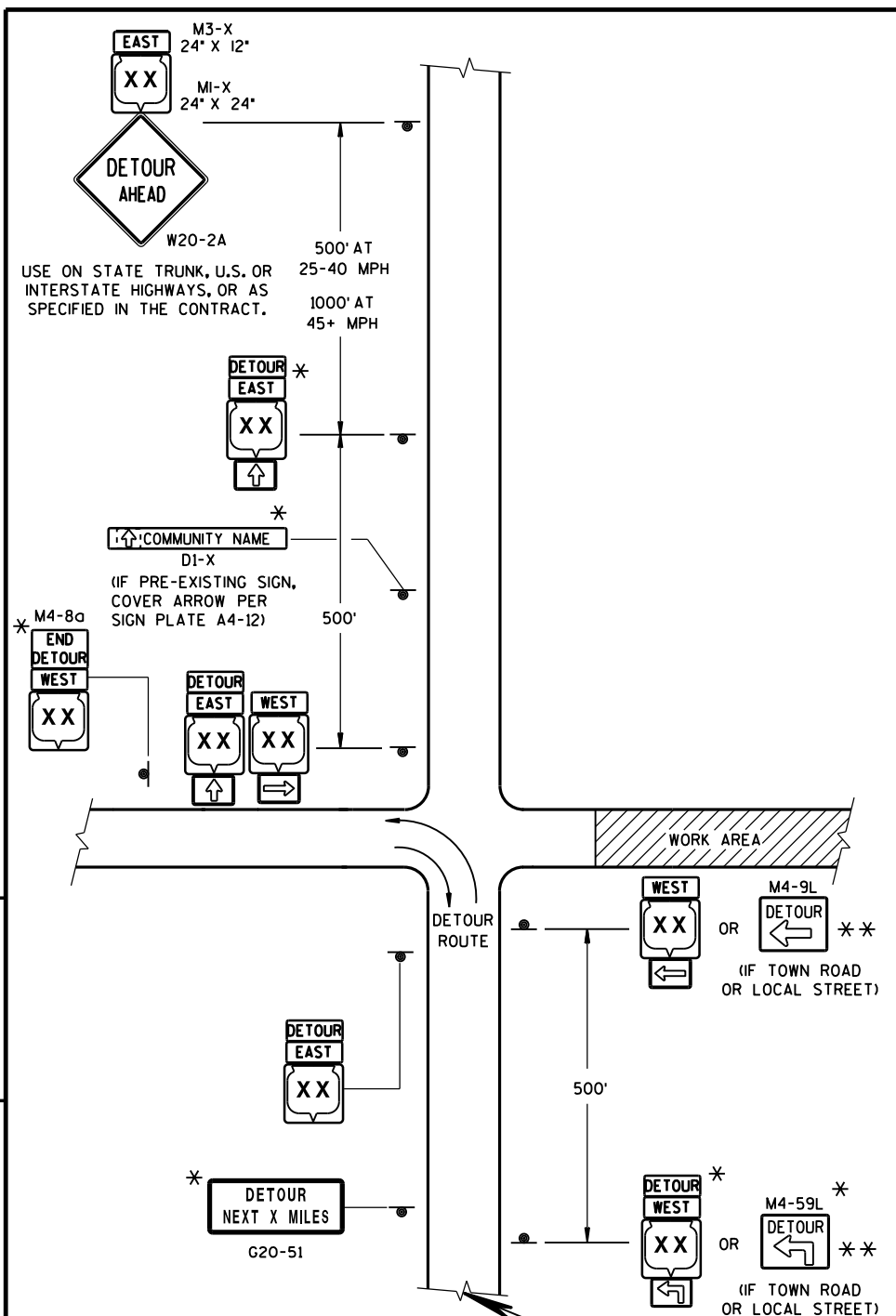
R1-1 SHALL BE 36" X 36".

- 1 TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).
- 2 THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- 3 FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- 4 FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- 5 FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- 6 INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- 7 "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 /S/ Peter Amokobe Atepe
DATE STATEWIDE WORK ZONE TRAFFIC
FHWA SAFETY ENGINEER



THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

MATCH POINT

DETAIL F
DETOUR SIGNING

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS, MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

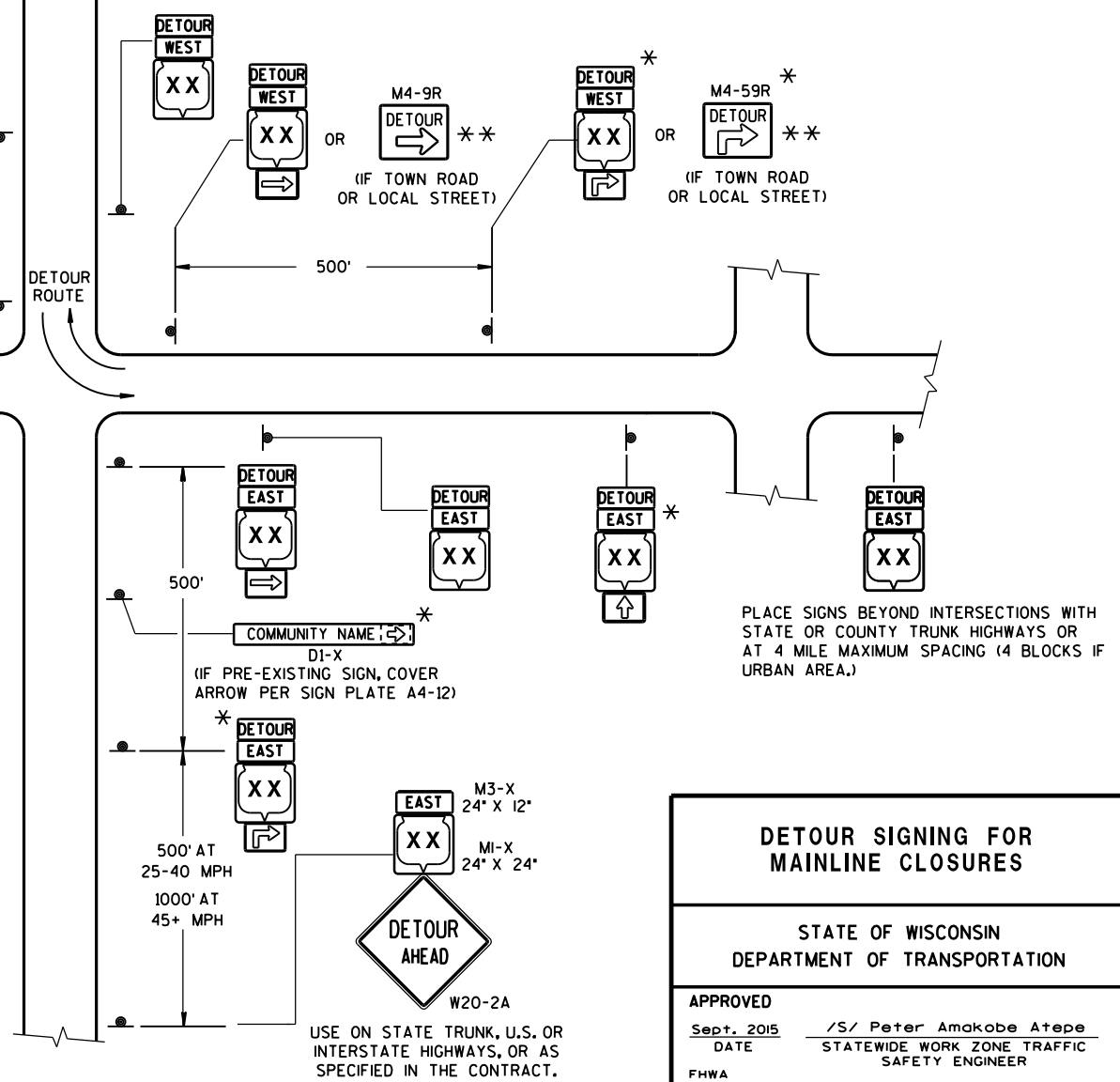
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

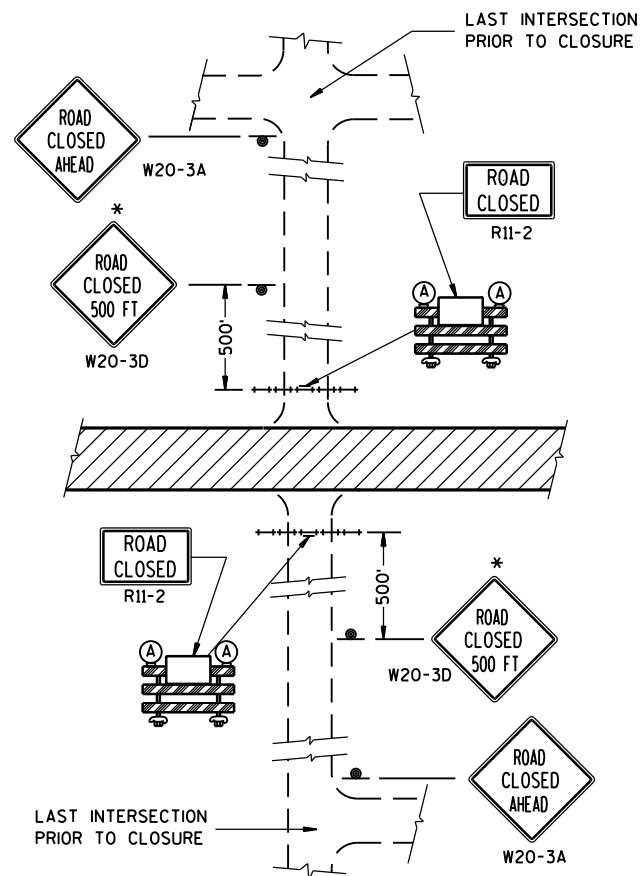
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

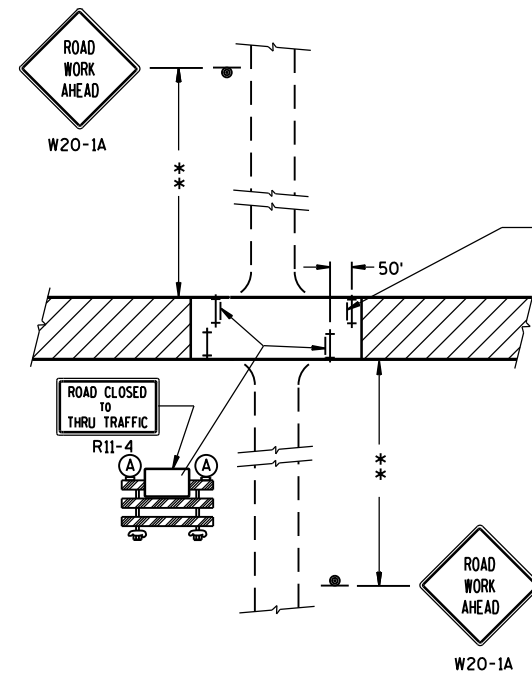
** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



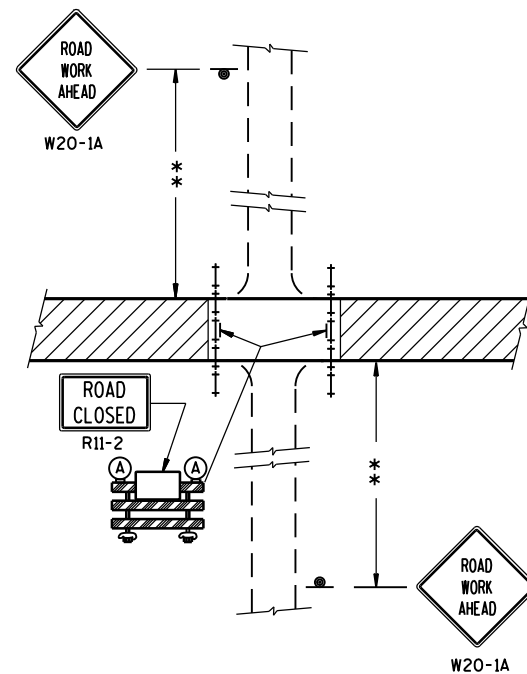
DETOUR SIGNING FOR MAINLINE CLOSURES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED DATE FWHA	/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER



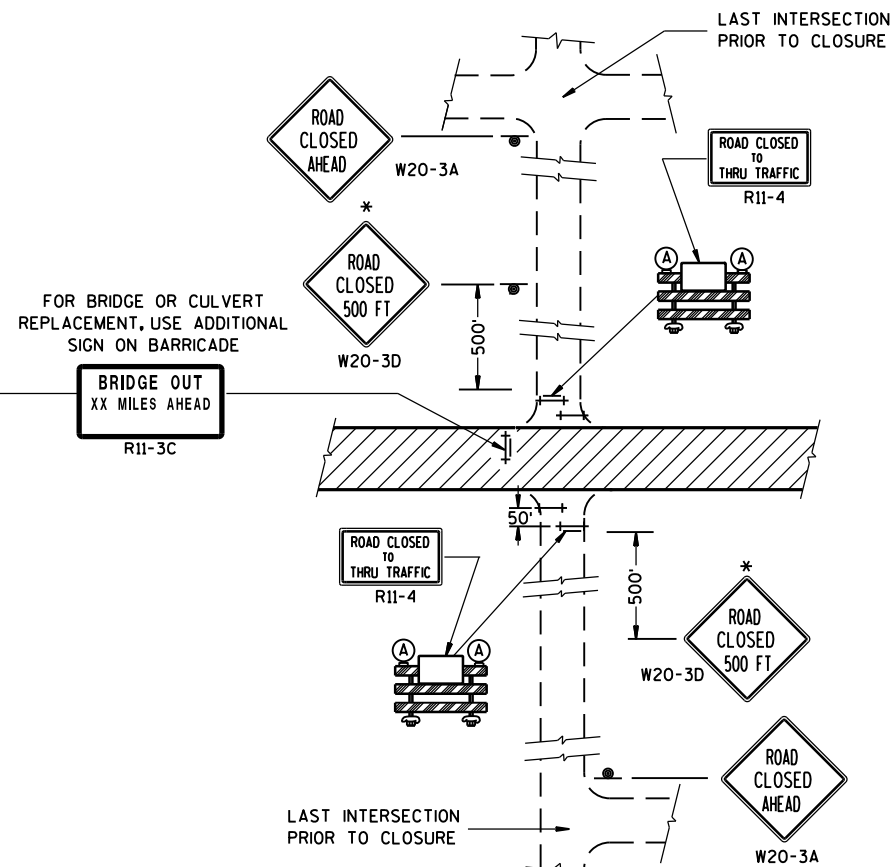
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT).



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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.

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.

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

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30".

R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

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

LEGEND

- ⊙ SIGN ON PERMANENT SUPPORT
- ⊥ TYPE III BARRICADE
- ⊥ TYPE III BARRICADE WITH ATTACHED SIGN
- Ⓐ TYPE "A" WARNING LIGHT (FLASHING)
- ▨ WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015

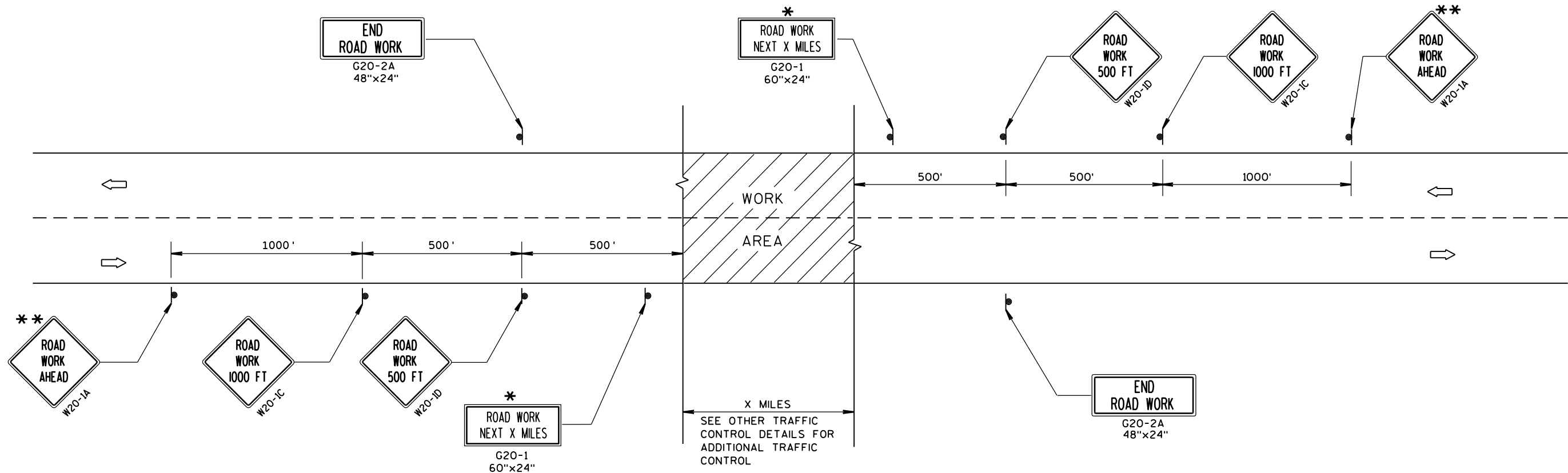
DATE

FHWA

/S/ Peter Amakobe Atepe

STATEWIDE WORK ZONE TRAFFIC

SAFETY ENGINEER



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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

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

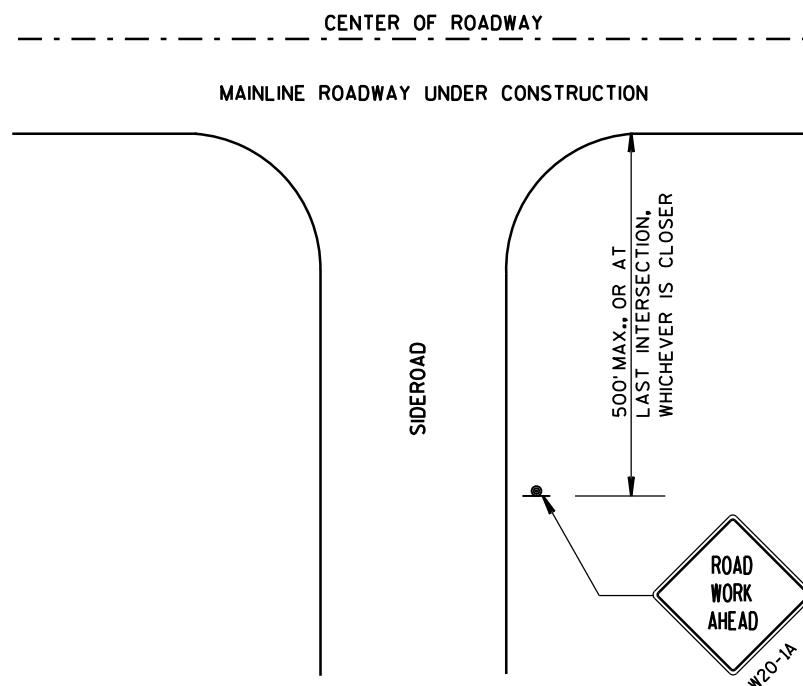
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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

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



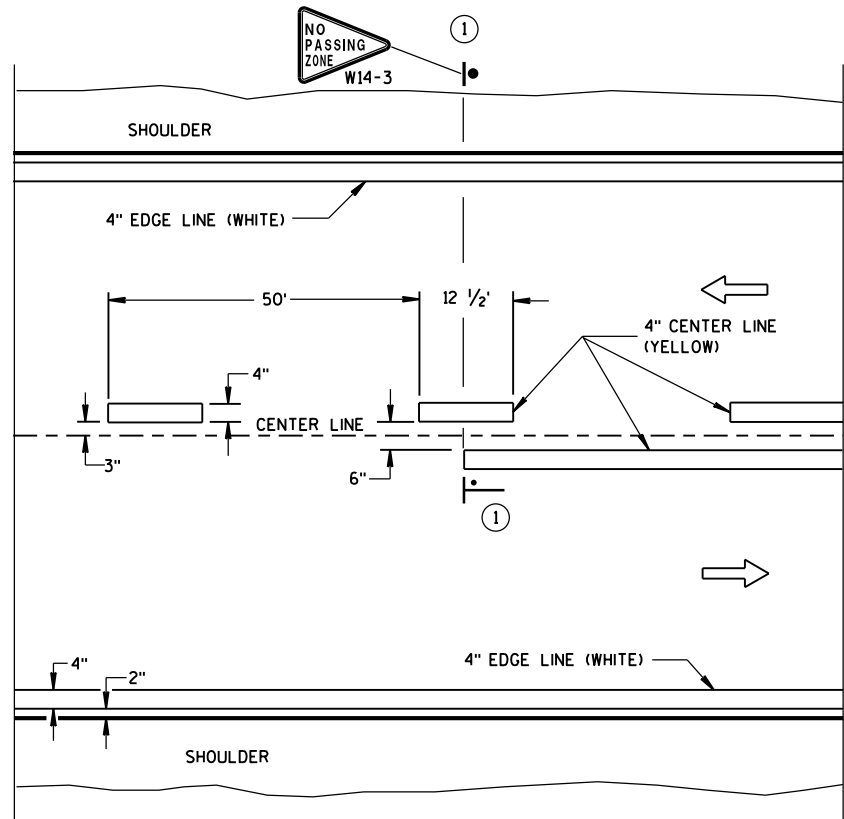
LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

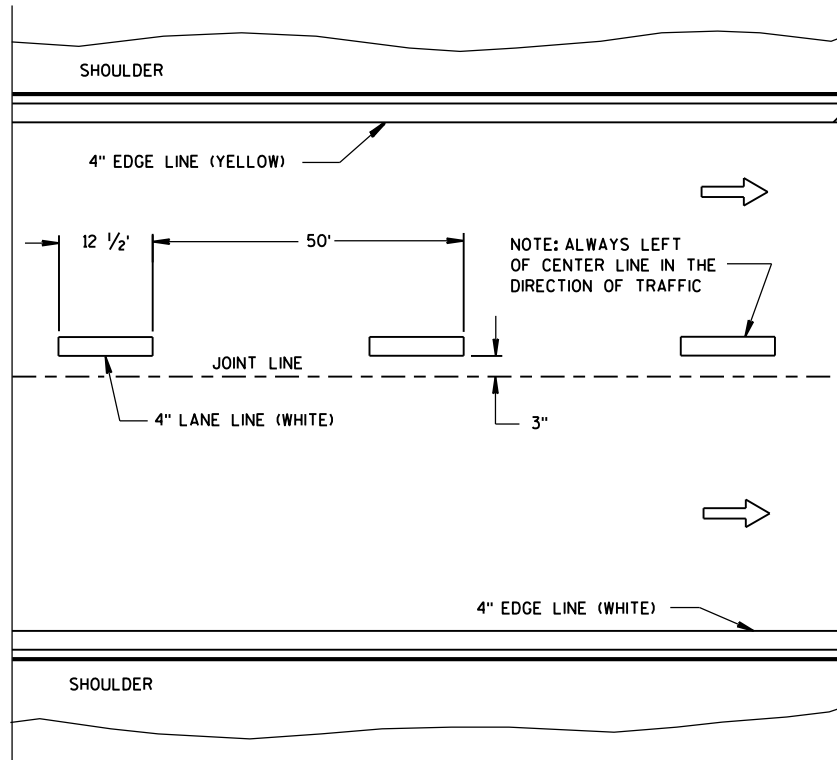
TRAFFIC CONTROL, ADVANCE
WARNING SIGNS 45 M.P.H.
OR GREATER TWO-WAY
UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 /S/ Peter Amokobe Atepe
DATE STATEWIDE WORK ZONE TRAFFIC
FHWA SAFETY ENGINEER

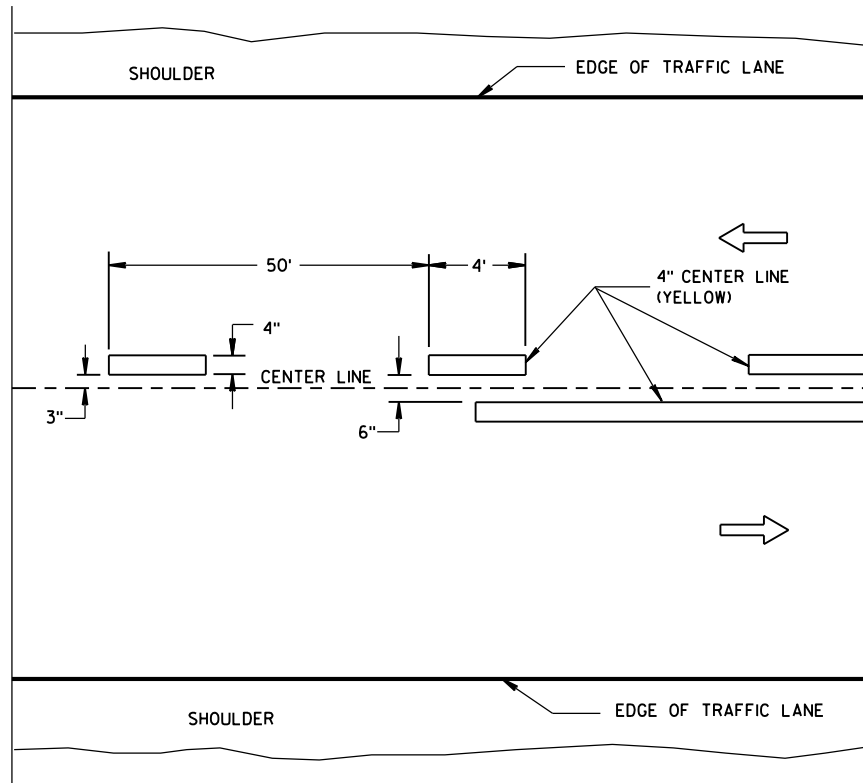


TWO WAY TRAFFIC

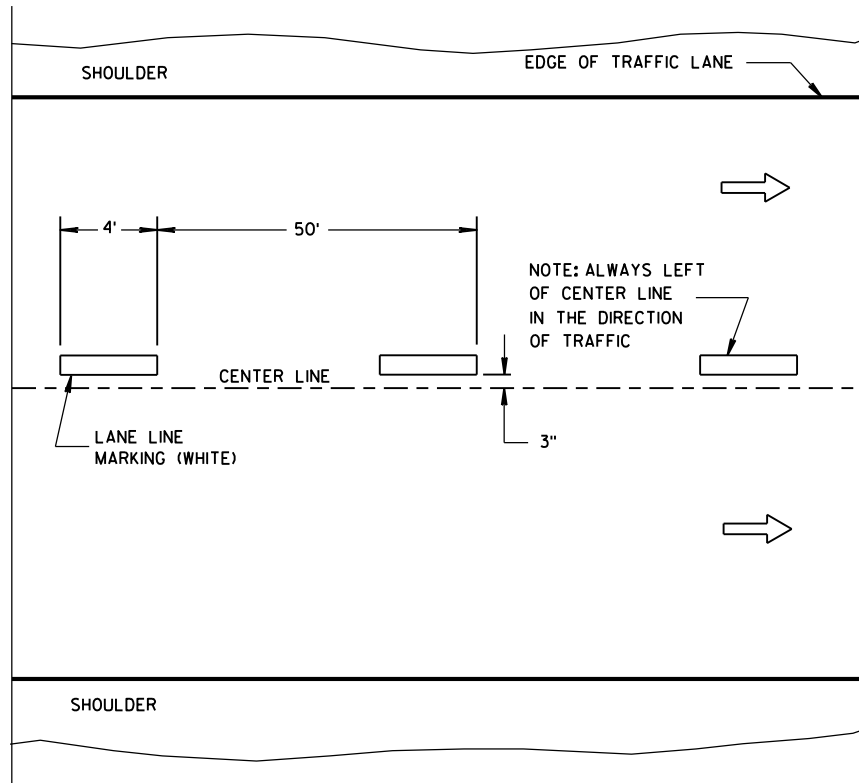


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

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

① NO PASSING ZONE W14-3 SIGN SHALL BE LOCATED WITHIN 50 FEET OF THE "T" MARKING.

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

LEGEND

—●— "T" MARKING

● POST MOUNTED SIGN

LONGITUDINAL MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARKING ENGINEER
FHWA

LEGEND

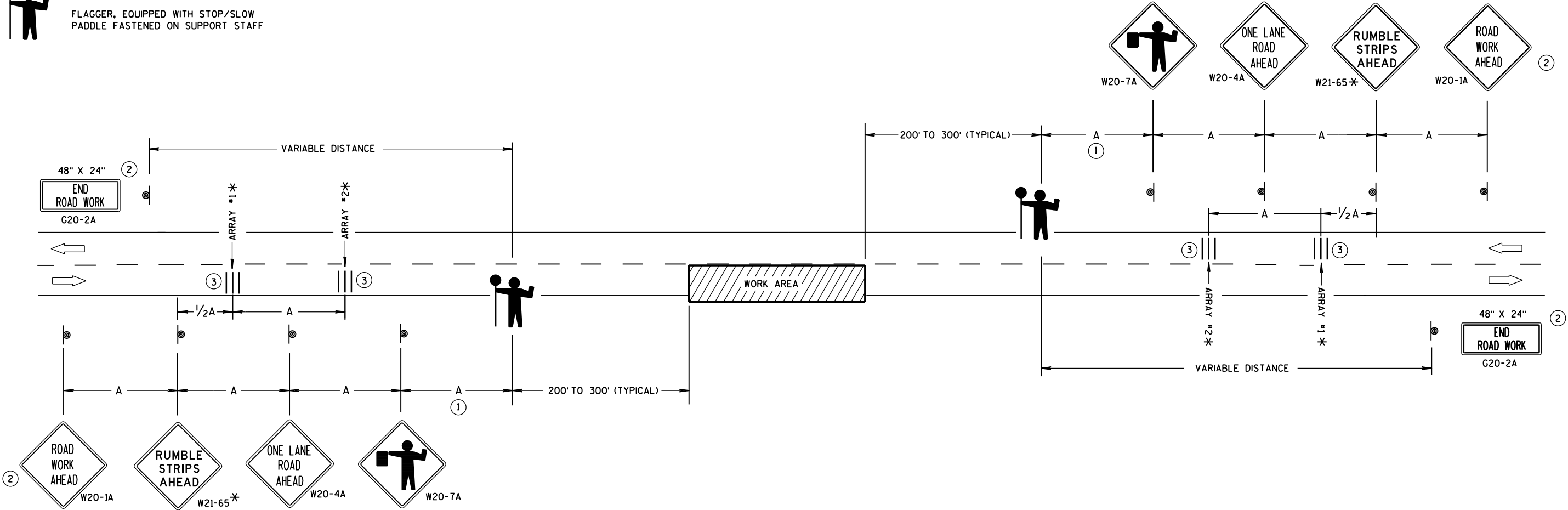
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING A
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING A.



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

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.

