

MAD
PROJECT ID: 1000-20-75
COUNTY: STATEWIDE

FEB 2017

ORDER OF SHEETS

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

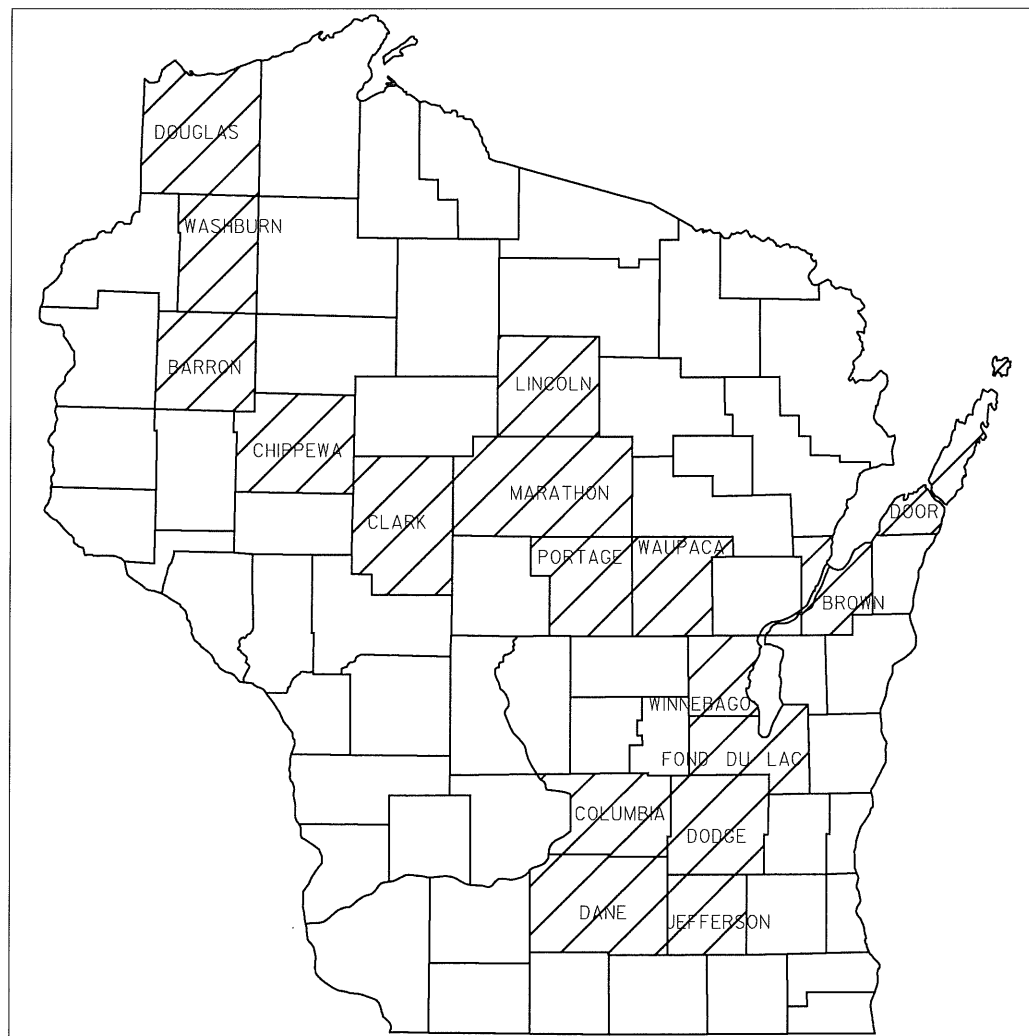
TOTAL SHEETS = 78

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT

STATEWIDE TYPE I SIGN REPLACEMENT
LOCATION ON STN PER ANNUAL PLAN
VARIOUS HIGHWAYS
STATEWIDE

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1000-20-75	WISC 2017133	1

STATE PROJECT NUMBER
1000-20-75



DESIGN DESIGNATION

A.A.D.T. =
A.A.D.T. =
D.H.V. =
D.D. =
T. =
DESIGN SPEED =
ESALS =

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS	////	GRADE LINE	—
PROPERTY LINE	----	ORIGINAL GROUND	~
LOT LINE	----	MARSH OR ROCK PROFILE (To be noted as such)	~
LIMITED HIGHWAY EASEMENT	----	SPECIAL DITCH	----
EXISTING RIGHT OF WAY	----	GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE	----	CULVERT (Profile View)	□
SLOPE INTERCEPT	----	UTILITIES	—
REFERENCE LINE	----	ELECTRIC	— E —
EXISTING CULVERT	----	FIBER OPTIC	— FO —
PROPOSED CULVERT (Box or Pipe)	----	GAS	— G —
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	— SAN —
MARSH AREA	----	STORM SEWER	— SS —
WOODED OR SHRUB AREA	----	TELEPHONE	— T —
		WATER	— W —
		UTILITY PEDESTAL	—
		POWER POLE	—
		TELEPHONE POLE	—

LAYOUT
SCALE 0
TOTAL NET LENGTH OF CENTERLINE =

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, COUNTY COUNTY, NAD83 (YEAR), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor _____
Designer _____ JAY HILLE
Project Manager _____ MATT RAUCH
Regional Examiner _____ IVER PETERSON
Regional Supervisor _____ TRAVIS FELTES

APPROVED FOR THE DEPARTMENT


DATE: 11-1-16 *Travis Feltes*
(Signature)

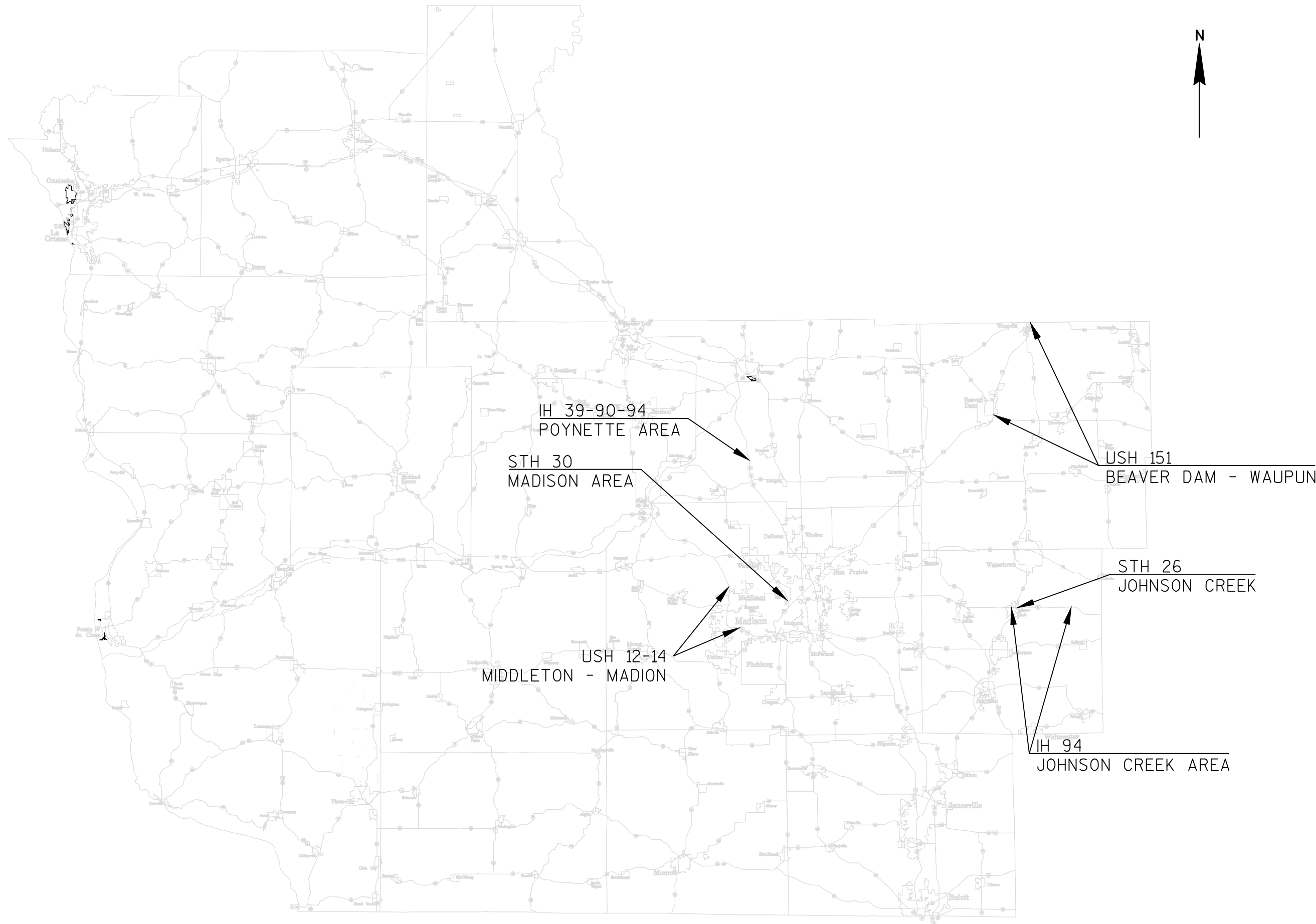
E

GENERAL NOTES

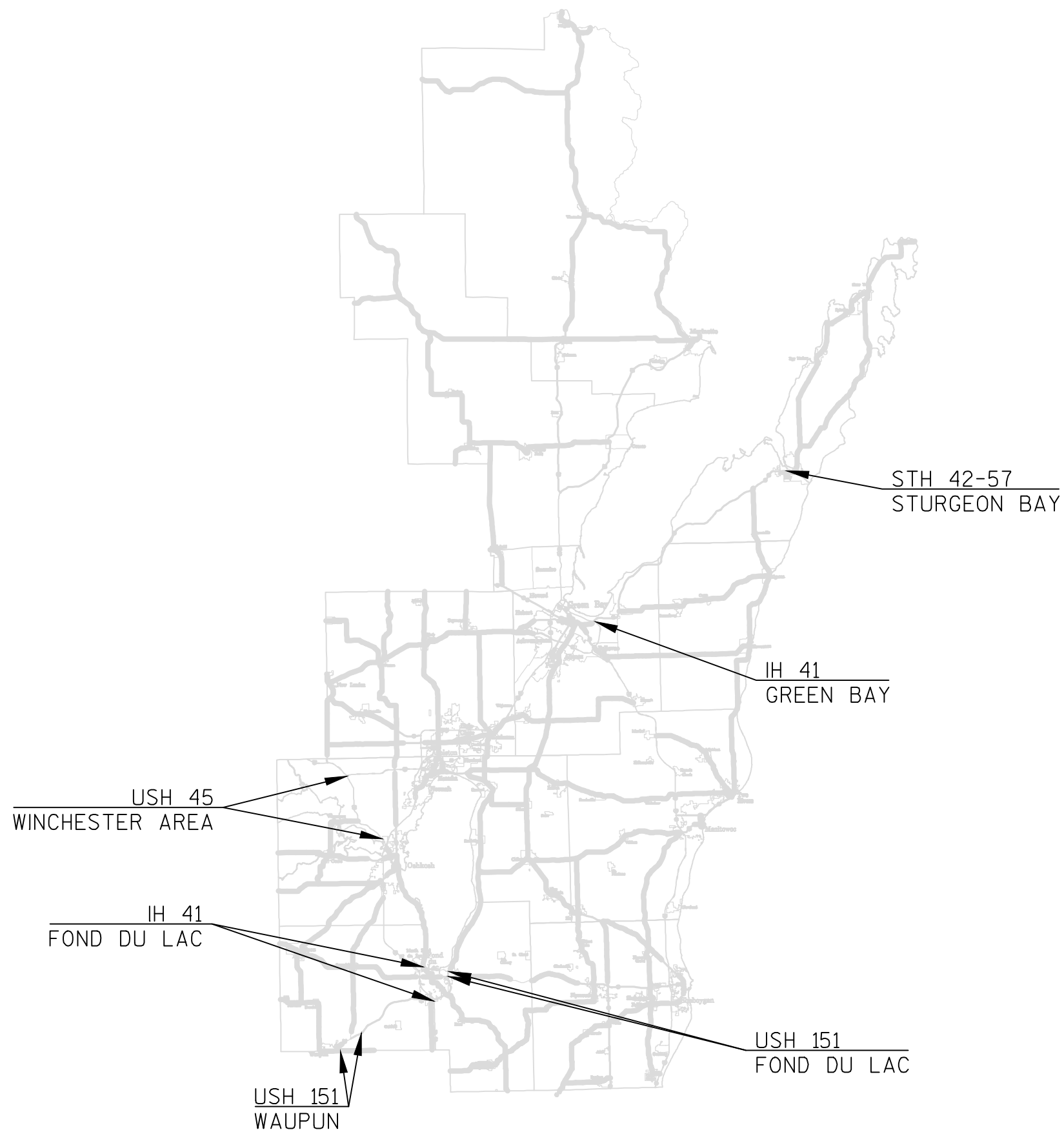
THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OR DIGGERS HOTLINE.

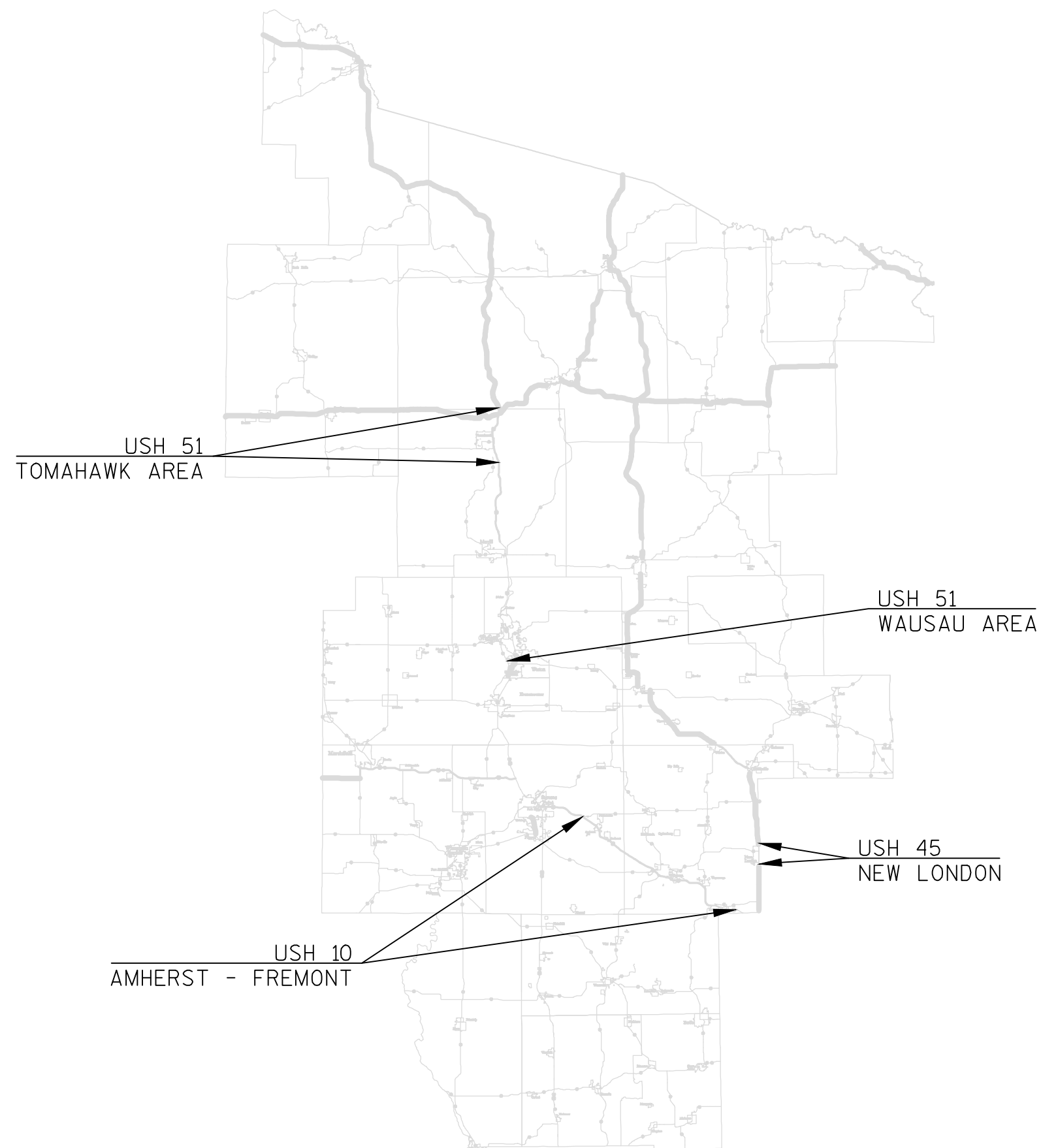


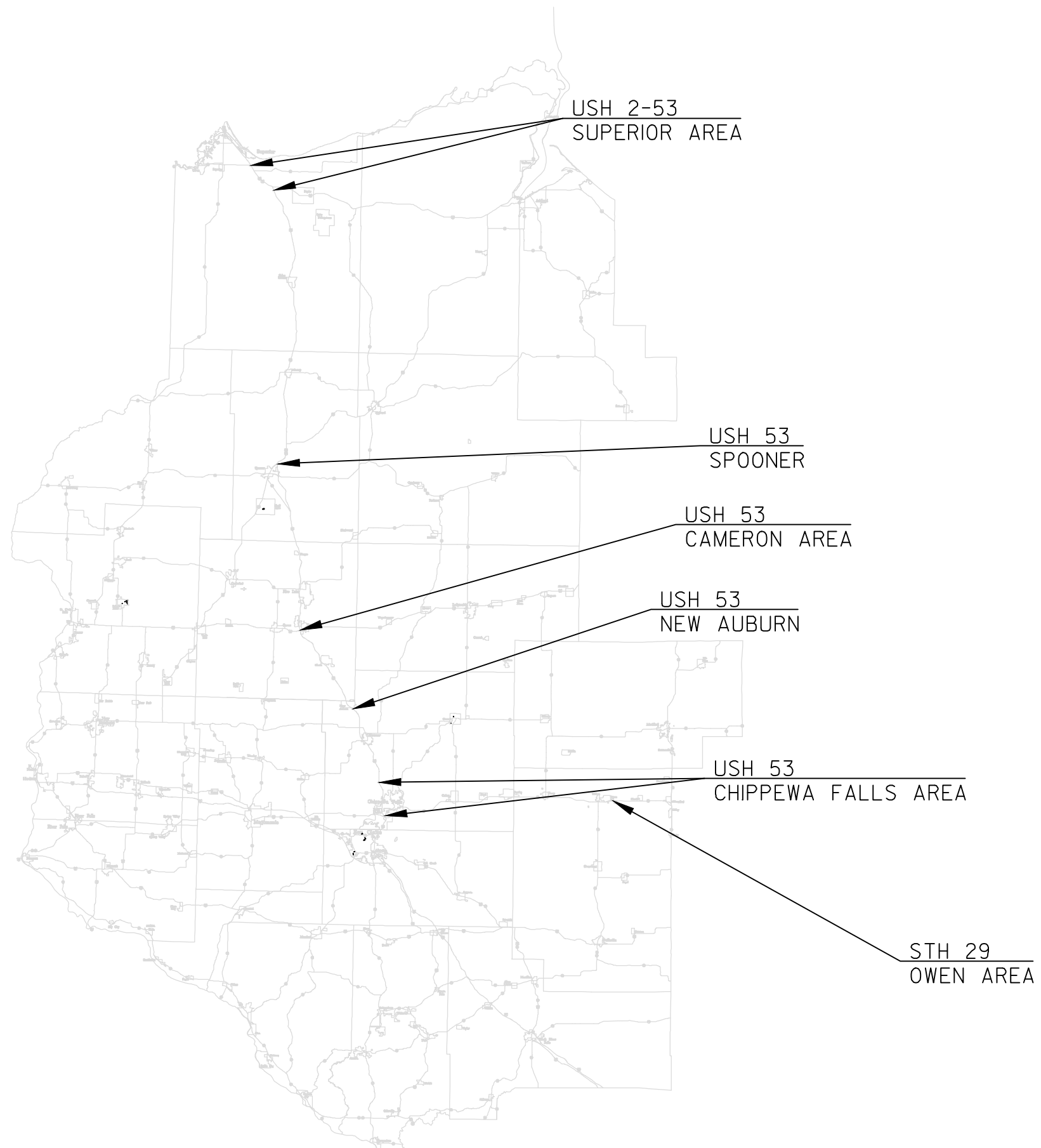
Dial  or (800) 242-8511
www.DiggersHotline.com



PROJECT NO:1000-20-75	HWY:VARIOUS	COUNTY:VARIOUS	PROJECT OVERVIEW - SOUTHWEST REGION	SHEET	E
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Estimate Of Quantities

1000-20-75					
Line	Item	Item Description	Unit	Total	Qty
0010	204.0195	Removing Concrete Bases	EACH	8.000	8.000
0020	619.1000	Mobilization	EACH	1.000	1.000
0030	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	23.000	23.000
0040	635.0200	Sign Supports Structural Steel HS	LB	43,519.400	43,519.400
0050	635.0300	Sign Supports Replacing Base Connection Bolts	EACH	103.000	103.000
0060	635.9010.S	Sign Supports Shorten Structural Steel	EACH	32.000	32.000
0070	636.0100	Sign Supports Concrete Masonry	CY	61.800	61.800
0080	636.0500	Sign Supports Steel Reinforcement	LB	3,632.000	3,632.000
0090	637.1220	Signs Type I Reflective SH	SF	30,526.500	30,526.500
0100	637.2210	Signs Type II Reflective H	SF	372.500	372.500
0110	638.2101	Moving Signs Type I	EACH	1.000	1.000
0120	638.2601	Removing Signs Type I	EACH	192.000	192.000
0130	638.2602	Removing Signs Type II	EACH	17.000	17.000
0140	638.3000	Removing Small Sign Supports	EACH	37.000	37.000
0150	638.3100	Removing Structural Steel Sign Supports	EACH	97.000	97.000
0160	638.3210	Revising Signs Type I Demountable	EACH	3.000	3.000
0170	638.3610	Erecting State Owned Signs Type I	EACH	2.000	2.000
0180	643.0100	Traffic Control (project) 1000-20-75	EACH	1.000	1.000
0190	SPV.0165	Special 01. Modifying Signs Type I	SF	165.000	165.000

3

								204.0195	634.0620	635.02	635.0300	635.9010.S	636.0100	636.0500	637.1220	637.2210	638.2101	638.2601	638.2602	638.3000	638.3100	638.3210	638.3610	SPV.0165.01	
SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (LOCATION)	CODE	SIZE	DESCRIPTION	ORDER LINES	REMOVING CONCRETE BASES EACH	WOOD POSTS 4X6-INCH X 20-FT EACH	SIGN SUPPORTS STRUCTURAL STEEL HS LB	SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	SIGN SUPPORTS SHORTEN STRUCTURAL STEEL EACH	SIGN SUPPORTS CONCRETE MASONRY CY	SIGN SUPPORTS STEEL REINFORCEMENT HS LB	SIGNS TYPE I REFLECTIVE SH SF	SIGNS TYPE II REFLECTIVE H SF	MOVING SIGNS TYPE I EACH	REMOVING SIGNS TYPE I EACH	REMOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH	REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	REVISING SIGNS TYPE I EACH	ERECTING STATE OWNED SIGNS TYPE I EACH	MODIFYING SIGNS TYPE I SF	NOTES
SW-1	Jefferson	STH 26 NB	IH 94 Interchange	E6-1	120" x 84" (10' x 7')	Exit Gore Sign (Overhead)	94 WEST Madison [TL] ONLY [TL]								70			1							S-28-7 Reuse I Beams
SW-2	Jefferson	STH 26 SB	IH 94 Interchange	E6-1	120" x 84" (10' x 7')	Exit Gore Sign (Overhead)	94 EAST Milwaukee [TL] ONLY [TL]								70			1							S-28-12 Reuse I Beams
SW-3	Jefferson	IH 94 EB	266.23	E3-1	156" x 120" (13' x 10')	Supplemental Guide Sign	[CAR] [BUS] Park & Ride Hospital EXIT 267			965.00			1.6	98	130			1			2				Install new sign 160' east of existing Park & Ride sign (Type B Bases and Supports) (1.3 miles east of CTH N)
SW-4	Jefferson	IH 94 EB	266.38	E3-1		Supplemental Guide Sign	Jefferson Fort Atkinson EXIT 267			548.00			1.2	68			1				2				Move existing sign 370' east (Type A Bases and Supports) (1.45 miles east of CTH N)
SW-5	Jefferson	IH 94 EB	267.19	E10-61		Hospital Exit _	HOSPITAL EXIT 267											1		3					Remove Only
SW-6	Jefferson	IH 94 EB	267.29	E1-5-P E4-1-A	120" x 30" 300" x 132" (25' x 11')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 267 26 Watertown [TR] Johnson Creek				1				25 275			1							Install above E4-1-A Install new sign on existing steel supports (Type C Bases and Supports)
SW-7	Jefferson	IH 94 EB	275.37	E3-1	192" x 84" (16' x 7')	Supplemental Guide Sign	Glacial Drumlín State Trail EXIT 275				1				112			1							Install new sign on existing steel supports (Type B Bases and Supports)
SW-8	Jefferson	IH 94 WB	276.69	E3-1	192" x 84" (16' x 7')	Supplemental Guide Sign	Glacial Drumlín State Trail EXIT 275				1				112			1							Install new sign on existing steel supports (Type B Bases and Supports)
SW-9	Dodge	USH 151 NB	133.01	E1-5-P E1-1-A	108" x 30" 240" x 78" (20' x 6.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 134 Industrial Dr 3/4 MILE				1				22.5 130			1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-10	Dodge	USH 151 NB	133.75	E1-5-P E4-1-A	108" x 30" 276" x 48" (23' x 4')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 134 Industrial Dr [TR]				1				22.5 92			1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-11	Dodge	USH 151 NB	134.00	E1-5-P E1-1-A	108" x 30" 228" x 114" (19' x 9.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 135 B Beaver Dam 1/2 MILE				1				22.5 180.5			1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-12	Dodge	USH 151 NB	134.43	E1-5-P E4-1-A	108" x 30" 264" x 90" (22' x 7.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 135 B Beaver Dam [TR]				1				22.5 165			1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-13	Dodge	USH 151 NB	135.22	E1-5-P E1-1-A	108" x 30" 180" x 120" (15' x 10')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 136 A Fox Lake 3/4 MILE			896.20			1.6	98	22.5 150			1			2				Install above E1-1-A Install new sign 10' north of existing sign (Type B Bases and Supports) (2700' north of CTH B)
SW-14	Dodge	USH 151 NB	135.98	E1-5-P E4-1-A	108" x 30" 216" x 90" (18' x 7.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 136 A Fox Lake [TR]				1				22.5 135			1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-15	Dodge	USH 151 NB	137.37	D2-2	204" x 60" (17' x 5')	Destination/Distance (Two)	Waupun 10 Fond du Lac 28				1				85			1							Install new sign on existing steel supports (Type A Bases and Supports)
SW-16	Dodge	USH 151 NB	140.37	E8-1-A	192" x 126" (16' x 10.5')	Community Interchanges Identification Sign	Waupun Exits M BUS 151 1 1/2 26 3 49 5 1/4			981.00			1.6	98	168			1			2				Install new sign 2590 ft south of existing sign (Type B Bases and Supports) (1160' north of CTH C)
SW-17	Dodge	USH 151 NB	140.87	E1-5-P E1-1-A	108" x 30" 180" x 120" (15' x 10')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 142 M BUS 151 Waupun 1 MILE			1000.20			1.6	98	22.5 150			1			2				Install above E1-1-A Install new sign 2745 ft south of existing sign (Type B Bases and Supports) (3800' north of CTH C)
SW-18	Dodge	USH 151 NB	141.58	E10-61	144" x 54" (12' x 4.5')	Hospital Exit _	HOSPITAL EXIT 142			549.20			1.2	68	54			1			2				Install new sign 10 ft north of existing sign (Type A Bases and Supports) (1265' north of Oakwood Rd)
SW-19	Dodge	USH 151 NB	141.86	E1-5-P E4-1-A	108" x 30" 228" x 90" (19' x 7.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 142 M BUS 151 Waupun [TR]				1				22.5 142.5			1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-20	Dodge	USH 151 NB	142.79	E1-5-P E1-1-A	108" x 30" 168" x 126" (14' x 10.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 144 26 Waupun 1 MILE				1				22.5 147			1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-21	Dodge	USH 151 NB	143.54	E3-1	132" x 54" (11' x 4.5')	Supplemental Guide Sign	Rosendale AHEAD			555.20			1.2	68	49.5			1			2				Install new sign 10' north of existing sign (Type A Bases and Supports) (6650' north of CTH M)
SW-22	Dodge	USH 151 NB	143.81	E1-5-P E4-1-A	108" x 30" 204" x 90" (17' x 7.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 144 26 Waupun [TR]			1037.00					22.5 127.5			1			2				Install above E4-1-A Install new sign and supports on existing bases (Type B Bases and Supports)
SW-23	Dodge	USH 151 NB	144.69	D2-2		Destination/Distance (Two)	HWY 49 1 Fond du Lac 20											1			2				Remove Only
SW-24	Dodge	USH 151 NB	145.04	E1-5-P E1-1-A	108" x 30" 216" x 156" (18' x 13')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 146 49 Waupun Brownsville 1 MILE				1				22.5 234			1							Install above E1-1-A Install new sign on existing steel supports (Type C Bases and Supports)
SW-25	Dodge	USH 151 NB	145.23	E3-1		Supplemental Guide Sign	Horicon Nat'l Wildlife Refuge Ripon College EXIT 146											1			2				Remove Only
SW-26	Dodge	USH 151 NB	146.04	E1-5-P E4-1-A	108" x 30" 252" x 126" (21' x 10.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 146 49 Waupun [TR] Brownsville				1				22.5 220.5			1							Install above E4-1-A Install new sign on existing steel supports (Type C Bases and Supports)

3

PROJECT NO: 1000-20-75

HWY: VARIOUS

COUNTY: VARIOUS – SW REGION

MISCELLANEOUS QUANTITIES

SHEET NO:

E

FILE NAME : _____

PLOT DATE : _____

PLOT BY : _____

PLOT NAME : _____

ORG DATE : _____

ORIGINATOR : DIST _

PLOT SCALE : 1:1

3

								204.0195	634.0620	635.02	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION	635.9010.S	636.0100	636.0500	637.1220	637.2210	638.2101	638.2601	638.2602	638.3000	638.3100	638.3210	638.3610	SPV.0165.01	
SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (LOCATION)	CODE	SIZE	DESCRIPTION	ORDER LINES	REMOVING CONCRETE BASES EACH	WOOD POSTS 4X6-INCH X 20-FT EACH	SIGN SUPPORTS STRUCTURAL STEEL HS LB	SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	SIGN SUPPORTS SHORTEN STRUCTURAL STEEL EACH	SIGN SUPPORTS CONCRETE MASONRY CY	SIGN SUPPORTS STEEL REINFORCEMENT HS LB	SIGNS TYPE I REFLECTIVE SH SF	SIGNS TYPE II REFLECTIVE H SF	MOVING SIGNS TYPE I EACH	REMOVING SIGNS TYPE I EACH	REMOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH	REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	REVISING SIGNS TYPE I EACH	ERECTING STATE OWNED SIGNS TYPE I EACH	MODIFYING SIGNS TYPE I SF	NOTES
SW-27	Dodge	USH 151 SB	145.44	E1-5-P E1-1-A	108" x 30" 156" x 156" (13' x 13')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 144 26 Waupun Juneau 1 MILE				1				22.5 169			1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-28	Dodge	USH 151 SB	144.65	E3-1	132" x 60" (11' x 5')	Supplemental Guide Sign	Watertown EXIT 144			532.40			1.2	68	55			1			2				Install new sign 10' south of existing sign (Type A Bases and Supports) (8815' south of STH 49)
SW-29	Dodge	USH 151 SB	144.46	E1-5-P E4-1-A	108" x 30" 192" x 126" (16' x 10.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 144 26 Waupun [TR] Juneau				1				22.5 168			1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-30	Dodge	USH 151 SB	141.16	D2-3	204" x 84" (17' x 7')	Destination/Distance (Three)	Beaver Dam 10 Columbus 23 Madison 50				1				119			1							Install new sign on existing steel supports (Type B Bases and Supports)
SW-31	Dodge	USH 151 SB	137.56	E1-5-P E1-1-A	108" x 30" 180" x 120" (15' x 10')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 136 A Fox Lake 1 MILE			1005.00			1.6	98	22.5 150			1			2				Install above E1-1-A Install new sign 10' south of existing sign (Type B Bases and Supports) (2270' south of Breezy Point Rd)
SW-32	Dodge	USH 151 SB	136.58	E1-5-P E4-1-A	108" x 30" 216" x 90" (18' x 7.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 136 A Fox Lake [TR]				1				22.5 135			1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-33	Dodge	USH 151 SB	135.94	E9-1	156" x 54" (13' x 4.5')	(Name) Next _ Exits	Beaver Dam NEXT 4 EXITS			521.60			1.2	68	58.5			1			2				Install new sign 10' south of existing sign (Type A Bases and Supports) (1740' south of CTH A)
SW-34	Dodge	USH 151 SB	135.59	E1-5-P E1-1-A	108" x 30" 228" x 120" (19' x 10')	Exit Direction Sign with Arrow Advance Exit Guide Sign, _ Mile	EXIT 135 B BUS 151 Beaver Dam 1 MILE				1				22.5 190			1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-35	Dodge Columbia	USH 151 SB	135.00	E1-5-P E4-1-A	108" x 30 264" x 96" (22' x 8')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 135 B BUS 151 Beaver Dam [TR]				1				22.5 176			1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-36	Columbia	IH 39 NB	116.70	E3-1	180" x 84" (15' x 7')	Supplemental Guide Sign	MacKenzie Center EXIT 115					2												60	Remove panels with "Environmental Education" (Type B Bases and Supports)
SW-37	Columbia	IH 39 SB	115.24	E3-1	180" x 84" (15' x 7')	Supplemental Guide Sign	MacKenzie Center EXIT 115					2												60	Remove panels with "Environmental Education" (Type B Bases and Supports)
SW-38	Dane	USH 12 WB	253.04	E8-1	276" x 90" (23' x 7.5')	Interchange Sequence Sign	Greenway Blvd 1/4 14 University Ave 1 1/4 M Airport Rd 2								172.5			1							S-13-58 I Beams Incidental
SW-39	Dane	USH 12 WB	252.00	E6-51	192" x 120" (16' x 10')	Advance Exit Guide Sign (Overhead)	12 WEST Baraboo [DA] [DA]								160			1							S-13-198 I Beams Incidental
SW-40	Dane	USH 12 WB	252.00	E1-5-P E6-1	132" x 30" 204" x 84" (17' x 7')	Exit Number for E1-1 & E4-1 Exit Gore Sign (Overhead)	EXIT 251 B Parmenter St EXIT [TR] ONLY								27.5 119			1							Install above E6-1 S-13-198 I Beams Incidental
SW-41	Dane	USH 12 WB	252.00	E1-5-P E6-1	132" x 30" 192" x 156" (16' x 13')	Exit Number for E1-1 & E4-1 Exit Gore Sign (Overhead)	EXIT 251 A 14 WEST Spring Green La Crosse EXIT [TR] ONLY								27.5 208			1							Install above E6-1 S-13-198 I Beams Incidental
SW-42	Dane	USH 12 WB	Off Ramp to University Ave	E1-5-P E6-51	132" x 30" 204" x 72" (17' x 6')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign (Overhead)	EXIT 251 B Parmenter St [DA]								27.5 102			1							Install above E6-51 S-13-197 I Beams Incidental
SW-43	Dane	USH 12 WB	Off Ramp to University Ave	E1-5-P E6-1	132"x 30" 240" x 120" (20' x 10')	Exit Number for E1-1 & E4-1 Exit Gore Sign (Overhead)	EXIT 251 A 14 WEST Spring Green [TR] La Crosse								27.5 200			1							Install above E6-1 S-13-197 I Beams Incidental
SW-44	Dane	USH 12 WB	251.52	E1-5-P E6-51	120" x 30" 192" x 162" (16' x 13.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign (Overhead)	EXIT 250 M Airport Rd Century Ave 1/4 MILE EXIT [DA] ONLY								25 216			1							Install above E6-51 S-13-195 I Beams Incidental
SW-45	Dane	USH 12 WB	251.35	E8-1	228" x 96" (19' x 8')	Interchange Sequence Sign	M Airport Rd 1/8 Parmenter St 1 1/4 K 2 1/2								152			1							S-13-194 I Beams Incidental
SW-46	Dane	USH 12 WB	251.35	E3-1	156" x 138" (13' x 11.5')	Supplemental Guide Sign	Gov Nelson State Park Mendota County Park EXIT 250				1				149.5			1							Install new sign on existing steel supports (Type B Bases and Supports)
SW-47	Dane	USH 12 WB	251.15	E1-5-P E6-1	120" x 30" 192" x 150" (16' x 12.5')	Exit Number for E1-1 & E4-1 Exit Gore Sign (Overhead)	EXIT 250 M Airport Rd Century Ave EXIT [TR] ONLY								25 200			1							Install above E6-1 S-13-192 I Beams Incidental
SW-48	Dane	USH 12 WB	250.96	E1-5-P E1-1-A	120" x 30" 252" x 66" (21' x 5.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 249 Parmenter St 3/4 MILE				1				25 115.5			1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-49	Dane	USH 12 WB	250.41	D4-4	144" x 90" (12' x 7.5')	Park & Ride - Car Symbol	[CAR] Park & Ride EXIT 249				1				90			1							Install new sign on existing steel supports (Type A Bases and Supports)
SW-50	Dane	USH 12 WB	250.26	E1-5-P E4-1-A	120" x 30" 288" x 48" (24' x 4')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 249 Parmenter St [TR]				1				25 96			1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)

3

PROJECT NO: 1000-20-75

HWY: VARIOUS

COUNTY: VARIOUS – SW REGION

MISCELLANEOUS QUANTITIES

SHEET NO:

E

FILE NAME : _____

PLOT DATE : _____

PLOT BY : _____

PLOT NAME : _____

ORG DATE : _____

ORIGINATOR : DIST _

PLOT SCALE : 1:1

3

								204.0195	634.0620	635.02	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	635.9010.S SIGN SUPPORTS SHORTEN STRUCTURAL STEEL EACH	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT HS LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2101 MOVING SIGNS TYPE I EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	638.3210 REVISING SIGNS TYPE I EACH	638.3610 ERECTING STATE OWNED SIGNS TYPE I EACH	SPV.0165.01 MODIFYING SIGNS TYPE I SF	
SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (LOCATION)	CODE	SIZE	DESCRIPTION	ORDER LINES	REMOVING CONCRETE BASES EACH	WOOD POSTS 4X6-INCH X 20-FT EACH	SIGN SUPPORTS STRUCTURAL STEEL HS LB															NOTES
SW-51	Dane	USH 12 WB	249.51	W19-1	180" x 102" (15' x 8.5')	Freeway Ends	FREEWAY ENDS 1/4 MILE				1				127.5			1							Install new sign on existing steel supports (Type B Bases and Supports)
SW-52	Dane	USH 12 WB	249.51	W19-1	180" x 102" (15' x 8.5')	Freeway Ends	FREEWAY ENDS 1/4 MILE				1				127.5			1							Install new sign on existing steel supports (Type B Bases and Supports)
SW-53	Dane	USH 12 WB	249.43	D2-2	180" x 60" (15' x 5')	Destination/Distance (Two)	Sauk City 15 Baraboo 31				1				75			1							Install new sign on existing steel supports (Type A Bases and Supports)
SW-54	Dane	USH 12 EB	248.94	E1-5-P E1-1-A	120" x 30" 252" x 66" (21' x 5.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 249 Parmenter St 3/4 MILE				1				25 115.5			1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-55	Dane	USH 12 EB	249.02	D4-4	144" x 90" (12' x 7.5')	Park & Ride - Car Symbol	[CAR] Park & Ride EXIT 249				1				90			1							Install new sign on existing steel supports (Type A Bases and Supports)
SW-56	Dane	USH 12 EB	249.18	E9-1	132" x 54" (11' x 4.5')	(Name) Next _ Exits	Middleton NEXT 4 EXITS				1				49.5			1							Install new sign on existing steel supports (Type A Bases and Supports)
SW-57	Dane	USH 12 EB	249.62	E1-5-P E4-1-A	120" x 30" 288" x 48" (24' x 4')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 249 Parmenter St [TR]				1				25 96			1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-58	Dane	USH 12 EB	250.10	E1-5-P E1-1-A	120" x 30" 228" x 150" (19' x 12.5')	Exit Number Advance Exit Guide Sign, _ Miles	EXIT 250 M Airport Rd Century Ave 1/2 MILE				1				25 237.5			1							Install above E1-1-A Install new sign on existing steel supports (Type E Bases and Supports)
SW-59	Dane	USH 12 EB	250.38	E8-1	276" x 96" (23' x 8')	Interchange Sequence Sign	M Airport Rd 1/4 14 University Ave 1 1/4 Greenway Blvd 2								184										S-13-191 Reuse I Beams
SW-60	Dane	USH 12 EB	250.44	E3-1	156" x 138" (13' x 11.5')	Supplemental Guide Sign	Gov Nelson State Park Mendota County Park EXIT 250				1				149.5			1							Install new sign on existing steel supports (Type B Bases and Supports)
SW-61	Dane	USH 12 EB	250.64	E1-5-P E4-1-A	120" x 30" 264" x 120" (22' x10')	Exit Number for E1-1 & E4-1 Exit Gore Sign (Overhead)	EXIT 250 M Airport Rd [TR] Century Ave [TR]				1				25 220			1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-62	Dane	USH 12 EB	251.26	E1-5-P E6-51	132" x 30" 192" x 174" (16' x 14.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign (Overhead)	EXIT 251 A 14 WEST Spring Green La Crosse 1/2 MILE EXIT [DA] ONLY								27.5 232			1							Install above E6-51 S-13-193 Reuse I beams
SW-63	Dane	USH 12 EB	251.36	E8-1	288" x 96" (24' x 8')	Interchange Sequence Sign	14 University Ave 1/4 Greenway Blvd 1 Old Sauk Rd 2 1/4								192			1							S-13-194 I Beams Incidental
SW-64	Dane	USH 12 EB	251.40	E3-1	180" x 84" (15' x 7')	Supplemental Guide Sign	University Ave UW Madison EXIT 251 A				1				105			1							Install new sign on existing steel supports (Type B Bases and Supports)
SW-65	Dane	USH 12 EB	251.54	E6-51	192" x 90" (16' x 7.5')	Advance Exit Guide Sign (Overhead)	12 14 EAST [DA] [DA]								120			1							S-13-196 I Beams Incidental
SW-66	Dane	USH 12 EB	251.54	E1-5-P E6-1	132" x 30" 192" x 156" (16' x 13')	Exit Number for E1-1 & E4-1 Exit Gore Sign (Overhead)	EXIT 251 A 14 WEST Spring Green La Crosse EXIT [TR] ONLY								27.5 208			1							Install above E6-1 S-13-196 I Beams Incidental
SW-67	Dane	USH 12 EB	251.78	E1-5-P E1-1-A	120" x 30" 264" x 72" (22' x 6')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, __ Mile	EXIT 252 Greenway Blvd 1/2 MILE				1				25 132			1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
SW-68	Dane	USH 12 EB	252.04	E1-5-P E6-51	120" x 30" 216" x 96" (18' x 8')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign (Overhead)	EXIT 252 Greenway Blvd 1/4 MILE EXIT [DA] ONLY								25 144			1							Install above E6-51 S-13-199 I Beams Incidental
SW-69	Dane	USH 12 EB	256.71	E1-5-P E4-1-A	120" x 30" 240" x 72" (20' x 6')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, __ Mile	EXIT 257 Whitney Way 1/2 MILE				1				25 120			1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
REGION SUBTOTAL								0	0	8590.8	36	4	14	830	9795.5	0	1	65	0	3	26	0	0	120	
PROJECT NO: 1000-20-75								HWY: VARIOUS				COUNTY: VARIOUS – SW REGION				MISCELLANEOUS QUANTITIES				SHEET NO:			E		

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								204.0195	634.0620	635.02	635.0300	635.9010.S	636.0100	636.0500	637.1220	637.2210	638.2601	638.2602	638.3000	638.3100	638.3210	638.3610	SPV.0165.01	
SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (LOCATION)	CODE	SIZE	DESCRIPTION	ORDER LINES	REMOVING CONCRETE BASES EACH	WOOD POSTS 4X6-INCH X 20-FT EACH	SIGN SUPPORTS STRUCTURAL STEEL HS LB	SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	SIGN SUPPORTS SHORTEN STRUCTURAL STEEL EACH	SIGN SUPPORTS CONCRETE MASONRY CY	SIGN SUPPORTS STEEL REINFORCEMENT HS LB	SIGNS TYPE I REFLECTIVE SH SF	SIGNS TYPE II REFLECTIVE H SF	REMOVING SIGNS TYPE I EACH	REMOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH	REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	REVISING SIGNS TYPE I EACH	ERECTING STATE OWNED SIGNS TYPE I EACH	MODIFYING SIGNS TYPE I SF	NOTES
NE-1	Winnebago	USH 45 NB	STH 116 Interchange	E1-51-A	216" x 120" (18' x 10')	Advance Exit Guide Sign, Exit _ Mile	116 GG Winneconne EXIT 1 MILE				1				180		1							Install new sign on existing steel supports (Type B Bases and Supports)
NE-2	Winnebago	USH 45 NB	STH 116 Interchange	E4-1-A	252" x 96" (21' x 8')	Exit Direction Sign with Arrow	116 GG Winneconne [TR]				1				168		1							Install new sign on existing steel supports (Type B Bases and Supports)
NE-3	Winnebago	USH 45 NB	CTH II Interchange	E1-51-A	156" x 84" (13' x 7')	Advance Exit Guide Sign, Exit _ Mile	II EXIT 1 MILE					2			91		1							Install new sign on existing steel supports Shorten steel sign supports (Type B Bases and Supports)
NE-4	Winnebago	USH 45 NB	CTH II Interchange	E4-1-A	120" x 54" (10' x 4.5')	Exit Direction Sign with Arrow	II [TR]			561.2			1.2	68	45		1			2				Install new sign 10' north of existing sign (Type A Bases and Supports) (4595' north of Grandview Rd)
NE-5	Winnebago	USH 45 SB	CTH II Interchange	E1-51-A	168" x 84" (14' x 7')	Advance Exit Guide Sign, Exit _ Mile	II EXIT 1/2 MILE					2			98		1							Install new sign and supports on existing bases Shorten steel sign supports (Type B Bases and Supports)
NE-6	Winnebago	USH 45 SB	CTH II Interchange	E4-1-A	120" x 54" (10' x 4.5')	Exit Direction Sign with Arrow	II [TR]			557.6			1.2	68	45		1							Install new sign 10' south of existing sign (Type A Bases and Supports) (3750' south of USH 10)
NE-7	Winnebago	USH 45 SB	CTH II Interchange	D2-1	156" x 36" (13' x 3')	Destination/Distance (One)	Oshkosh 14			488			1.2	68	39			1	2					Install new sign 2112' south of existing sign (Type A Bases and Supports) (5913' south of CTH II)
NE-8	Winnebago	USH 45 SB	STH 116 Interchange	E1-51-A	216" x 120" (18' x 10')	Advance Exit Guide Sign, Exit _ Mile	116 GG Winneconne EXIT 1 MILE				1				180		1							Install new sign on existing steel supports (Type B Bases and Supports)
NE-9	Winnebago	USH 45 SB	STH 116 Interchange	E4-1-A	252" x 96" (21' x 8')	Exit Direction Sign with Arrow	116 GG Winneconne [TR]				1				168		1							Install new sign and supports on existing bases (Type B Bases and Supports)
NE-10	Winnebago	USH 45 SB	STH 116 Interchange	D2-1	144" x 36" (12' x 3')	Destination/Distance (One)	Oshkosh 8			488			1.2	68	36			1	2					Install new sign 10' south of existing sign (Type A Bases and Supports) (3300' south of STH 116)
NE-11	Fond du Lac	IH 41 NB	94.96	E8-1	228" x 90" (19' x 7.5')	Interchange Sequence Sign	45 151 3/4 Hickory St 2 D Military Rd 3				1				142.5		1							Install new sign on existing steel supports (Type B Bases and Supports)
NE-12	Fond du Lac	IH 41 NB	98.4	E8-1	276" x 66" (23' x 5.5')	Interchange Sequence Sign	45 23 Johnson St 1 OO Winnebago St 2 3/4				1										1			Shift "23 Johnson St 1" right; add USH 45 shield (Type B Bases and Supports)
NE-13	Fond du Lac	IH 41 NB	106.93	D2-3	180" x 84" (15' x 7')	Destination/Distance (Three)	26 6 Oshkosh 12 Green Bay 63				1				105		1							Install new sign on existing steel supports (Type B Bases and Supports)
NE-14	Fond du Lac	IH 41 SB	103.73	E8-1	288" x 96" (24' x 8')	Interchange Sequence Sign	OO Winnebago St 1 3/4 45 23 Johnson St 3 3/4 D Military Rd 5 3/4				1				192		1							Install new sign on existing steel supports (Type B Bases and Supports)
NE-15	Fond du Lac	IH 41 SB	100.6	E8-1	264" x 96" (22' x 8')	Interchange Sequence Sign	45 23 Johnson St 1/2 D Military Rd 2 1/2 Hickory St 3 1/4			880.52			1.6	98	176		1							Install new sign 10' south of existing sign (Type B Bases and Supports) (5175' South of Winnebago St)
NE-16	Fond du Lac	IH 41 SB	98.71	E8-1	228" x 96" (19' x 8')	Interchange Sequence Sign	D Military Rd 1/2 Hickory St 1 1/2 45 151 2 1/2			585.06					152		1							Install new sign and supports on existing bases (Type B Bases and Supports)
NE-17	Fond du Lac	USH 151 NB	STH 26 North Interchange	E1-5-P E1-1-A	108" x 30" 192" x 126" (16' x 10.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 148 26 NORTH Rosendale 1/2 MILE					2			22.5 168		1							Install above E1-1-A Install new sign on existing steel supports Shorten steel sign supports (Type B Bases and Supports)
NE-18	Fond du Lac	USH 151 NB	STH 26 North Interchange	E1-5-P E4-1-A	108" x 30" 228" x 96" (19' x 8')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 148 26 NORTH Rosendale [TR]					2			22.5 152		1							Install above E4-1-A Install new sign on existing steel supports Shorten steel sign supports (Type B Bases and Supports)
NE-19	Fond du Lac	USH 151 SB	STH 26 North Interchange	E1-5-P E1-1-A	108" x 30" 192" x 126" (16' x 10.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 148 26 NORTH Rosendale 1 MILE					2			22.5 168		1							Install above E1-1-A Install new sign on existing steel supports Shorten steel sign supports (Type B Bases and Supports)
NE-20	Fond du Lac	USH 151 SB	STH 26 North Interchange	E3-1	120" x 114" (10' x 9.5')	Supplemental Guide Sign	SOUTH 26 AHEAD			498.16					95		1			2				Install new sign and supports on existing bases (Type A Bases and Supports)
NE-21	Fond du Lac	USH 151 SB	STH 26 North Interchange	E1-5-P E4-1-A	108" x 30" 228" x 96" (19' x 8')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 148 26 NORTH Rosendale [TR]					2			22.5 152		1							Install above E4-1-A Install new sign on existing steel supports Shorten steel sign supports (Type B Bases and Supports)
NE-22	Fond du Lac	USH 151 SB	Bus 151 Interchange	E9-1	132" x 54" (11' x 4.5')	(Name) Next _ Exits	Waupun NEXT 3 EXITS			478.16			1.2	68	49.5		1			2				Install new sign 10' south of existing sign (Type A Bases and Supports) (2905' south of STH 26 North)
NE-23	Fond du Lac	USH 151 SB	Bus 151 Interchange	E1-5-P E1-1-A	108" x 30" 180" x 126" (15' x 10.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 147 26 BUS 151 Waupun 1/2 MILE				1				22.5 157.5		1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NE-24	Fond du Lac	USH 151 SB	Bus 151 Interchange	E3-1		Supplemental Guide Sign	Madison AHEAD										1			2				Remove only
NE-25	Fond du Lac	USH 151 SB	Bus 151 Interchange	E1-5-P E4-1-A	108" x 30" 216" x 96" (18' x 8')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 147 26 BUS 151 Waupun [TR]				1				22.5 144		1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NE-26	Fond du Lac	USH 151 SB	STH 49 Interchange	E1-5-P E1-1-A	108" x 30" 216" x 162" (18' x 13.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 146 49 Waupun Brownsville 1/2 MILE				1				22.5 243		1							Install above E1-1-A Install new sign on existing steel supports (Type C Bases and Supports)
NE-27	Fond du Lac	USH 151 SB	STH 49 Interchange	E1-5-P E4-1-A	108" x 30" 252" x 132" (21' x 11')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 146 49 Waupun [TR] Brownsville [TR]				1				22.5 231		1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NE-28	Door	STH 42 NB	Ramp to Bus 42-57	D1-56-SR	108" x 42"	Business District (Right Arrow) Stacked Message	Business [TR] District [TR]									31.5	1							S-15-1

3

PROJECT NO: 1000-20-75

HWY: VARIOUS

COUNTY: VARIOUS – NE REGION

MISCELLANEOUS QUANTITIES

SHEET NO:

E

SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (LOCATION)	CODE	SIZE	DESCRIPTION	ORDER LINES	204.0195 REMOVING CONCRETE BASES EACH	634.0620 WOOD POSTS 4X6-INCH X 20-FT EACH	635.02 SIGN SUPPORTS STRUCTURAL STEEL HS LB	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	635.9010.S SIGN SUPPORTS SHORTEN STRUCTURAL STEEL EACH	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT HS LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	638.3210 REVISING SIGNS TYPE I EACH	638.3610 ERECTING STATE OWNED SIGNS TYPE I EACH	SPV.0165.01 MODIFYING SIGNS TYPE I SF	NOTES	
NE-29	Fond du Lac	USH 151 SB	STH 23 Interchange	E1-51-A	216" x 126" (18' x 10.5')	Advance Exit Guide Sign, Exit _ Mile	23 Johnson St EXIT 1/2 MILE				1				189			1							Install new sign on existing steel supports (Type B Bases and Supports)
NE-30	Fond du Lac	USH 151 SB	STH 23 Interchange	E4-1-A	252" x 96" (21' x 8')	Exit Direction Sign with Arrow	23 Johnson St [TR]				1				168			1							Install new sign on existing steel supports (Type B Bases and Supports)
NE-31	Brown	IH 43 NB	185.36	E1-5-P E4-1-A	120" x 30" 288" x 132" (24' x 11')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 185 54 57 Sturgeon Bay [TR] Algoma [TR]			1093			1.8	100	22.5 264			1			2				Install new sign 200' north of existing location (Type C Bases and Supports) (2 miles north of Mason St)
REGION SUBTOTAL								0	0	5629.7	14	12	9.4	538	4201	31.5	28	2	4	10	1	0	0		

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								204.0195	634.0620	635.02	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION	635.9010.S SIGN SUPPORTS SHORTEN STRUCTURAL STEEL EACH	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT HS LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	638.3210 REVISING SIGNS TYPE I EACH	638.3610 ERECTING STATE OWNED SIGNS TYPE I EACH	SPV.0165.01 MODIFYING SIGNS TYPE I SF	
SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (LOCATION)	CODE	SIZE	DESCRIPTION	ORDER LINES	REMOVING CONCRETE BASES EACH	WOOD POSTS 4X6-INCH X 20-FT EACH	SIGN SUPPORTS STRUCTURAL STEEL HS LB														NOTES
NC-1	Portage	USH 10 EB	230.69	D2-3	264" x 84" (22' x 7')	Destination/Distance (Three)	Amherst Junction 6 Waupaca 21 Appleton 60			814.6			1.6	98	154									Install new sign 845' east of Speed Limit 65 sign (Type B Bases and Supports) (3590' east of CTH J)
NC-2	Portage	USH 10 EB	237.37	E1-5-P E1-1-A	120" x 30" 168" x 150" (14' x 12.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 238 B WEST Plover Amherst 1 MILE				1				25 175		1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-3	Portage	USH 10 EB	238.34	E1-5-P E4-1-A	120" x 30" 204" x 126" (17' x 10.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 238 B WEST Plover [TR] Amherst [TR]				1				25 178.5		1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-4	Portage	USH 10 EB	239.36	E1-5-P E1-1-A	120" x 30" 168" x 144" (14' x 12')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 240 EAST A B Amherst 1 MILE			817.7					25 168		1			2				Install above E1-1-A Install new sign and supports on existing bases (Type B Bases and Supports)
NC-5	Portage	USH 10 EB	240.36	E1-5-P E4-1-A	120" x 30" 204" x 114" (17' x 9.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 240 A B EAST Amherst [TR]			747.3					25 161.5		1			2				Install above E4-1-A Install new sign and supports on existing bases (Type B Bases and Supports)
NC-6	Portage	USH 10 EB	241.50	D2-3	168" x 60" (14' x 5')	Destination/Distance (Two)	Waupaca 10 Appleton 49			574.4			1.2	68	70			1	2					Install new sign 10' east of existing sign (Type A Bases and Supports) (4385' east of CTH A)
NC-7	Waupaca	USH 10 EB	249.95	E1-5-P E1-1-A	120" x 30" 204" x 150" (17' x 12.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 250 NORTH WEST 49 54 Waupaca 1/2 MILE			638.5					25 212.5		1			2				Install above E1-1-A Install new sign and supports on existing bases (Type B Bases and Supports)
NC-8	Waupaca	USH 10 EB	250.43	E1-5-P E4-1-A	120" x 30" 228" x 120" (19' x 10')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 250 NORTH WEST 49 54 Waupaca [TR]			771.3					25 190		1			2				Install above E4-1-A Install new sign and supports on existing bases (Type B Bases and Supports)
NC-9	Waupaca	USH 10 EB	251.64	E3-1	180" x 84" (15' x 7')	Supplemental Guide Sign	Wisconsin Verterans Home EXIT 252				1				105		1							Install new sign on existing steel supports (Type B Bases and Supports)
NC-10	Waupaca	USH 10 EB	255.95	D2-3	192" x 84" (16' x 7')	Destination/Distance (Three)	Weyawega 5 Berlin 32 Appleton 35				1				112		1							Install new sign on existing steel supports (Type B Bases and Supports)
NC-11	Waupaca	USH 10 EB	259.15	E1-5-P E1-1-A	144" x 30" 228" x 126" (19' x 10.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 260A 110 NORTH X Weyawega 1/2 MILE			732.9					30 199.5		1			2				Install above E1-1-A Install new sign and supports on existing bases (Type B Bases and Supports)
NC-12	Waupaca	USH 10 EB	259.48	E3-1	156" x 84" (13' x 7')	Supplemental Guide Sign	Waupaca Co Fairgrounds EXIT 260A			500.8					91		1			2				Install new sign and supports on existing bases (Type A Bases and Supports)
NC-13	Waupaca	USH 10 EB	259.64	E1-5-P E4-1-A	144" x 30" 264" x 96" (22' x 8')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 260A 110 NORTH X Weyawega [TR]			693.7					30 176		1			2				Install above E4-1-A Install new sign and supports on existing bases (Type B Bases and Supports)
NC-14	Waupaca	USH 10 EB	261.43	D2-3	168" x 84" (14' x 7')	Destination/Distance (Three)	Fremont 7 Berlin 27 Appleton 29				1				98		1							Install new sign on existing steel supports (Type B Bases and Supports)
NC-15	Waupaca	USH 10 EB	263.77	E1-5-P E1-1-A	120" x 30" 168" x 156" (14' x 13')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 264 49 110 Berlin Fremont 1/2 MILE				1				25 182		1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-16	Waupaca	USH 10 EB	263.96	D2-3	Remove only	Destination/Distance (Three)	Fremont 1 Appleton 23 Oshkosh 25										1			2				remove only
NC-17	Waupaca	USH 10 EB	264.32	E1-5-P E4-1-A	120" x 30" 204" x 132" (17' x 11')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 264 49 110 Berlin [TR] Fremont [TR]				1				25 187		1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-18	Waupaca	USH 10 EB	265.39	D2-3	168" x 96" (14' x 8')	Destination/Distance (Three)	96 110 II 2 41 22 Appleton 25			949.00			1.6	98	112									Install new sign 1583' east of Speed Limit 65 sign (Type B Bases and Supports) (4385' east of STH 49)
NC-19	Waupaca	USH 10 EB	266.05	E1-5-P E1-1-A	120" x 30" 192" x 126" (16' x 10.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 267 96 110 II Fremont 1 MILE				1				25 168		1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-20	Waupaca	USH 10 EB	267.51	E1-5-P E4-1-A	120" x 30" 228" x 96" (19' x 8')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 267 96 110 II Fremont [TR]				1				25 152		1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-21	Waupaca	USH 10 EB	268.60	D2-3	168" x 96" (14' x 8')	Destination/Distance (Three)	45 5 41 19 Appleton 22			910.6			1.6	98	112		1			2				Install new sign 10' east of existing sign (Type B Bases and Supports) (4065' east of CTH II)
NC-22	Waupaca	USH 10 WB	260.09	E1-5-P E1-1-A	120" x 30" 192" x 126" (16' x 10.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 267 96 110 II Fremont 1 MILE				1				25 168		1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-23	Waupaca	USH 10 WB	268.15	E1-5-P E4-1-A	120" x 30" 228" x 96" (19' x 8')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 267 96 110 II Fremont [TR]				1				25 152		1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)