"W0" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

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, REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

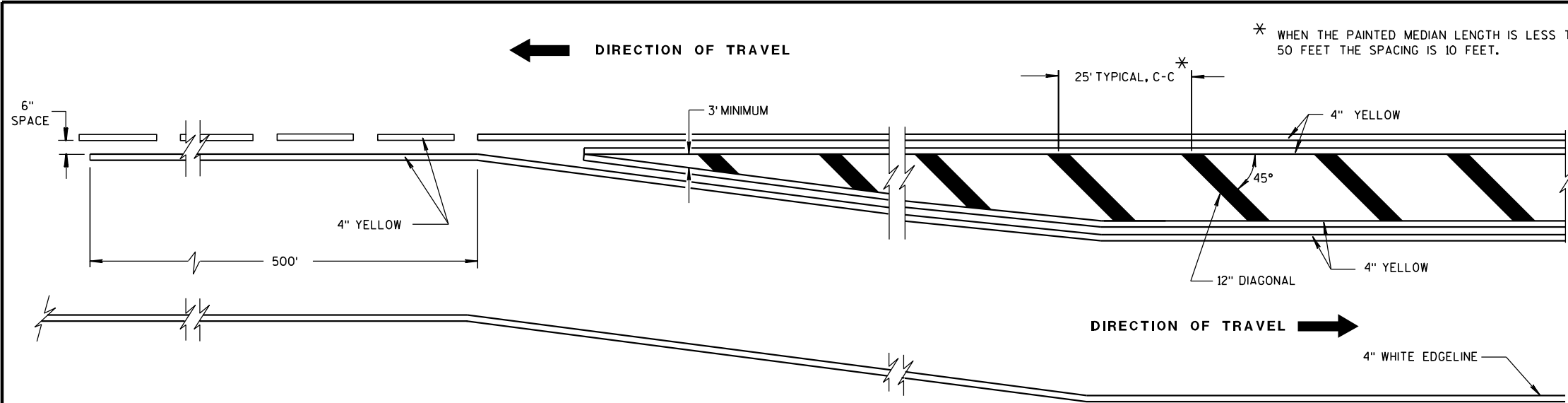
* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

- FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.
- EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

TRAFFIC CONTROL FOR
LANE CLOSURE WITH
FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

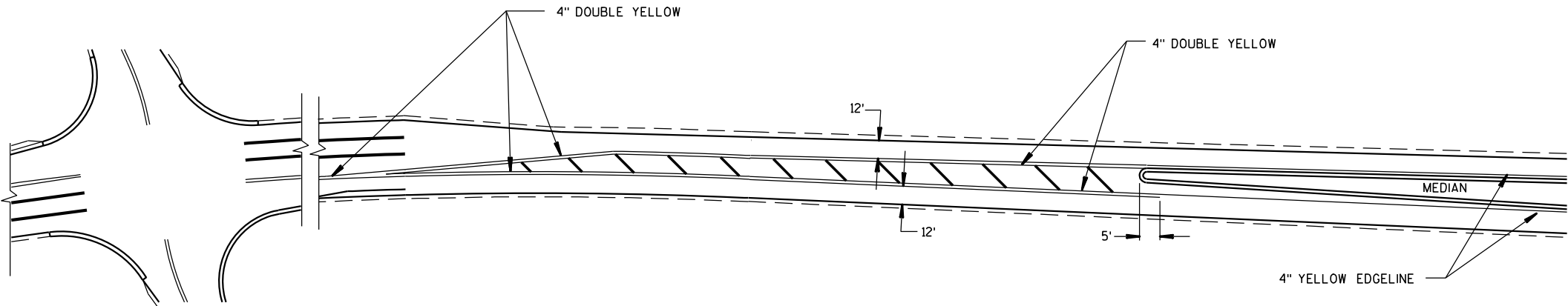
APPROVED
December, 2016 /S/ Andrew Heldtke
DATE WORK ZONE ENGINEER
FHWA



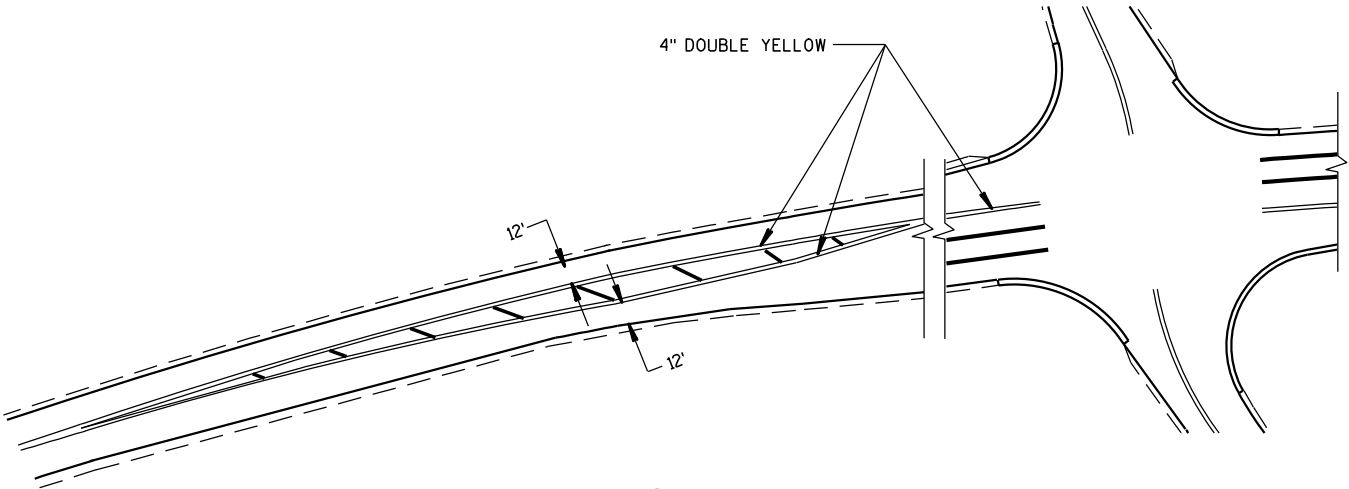
MEDIAN ISLAND DETAIL

GENERAL NOTE

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

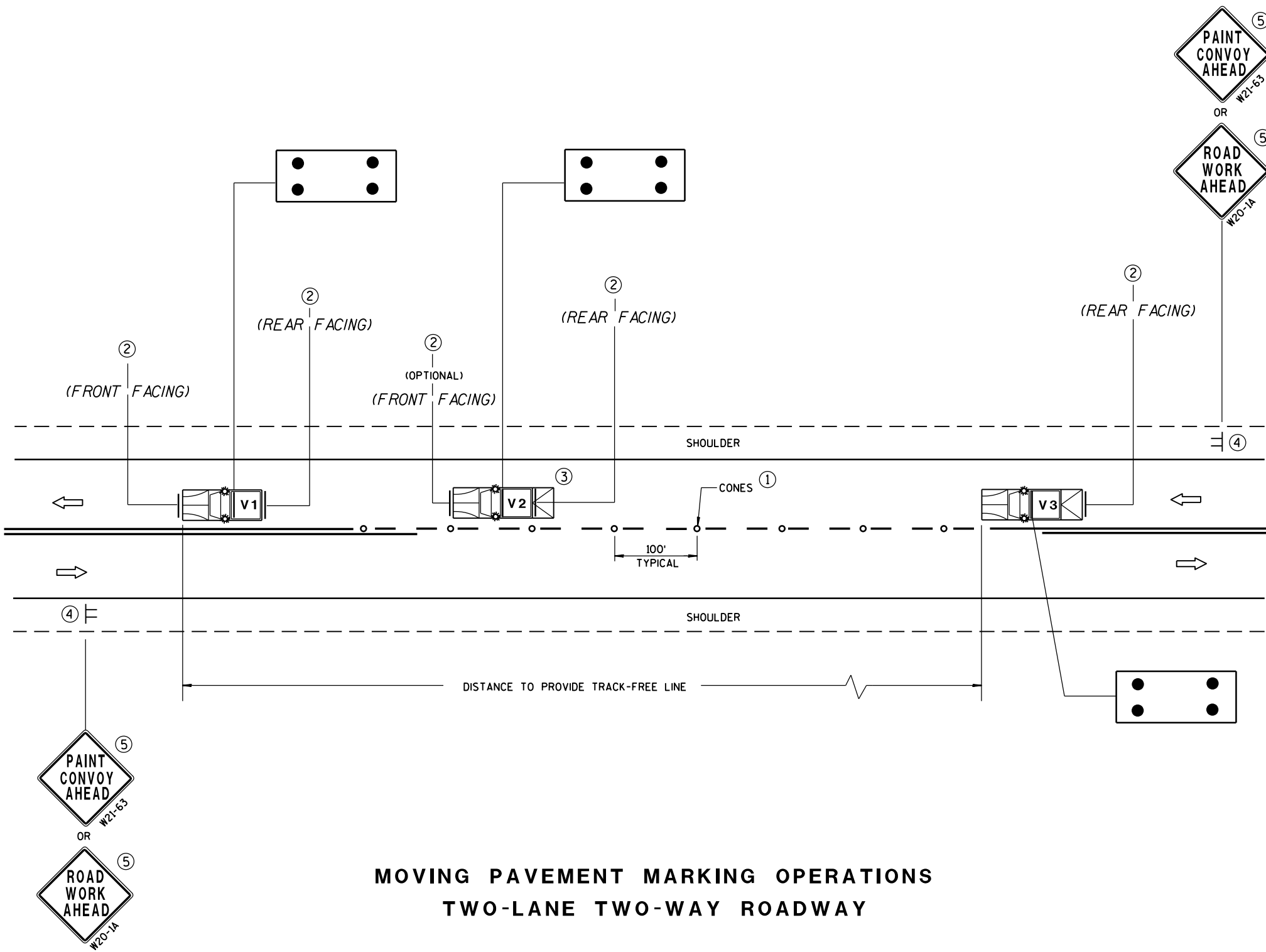


APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 2-5-09 DATE	/S/ Thomas N. Notbohm STATE TRAFFIC ENGINEER OF DESIGN
FHWA	



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

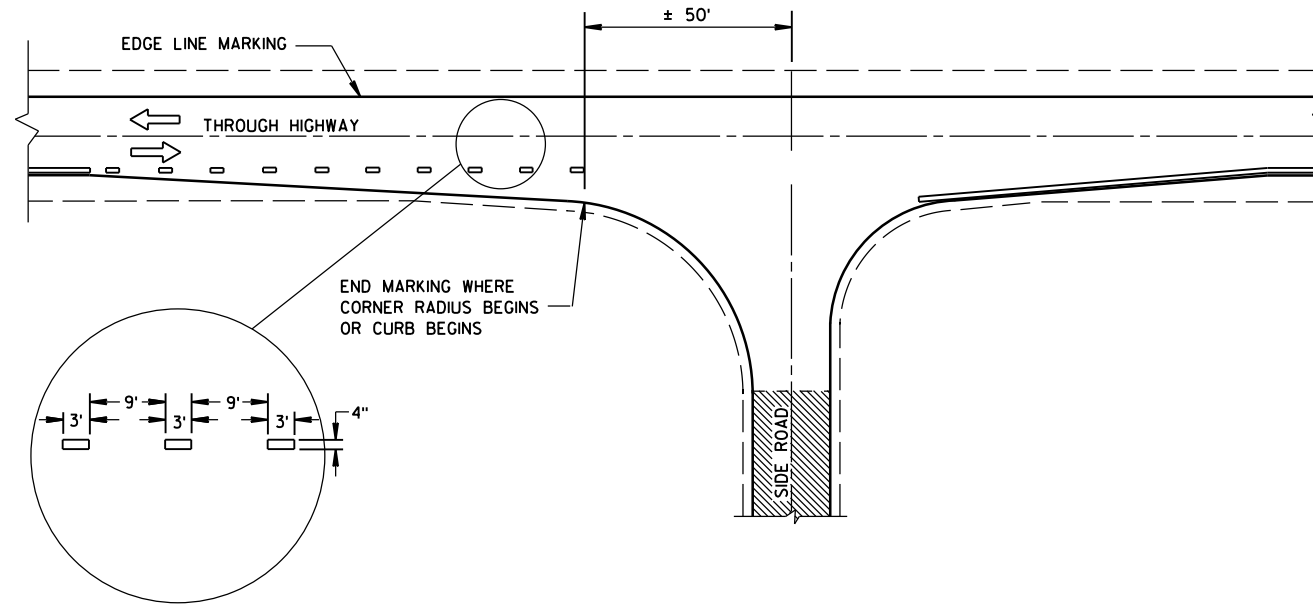
LEGEND

- V1** LEAD VEHICLE
- V2** SHADOW VEHICLE
- V3** TRAIL VEHICLE WITH TMA
-  **TMA** TRUCK-MOUNTED ATTENUATOR
-  SIGN ON TEMPORARY SUPPORT
-  DIRECTION OF TRAFFIC
-  CONES
-  FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING
OPERATION
TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 /S/ Peter Amakobe Atepe
DATE STATEWIDE WORK ZONE TRAFFIC
FHWA SAFETY ENGINEER




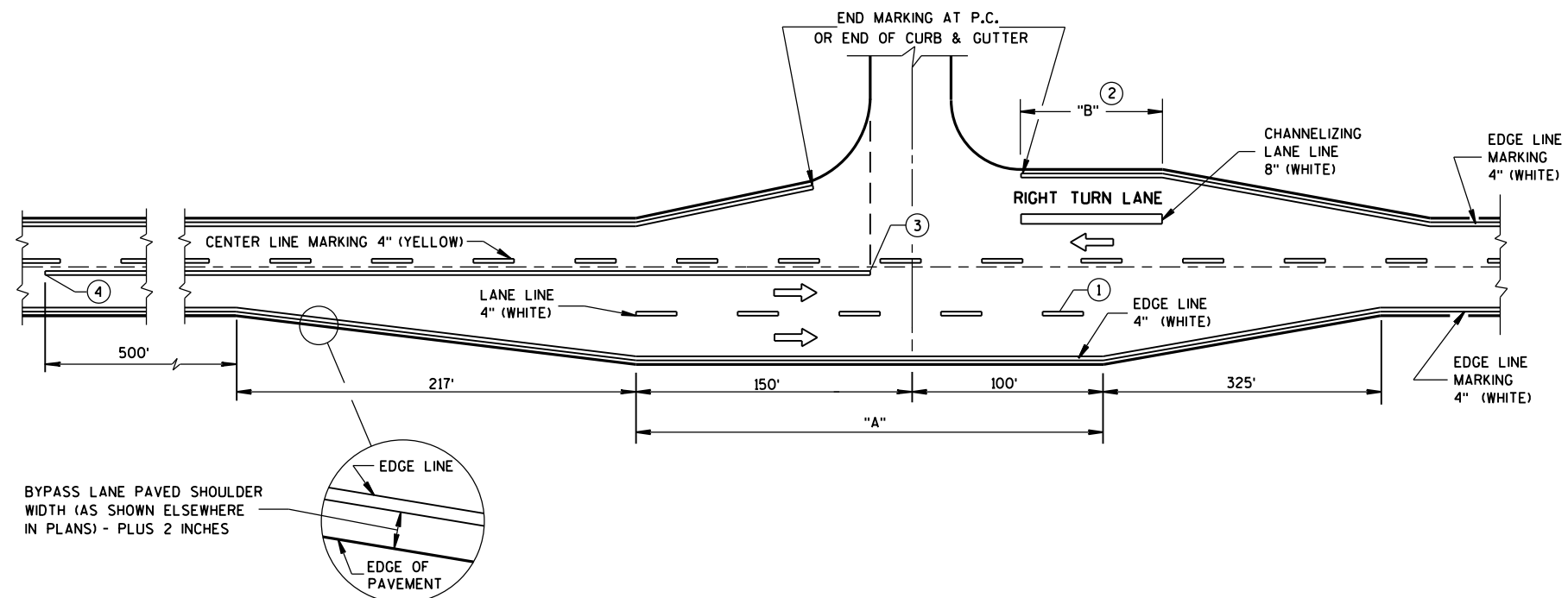
MINOR INTERSECTION WITHOUT CURBS

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 BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
- ④ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

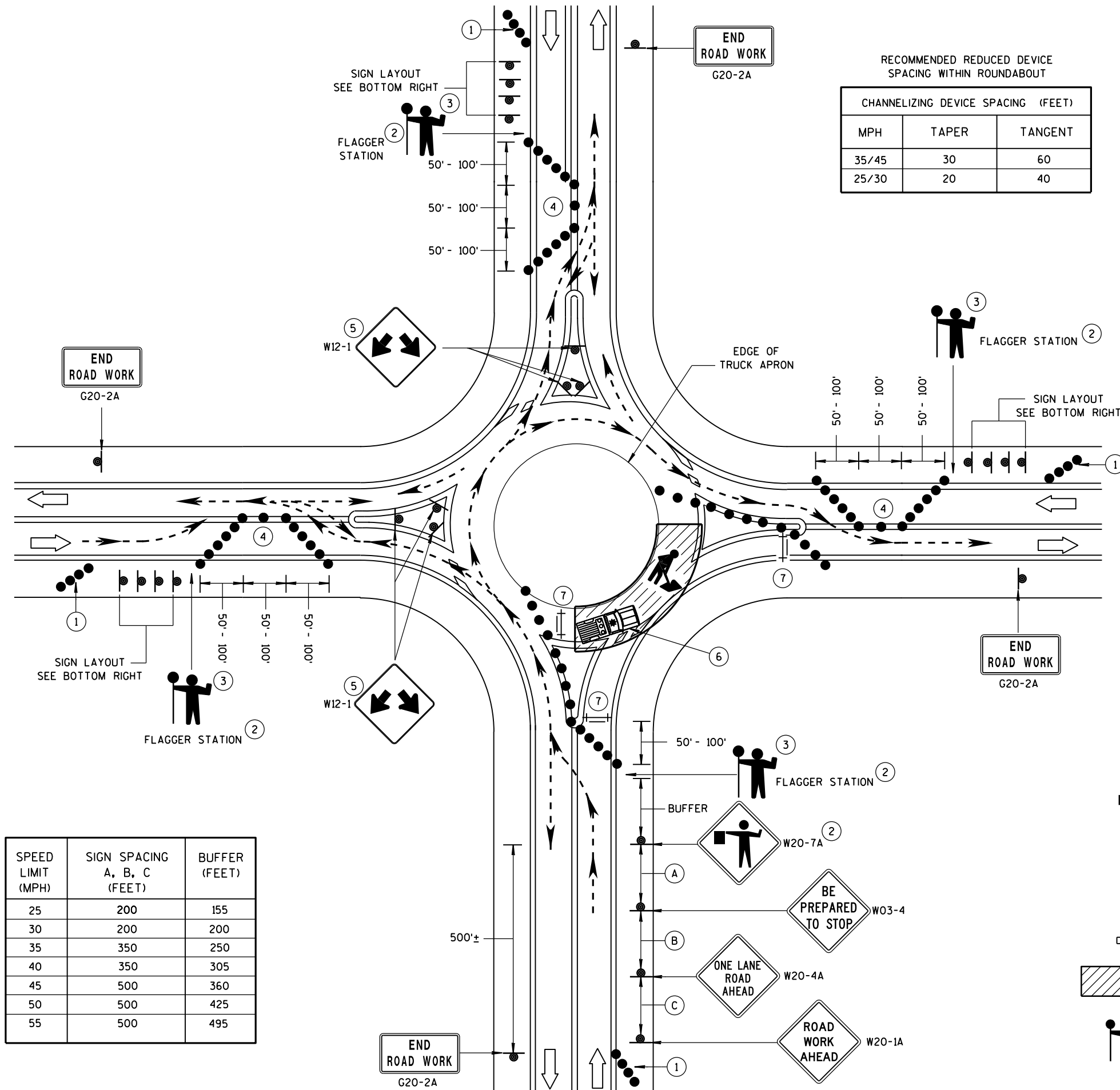
ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL



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

**PAVEMENT MARKING
(INTERSECTIONS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



SPEED LIMIT (MPH)	SIGN SPACING A, B, C (FEET)	BUFFER (FEET)
25	200	155
30	200	200
35	350	250
40	350	305
45	500	360
50	500	425
55	500	495

END
ROAD WORK
G20-2A

RECOMMENDED REDUCED DEVICE SPACING WITHIN ROUNDABOUT		
CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35/45	30	60
25/30	20	40

GENERAL NOTES

ALL SIGNS ARE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS IF APPROVED BY THE ENGINEER.

REMOVE OR COVER CONFLICTING SIGNS.

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

ONLY ONE QUADRANT OF TRAFFIC SHALL BE RELEASED AT A TIME.

FLAGGERS SHALL CONTROL TRAFFIC ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. ONE FLAGGER SHALL BE DESIGNATED LEAD FLAGGER.

RADIO COMMUNICATION SHALL BE USED BY ALL FLAGGERS.

NIGHT TIME WORK REQUIRES ADDITIONAL LIGHTING AT FLAGGER STATION(S).

- 1 PLACE A MINIMUM OF 4 DRUMS ON THE SHOULDER IN ADVANCE OF THE PCMS IN A TAPER FOR DELINEATION ON ALL APPROACHES TO THE ROUNDABOUT.
- 2 ESTABLISH THE LIMITS OF THE WORK ZONE TO ENSURE THE MAXIMUM POSSIBLE SIGHT DISTANCE TO THE FLAGGER STATION.
- 3 FLAGGERS SHALL BE IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.
- 4 ADJUST CHANNELIZING DEVICES TO ACCOMMODATE FOR TURNING RADIUS OF LARGE VEHICLES AS DIRECTED BY THE ENGINEER.
- 5 GUIDE SIGN WITH ROAD NAMES MAY BE USED IN LIEU OF THE DOUBLE ARROW (W12-1) SIGN.
- 6 BUFFER VEHICLE RECOMMENDED TO SHIELD WORK AREA.
- 7 TYPE III BARRICADES WITH ROAD CLOSED SIGN.

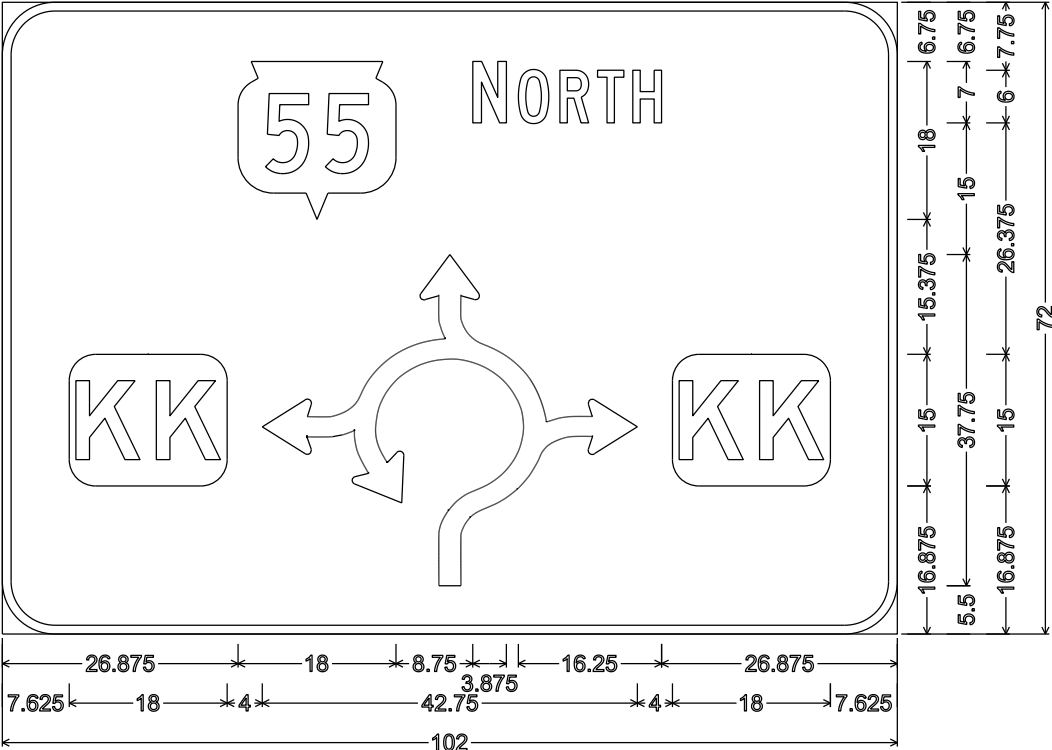
LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

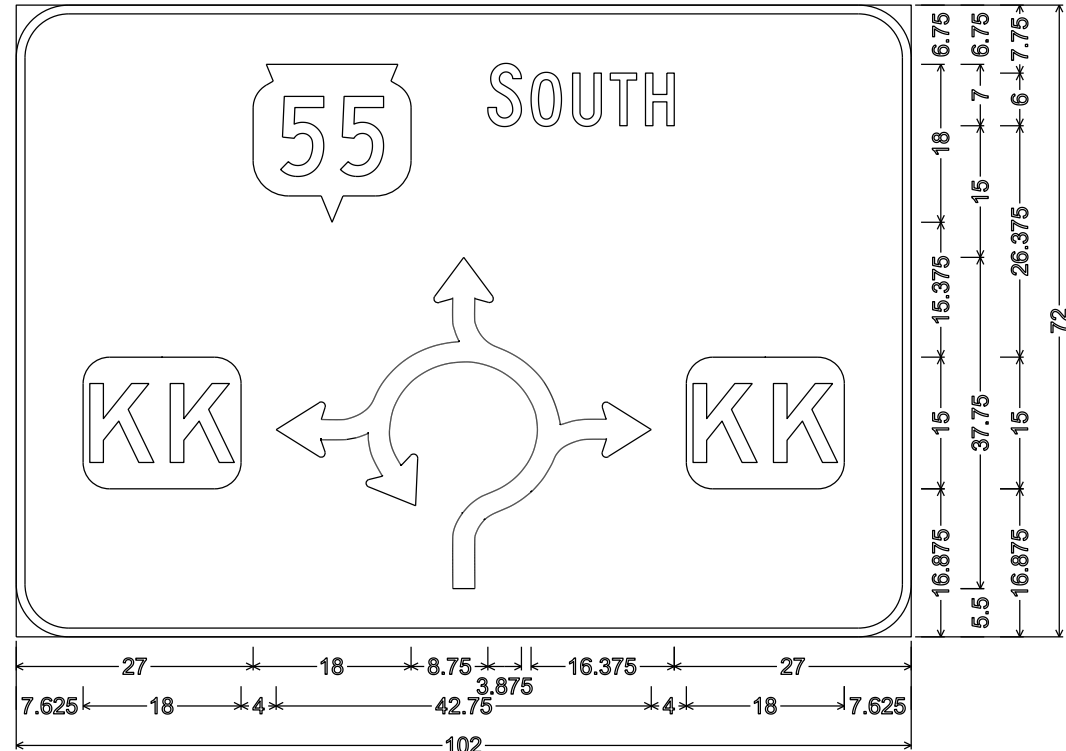
TRAFFIC CONTROL,
2-LANE ROUNDABOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

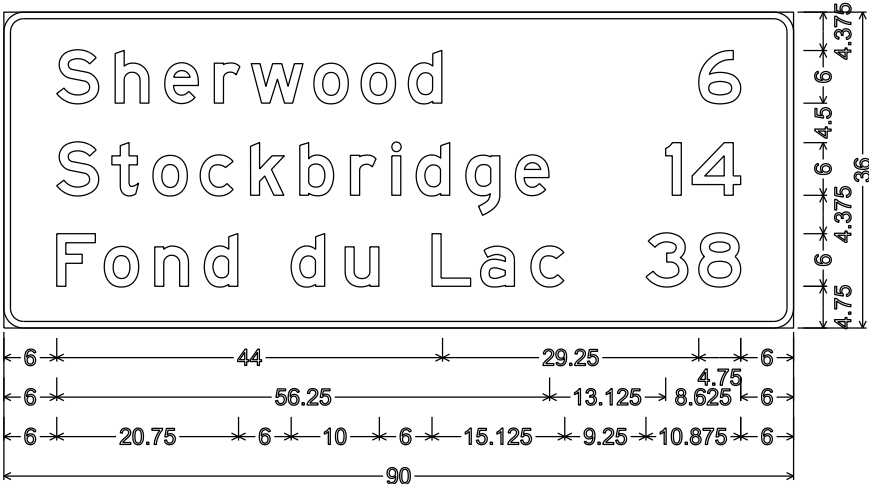
APPROVED
June 2016 /S/ Peter Amakobe Atepe
DATE STATEWIDE WORK ZONE TRAFFIC
FHWA SAFETY ENGINEER



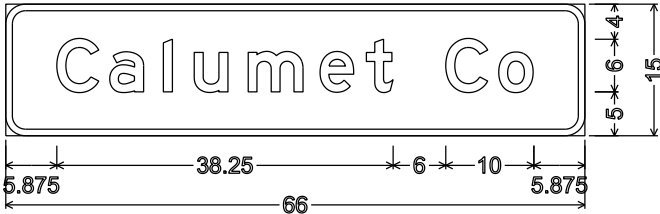
D1-62; 6.000" Radius, 1.000" Border, "NORTH" C



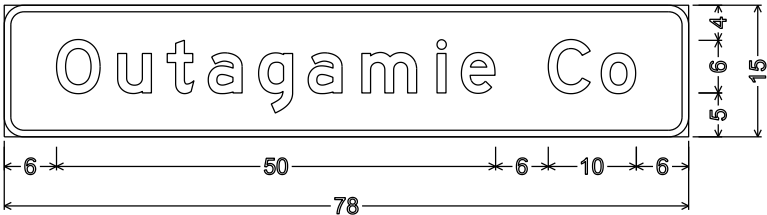
D1-62; 6.000" Radius, 1.000" Border, "SOUTH" C



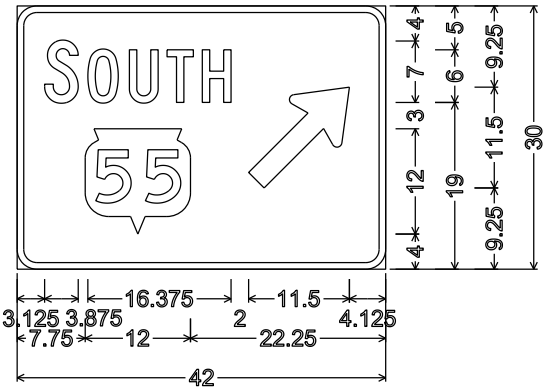
D2-3; 2.250" Radius, 0.750" Border



I2-2; 2.250" Radius, 0.750" Border



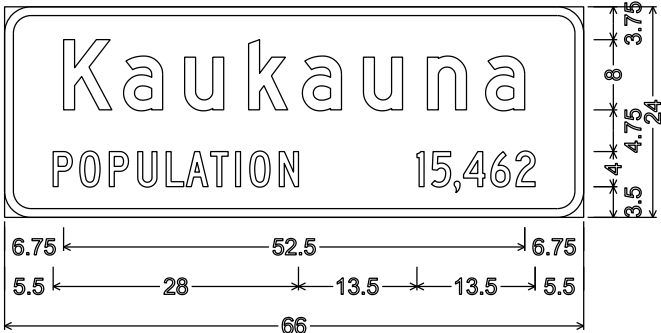
I2-2; 2.250" Radius, 0.750" Border



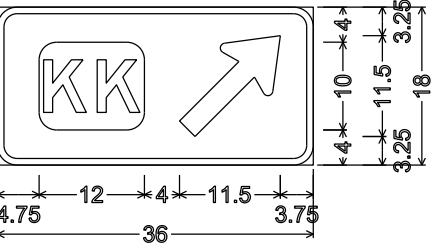
D1-1; 2.250" Radius, 0.750" Border, "SOUTH" C;