3

PROJECT NO: 1000-20-75

HWY: VARIOUS

COUNTY: VARIOUS – NC REGION

MISCELLANEOUS QUANTITIES

SHEET NO:

E

FILE NAME : _____

PLOT DATE : _____

PLOT BY : _____

PLOT NAME : _____

ORG DATE : _____

ORIGINATOR : DIST _

PLOT SCALE : 1:1

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SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (LOCATION)	CODE	SIZE	DESCRIPTION	ORDER LINES	204.0195 REMOVING CONCRETE BASES EACH	634.0620 WOOD POSTS 4X6-INCH X 20-FT EACH	635.02 SIGN SUPPORTS STRUCTURAL STEEL HS LB	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	635.9010.S SIGN SUPPORTS SHORTEN STRUCTURAL STEEL EACH	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT HS LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	638.3210 REVISING SIGNS TYPE I EACH	638.3610 ERECTING STATE OWNED SIGNS TYPE I EACH	SPV.0165.01 MODIFYING SIGNS TYPE I SF	NOTES			
NC-24	Waupaca	USH 10 WB	266.70	D2-3	228" x 84" (19' x 7')	Destination/Distance (Three)	Weyauwega 7 Waupaca 16 Stevens Point 43				1				133		1								Install new sign on existing steel supports (Type A Bases and Supports)		
NC-25	Waupaca	USH 10 WB	265.51	E1-5-P E1-1-A	120" x 30" 204" x 150" (17' x 12.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 264 SOUTH SOUTH 49 110 Berlin 1/2 MILE			968.2			1.6	98	25 212.5		1			2					Install above E1-1-A Install new sign 10' west of existing sign (Type B Bases and Supports) (2.29 miles west of CTH ll)		
NC-26	Waupaca	USH 10 WB	264.97	E1-5-P E4-1-A	120" x 30" 240" x 120" (20' x 10')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 264 SOUTH SOUTH 49 110 Berlin [TR]				1				25 200		1								Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)		
NC-27	Waupaca	USH 10 WB	264.05	D2-3	228" x 84" (19' x 7')	Destination/Distance (Three)	Weyawega 4 Waupaca 13 Stevens Point 40				1				133		1								Install new sign on existing steel supports (Type B Bases and Supports)		
NC-28	Waupaca	USH 10 WB	261.72	E1-5-P E1-1-A	144" x 30" 216" x 120" (18' x 10')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 260B F Weyauwega 1/2 MILE					2			30 180		1								Install above E1-1-A Install new sign on existing steel supports Shorten steel sign supports (Type C Bases and Supports)		
NC-29	Waupaca	USH 10 WB	261.61	E3-1	156" x 84" (14' x 7')	Supplemental Guide Sign	Waupaca Co Fairgrounds EXIT 260B			534.4					98		1								Install new sign and supports on existing bases (Type A Bases and Supports)		
NC-30	Waupaca	USH 10 WB	261.20	E1-5-P E4-1-A R12-53	144" x 30" 252" x 90" (21' x 7.5') 24" x 30"	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 260B F Weyauwega [TR] [R12-53] Waupaca Co					2			30 157.5	5	1	1							Install above E4-1-A Install new sign on existing steel supports Shorten steel sign supports Install below E4-1-A (Type B Bases and Supports)		
NC-31	Waupaca	USH 10 WB	260.35	E4-1-A	144" x 30" 264" x 96" (22' x 8')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 260A 110 NORTH X Weyauwega [TR]			754					30 176		1								Install above E4-1-A Install new sign on existing steel supports (Type C Bases and Supports)		
NC-32	Waupaca	USH 10 WB	258.99	D2-2	228" x 60" (19' x 5')	Destination/Distance (Two)	Waupaca 7 Stevens Point 36			877.00			1.6	98	95										Install new sign 1055' west of Speed Limit 65 sign (Type B Bases and Supports) (5280' west of CTH X)		
NC-33	Waupaca	USH 10 WB	252.58	E3-1	remove	Supplemental Guide Sign	Chain O' Lakes NEXT RIGHT										1			2					Remove Only		
NC-34	Waupaca	USH 10 WB	252.43	E3-1	180" x 84" (15' x 7')	Supplemental Guide Sign	Wisconsin Veterans Home EXIT 252			557.6			1.2	68	105		1			2					Install new sign 510' east of existing sign (Type A Bases and Supports) (4,980' west of Churchill St)		
NC-35	Waupaca	USH 10 WB	251.58	E1-5-P E1-1-A	120" x 30" 204" x 186" (17' x 15.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 250 NORTH WEST 49 54 Waupaca Wis Rapids 1/2 MILE			1177.7					25 263.5		1								Install above E1-1-A Install new sign and supports on existing bases (Type C Bases and Supports)		
NC-36	Waupaca	USH 10 WB	251.04	E1-5-P E4-1-A	120" x 30" 240" x 156" (20' x 13')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 250 NORTH WEST 49 54 Waupaca [TR] Wis Rapids				1				25 260		1								Install above E4-1-A Install new sign on existing steel supports (Type C Bases and Supports)		
NC-37	Portage	USH 10 WB	241.93	E1-5-P E1-1-A	120" x 30" 168" x 144" (14' x 12')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 240 EAST A B Amherst 1 MILE			820.1					25 168		1								Install above E1-1-A Install new sign and supports on existing bases (Type B Bases and Supports)		
NC-38	Portage	USH 10 WB	240.91	E1-5-P E4-1-A	120" x 30" 204" x 114" (17' x 9.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 240 EAST A B Amherst [TR]			657.7					25 161.5		1								Install above E4-1-A Install new sign and supports on existing bases (Type B Bases and Supports)		
NC-39	Portage	USH 10 WB	239.87	E1-5-P E1-1-A	120" x 30" 168" x 150" (14' x 12.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 238 B WEST Plover Amherst 1 MILE				1				25 175		1								Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)		
NC-40	Portage	USH 10 WB	239.56	E3-1	156" x 84" (13' x 7')	Supplemental Guide Sign	Lake Emily County Park EXIT 238			629.6			1.2	68	91		1			2					Install new sign 10' west of existing sign (Type A Bases and Supports) (5650' west of CTH A)		
NC-41	Portage	USH 10 WB	238.87	E4-1-A	120" x 30" 204" x 126" (17' x 10.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 238 B WEST Plover [TR] Amherst				1				25 178.5		1								Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)		
NC-42	Portage	USH 10 WB	237.85	D2-1	216" x 36" (18' x 3')	Destination/Distance (One)	Stevens Point 14			522.8			1.2	68	54										Install new sign 10' west of exsiting sign (Type A Bases and Supports) (3960' west of CTH B)		
NC-43	Portage	USH 10 WB	231.00	E1-5-P E1-1-A	120" x 30" 132" x 90" (11' x 7.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 230 J 3/4 MILE			645.2			1.2	68	25 82.5		1			1					Install above E1-1-A Install new sign 10' west of existing sign (Type A Bases and Supports) (690' west of CTH K)		
NC-44	Portage	USH 10 WB	230.24	E1-5-P E4-1-A	120" x 30" 144" x 54" (12' x 4.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 230 J [TR]					2			25 54		1								Install above E4-1-A Install new sign on existing steel supports Shorten steel sign supports (Type C Bases and Supports)		
PROJECT NO: 1000-20-75										HWY: VARIOUS					COUNTY: VARIOUS – NC REGION					MISCELLANEOUS QUANTITIES					SHEET NO:		E

3

								204.0195	634.0620	635.02	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	635.9010.S SIGN SUPPORTS SHORTEN STRUCTURAL STEEL EACH	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT HS LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	638.3210 REVISING SIGNS TYPE I EACH	638.3610 ERECTING STATE OWNED SIGNS TYPE I EACH	SPV.0165.01 MODIFYING SIGNS TYPE I SF	
SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (LOCATION)	CODE	SIZE	DESCRIPTION	ORDER LINES	REMOVING CONCRETE BASES EACH	WOOD POSTS 4X6-INCH X 20-FT EACH	SIGN SUPPORTS STRUCTURAL STEEL HS LB														NOTES
NC-45	Marathon	USH 51 NB	188.29	E3-1	168" x 162" (14' x 13.5')	Supplemental Guide Sign	Rib Mountain State Park Nine Mile County Forest Rec Area EXIT 188				1				189.5		1							Install new sign on existing steel supports (Type B Bases and Supports)
NC-46	Marathon	USH 51 NB	189.66	E3-1	168" x 126" (14' x 10.5')	Supplemental Guide Sign	Granite Peak Ski Area State Patrol Hdqrs EXIT 190				1				147		1							Install new sign on existing steel supports (Type B Bases and Supports)
NC-47	Marathon	USH 51 SB	189.10	E1-5-P E4-1-A	108" x 30 252" x 90" (21' x 7.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 188 N Rib Mtn Dr [TR]				1				22.5 157.5									Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-48	Waupaca	USH 45 NB	STH 54 Interchange	E1-51	Remove Only	Advance Exit Guide Sign, Exit _ Mile	54 Waupaca Green Bay EXIT 1 MILE										1			2				Remove Only
NC-49	Waupaca	USH 45 NB	STH 54 Interchange	E3-1	Remove Only	Supplemental Guide Sign	New London NEXT RIGHT										1	1	2					Remove Only
NC-50	Waupaca	USH 45 NB	STH 54 Interchange	J1-1	24" x 39"	Junction Assembly	JCT 54		1							6.5								Install new sign 125' north of existing sign NC-49 (9450' north of STH 15)
NC-51	Waupaca	USH 45 NB	STH 54 Interchange	J2-2	48" x 57"	Route Turn Assembly	NORTH 45 54 [UA] [RB]		1							19								Install new sign 325' north of existing sign NC-49 (9650' north of STH 15)
NC-52	Waupaca	USH 45 NB	STH 54 Interchange	D1-4	90" x 48"	Destination/Direction (Four)	[UA] Antigo New London Waupaca [TR] Green Bay		2							30								Install new sign 820' north of existing sign NC-49 (112' north of North Water St)
NC-53	Waupaca	USH 45 NB	STH 54 Interchange	J13-1	24" x 45"	Directional without Cardinal	54 [TR]		1							7.5								Install new sign 15' north of existing sign NC-54 (615' north of Water St)
NC-54	Waupaca	USH 45 NB	STH 54 Interchange	E4-1	Remove Only	Exit Direction Sign with Arrow	54 Waupaca [TR] Green Bay										1			2				Remove Only
NC-55	Waupaca	USH 45 SB	STH 54 Interchange	E1-51	Remove Only	Advance Exit Guide Sign, Exit _ Mile	54 BUS 45 Waupaca Green Bay EXIT 1 MILE										1			2				Remove Only
NC-56	Waupaca	USH 45 SB	STH 54 Interchange	J1-2	48" x 51"	Junction Assembly	JCT JCT BUS 54 45		1							17								Install new sign 150' north of existing sign NC-57 (515' south of Spurr Rd)
NC-57	Waupaca	USH 45 SB	STH 54 Interchange		Remove Only	Supplemental Guide Sign	MOSQUITO HILL NATURE CENTER NEXT RIGHT											1	1					Remove Only
NC-58	Waupaca	USH 45 SB	STH 54 Interchange	J2-3	72" x 57"	Route Turn Assembly	SOUTH BUS 45 54 45 [UA] [RB] [RB]		2							28.5								Install new sign 50' south of existing sign NC-57 (715' south of Spurr Rd)
NC-59	Waupaca	USH 45 SB	STH 54 Interchange	D2-4	90" x 48"	Destination/Direction (Four)	[UA] Oshkosh New London Waupaca [TR] Green Bay		2							30								Install new sign 20' north of existing sign NC-60 (915' south of Spurr Rd)
NC-60	Waupaca	USH 45 SB	STH 54 Interchange	E3-1	Remove Only	Supplemental Guide Sign	Downtown New London NEXT RIGHT										1		2					Remove Only
NC-61	Waupaca	USH 45 SB	STH 54 Interchange	D1-1	72" x 15"	Destination/Direction (One)	Downtown [TR]		2							7.5								Install new sign 200' south of existing GAS sign (1,665' south of Spurr Rd)
NC-62	Waupaca	USH 45 SB	STH 54 Interchange	E4-1	Remove Only	Exit Direction Sign with Arrow	54 BUS 45 Waupaca [TR] Green Bay										1			2				Remove Only
NC-63	Waupaca	USH 45 SB	STH 54 Interchange	J3-2	48" x 57"	Directional Assembly	BUS 54 45 [TR] [TR]		1							19								Install new sign 30' north of existing sign NC-62 (2,240' south of Spurr Rd)
NC-64	Lincoln	USH 51 NB	228.62	E1-5-P E1-1-A	120" x 30" 192" x 150" (16' x 12.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 229 WEST 86 D Tomahawk 1 MILE				1				25 200		1							Install above E1-1-A Install new sign on existing steel supports (Type B bases and supports)
NC-65	Lincoln	USH 51 NB	228.77	E3-1		Remove Only	Camp American Legion 24 MILES AHEAD										1			2				Remove Only
NC-66	Lincoln	USH 51 NB	229.45	E1-5-P E4-1-A	120" x 30" 240" x 120" (20' x 10')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 229 WEST 86 D Tomahawk [TR]				1				25 200		1							Install above E4-1-A Install new sign on existing steel supports (Type B bases and supports)
NC-67	Lincoln	USH 51 NB	230.08	E1-5-P E1-1-A	108" x 30" 192" x 120" (16' x 10')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 231 A Tomahawk 1 MILE				1				22.5 160		1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
PROJECT NO: 1000-20-75								HWY: VARIOUS				COUNTY: VARIOUS – NC REGION				MISCELLANEOUS QUANTITIES				SHEET NO:		E		

3

								204.0195	634.0620	635.02	635.0300	635.9010.S	636.0100	636.0500	637.1220	637.2210	638.2601	638.2602	638.3000	638.3100	638.3210	638.3610	SPV.0165.01	
SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (LOCATION)	CODE	SIZE	DESCRIPTION	ORDER LINES	REMOVING CONCRETE BASES EACH	WOOD POSTS 4X6-INCH X 20-FT EACH	SIGN SUPPORTS STRUCTURAL STEEL HS LB	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	SIGN SUPPORTS SHORTEN STRUCTURAL STEEL EACH	SIGN SUPPORTS CONCRETE MASONRY CY	SIGN SUPPORTS STEEL REINFORCEMENT HS LB	SIGNS TYPE I REFLECTIVE SH SF	SIGNS TYPE II REFLECTIVE H SF	REMOVING SIGNS TYPE I EACH	REMOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH	REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	REVISING SIGNS TYPE I EACH	ERECTING STATE OWNED SIGNS TYPE I EACH	MODIFYING SIGNS TYPE I SF	NOTES
NC-68	Lincoln	USH 51 NB	231.07	E1-5-P E4-1-A	108" x 30" 240" x 90" (20' x 7.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 231 A Tomahawk [TR]				1				22.5 150		1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-69	Lincoln	USH 51 NB	232.92	D2-3	180" x 84" (15' x 7')	Destination/Distance (Three)	Minocqua 25 Woodruff 27 Hurley 81				1				105		1							Install new sign on existing steel supports (Type A Bases and Supports)
NC-70	Lincoln	USH 51 NB	233.82	E1-5-P E1-1-A	120" x 30" 228" x 156" (19' x 13')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 234 8 Prentice Rhineland 1 MILE				1				25 247		1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-71	Lincoln	USH 51 NB	234.60	E1-5-P E4-1-A	120" x 30" 264" x 132" (22' x 11')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 234 8 Prentice [TR] Rhineland				1				25 242		1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-72	Lincoln	USH 51 SB	233.76	D2-3	180" x 84" (15' x 7')	Destination/Distance (Three)	Tomahawk 2 Merrill 24 Wausau 41				1				105		1							Install new sign on existing steel supports (Type A Bases and Supports)
NC-73	Lincoln	USH 51 SB	233.36	E8-1-A	204" x 132" (17' x 11')	Community Interchanges Identification Sign	Tomahawk Exits A 1 1/2 86 3 1/4 S 7				1				187		1							Install new sign on existing steel supports (Type B Bases and Supports)
NC-74	Lincoln	USH 51 SB	232.82	E1-5-P E1-1-A	108" x 30" 192" x 120" (16' x 10')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 231 A Tomahawk 1 MILE				1				25 160		1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-75	Lincoln	USH 51 SB	231.80	E1-5-P E4-1-A	108" x 30" 240" x 90" (20' x 7.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 231 A Tomahawk [TR]				1				25 150		1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-76	Lincoln	USH 51 SB	230.95	E1-5-P E1-1-A	120" x 30" 192" x 150" (16' x 12.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 229 WEST 86 D Tomahawk 1 MILE				1				25 200		1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-77	Lincoln	USH 51 SB	230.01	E1-5-P E4-1-A	120" x 30" 240" x 120" (20' x 10')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 229 WEST 86 D Tomahawk [TR]				1				25 200		1							Install above E4-1-A Install new sign on existing steel supports (Type B bases and supports)
NC-78	Lincoln	USH 51 SB	228.65	D2-2	156" x 60" (13' x 5')	Destination/Distance (Two)	Merrill 19 Wausau 36					2			65		1							Install new sign on existing steel supports Shorten steel sign supports (Type B Bases and Supports)
NC-79	Lincoln	USH 51 SB	227.21	E1-5-P E1-1-A	120" x 30" 192" x 120" (16' x 10')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 225 S Tomahawk 1 MILE				1				25 160		1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NC-80	Lincoln	USH 51 SB	226.32	E1-5-P E4-1-A	120" x 30" 240" x 90" (20' x 7.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 225 S Tomahawk [TR]				1				25 150		1							Install above E4-1-A Install new sign on existing steel supports (Type B bases and supports)

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PROJECT NO: 1000-20-75

HWY: VARIOUS

COUNTY: VARIOUS – STATEWIDE

MISCELLANEOUS QUANTITIES

SHEET NO:

E

3

SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (LOCATION)	CODE	SIZE	DESCRIPTION	ORDER LINES	204.0195 REMOVING CONCRETE BASES EACH	634.0620 WOOD POSTS 4X6-INCH X 20-FT EACH	635.02 SIGN SUPPORTS STRUCTURAL STEEL HS LB	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	635.9010.S SIGN SUPPORTS SHORTEN STRUCTURAL STEEL EACH	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT HS LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	638.3210 REVISING SIGNS TYPE I EACH	638.3610 ERECTING STATE OWNED SIGNS TYPE I EACH	SPV.0165.01 MODIFYING SIGNS TYPE I SF	NOTES	
NW-1	Douglas	USH 2 EB	229.83	E5-51	144" x 60" (12' x 5')	Rest Area _ Miles	REST AREA 1/2 MILE			512.00			1.2	68	60			1			2				Install new sign 10' east of existing sign (Type A Bases and Supports) (475' east of 53rd Ave)
NW-2	Douglas	USH 2 EB	229.50	E5-52	144" x 54" (12' x 4.5')	Rest Area w/ arrow	REST [TR] AREA [TR]				1				54			1							Install new sign on existing steel supports (Type B Bases and Supports)
NW-3	Douglas	USH 2 EB	228.77	E1-5-P E1-1-A	120" x 30" 192" x 156" (16' x 13')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Miles	EXIT 227 13 Z Port Wing Bayfield 3/4 MILE				1				25 208			1							Install above E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NW-4	Douglas	USH 2 EB	228.42	E3-1	192" x 84" (16' x 7')	Supplemental Guide Sign	Apostle Islands National Lakeshore EXIT 227				1				112			1			2				Install new sign on existing steel supports (Type B Bases and Supports)
NW-5	Douglas	USH 2 EB	228.21	E10-60	remove only		CAMPING NEXT RIGHT											1	1						Remove only
NW-6	Douglas	USH 2 EB	228	E1-5-P E4-1-A	120" x 30" 228" x 132" (19' x 11')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 227 13 Z Port Wing [TR] Bayfield [TR]				1				25 209			1							Install above E4-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NW-7	Douglas	USH 2 EB	227.83	E5-1-A	90" x 60"	Exit Sign 1-4 digits (with arrow)	EXIT 227 [TR]		2							37.5			2						Install new sign in gore Remove existing E5-1 (8976' east of CTH E)
NW-8	Douglas	USH 2 EB	226.76	D2-3	192" x 84" (16' x 7')	Destination/Distance (Three)	2 Ashland 56 4 Eau Claire 135			845.60			1.6	98	112										(Type B Bases and Supports) (4950' east of STH 13)
NW-9	Douglas	USH 2 EB	223.99	E1-51-A	204" x 180" (17' x 15')	Advance Exit Guide Sign, Exit _ Mile	EAST SOUTH 2 Ashland 53 Eau Claire JCT 1 MILE				1				255			1							Install new sign on existing steel supports (Type C Bases and Supports)
NW-10	Douglas	USH 2 EB	223.66	E3-1	168" x 126" (14' x 10.5')	Supplemental Guide Sign	2 EAST Ashland LEFT LANE			980.00			1.6	98	147			1							Install new sign 10' east of existing sign (Type B Bases and Supports) (4.04 miles east of STH 13)
NW-11	Douglas	USH 2 EB	223.65	E3-1	204" x 156" (17' x 13')	Supplemental Guide Sign	53 SOUTH Spooner Eau Claire RIGHT LANE				1				221			1							Install new sign on existing steel supports (Type B Bases and Supports)
NW-12	Douglas	USH 2 EB	223.23	E3-1	168" x 54" (14' x 4.5')	Supplemental Guide Sign	Solon Springs RIGHT LANE			548.00			1.2	68	63			1		3					Install new sign 10' south of existing sign (Type A Bases and Supports) (950' east of CTH C)
NW-13	Douglas	USH 2 EB	223.22	E3-1	180" x 78" (15' x 6.5')	Supplemental Guide Sign	Amnicon Falls State Park LEFT LANE				1				97.5			1							Install new sign on existing steel supports (Type B Bases and Supports)
NW-14	Douglas	USH 2 EB	223.08	E1-5-aP E4-1-A	72" x 30" 204" x 96" (17' x 8')	Left Plaque Exit Direction Sign with Arrow	LEFT 2 EAST [TL] Ashland				1				15 136			1							Install new sign on existing steel supports (Type B Bases and Supports)
NW-15	Douglas	USH 2 EB	223.06	E4-1-A	240" x 132" (20' x 11')	Exit Direction Sign with Arrow	53 SOUTH Spooner [TR] Eau Claire [TR]				1				220			1							Install new sign on existing steel supports (Type B Bases and Supports)
NW-16	Douglas	USH 2 EB	223	J3-2	72" x 84"	Directional Assembly	EAST SOUTH 2 Ashland 53 [TL] [TR]		2							21			1	1					Install new sign in gore Remove existing W12-1-D (2165' east of CTH C)
NW-17	Douglas	USH 2 WB	On Ramp to USH 53 NB	E1-51-A	144" x 108" (12' x 9')	Advance Exit Guide Sign, Exit _ Mile	53 SOUTH Spooner Eau Claire 1/2 MILE			1061.60			1.6	98	108			1		2					Install new sign 10' west of existing sign (Type B Bases and Supports) (1480' west of Kellogg Rd)
NW-18	Douglas	USH 2 WB	223.97	D2-2	156" x 60" (13' x 5')	Destination/Distance (Two)	Superior 11 Duluth 15			587.60			1.2	68	80			1			2				Install new sign 10' west of existing sign (Type A Bases and Supports) (2745' west of CTH C)
NW-19	Douglas	USH 2 WB	226.09	E1-5-P E1-1-A	120" x 30" 192" x 156" (16' x 13')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 227 13 Z Port Wing Bayfield 1 1/4 MILE				1				25 208			1							Install new sign on existing steel supports (Type C Bases and Supports)
NW-20	Douglas	USH 2 WB	227.2	E10-60	remove only	GFL Sign	CAMPING THIS EXIT												1	2					Remove Only
NW-21	Douglas	USH 2 WB	227.35	E1-5-P E4-1-A	120" x 30" 228" x 132" (19' x 11')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 227 13 Z Port Wing [TR] Bayfield [TR]				1				25 209			1							Install new sign on existing steel supports (Type B Bases and Supports)
NW-22	Douglas	USH 2 WB	227.51	E5-1-A	90" x 60"	Exit Sign 1-4 digits (with arrow)	EXIT 227 [TR]		2							37.5			1	2					Install new sign in gore Remove existing E5-1 (3.05 miles west of CTH C)
NW-23	Chippewa	USH 53 NB	95.82	E8-1-A	252" x 102" (21' x 8.5')	Community Interchanges Identification Sign	Chippewa Falls Exits X BUS 29 1 1/2 S 4 1/2			860.00			1.6	98	178.5			1			2				Install new sign 10' north of existing sign (Type B Bases and Supports) (5490' north of STH 29)
NW-24	Chippewa	USH 53 NB	98.82	E1-5-P E1-1-A	108" x 30" 276" x 120" (23' x 10')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 99 S Chippewa Falls 1 MILE					2			22.5 230			1							Install new sign on existing steel supports Shorten I Beams (Type C Bases and Supports)
NW-25	Chippewa	USH 53 NB	99.04	E10-61	144" x 54" (12' x 4.5')	Hospital Exit _	HOSPITAL EXIT 99								54			1			2				Install new sign and supports on existing bases (Type A Bases and Supports)
NW-26	Chippewa	USH 53 NB	99.31	E3-1	156" x 84" (13' x 7')	Supplemental Guide Sign	Lake Wissota State Park EXIT 99			515.60			1.2	68	91			1			2				Install new sign 10' north of existing sign (Type A Bases and Supports) (5970' north of CTH N)

3

PROJECT NO: 1000-20-75

HWY: VARIOUS

COUNTY: VARIOUS – NW REGION

MISCELLANEOUS QUANTITIES

SHEET NO:

E

FILE NAME : _____

PLOT DATE : _____

PLOT BY : _____

PLOT NAME : _____

ORG DATE : _____

ORIGINATOR : DIST _

PLOT SCALE : 1:1

3

SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (LOCATION)	CODE	SIZE	DESCRIPTION	ORDER LINES	204.0195 REMOVING CONCRETE BASES EACH	634.0620 WOOD POSTS 4X6-INCH X 20-FT EACH	635.02 SIGN SUPPORTS STRUCTURAL STEEL HS LB	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	635.9010.S SIGN SUPPORTS SHORTEN STRUCTURAL STEEL EACH	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT HS LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	638.3210 REVISING SIGNS TYPE I EACH	638.3610 ERECTING STATE OWNED SIGNS TYPE I EACH	SPV.0165.01 MODIFYING SIGNS TYPE I SF	NOTES
NW-27	Chippewa	USH 53 NB	99.73	E1-5-P E4-1-A	108" x 30" 312" x 90" (26' x 7.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 99 S Chippewa Falls [TR]					2			22.5 195		1			2				Install new sign on existing steel supports Shorten I Beams (Type B Bases and Supports)
NW-28	Chippewa	USH 53 NB	117.62	E1-5-P E1-1-A	108" x 30" 228" x 120" (19' x 10')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 118 M New Auburn 1 MILE				1				22.5 190		1							Install new sign on existing steel supports (Type B Bases and Supports)
NW-29	Chippewa	USH 53 NB	118.62	E1-5-P E4-1-A	108" x 30" 264" x 90" (22' x 8.5')	Next Exit _ Miles Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	NEXT EXIT 8 MILES EXIT 118 M New Auburn [TR]				1				22.5 187		1							Install below E1-1-A Install new sign on existing steel supports (Type B Bases and Supports)
NW-30	Barron	USH 53 NB	134.4	E10-61	144 x 54 (12' x 4.5')	Hospital Exit _	HOSPITAL EXIT 135			526.40			1.2	68	54								22.5	Remove HOSPITAL plaque from SIS sign Install new sign 800' south of SIS sign SIS sign to remain (Type A Bases and Supports) (3.39 miles north of CTH OO)
NW-31	Barron	USH 53 NB	139.73	E3-1	204" x 84" (17' x 7')	Supplemental Guide Sign	Rice Lake Regional Airport EXIT 140				1				119		1							Install new sign on existing steel supports (Type B Bases and Supports)
NW-32	Washburn	USH 53 NB	165.39	E1-5-P E1-1-A	108" x 30" 168" x 126" (14' x 10.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 168 63 SOUTH Spooner 3/4 MILE	2					1.6	98	22.5 147									Existing sign and beams removed by others
NW-34	Washburn	USH 53 NB	168.12	J1-1	remove only	Junction Assembly	JCT 63										1	1						Remove Only
NW-35	Washburn	USH 53 NB	168.16	J2-3	remove only	Route Turn Assembly	NORTH NORTH SOUTH 63 53 63 [UA] [UA] [RB]										1	2						Remove Only
NW-36	Washburn	USH 53 NB	168.26	D1-3	remove only	Destination Direction (Three)	[UA] Superior [UA] Hayward Spooner [TR]										1	2						Remove Only
NW-37	Washburn	USH 53 NB	168.36	J3-3	remove only	Directional Assembly	NORTH NORTH SOUTH 63 53 63 [UA] [UA] [TR]										1	2						Remove Only
NW-38	Washburn	USH 53 NB	168.42	E3-1	120" x 114" (10' x 9.5')	Supplemental Guide Sign	NORTH 63 AHEAD			614.00			1.2	68	95									Install new sign across from start of ramp taper (Type A Bases and Supports) (3540' north of CTH H)
NW-39	Washburn	USH 53 NB	168.42	E1-5-P E4-1-A	108" x 30" 216" x 96" (18' x 8')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 168 63 SOUTH Spooner [TR]			1006.60			1.6	98	22.5 144									Install above E1-1-A Install new sign at start of ramp taper (Type B Bases and Supports) (3540' north of CTH H)
NW-40	Washburn	USH 53 NB	168.52	J3-1	remove only	Directional Assembly	SOUTH 63 [TR]										1	1						Remove Only
NW-41	Washburn	USH 53 NB	168.59	E5-1-A	90" x 60"	Exit Sign 1-4 digits (with arrow)	EXIT 168 [TR]		2							37.5								Install new sign in gore (4440' north of CTH H)
NW-42	Washburn	USH 53 NB	168.62	J4-2	remove only	Reassurance Assembly	NORTH NORTH 53 63										1	2						Remove Only
NW-43	Douglas	USH 53 NB	221.14	E1-5-P E1-1-A	120" x 30" 168" x 126" (14' x 10.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 222 2 EAST Ashland 1 1/4 MILE				1				25 147		1							Install new sign on existing steel supports (Type B Bases and Supports)
NW-44	Douglas	USH 53 NB	222.12	E3-1	180" x 84" (15' x 7')	Supplemental Guide Sign	Amnicon Falls State Park EXIT 222			600.80			1.2	68	105		1			2				Install new sign 10' north of existing sign (Type A Bases and Supports) (845' north of Bayfield Rd)
NW-45	Douglas	USH 53 NB	222.37	E3-1	120" x 114" (10' x 9.5')	Supplemental Guide Sign	WEST 2 AHEAD			692.00			1.2	68	95		1			2				Install new sign 10' north of existing sign (Type A Bases and Supports) (2215' north of Bayfield Rd)
NW-46	Douglas	USH 53 NB	222.39	E1-5-P E4-1-A	120" x 30" 204" x 96" (17' x 8')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 222 2 EAST Ashland [TR]				1				25 136		1							Install new sign on existing steel supports (Type B Bases and Supports)
NW-47	Douglas	USH 53 NB	222.5	E5-1-A	90" x 60"	Exit Sign 1-4 digits (with arrow)	EXIT 222 [TR]		2								37.5		1	2				Install new sign in gore Remove existing E5-1 sign (2900' north of Bayfield Rd)
NW-48	Douglas	USH 53 SB	222.81	D2-3	216" x 84" (18' x 7')	Destination Distance (Three)	Solon Springs 18 Spooner 56 Eau Claire 131				1				126		1							Install new sign on existing steel supports (Type B Bases and Supports)
NW-49	Washburn	USH 53 SB	169.09	E10-61	144" x 54" (12' x 4.5')	Hospital Exit _	HOSPITAL EXIT 168			569.60			1.2	68							1	1		Coordinate sign pickup with Washburn Co Change "165" to "168" Install revised sign 100' South of CTH A (Type A Bases and Supports)
NW-50	Washburn	USH 53 SB	166.33	E10-61	144" x 54" (12' x 4.5')	Hospital Exit _	HOSPITAL EXIT 135	2		533.60			1.2	68							1	1	22.5	Existing sign and beams removed by others Remove HOSPITAL plaque from SIS sign Coordinate sign pickup with Washburn Co Change "165" to "135" Install revised sign 3700' north of existing SIS sign SIS sign to remain (Type A Bases and Supports) (4.09 miles south of CTH O)
NW-52	Barron	USH 53 SB	119.43	E1-5-P E4-1-A	108" x 30" 264" x 90" (22' x 7.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 118 M New Auburn [TR]				1				22.5 165		1							Install new sign on existing steel supports (Type B Bases and Supports)

3

PROJECT NO: 1000-20-75

HWY: VARIOUS

COUNTY: VARIOUS – NW REGION

MISCELLANEOUS QUANTITIES

SHEET NO:

E

3

								204.0195	634.0620	635.02	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	635.9010.S SIGN SUPPORTS SHORTEN STRUCTURAL STEEL EACH	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT HS LB	637.1220 SIGNS TYPE I REFLECITVE SH SF	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	638.3210 REVISING SIGNS TYPE I EACH	638.3610 ERECTING STATE OWNED SIGNS TYPE I EACH	SPV.0165.01 MODIFYING SIGNS TYPE I SF		
SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (LOCATION)	CODE	SIZE	DESCRIPTION	ORDER LINES																	NOTES	
NW-53	Chippewa	USH 53 SB	101.59	E8-1-A	252" x 96" (21' x 8')	Community Interchanges Identification Sign	Chippewa Falls Exits S 1 1/2 X BUS 29 4 1/2			901.00			1.6	98	168		1			2				Install new sign 10' south of existing sign (Type B Bases and Supports) (1.10 miles south of CTH B)	
NW-54	Chippewa	USH 53 SB	101.3	E1-5-P E1-1-A	108" x 30" 276" x 120" (23' x 10')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	EXIT 99 S Chippewa Falls 3/4 MILE				2				22.5 230		1							Install new sign on existing steel supports (Type D Bases and Supports)	
NW-55	Chippewa	USH 53 SB	101.07	E3-1	156" x 84" (13' x 7')	Supplemental Guide Sign	Lake Wissota State Park EXIT 99			676.40			1.2	68	91		1							Install new sign 10' south of existing sign (Type A Bases and Supports) (1.61 miles south of CTH B)	
NW-56	Chippewa	USH 53 SB	100.57	E1-5-P E4-1-A	108" x 30" 312" x 90" (26' x 7.5')	Exit Number for E1-1 & E4-1 Exit Direction Sign with Arrow	EXIT 99 S Chippewa Falls [TR]				2				22.5 195		1							Install new sign on existing steel supports (Type D Bases and Supports)	
NW-57	Chippewa	USH 53 SB	99.44	D2-3	remove only	Destination Distance (Three)	Eau Claire 12 Osseo 33 La Crosse 95										1			2				Remove Only	
NW-58	Chippewa	USH 53 SB	98.29	E5-63	144" x 60" (12' x 5')	Tourist Info Exit _	Tourist Info EXIT 96																	Install new sign on existing steel supports (Type B Bases and Supports)	
NW-59	Clark	STH 29 EB	120.96					2																Existing sign and beams removed by others	
NW-60	Clark	STH 29 WB	122.39					2																Existing sign and beams removed by others	
REGION SUBTOTALS								8	10	13003.8	18	8	24.4	1434	6035.5	171	35	11	23	24	2	2	45		
PROJECT NO: 1000-20-75								HWY: VARIOUS				COUNTY: VARIOUS – NW REGION				MISCELLANEOUS QUANTITIES				SHEET NO:			E		

3

REGION (LOCATIONS)	204.0195 REMOVING CONCRETE BASES EACH	634.0620 POSTS WOOD 4x6-INCH x 20-FT EACH	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	635.9010.S SIGN SUPPORTS SHORTEN STRUCTURAL STEEL EACH	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGN SUPPORTS STEEL REINFORCEMENT LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2101 MOVING SIGNS TYPE I EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	638.3210 REVISING SIGNS TYPE I EACH	638.3610 ERECTING STATE OWNED SIGNS TYPE I EACH	SPV.0165.01 MODIFYING SIGNS TYPE I SF
SW Region	0	0	8590.8	36	4	14	830	9795.5	0	1	65	0	3	26	0	0	120
NE Region	0	0	5629.7	14	12	9.4	538	4201	31.5	0	28	2	4	10	1	0	0
NC Region	0	13	16295.1	35	8	14	830	10494.5	170	0	64	4	7	37	0	0	0
NW Region	8	10	13003.8	18	8	24.4	1434	6035.5	171	0	35	11	23	24	2	2	45
TOTALS	8	23	43519.4	103	32	61.8	3632	30526.50	372.5	1	192	17	37	97	3	2	165

Standard Detail Drawing List

15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D14-03	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-04	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-04	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-03	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D23-04	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

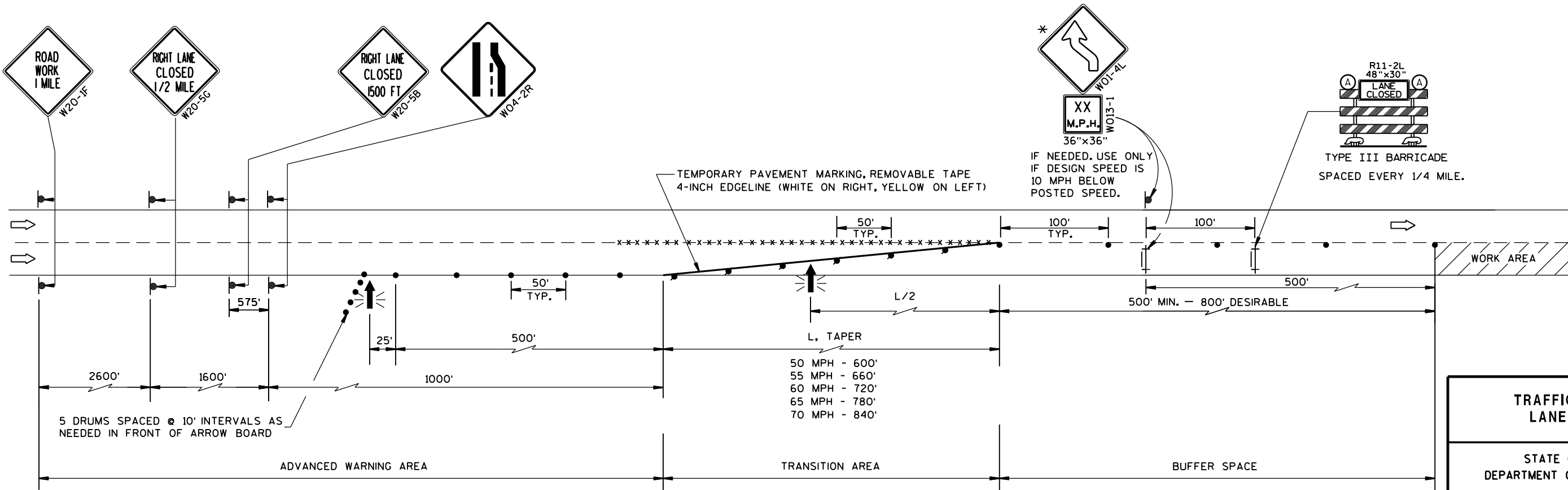
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

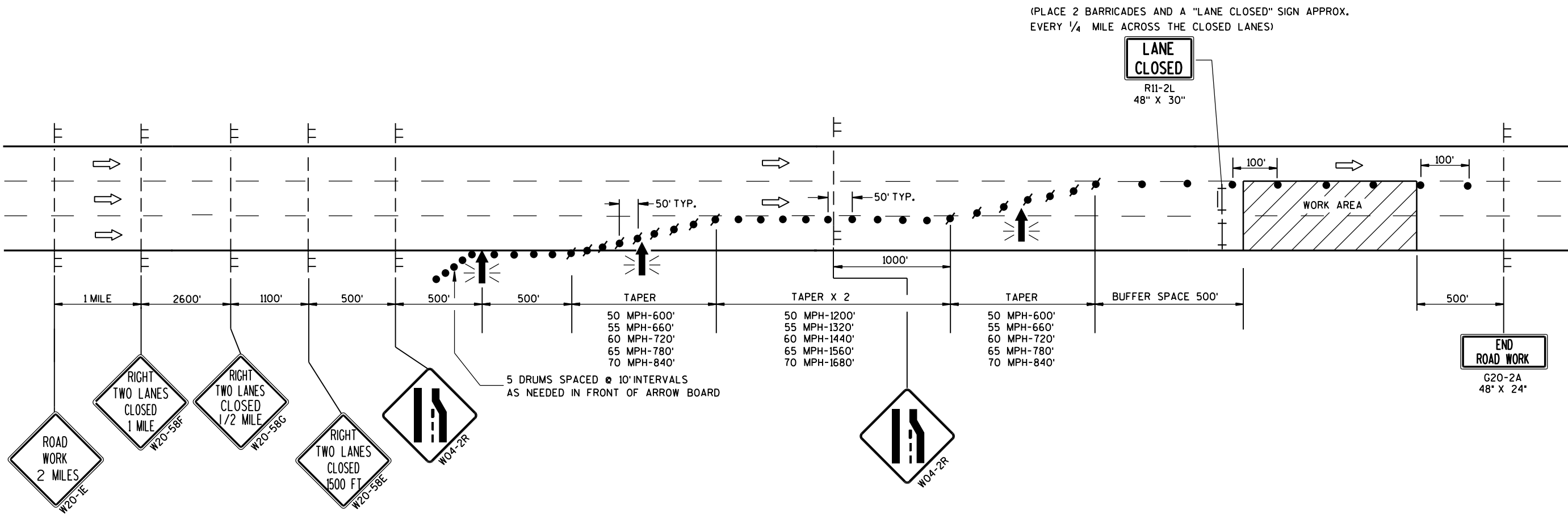
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* THE LEFT REVERSE CURVE SIGN (W01-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED March 2016 DATE	/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA	



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA

GENERAL NOTES

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

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

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

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

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

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

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

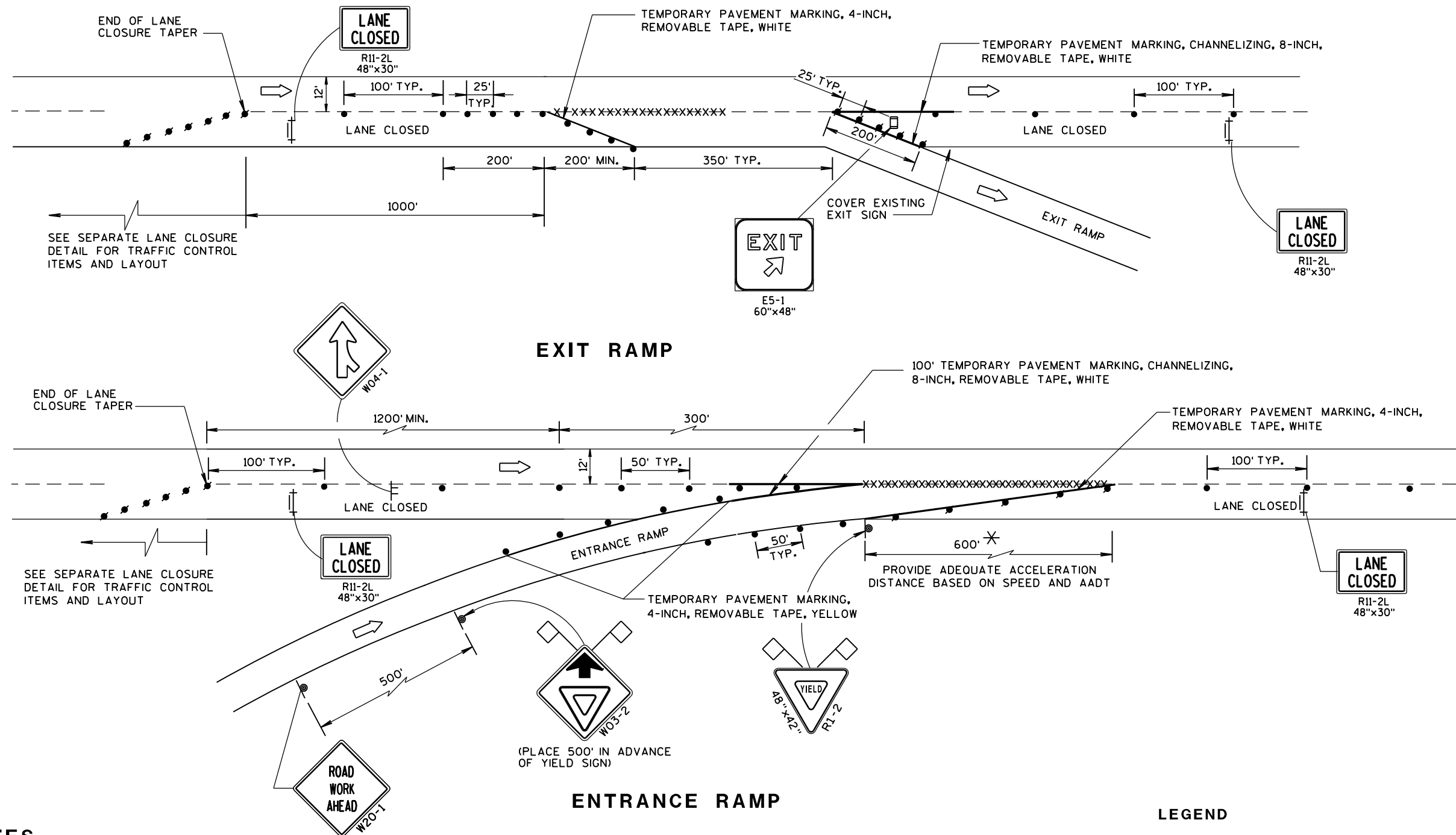
WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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

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

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

TRAFFIC CONTROL. TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY. SHORT TERM (LESS THAN 24 HOURS)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED July 14, 2015 DATE	/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA	



GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

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

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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

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

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

* LENGTH OF OPENING MAY BE REDUCED TO 150 FEET DURING STAGING OF WORK IN IMMEDIATE AREA OF RAMP TAPER.

LEGEND

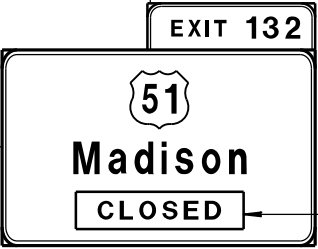
- ⊙ SIGN ON PERMANENT SUPPORT
- ┃ SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- XXXXX REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- ┃ TYPE III BARRICADE WITH ATTACHED SIGN
- ▢ FLAGS, 16" x 16" MIN., (ORANGE)
- ➡ DIRECTION OF TRAFFIC

TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED Sept. 2015 DATE	/S/ Peter Amokobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA	



G20-60
108"x24"

OR



G20-60
108"x24"

PLACE SIGN G20-60 OVER MILEAGE
ON EXISTING E1-1A SIGN



COVER ARROW ON
EXISTING E4-1A
SIGN (COVERING
SIGNS TYPE I)

G20-61
120"x30"

GENERAL NOTES

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

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

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

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

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

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

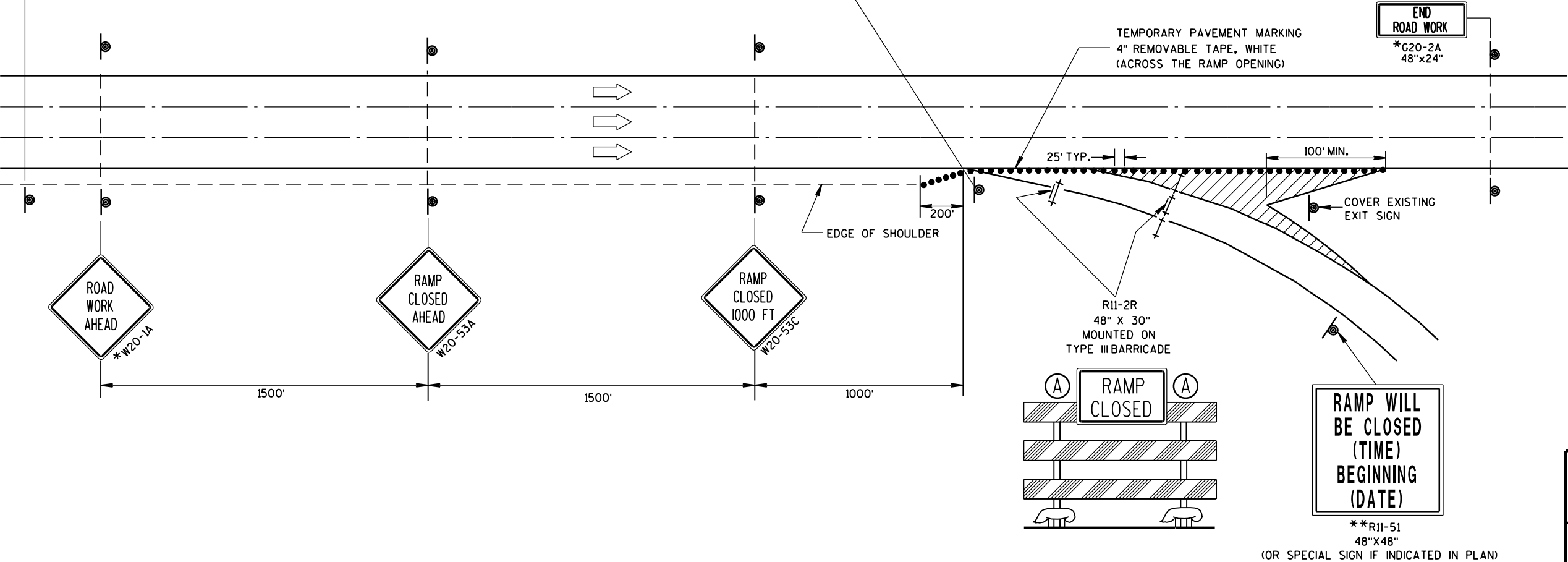
PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROPOFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN THE WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12-HOUR DURATION.

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

** PLACE "RAMP WILL BE CLOSED" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



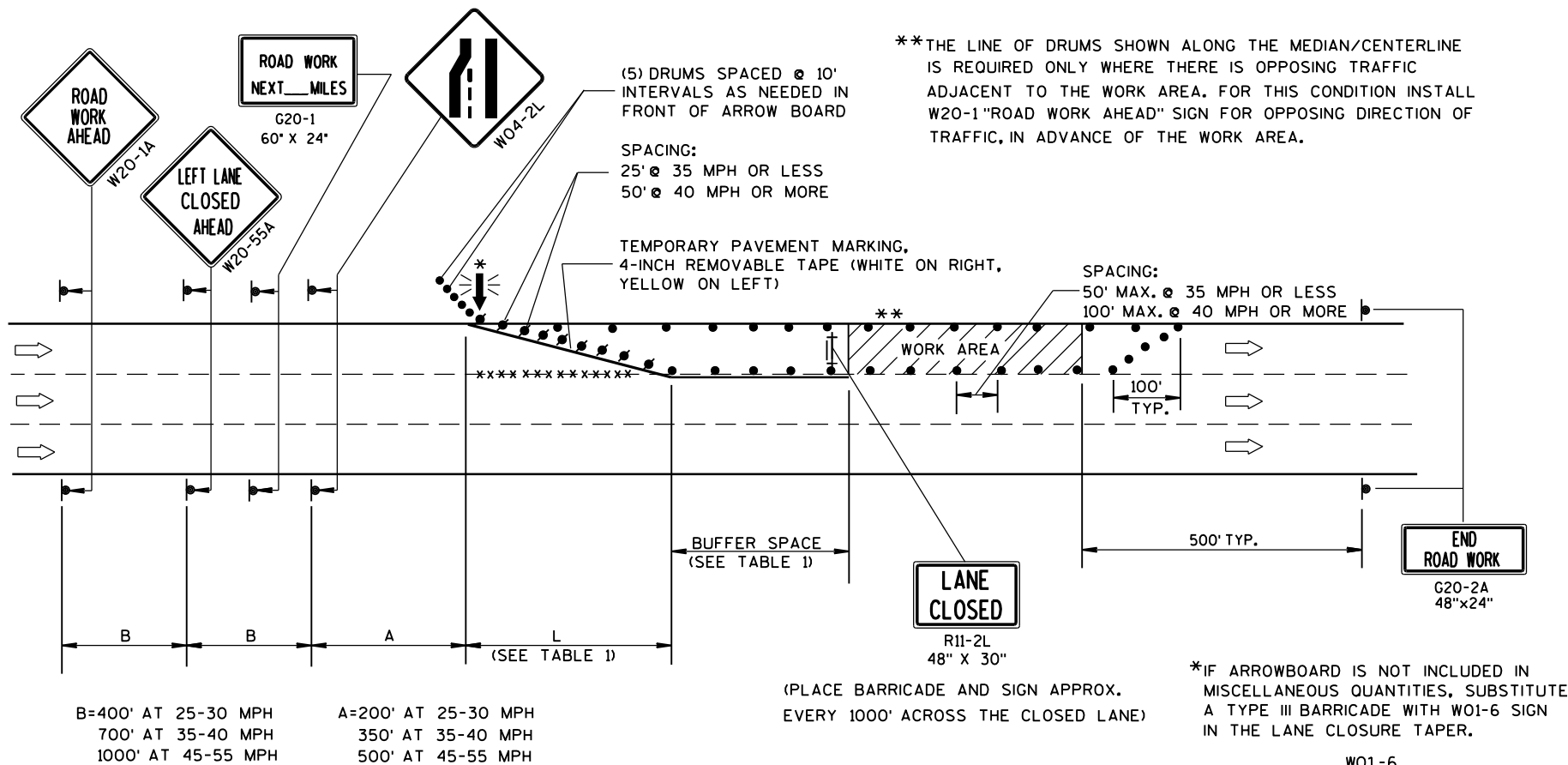
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



GENERAL NOTES

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

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

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

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

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

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

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

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

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

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

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

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

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

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

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

TABLE 1
TAPER AND BUFFER SPACE
FOR 12' LANE WIDTH

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

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

L = TAPER LENGTH IN FEET

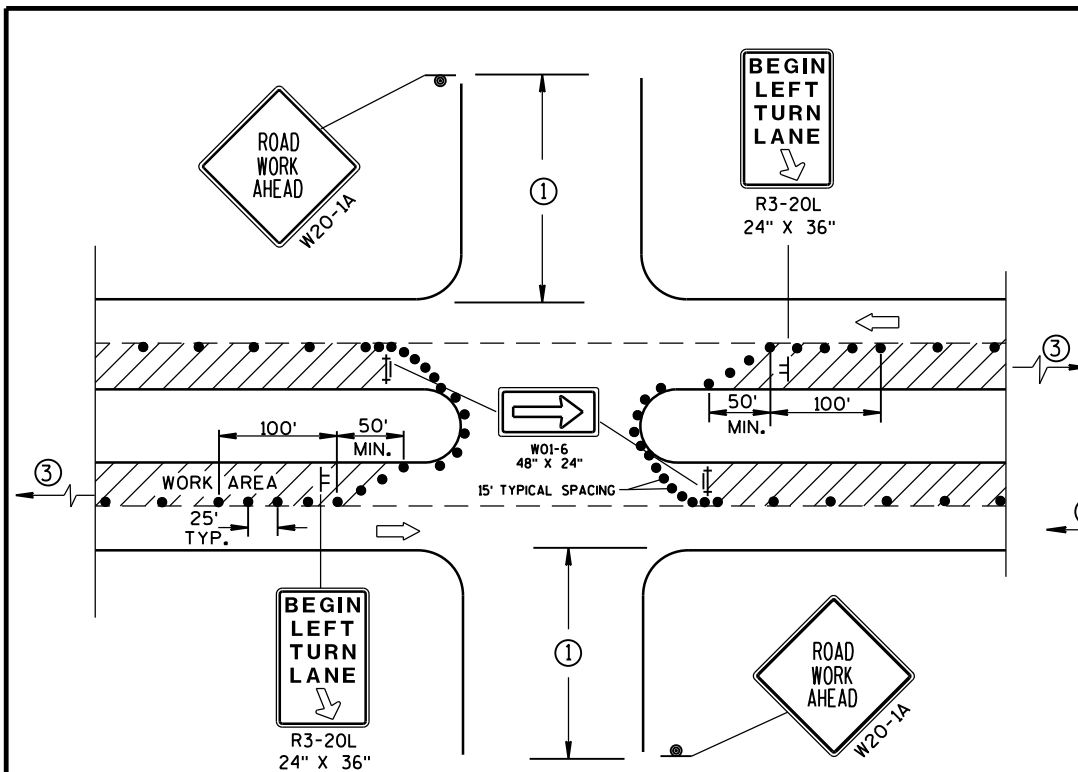
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

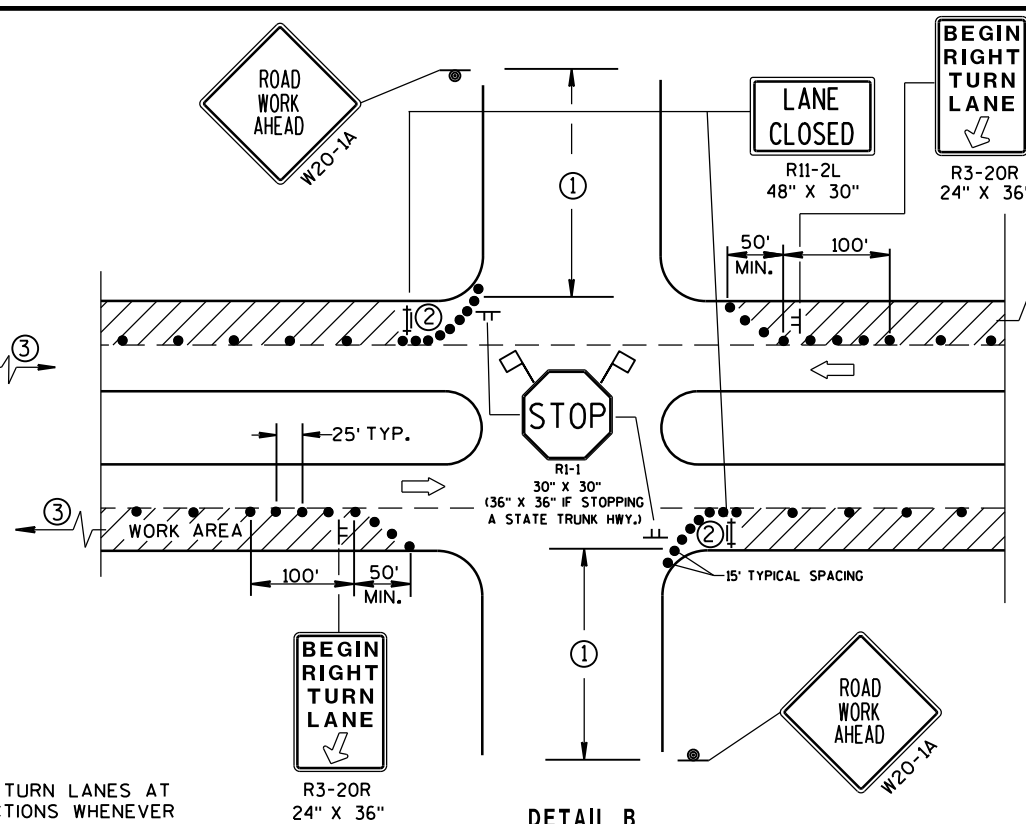
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2016 DATE	/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA	



DETAIL A
FOR LEFT LANE CLOSURE AT
INTERSECTION OR MEDIAN OPENING

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



DETAIL B
FOR RIGHT LANE CLOSURE
AT INTERSECTION

GENERAL NOTES

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

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

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

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

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

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

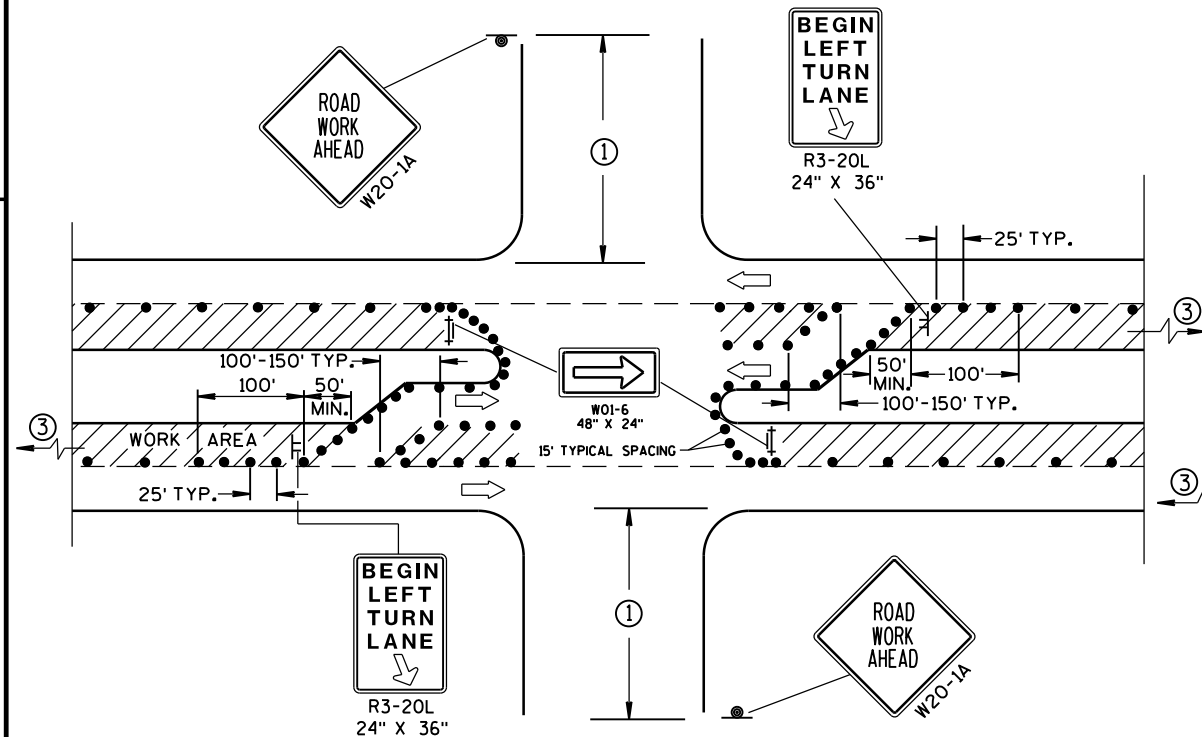
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

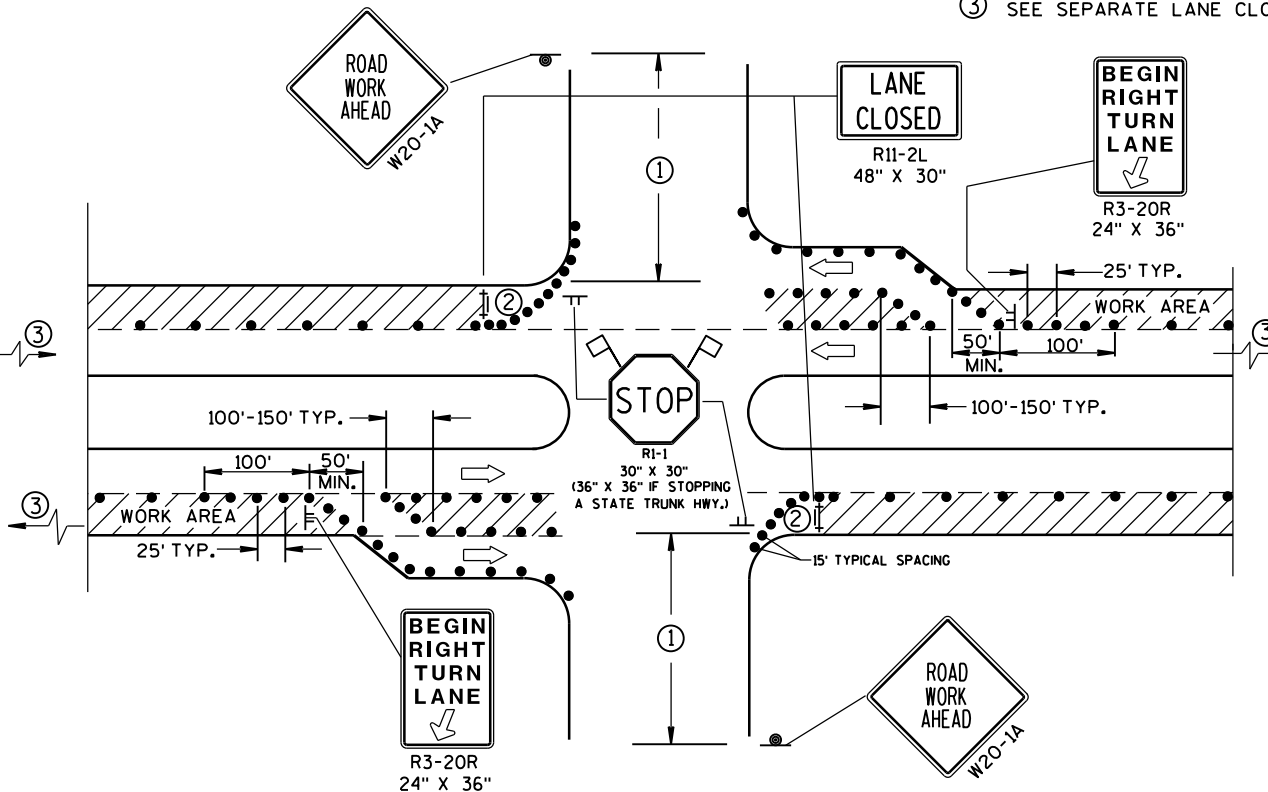
- ① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35-40 MPH.
200' IF 25-30 MPH.
- ② ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.
- ③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND

- TRAFFIC CONTROL DRUM
- ⊙ SIGN ON PERMANENT SUPPORT
- ⊢ SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- ⊢ TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- ➡ DIRECTION OF TRAFFIC
- ⚑ FLAGS, 16" X 16" MIN., (ORANGE)
- ▨ WORK AREA



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



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

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

TABLE 1
TAPER AND BUFFER SPACE
FOR 12' LANE WIDTH

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

FOR LANE WIDTH OTHER THAN 12':

$L = WS$ AT 45 MPH OR GREATER











$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

LEGEND

-  TYPE III BARRICADE
-  TYPE III BARRICADE WITH ATTACHED SIGN
-  SIGN ON PERMANENT SUPPORT
-  SIGN ON TEMPORARY SUPPORT
-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
-  TRAFFIC CONTROL DRUM
-  FLASHING ARROW BOARD
-  DIRECTION OF TRAFFIC
-  REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
-  WORK AREA

GENERAL NOTES

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

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

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

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

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

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

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

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

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

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

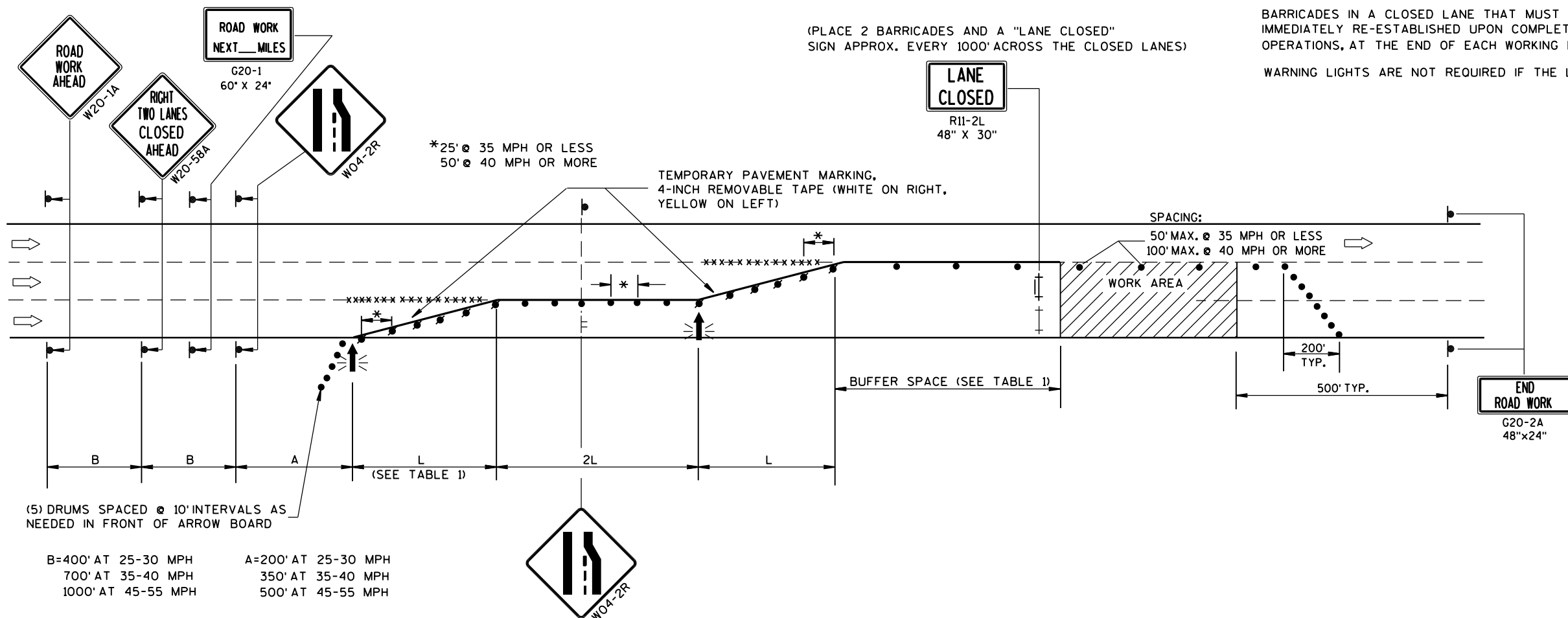
WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO LOCATE THE ARROWBOARD AS SHOWN, PLACE THE ARROWBOARD IN THE LANE CLOSURE TAPER AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE TAPER.

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

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

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

(PLACE 2 BARRICADES AND A "LANE CLOSED" SIGN APPROX. EVERY 1000' ACROSS THE CLOSED LANES)



(5) DRUMS SPACED @ 10' INTERVALS AS NEEDED IN FRONT OF ARROW BOARD

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

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

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

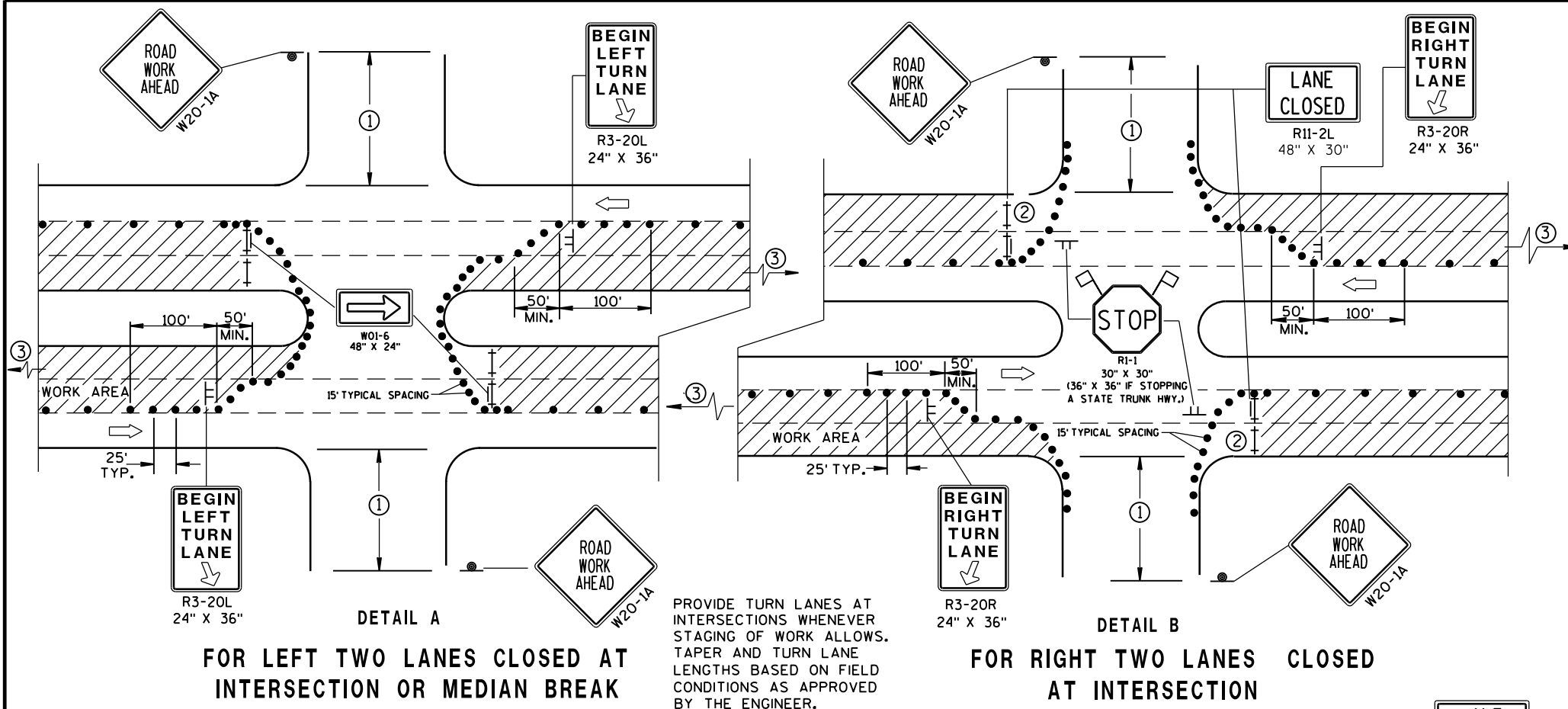
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016
DATE

FHWA

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER



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

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

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

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

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

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

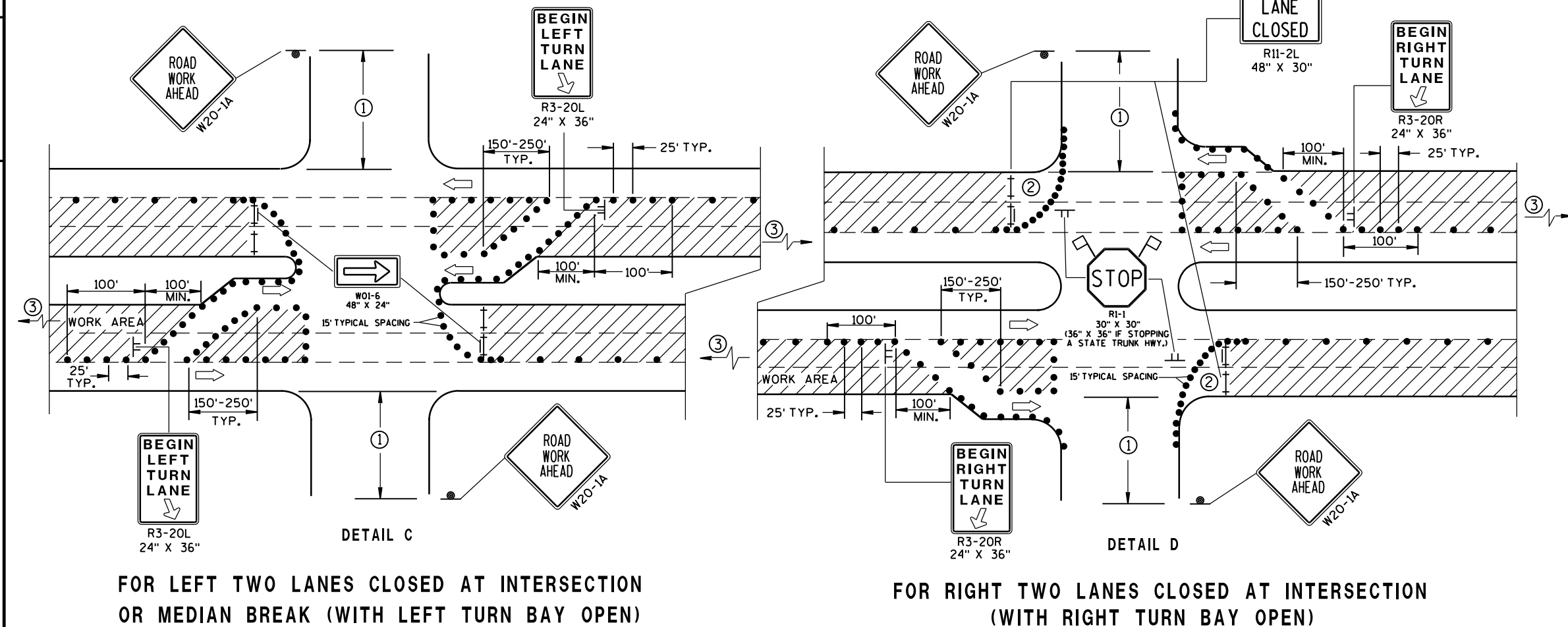
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

- ① 500 FEET TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350 FEET IF 35-40 MPH.
200 FEET IF 25-30 MPH.
- ② ALSO USE BARRICADES AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.
- ③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND

- TRAFFIC CONTROL DRUM
- ⊙ SIGN ON PERMANENT SUPPORT
- ⊢ SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- ⊢ TYPE III BARRICADE
- ⊢ TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- ➡ DIRECTION OF TRAFFIC
- ⚠ FLAGS, 16" X 16" MIN., (ORANGE)
- ▨ WORK AREA



TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

LEGEND

- TRAFFIC CONTROL DRUM
- ⦿ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ⚡➡ FLASHING ARROW BOARD
- ▨ WORK AREA

GENERAL NOTES

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

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

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

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

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

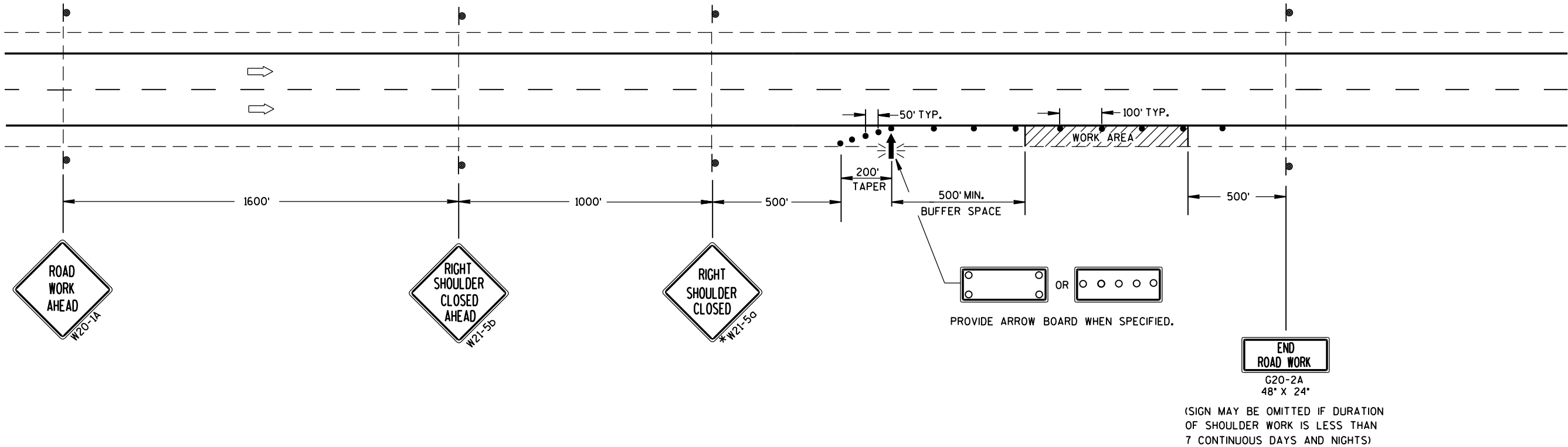
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

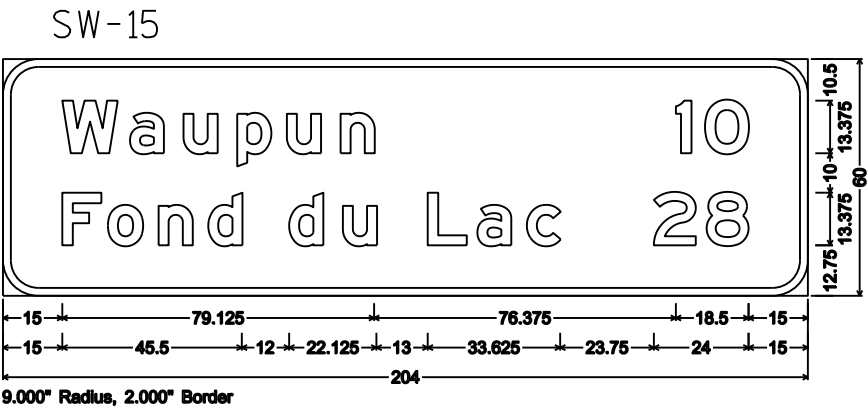
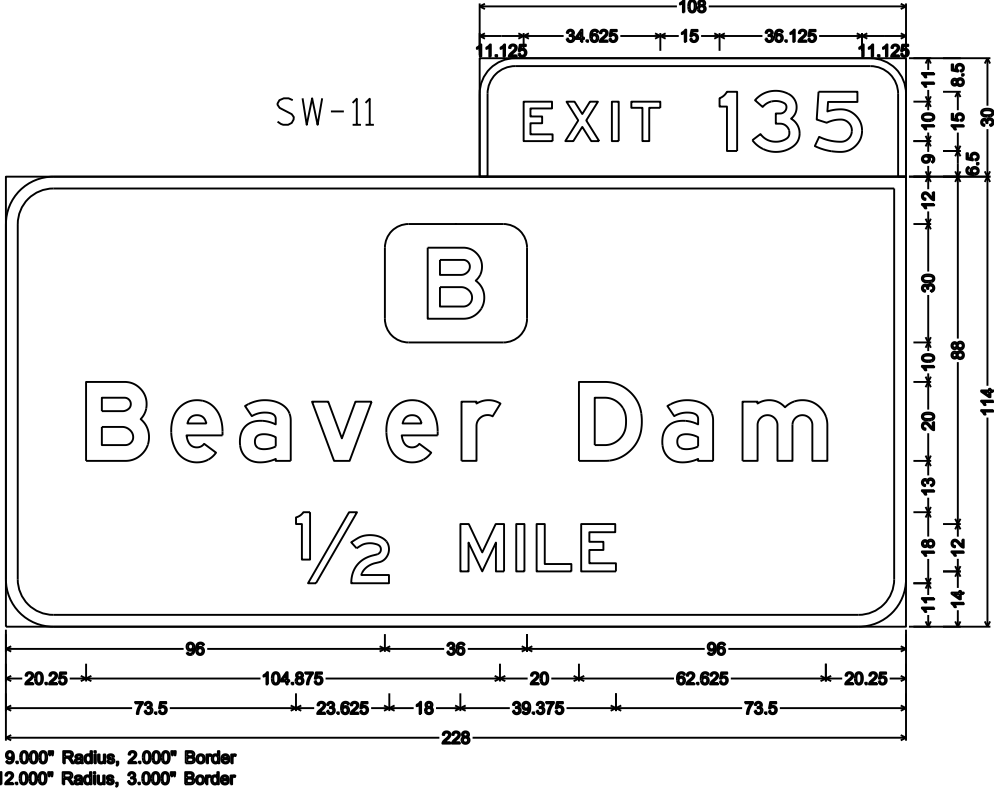
*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



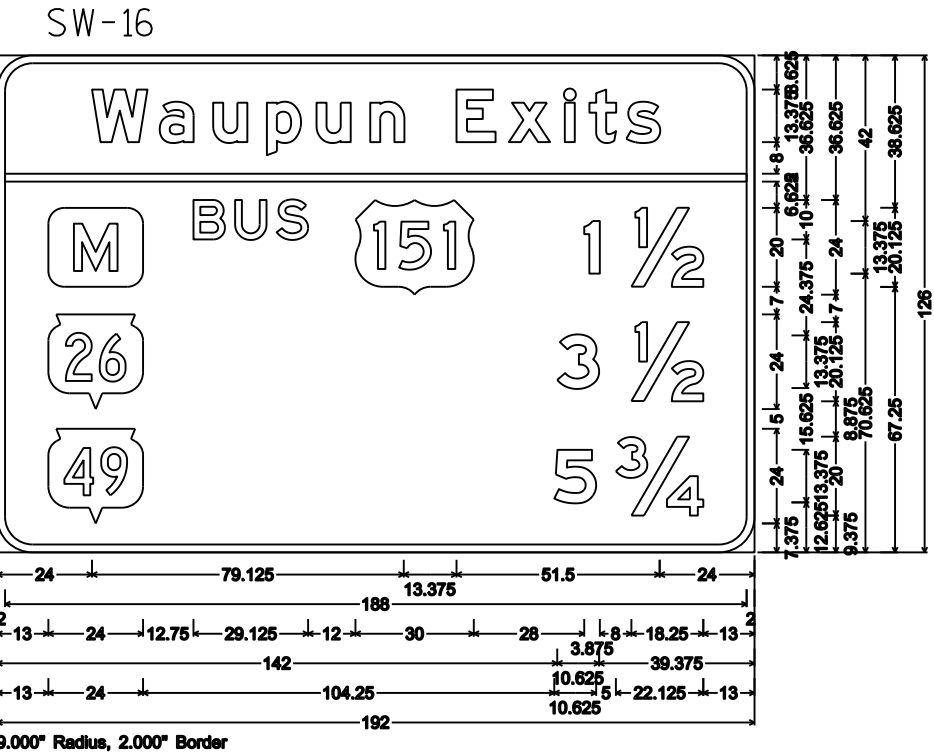
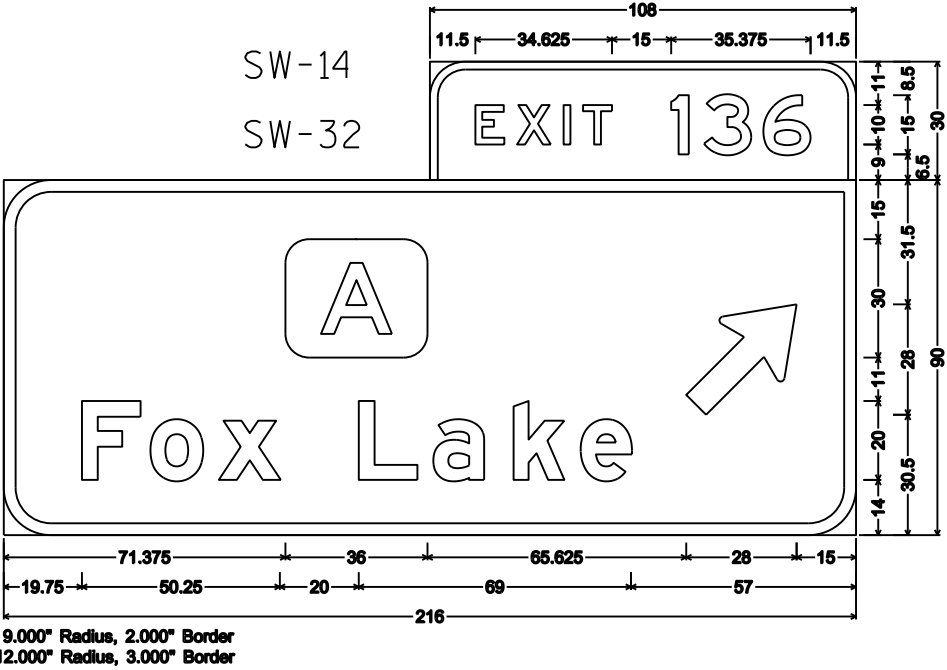
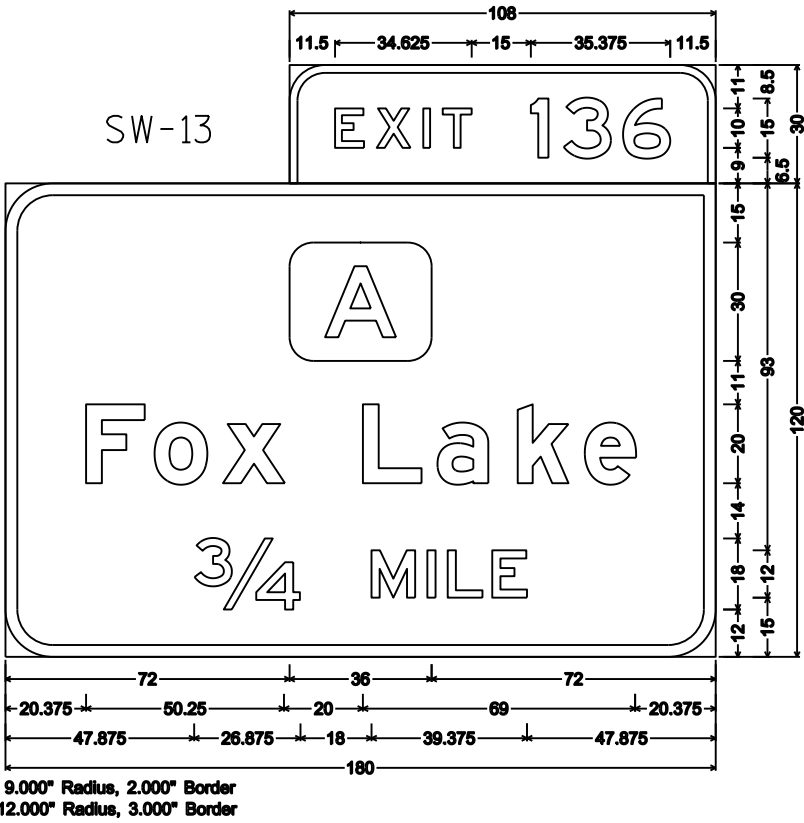
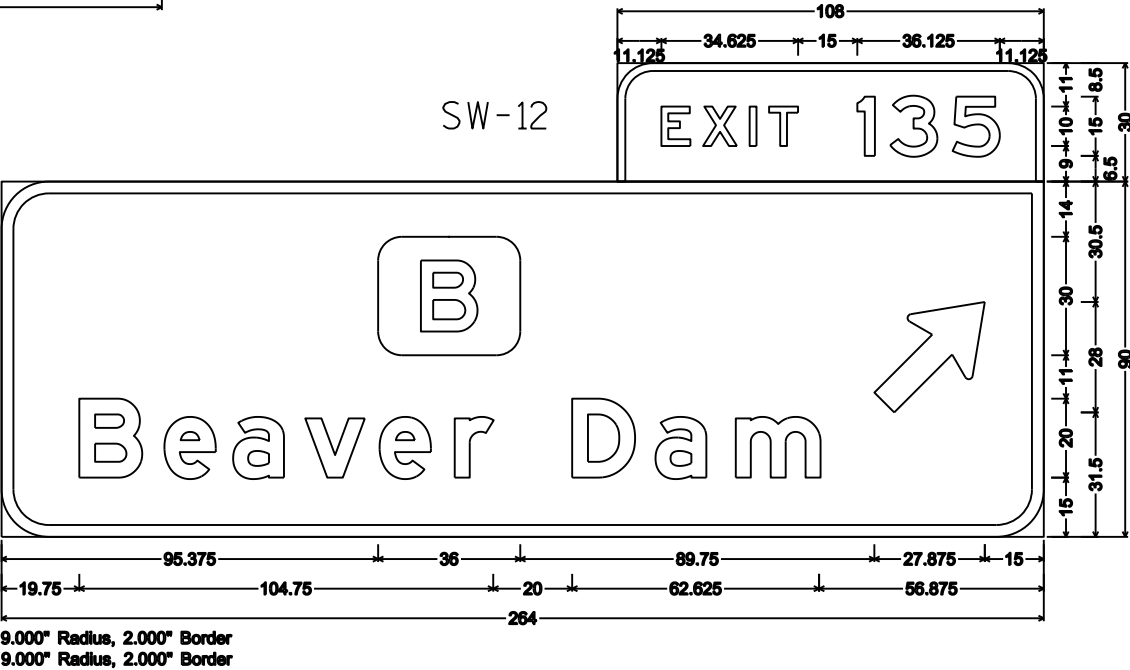
TRAFFIC CONTROL
SHOULDER CLOSURE ON DIVIDED
ROADWAY, SPEEDS GREATER
THAN 40 MPH

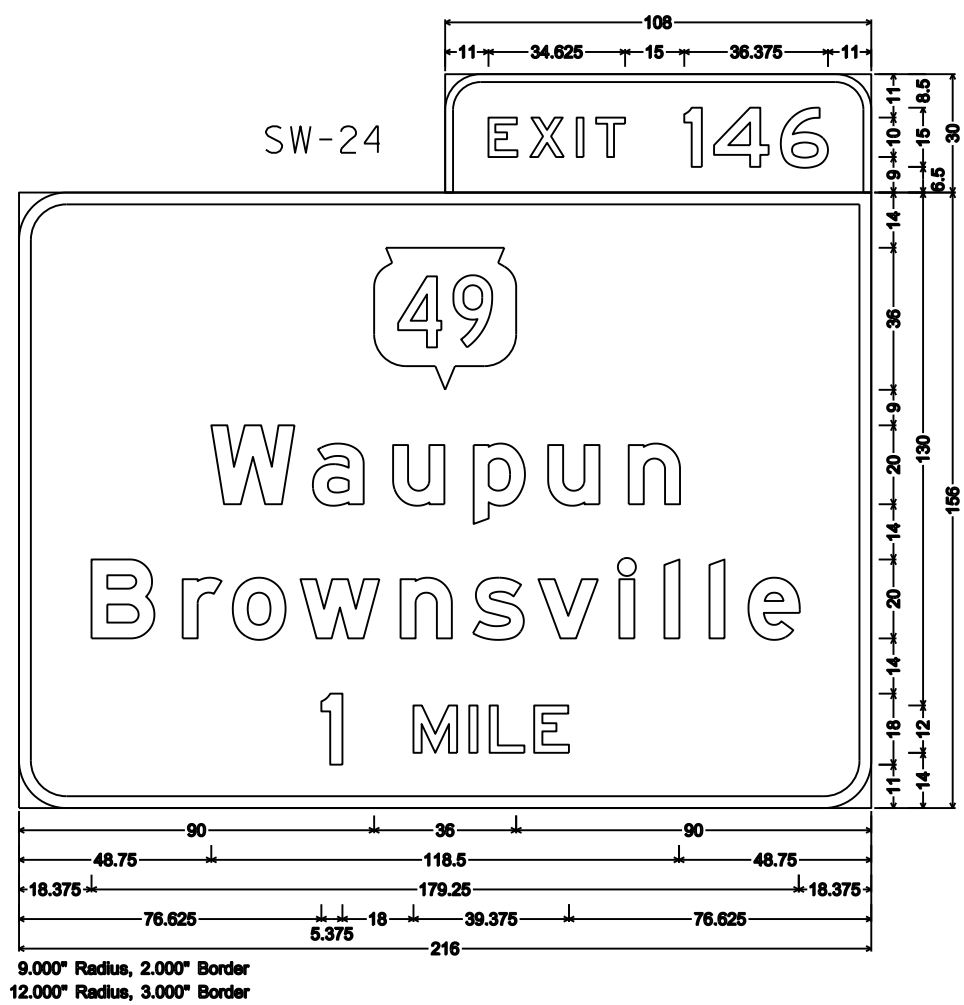
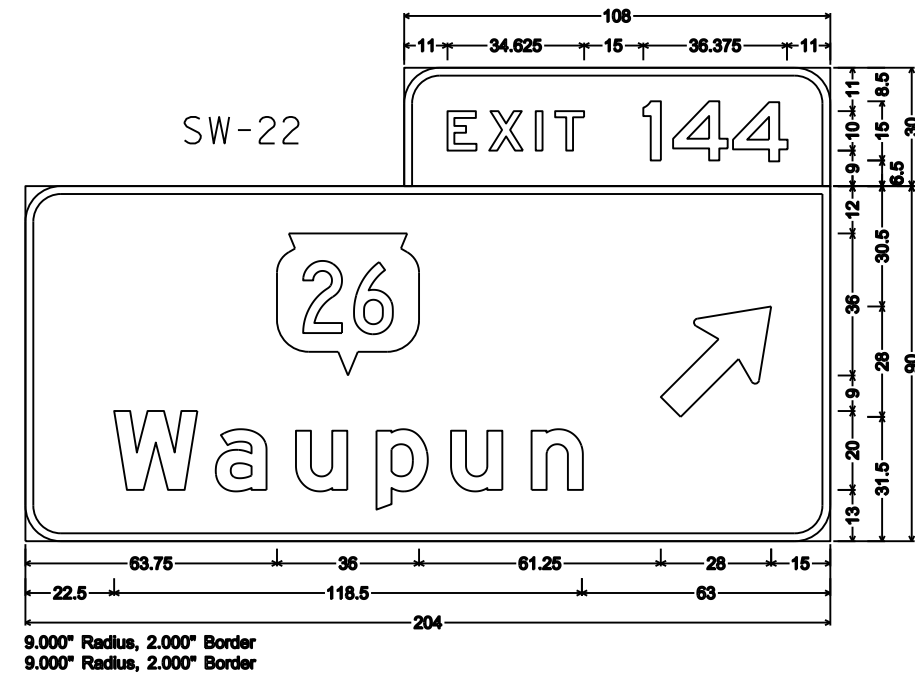
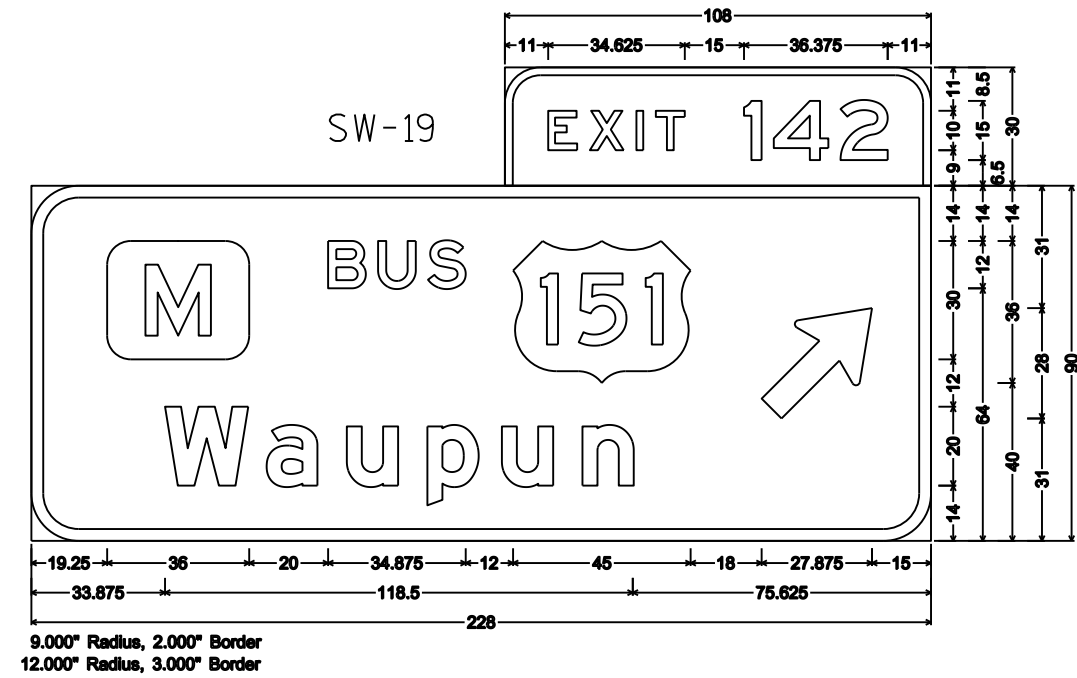
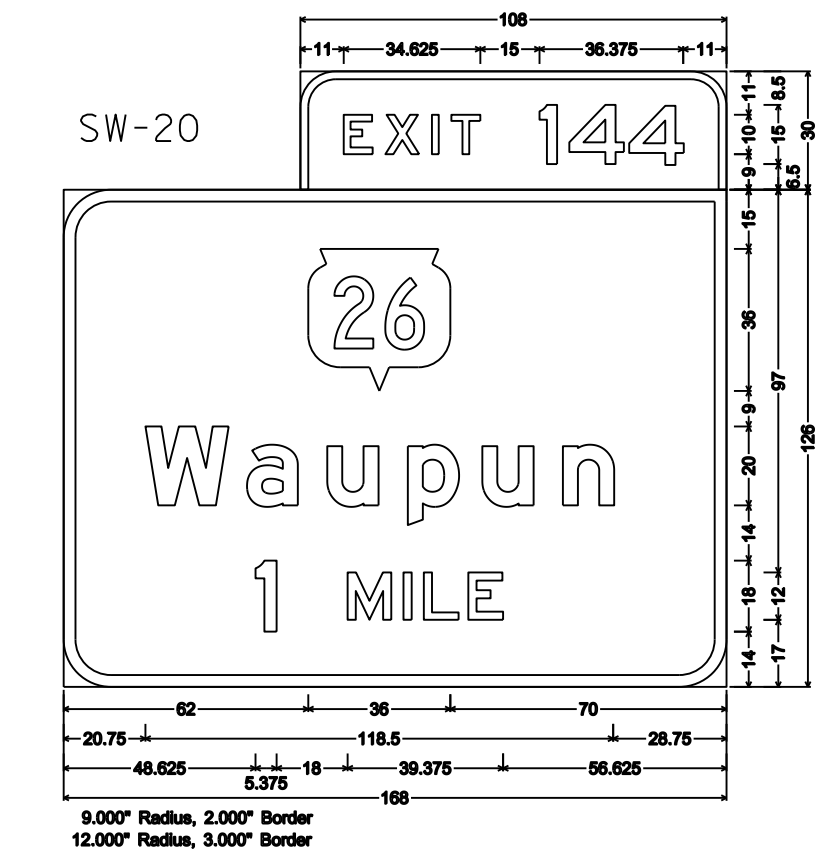
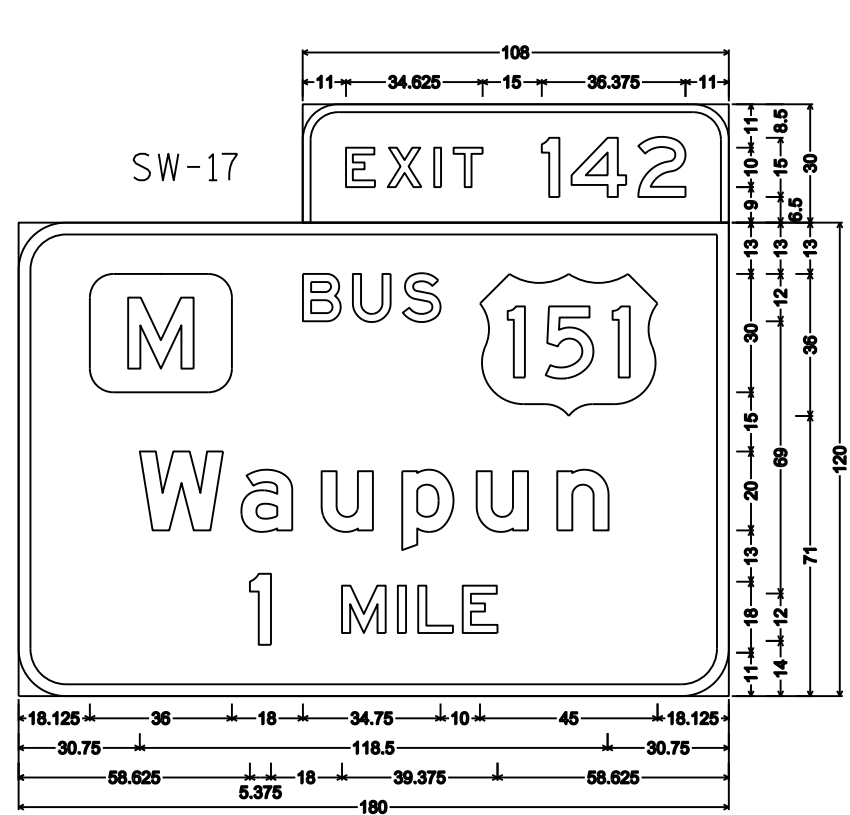
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

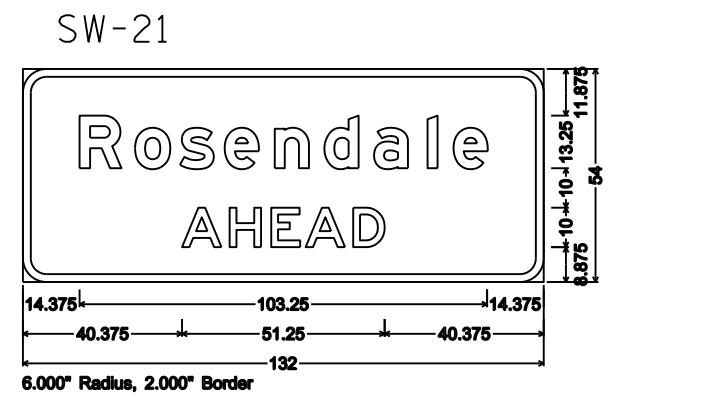


- NOTES
- 1. All Signs are Type I - Type SH Reflective
 - 2. Color:
 - Background - Green except as noted
 - Message - White
 - 3. Message Series - E Modified except all cap Words are Series E
 - 4. EXIT ONLY PANELS are Type F Reflective with:
 - Background - Yellow
 - Message - Black

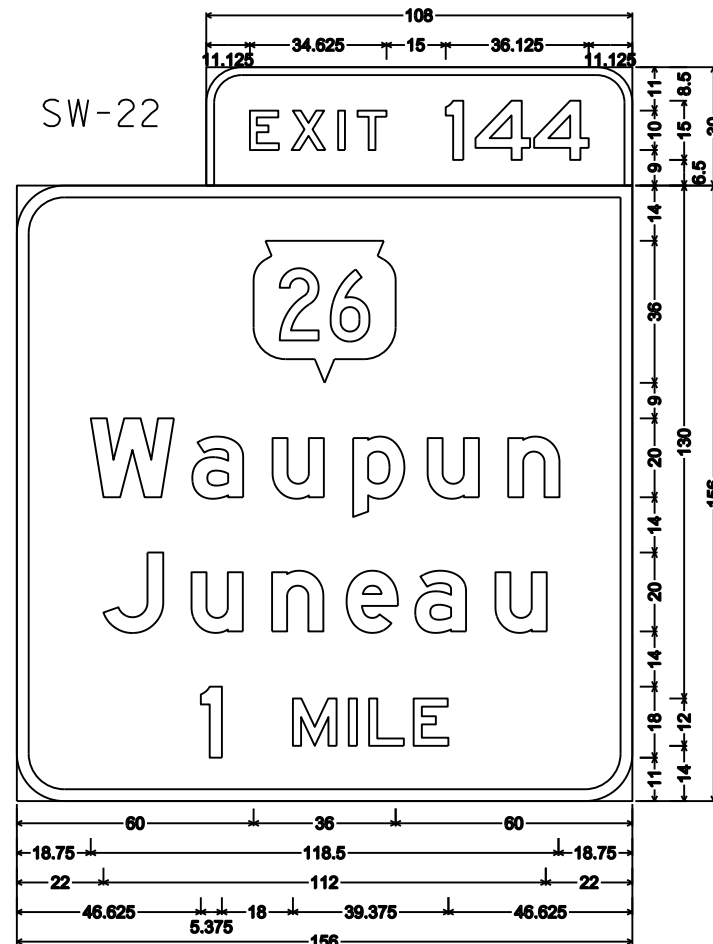




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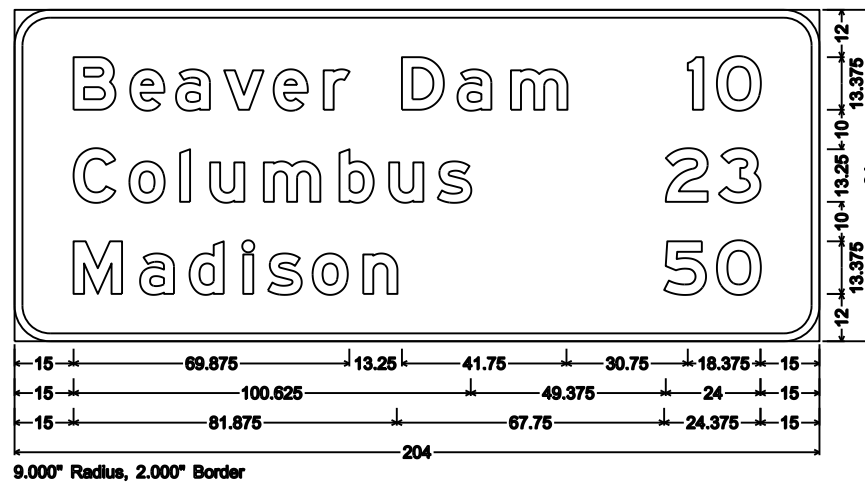


SW-22



9.000" Radius, 2.000" Border
12.000" Radius, 3.000" Border

SW-30

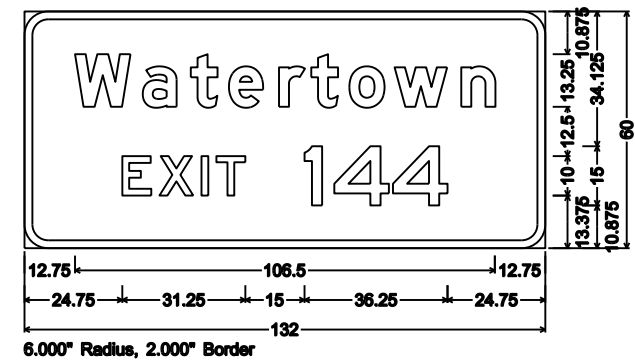


9.000" Radius, 2.000" Border

NOTES

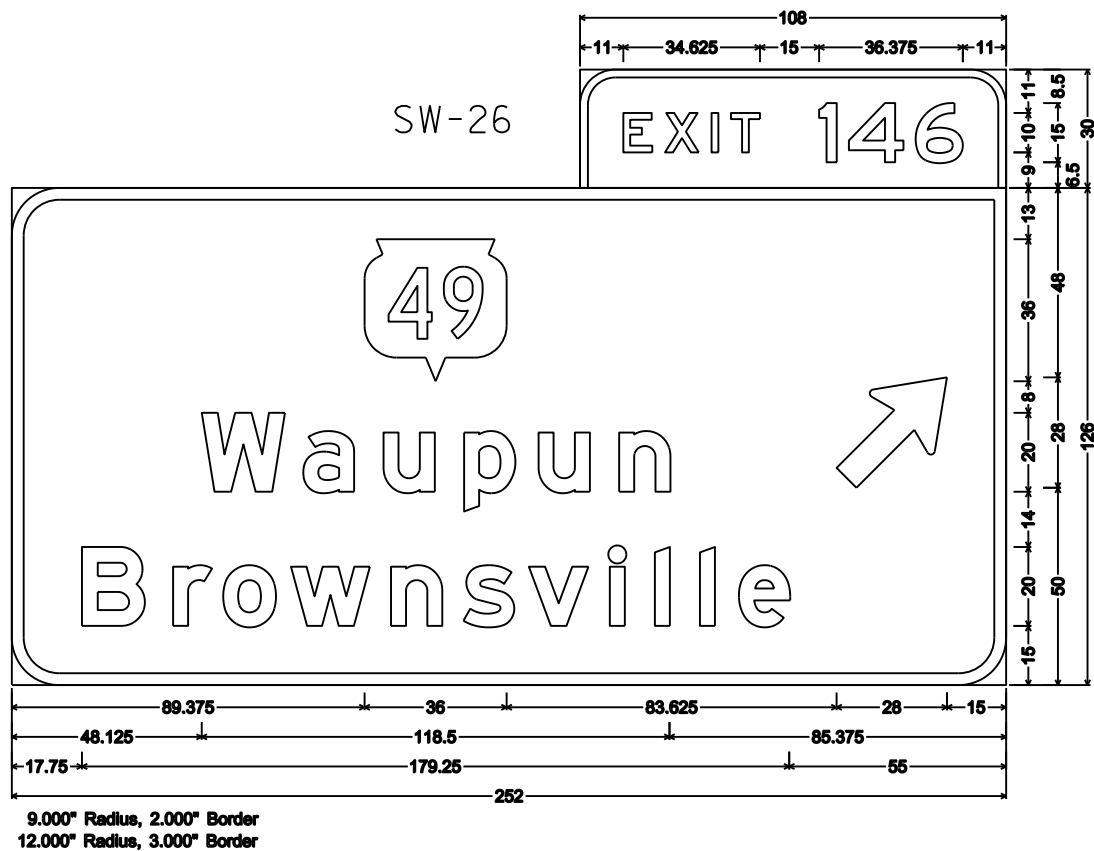
1. All Signs are Type I - Type SH Reflective
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Message - White
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Message - Black

SW-28



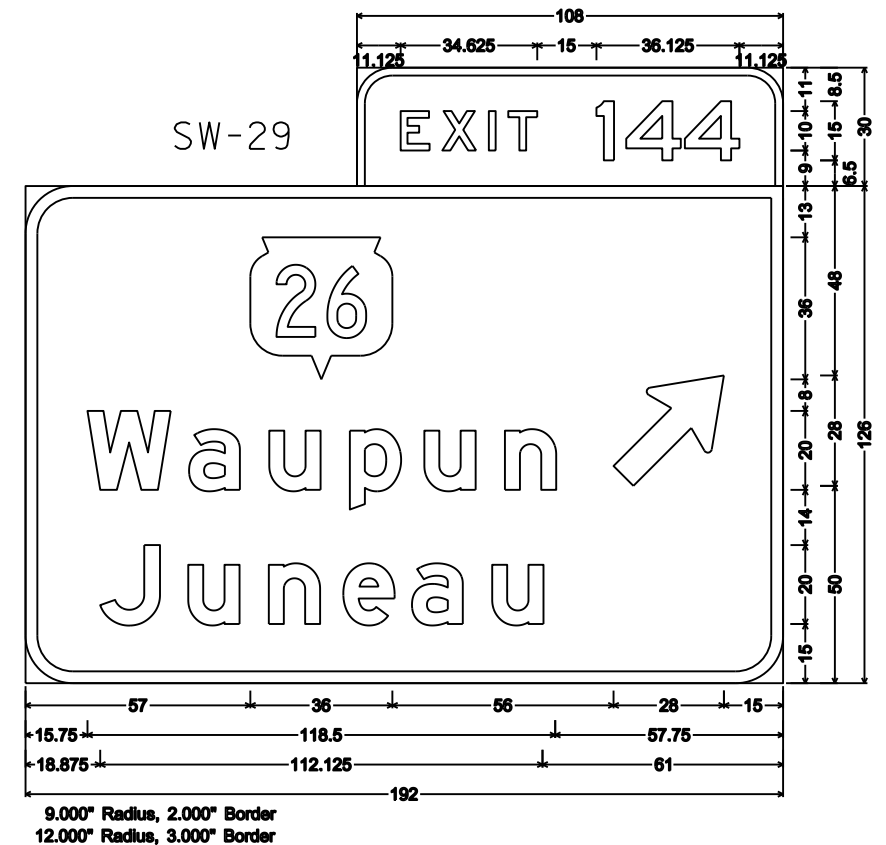
6.000" Radius, 2.000" Border

SW-26

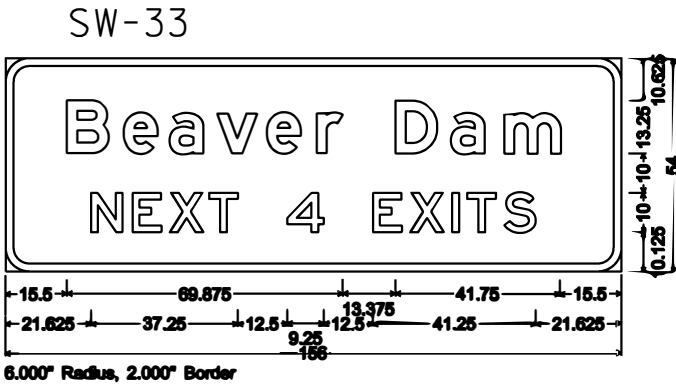
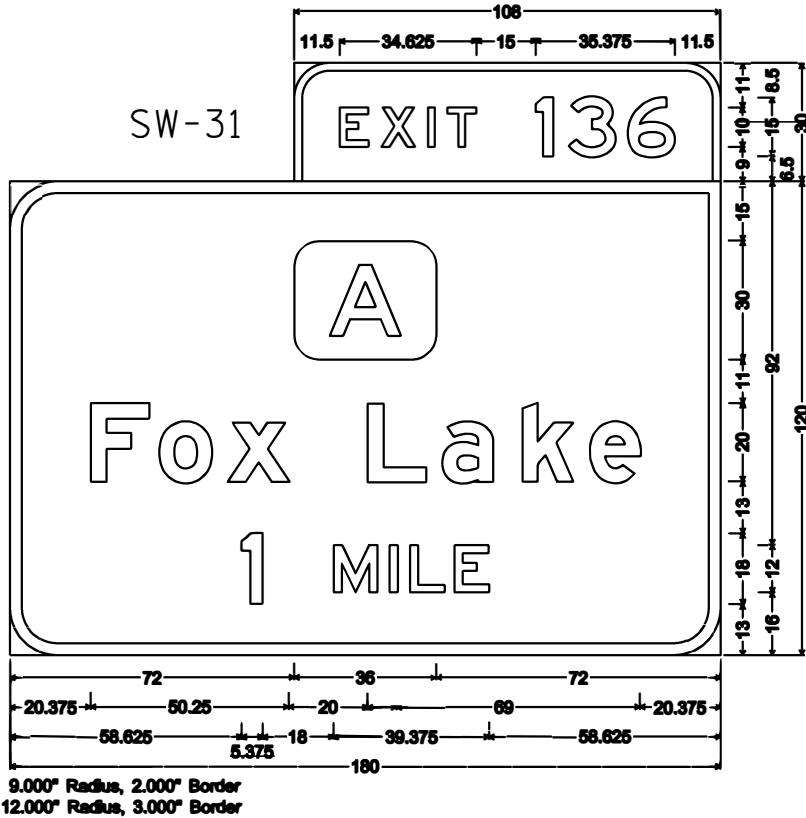