NOTES

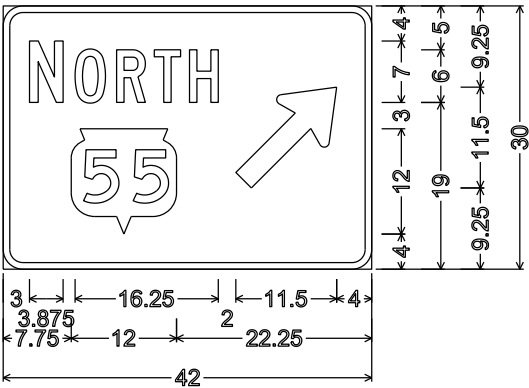
- 1. Signs are Type II- Type H Reflective
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E except as noted



I2-3; 3.000" Radius, 1.000" Border, "Kaukauna" D; "POPULATION" C; "15,462" C

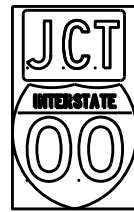


D1-1; 2.250" Radius, 0.750" Border

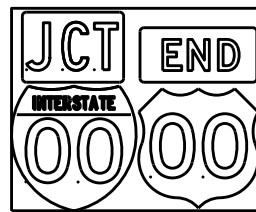


D1-1; 2.250" Radius, 0.750" Border, "NORTH" C;

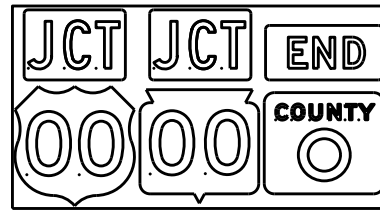
TYPICAL ASSEMBLIES



J1-1



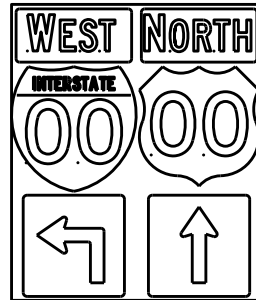
J1-2



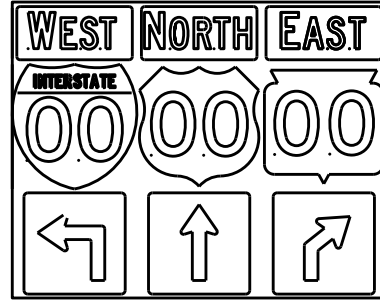
J1-3



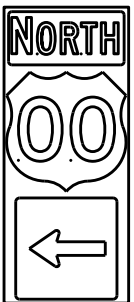
J2-1



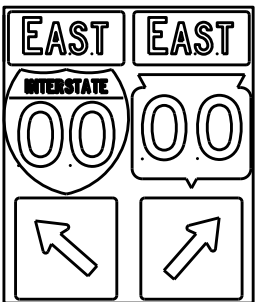
J2-2



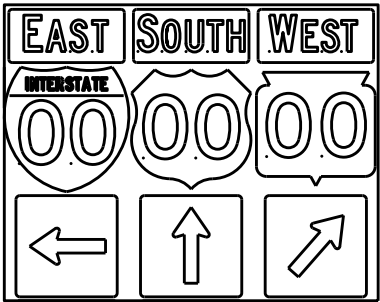
J2-3



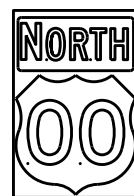
J3-1



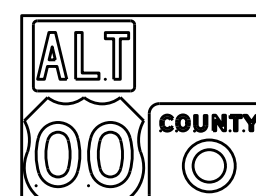
J3-2



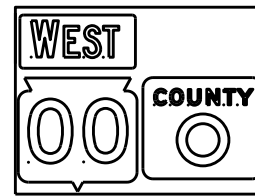
J3-3



J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1



J23-1

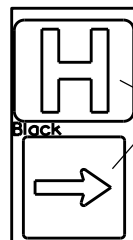


J22-1



JV

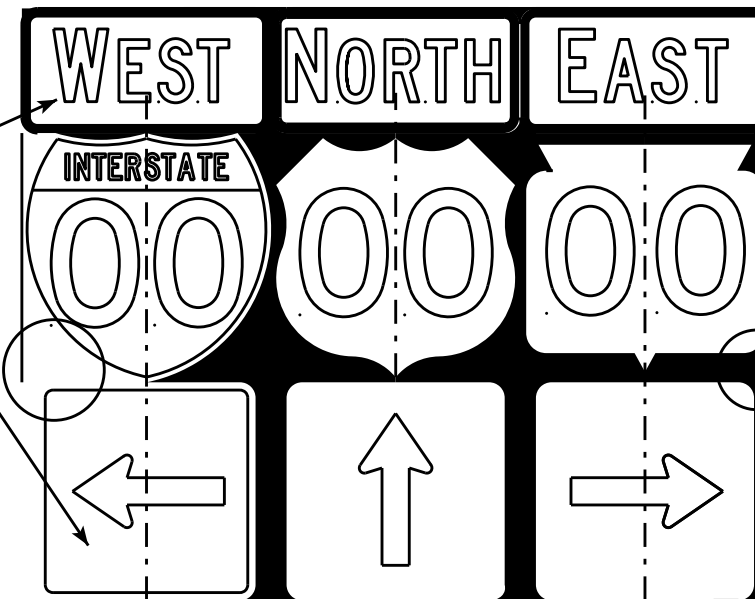
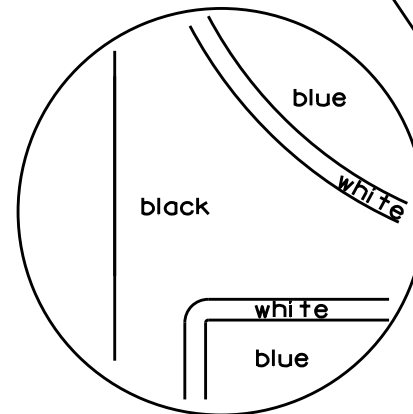
(Typical Vertical J-Assembly
See Note 10 and 11)



JH-1

Blue Background

[blue background
with interstate]



[black background]

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 2/06/14 PLATE NO. A2-1S.8

NOTES

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

PROJECT NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN

PLOT DATE : 06-FEB-2014 14:10

PLOT BY : mscs.ja

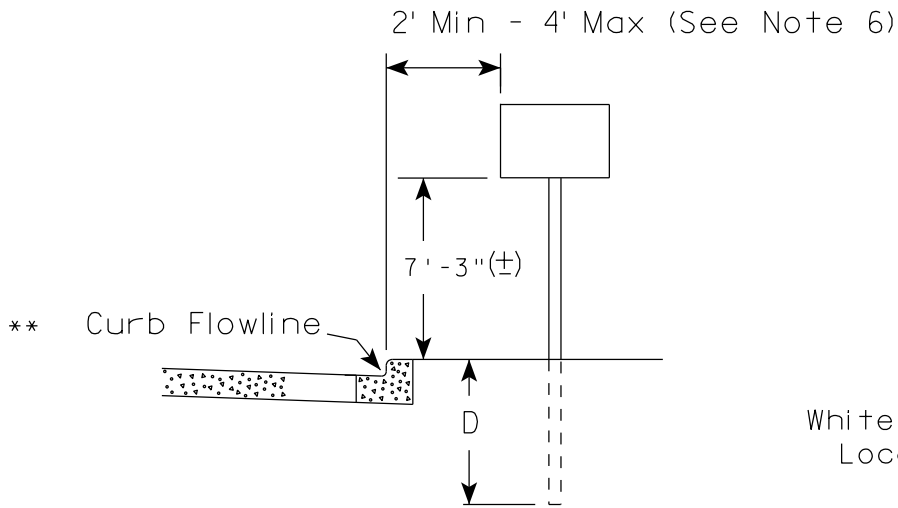
PLOT NAME :

SHEET NO:

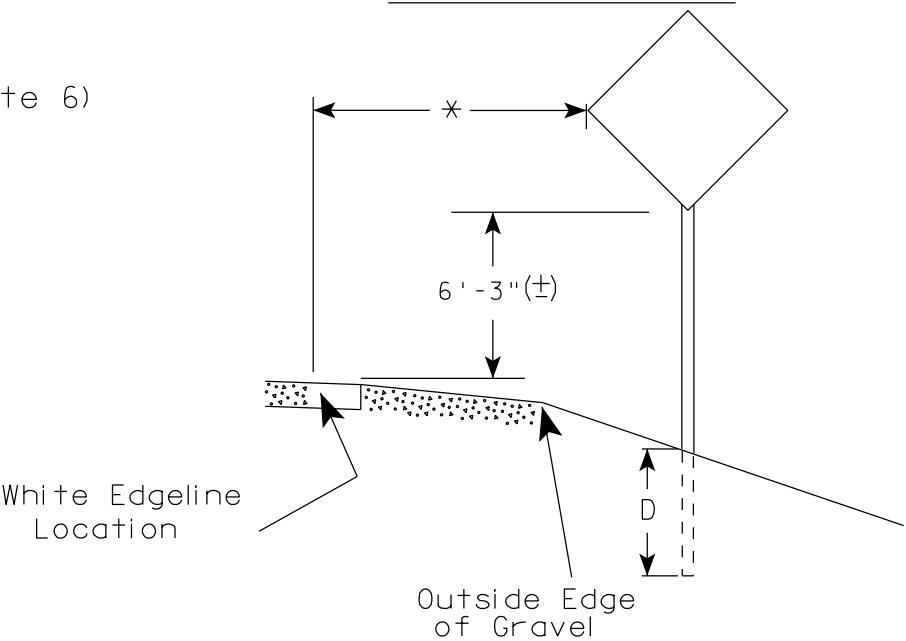
E

WISDOT/CADDs SHEET 42

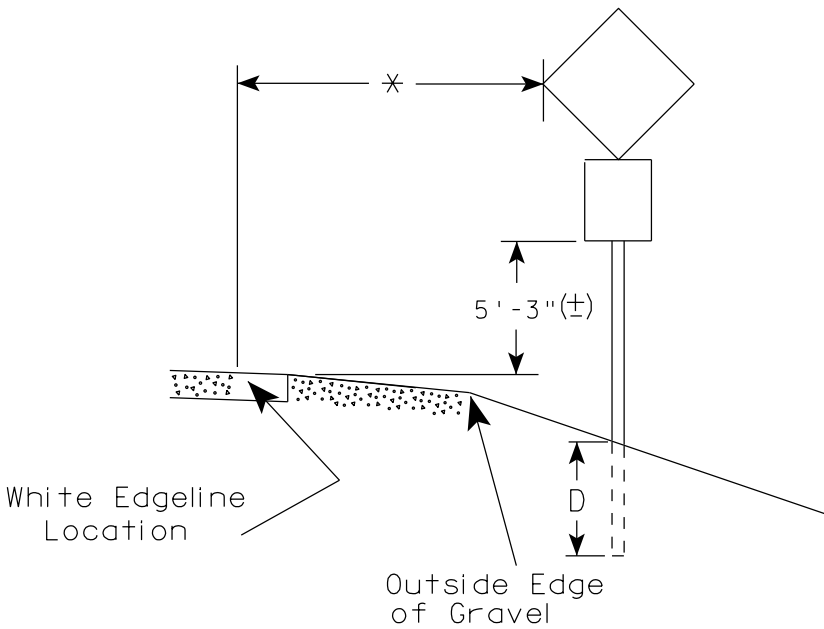
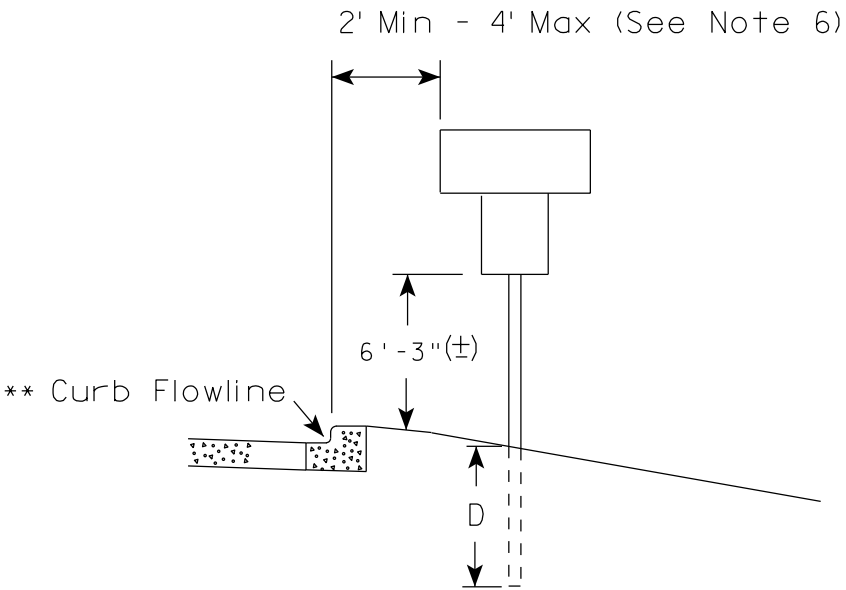
URBAN AREA



RURAL AREA (See Note 2)



- GENERAL NOTES
1. Signs wider than 4 feet or 20 sq.ft or larger, 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 (A2-1S) 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 signs 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), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).



POST EMBEDMENT DEPTH

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

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

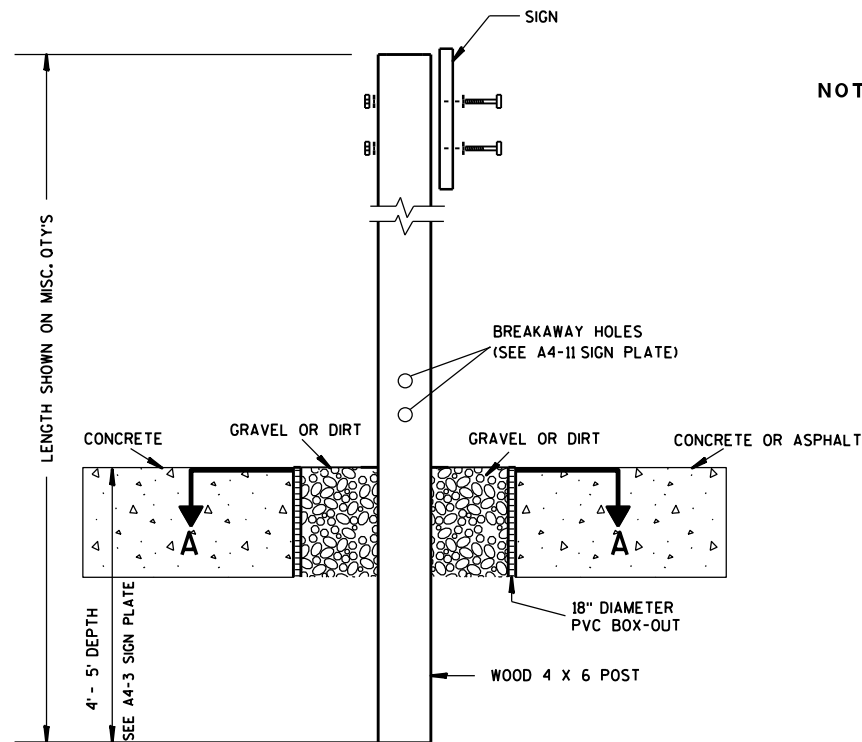
* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

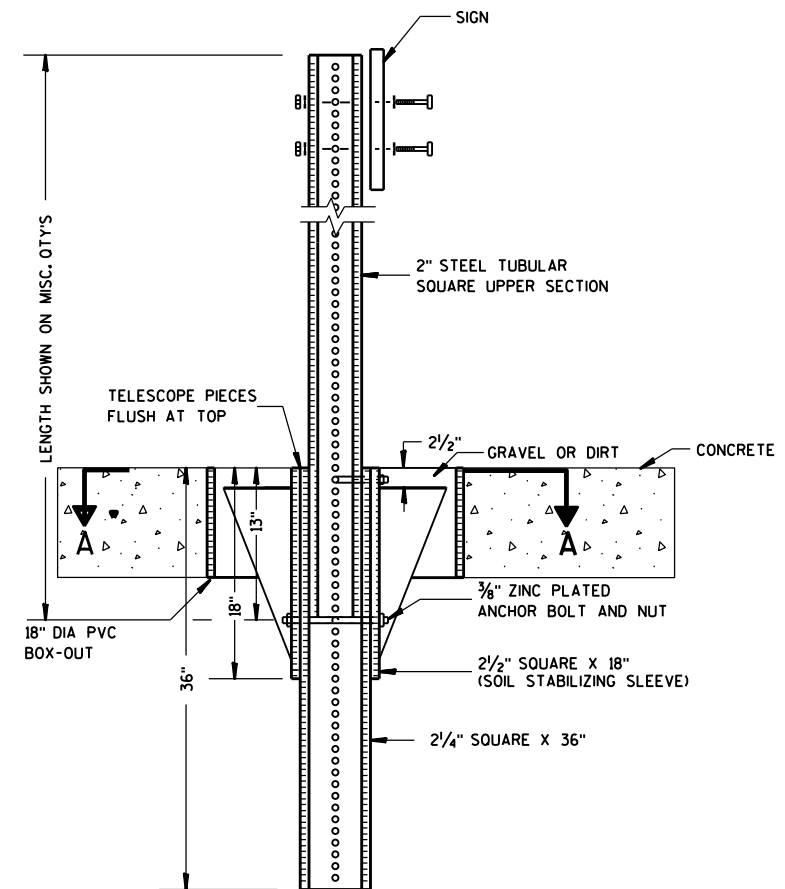
DATE 7/23/15 PLATE NO. A4-3.20



ELEVATION VIEW

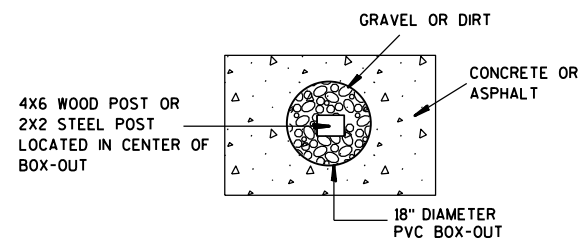
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- NOTES: 1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

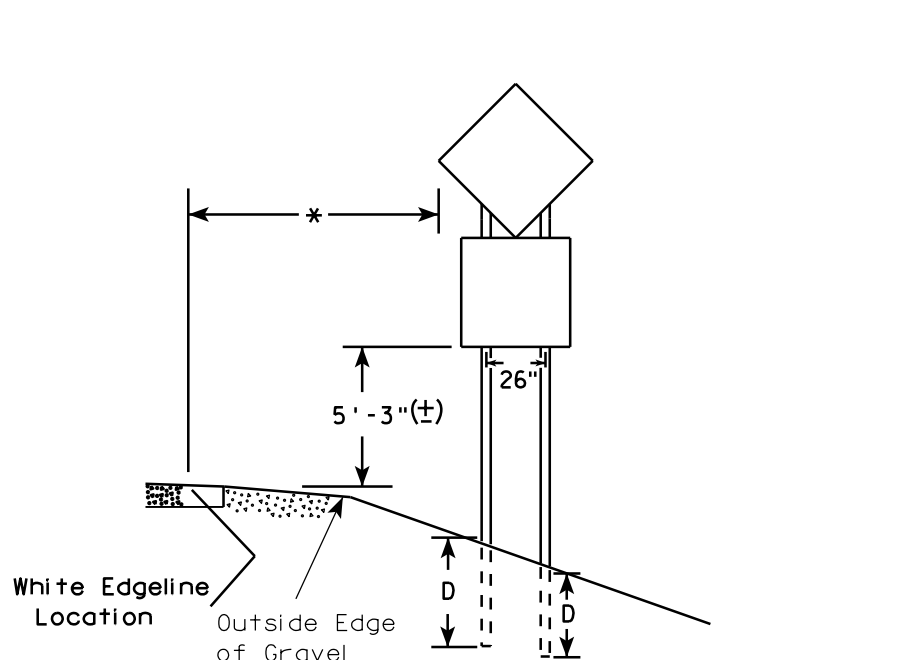
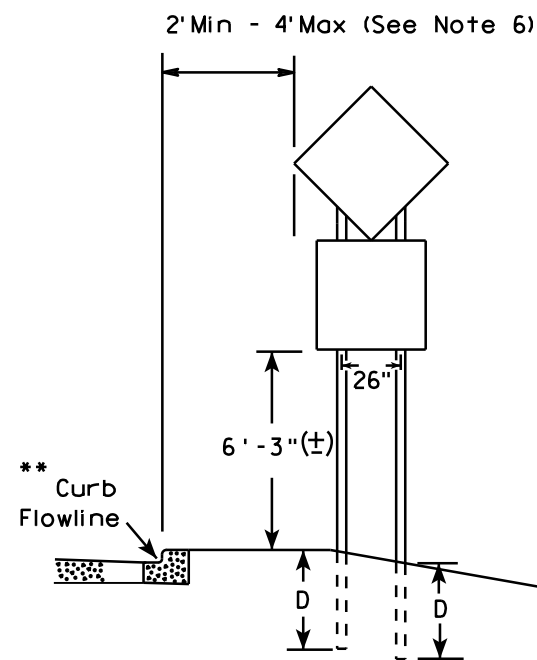
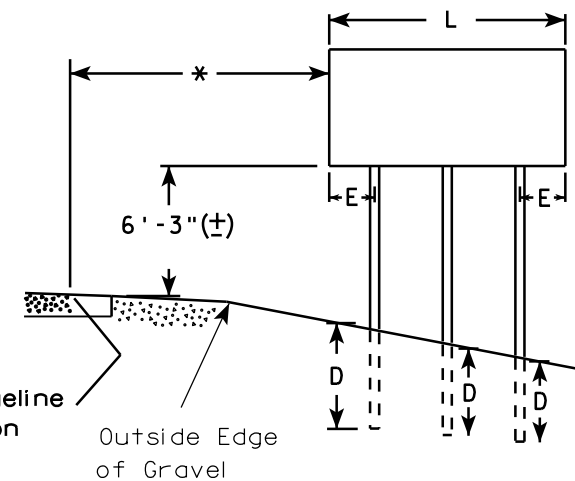
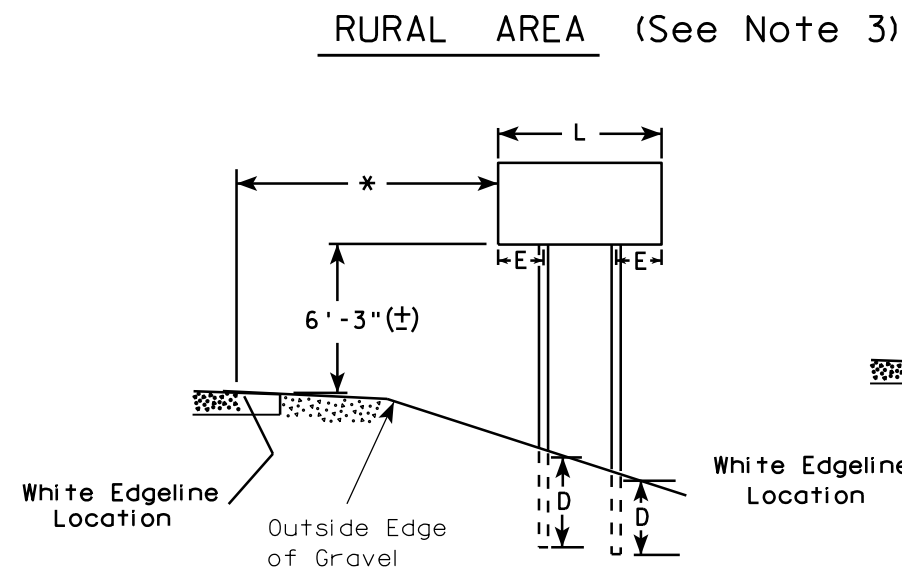
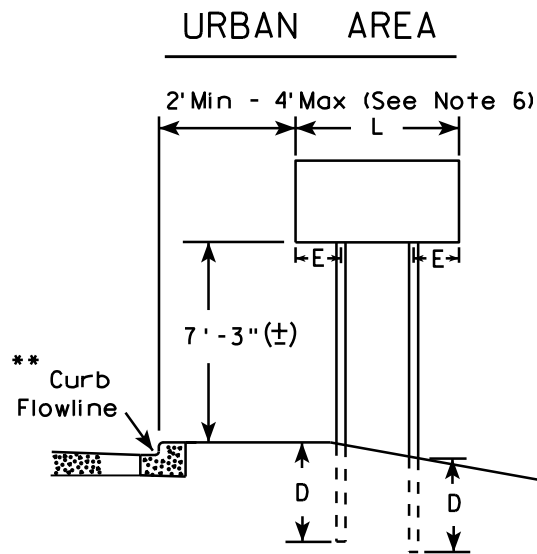
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



48" DIAMOND WARNING SIGN

48" DIAMOND WARNING SIGN

- GENERAL NOTES**
1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
 2. See tables below for required number of posts.
 3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
 4. The (±) tolerance for mounting height is 3 inches.
 5. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
 7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) 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 and less than 20 S.F. in area.

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

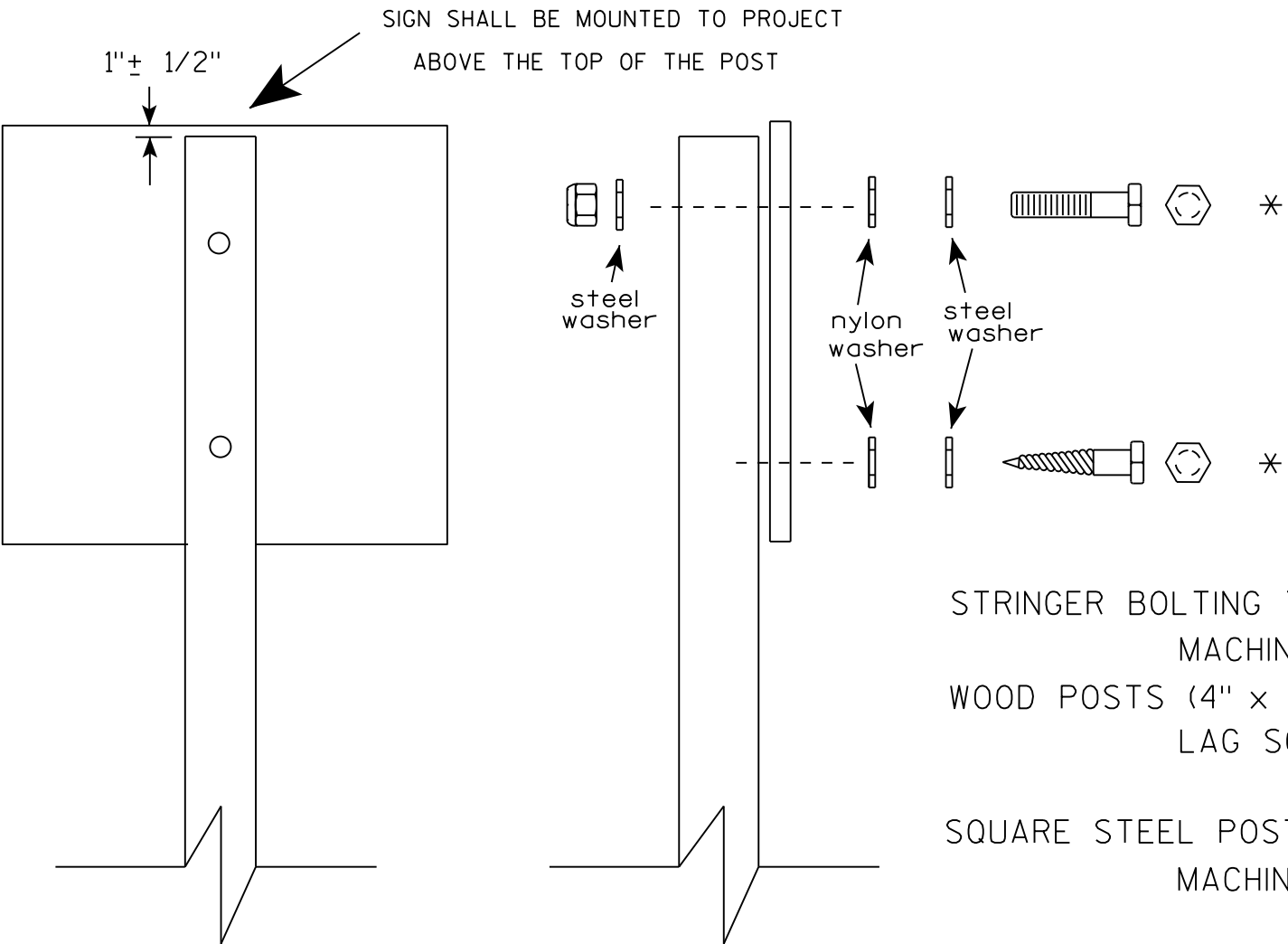
Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION
OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4.14



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.