9.000" Radius, 2.000" Border
12.000" Radius, 3.000" Border

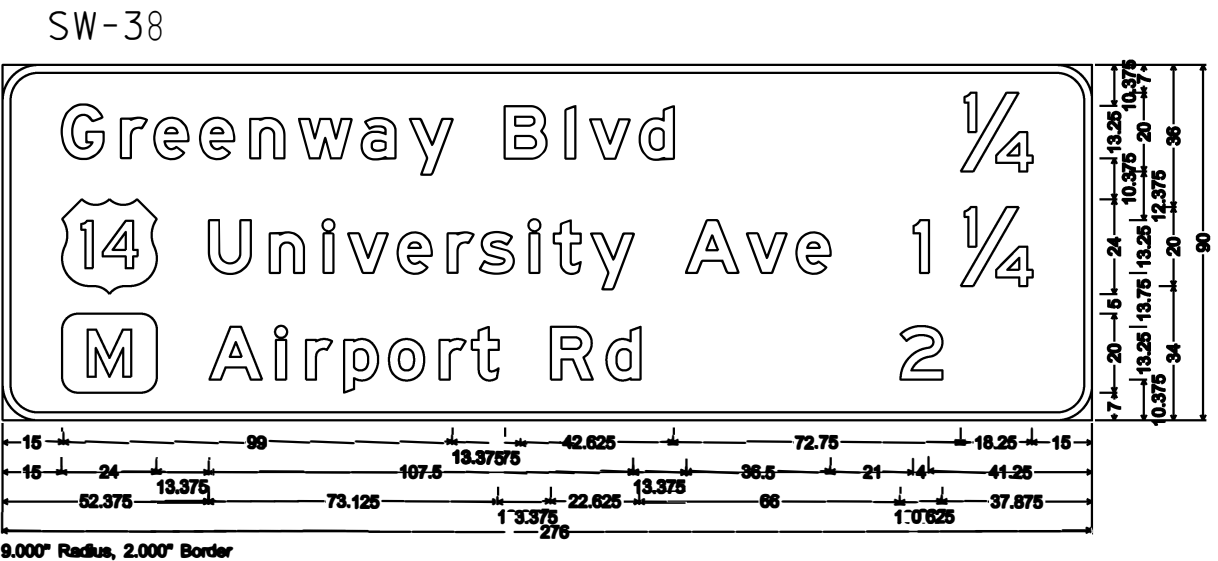
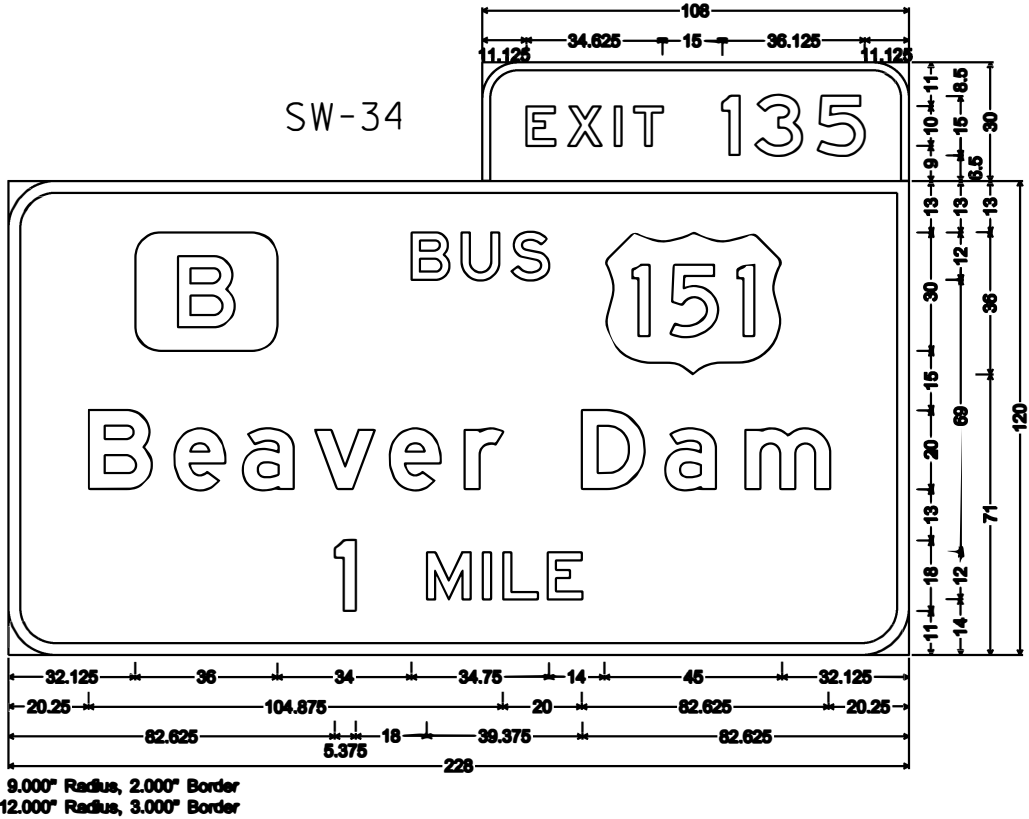
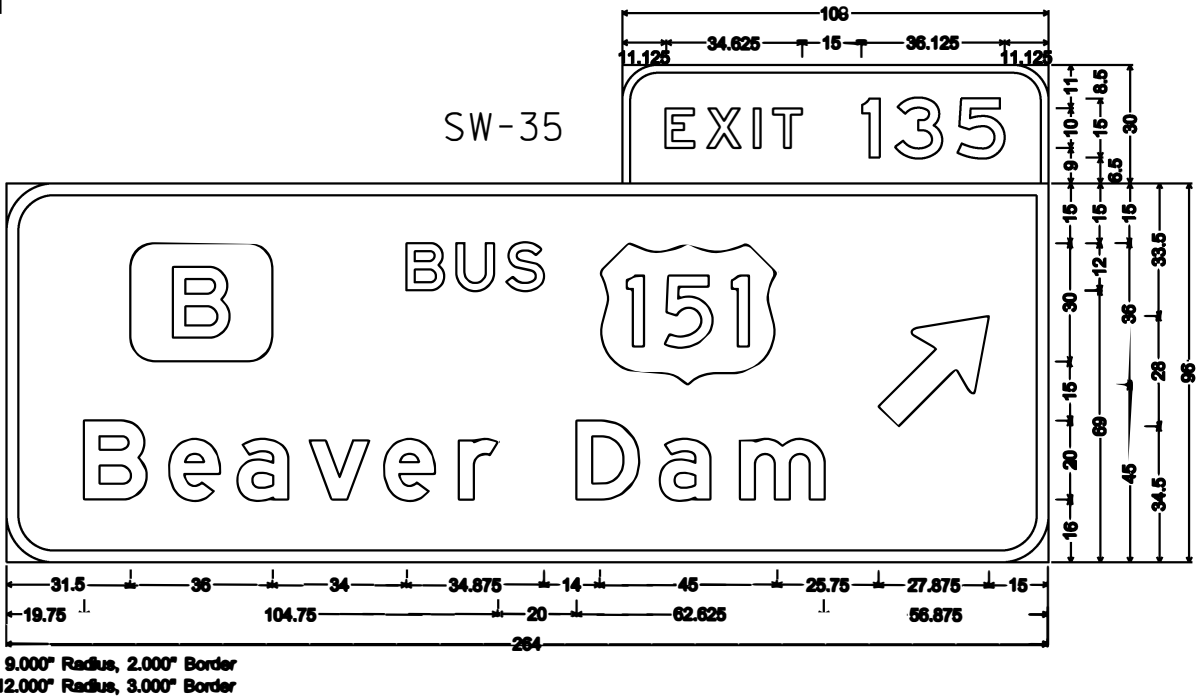
SW-29



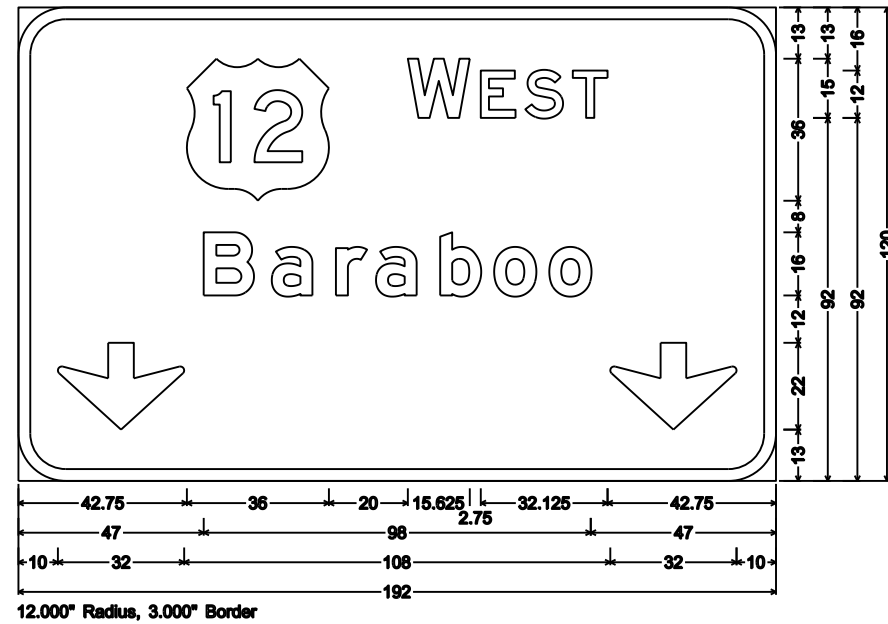
9.000" Radius, 2.000" Border
12.000" Radius, 3.000" Border



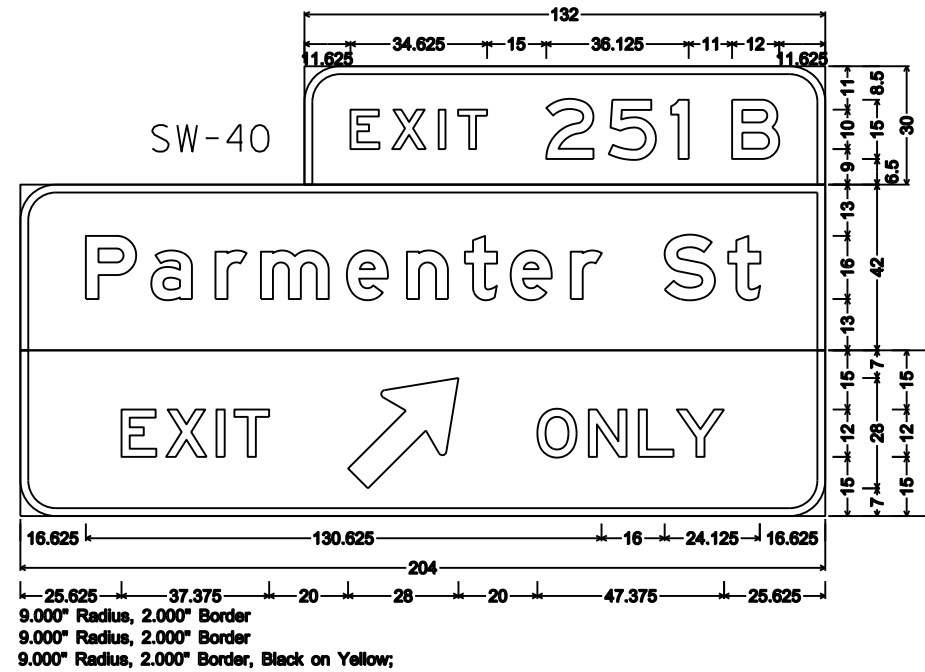
- NOTES
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SW-39



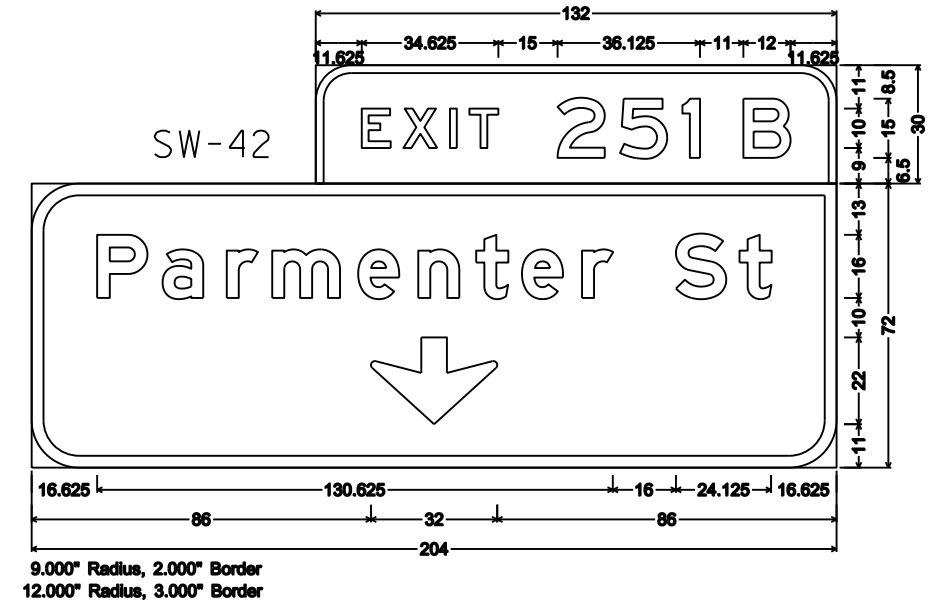
SW-40



NOTES

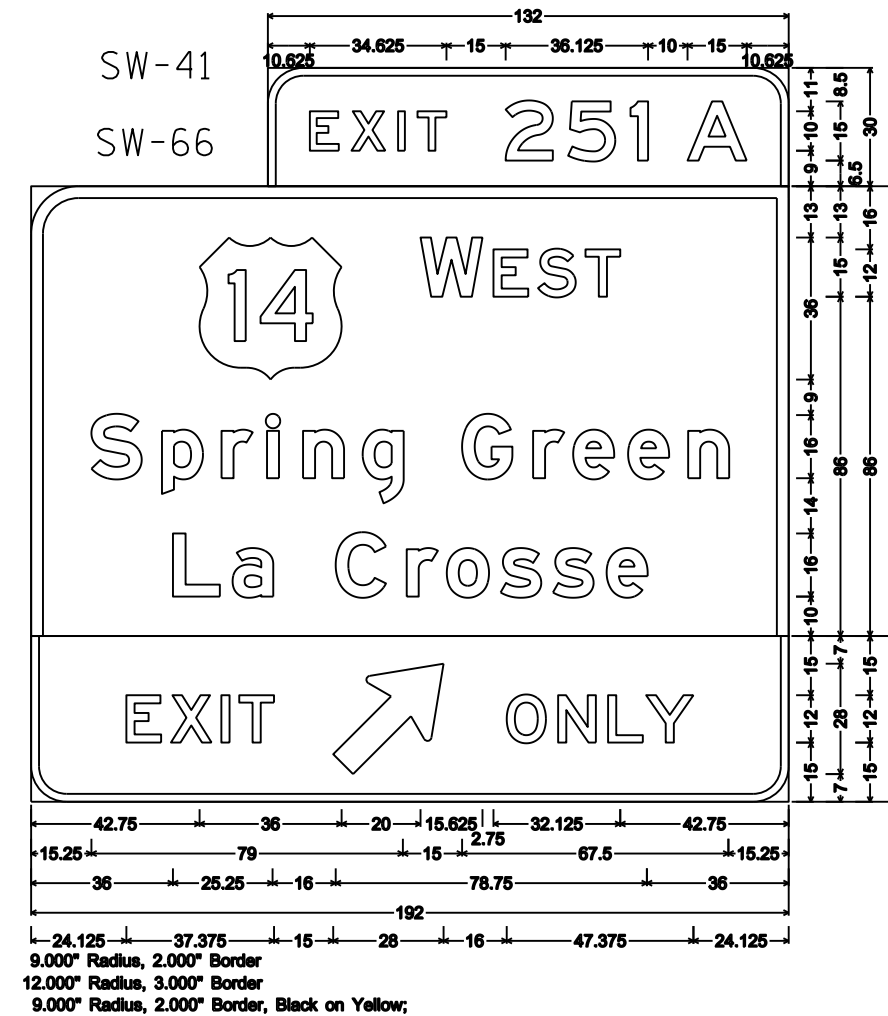
1. All Signs are Type I - Type SH Reflective
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Message - White
3. Message Series - E Modified except all cap Words are Series E
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Message - Black

SW-42

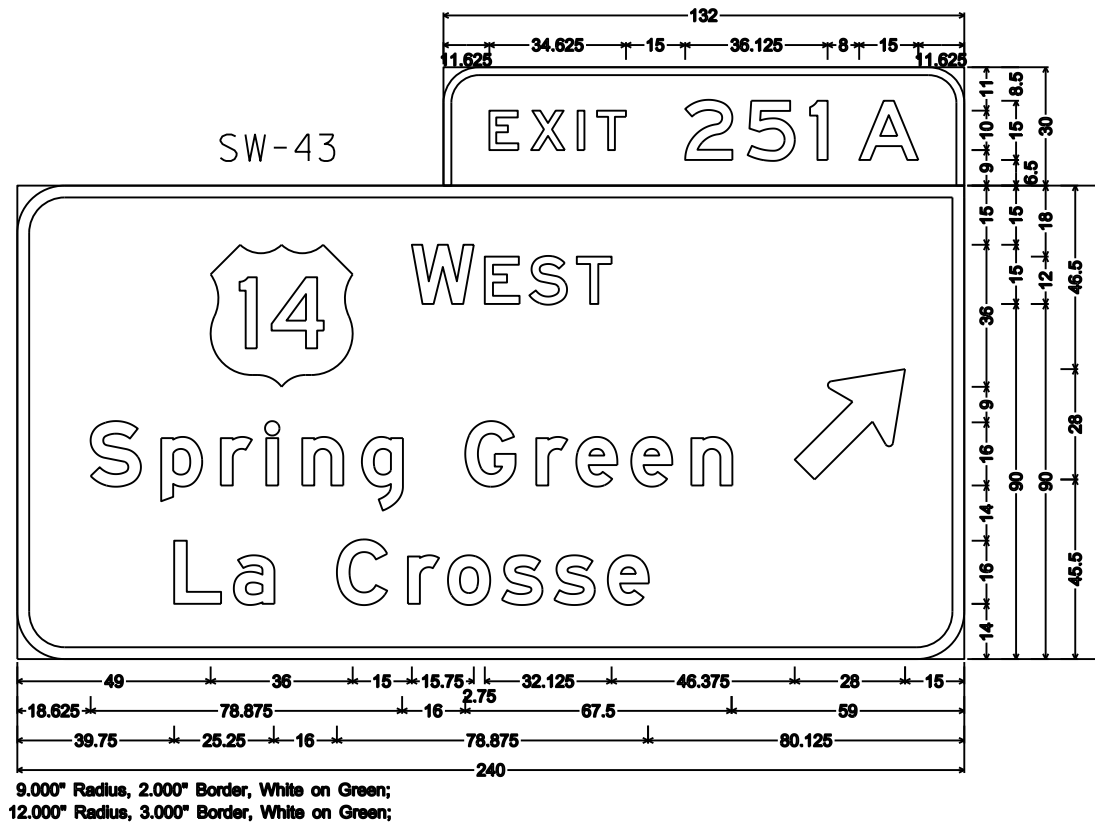


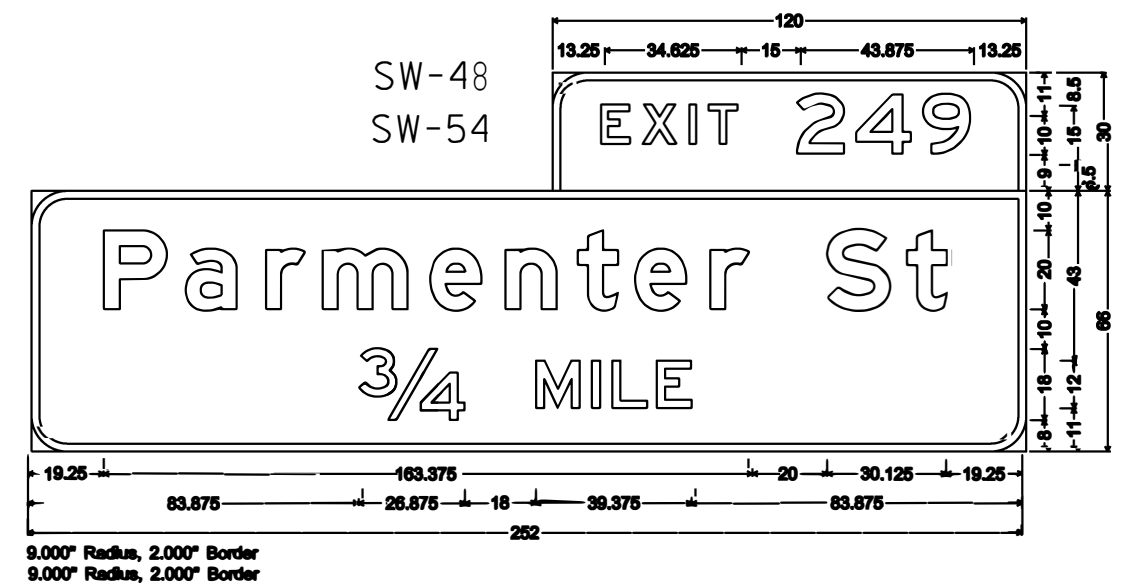
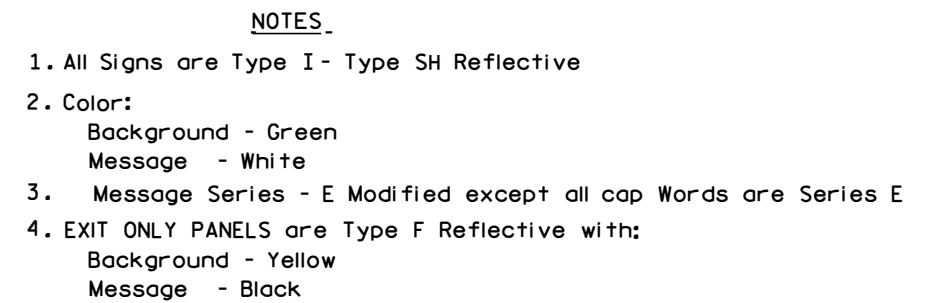
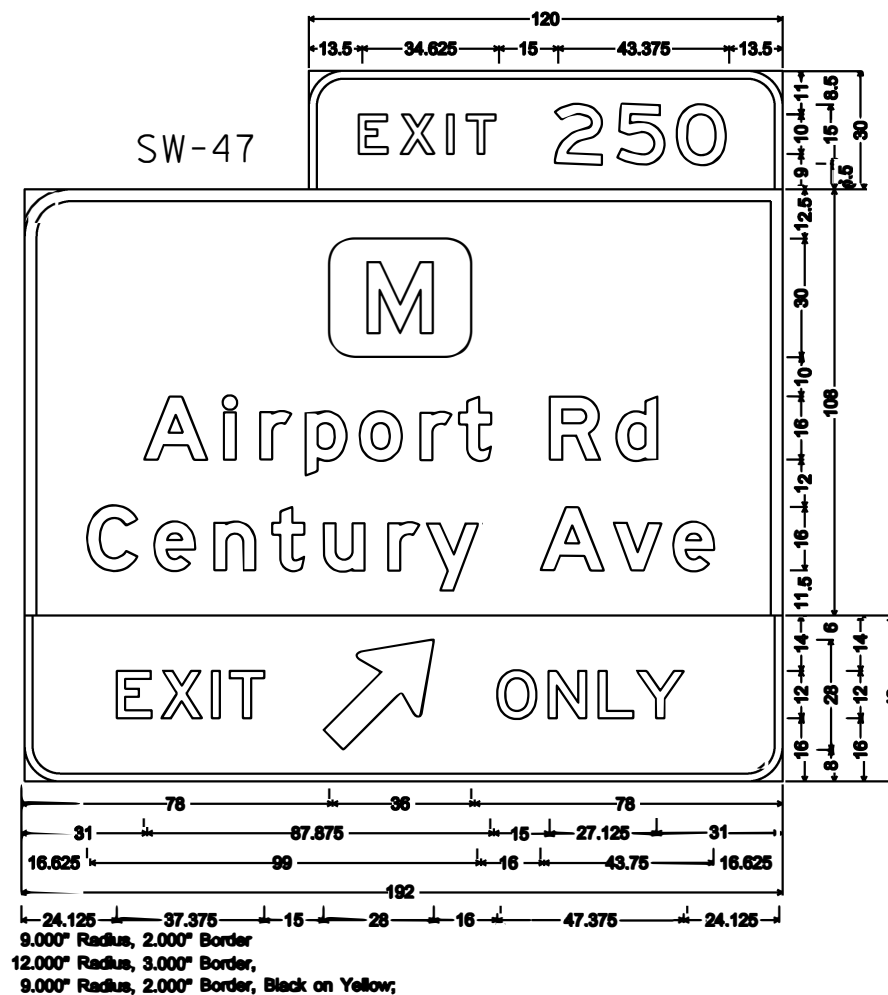
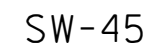
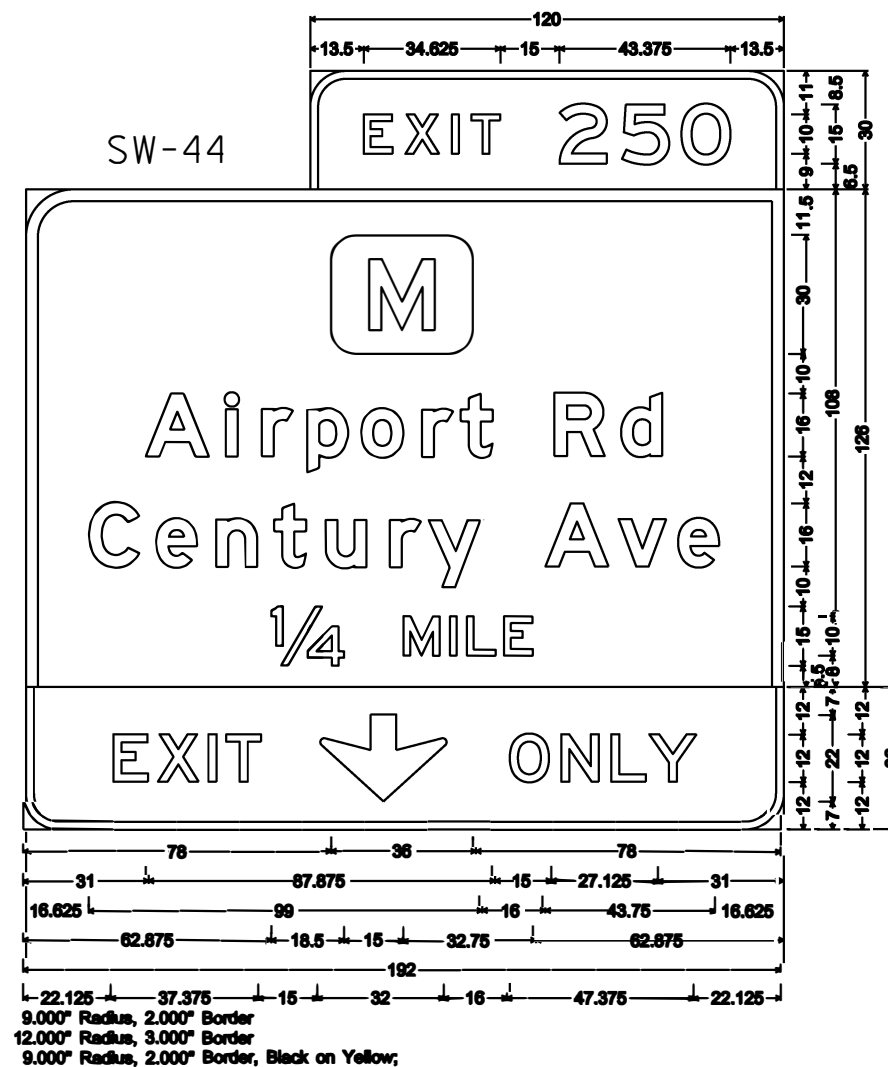
SW-41

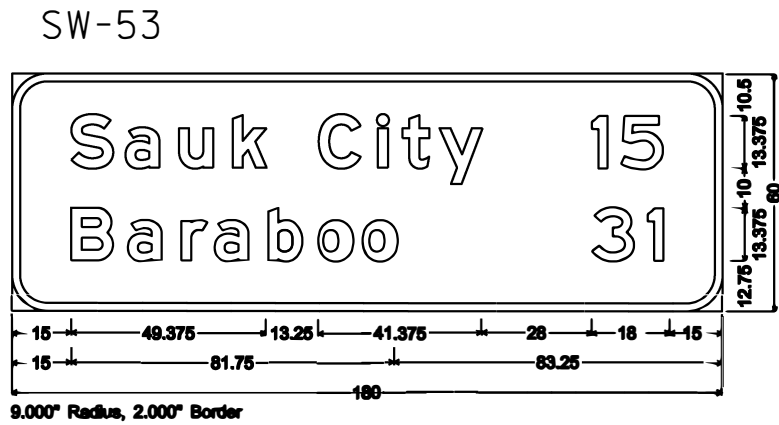
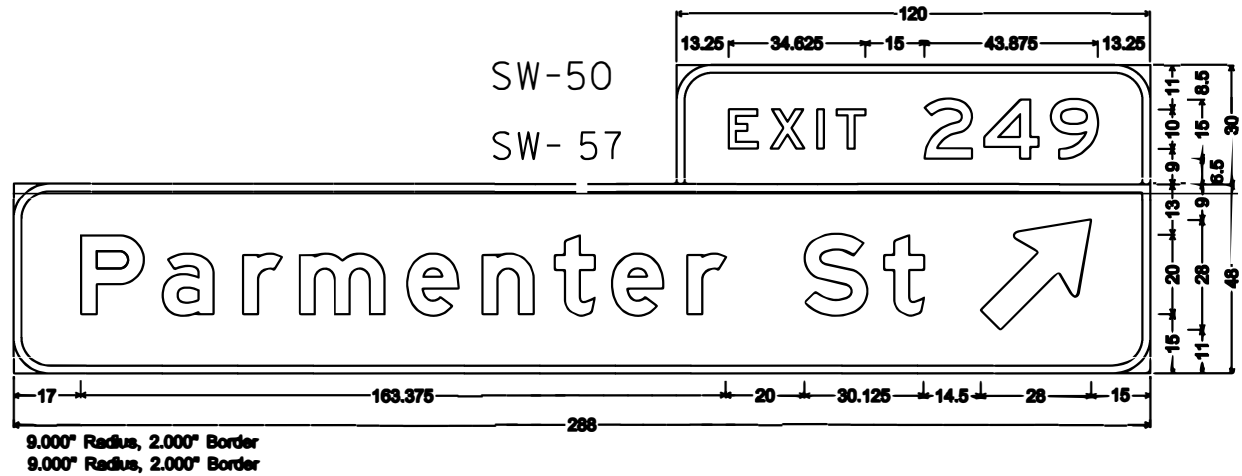
SW-66



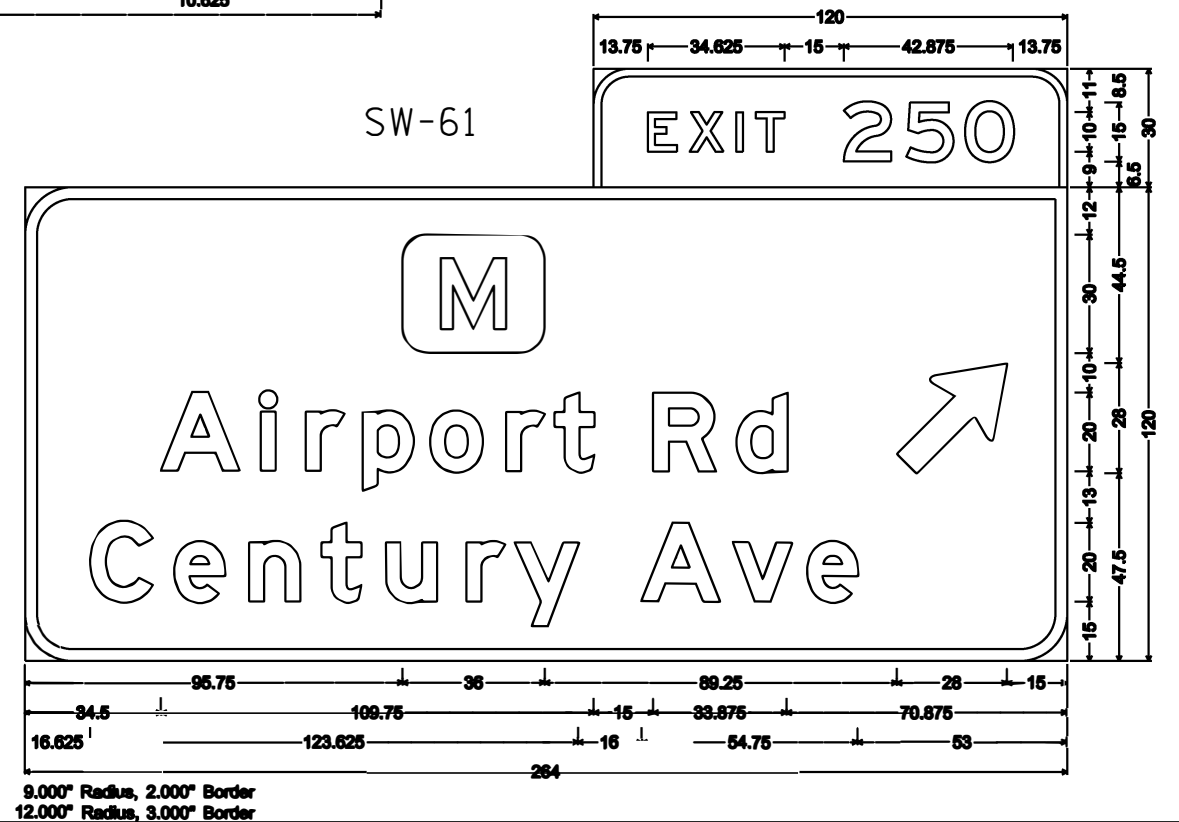
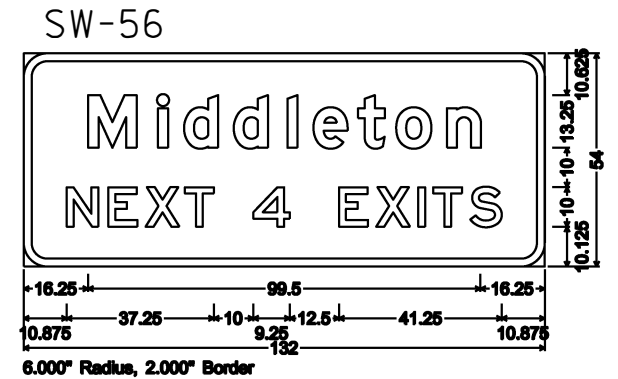
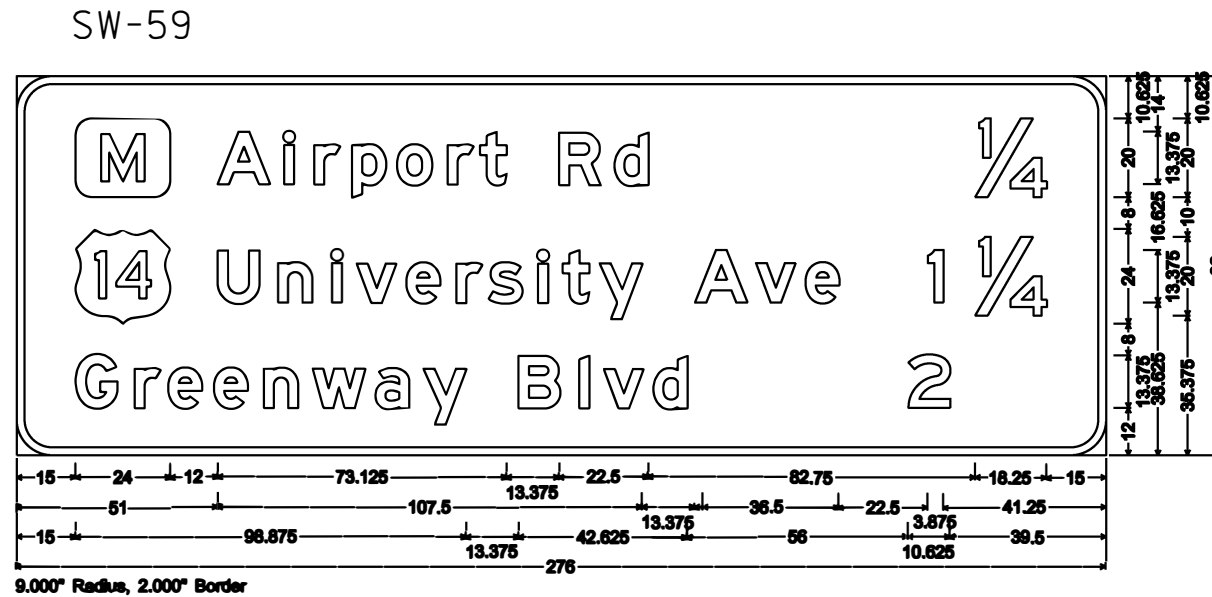
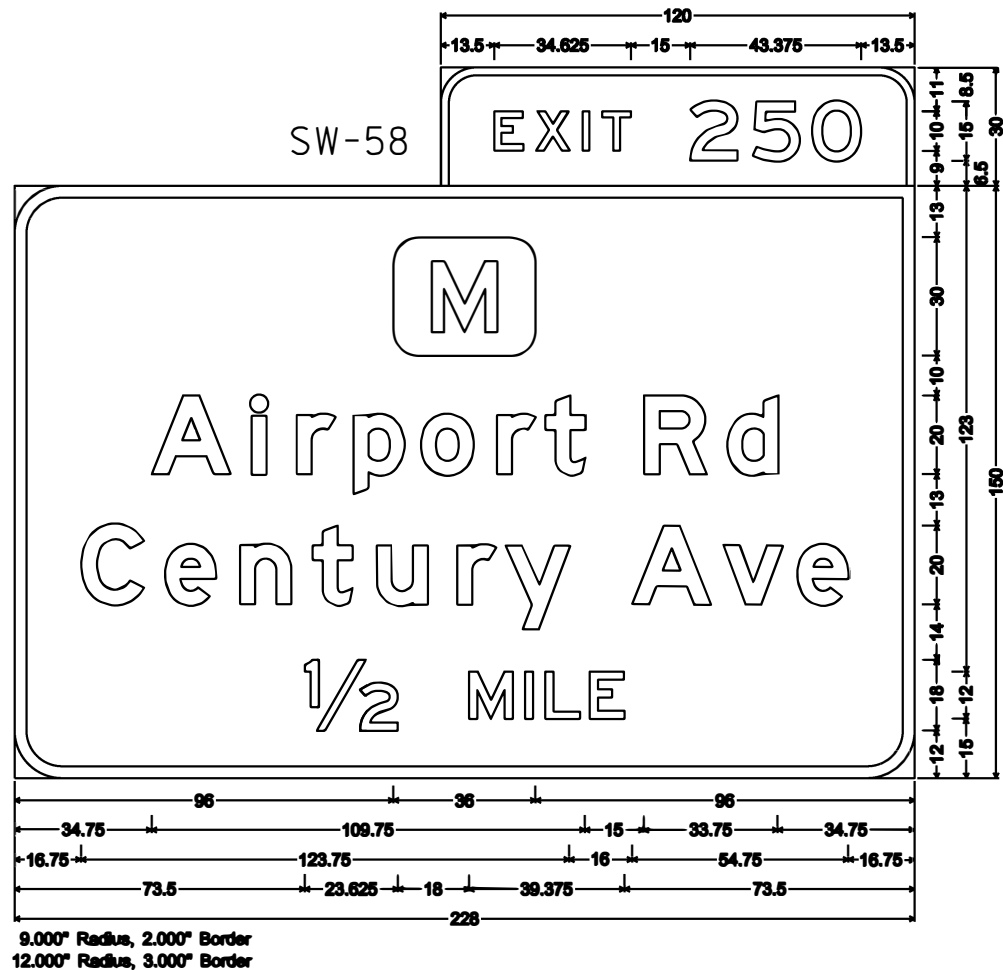
SW-43

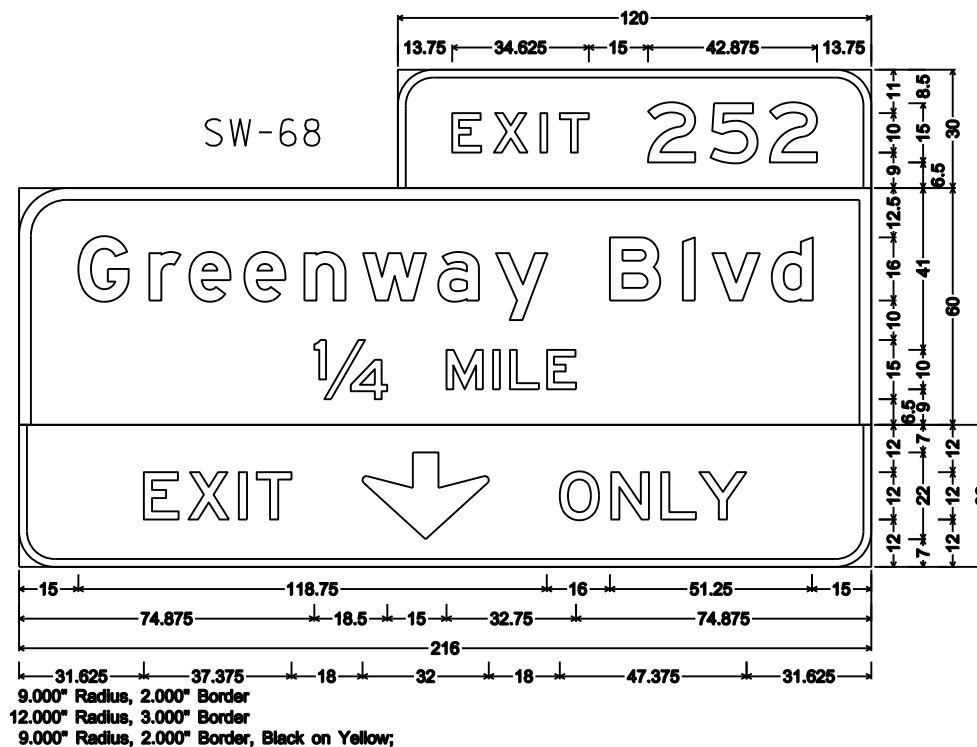
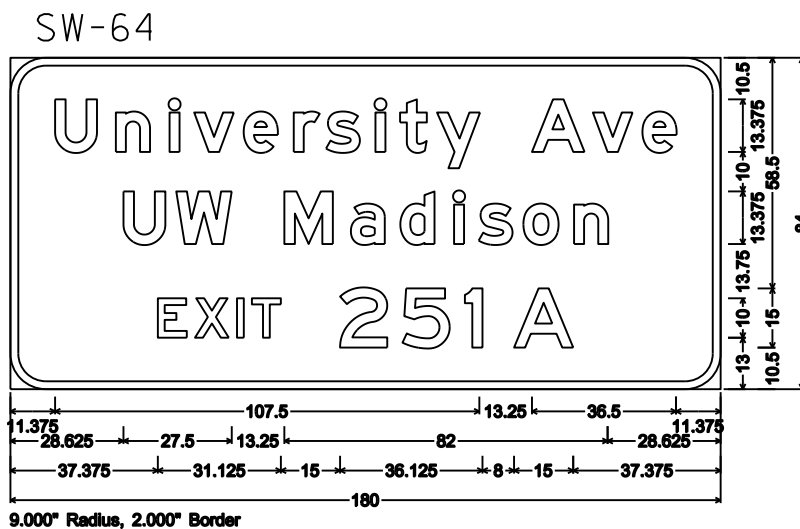
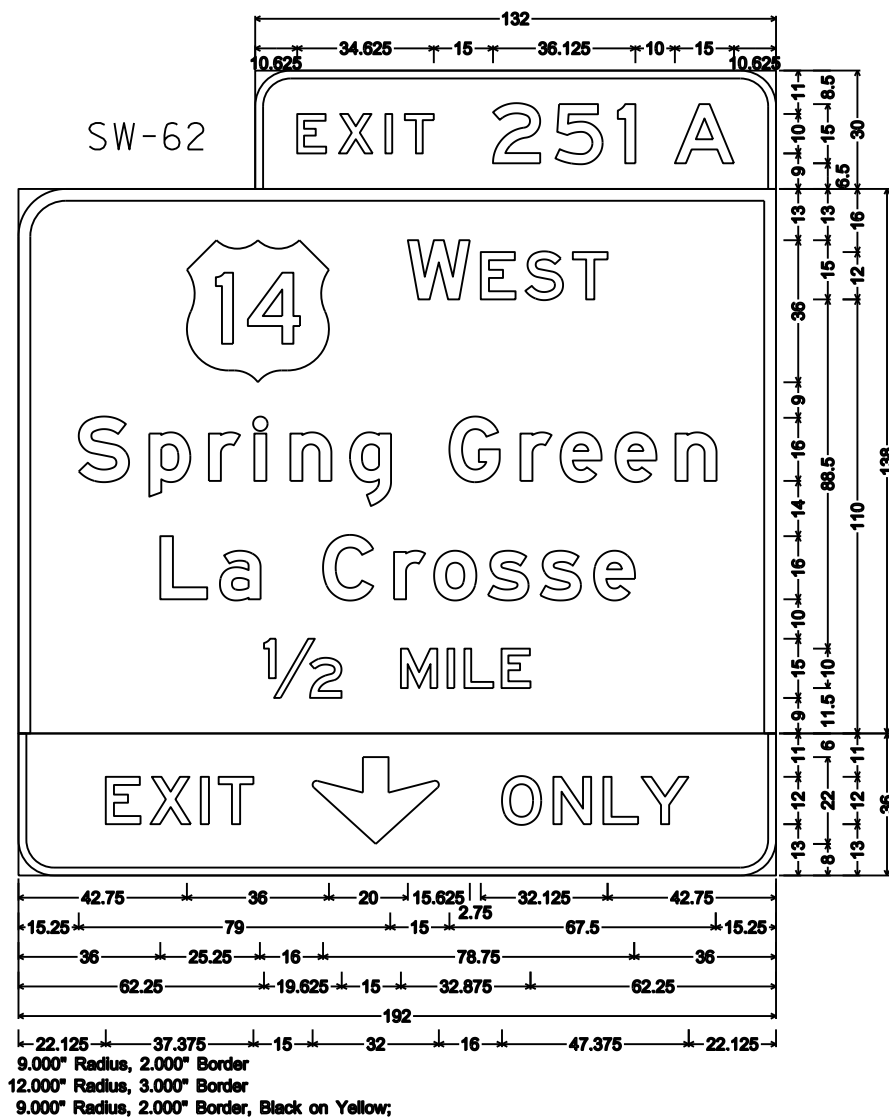




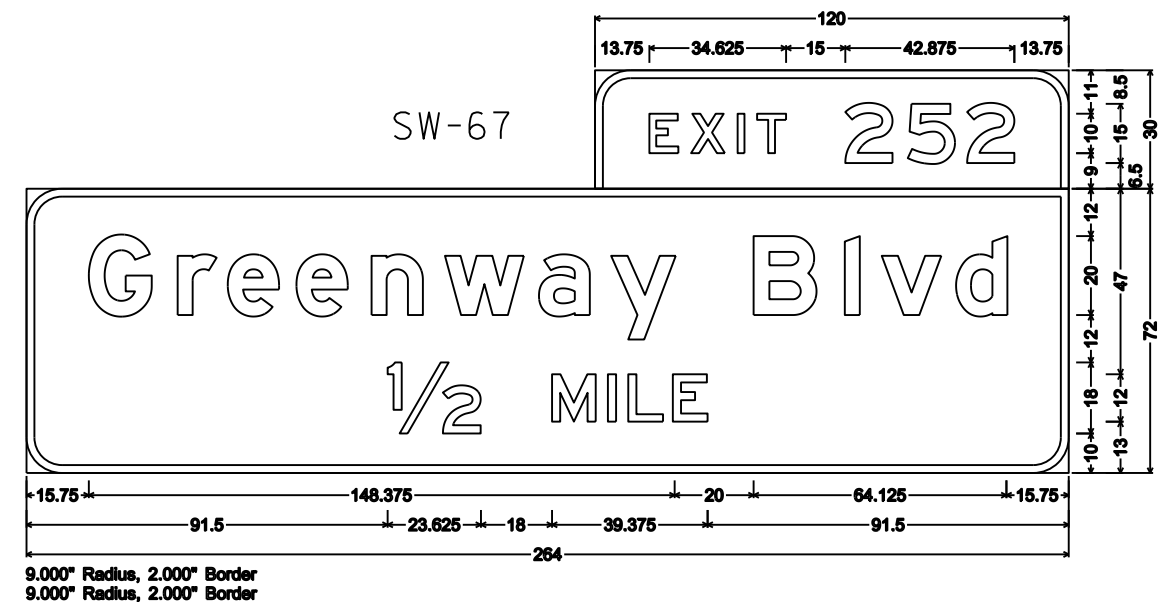
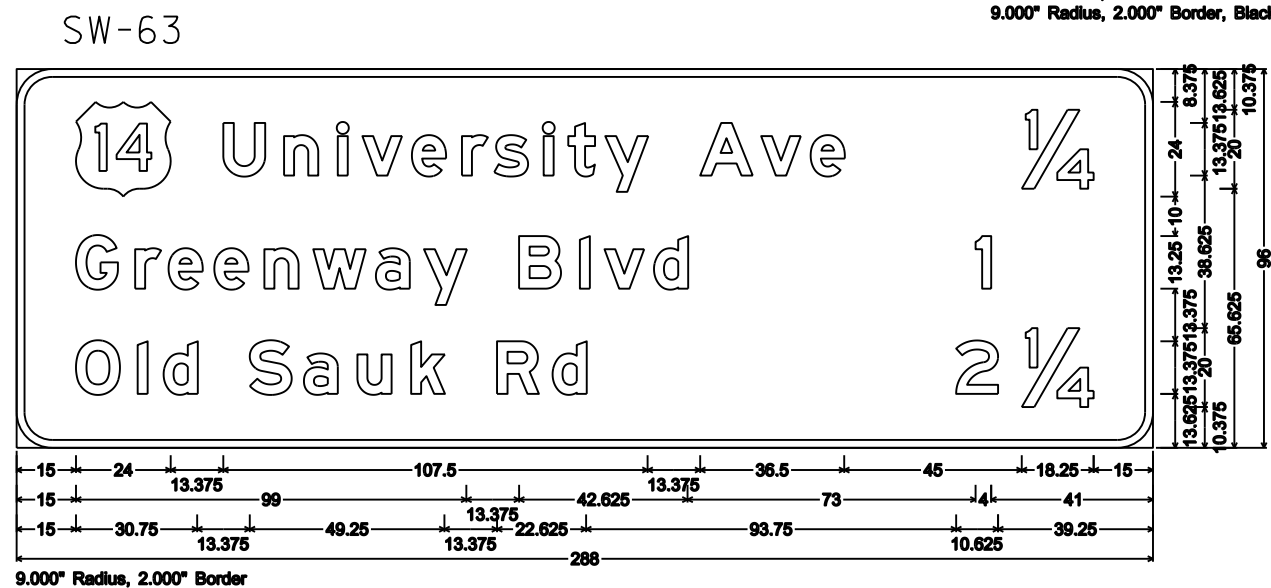
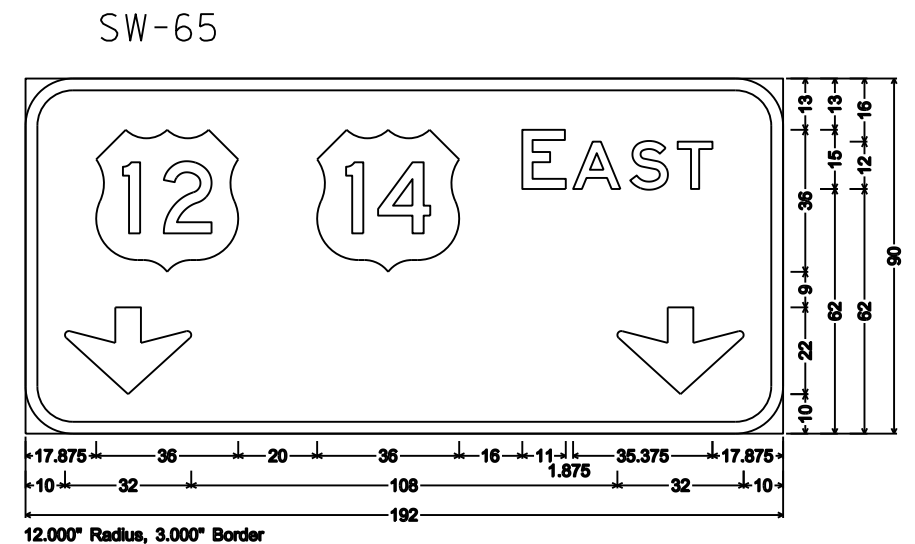


- NOTES
1. All Signs are Type I - Type SH Reflective
 2. Color:
Background - Green
Message - White
 3. Message Series - E Modified except all cap Words are Series E
 4. EXIT ONLY PANELS are Type F Reflective with:
Background - Yellow
Message - Black



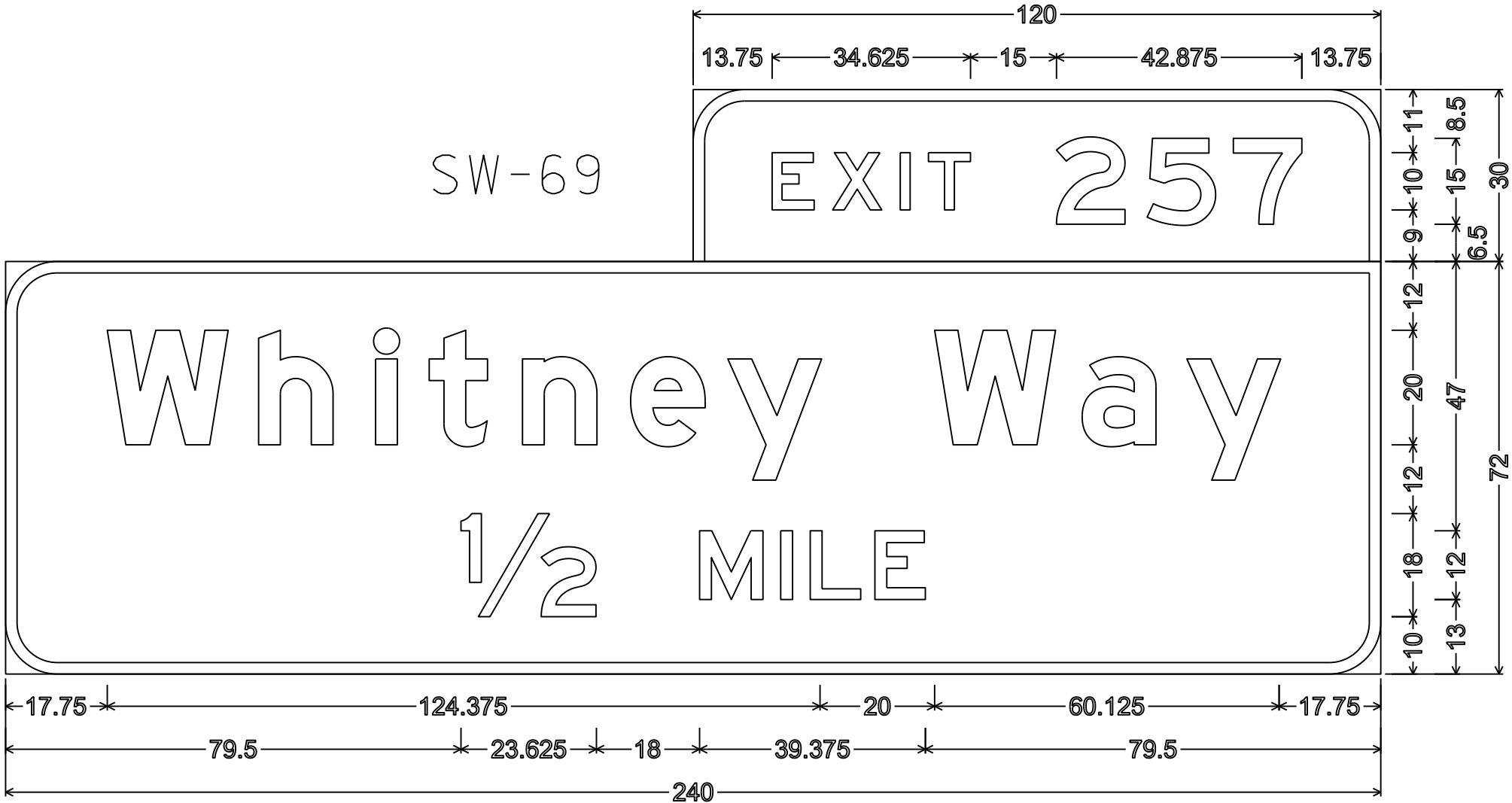


- ### NOTES
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NOTES

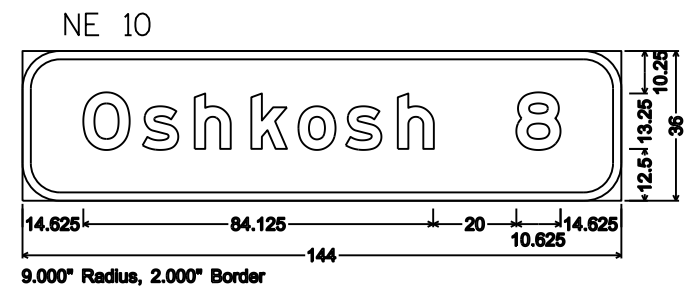
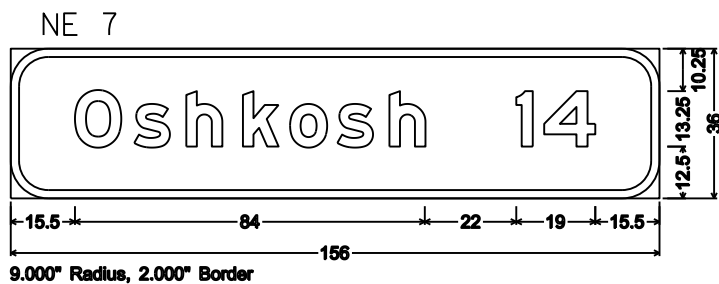
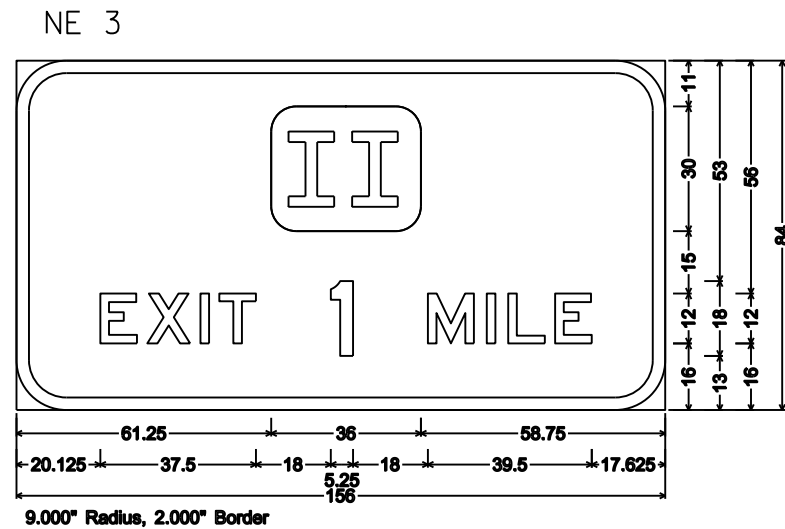
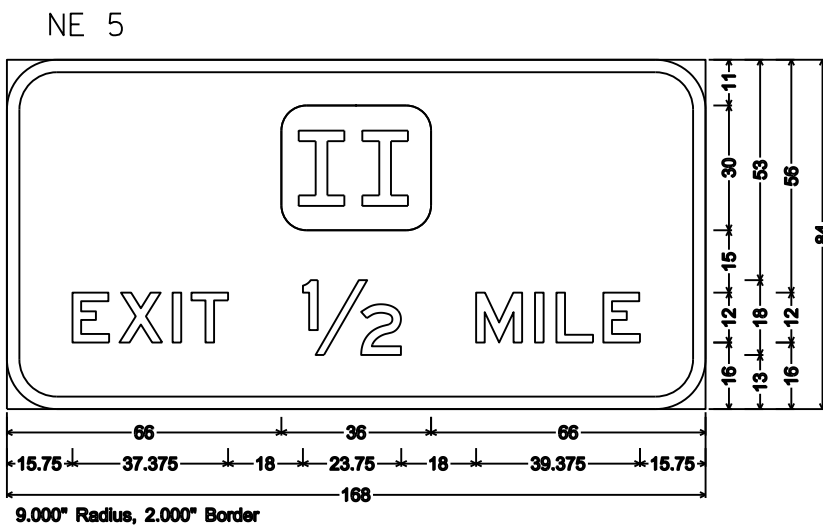
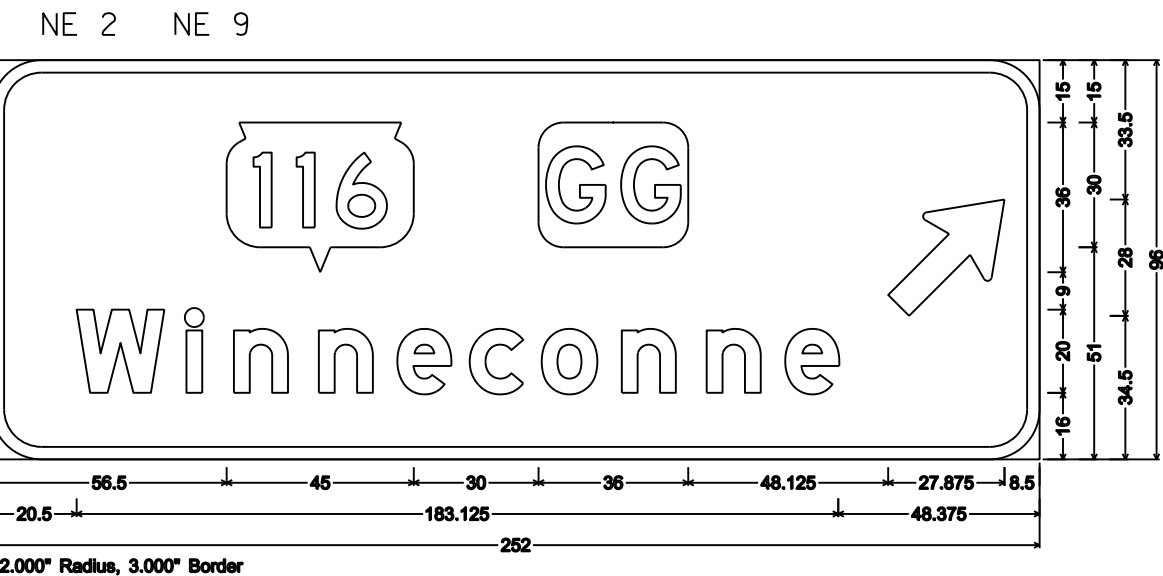
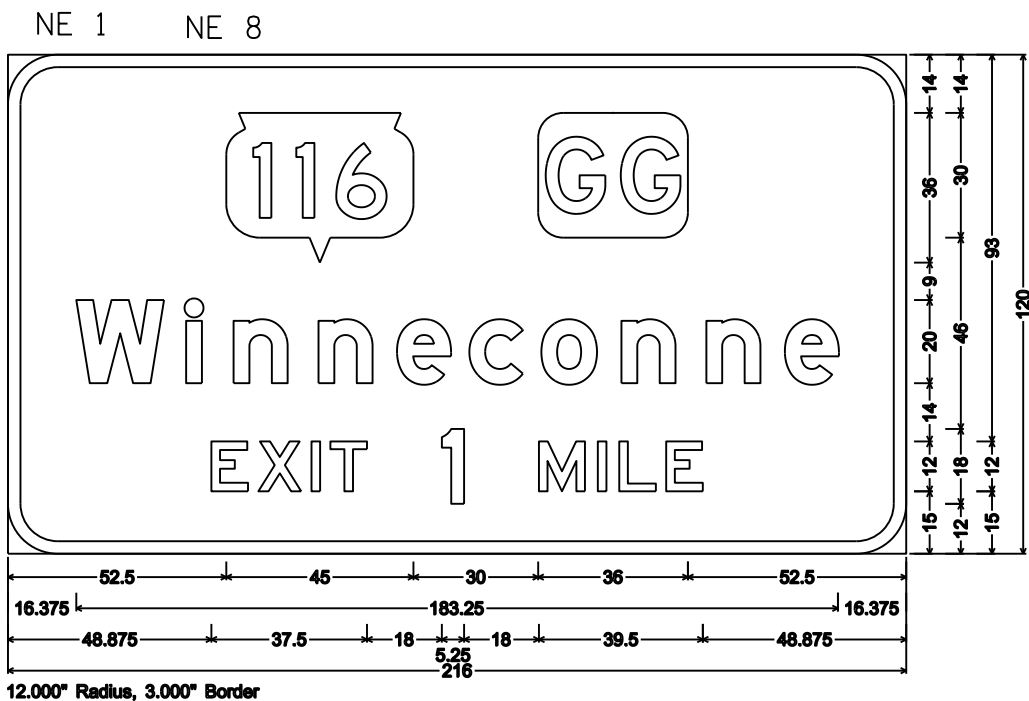
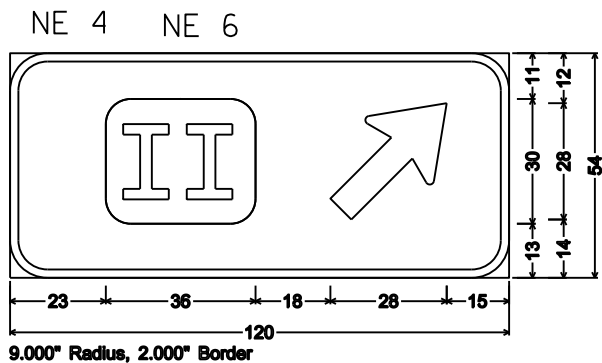
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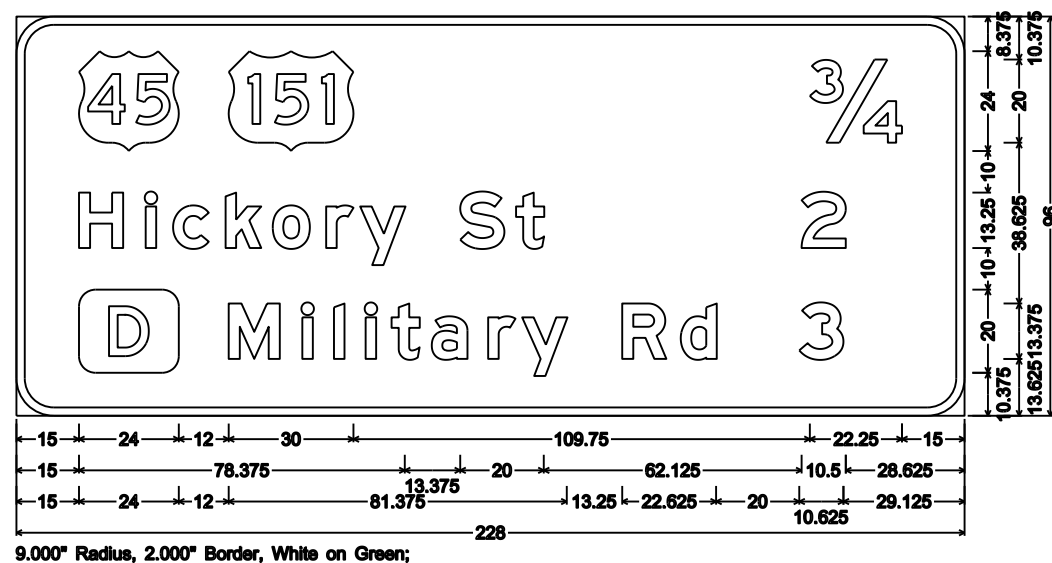
9.000" Radius, 2.000" Border,
9.000" Radius, 2.000" Border,

NOTES

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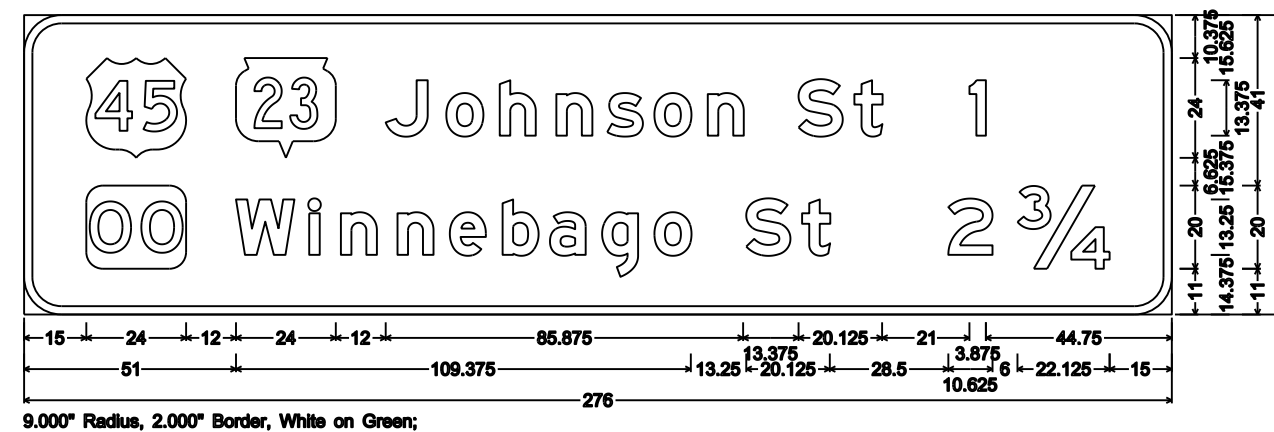


NOTES

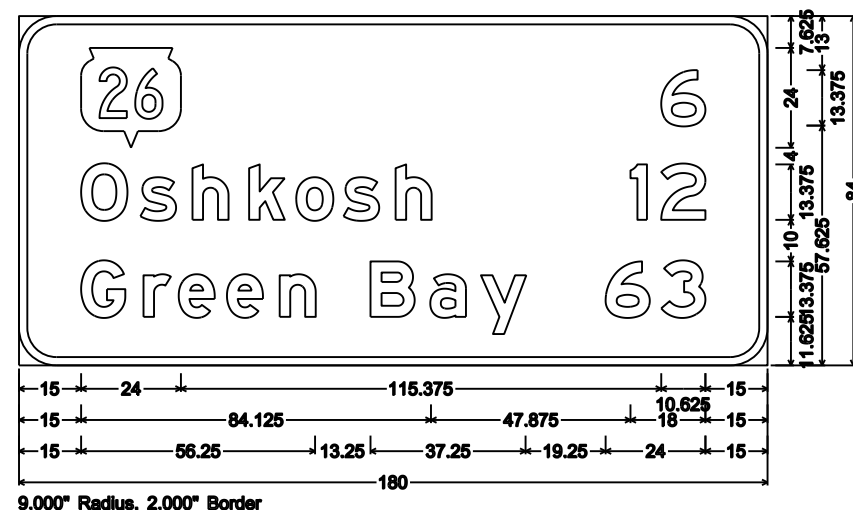


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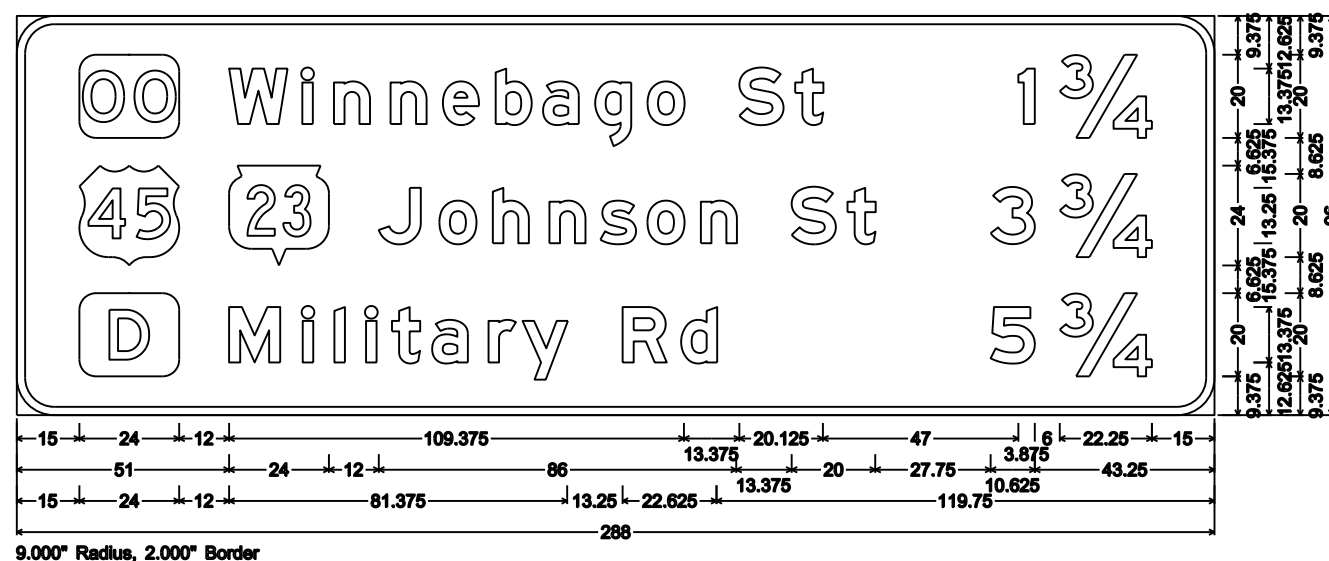
NE 13



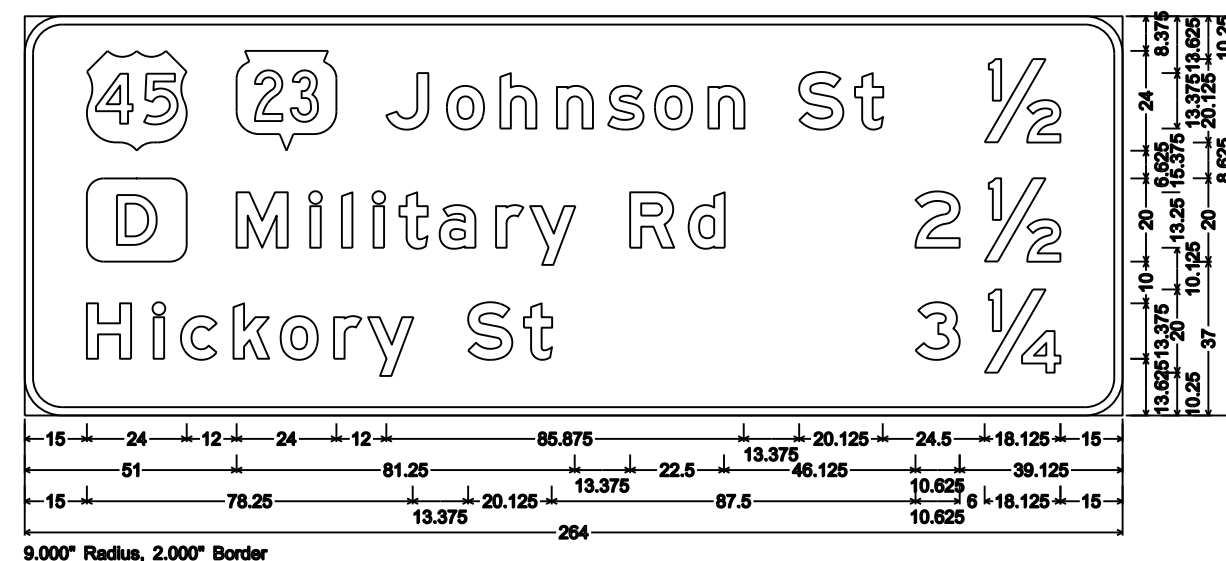
NE 13



NE 14

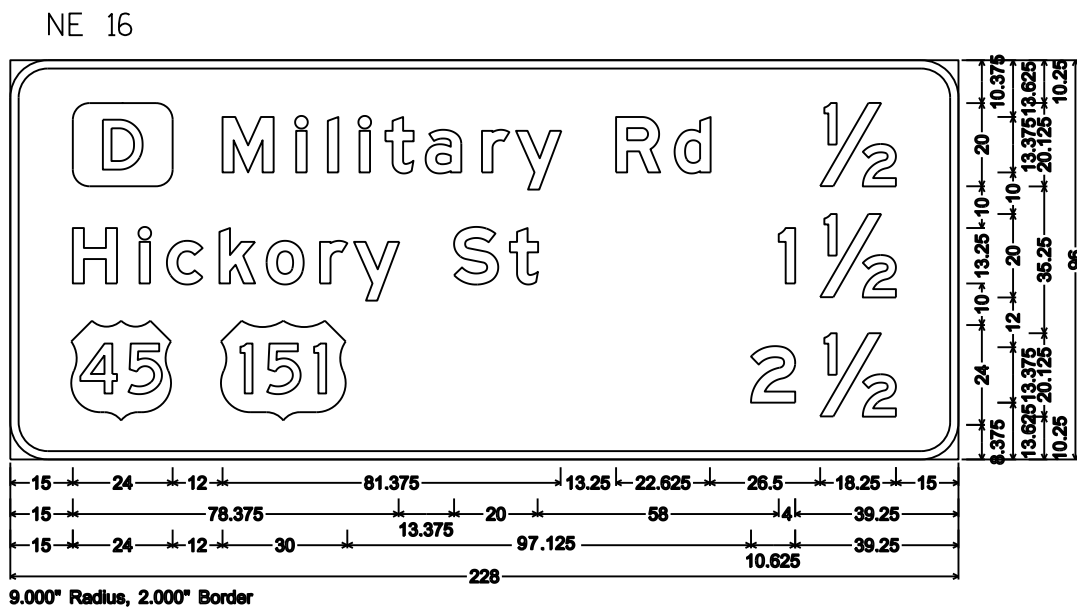
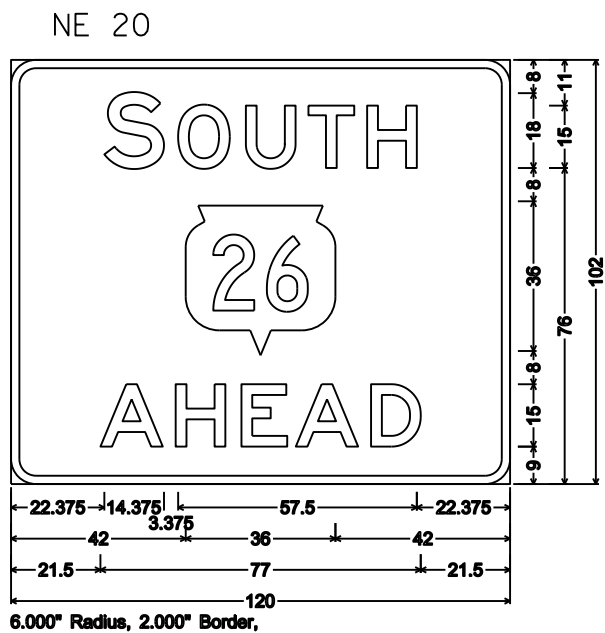
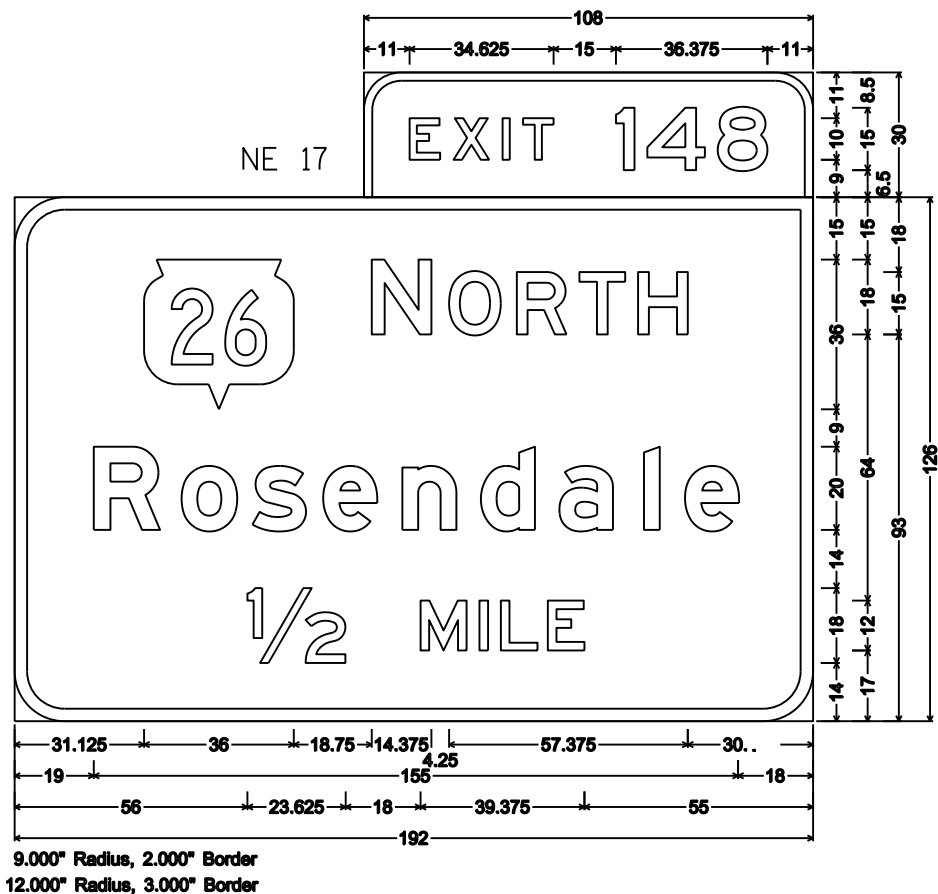
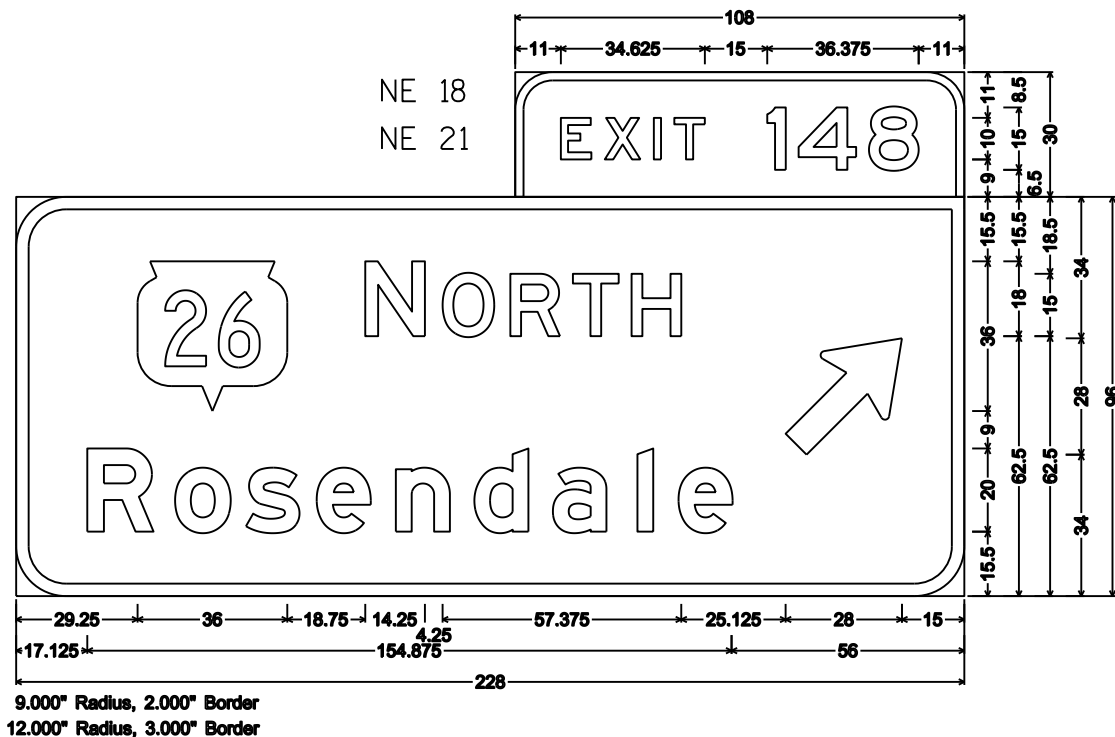
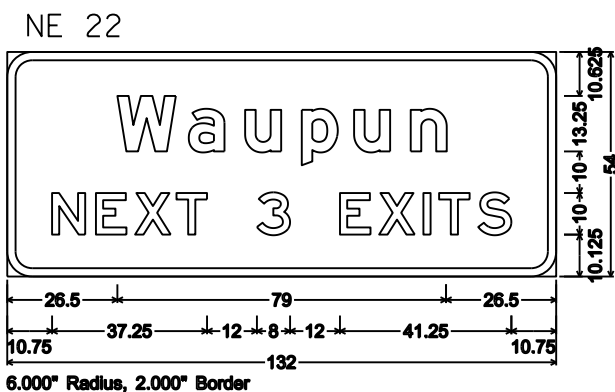
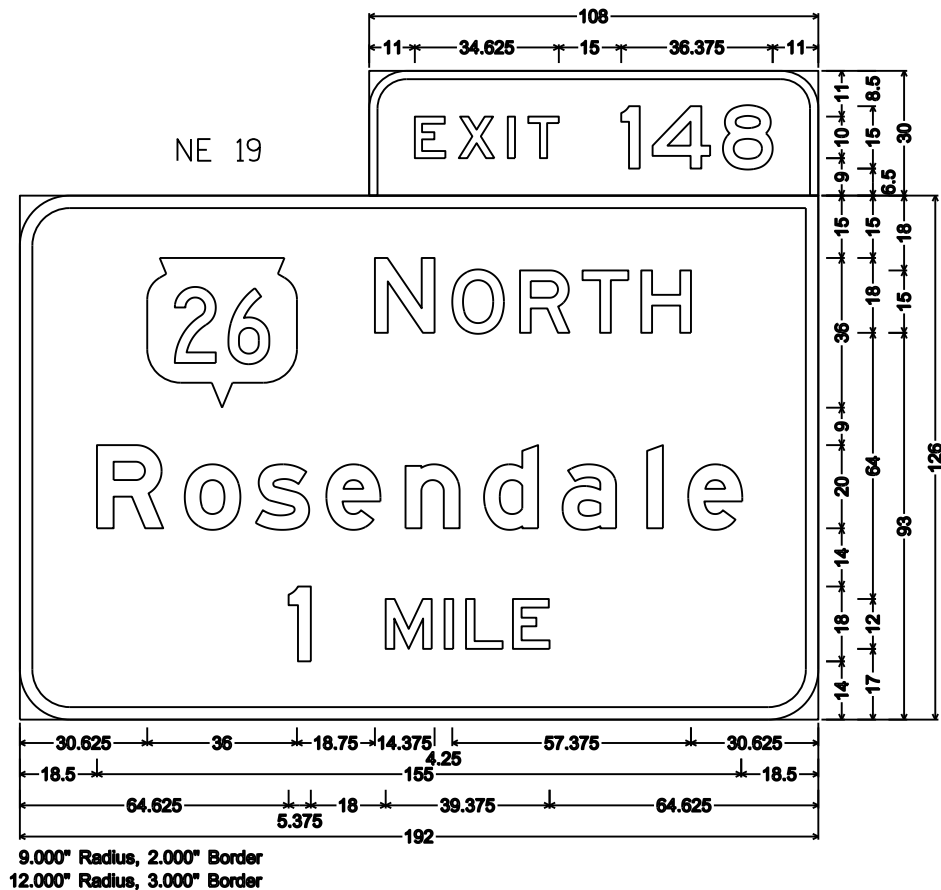


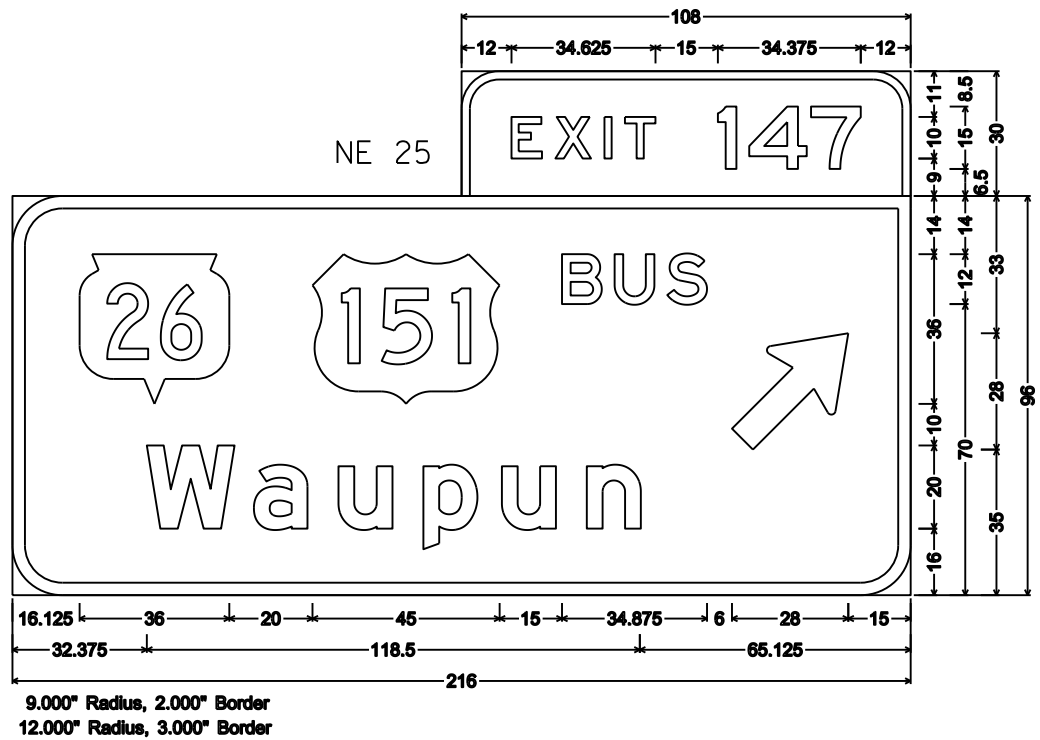
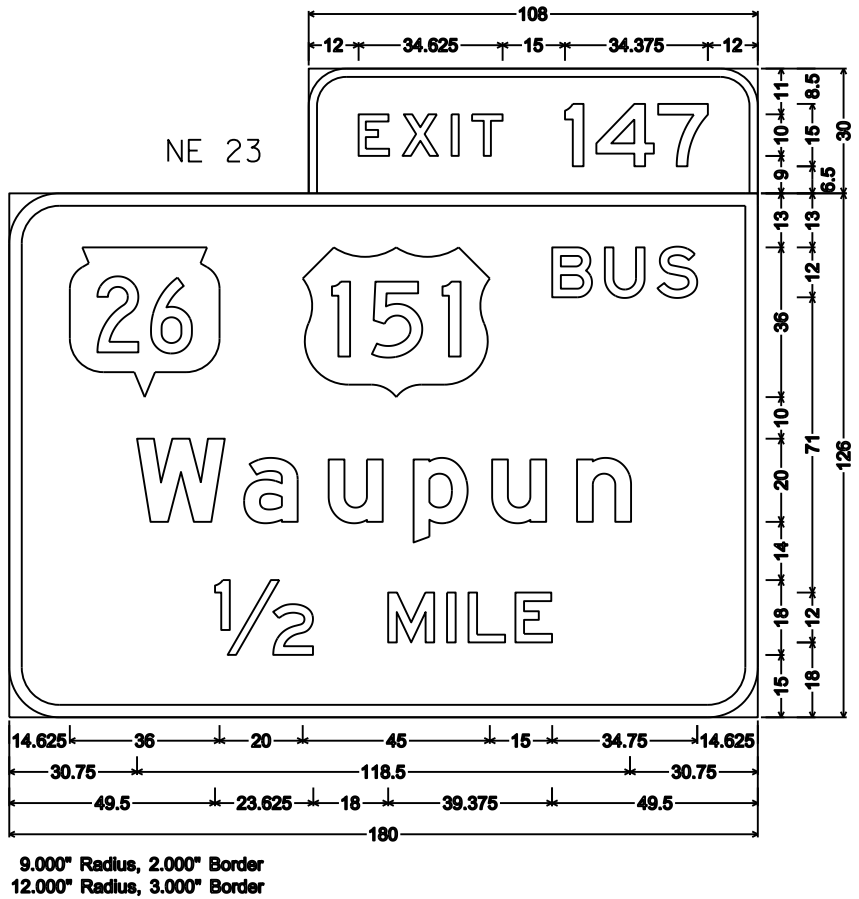
NE 15



NOTES

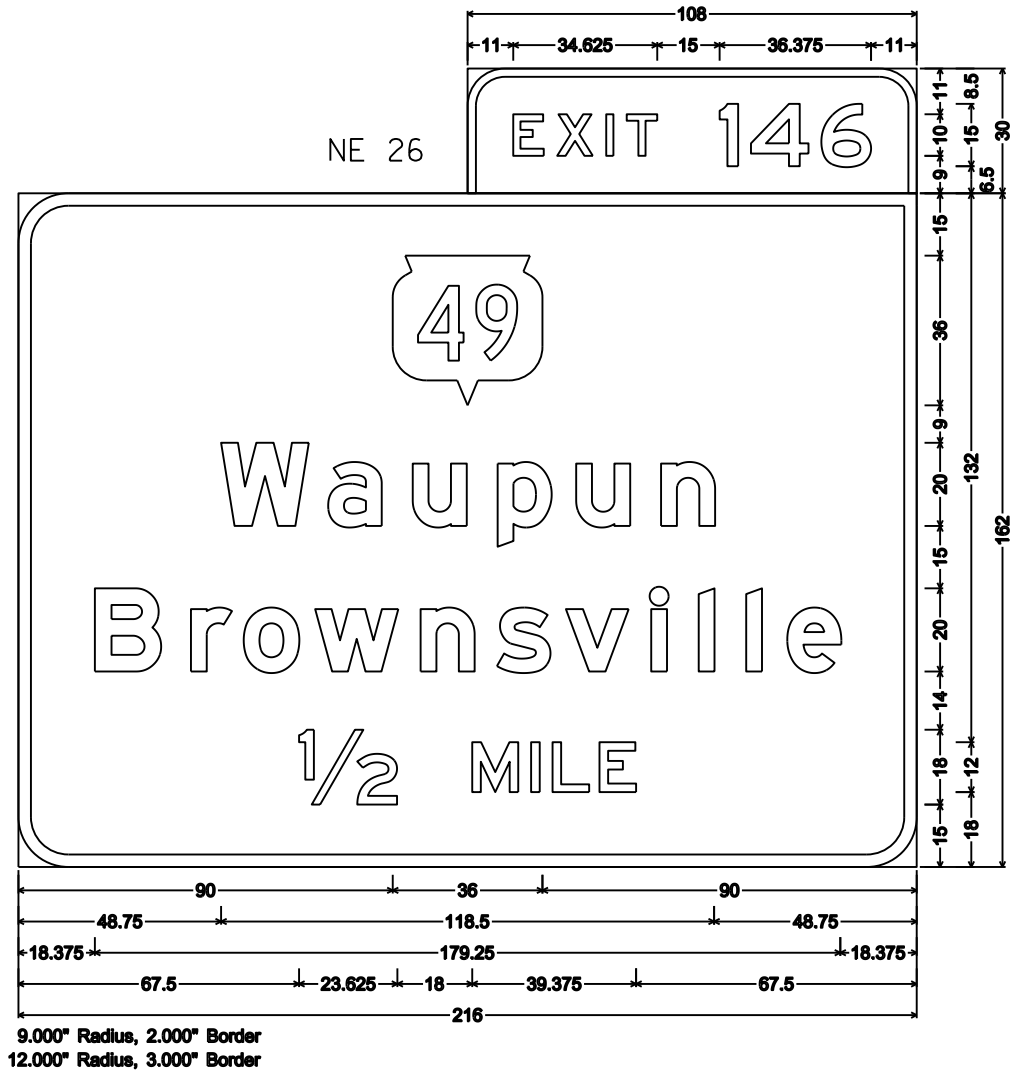
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4. Exit Only Panels Type F Reflective with:
Background - Yellow
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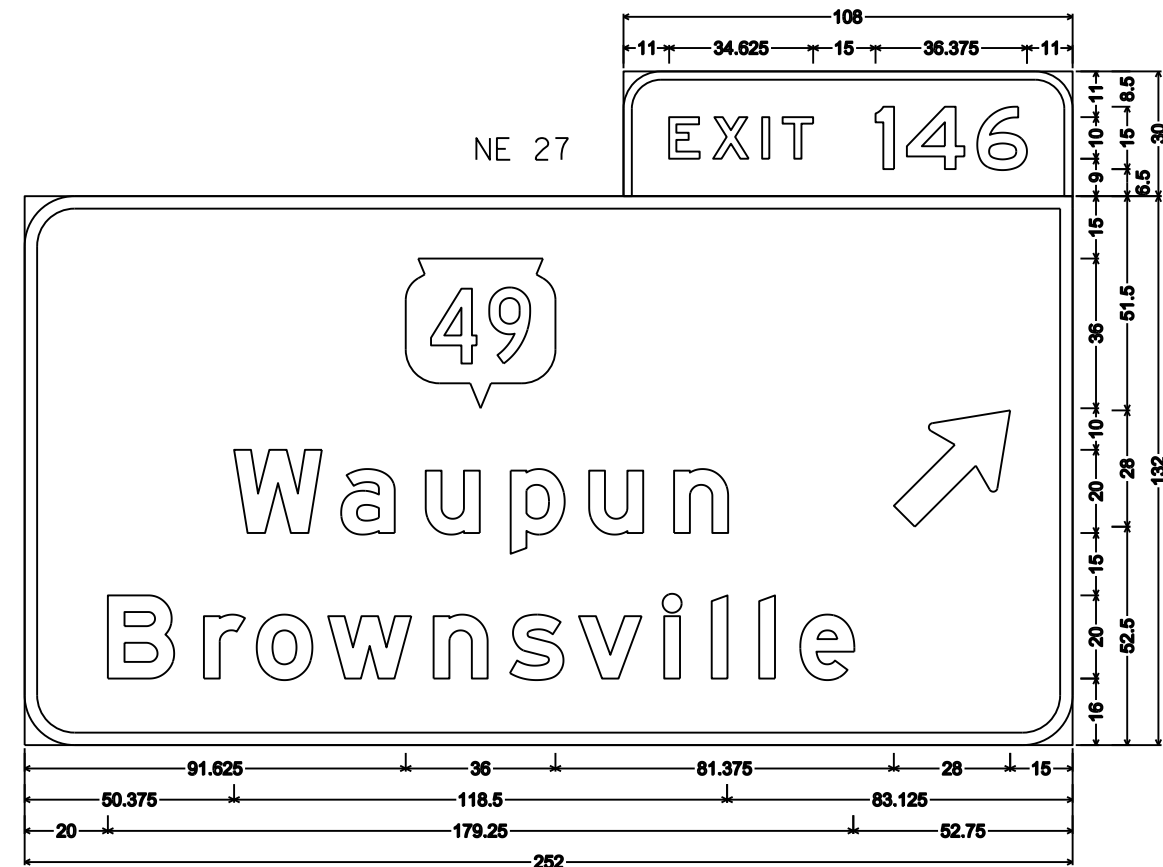




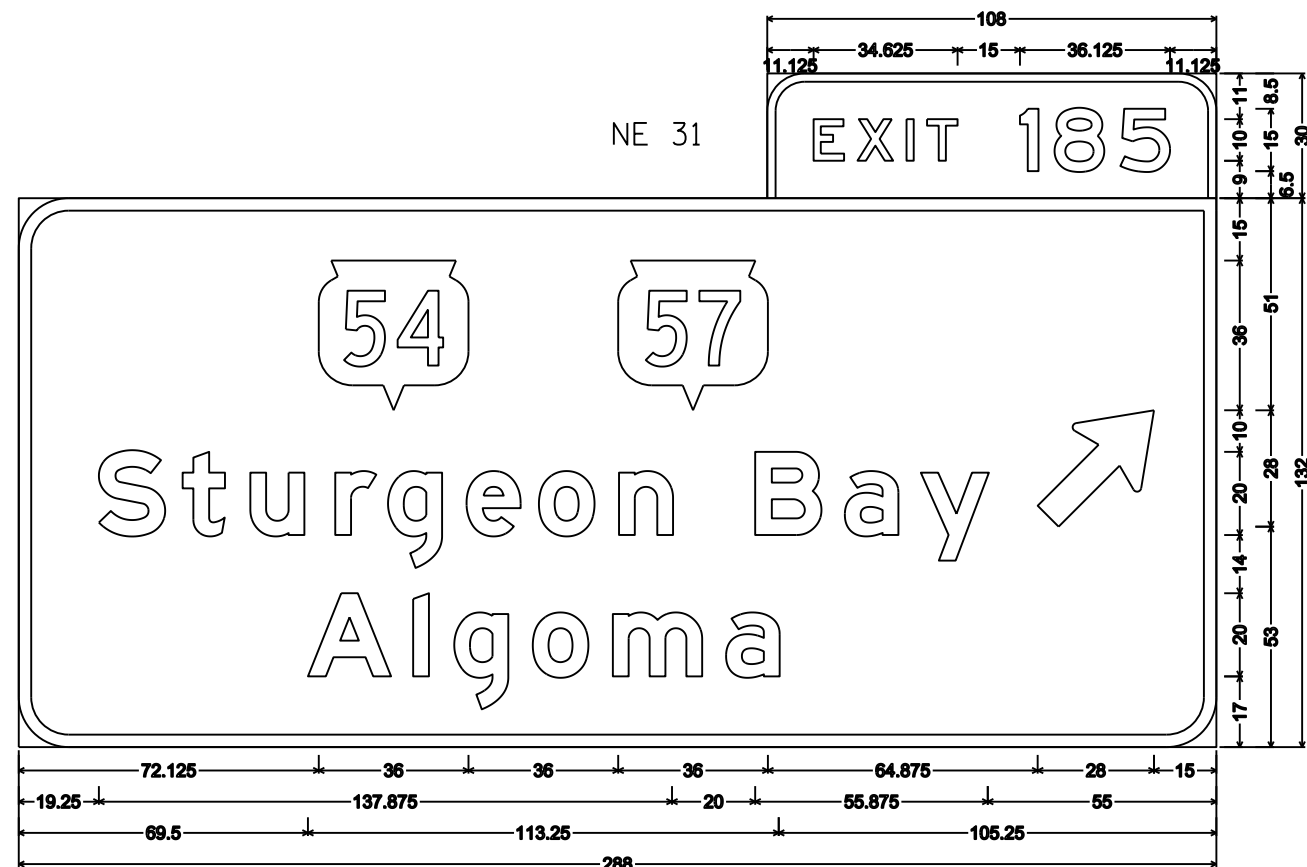
NOTES

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3. Message Series - E Modified except all Cap Words Series E.
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Message - Black





9.000" Radius, 2.000" Border
12.000" Radius, 3.000" Border

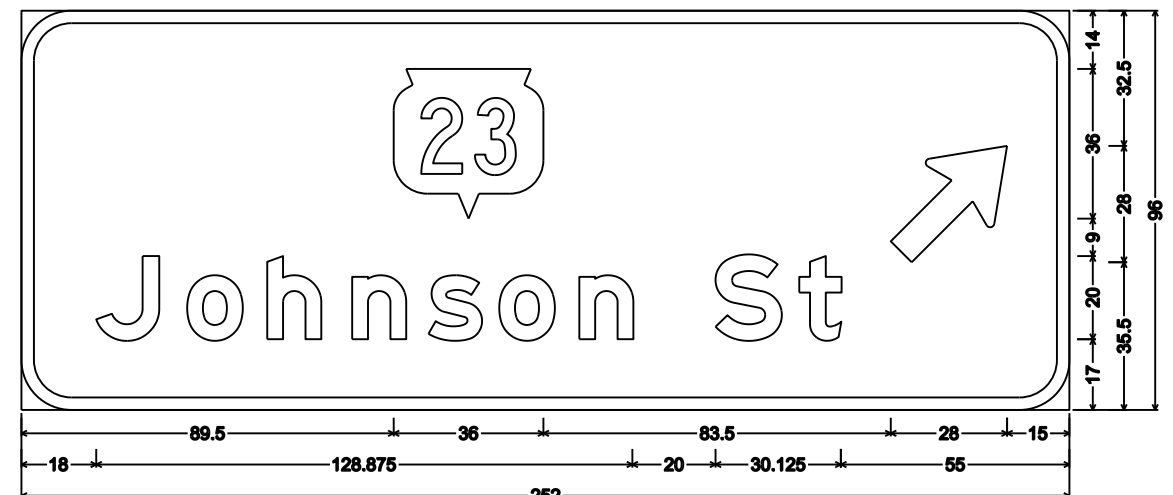


9.000" Radius, 2.000" Border
12.000" Radius, 3.000" Border

NOTES

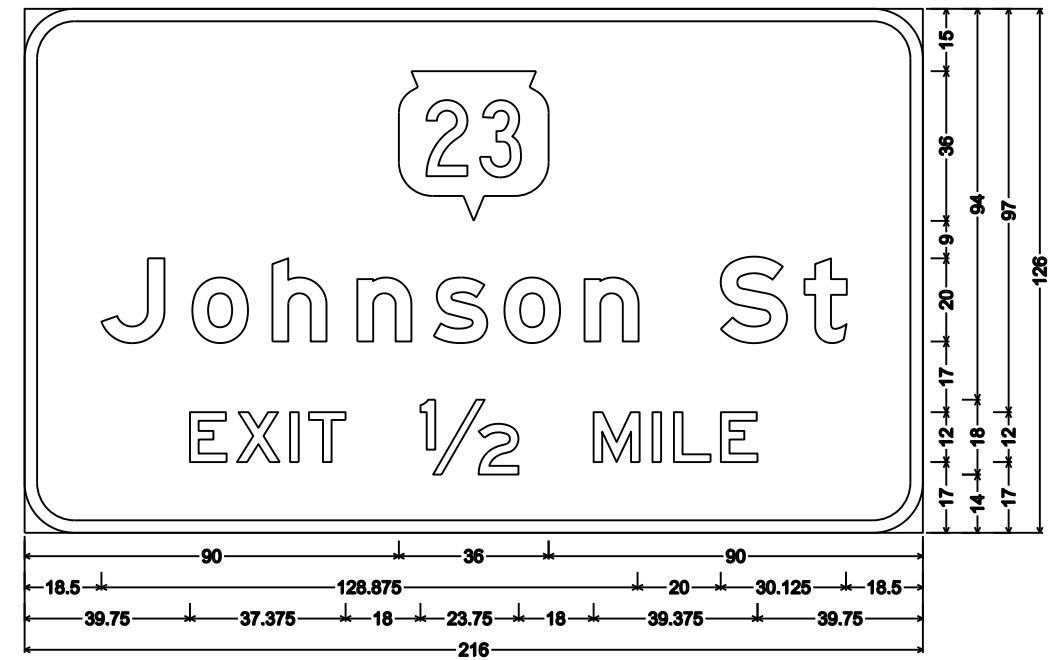
1. Sign is Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all Cap Words Series E.
4. Exit Only Panels Type F Reflective with:
Background - Yellow
Message - Black

NE 30



12.000" Radius, 3.000" Border

NE 29

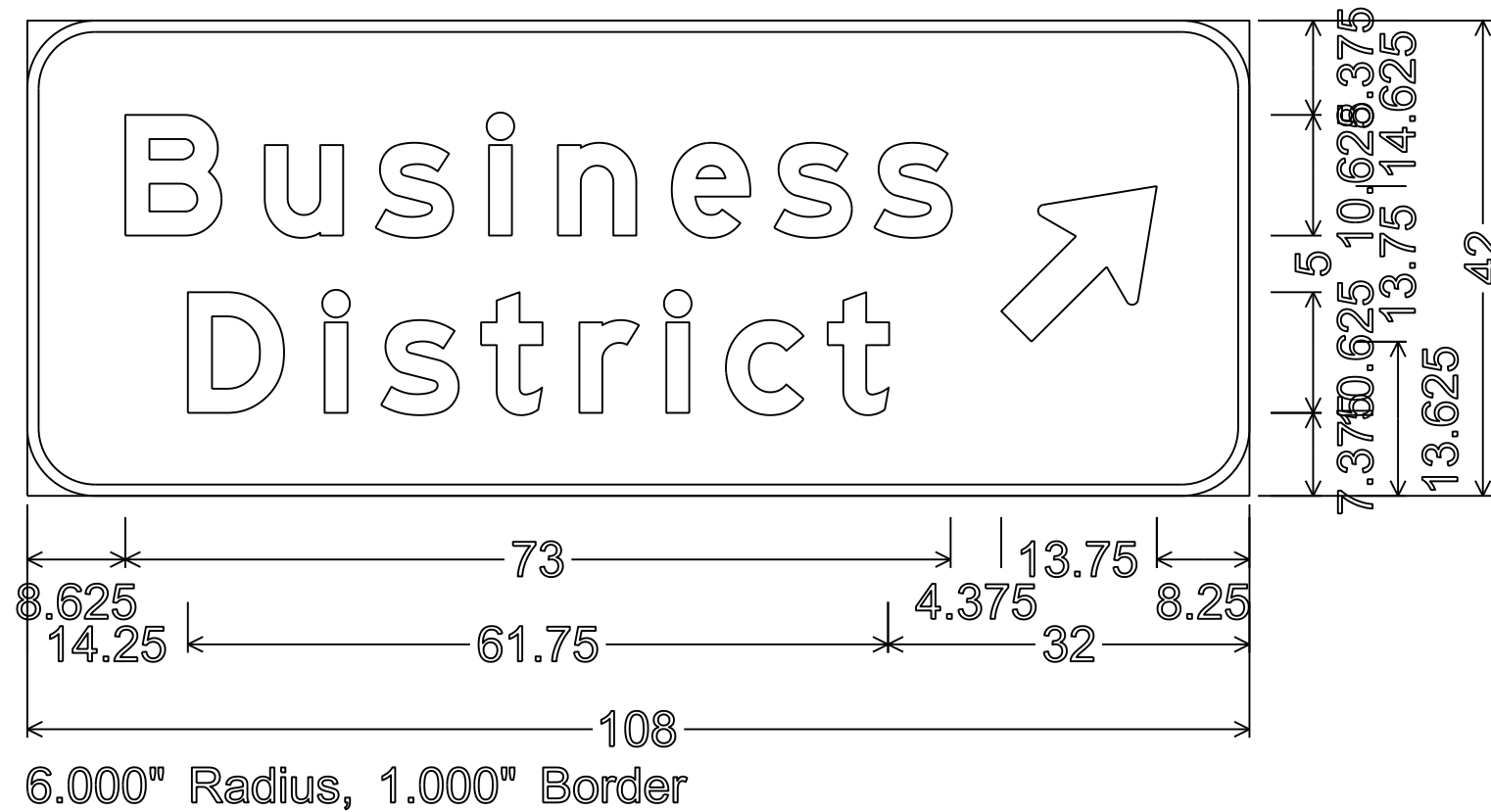


12.000" Radius, 3.000" Border

NOTES

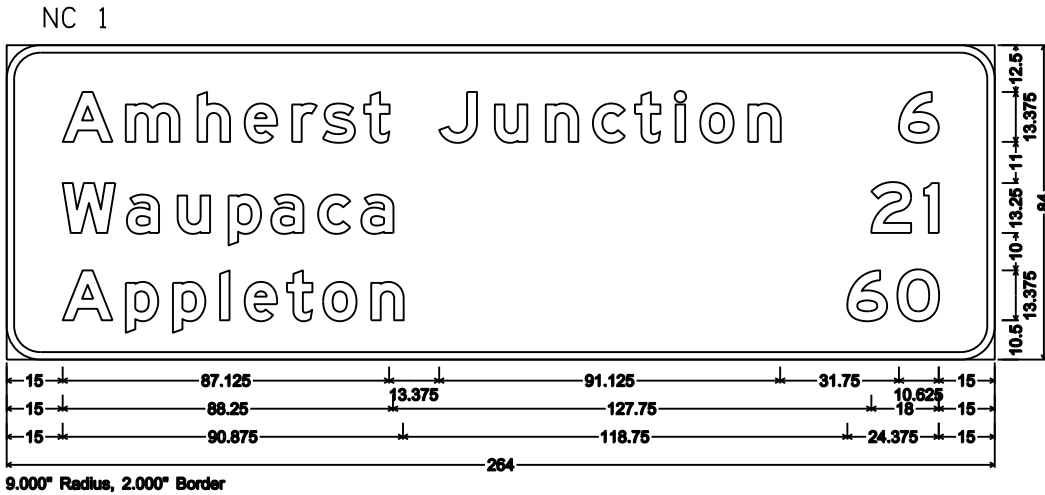
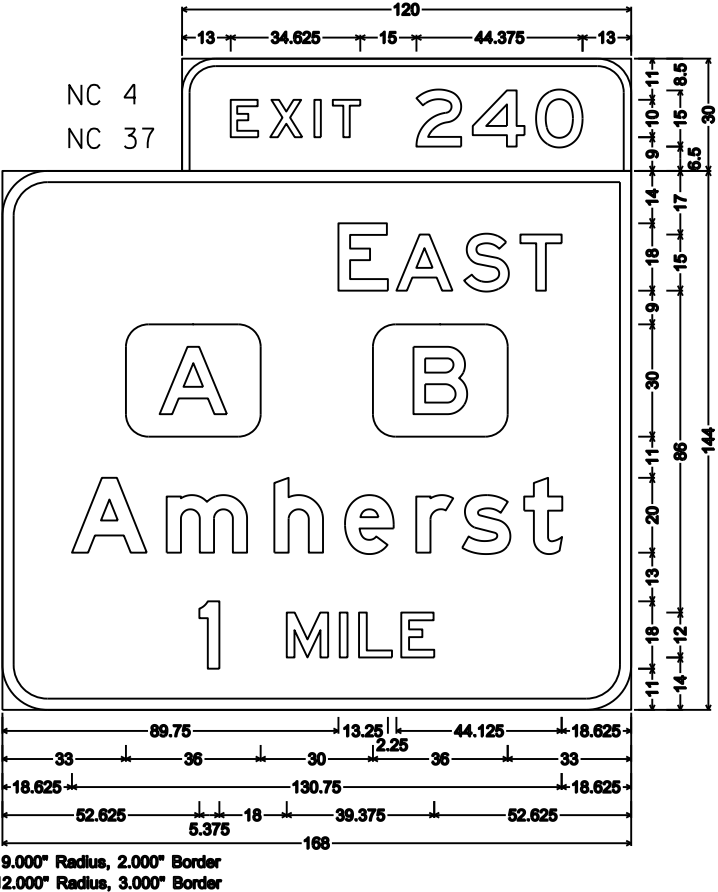
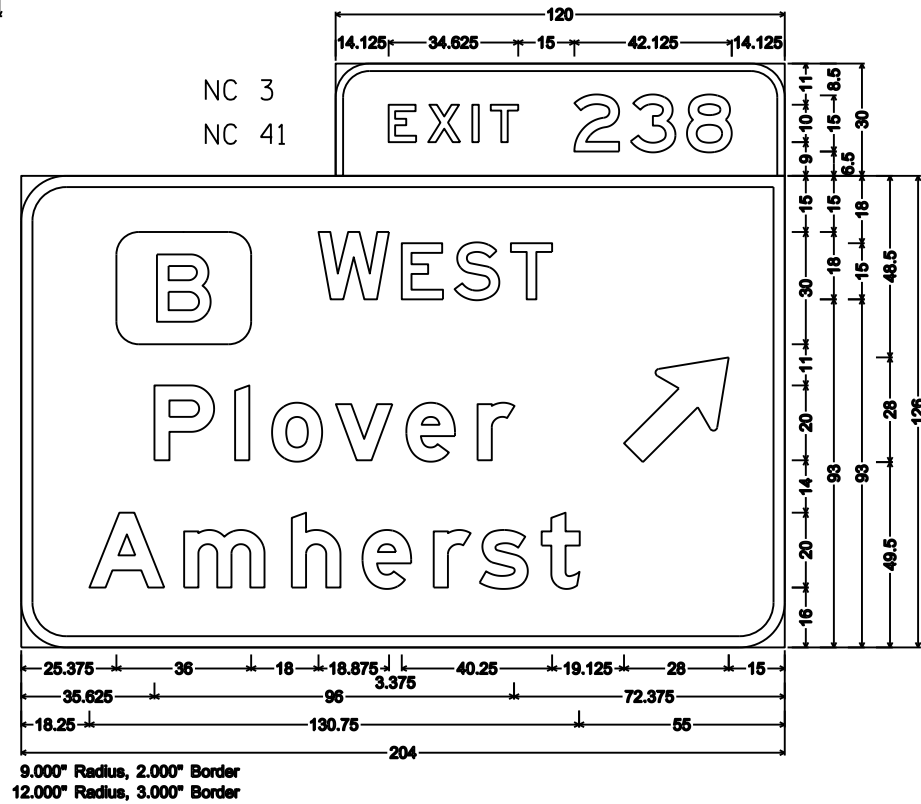
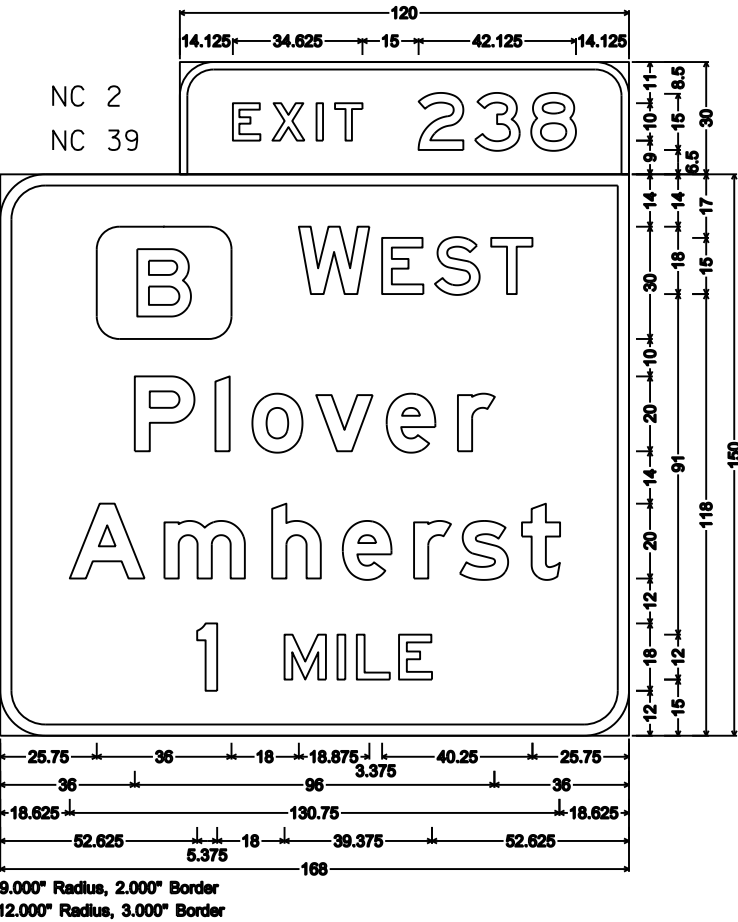
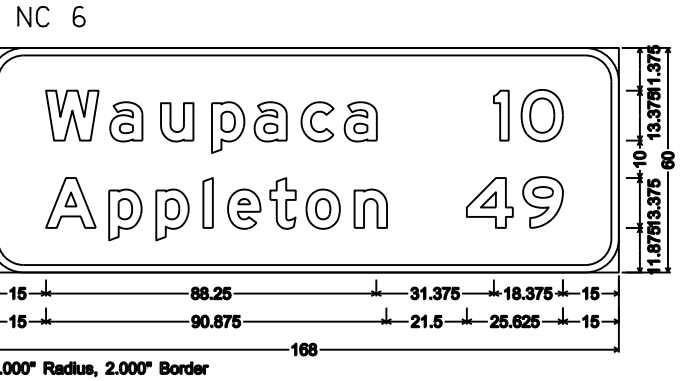
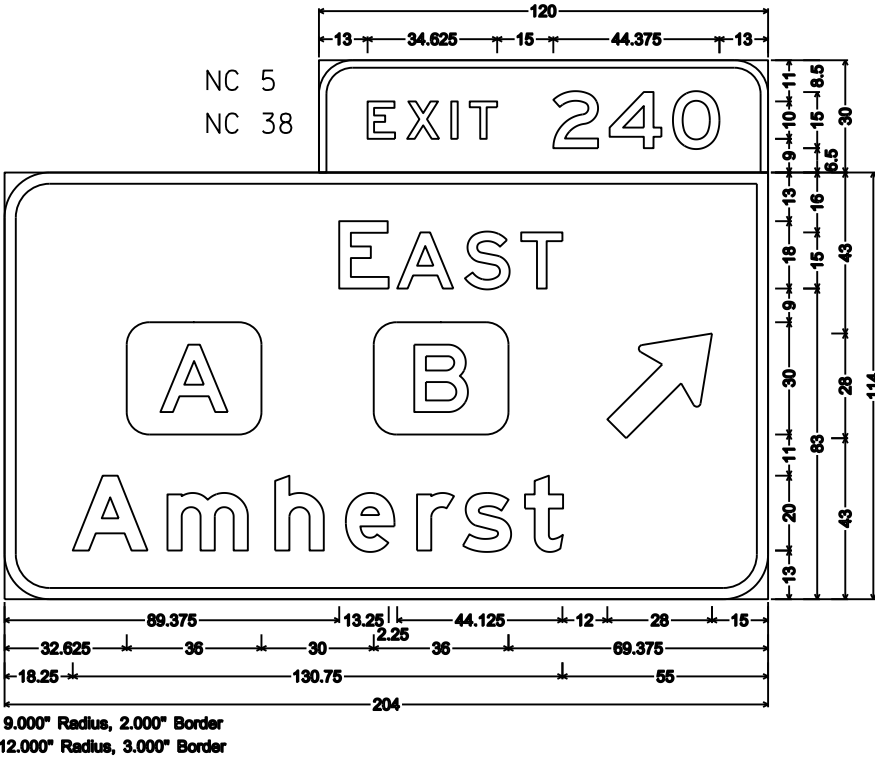
1. Sign is Type II - Type H Reflective
2. Color:
 - Background - Green
 - Message - White
3. Message Series - E Modified