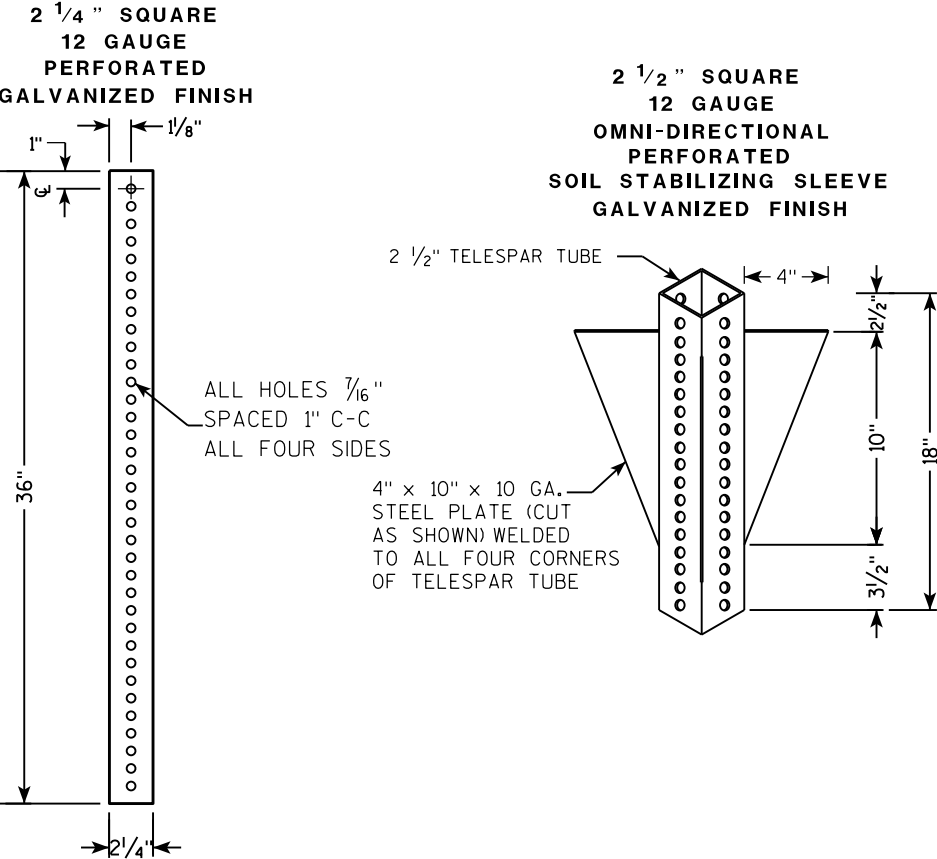
Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
- MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts
- WOOD POSTS (4" x 4" or 4" x 6")
- LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
 - 3/8" X 4" (STRINGERS ON BACK OF SIGN)
- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
 - 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
- 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

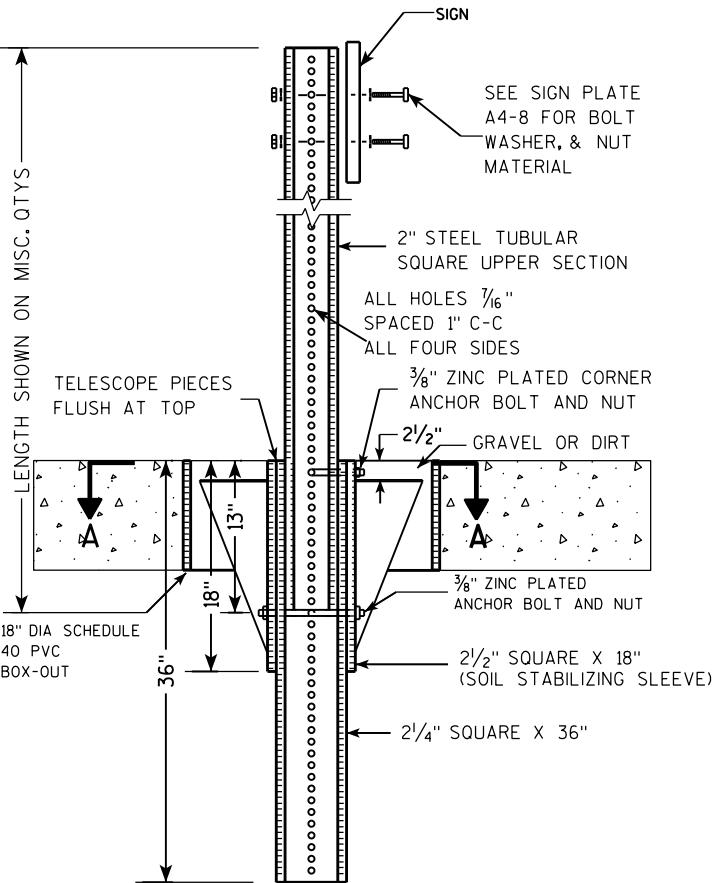
* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require 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 8/11/16	PLATE NO. A4-8.8

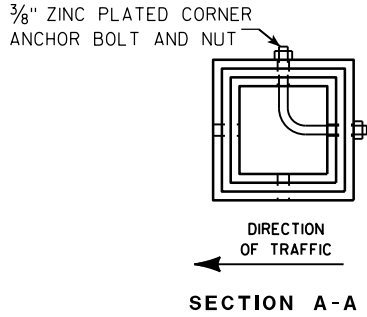
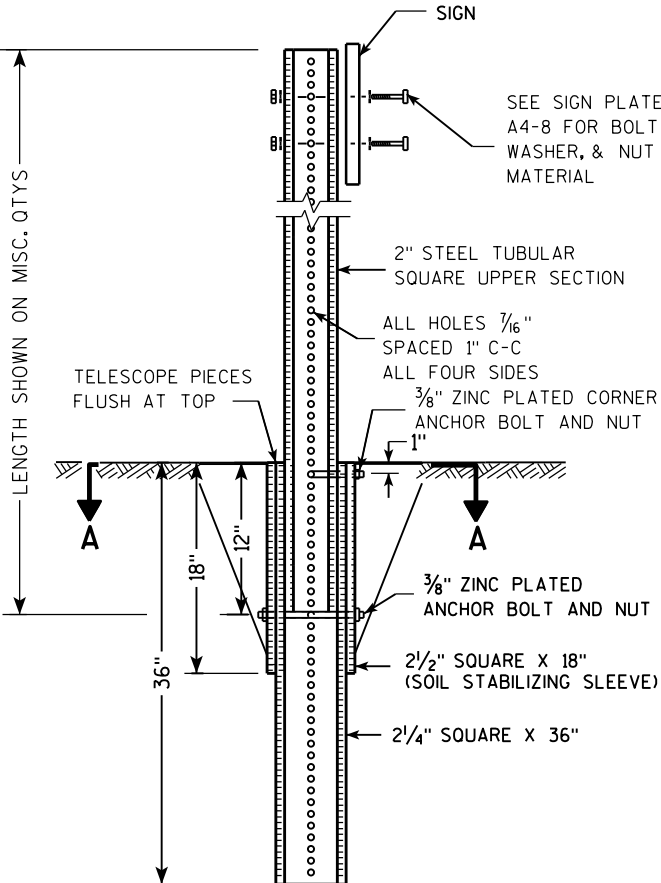
TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM



DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)



Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

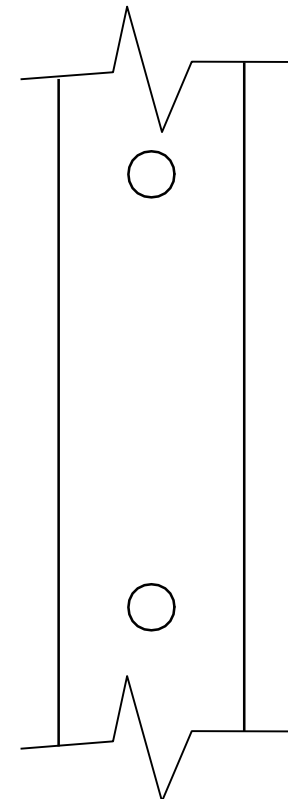
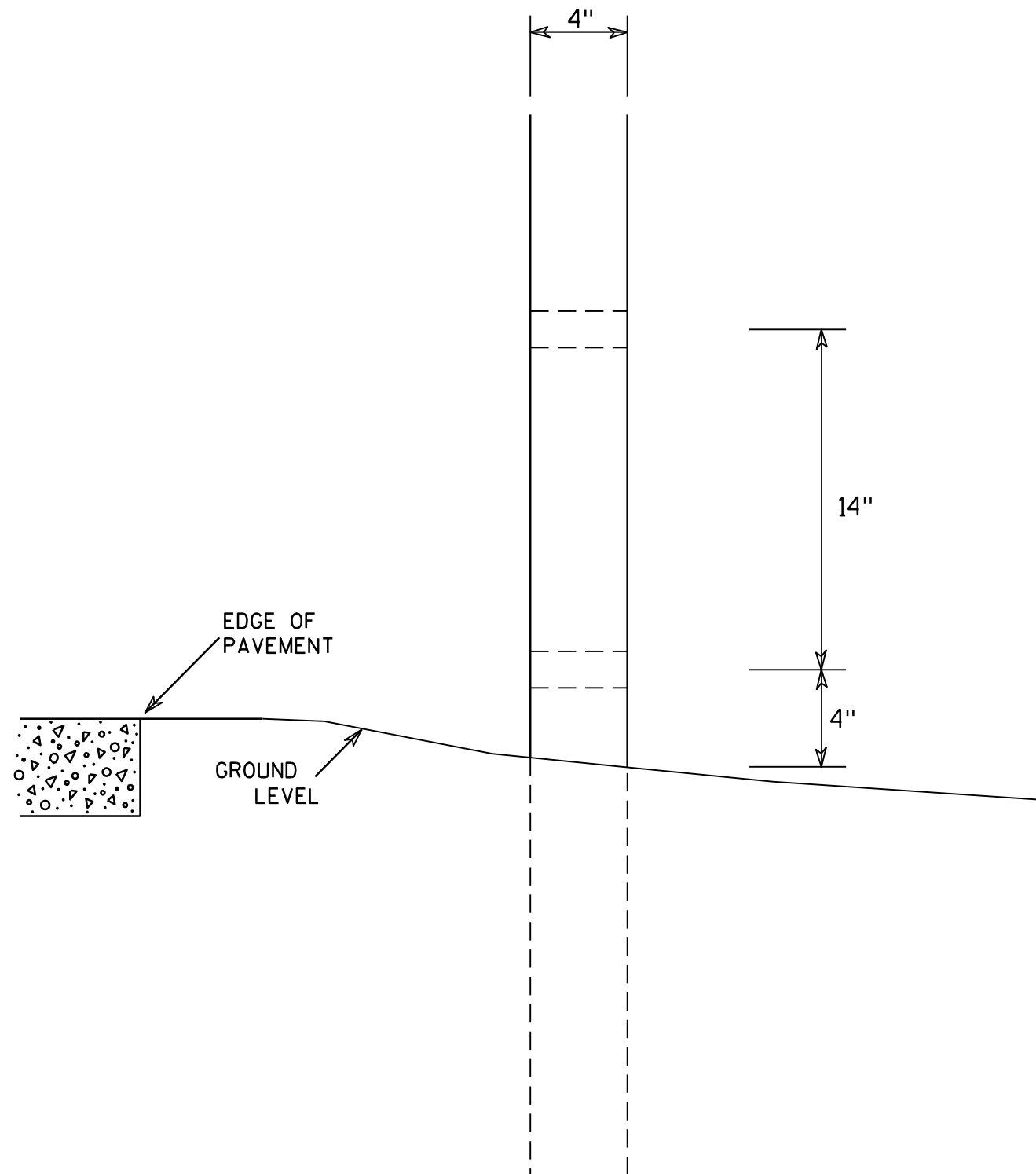
Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/05/15 PLATE NO. A4-9.9



SIDE VIEW

GENERAL NOTES

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

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 3/27/97

PLATE NO. A4-11.2

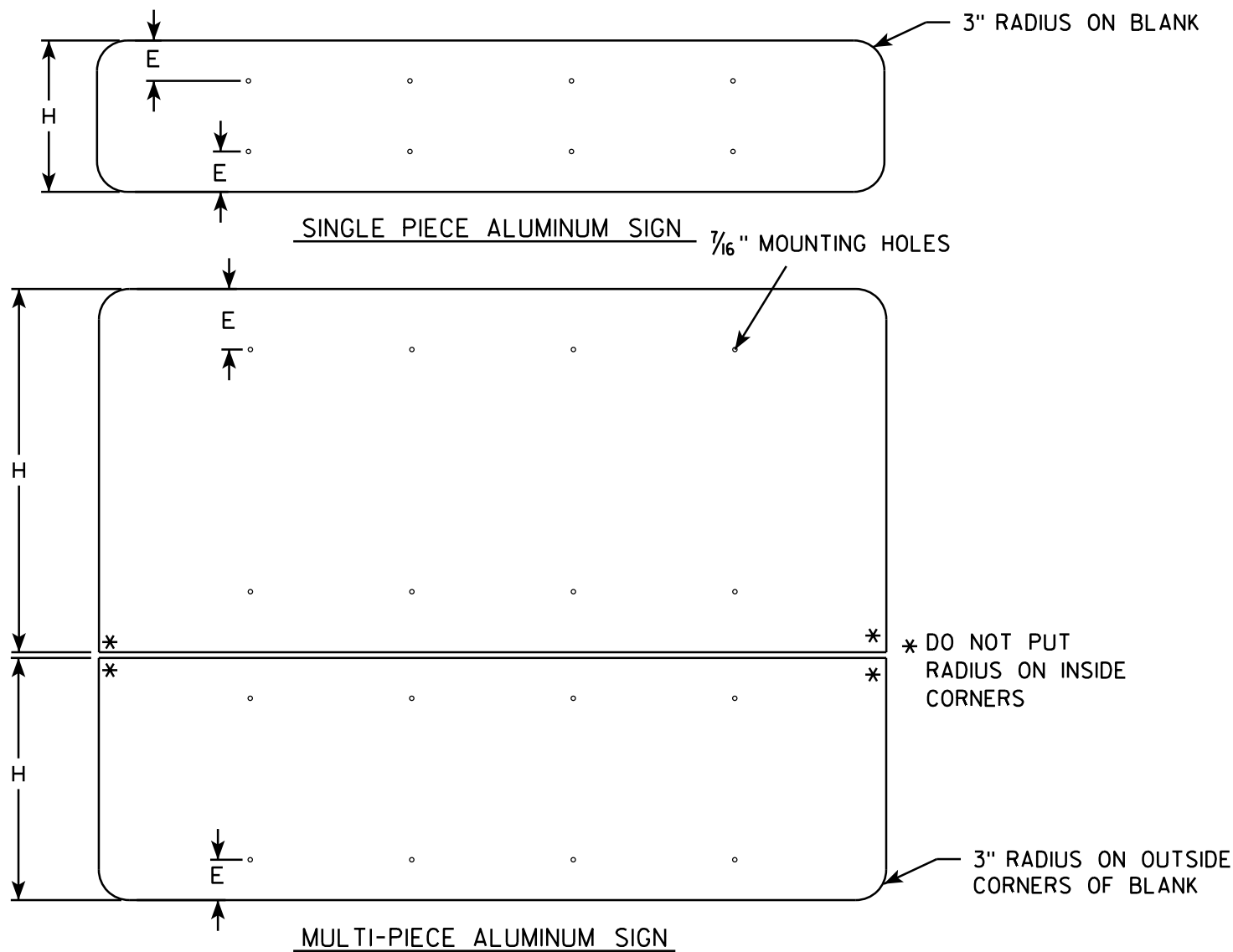
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

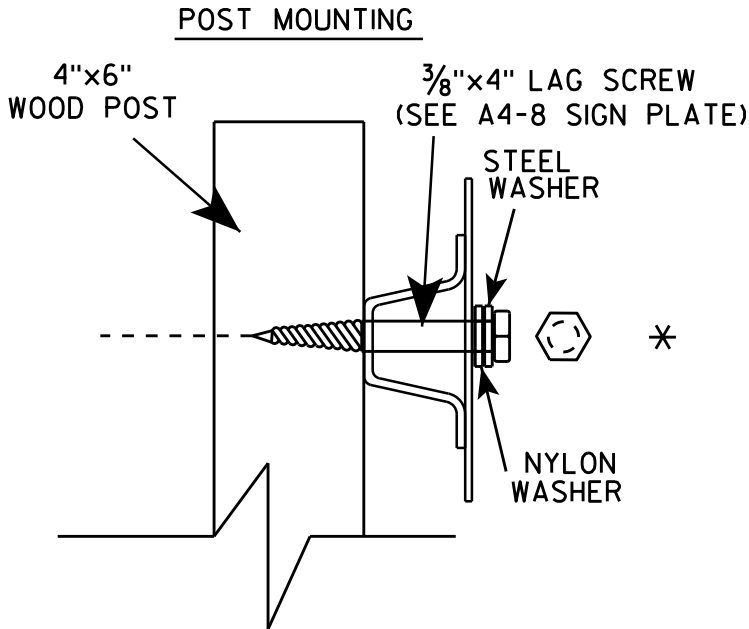
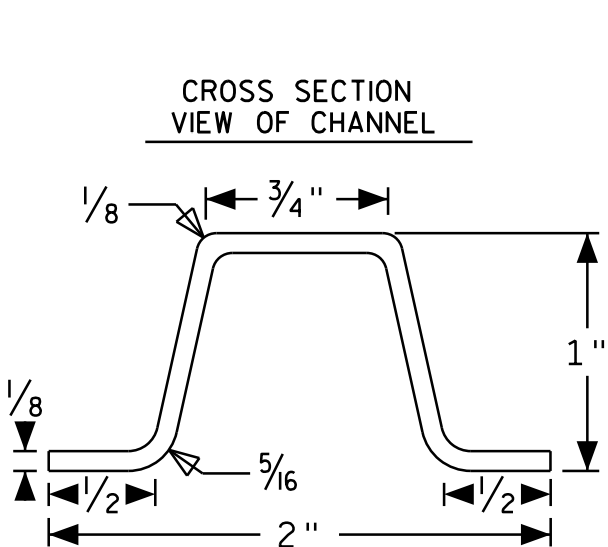
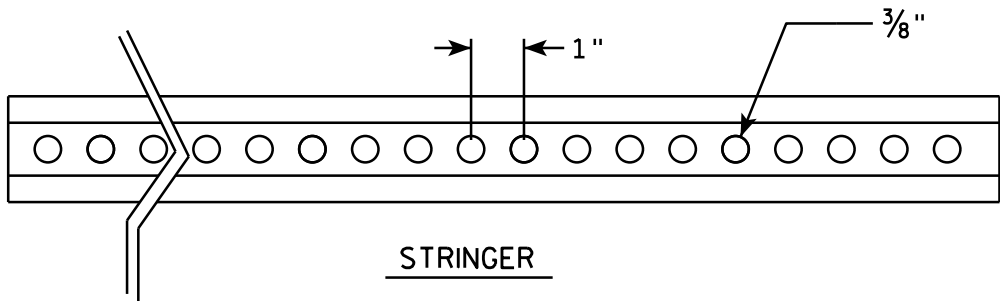
E



GENERAL NOTES

- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES			
78"	72"	2	16"	15"	31"	47"	63"
84"	72"	2	17"	16 1/2"	33 1/2"	50 1/2"	67 1/2"
90"	72"	2	18"	18"	36"	54"	72"
96"	90"	2	19"	19 1/2"	38 1/2"	57 1/2"	76 1/2"
102"	90"	2	20"	21"	41"	61"	81"
108"	90"	2	21"	22 1/2"	43 1/2"	64 1/2"	85 1/2"
114"	108"	3	15"	12"	27"	42"	57" 72" 87" 102"
120"	108"	3	16"	12"	28"	44"	60" 76" 92" 108"
126"	108"	3	17"	12"	29"	46"	63" 80" 97" 114"
132"	126"	3	18"	12"	30"	48"	66" 84" 102" 120"
138"	126"	3	19"	12"	31"	50"	69" 88" 107" 126"
144"	126"	3	20"	12"	32"	52"	72" 92" 112" 132"



SIGN STRINGER
MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

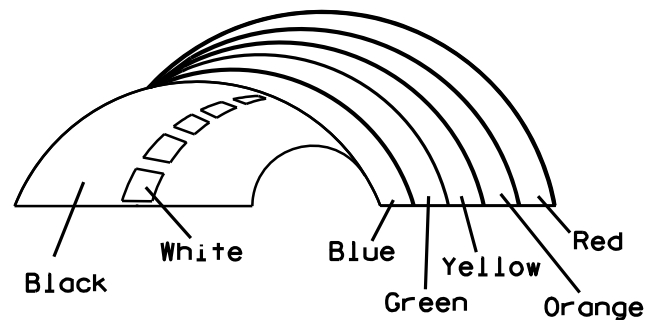
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/26/16 PLATE NO. A4-18.1



* VARIES

Background Colors of Symbol*



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

NOTES

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

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

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

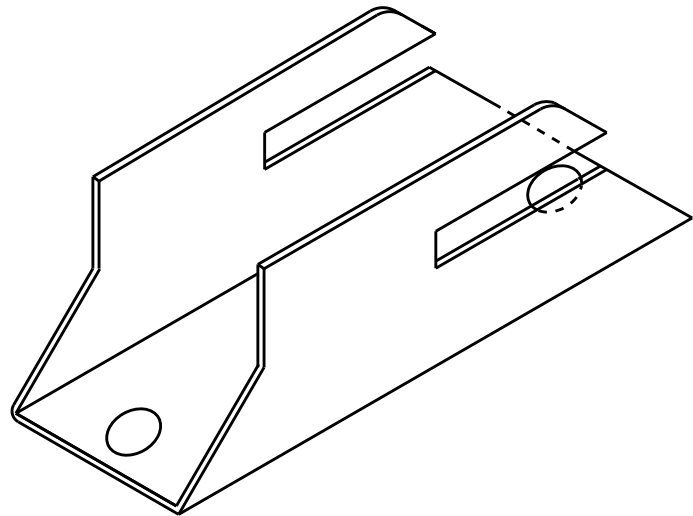
STANDARD SIGN
I55-56

WISCONSIN DEPT OF TRANSPORTATION

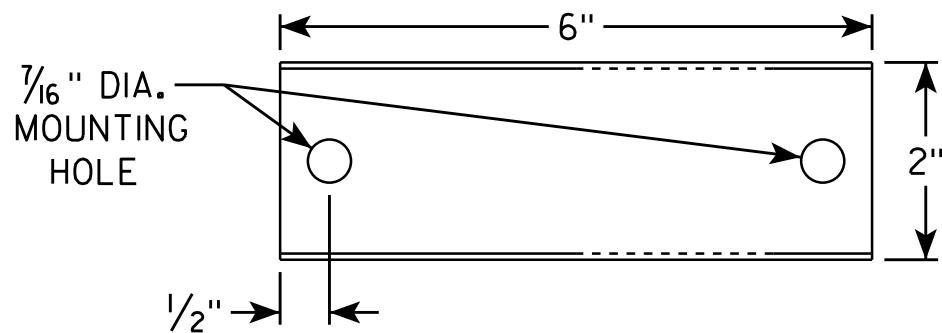
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

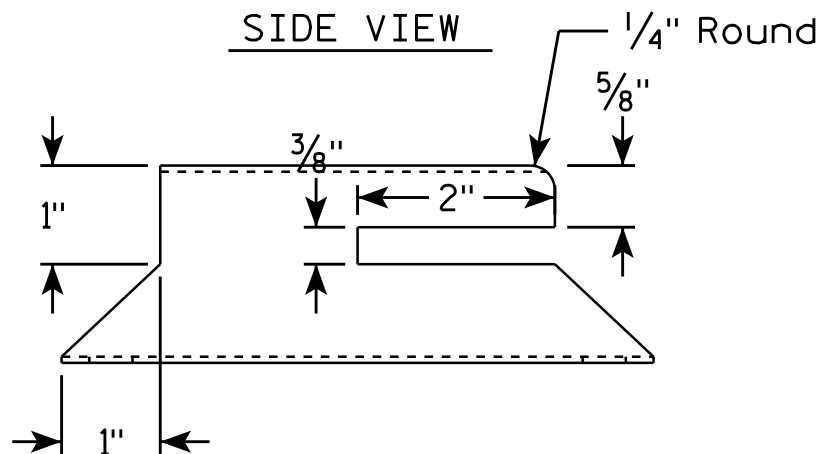
ISOMETRIC VIEW



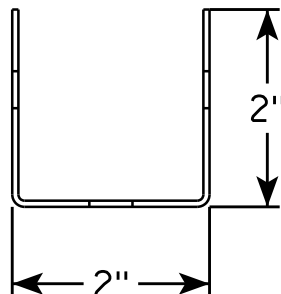
TOP VIEW



SIDE VIEW



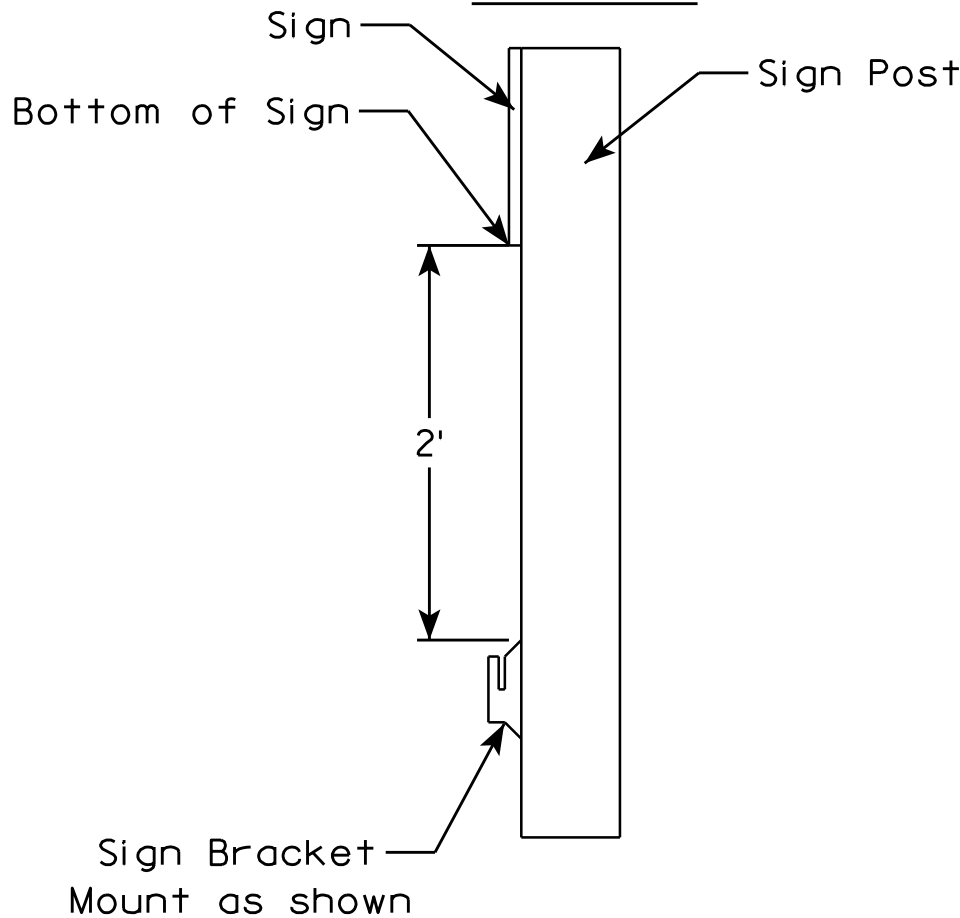
END VIEW



NOTES

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

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/26/16 PLATE NO. I55-56B.2

PROJECT NO:

HWY:

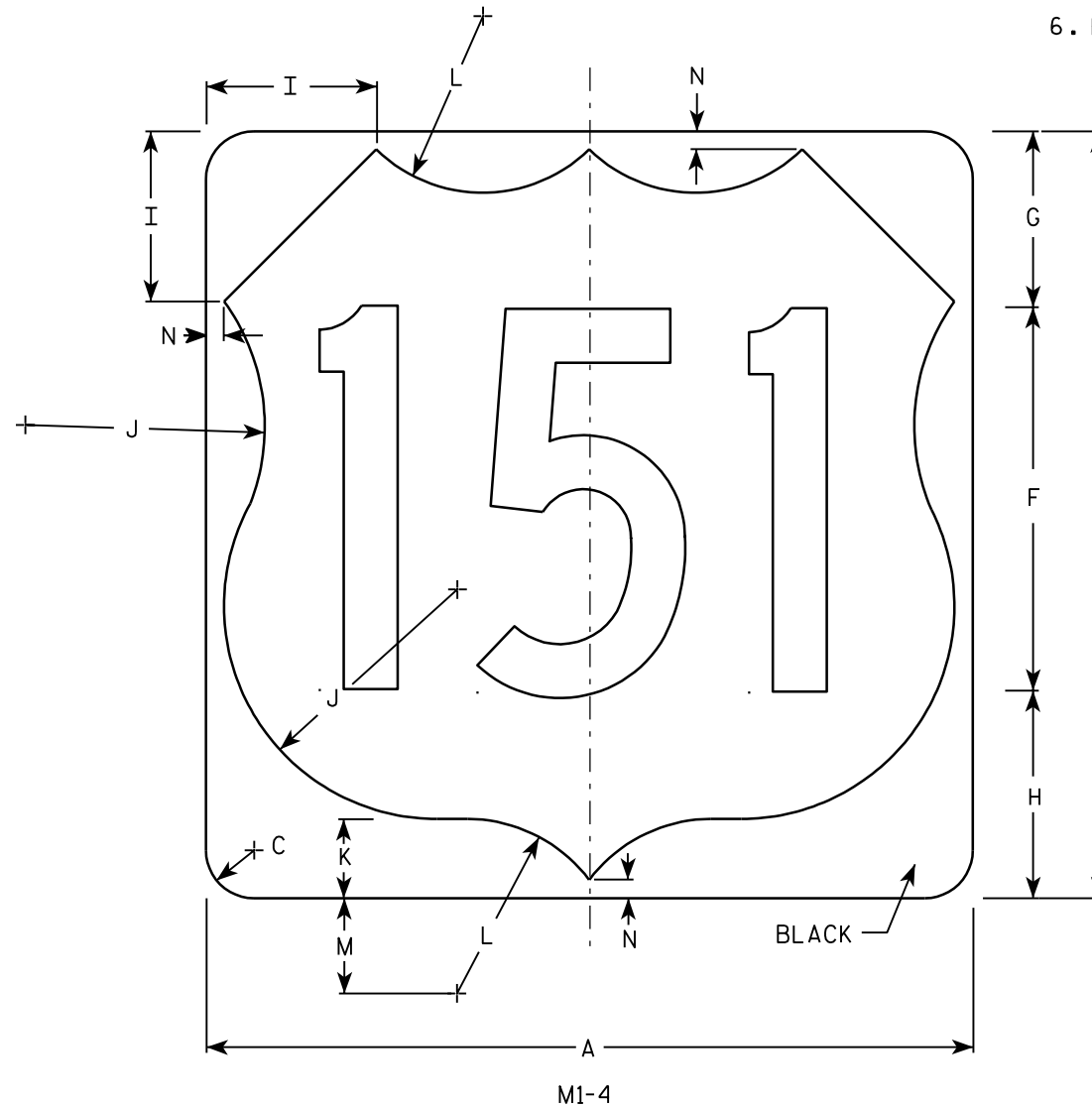
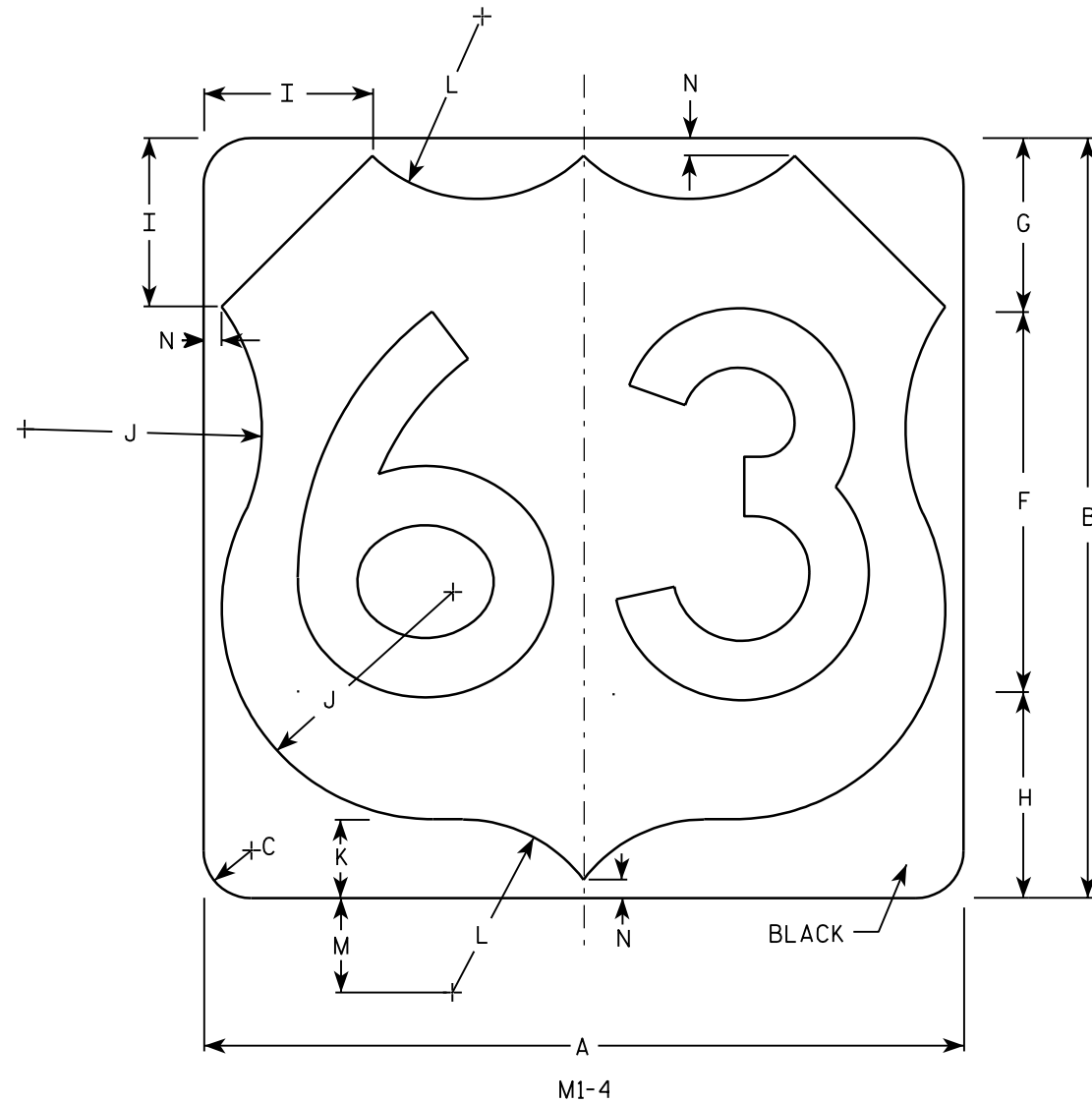
COUNTY:

SHEET NO:

E

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



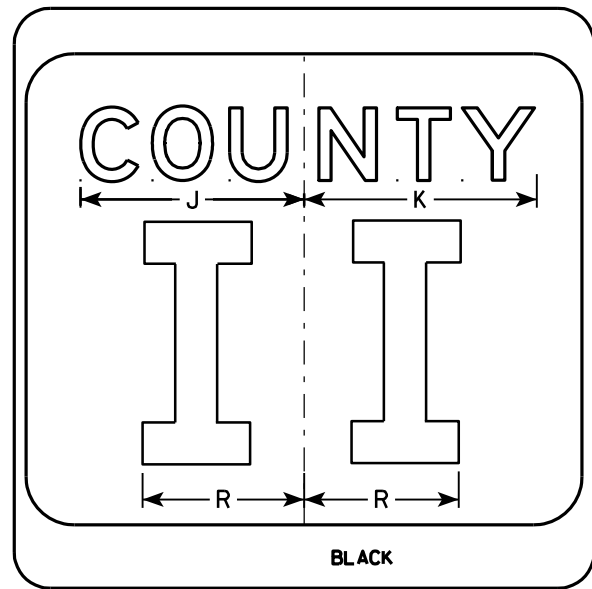
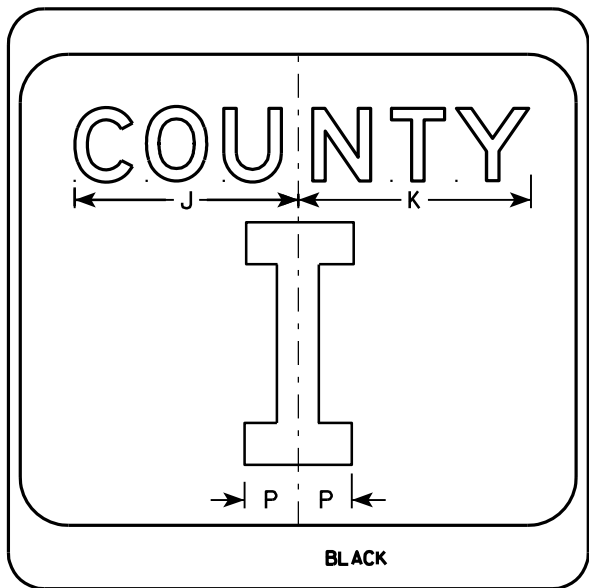
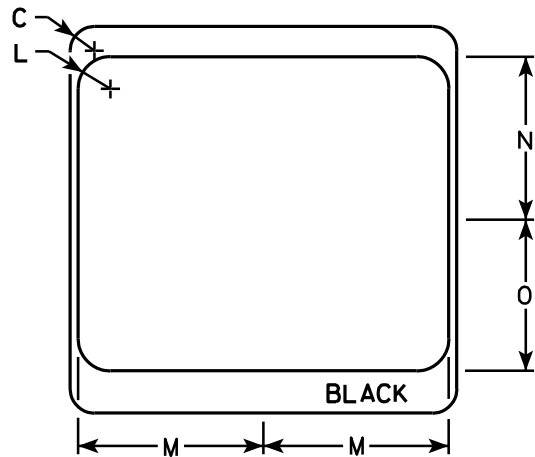
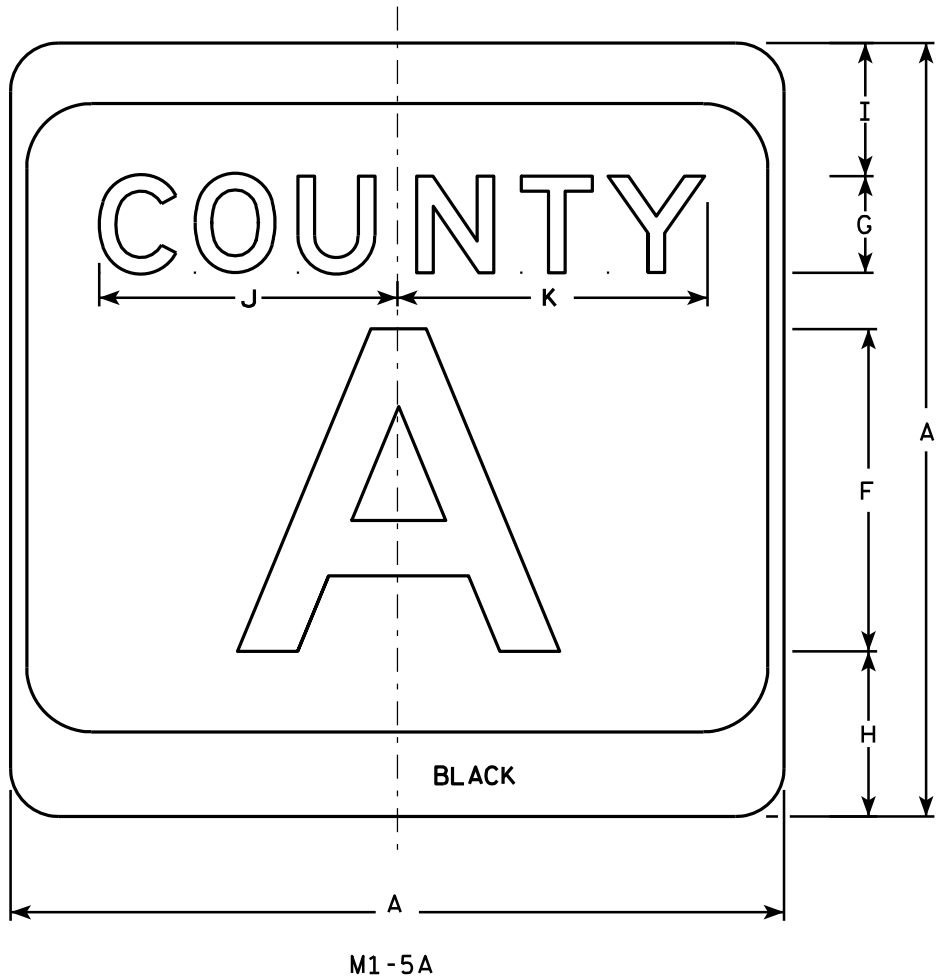
Metric equivalent
for this sign is:

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.	Area 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

7



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
-------------	------	---------	-----------	---

CTH MARKER

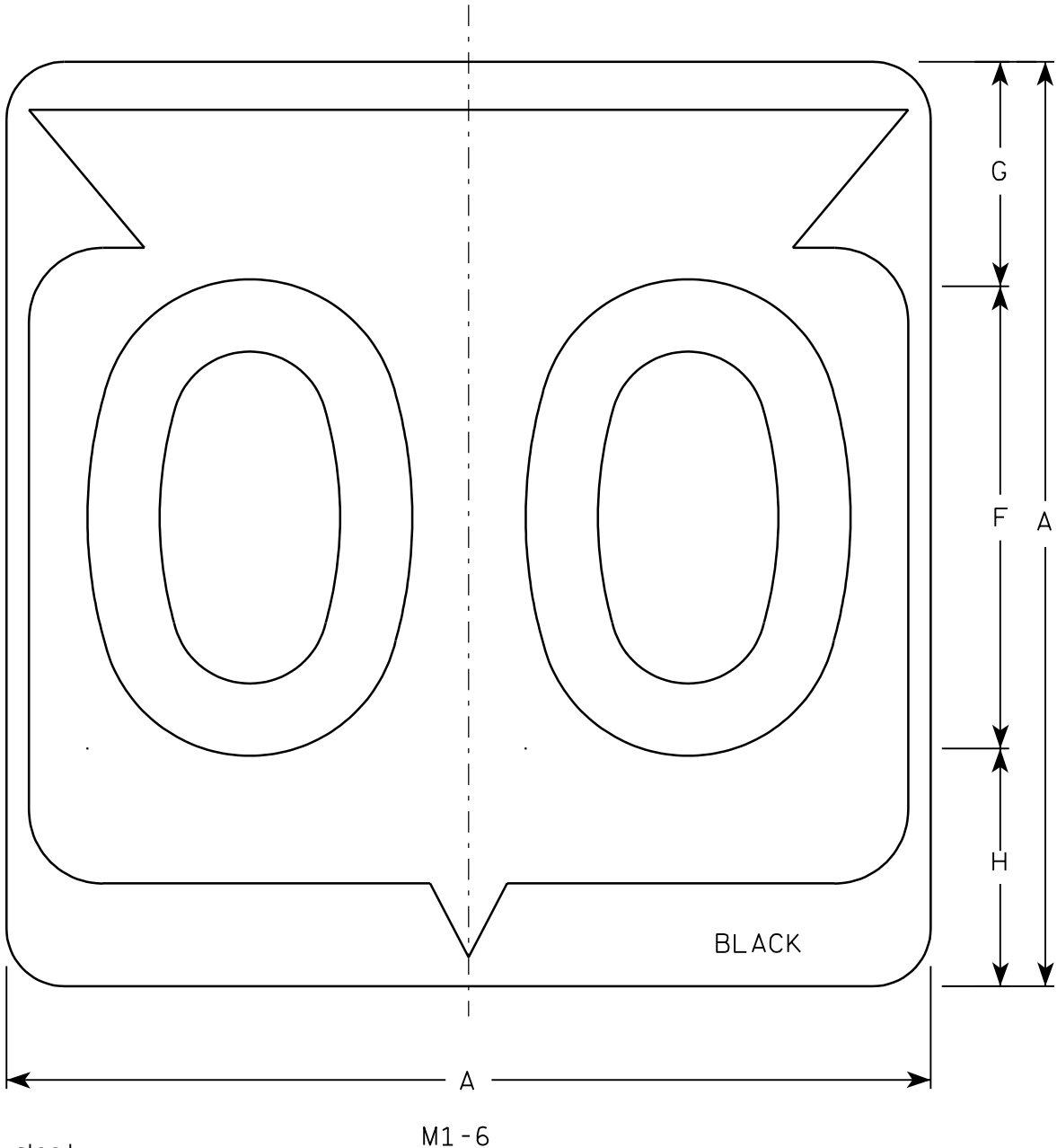
M1-5A FOR ASSEMBLIES

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:

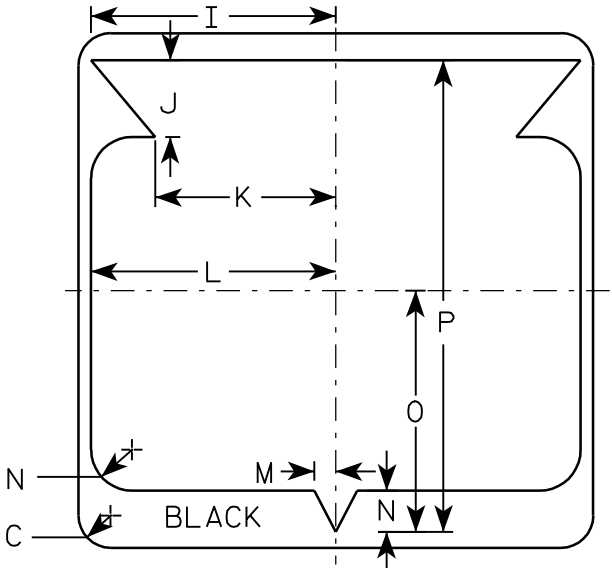
SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

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

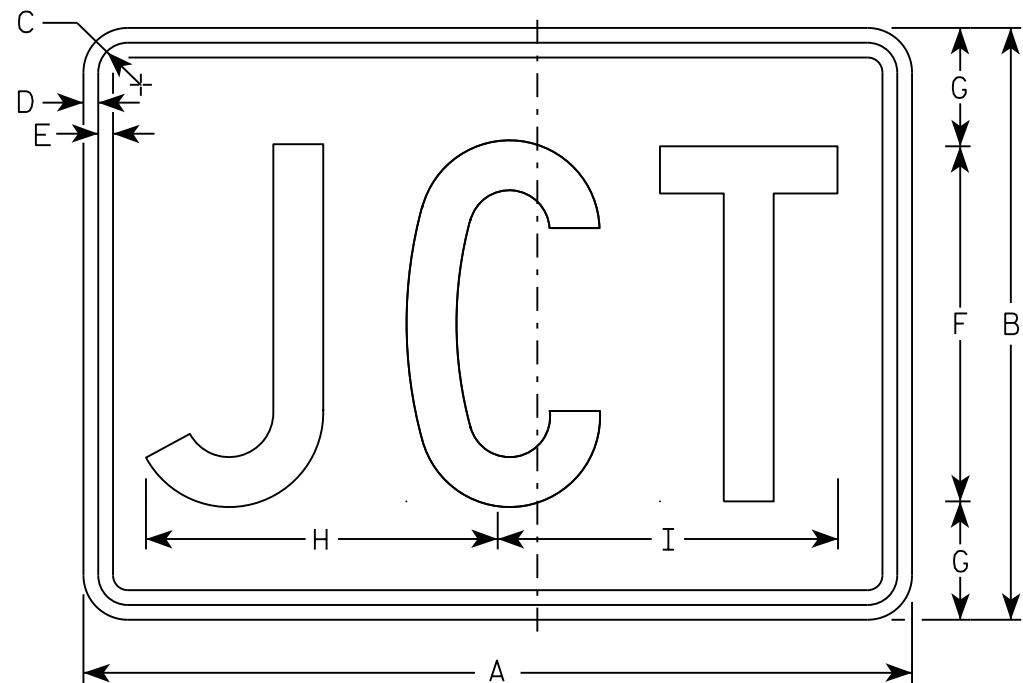
PROJECT NO:				HWY:				COUNTY:																SHEET NO:				E
-------------	--	--	--	------	--	--	--	---------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	-----------	--	--	--	---

NOTES

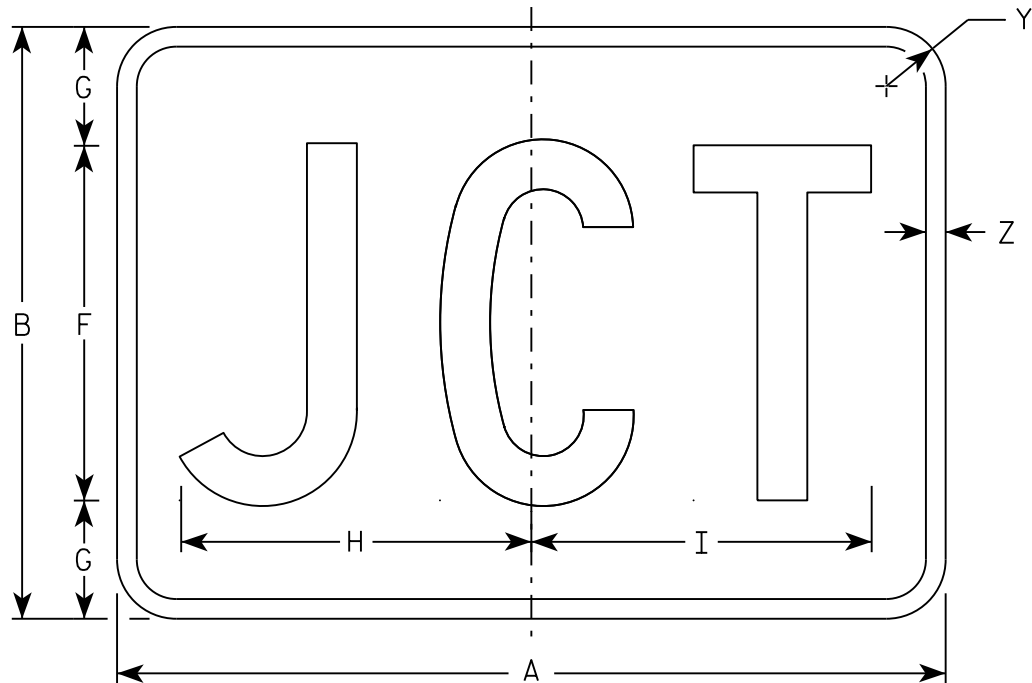
- 1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - White & Black - See Note 6
Message - Black
- 3. Message Series - See note 5
- 4. Corners may be square or rounded when base material is plywood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



7



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

- 1. Sign is Type II - Type H
- 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
 Message - Black
 MB2-1 Background - Blue
 Message - White
 MK2-1 Background - Green
 Message - White
 MM2-1 Background - White
 Message - Green
 MN2-1 Background - Brown
 Message - White
 MP2-1 Background - White
 Message - Blue
 MR2-1 Background - Brown
 Message - Yellow

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	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
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
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
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

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

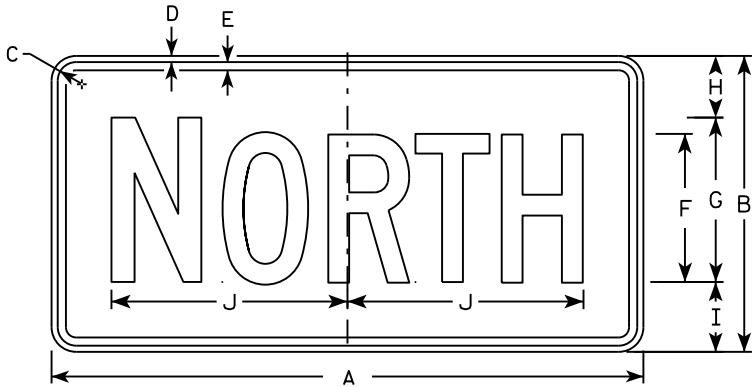
APPROVED

Matthew R. Rauch

For State Traffic Engineer

DATE 10/15/15

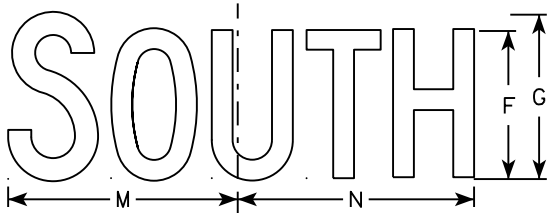
PLATE NO. M2-1.12



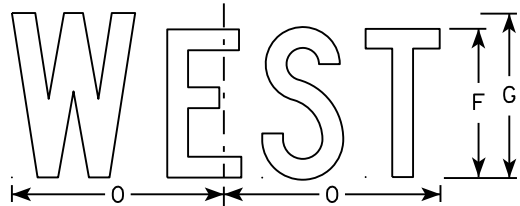
M3-1
MM3-1
MP3-1



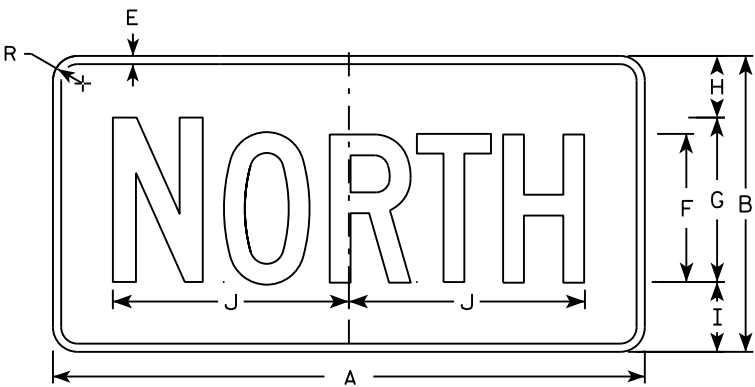
M3-2
MM3-2
MP3-2



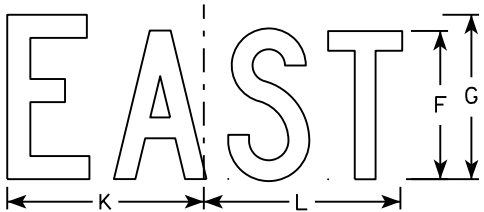
M3-3
MM3-3
MP3-3



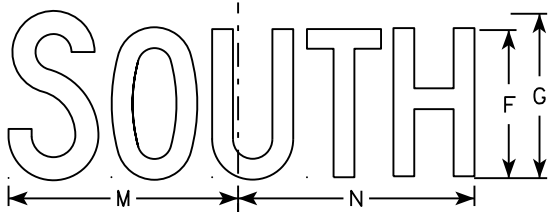
M3-4
MM3-4
MP3-4



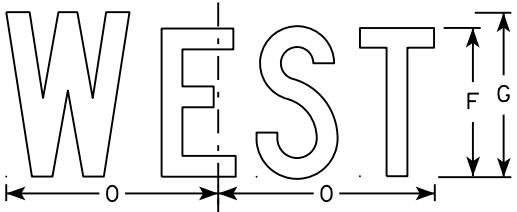
MB3-1
MK3-1
MN3-1



MB3-2
MK3-2
MN3-2



MB3-3
MK3-3
MN3-3



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
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
Message - Black
MB3-1 thru MB3-4 Background - Blue
Message - White
MK3-1 thru MK3-4 Background - Green
Message - White
MM3-1 thru MM3-4 Background - White
Message - Green
MN3-1 thru MN3-4 Background - Brown
Message - White
MP3-1 thru MP3-4 Background - White
Message - Blue
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

STANDARD SIGNS
M3-1 thru M3-4
SERIES

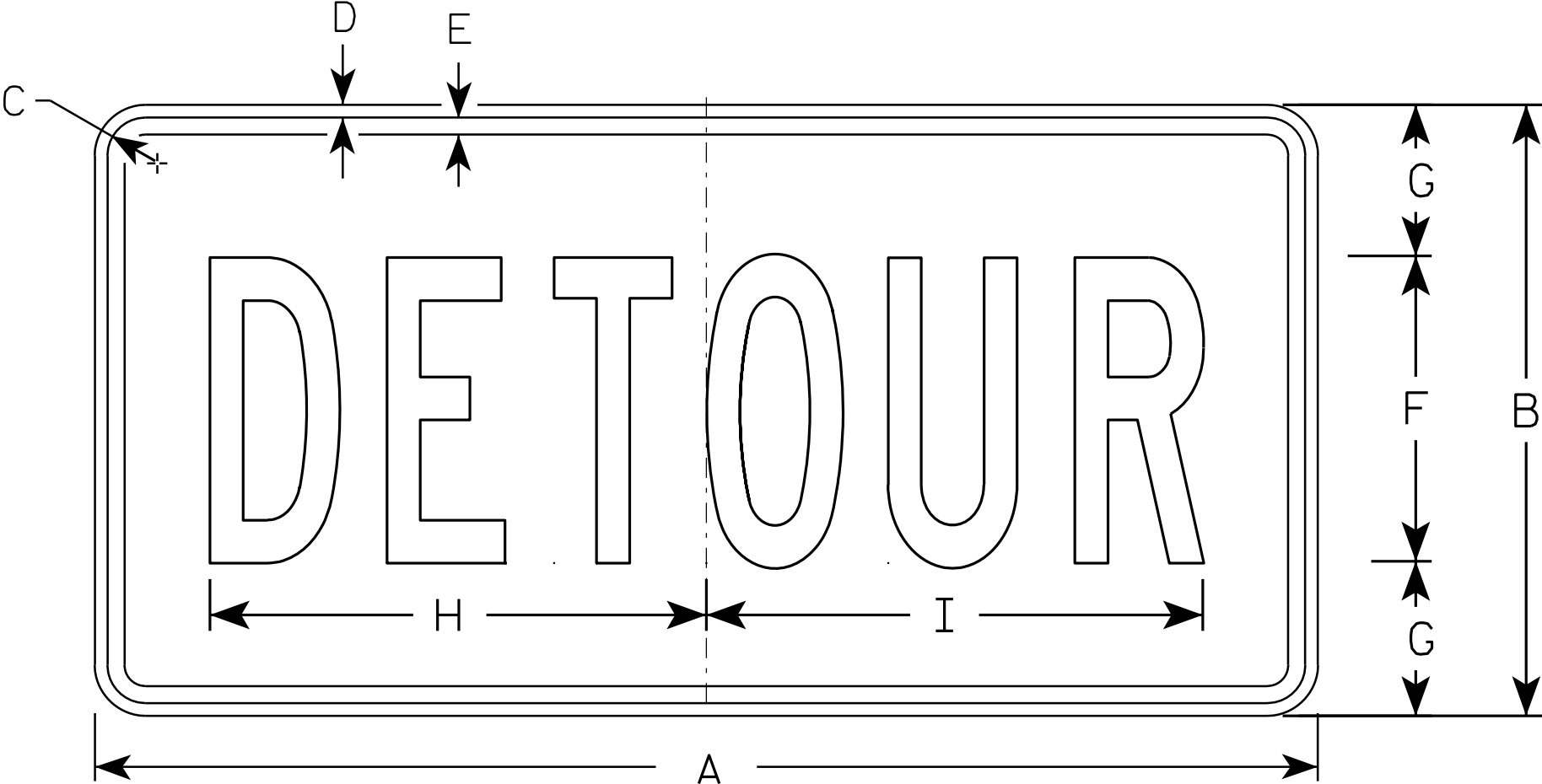
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M3-1.14

NOTES

- 1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
 - Background - Orange
 - 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.



M4 - 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																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

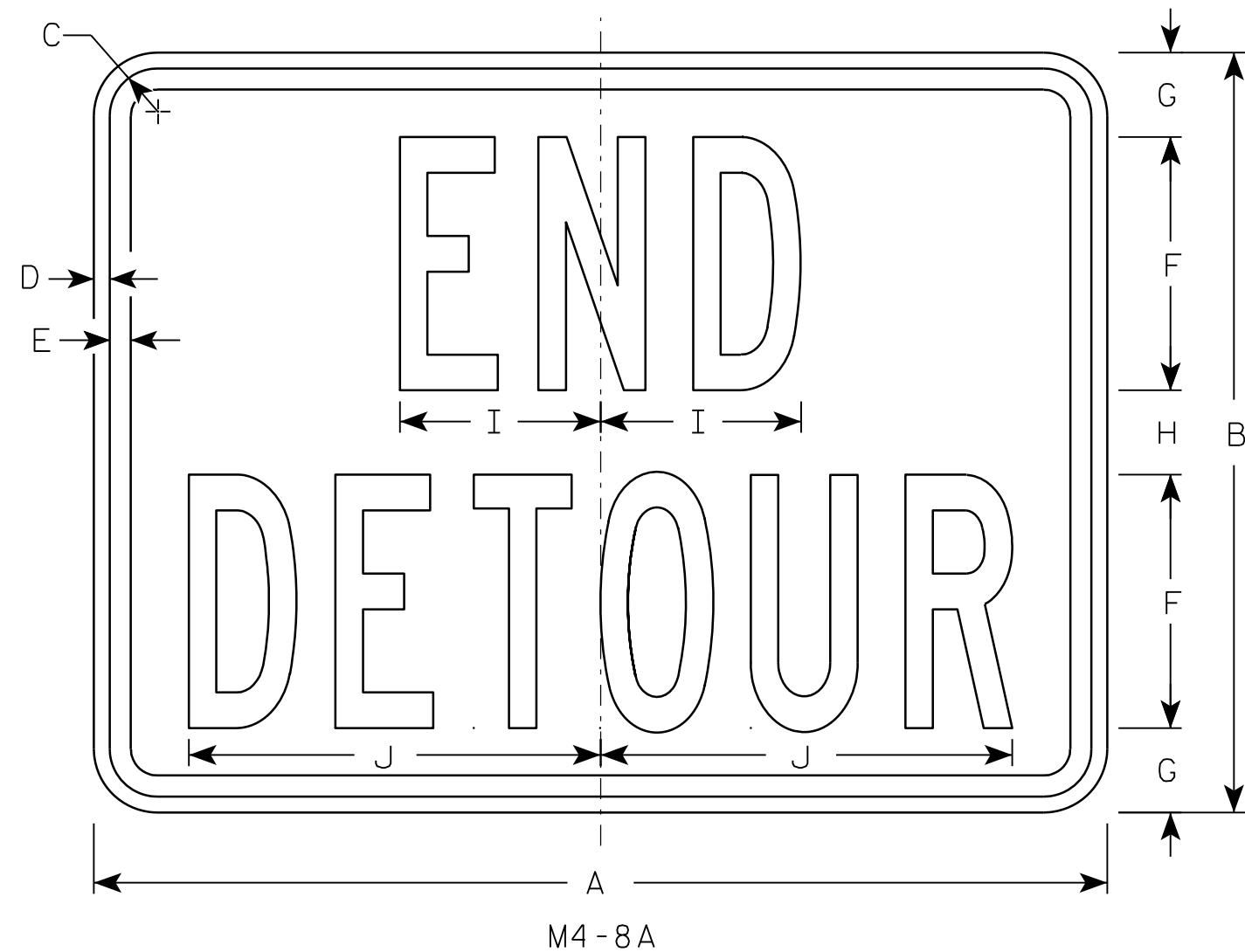
STANDARD SIGN
M4 - 8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

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 - Orange
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.