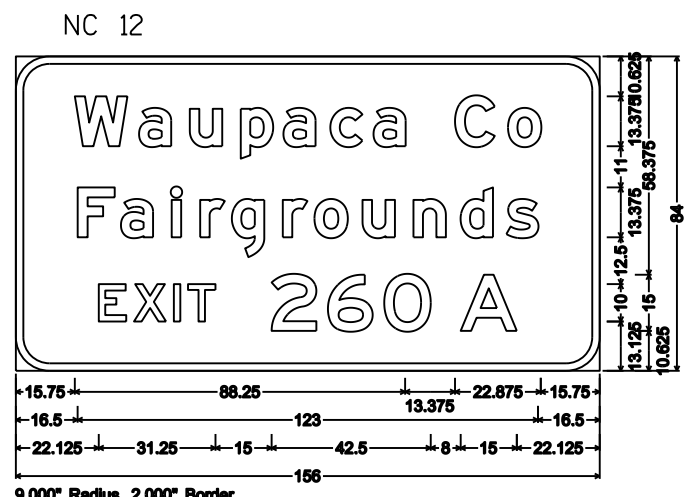
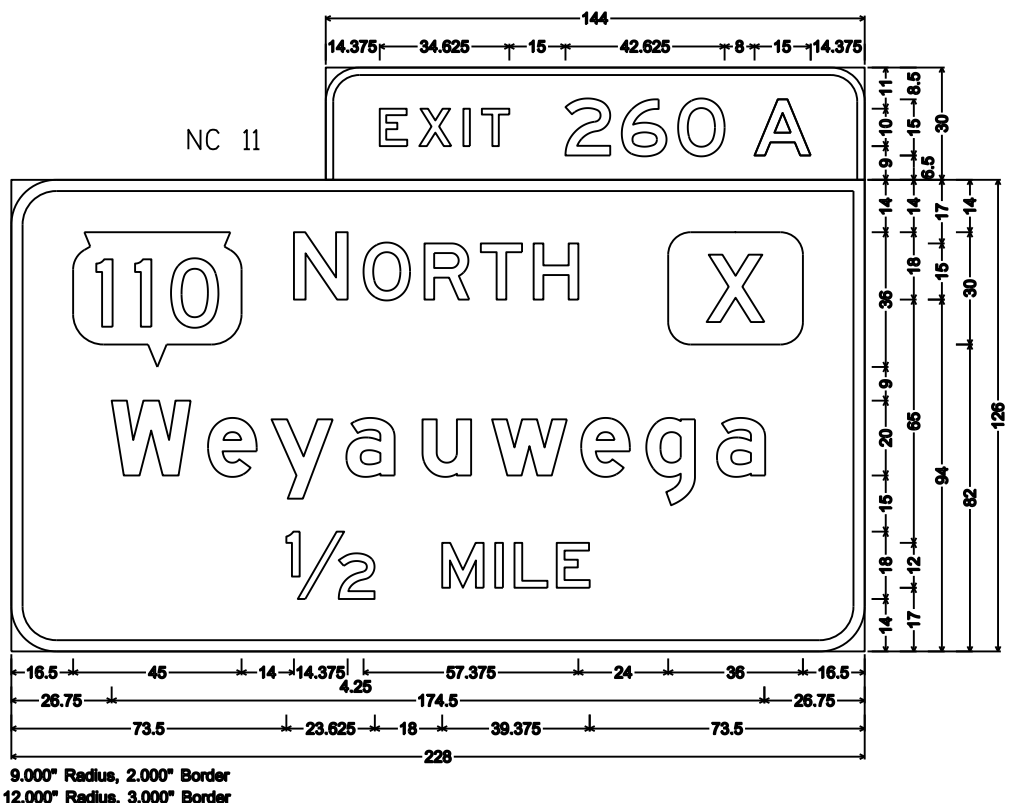
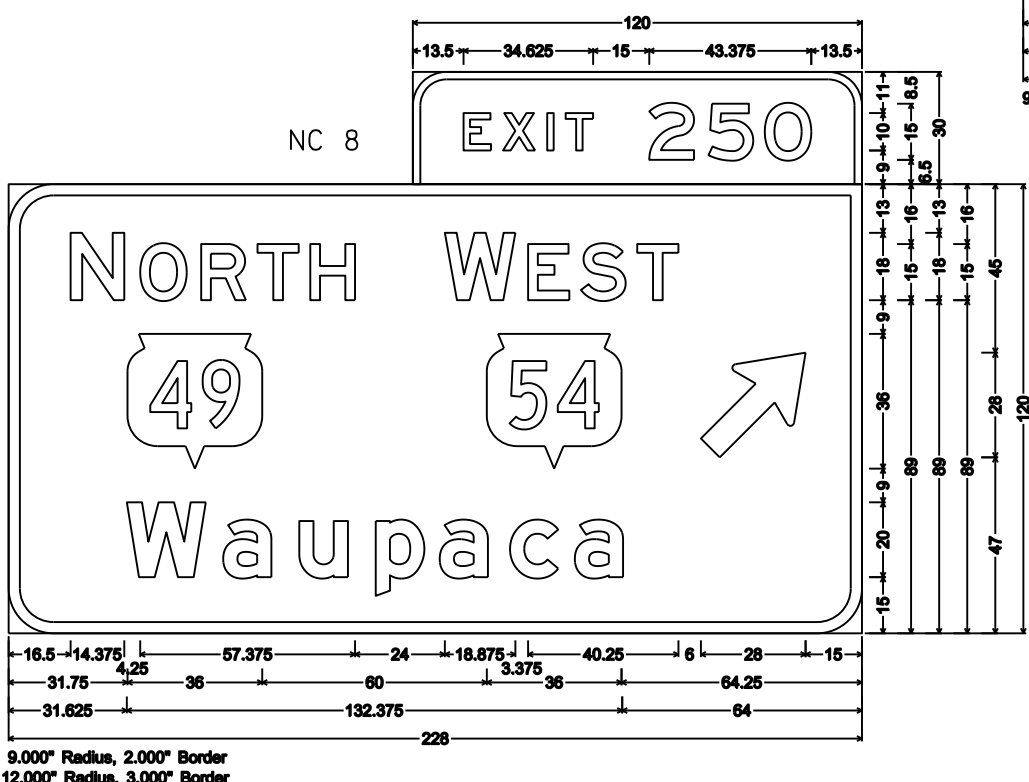
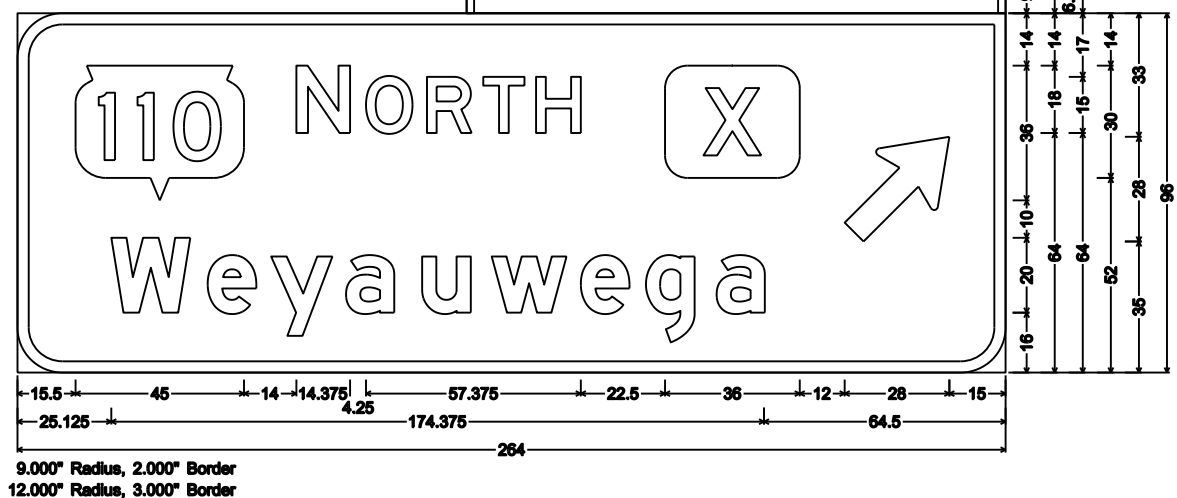
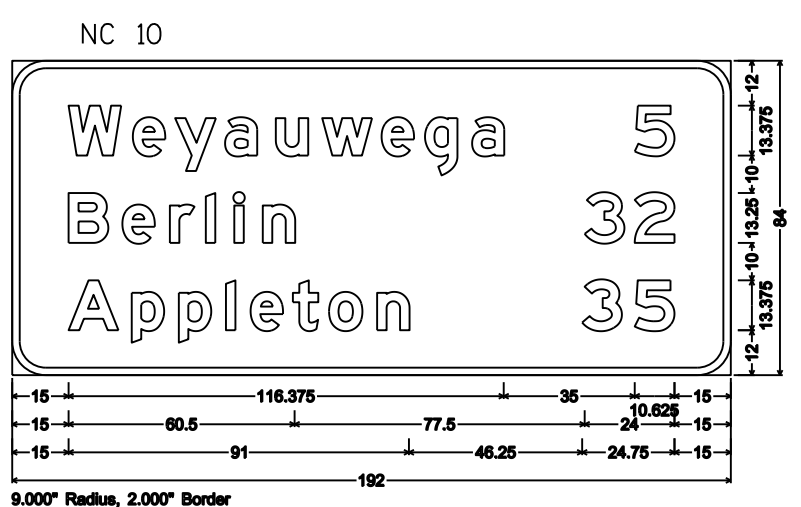
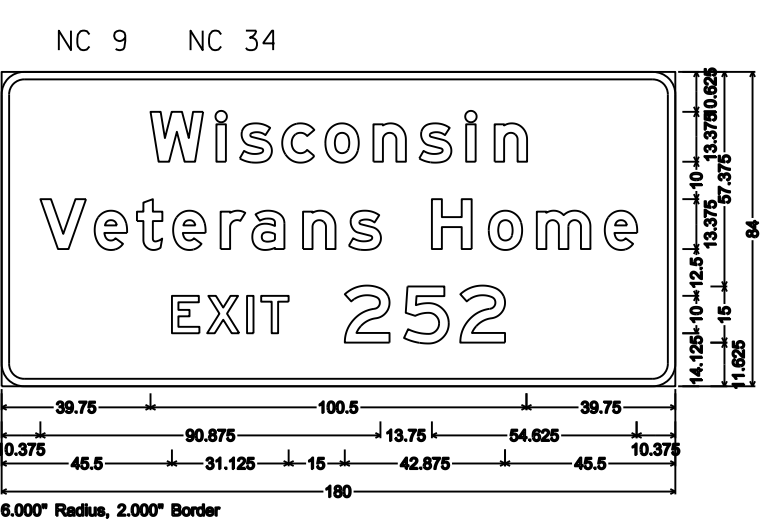
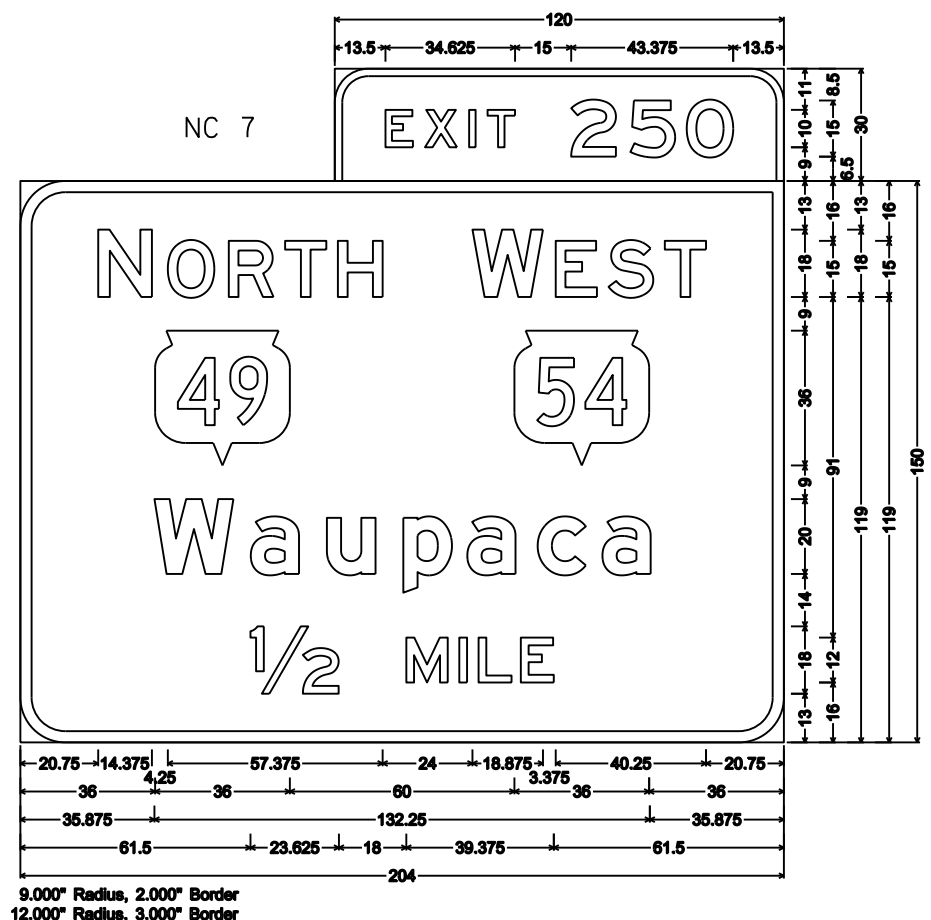
NE 28



NOTES

- 1. Sign is Type I - Type SH Reflective
- 2. Color:
Background - Green except as noted
Message - White
- 3. Message Series - E Modified except all Cap Words Series E.
- 4. Exit Only Panels Type F Reflective with:
Background - Yellow
Message - Black

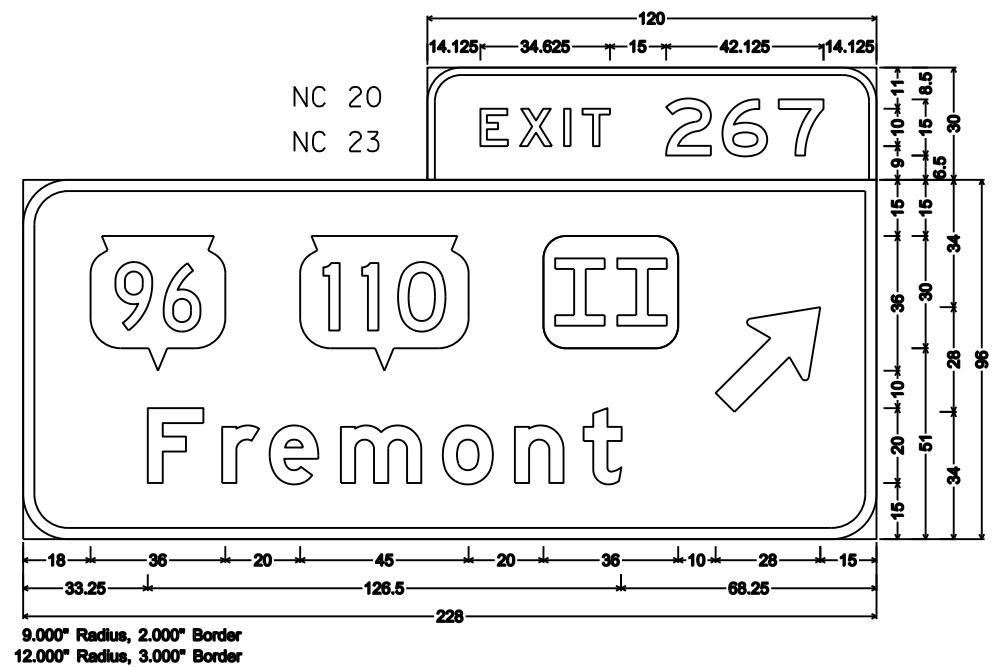
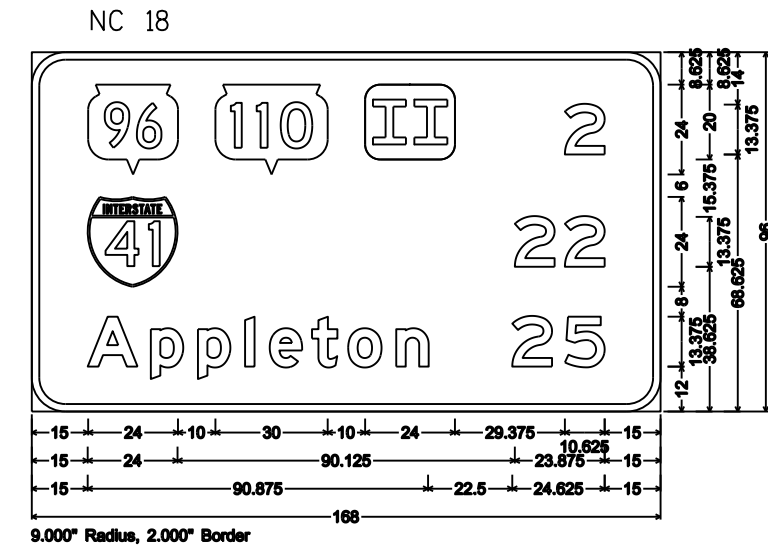
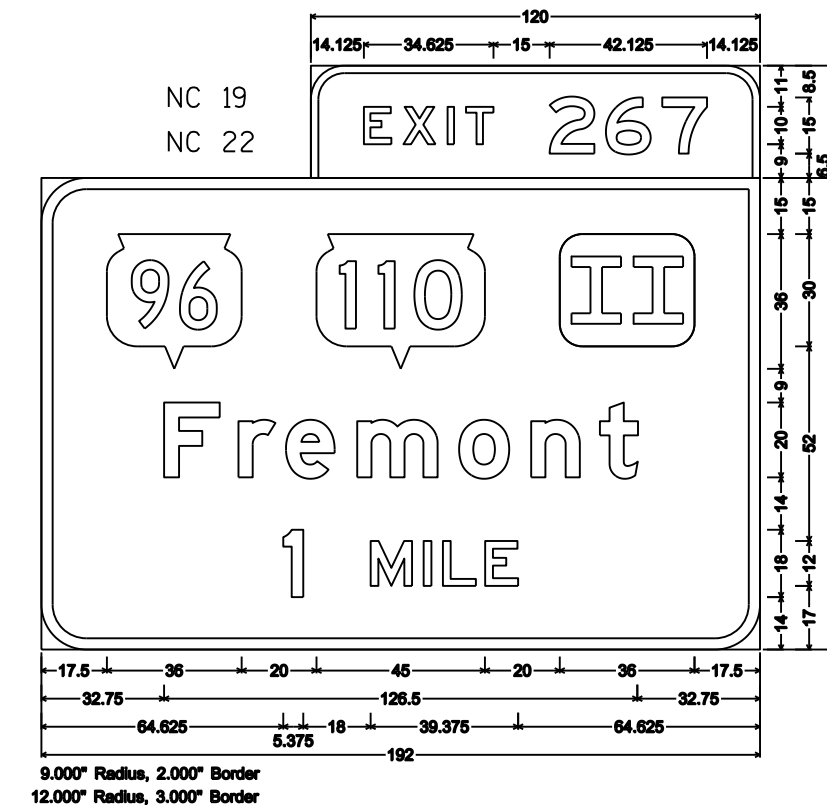
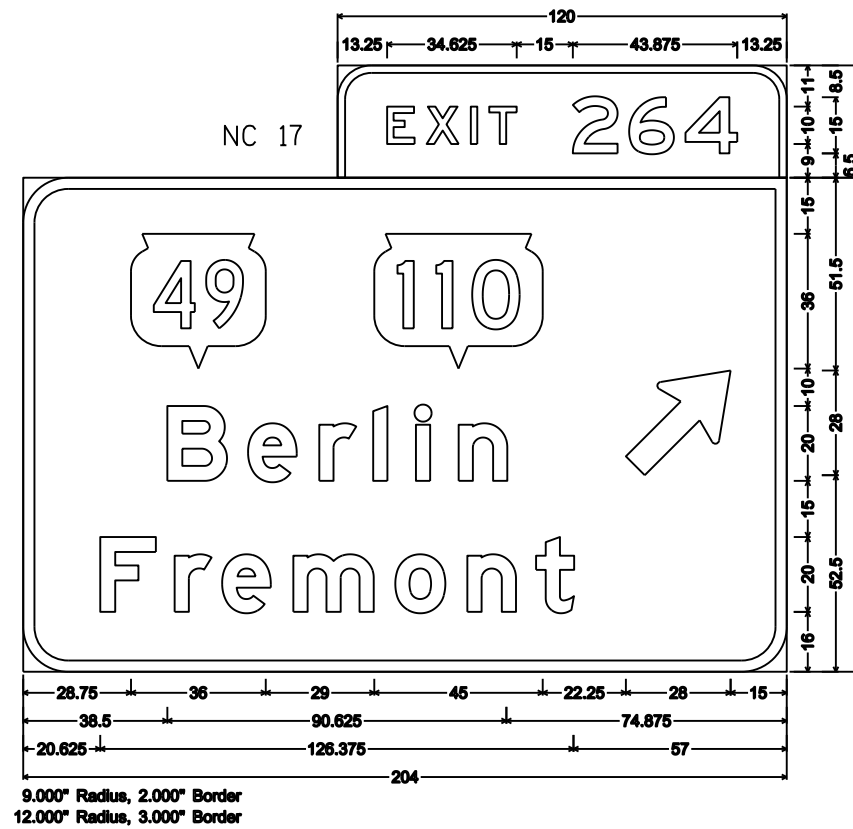
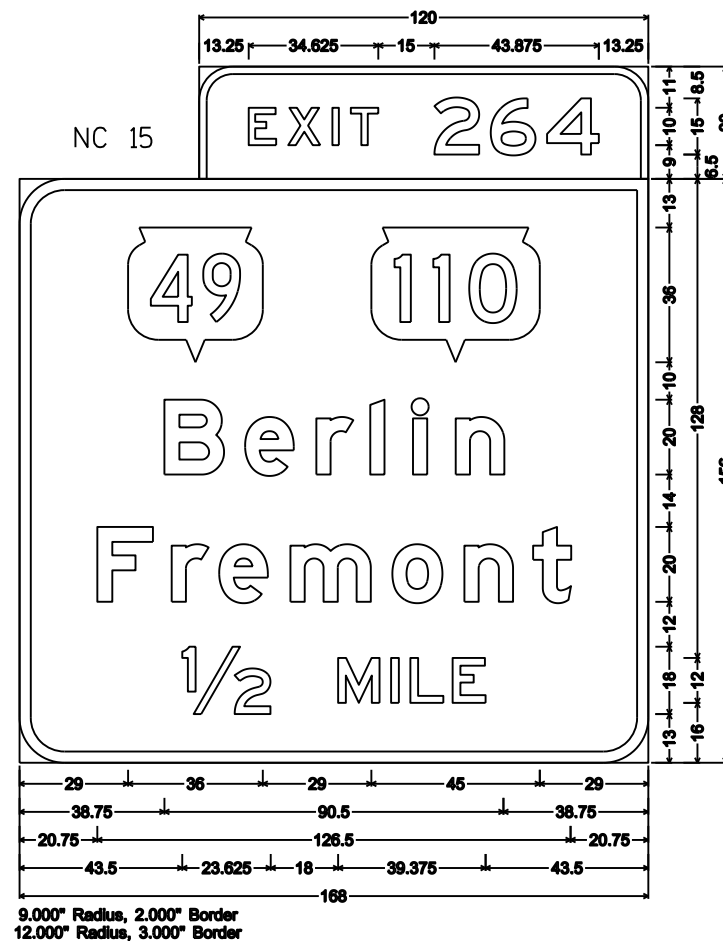
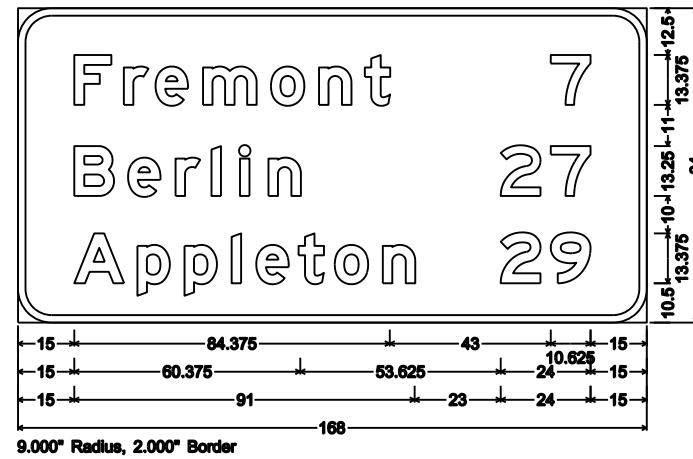




NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all Cap Words Series E.
4. Exit Only Panels Type F Reflective with:
Background - Yellow
Message - Black

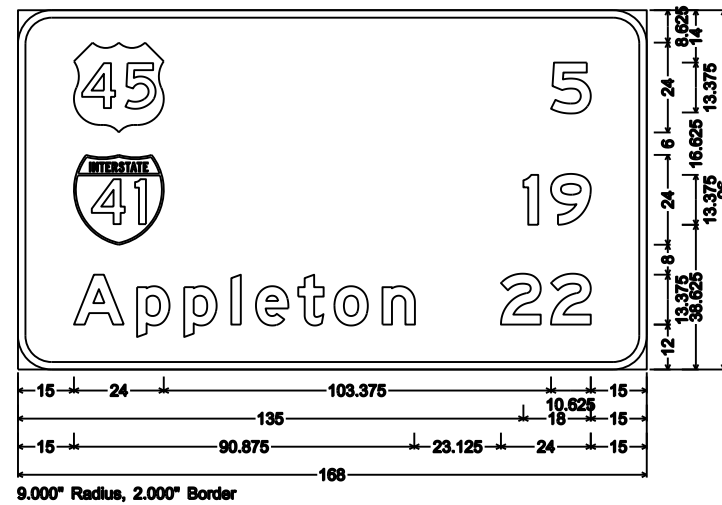
7



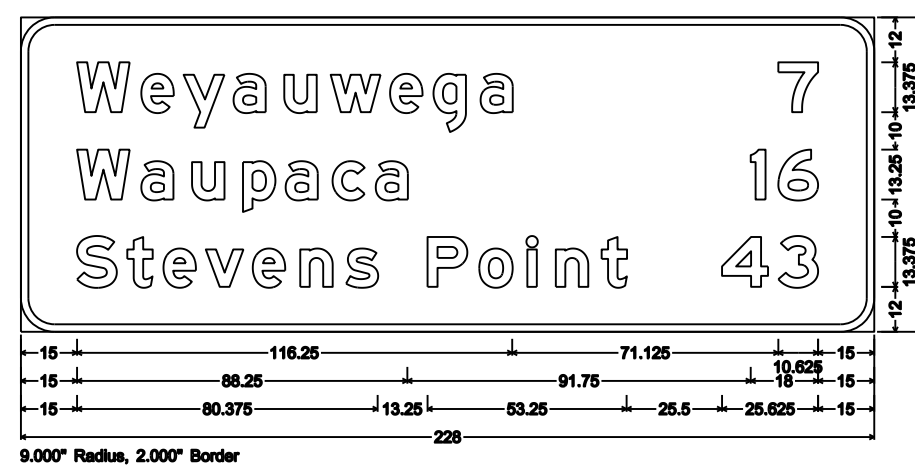
NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
 - Background - Green except as noted
 - Message - White
3. Message Series - E Modified except all Cap Words Series E.
4. Exit Only Panels Type F Reflective with:
 - Background - Yellow
 - Message - Black

NC 21



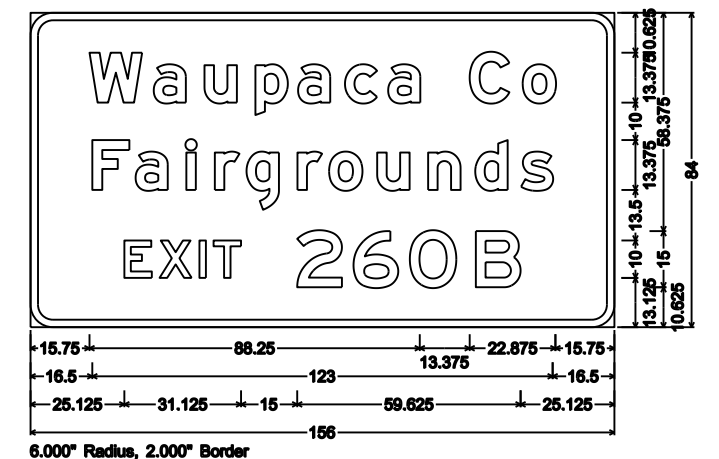
NC 24



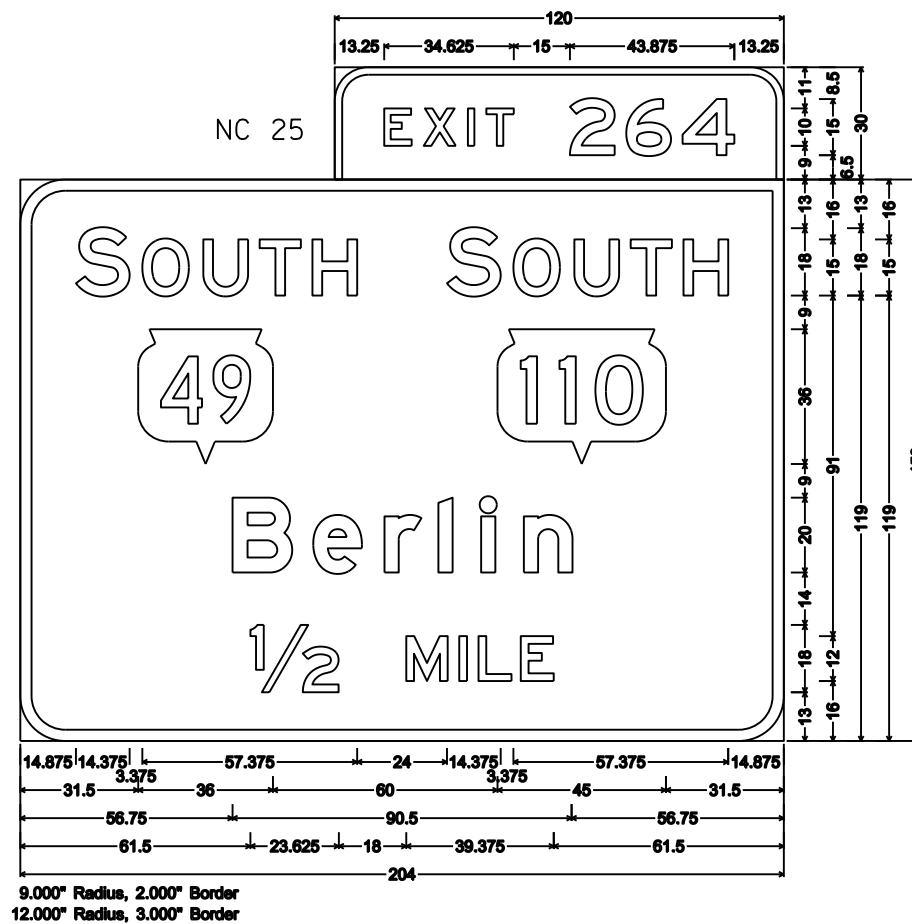
NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all Cap Words Series E.
4. Exit Only Panels Type F Reflective with:
Background - Yellow
Message - Black

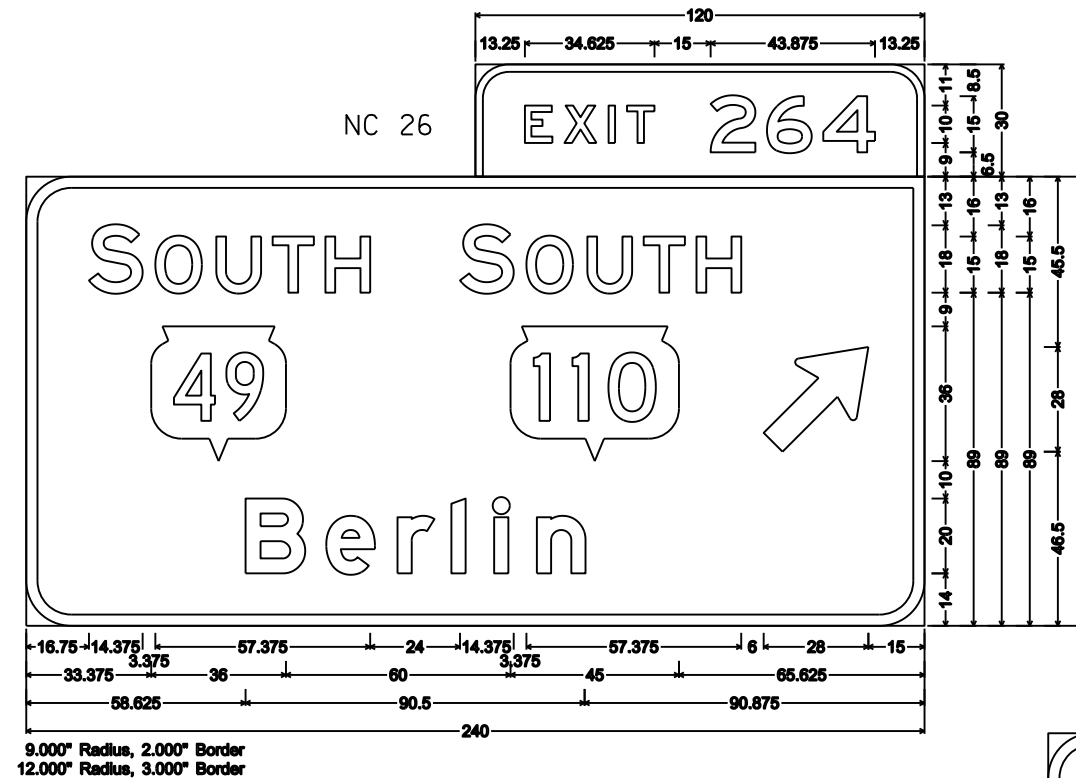
NC 29



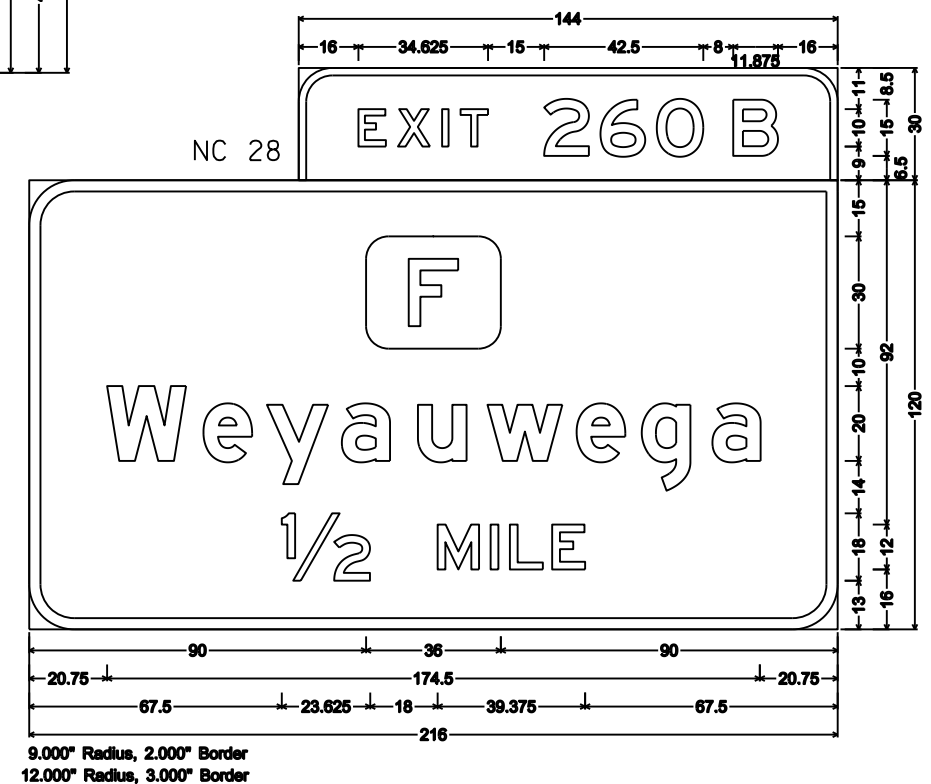
NC 25



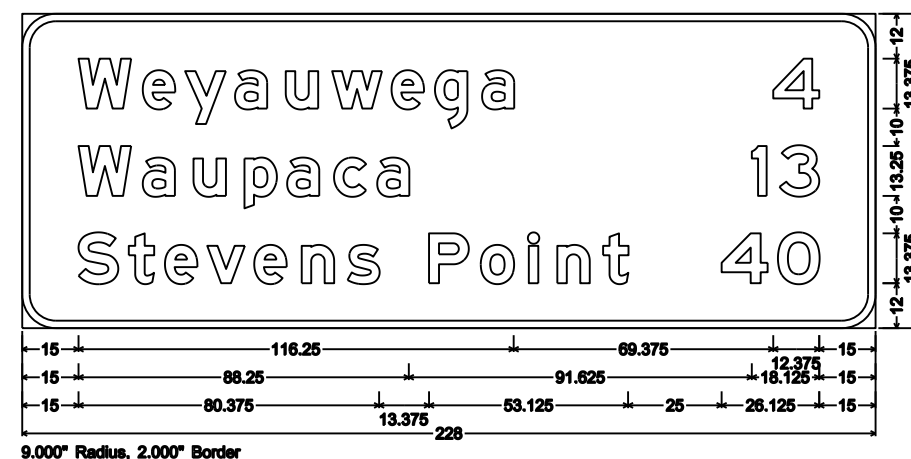
NC 26



NC 28

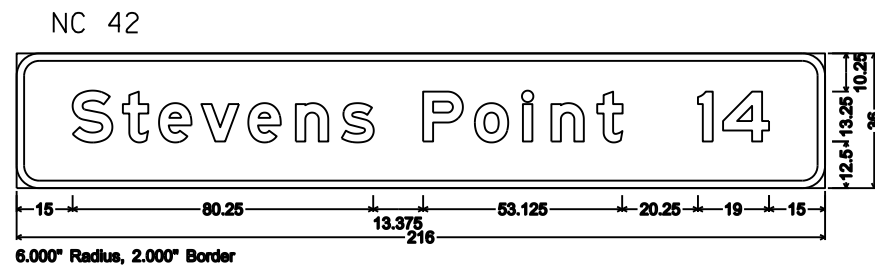
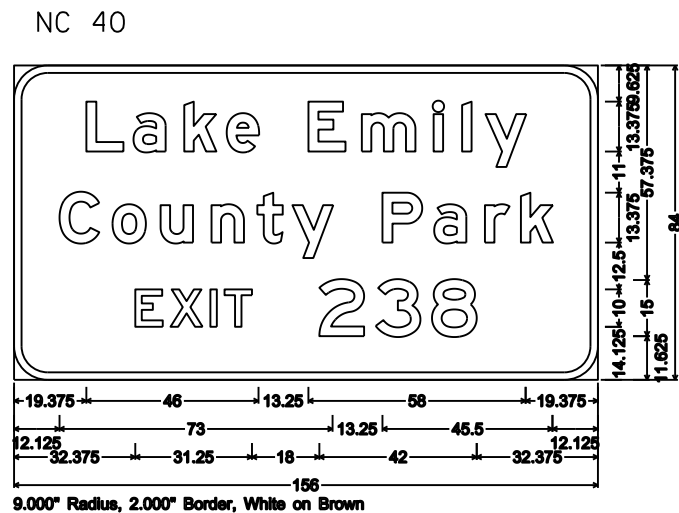
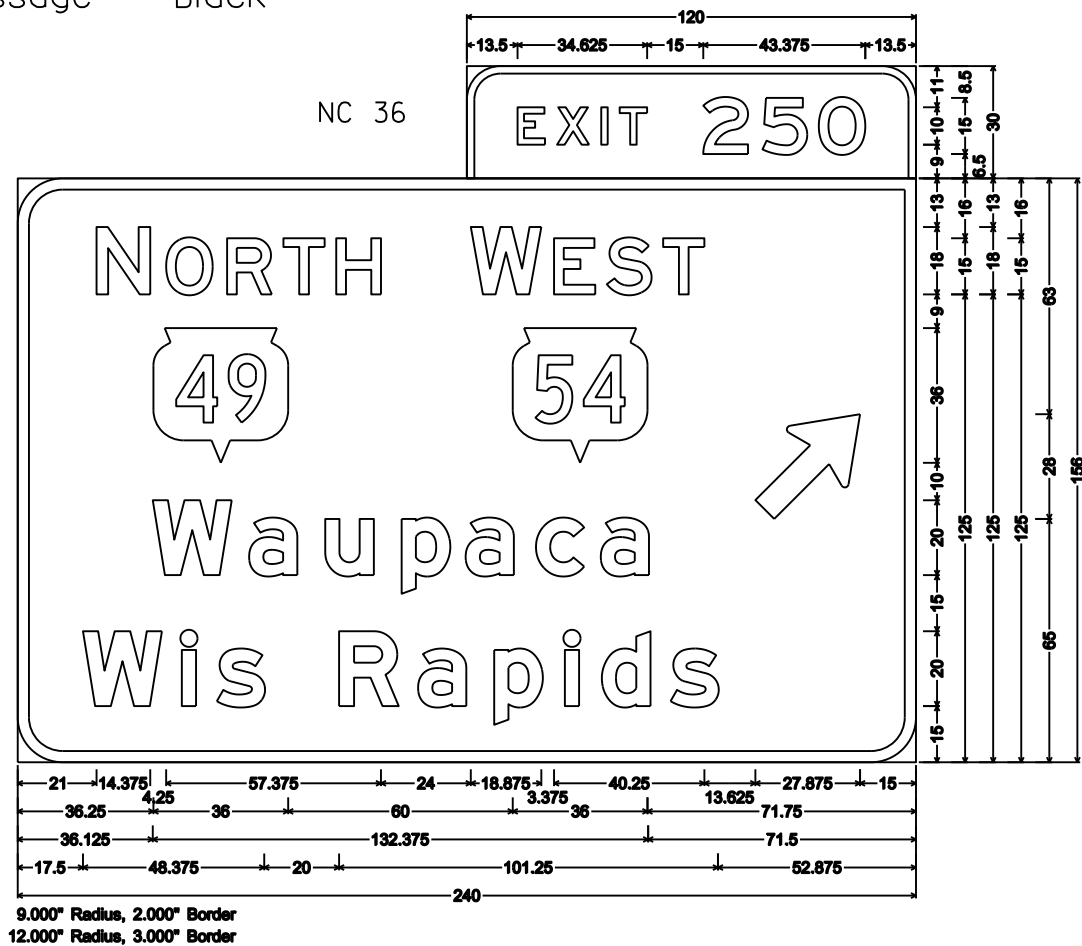
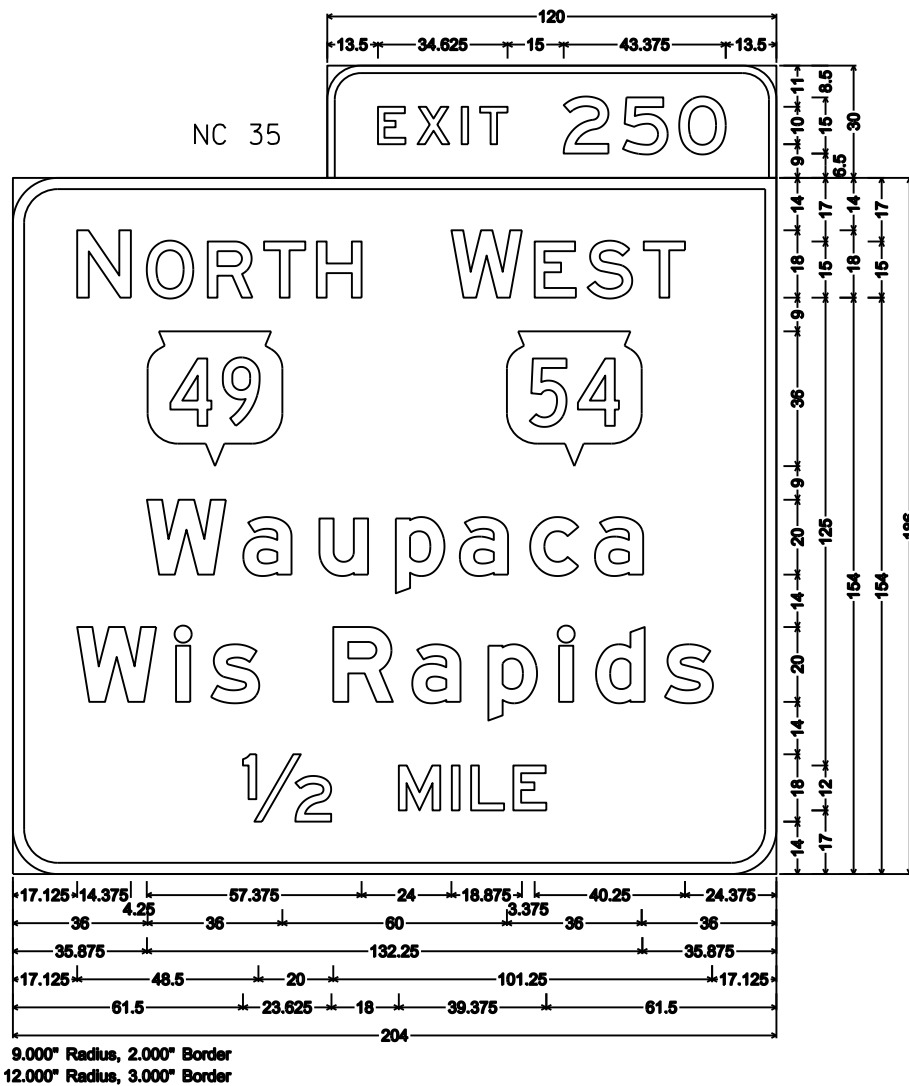
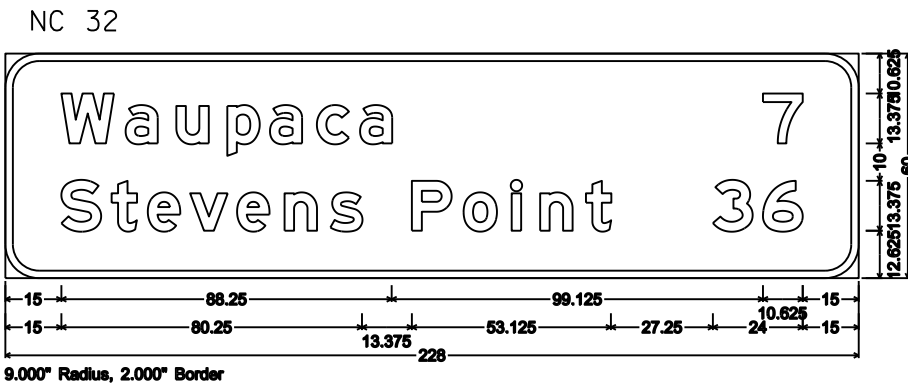
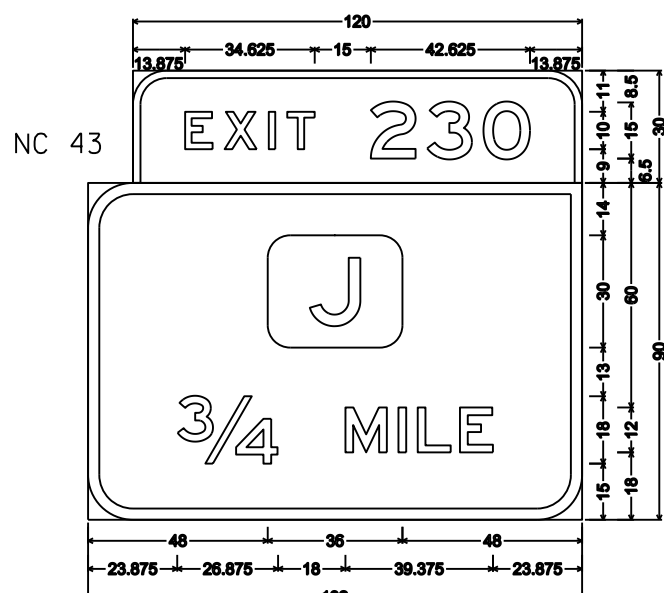
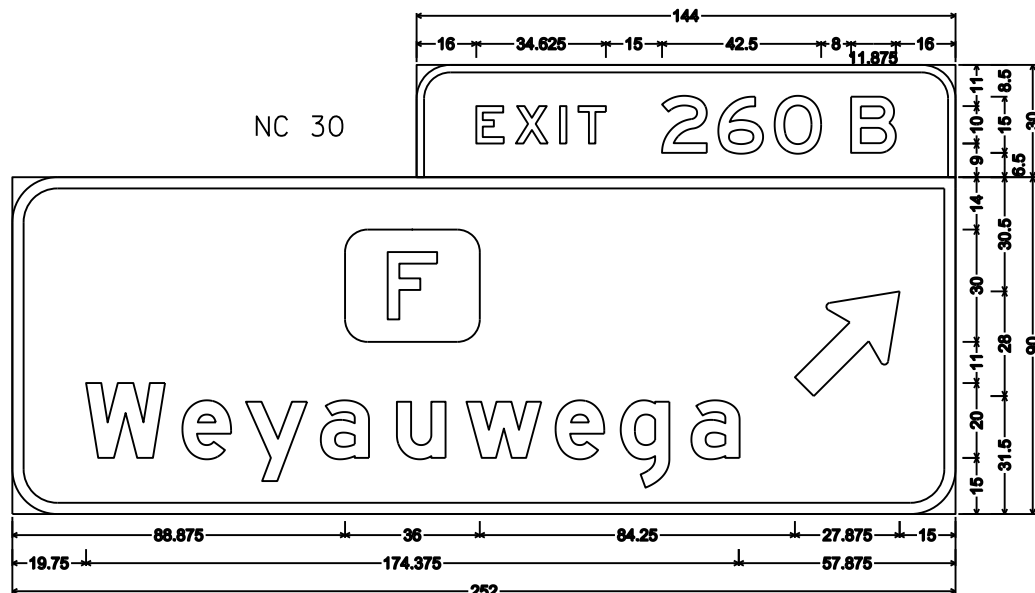


NC 27

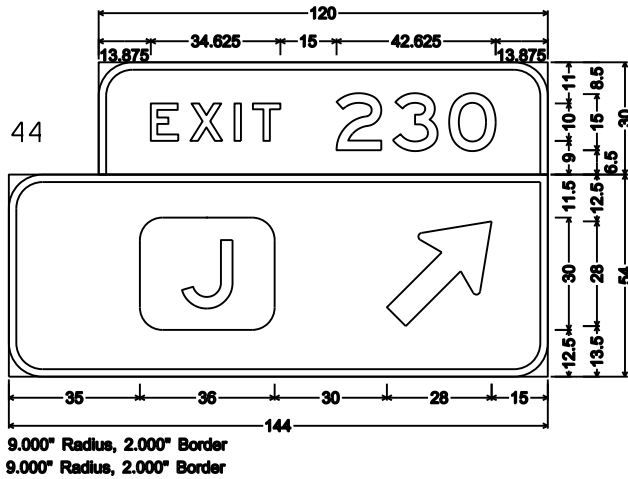


NOTES

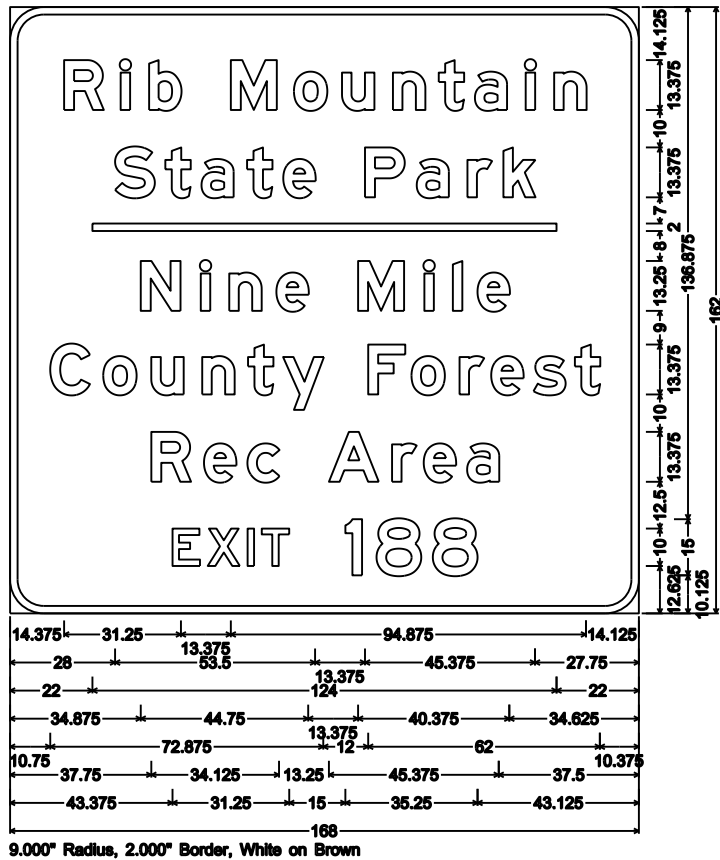
1. Sign is Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all Cap Words Series E.
4. Exit Only Panels Type F Reflective with:
Background - Yellow
Message - Black