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																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

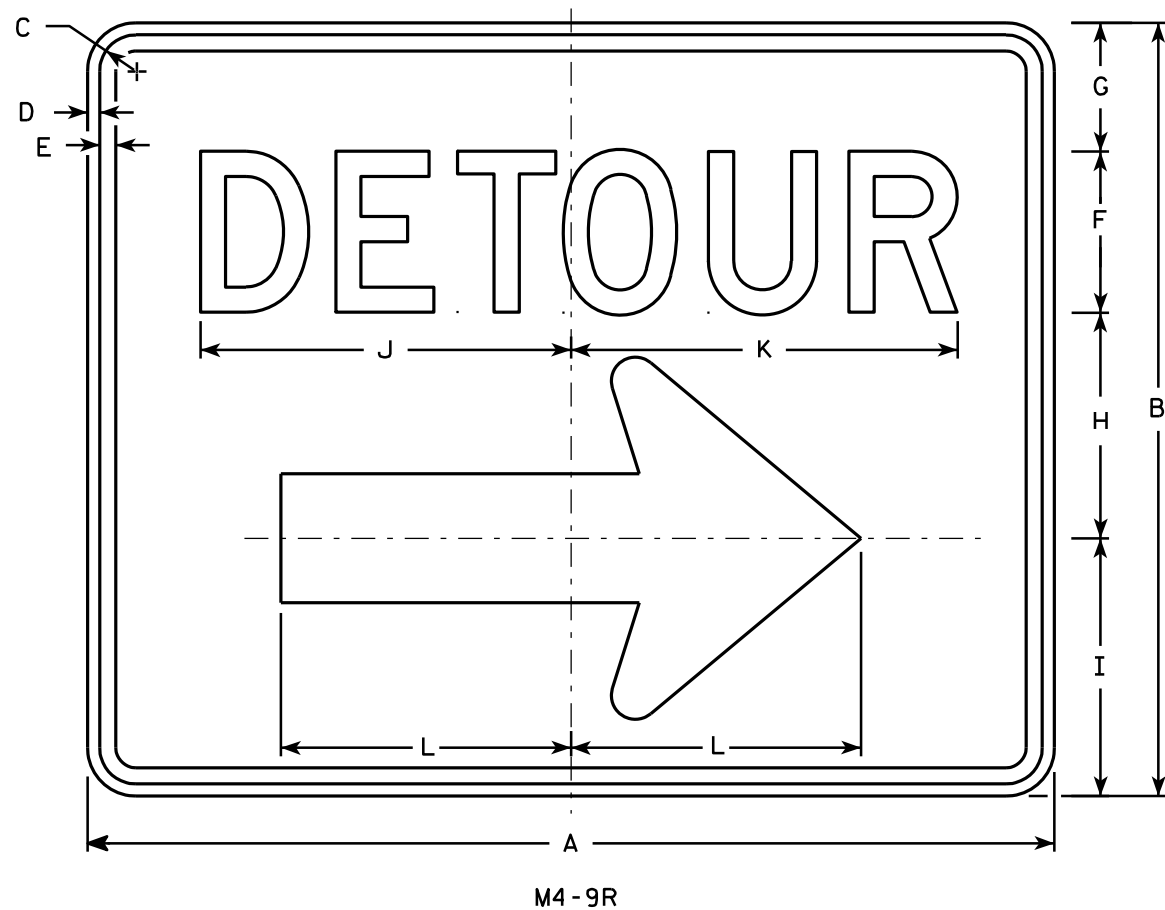
PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
-------------	------	---------	-----------	---

STANDARD SIGN
M4-8A

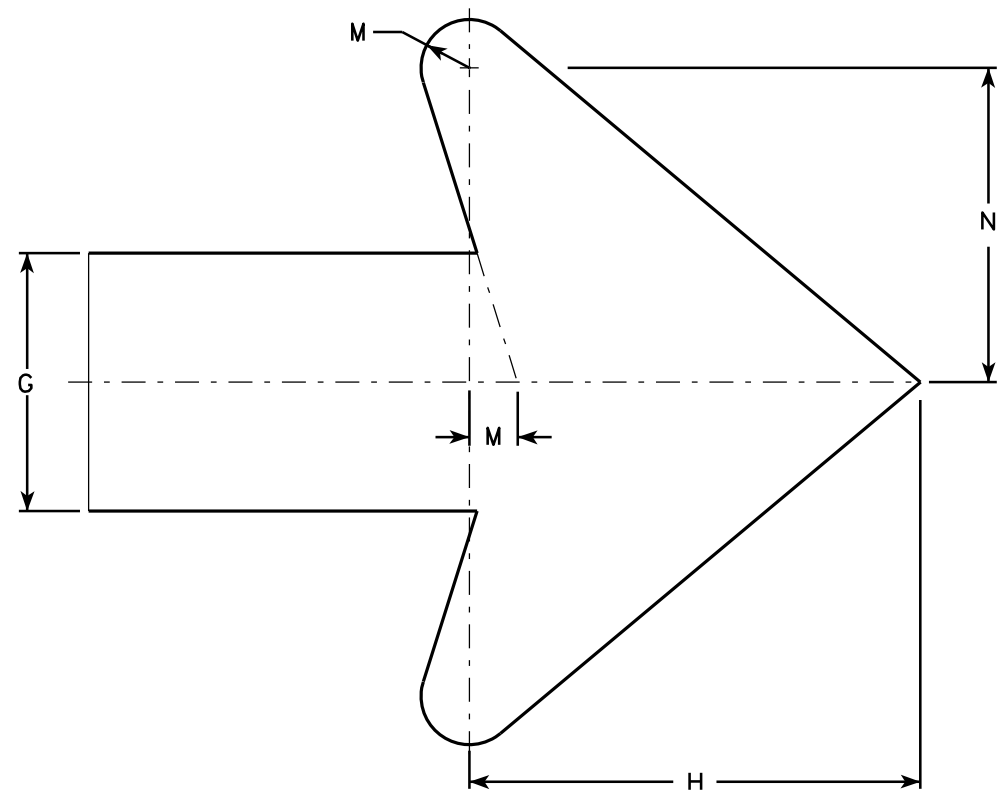
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2



- NOTES**
1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
 2. Color:
Background - Orange
Message - Black
 3. Message Series - D
 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
 5. M4-9L is the same as M4-9R except the arrow is reversed.



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																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

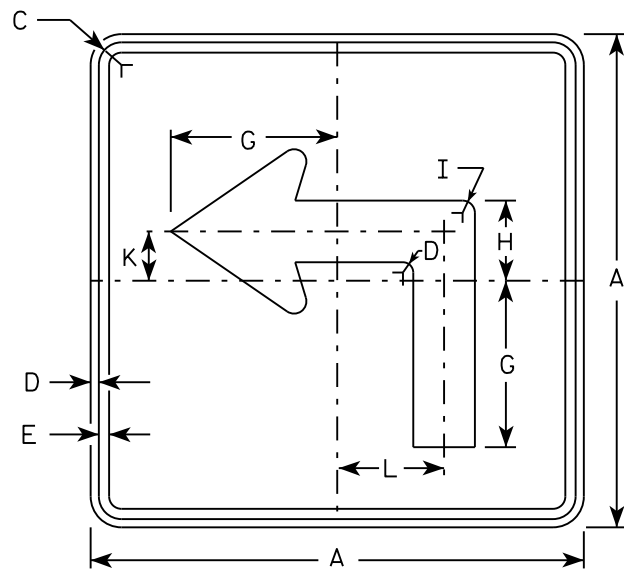
PROJECT NO:

HWY:

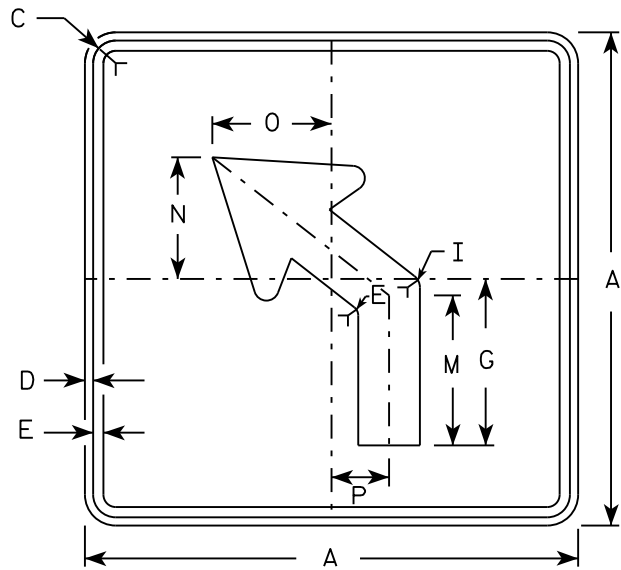
COUNTY:

SHEET NO:

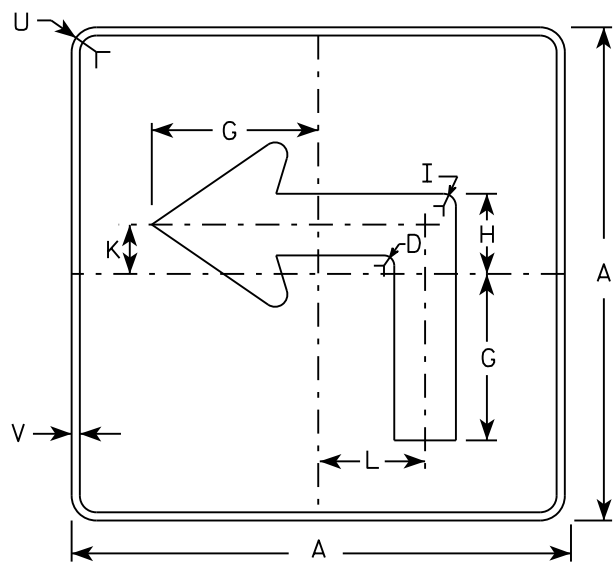
E



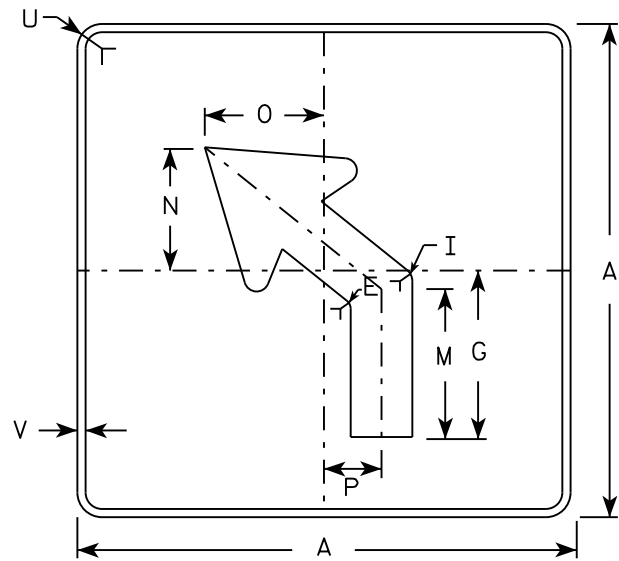
M5-1L
MM5-1L
M05-1L
MP5-1L



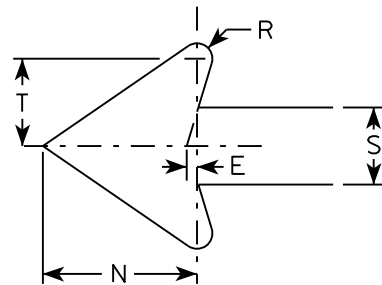
M5-2L
MM5-2L
M05-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

- Signs are Type II - Type H reflective except as shown
- 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 |
| | Message - Black |
| MB5-1 and MB5-2 | Background - Blue |
| | Message - White |
| MK5-1 and MK5-2 | Background - Green |
| | Message - White |
| MM5-1 and MM5-2 | Background - White |
| | Message - Green |
| MN5-1 and MN5-2 | Background - Brown |
| | Message - White |
| M05-1 and M05-2 | Background - Orange - Type F Reflective |
| | Message - Black |
| MP5-1 and MP5-2 | Background - White - Type H Reflective |
| | Message - Blue |
| MR5-1 and MR5-2 | Background - Brown |
| | Message - Yellow |
- M5-1R same as M5-1L except arrow points right.
- M5-2R same as M5-2L except arrow tilts right.

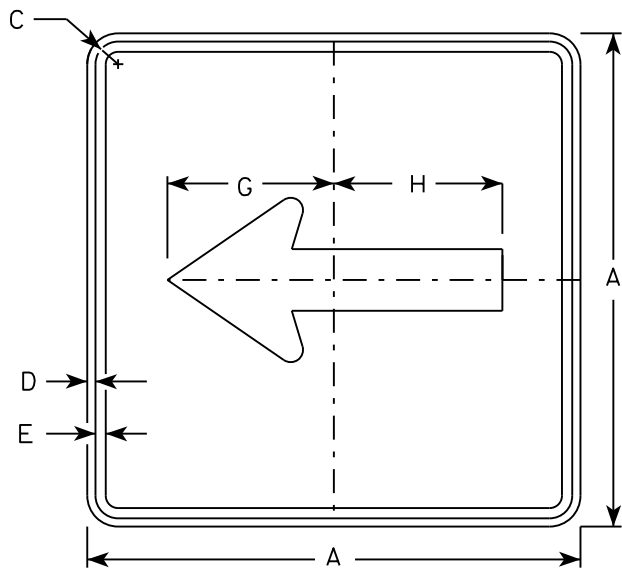
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
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
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

STANDARD SIGN
M5-1 & M5-2

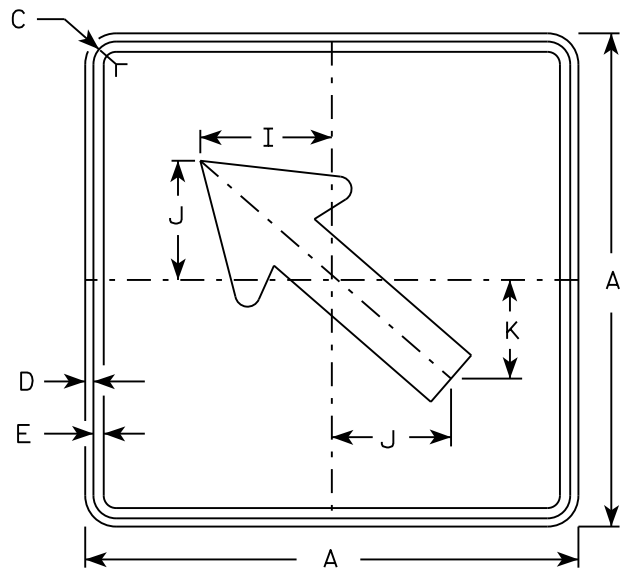
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

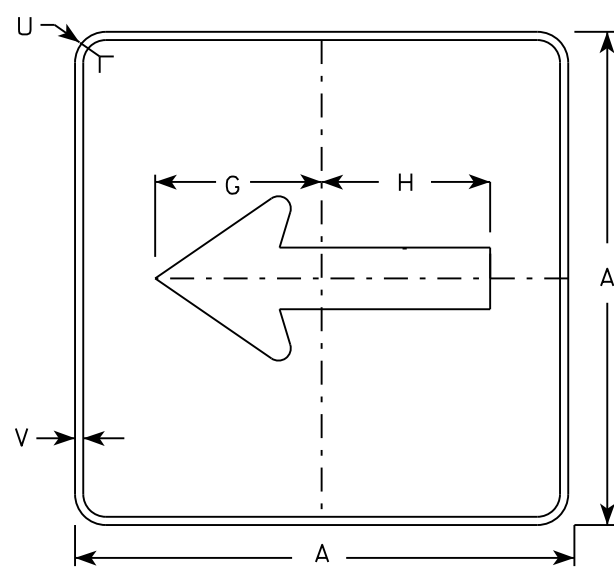
DATE 10/15/15 PLATE NO. M5-1.13



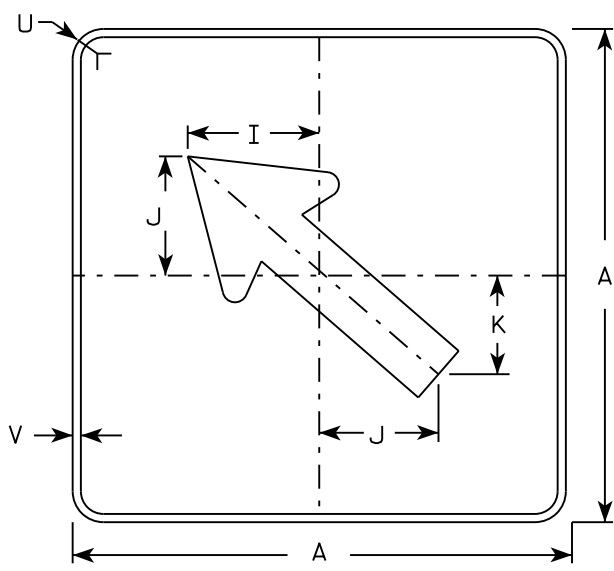
M6 - 1
MM6 - 1
M06 - 1
MP6 - 1



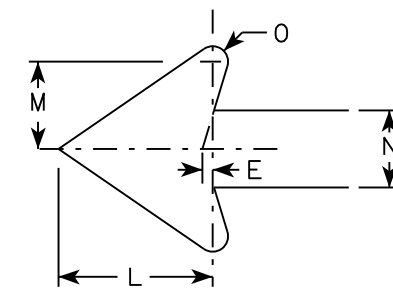
M6 - 2
MM6 - 2
M06 - 2
MP6 - 2



MB6 - 1
MK6 - 1
MN6 - 1
MR6 - 1



MB6 - 2
MK6 - 2
MN6 - 2
MR6 - 2



NOTES

- Signs are Type II - Type H except as Shown
- 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
Message - Black
MB6-1 and MB6-2 Background - Blue
Message - White
MK6-1 and MK6-2 Background - Green
Message - White
MM6-1 and MM6-2 Background - White
Message - Green
MN6-1 and MN6-2 Background - Brown
Message - White
M06-1 and M06-2 Background - Orange - Type F Reflective
Message - Black
MP6-1 and MP6-2 Background - White
Message - Blue
MR6-1 and MR6-2 Background - Brown
Message - Yellow

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	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
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
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
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

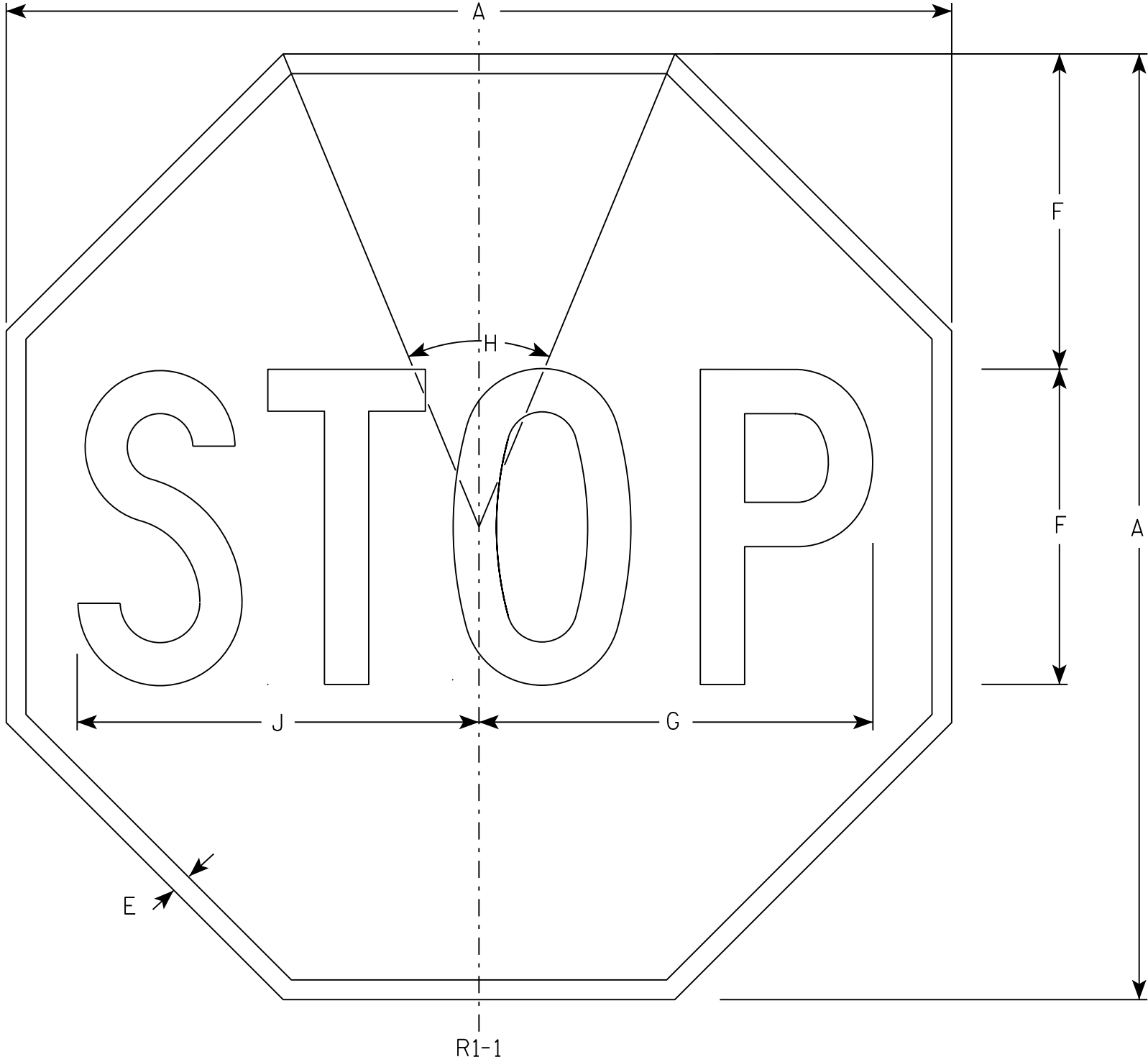
PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
-------------	------	---------	-----------	---

STANDARD SIGN
M6 - 1 & M6 - 2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M6-1.15



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

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				5/8	10	12 1/2	45°		12 3/4																	5.18
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

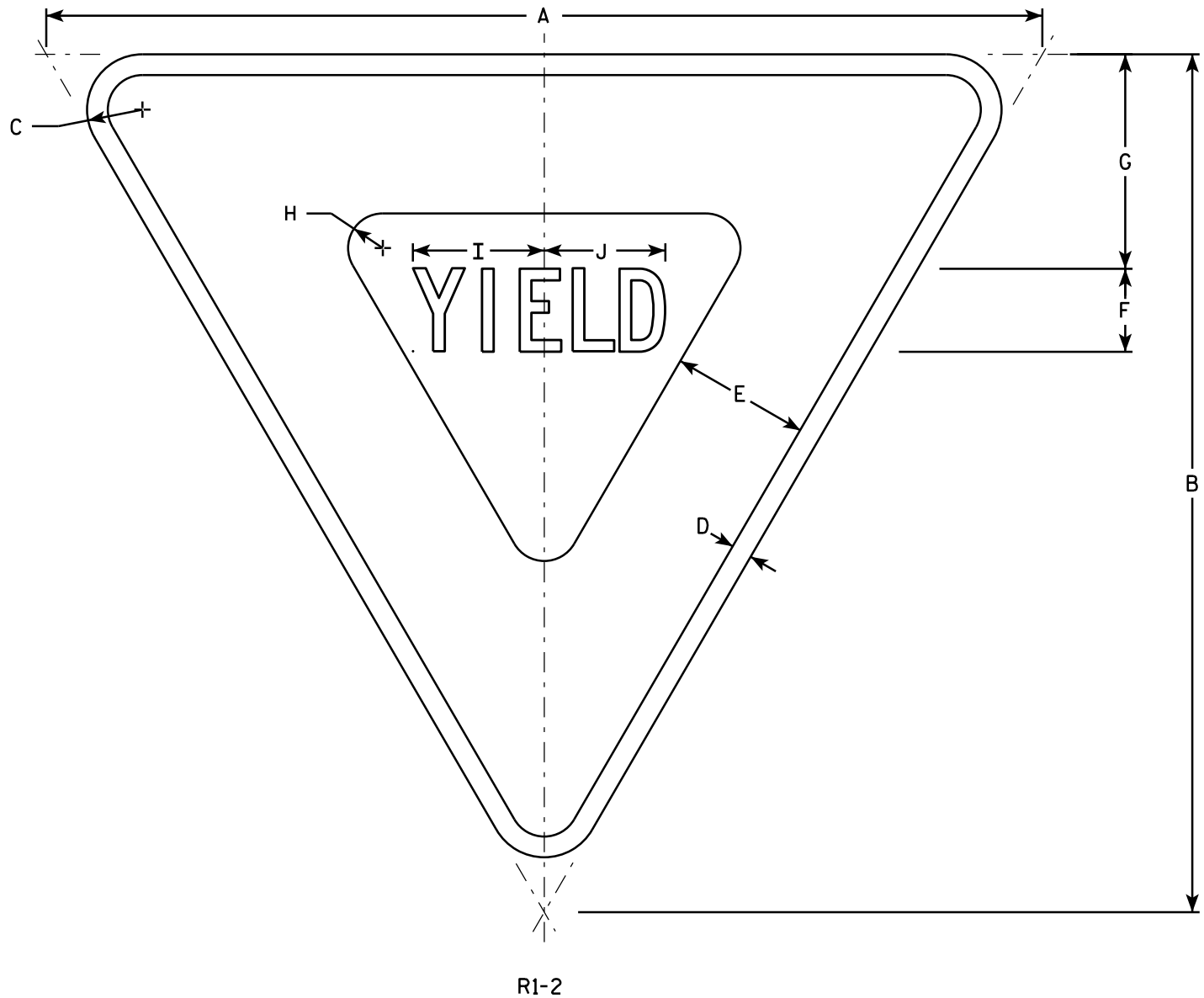
STANDARD SIGN

R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13



NOTES

- 1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - White
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. The border strip and word message are reflectorized red.