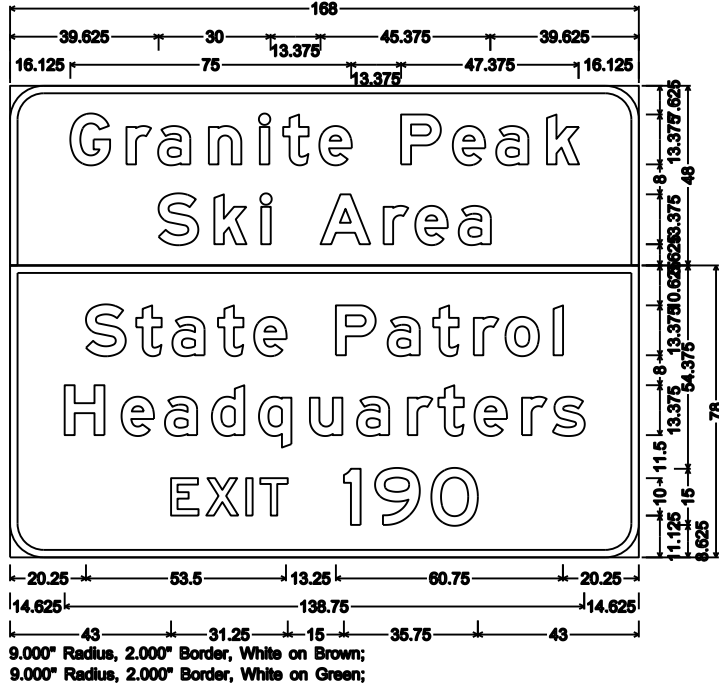
NC 44



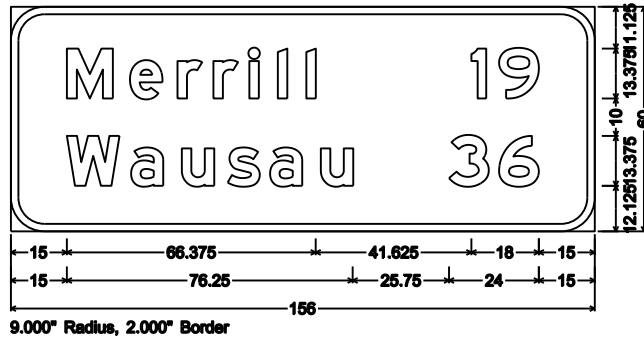
NC 45



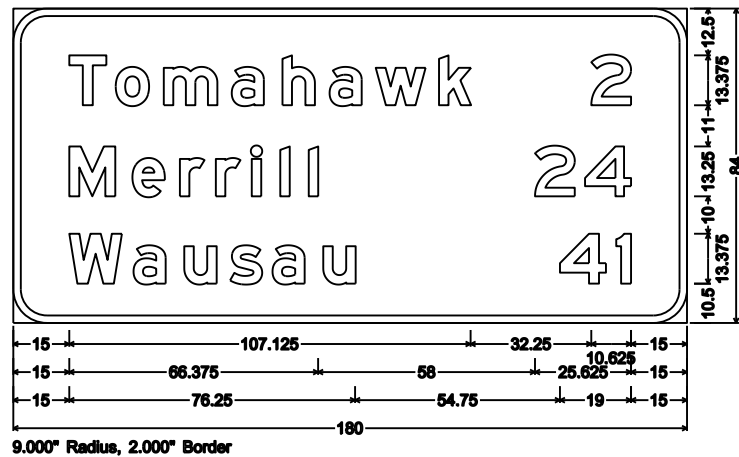
NC 46



NC 78



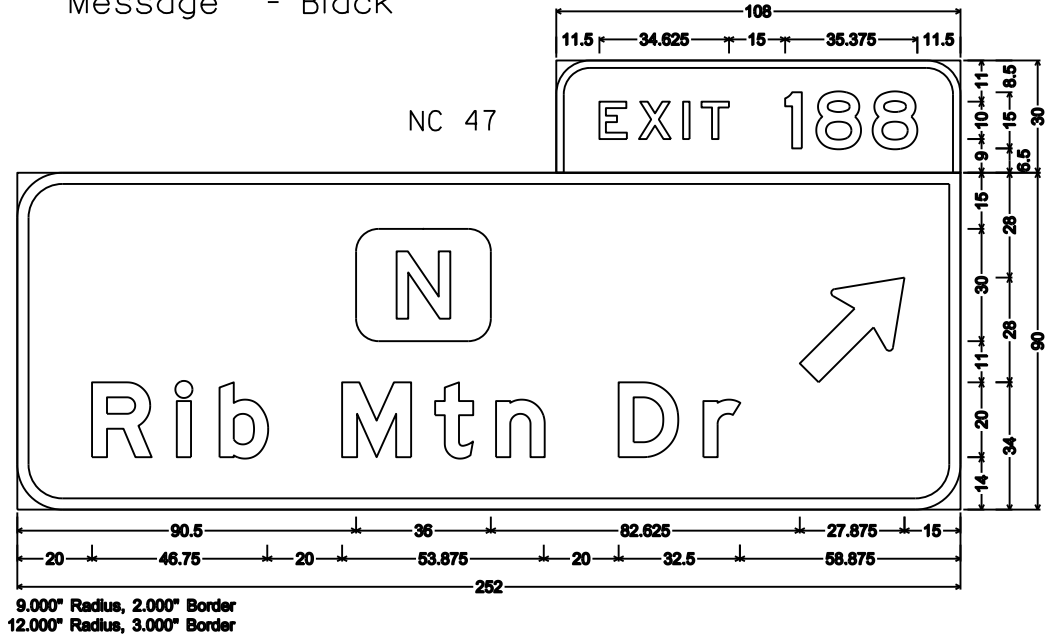
NC 72



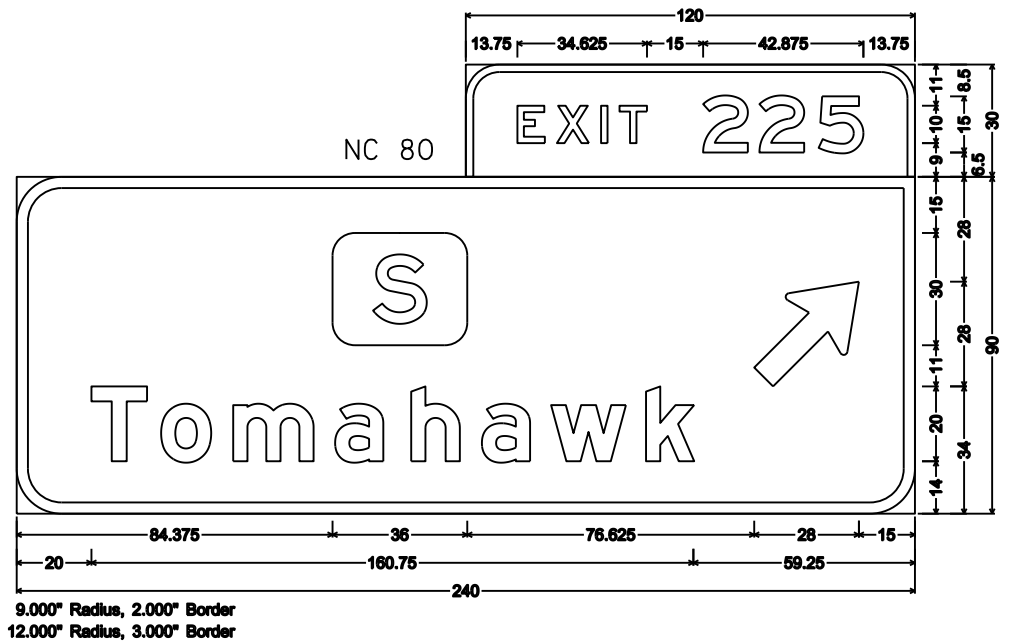
NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all Cap Words Series E.
4. Exit Only Panels Type F Reflective with:
Background - Yellow
Message - Black

NC 47

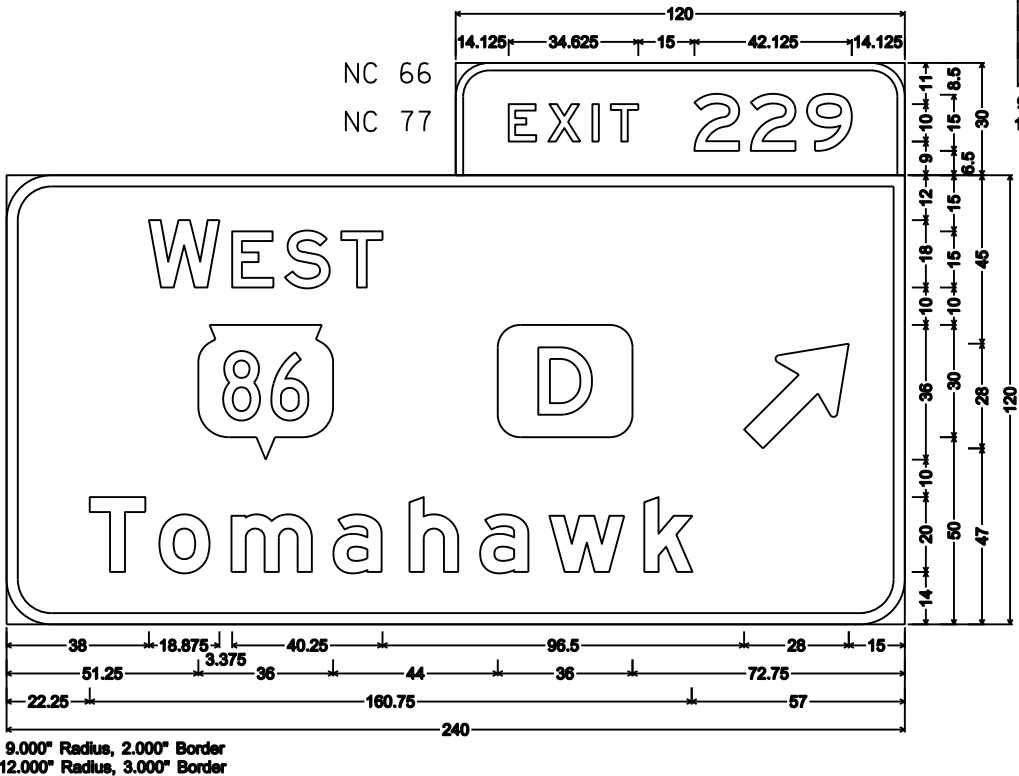
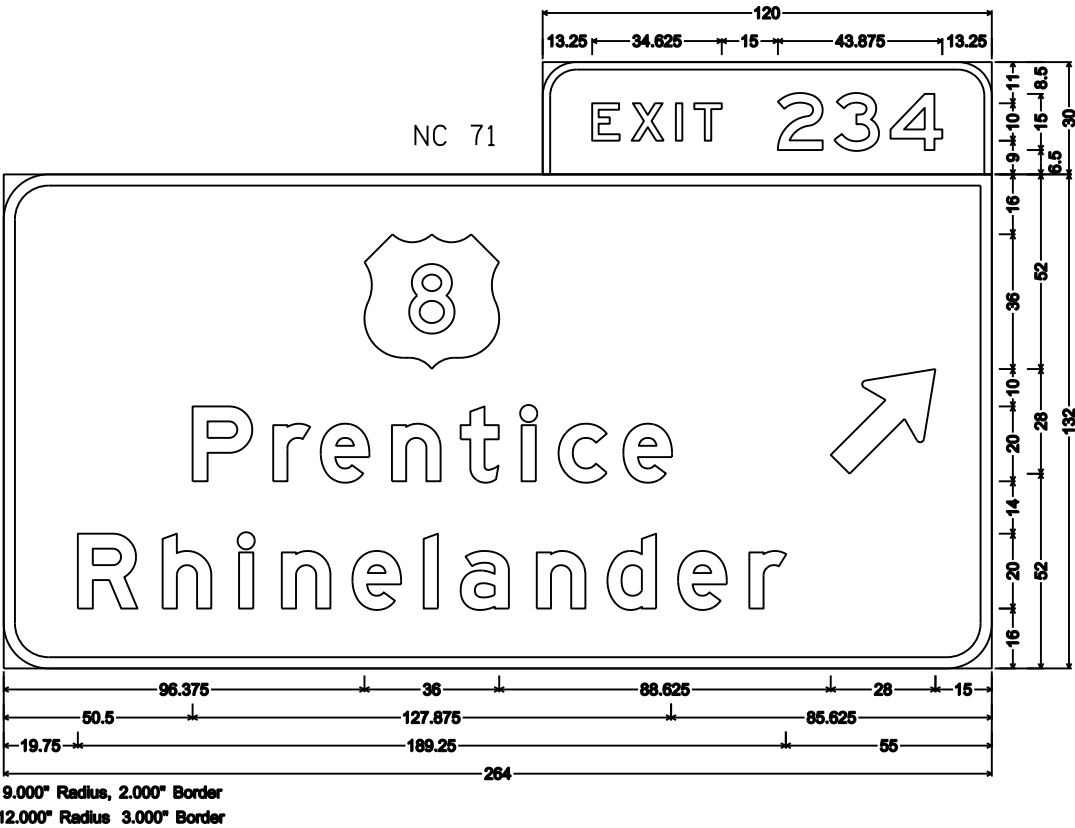
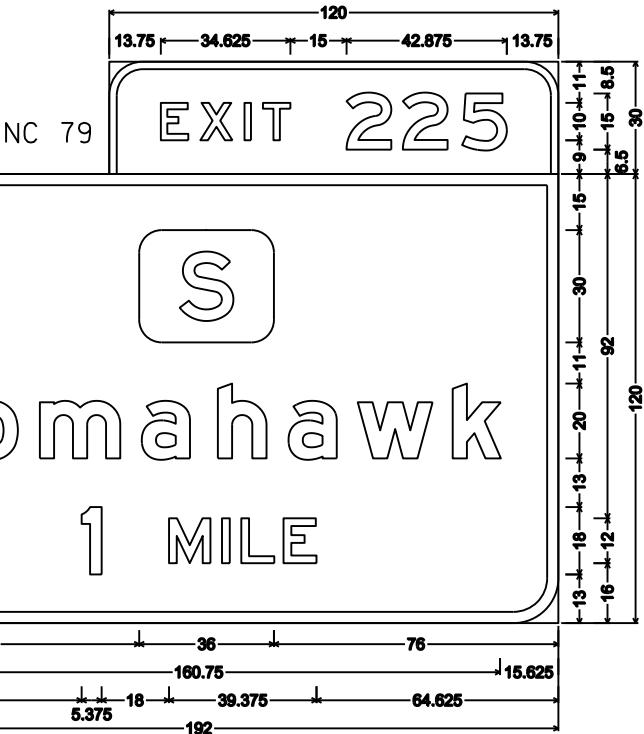
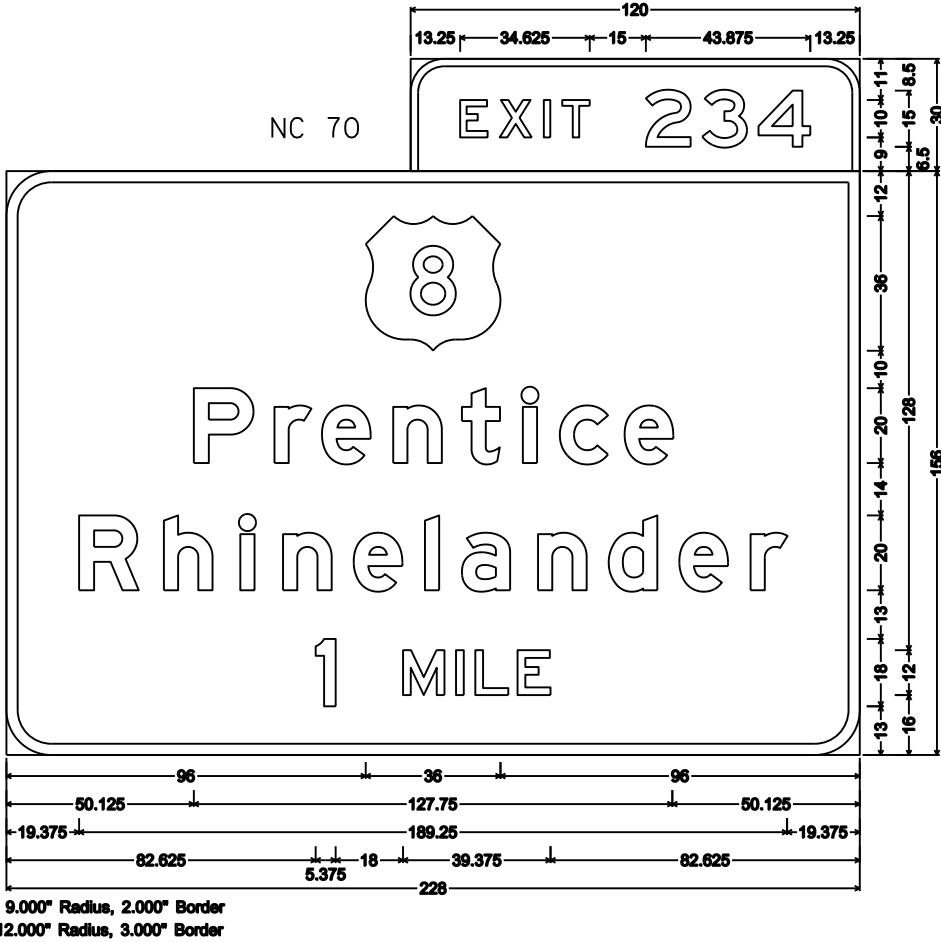


NC 80

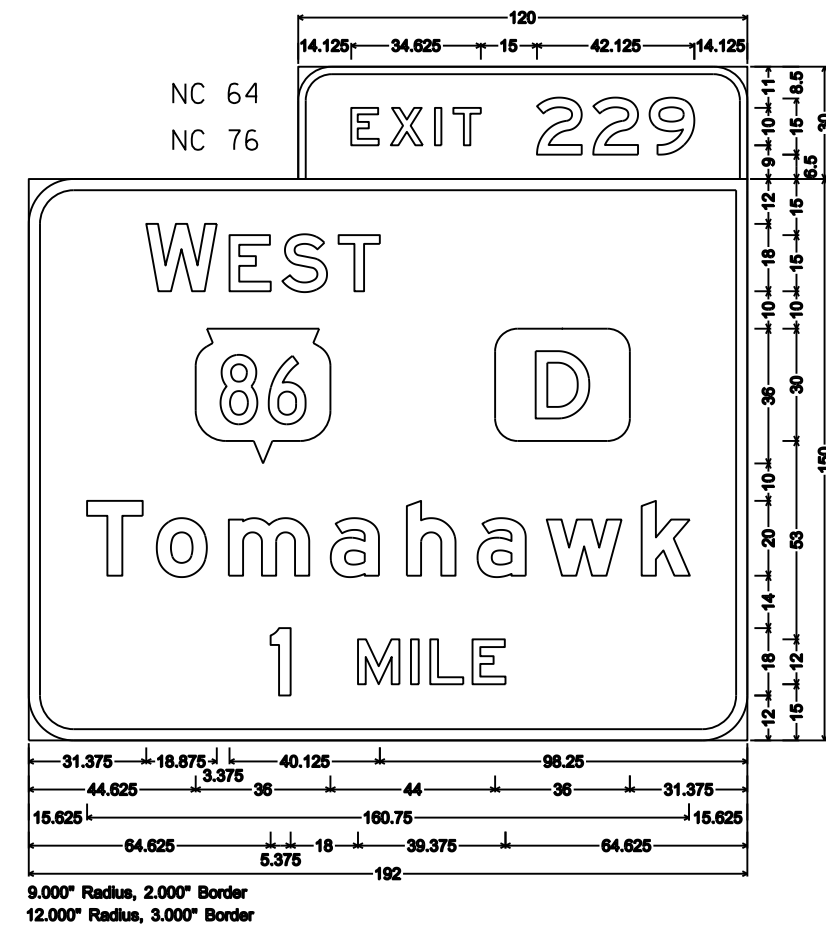
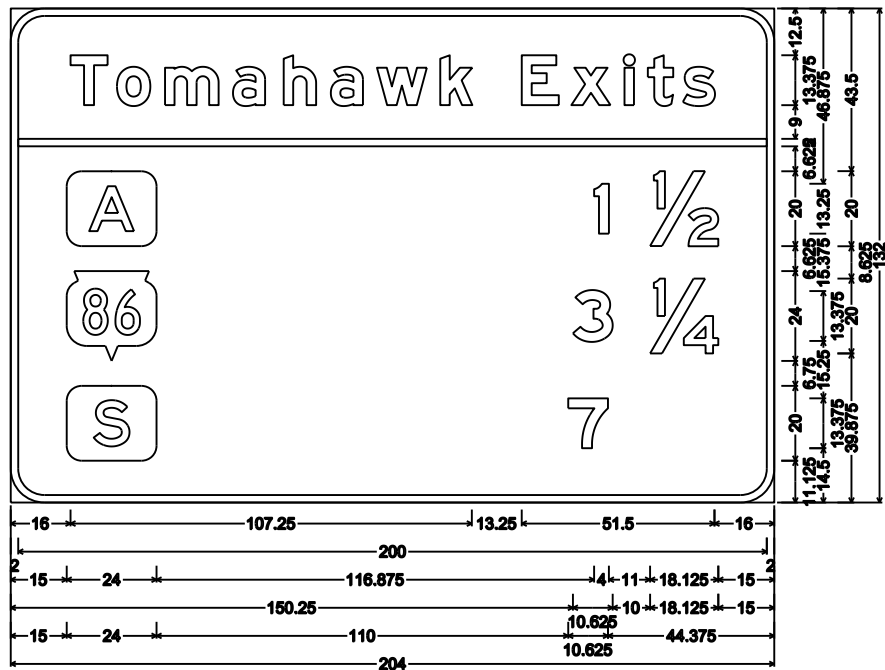


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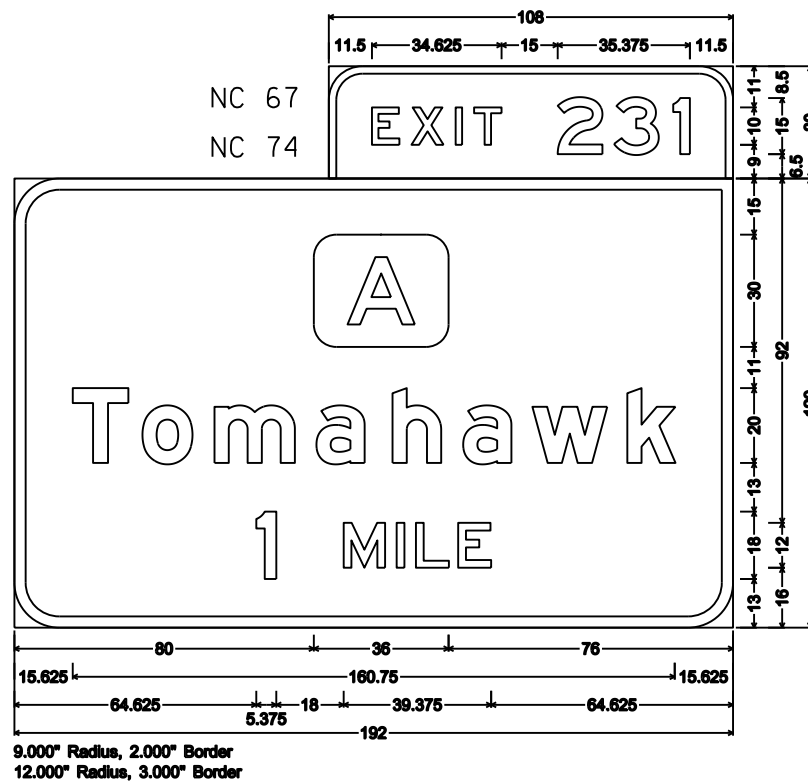
- 1. Sign is Type I - Type SH Reflective
- 2. Color:
Background - Green except as noted
Message - White
- 3. Message Series - E Modified except all Cap Words Series E.
- 4. Exit Only Panels Type F Reflective with:
Background - Yellow
Message - Black



NC 73



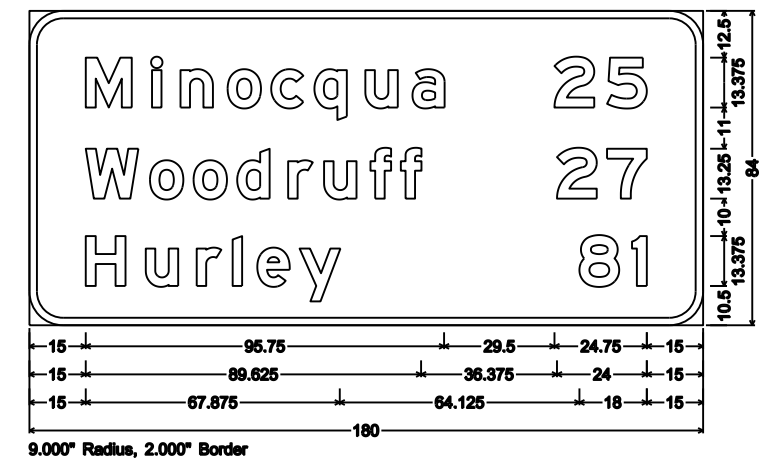
NC 67
NC 74



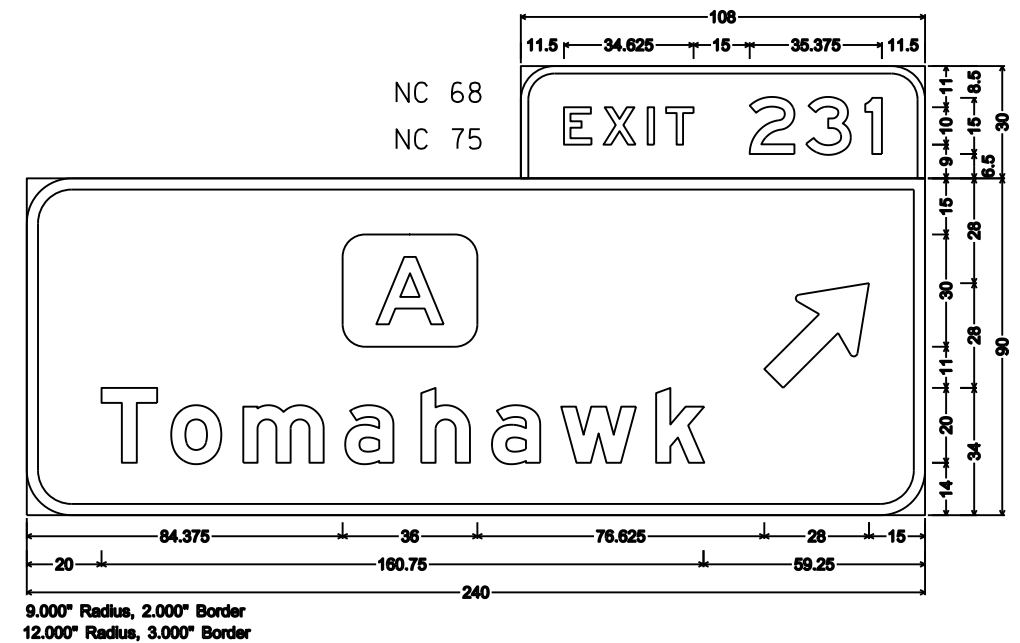
NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all Cap Words Series E.
4. Exit Only Panels Type F Reflective with:
Background - Yellow
Message - Black

NC 69



NC 68
NC 75

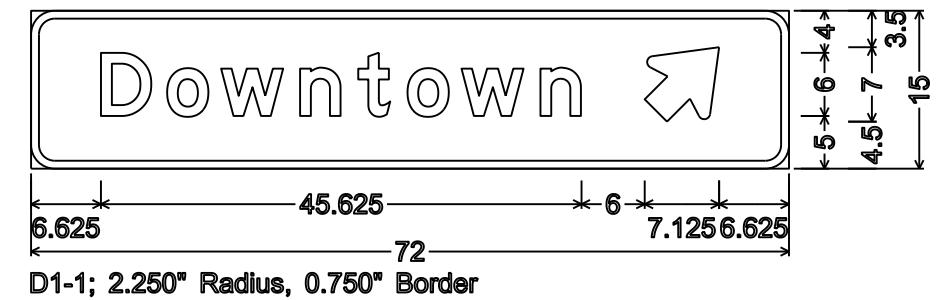
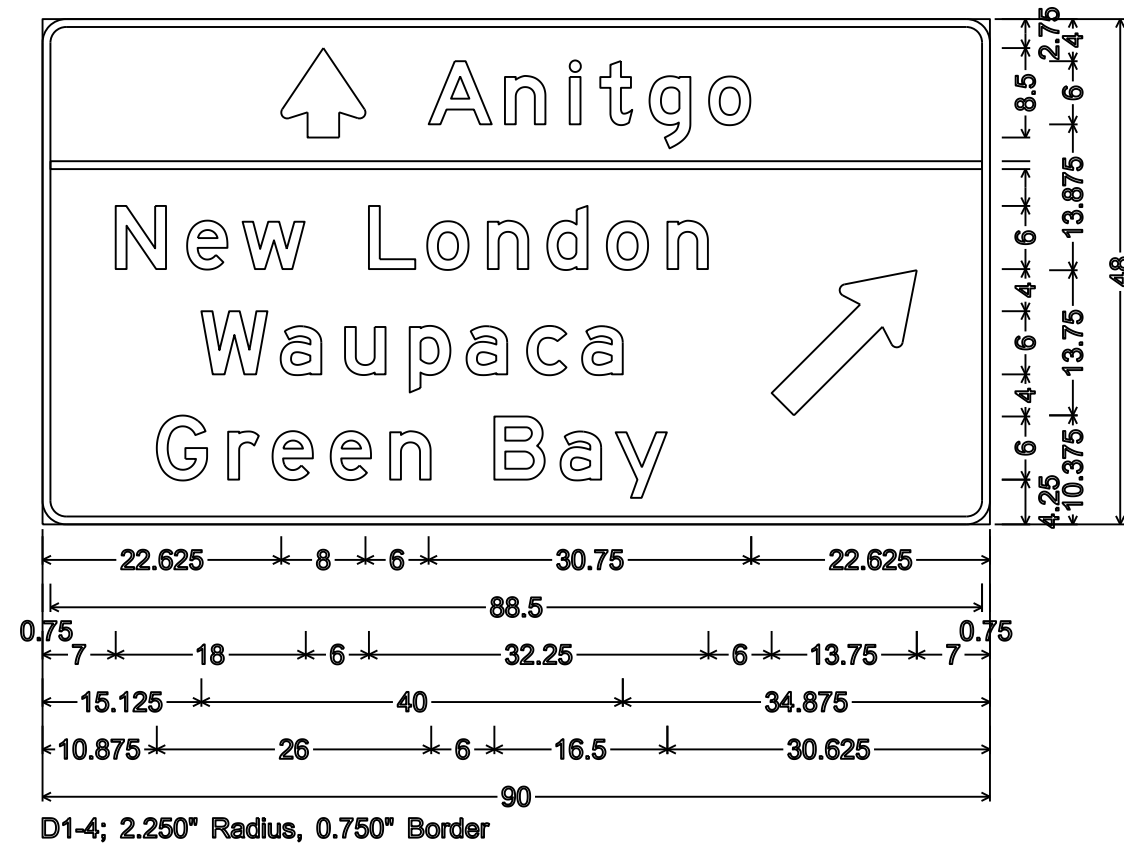


NC 52

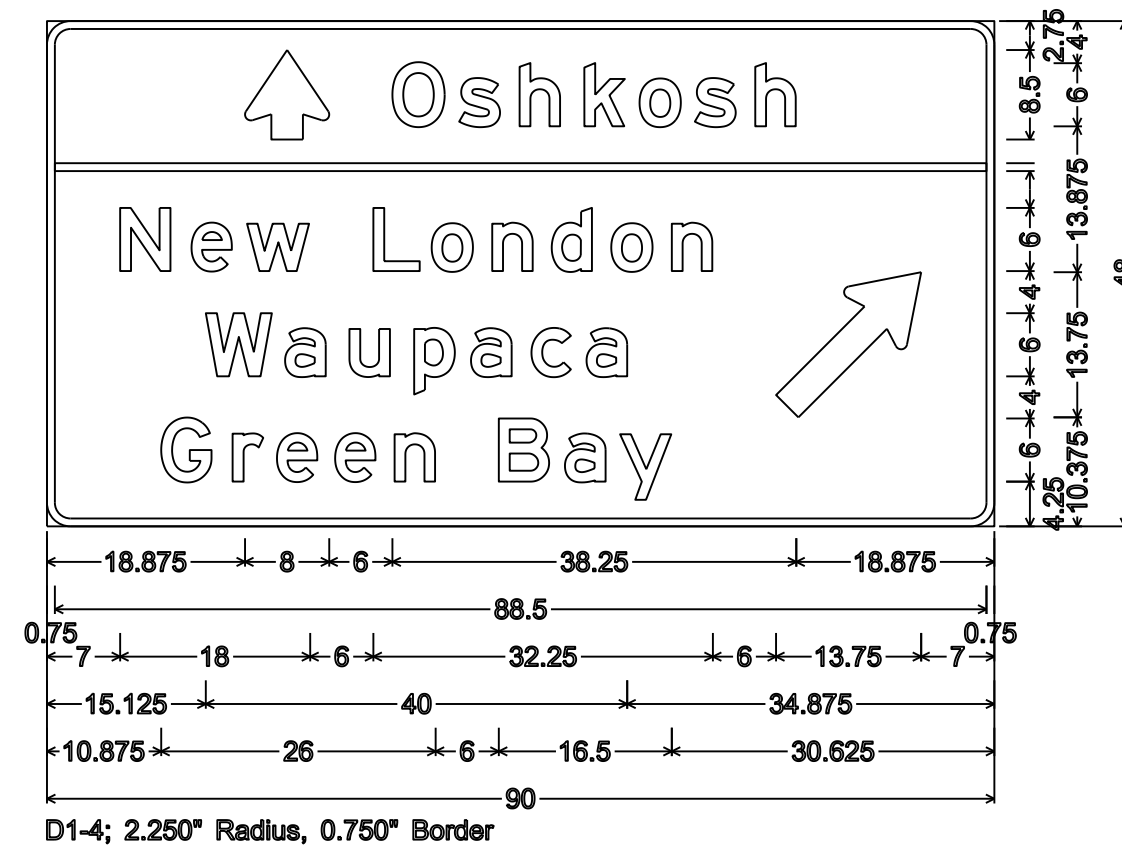
NOTES

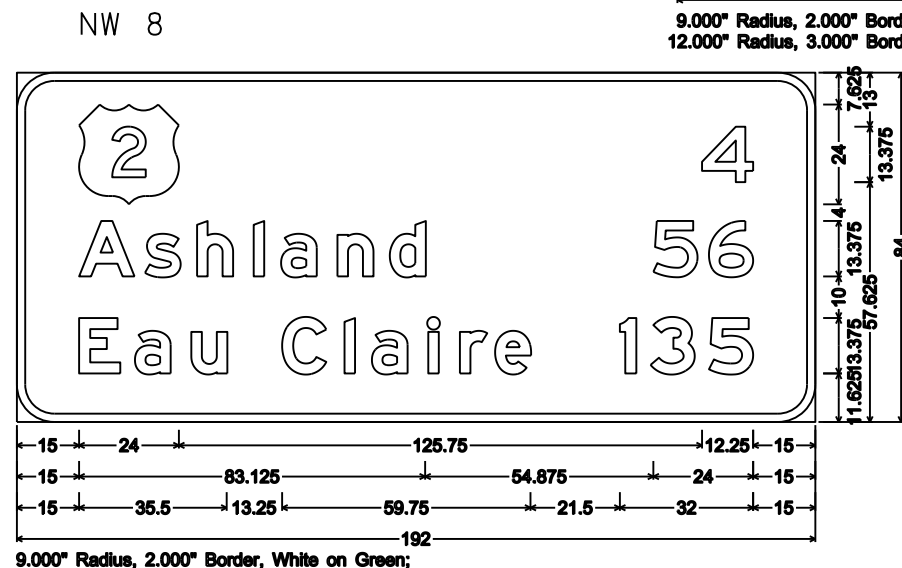
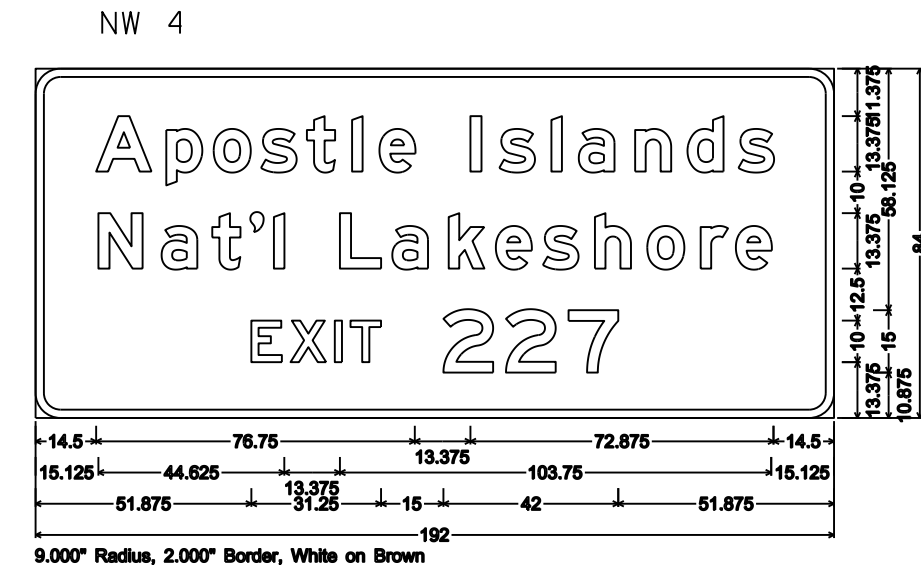
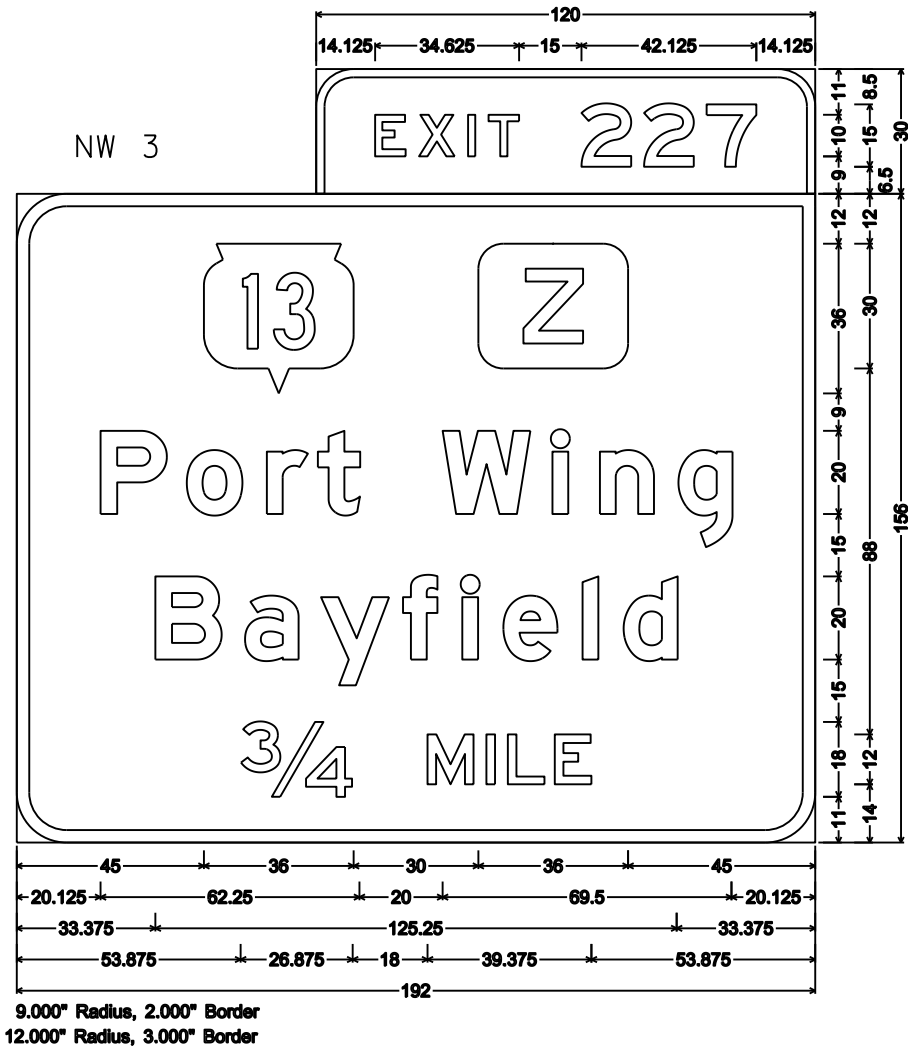
1. Sign is Type II - Type H Reflective
2. Color:
 - Background - Green
 - Message - White
3. Message Series - E

NC 61



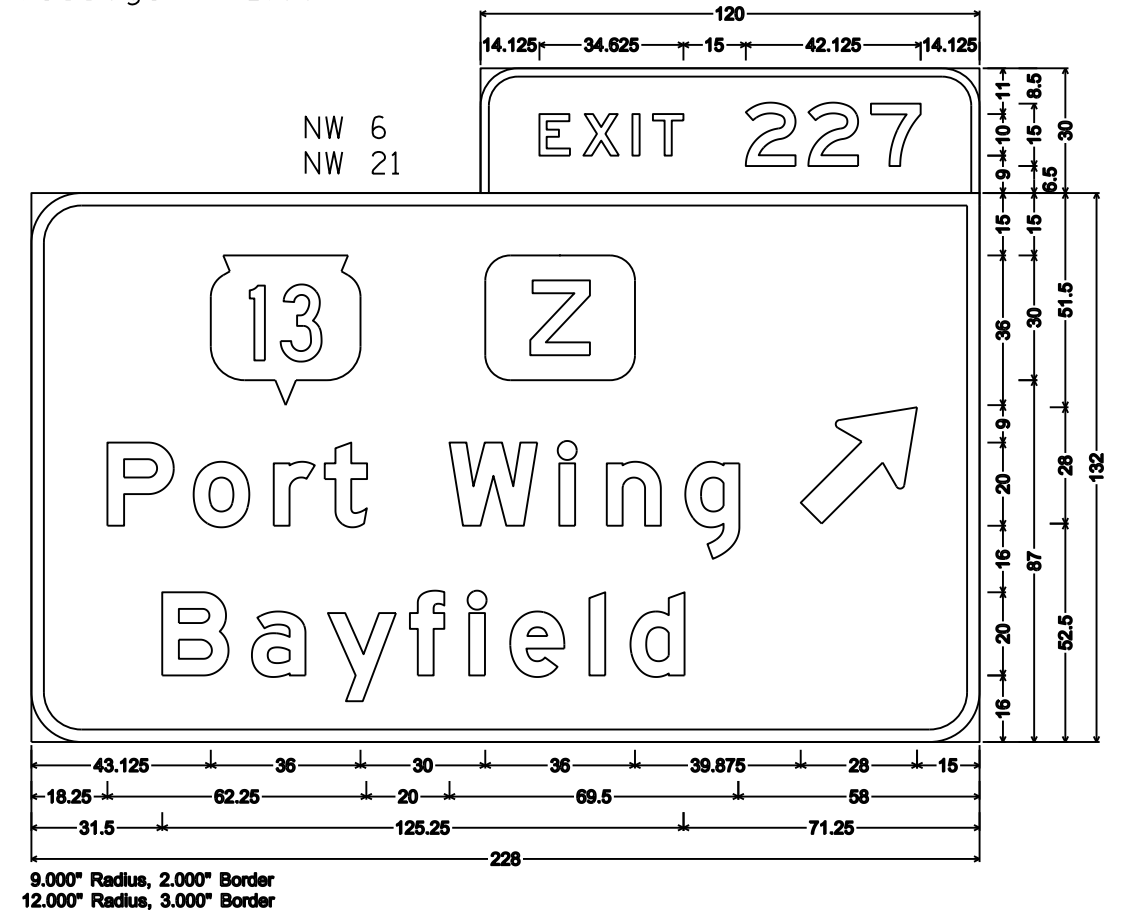
NC 59



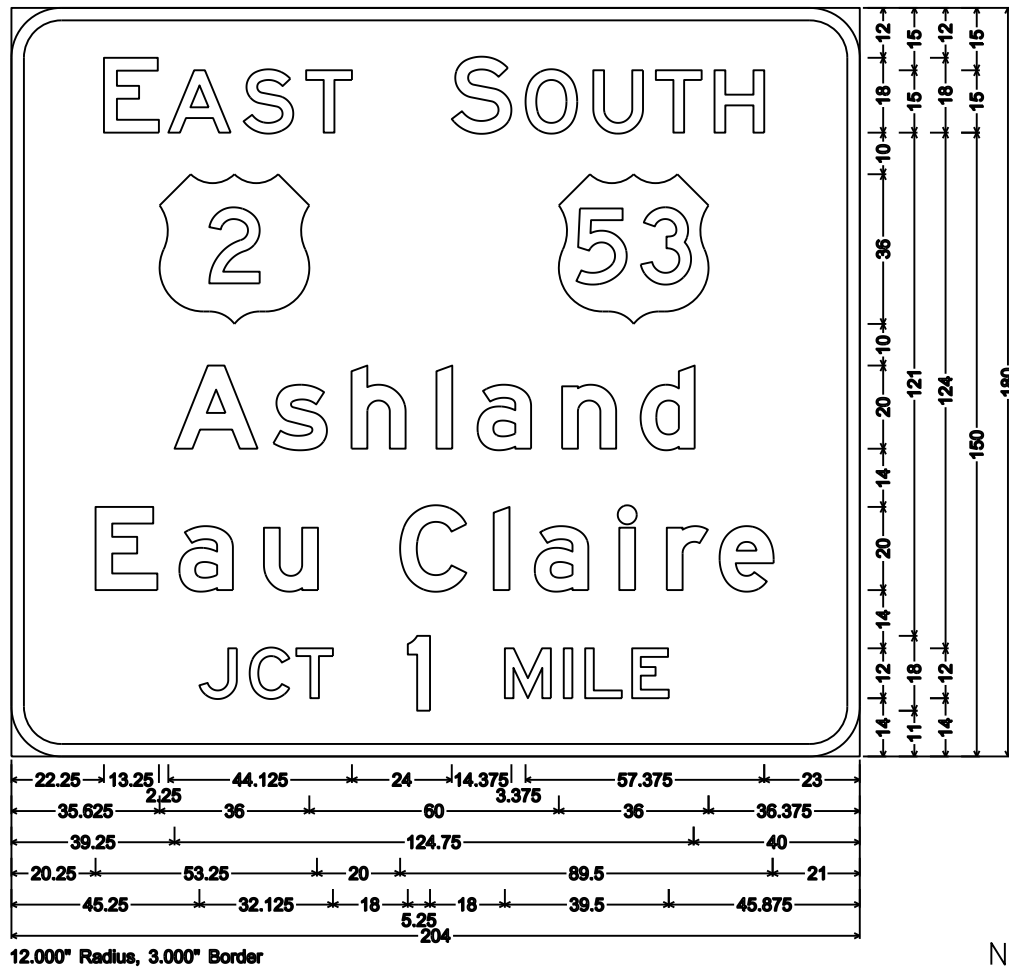


NOTES

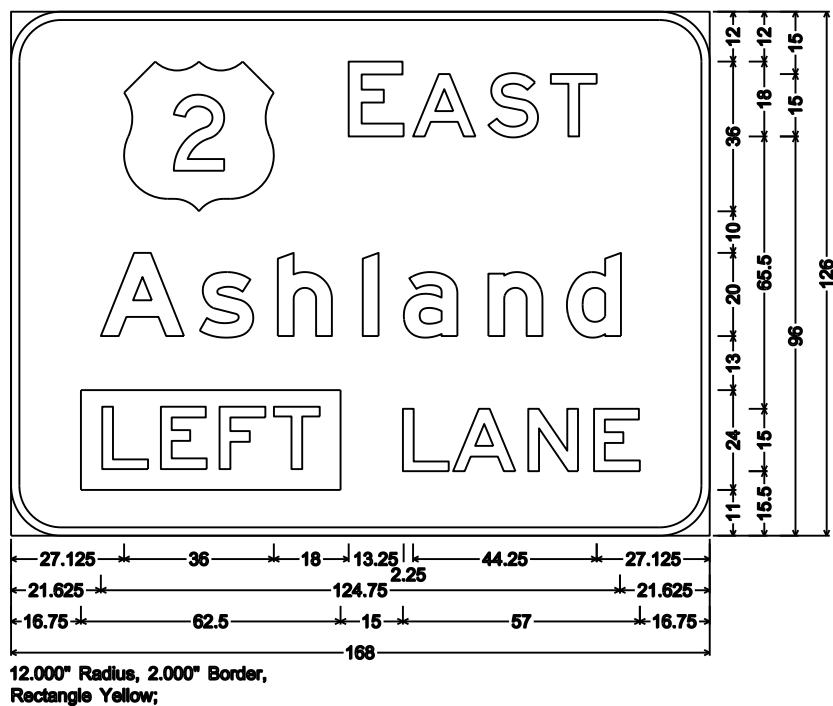
1. Sign is Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all Cap Words Series E.
4. Exit Only Panels Type F Reflective with:
Background - Yellow
Message - Black



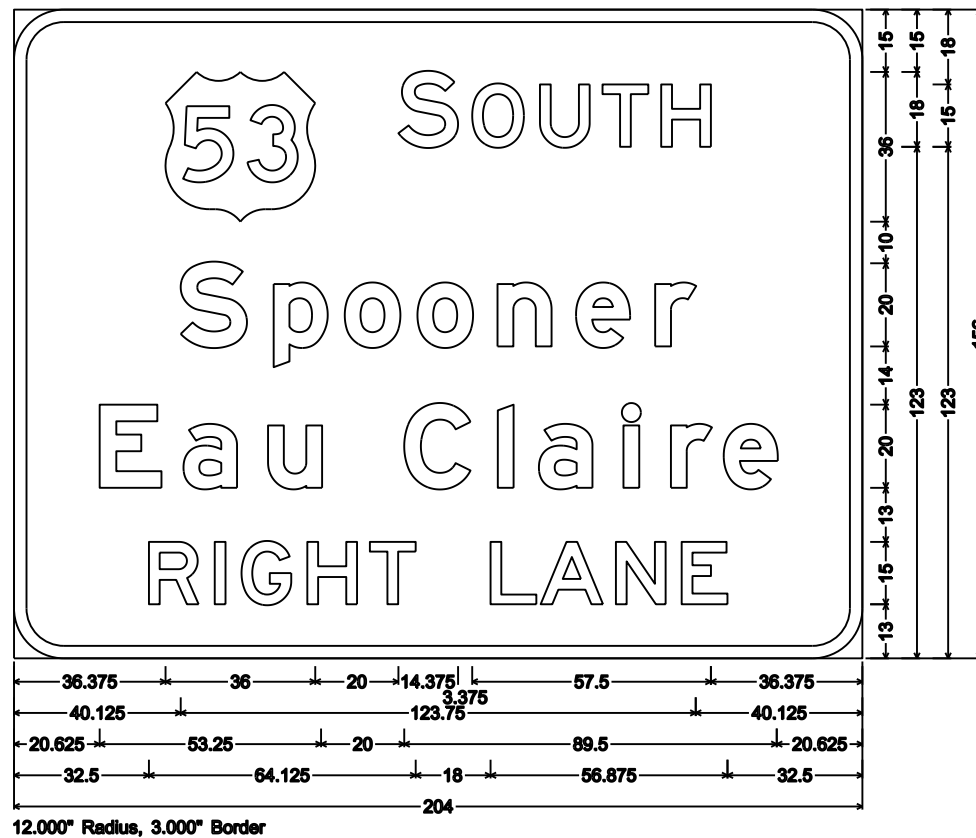
NW 9



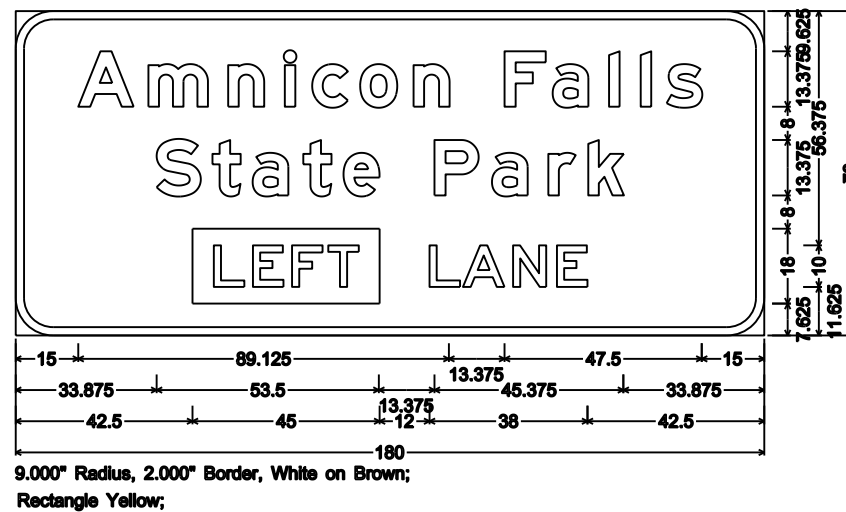
NW 10



NW 11



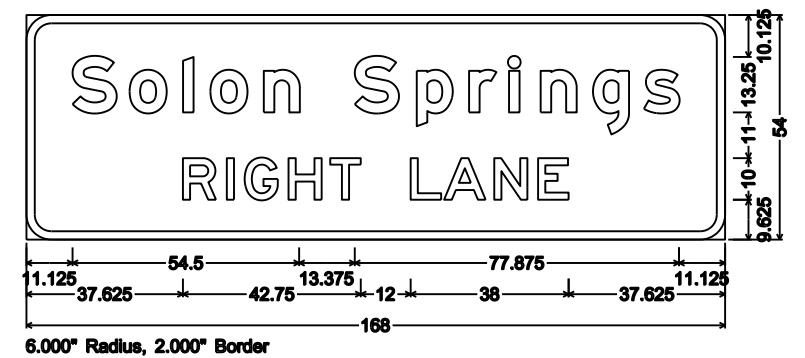
NW 13



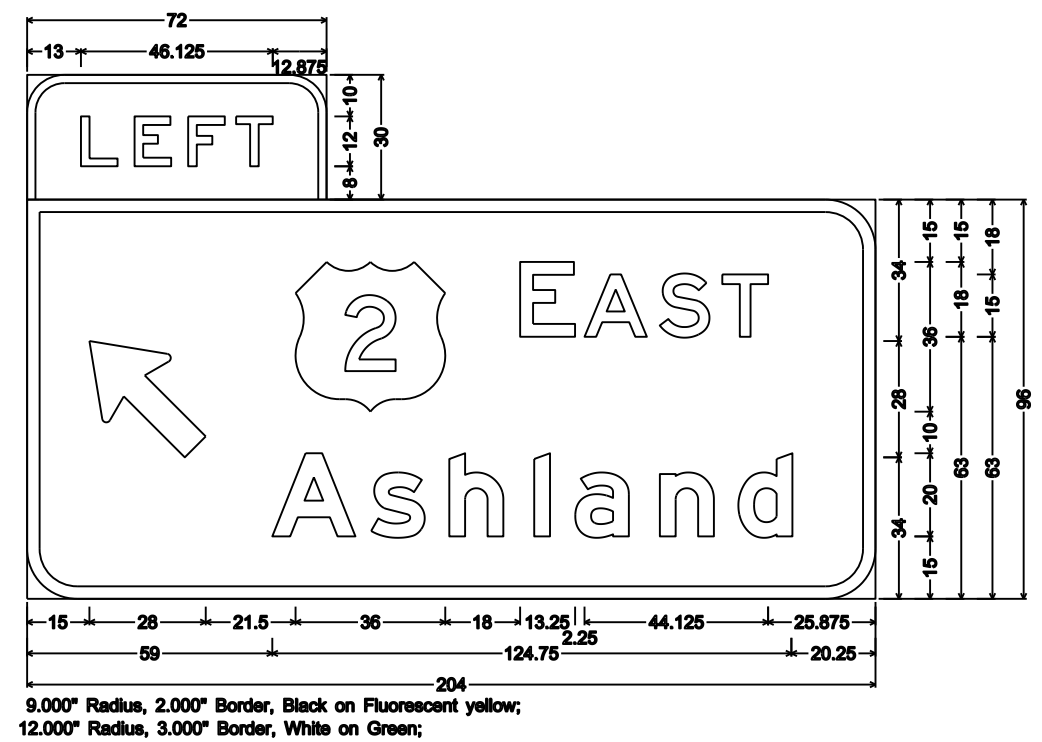
NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all Cap Words Series E.
4. Exit Only and Left Panels Type F Reflective with:
Background - Yellow
Message - Black