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	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

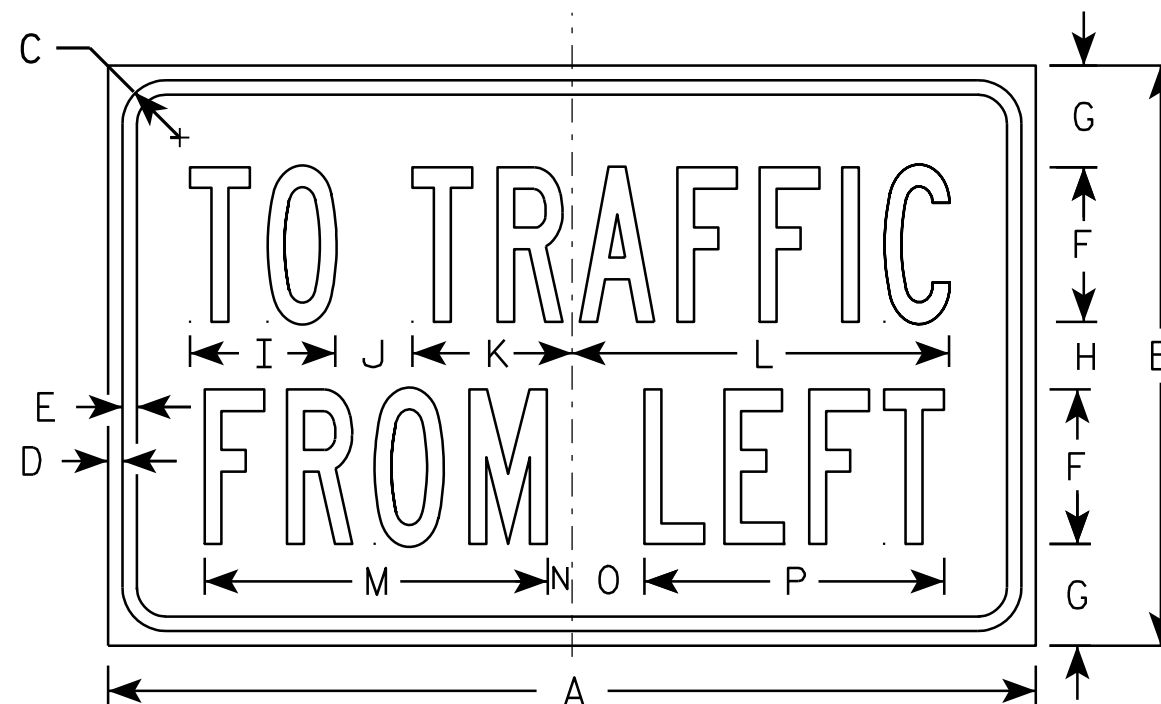
STANDARD SIGN

R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 10/13/14 PLATE NO. R1-2.12



R1-54

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
2M	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
3																											
4																											
5																											

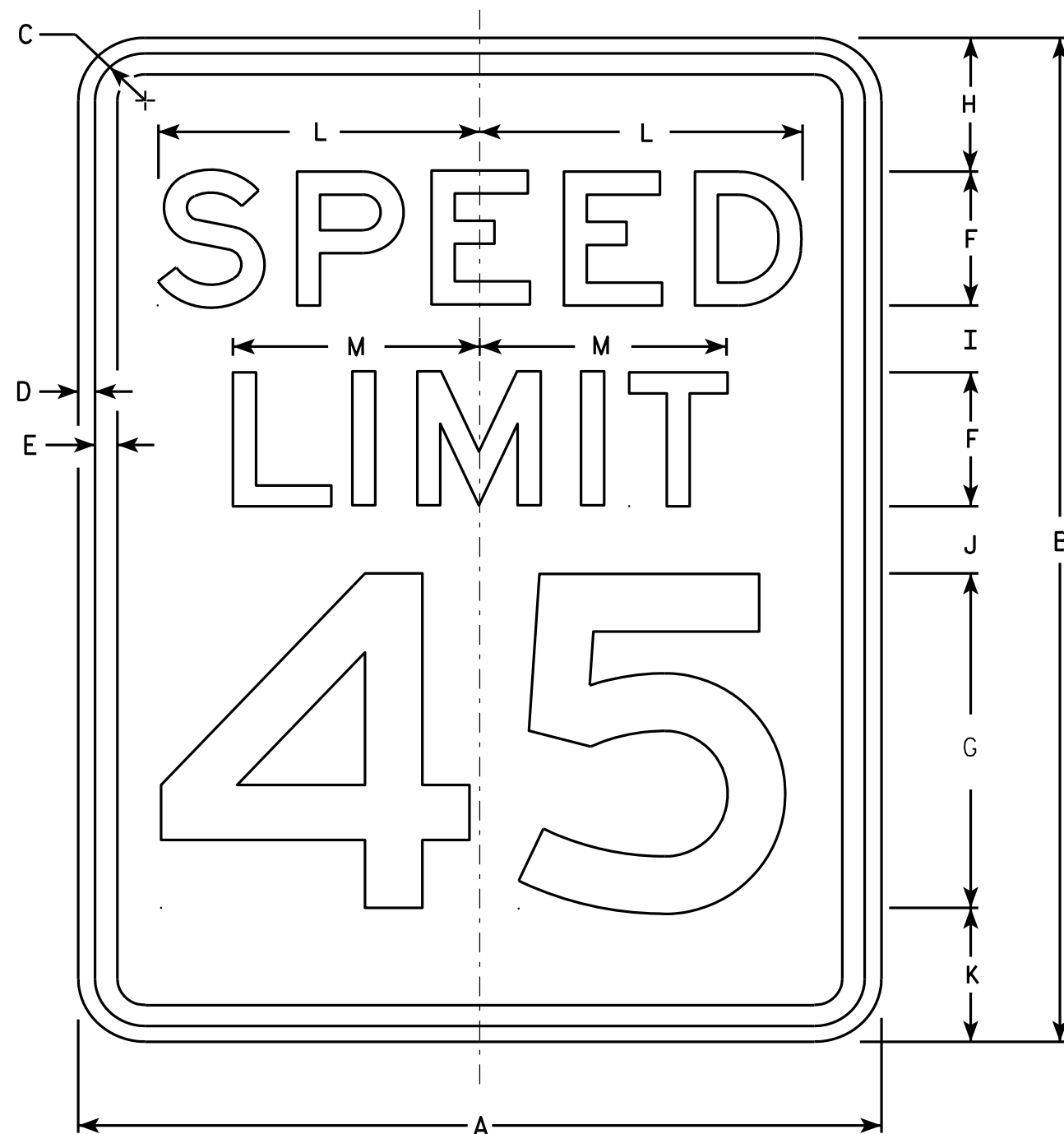
STANDARD SIGN
R1-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R. Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-54.2

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



R2-1

NOTES

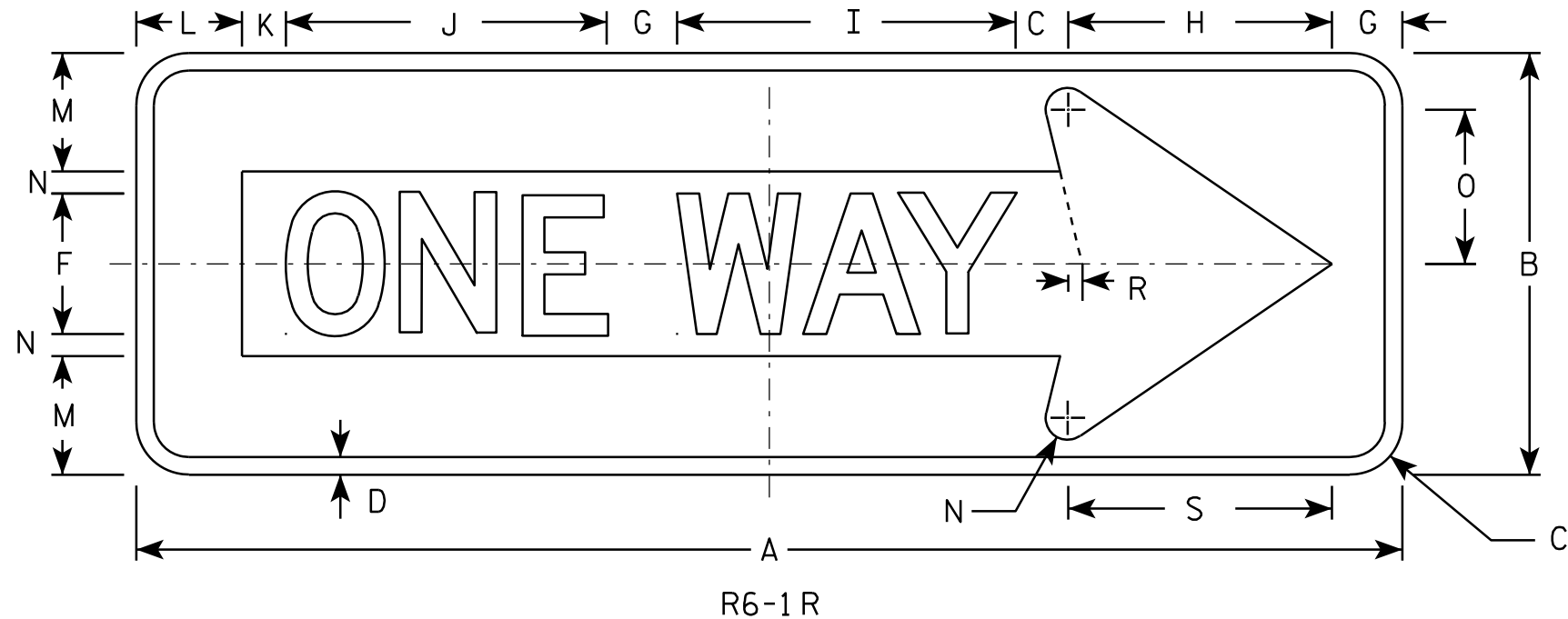
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as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

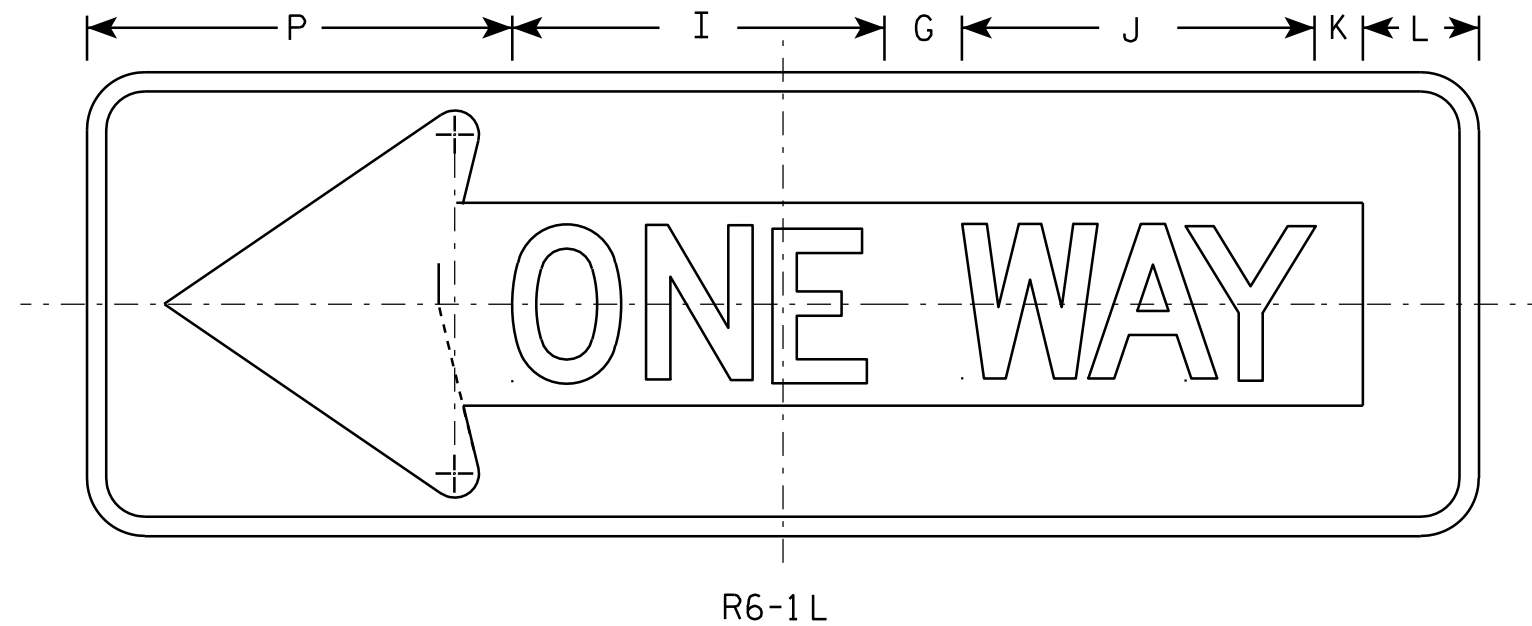
WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
For State Traffic Engineer
DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: HWY: COUNTY: SHEET NO: E



NOTES

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



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

STANDARD SIGN R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

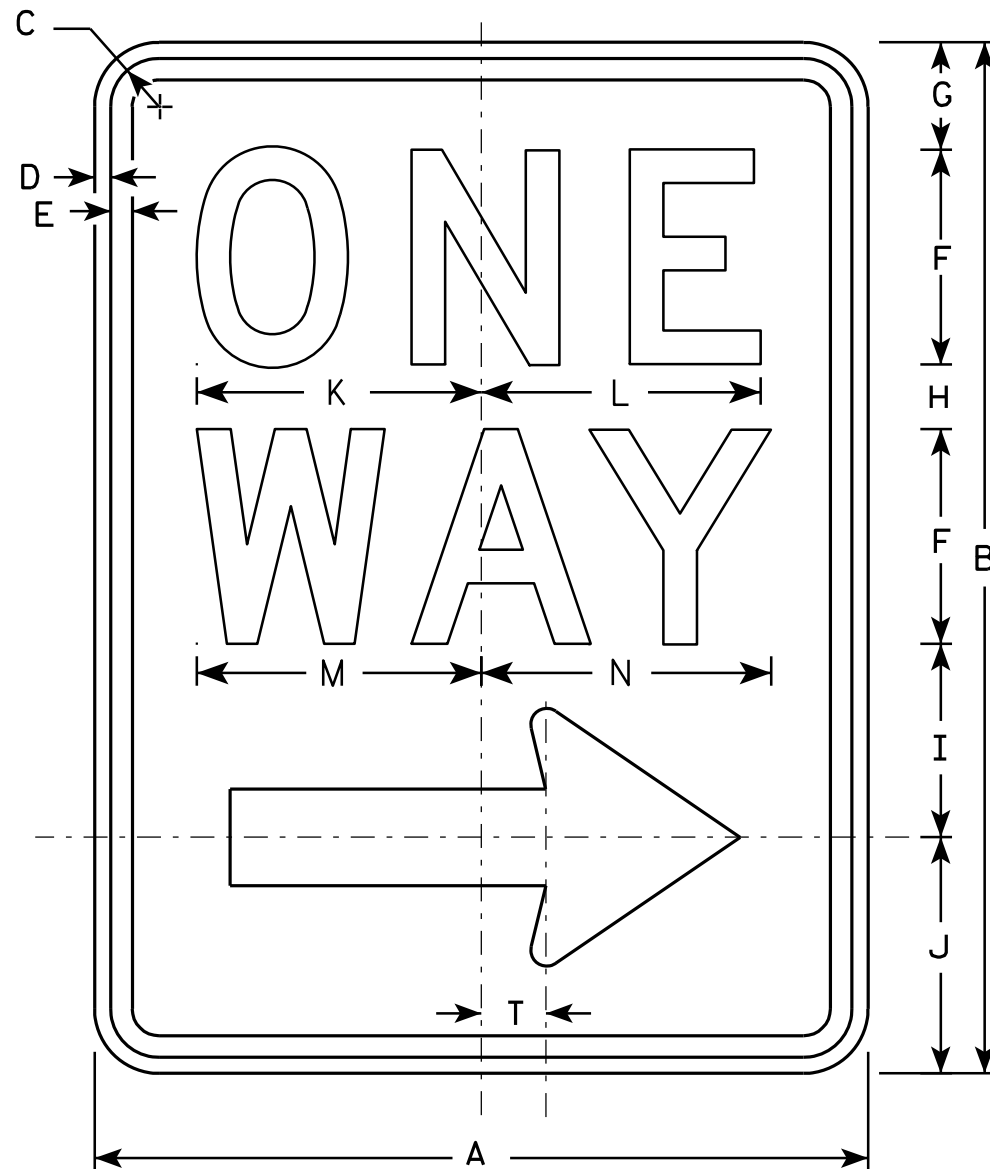
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

PROJECT NO:

SHEET NO:

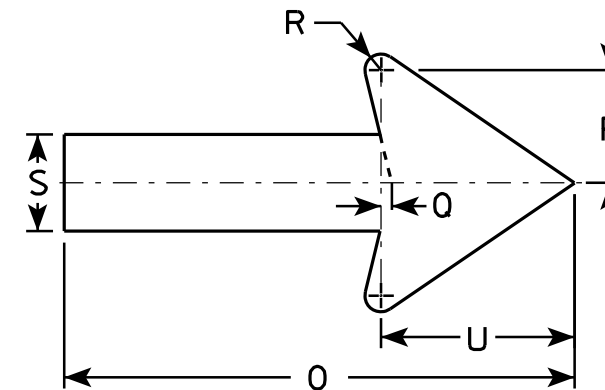
E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

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

STANDARD SIGN

R6-2 R&L

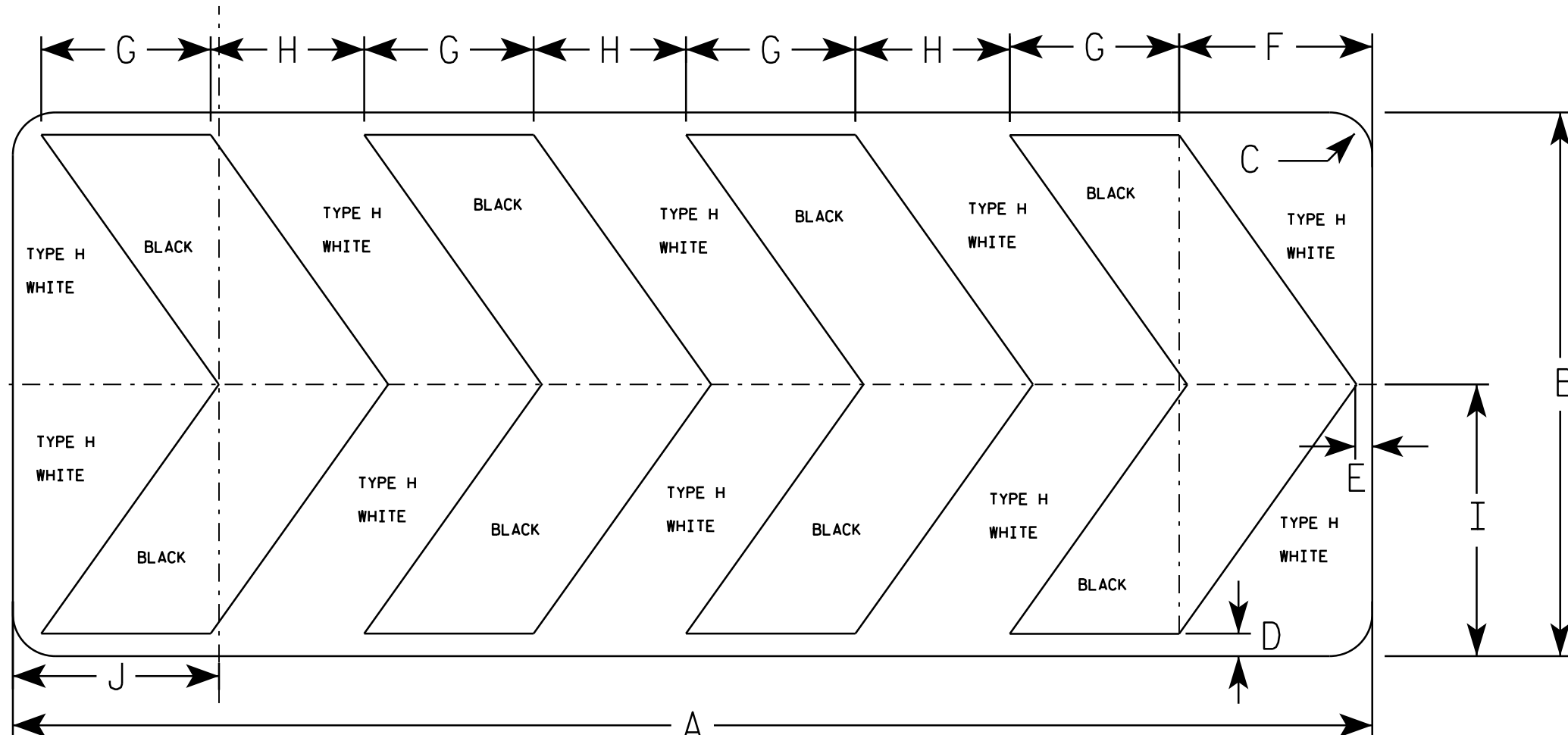
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - WHITE
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.



R6-4B

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	60	24	1 7⁄8	1	¾	8 ½	7 ½	6 ¾	12	9 ⅛																	10.0
2M	60	24	1 7⁄8	1	¾	8 ½	7 ½	6 ¾	12	9 ⅛																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

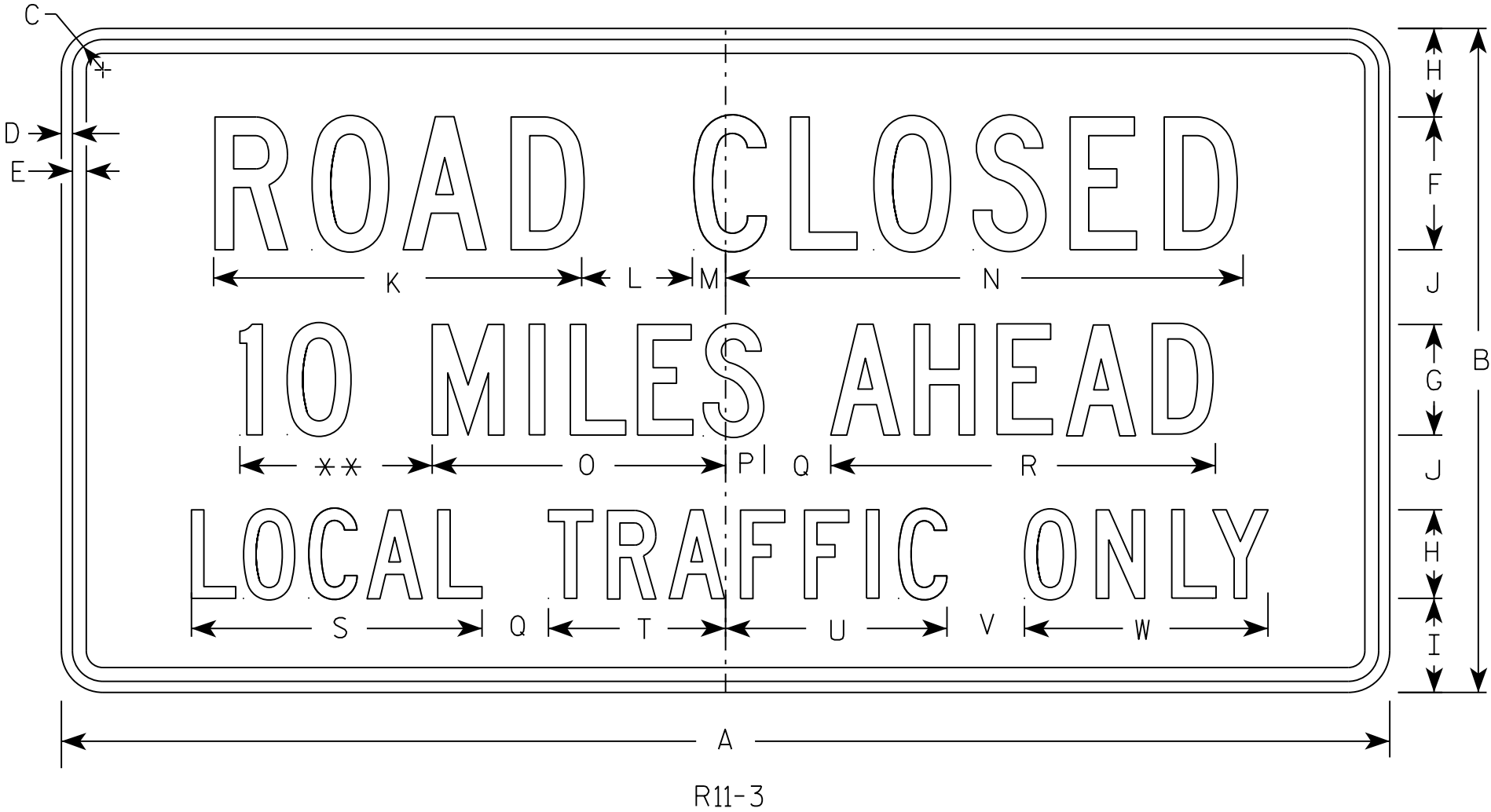
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO:

SHEET NO:

E



NOTES

- 1. Sign is Type II - Type H Reflective
- 2. Color:
 - Background - White
 - Message - Black
- 3. Message Series - C
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.

** See Note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	v	W	X	Y	Z	Area sq. ft.
1	36	18	1 3⁄8	1⁄2	5⁄8	4	3	2 1⁄2	2	2	11 1⁄8	3	1 1⁄8	15 1⁄4	8	1 1⁄2	2	10 3⁄4	8 3⁄8	4 3⁄4	6 1⁄2	2	6 3⁄4				4.5
2S	60	30	1 3⁄8	1⁄2	5⁄8	6	5	4	4 1⁄4	3 3⁄8	16 5⁄8	5	1 1⁄2	23	13 1⁄4	1 3⁄4	3	17 3⁄8	13 1⁄8	8	10	3 1⁄2	11				12.5
2M	60	30	1 3⁄8	1⁄2	5⁄8	6	5	4	4 1⁄4	3 3⁄8	16 5⁄8	5	1 1⁄2	23	13 1⁄4	1 3⁄4	3	17 3⁄8	13 1⁄8	8	10	3 1⁄2	11				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

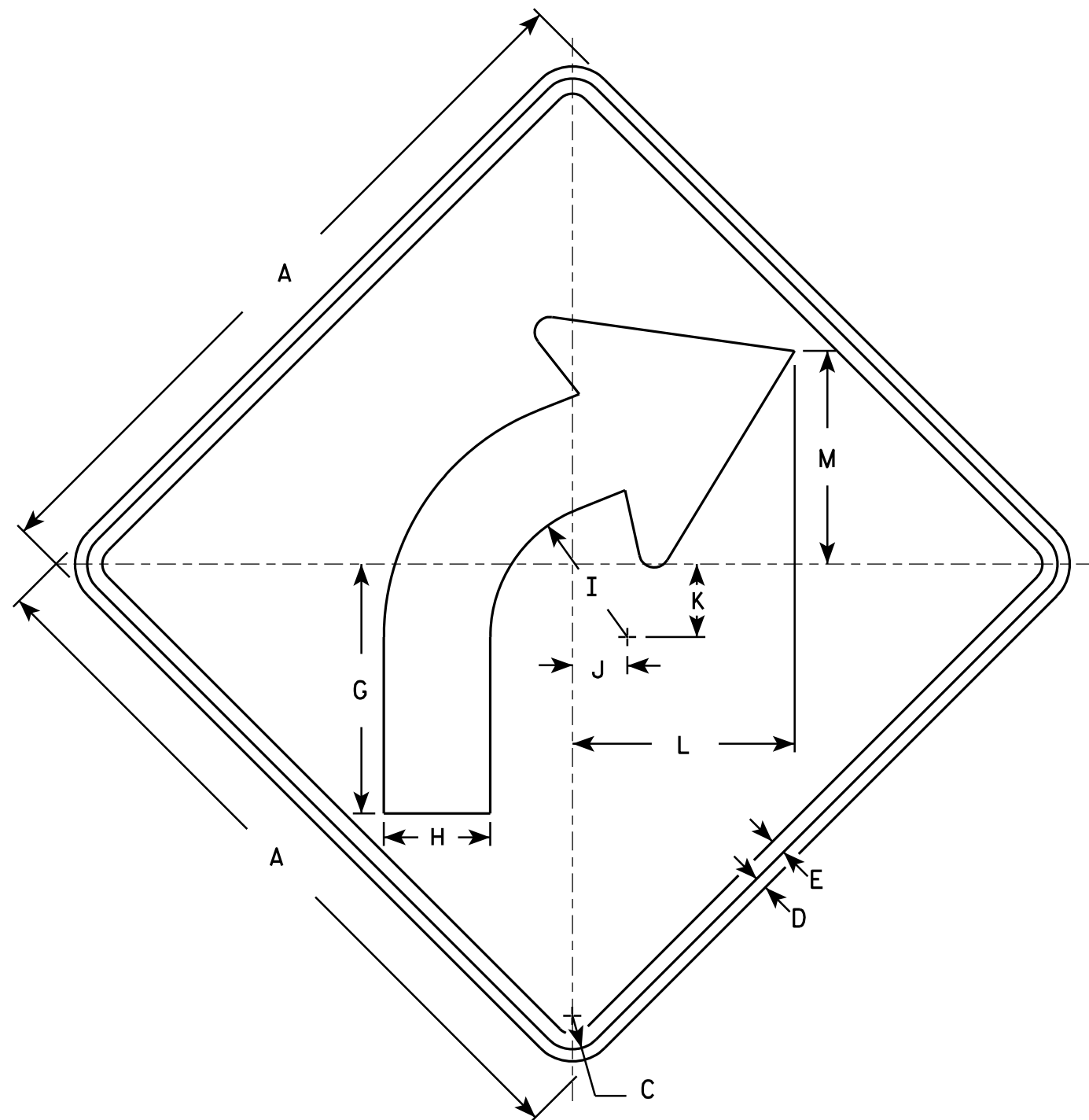
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

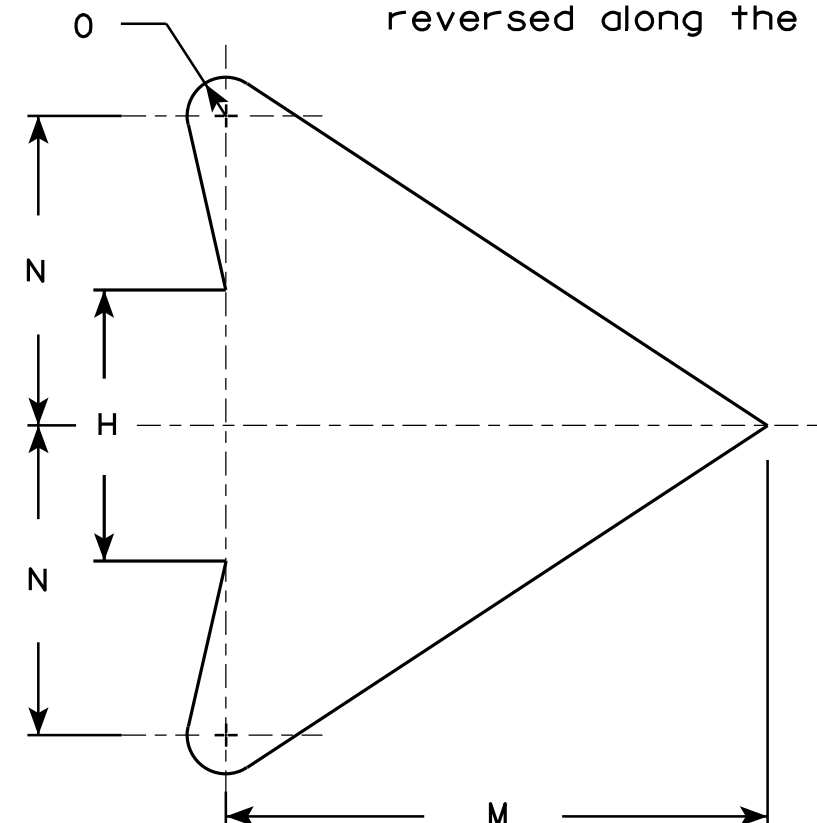
DATE 7/28/16 PLATE NO. R11-3.7

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. 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:

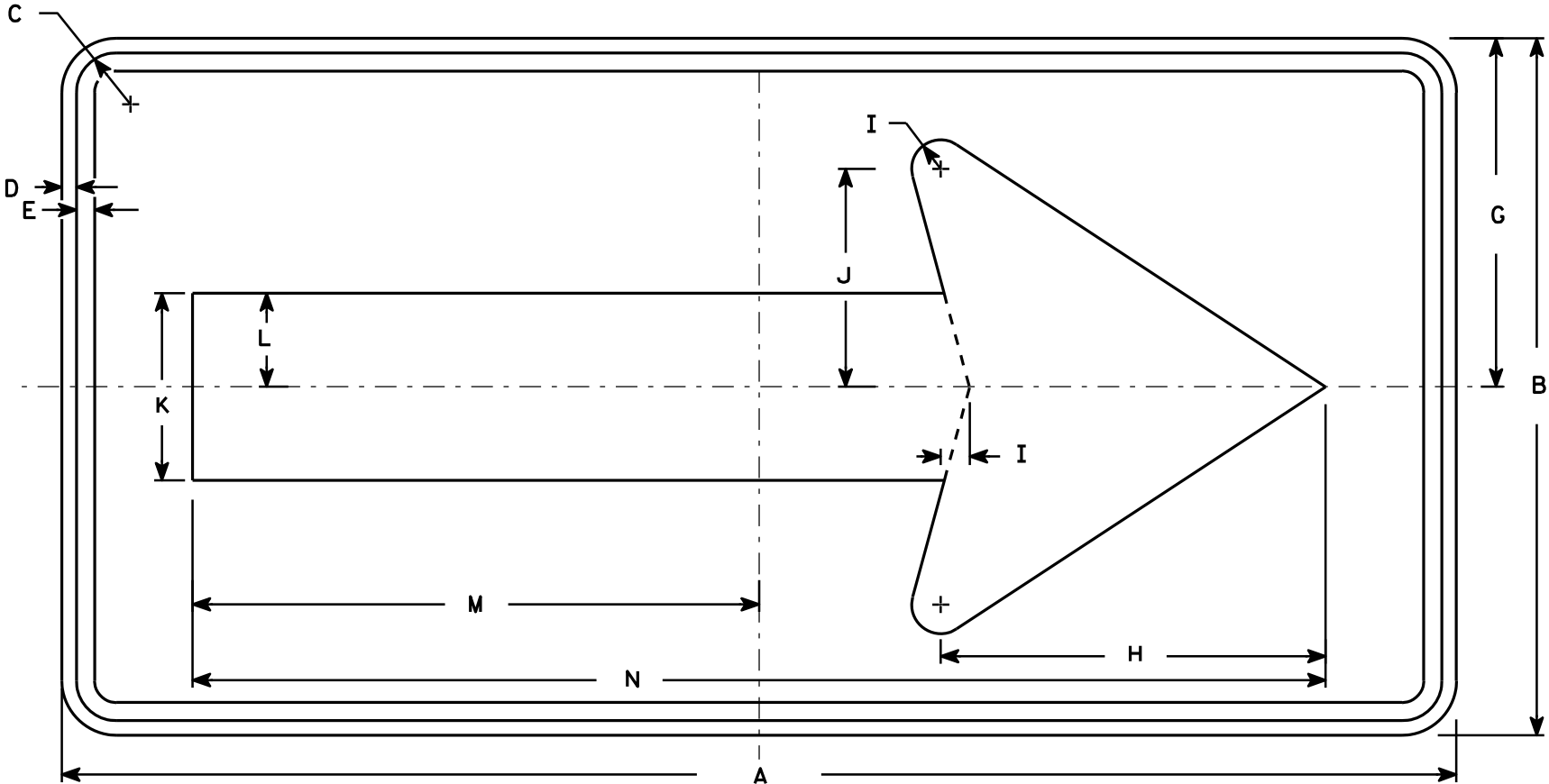
E

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. 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.



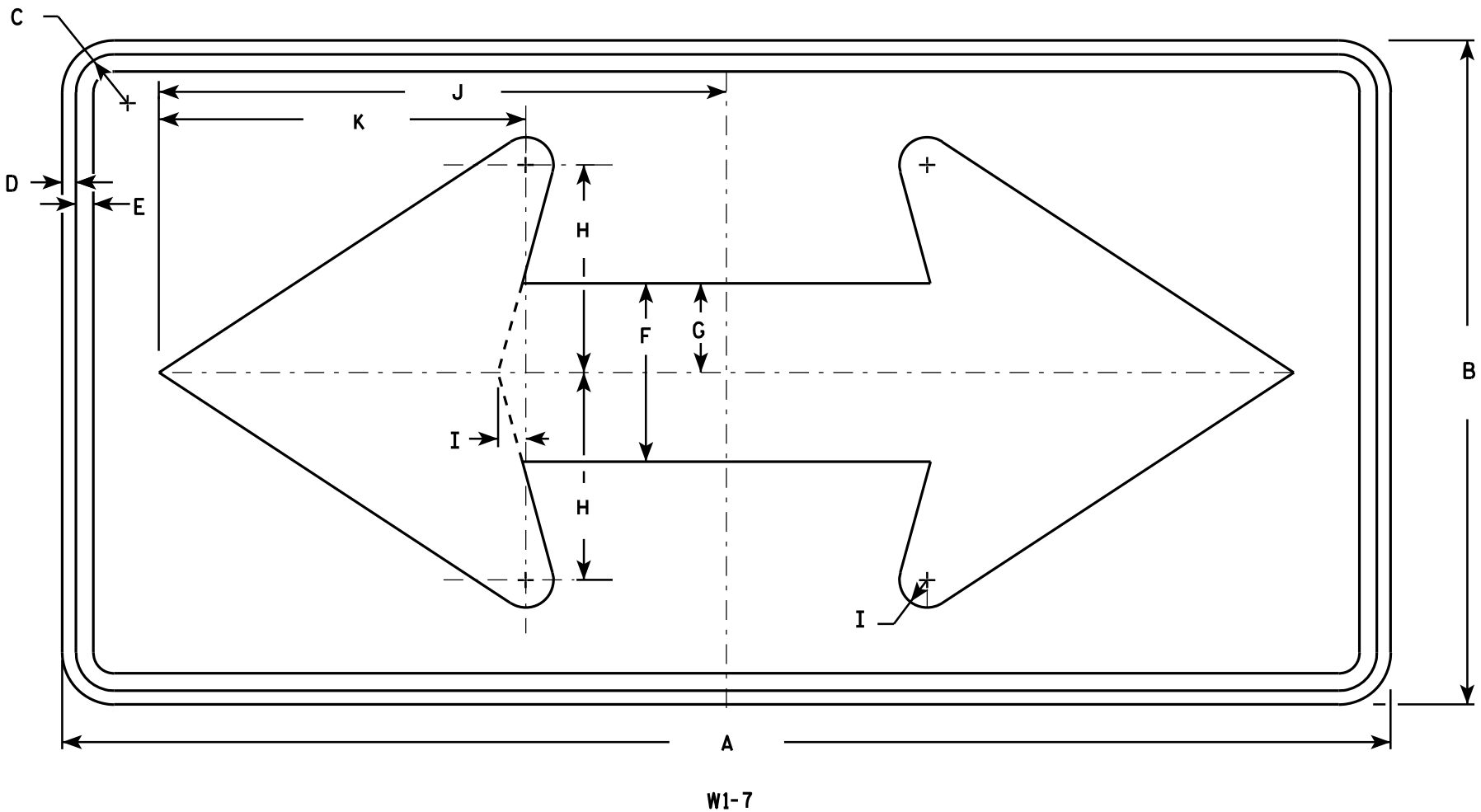
W1-6

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.

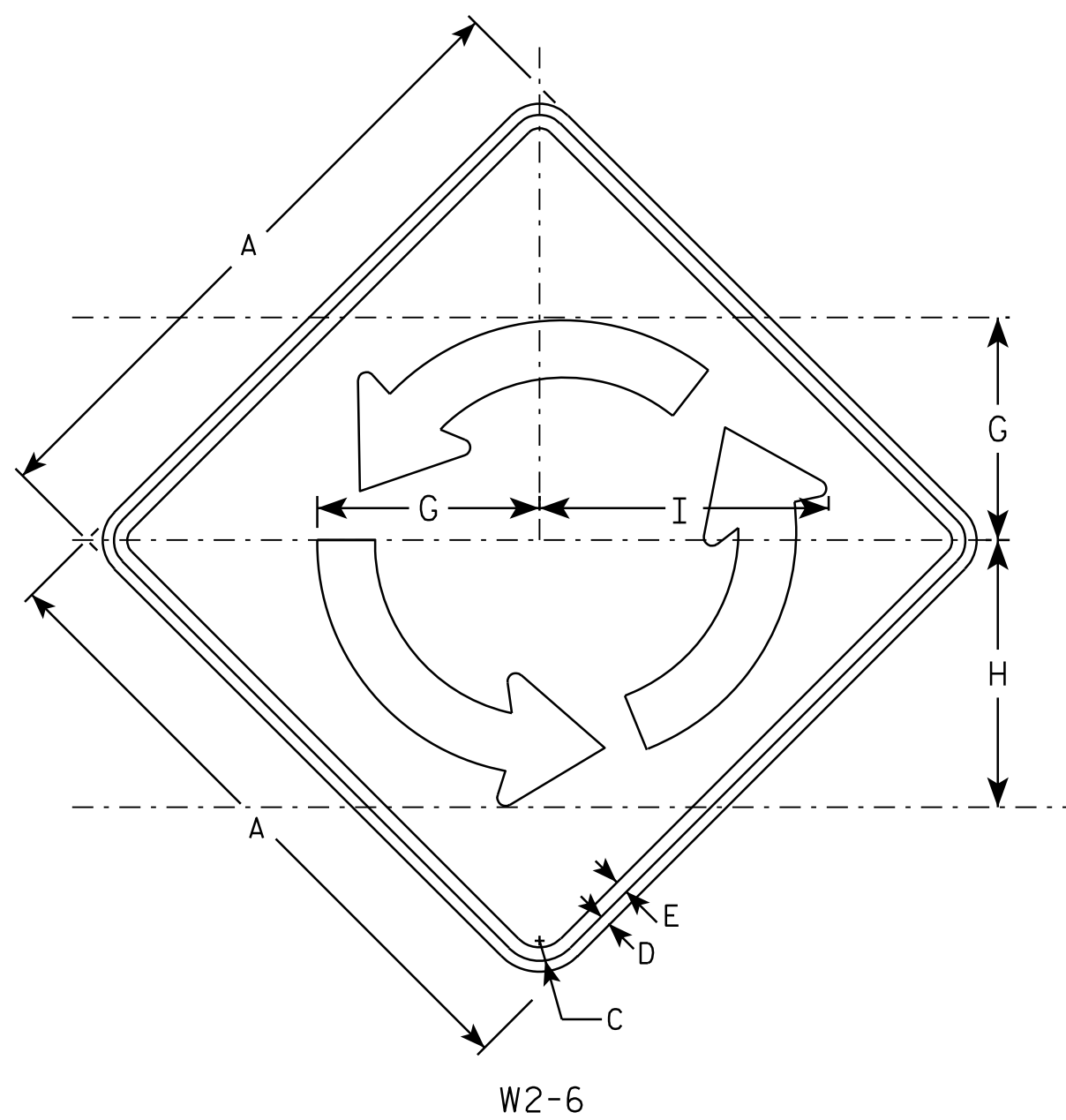
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30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

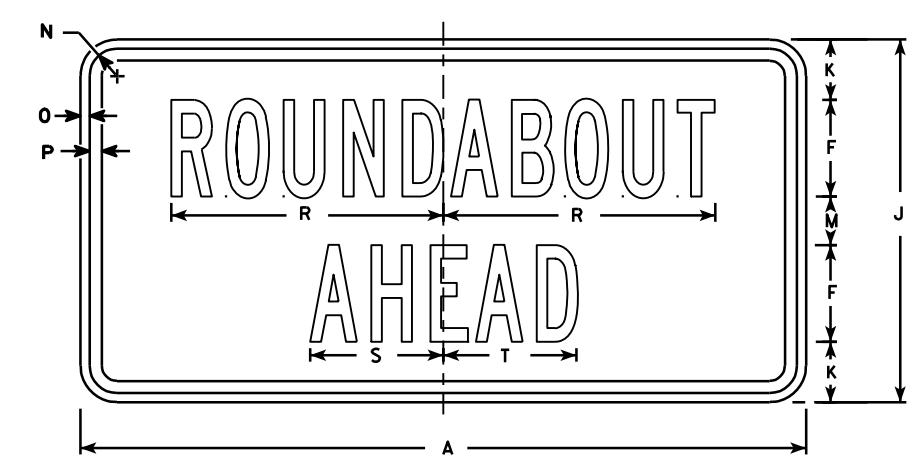
DATE 6/7/10 PLATE NO. W1-7.7



W2-6

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 - 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.



W2-6P

																								W2-6	W2-6P		
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	Area sq. ft.	Area sq. ft.	
1																											
2S	30		1 3⁄8	½	5⁄8	4	10 3⁄8	12 ½	13 ½	15	2 ½		2	1 ⅛	3⁄8	½		11 ¼	5 ½	5 ½						6.25	3.12
2M	30		1 3⁄8	½	5⁄8	4	10 3⁄8	12 ½	13 ½	15	2 ½		2	1 ⅛	3⁄8	½		11 ¼	5 ½	5 ½						6.25	3.12
3	36		1 5⁄8	5⁄8	¾	5	12 ½	15	16 ¼	18	2 5⁄8		2 ¾	1 ⅛	3⁄8	½		14	7	6 ¾						9.00	4.50
4	48		2 ¼	¾	1	6	16 5⁄8	20	16 ¼	24	4 3⁄8		3 5⁄8	1 3⁄8	½	5⁄8		17	8 ¼	8 ¼						16.0	8.0
5																											

STANDARD SIGN

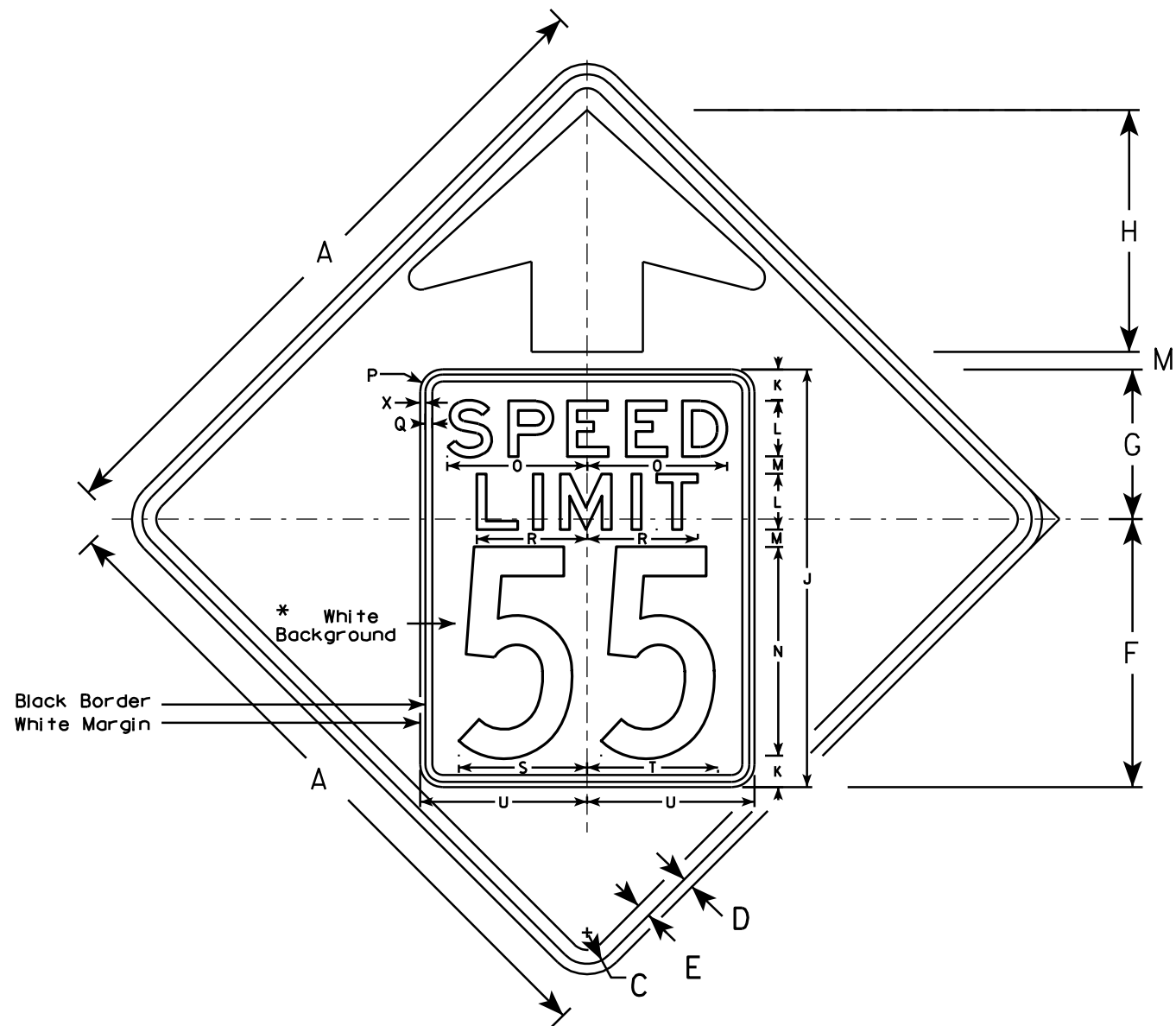
W2-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*

for State Traffic Engineer

DATE 6/29/12 PLATE NO. W2-6.5

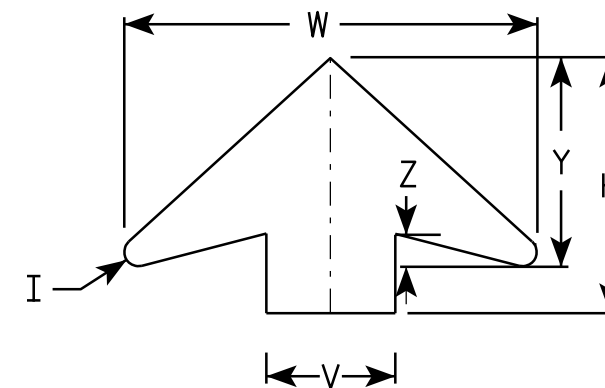


W3-5

NOTES

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

*Speed Limit Sign shall have a White 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																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN

W3-5

WISCONSIN DEPT OF TRANSPORTATION

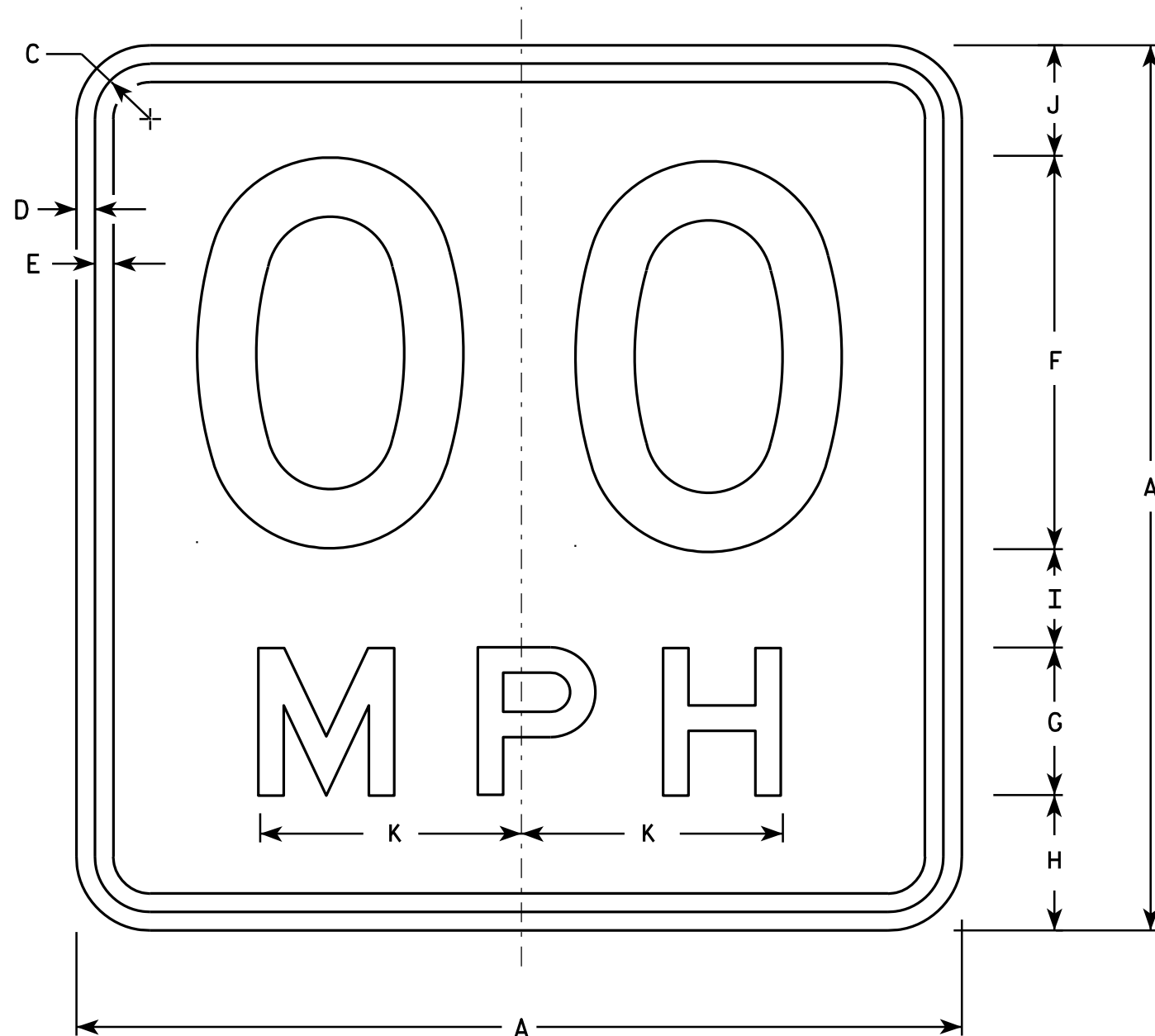
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W3-5.5

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. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
Line 2 is Series E

W13-1

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

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

STANDARD SIGN

W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

PROJECT NO:

HWY:

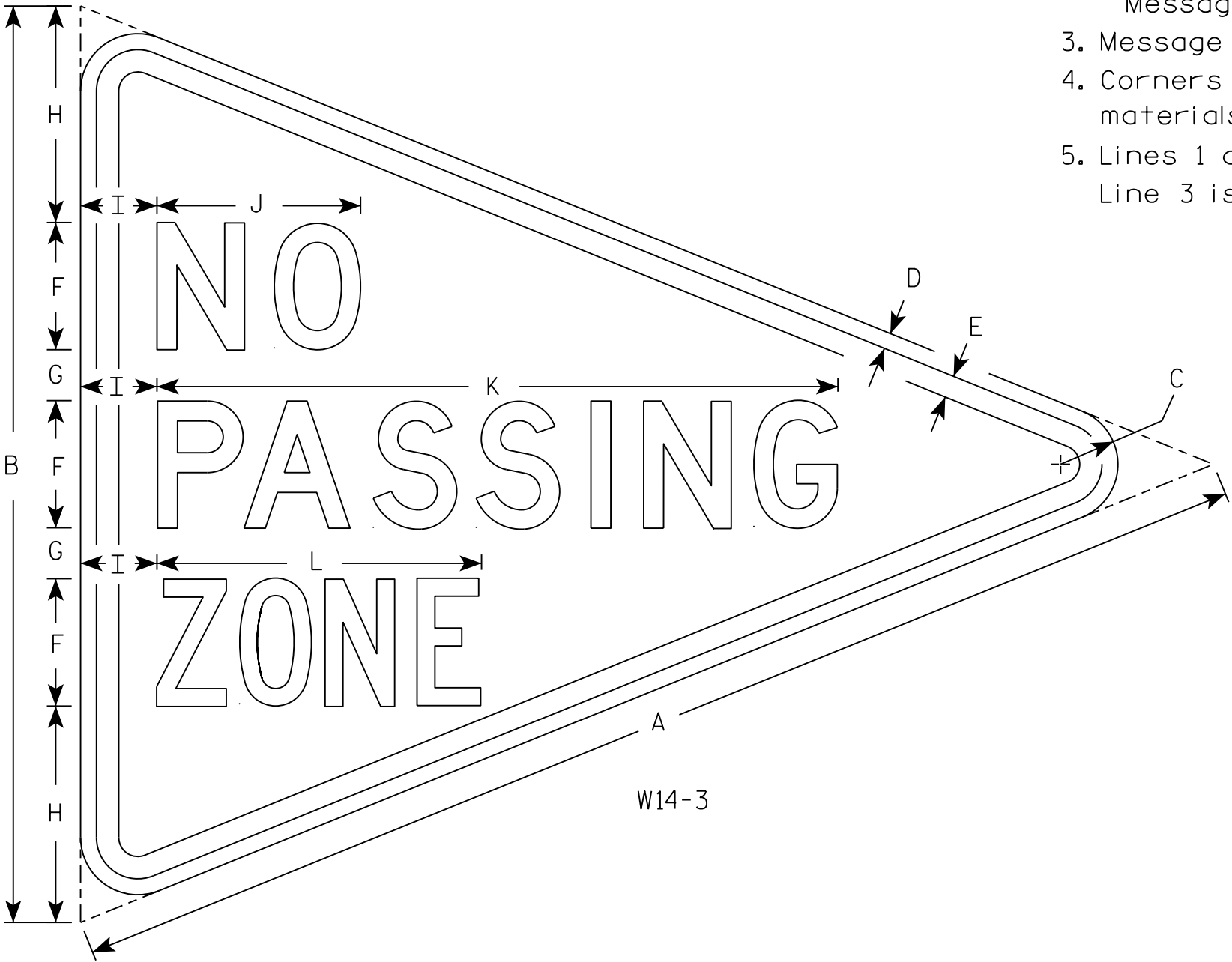
COUNTY:

SHEET NO:

E

NOTES

- 1. Sign is Type II - Type F Reflective
- 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.



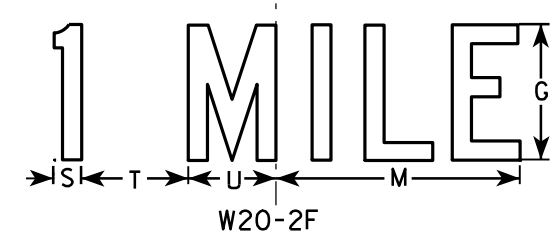
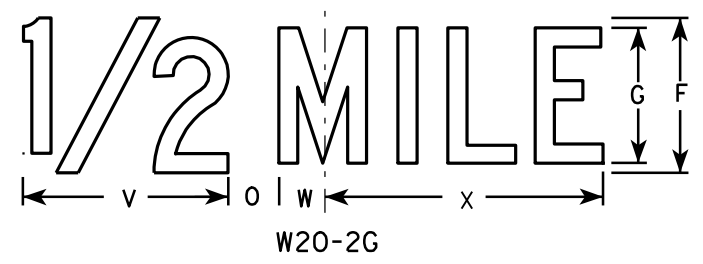
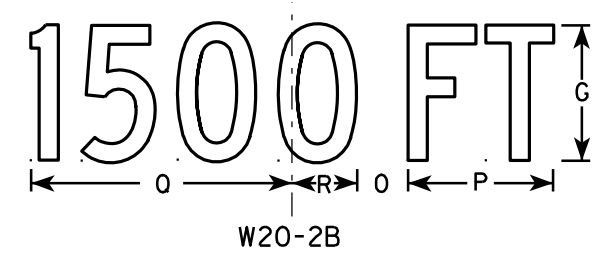
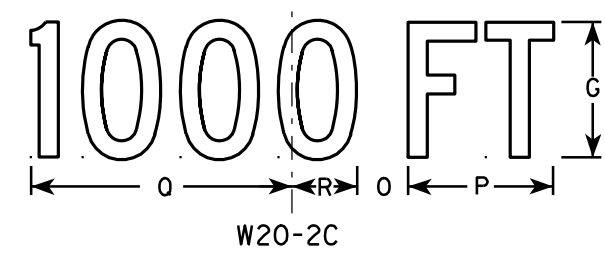
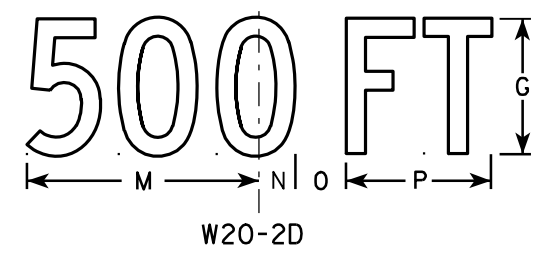
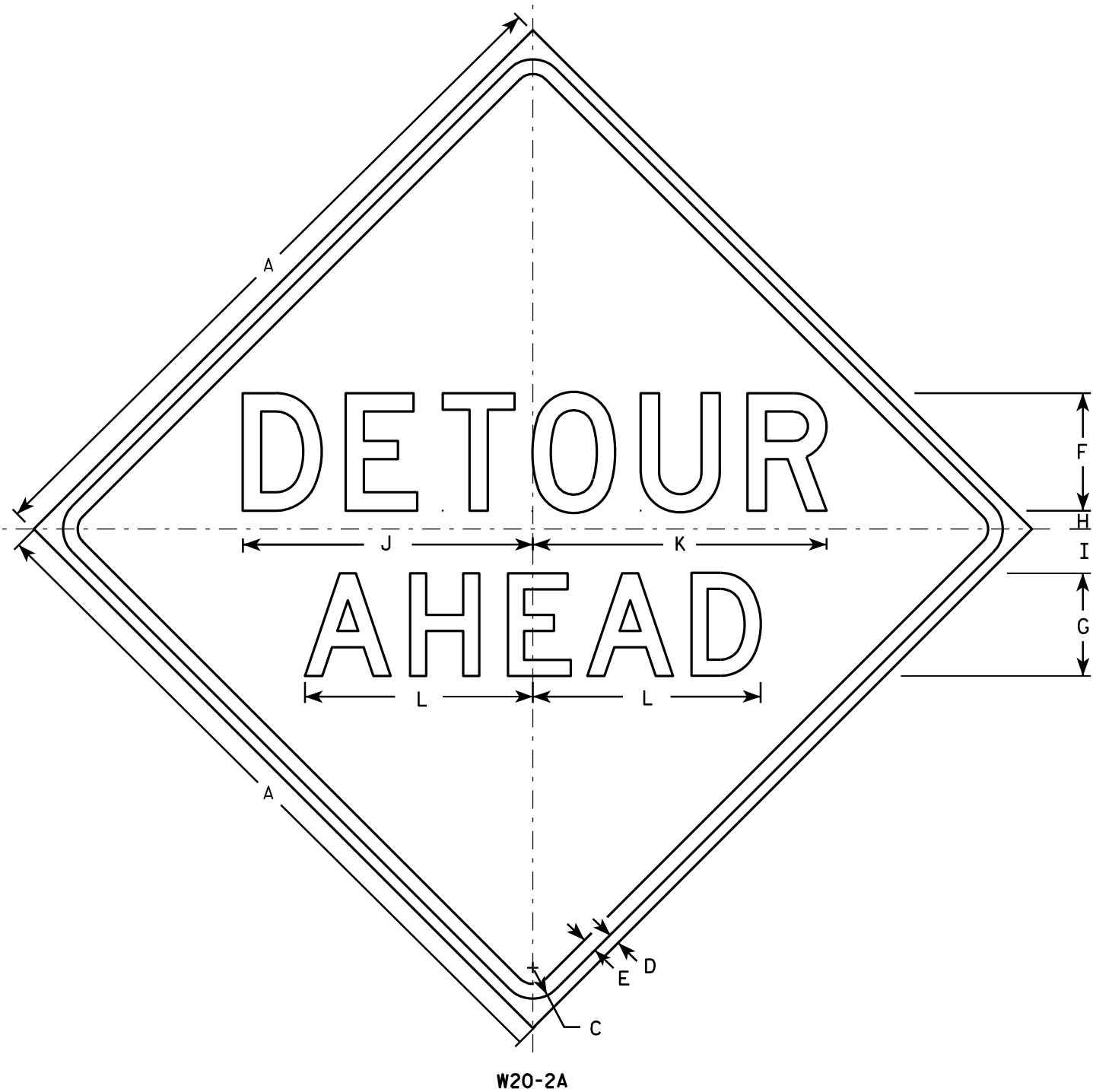
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/23/17 PLATE NO. W14-3.10



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
Line 2 is Series D for AHEAD and Series C for all other distances.

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		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch* for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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