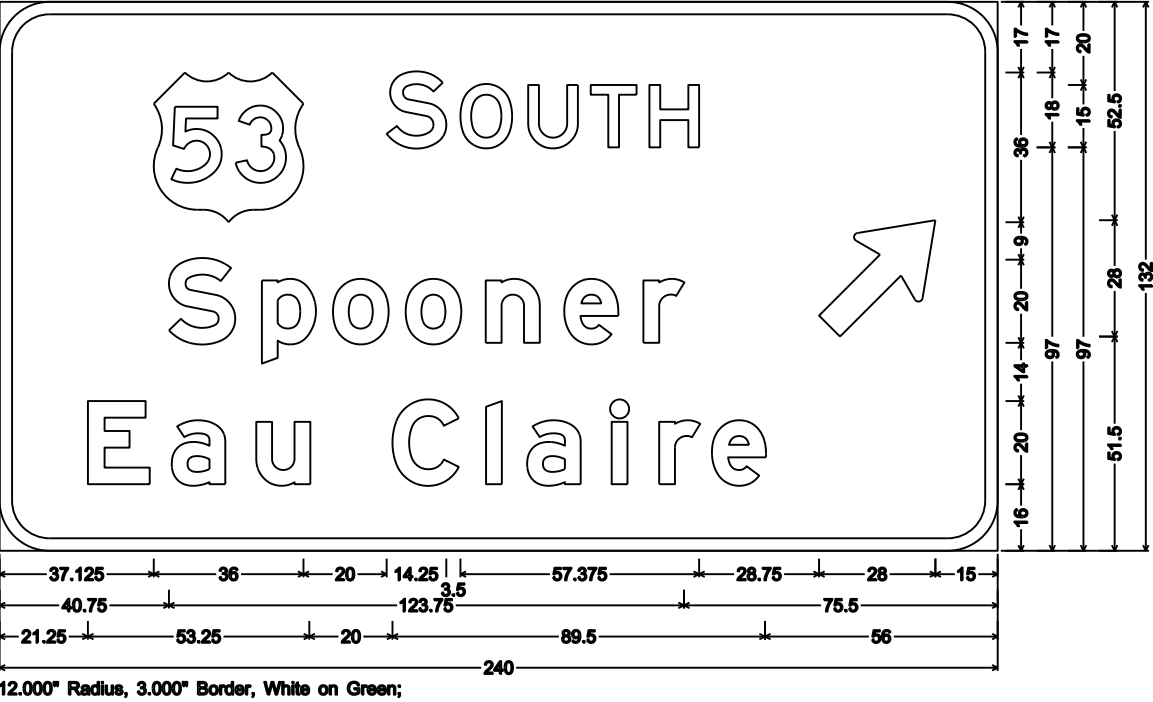
NW 12



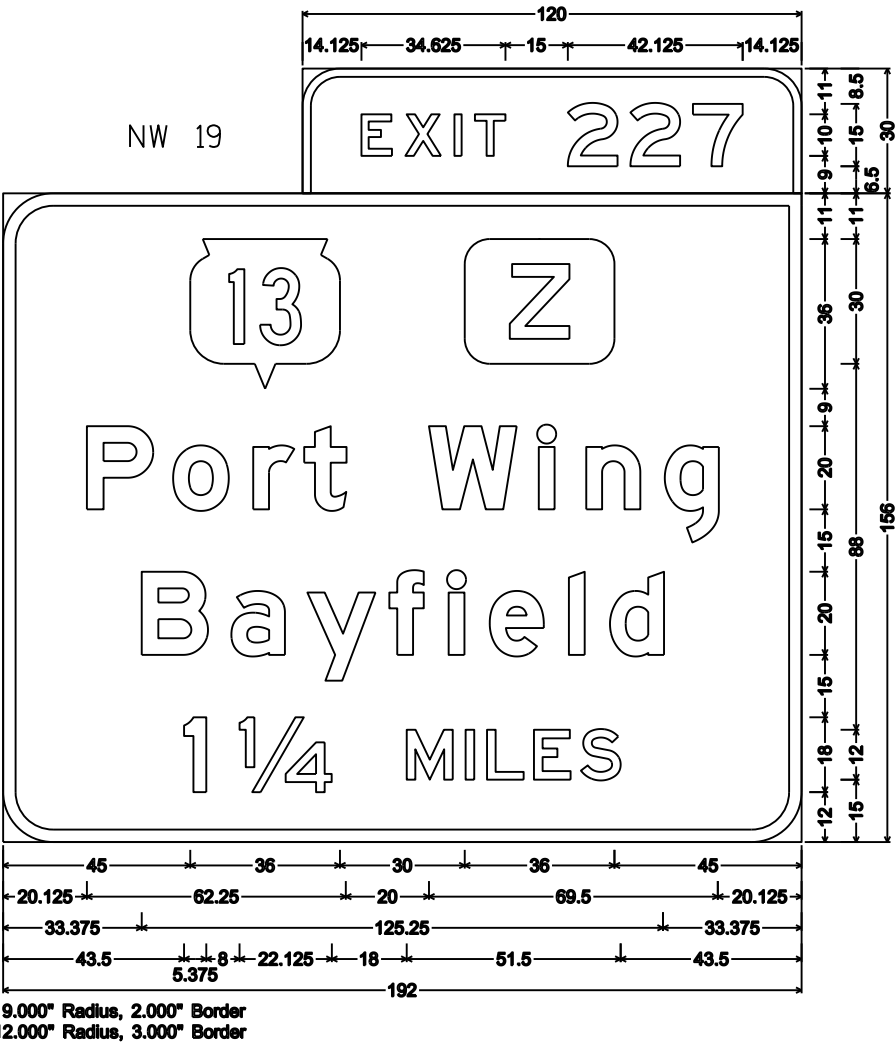
NW 14



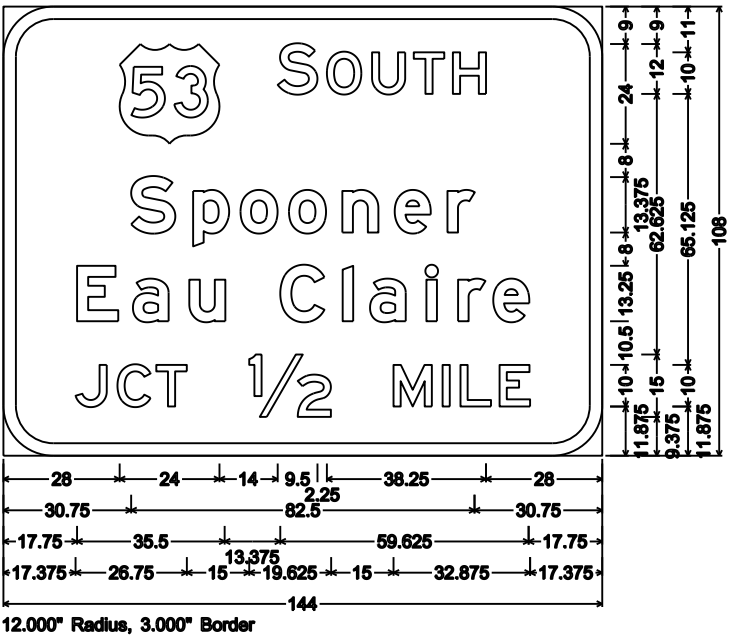
NW 15



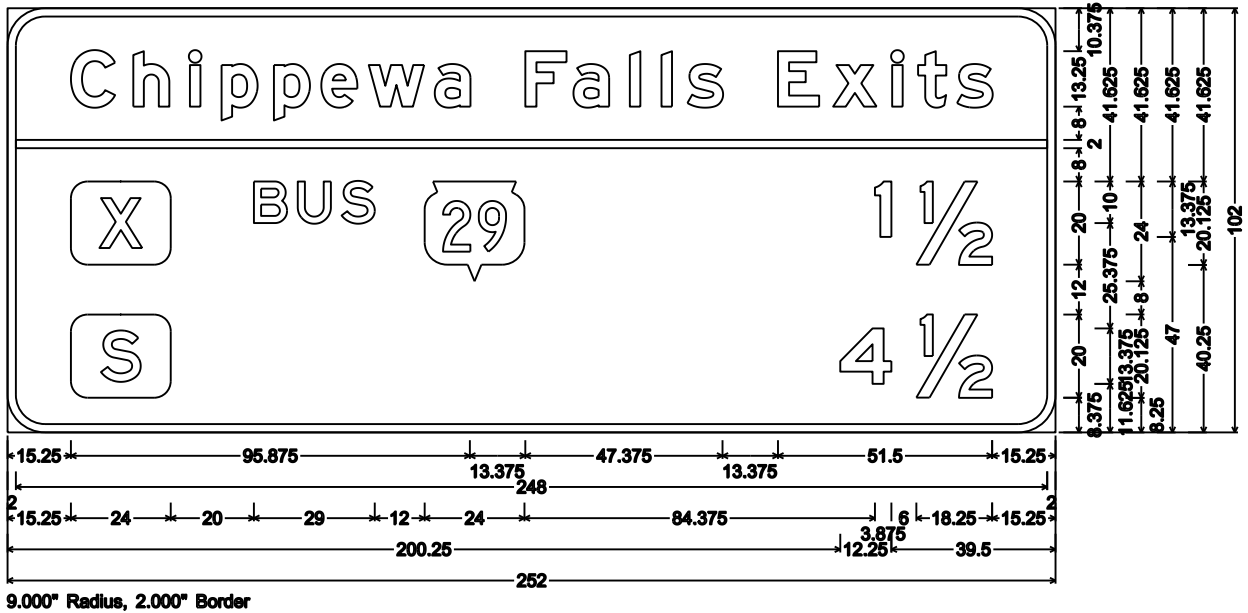
NW 19



NW 17



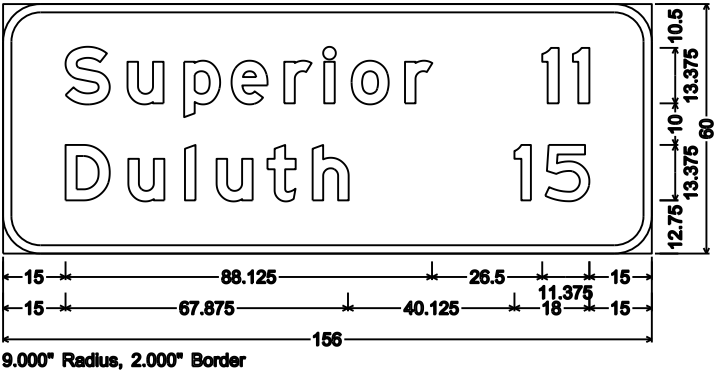
NW 23

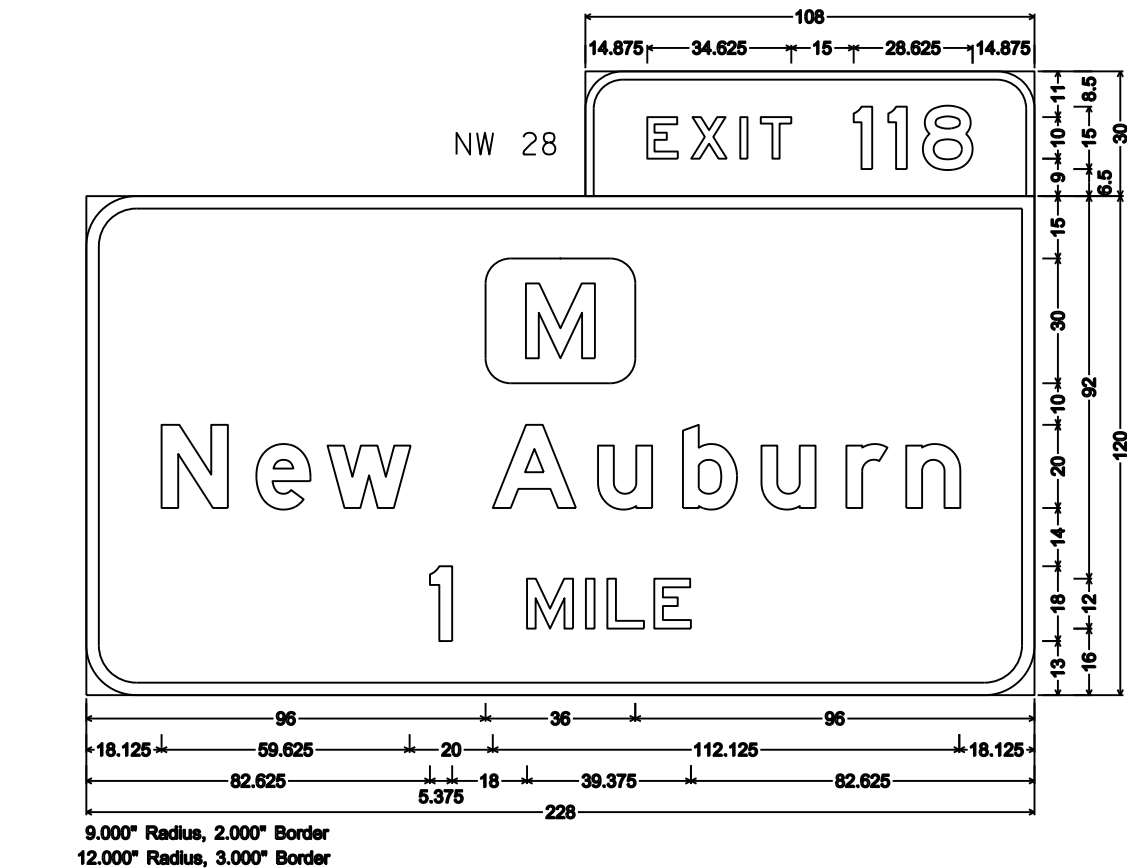
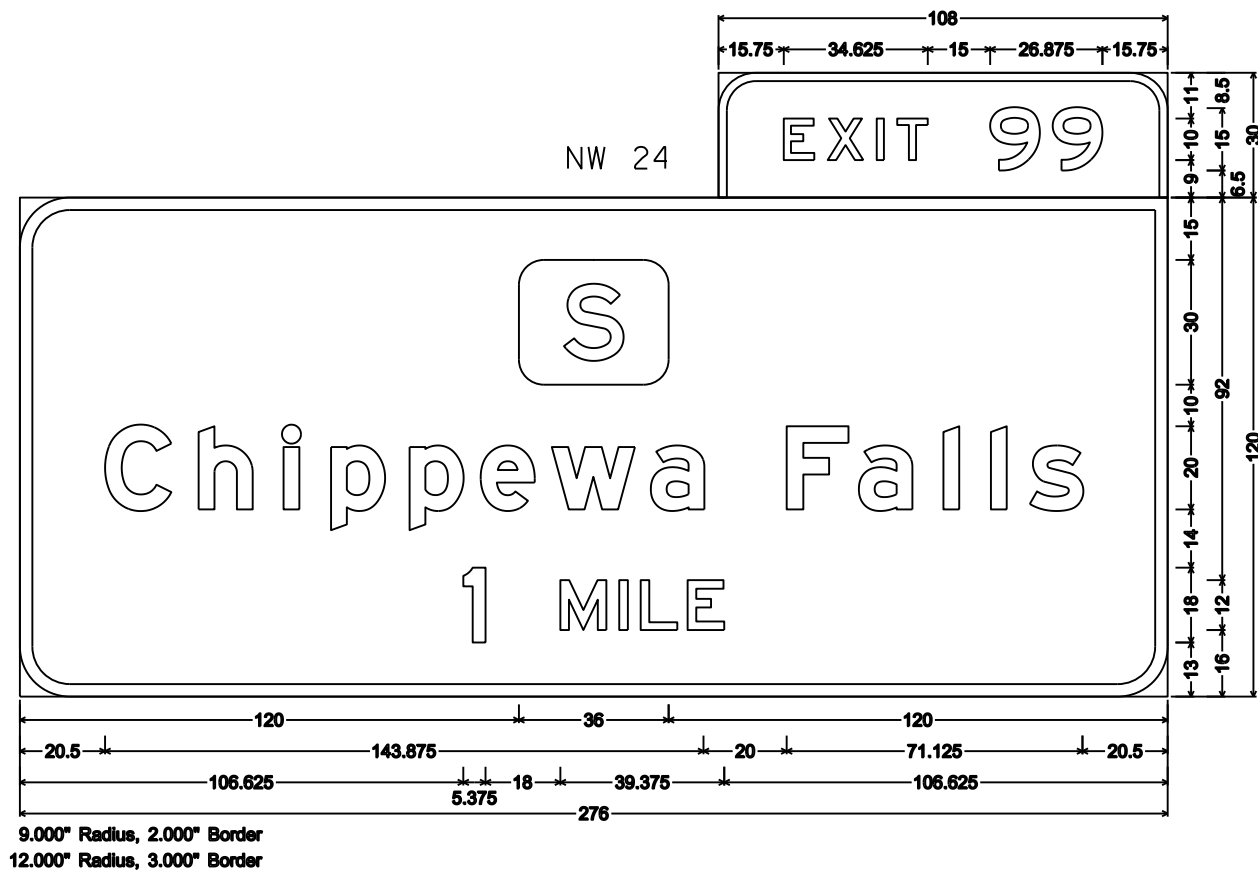


NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all Cap Words Series E.
4. Exit Only Panels Type F Reflective with:
Background - Yellow
Message - Black

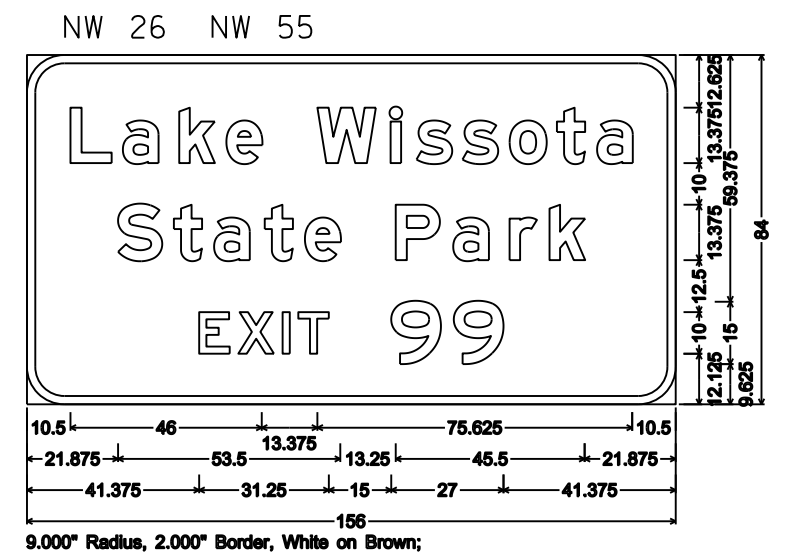
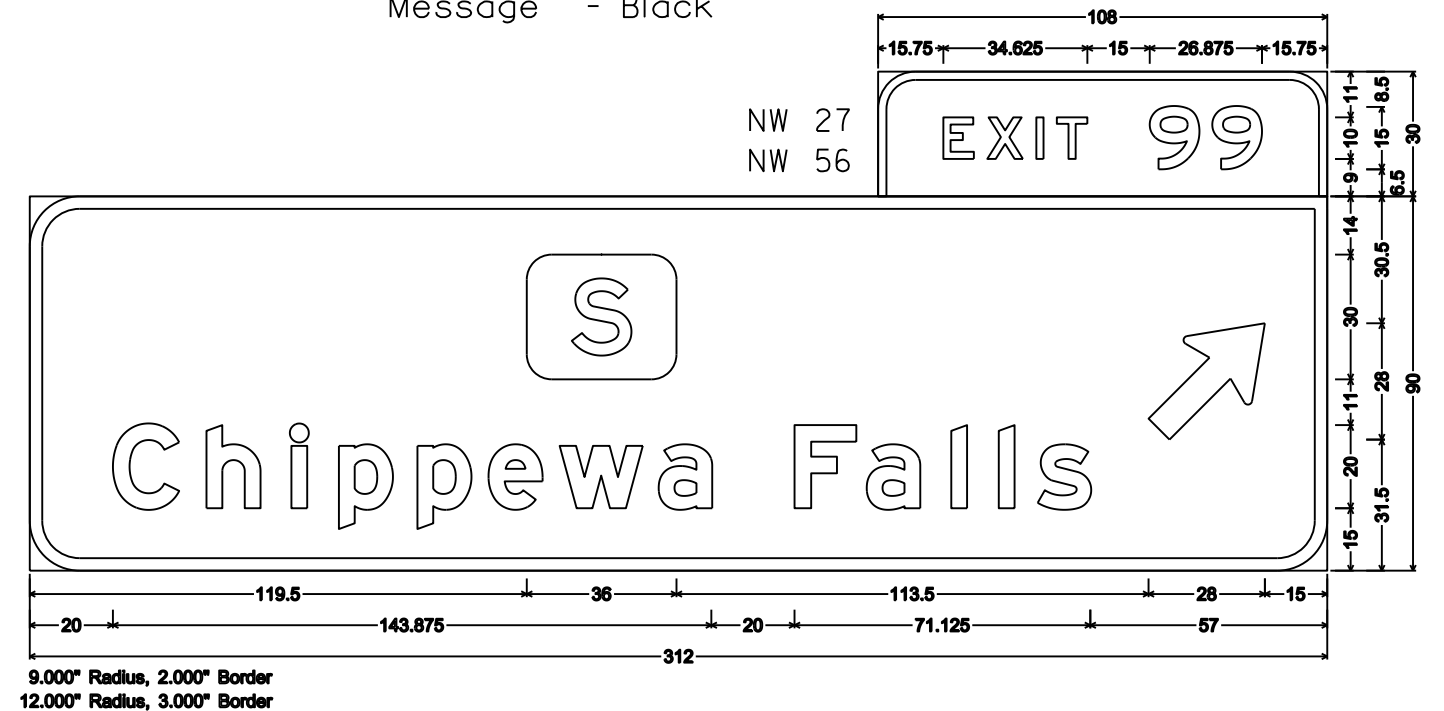
NW 18





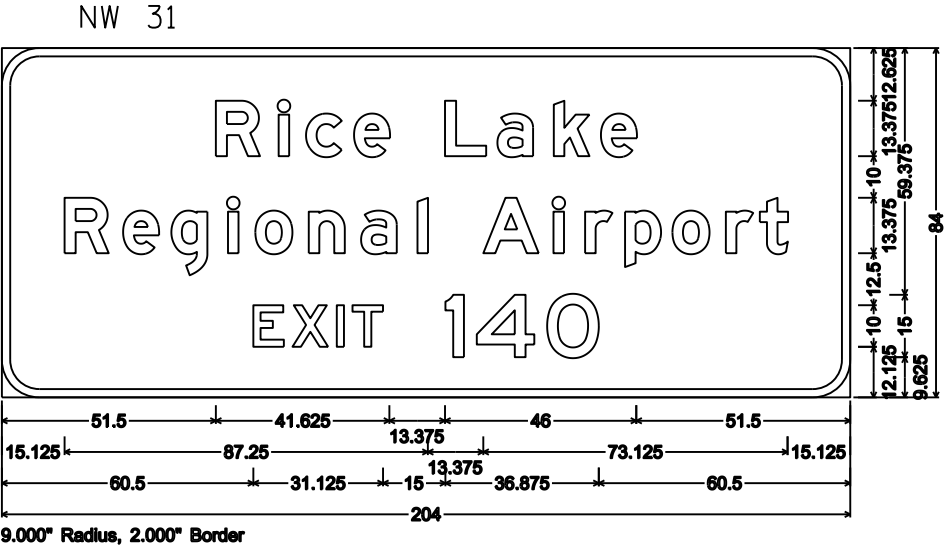
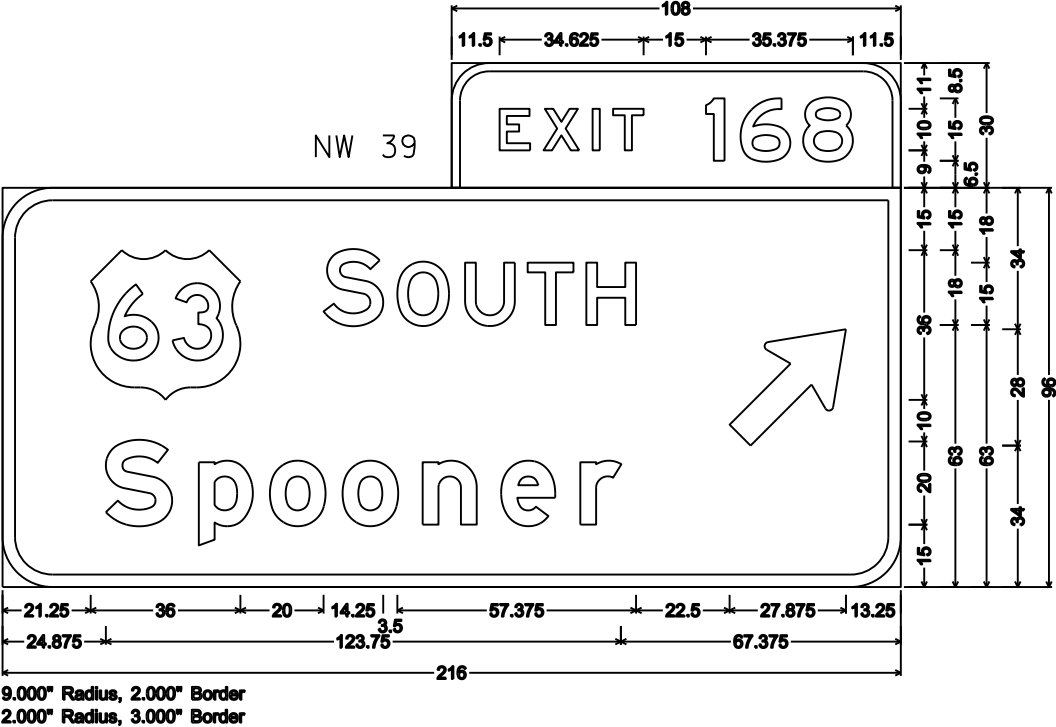
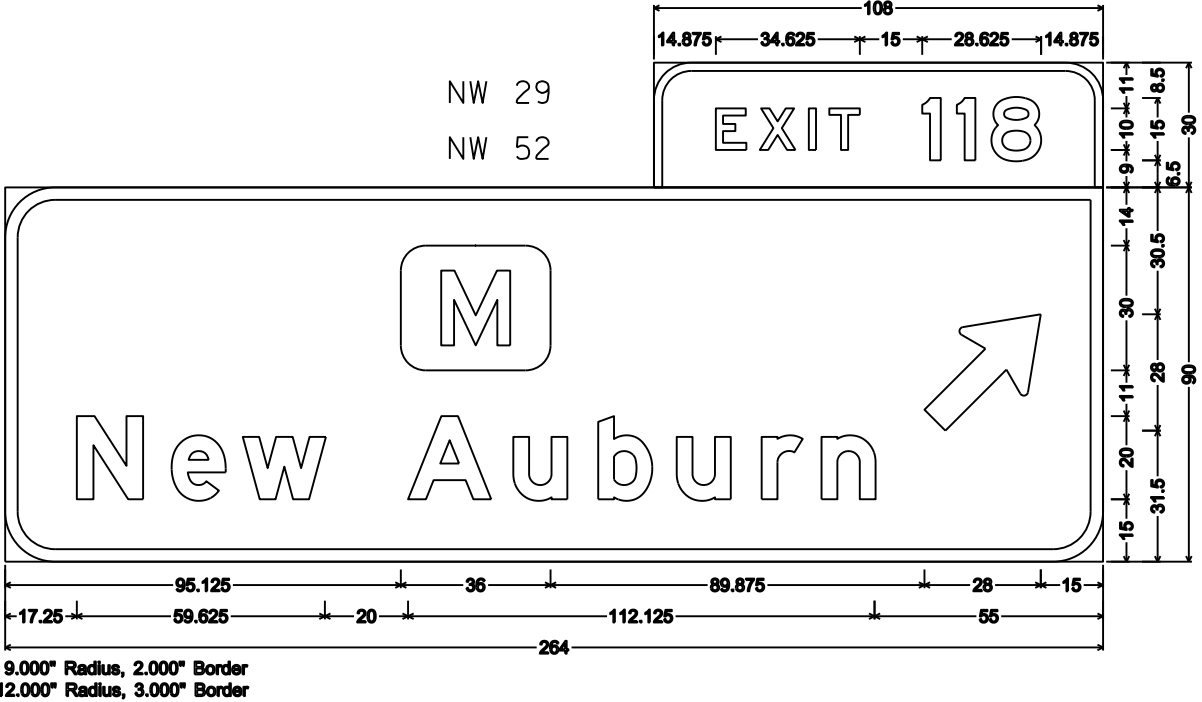
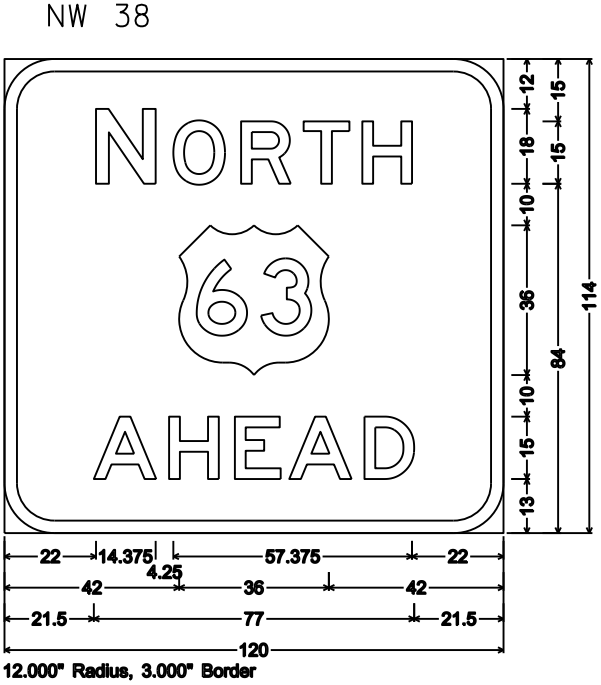
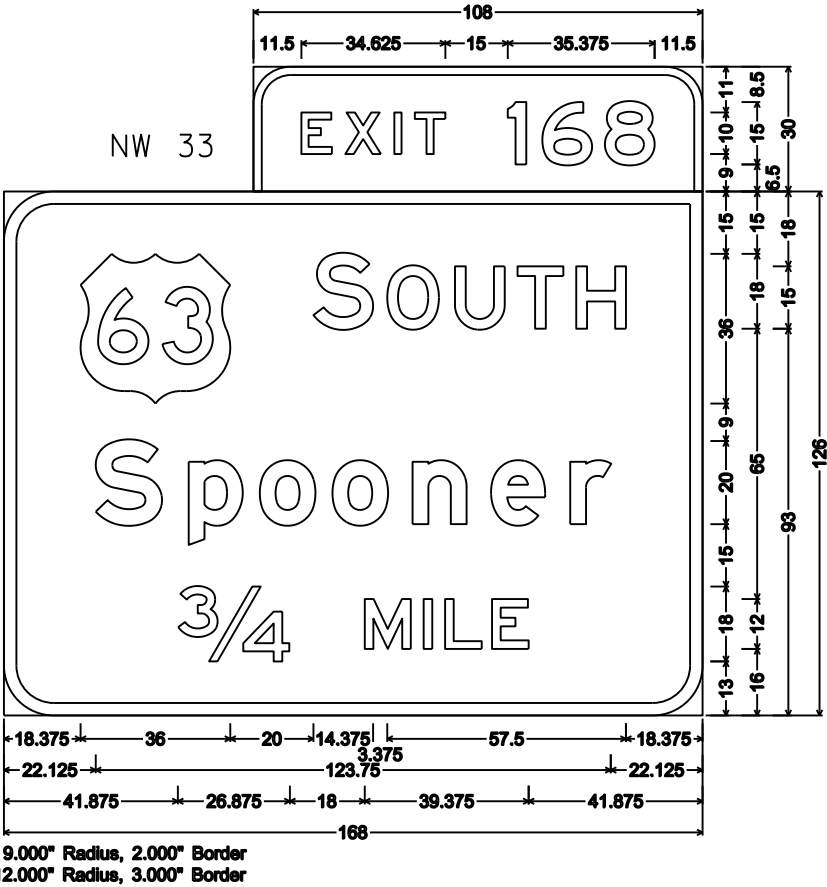
NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all Cap Words Series E.
4. Exit Only Panels Type F Reflective with:
Background - Yellow
Message - Black



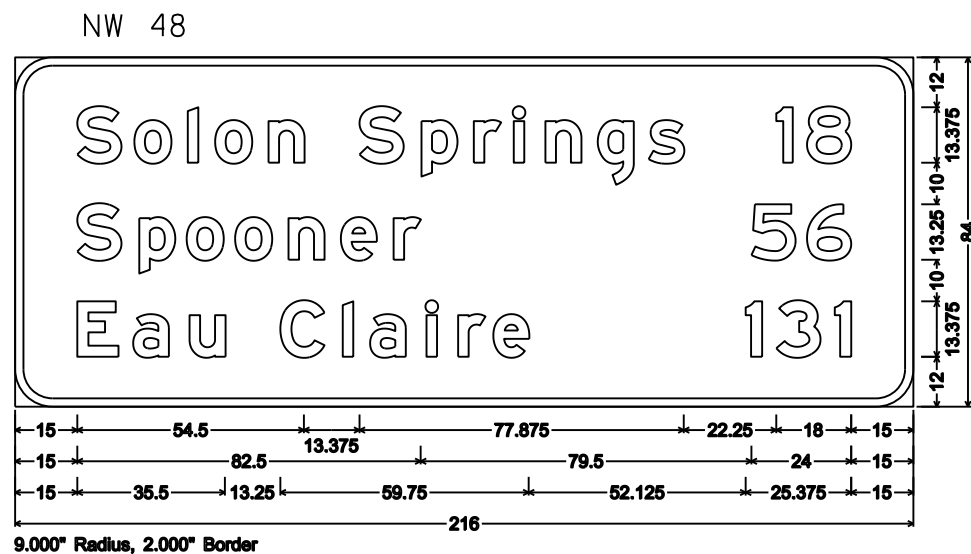
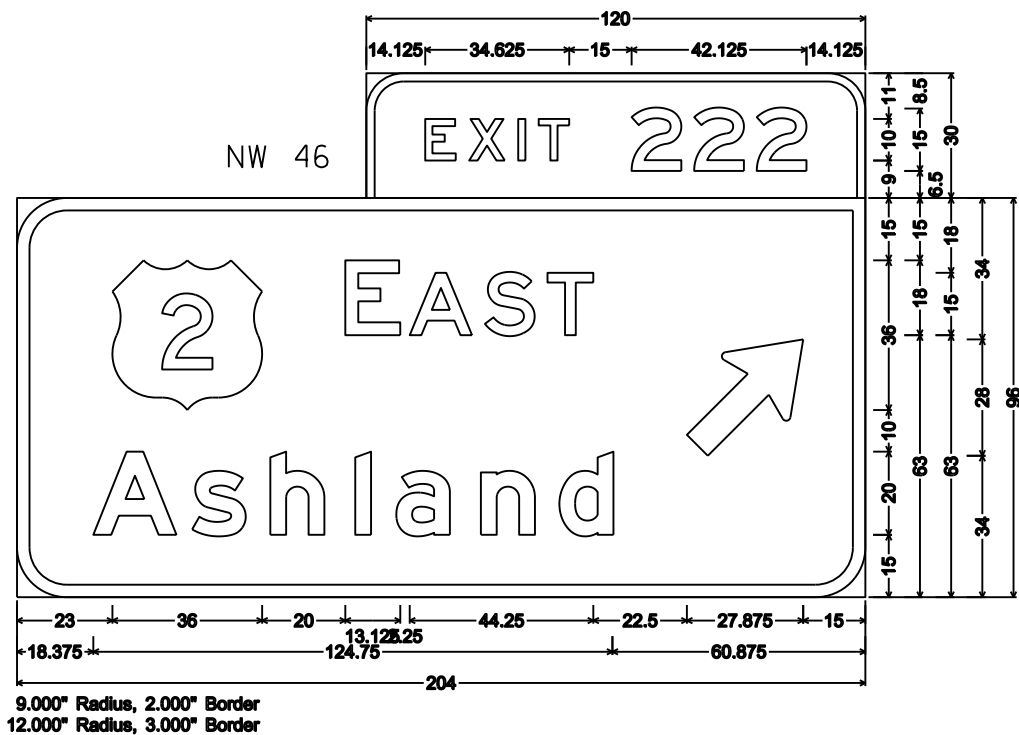
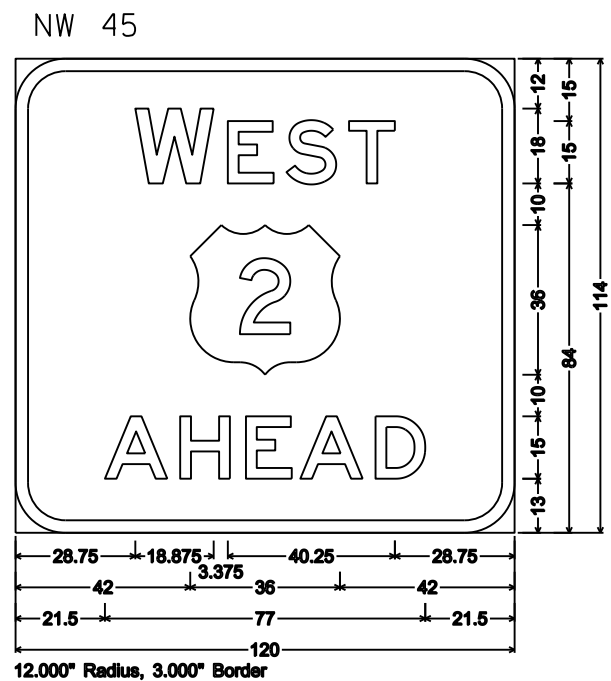
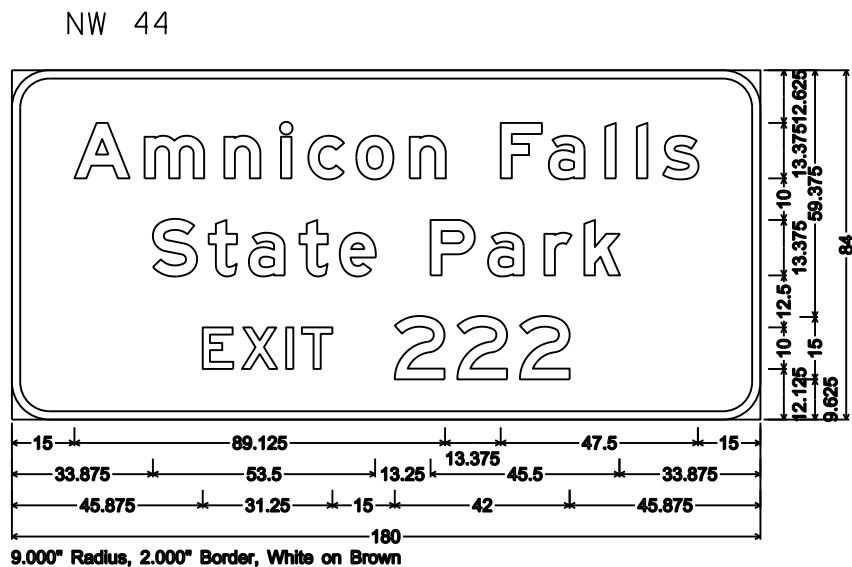
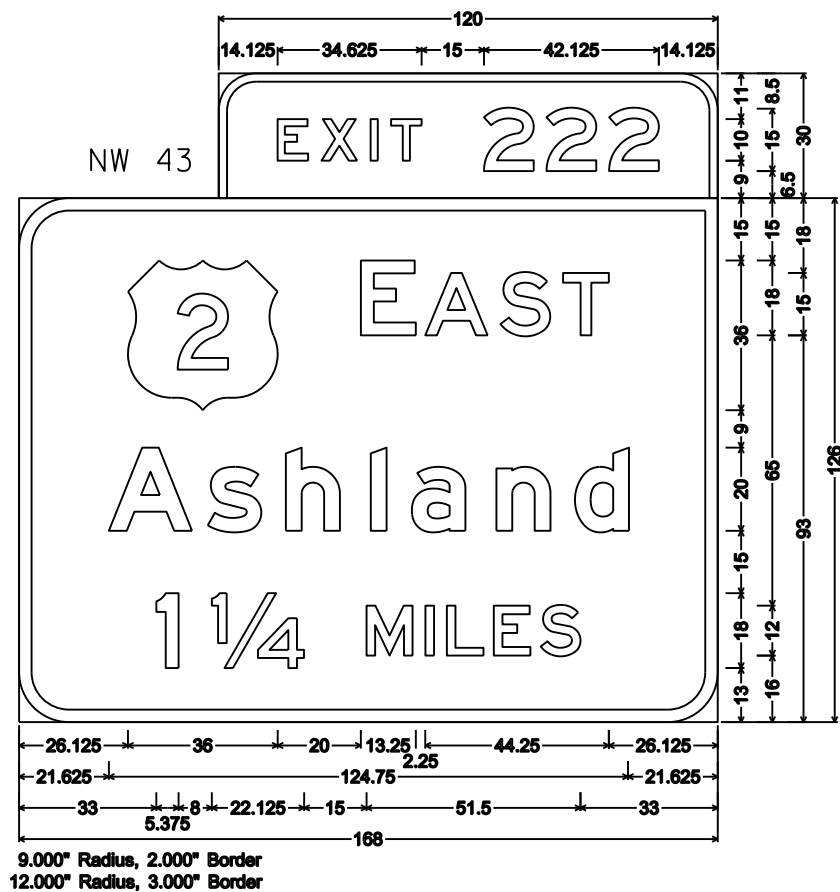
NOTES

- 1. Sign is Type I - Type SH Reflective
- 2. Color:
Background - Green except as noted
Message - White
- 3. Message Series - E Modified except all Cap Words Series E.
- 4. Exit Only Panels Type F Reflective with:
Background - Yellow
Message - Black

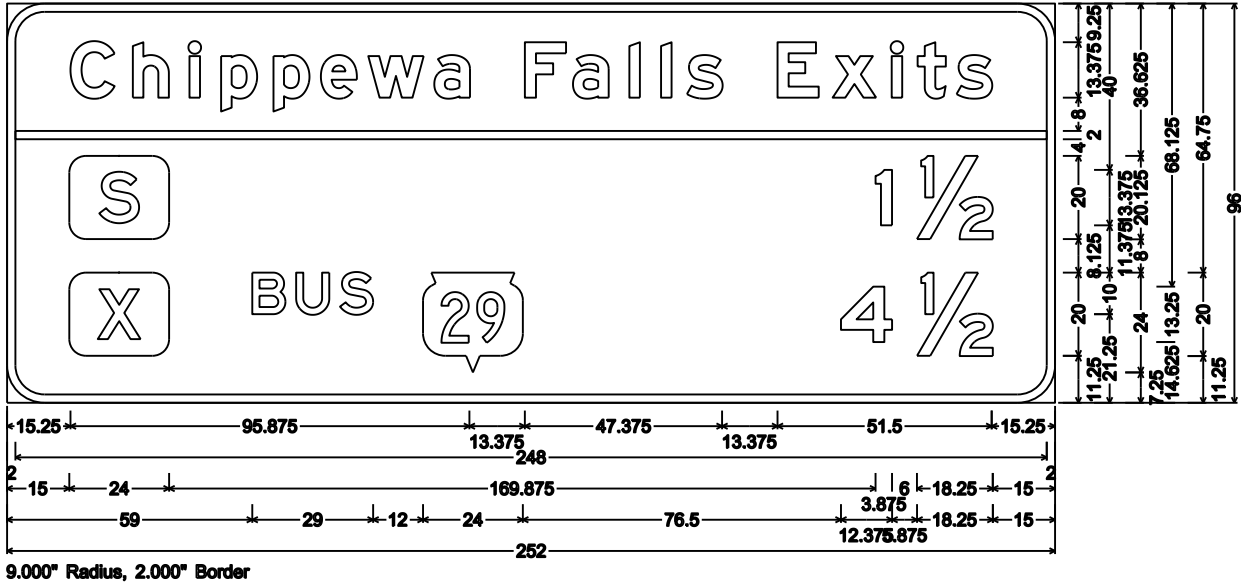


NOTES

1. Sign is Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White
3. Message Series - E Modified except all Cap Words Series E.
4. Exit Only Panels Type F Reflective with:
Background - Yellow
Message - Black



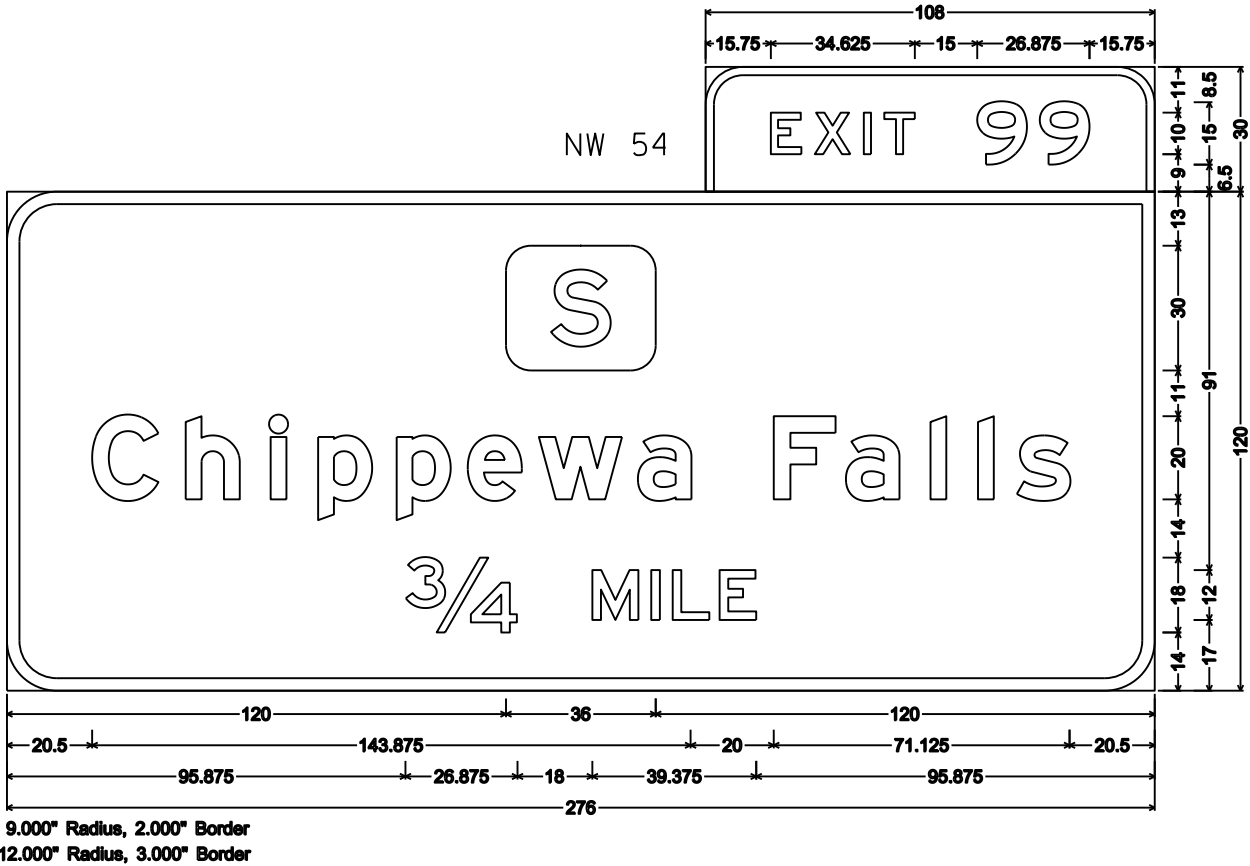
NW 53

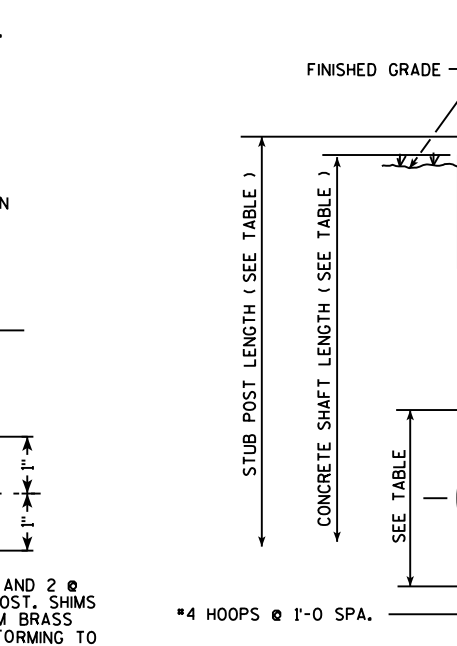
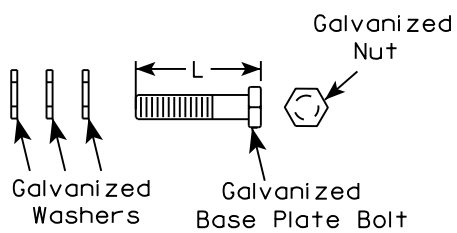
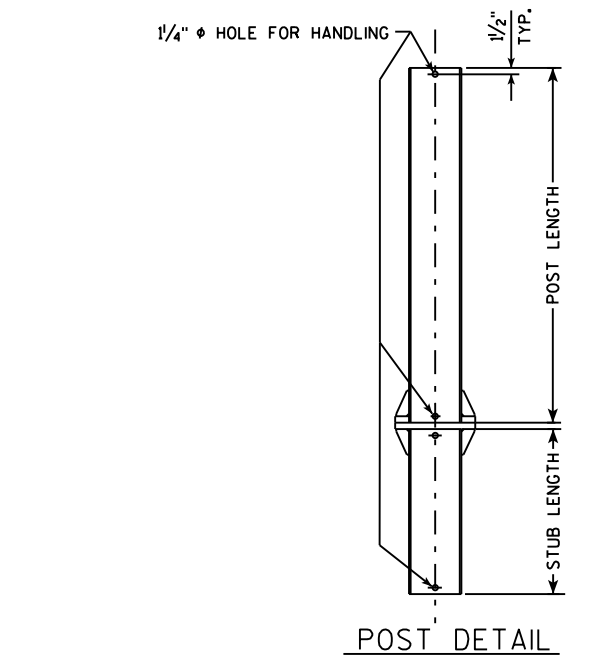
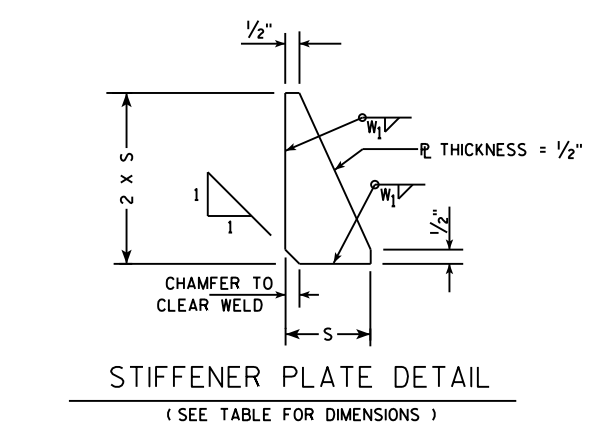
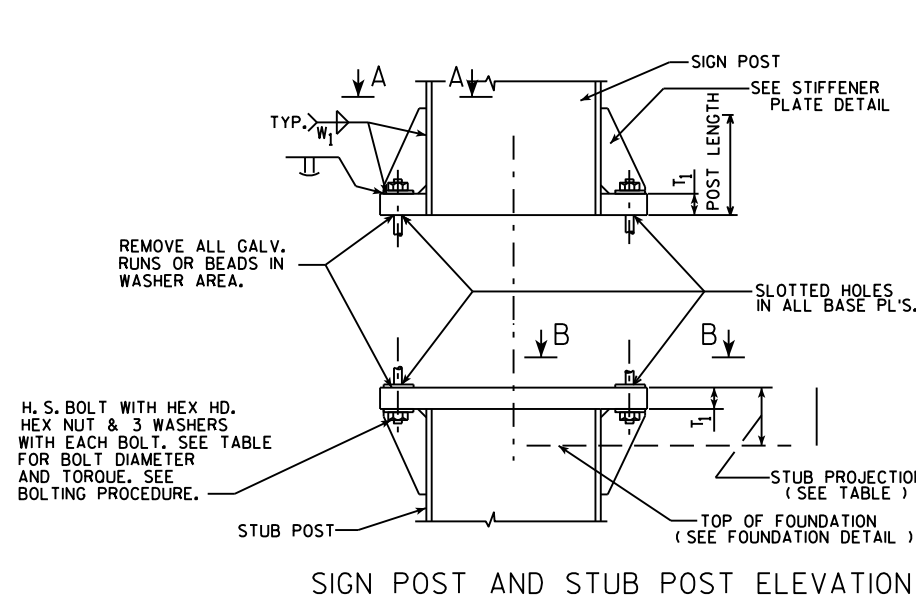


NOTES

- 1. Sign is Type I - Type SH Reflective
- 2. Color:
 - Background - Green except as noted
 - Message - White
- 3. Message Series - E Modified except all Cap Words Series E.
- 4. Exit Only Panels Type F Reflective with:
 - Background - Yellow
 - Message - Black

NW 54

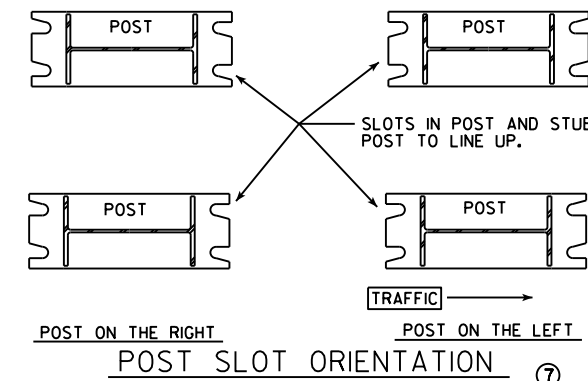
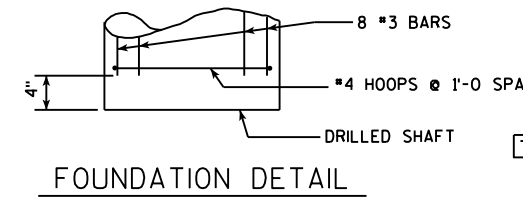
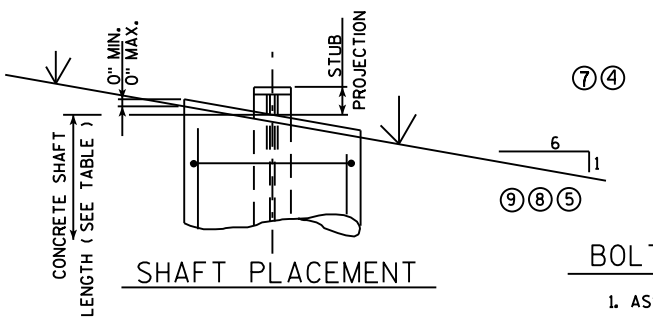
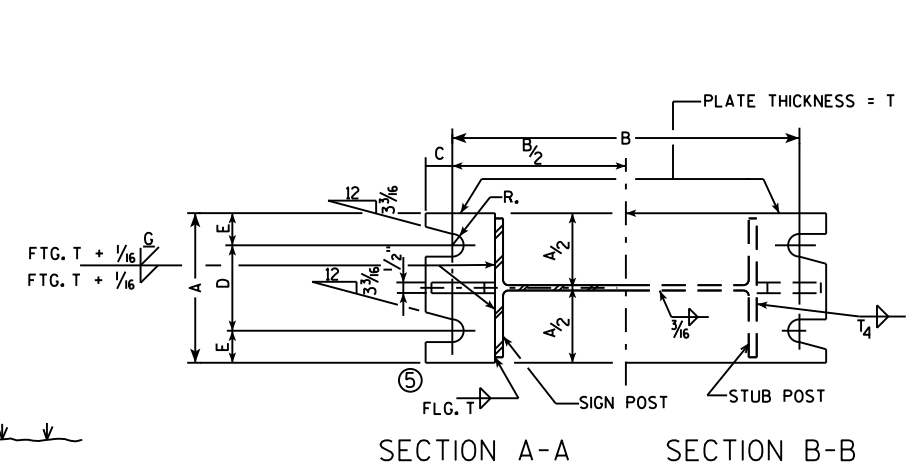




QUANTITIES FOR 1 FOOTING		
	CONC. MASONRY C.Y.	REINF. STEEL LBS.
A	0.6	34
B	0.8	49
C	0.9	50
D	0.9	56
E	1.0	62

REINF.	TYPE	#3		#4	
		8 @	4'-5"	5 @	6'-3"
⑦	A	8 @	4'-5"	5 @	6'-3"
	B	8 @	6'-5"	7 @	6'-3"
	C	8 @	6'-11"	7 @	6'-3"
	D	8 @	7'-5"	8 @	6'-3"
	E	8 @	7'-11"	9 @	6'-3"

BASE CONNECTION DATA TABLE															FOUNDATION DATA				K
L	X	TYPE	DIMENSION POST SIZE	BOLT SIZE & TORQUE	A	B	C	D	E	T ₁	T ₄	W ₁	R	S	STUB LENGTH	STUB PROJECTION	SHAFT DIAMETER	SHAFT LENGTH	
3 3/4	④	A	W10"x12.0 #/FT.	3/4" @ 75*-FT.	5/4"	1'-0 3/8	7/8"	3 1/2"	7/8"	1"	3/16"	5/16"	1 1/2"	2 1/8"	3'-6"	3"	2'-0"	5'-0"	76.0*
4 3/4	④	B	W12"x16.0 #/FT.	7/8" @ 85*-FT.	5/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/4"	5/16"	5/16"	1 1/2"	3"	5'-6"	3"	2'-0"	7'-0"	146.5*
5		C	W12"x19.0 #/FT.	7/8" @ 85*-FT.	5/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/2"	5/16"	5/16"	1 1/2"	3"	6'-0"	3"	2'-0"	7'-6"	182.1*
5		D	W12"x22.0 #/FT.	7/8" @ 85*-FT.	5/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/2"	3/8"	5/16"	1 1/2"	3"	6'-6"	3"	2'-0"	8'-0"	210.5*
5	③	E	W12"x26.0 #/FT.	1" @ 90*-FT.	7"	1'-4 1/4	1 1/4"	4"	1 1/2"	1 1/2"	3/8"	5/16"	1 1/2"	3"	7'-0"	3"	2'-0"	8'-6"	293.0*



DESIGN DATA

WIND PRESSURE = 75 M.P.H.
WIND COMPONENTS - NORMAL = 1.0 TRANSVERSE = 0.0
ICE LOAD = 3 P.S.F.

GROUP LOADS

GROUP LOADS	PERCENT OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD & WIND	140
3. DEAD, ICE & 1/2 WIND ^Δ	140

^Δ25 P.S.F. MIN.

ALLOWABLE SOIL PRESSURE = 1 1/2 T / SQ. FT.
WIND LOAD WAS APPLIED TO THE AREA OF THE SIGN AND TO THE SUPPORTING MEMBERS.
ICE LOAD WAS APPLIED TO ONE FACE OF THE SIGN AND AROUND THE SURFACE OF THE SUPPORTING MEMBERS.

GENERAL NOTES

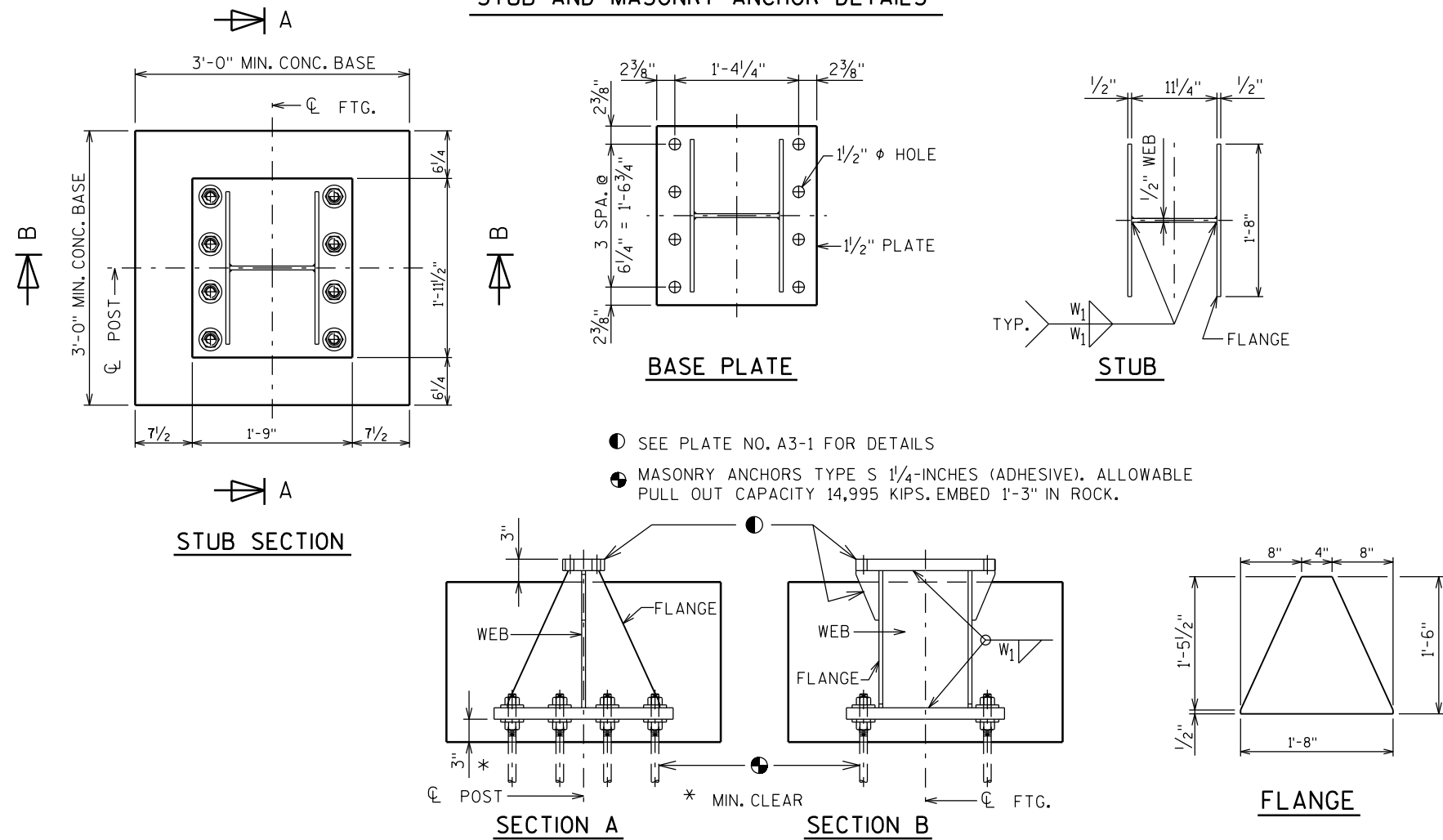
DRAWINGS SHALL NOT BE SCALED.
DESIGN CONFORMS WITH A.A.S.H.T.O. SPECIFICATIONS 1985.
ALL POSTS, POST STUBS & ATTACHMENTS SHALL BE A.S.T.M. A709 GRADE 50, GALVANIZED IN ACCORDANCE WITH ASTM A123.
THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.
FURNISH STEEL BOLTS, NUTS, AND WASHERS IN ACCORDANCE WITH SECTION 635 OF THE STANDARD SPECIFICATIONS.

BOLTING PROCEDURE - BASE CONNECTION

- ASSEMBLE SIGN POST TO STUB POST WITH BOLTS AND ONE OF THE FLAT WASHERS ON EACH BOLT BETW. PLATES.
 - SHIM AS REQ'D. TO PLUMB POST.
 - PRIOR TO BOLT TIGHTENING LUBRICATE BASE CONNECTION BOLTS WITH BEESWAX OR OTHER HIGH-WAX LUBRICANT.
 - TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS, THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. (SEE TABLE)
 - BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.
- NOTE:
TIGHTEN THE HIGH STRENGTH BOLTS TO THE TORQUE SHOWN. DO NOT OVERTIGHTEN.

WISCONSIN DEPT OF TRANSPORTATION			
APPROVED		Matthew R. Rauch for State Traffic Engineer	
DATE 11/12/15		PLATE NO. A3-1.16	
⑩	1-21-14	LUBRICATION OF BASE BOLTS	
⑨	4-26-11	REMOVE NON-GALVANIZED	
⑧	10-30-96	NOT GALVANIZED/GALVANIZED	
⑦	10-30-92	QUANT., A588 EXCEPT., ADD SLOT VIEW	
⑥	8-24-87	BASE CONN. WELD	
⑤	10-13-81	BASE CONN. WELD & FUSE PLATE WASHERS	
④	10-19-79	POST A & B, A572 GR. 50, & K	
②	11-28-78	"K" ③ 4-23-79 TYPE "E"	
①	5-4-78	T ₁ • T ₂ & W ₁	
NO.	DATE	REVISION	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
TYPE A, B, C, D, & E			
CONST. SPEC.	2011	DRAWN BY JPH	PLANS CK'D.
FTG. & SIGN SUPPORT DETAILS GROUND MOUNT BREAK-AWAY SIGNS			SHEET

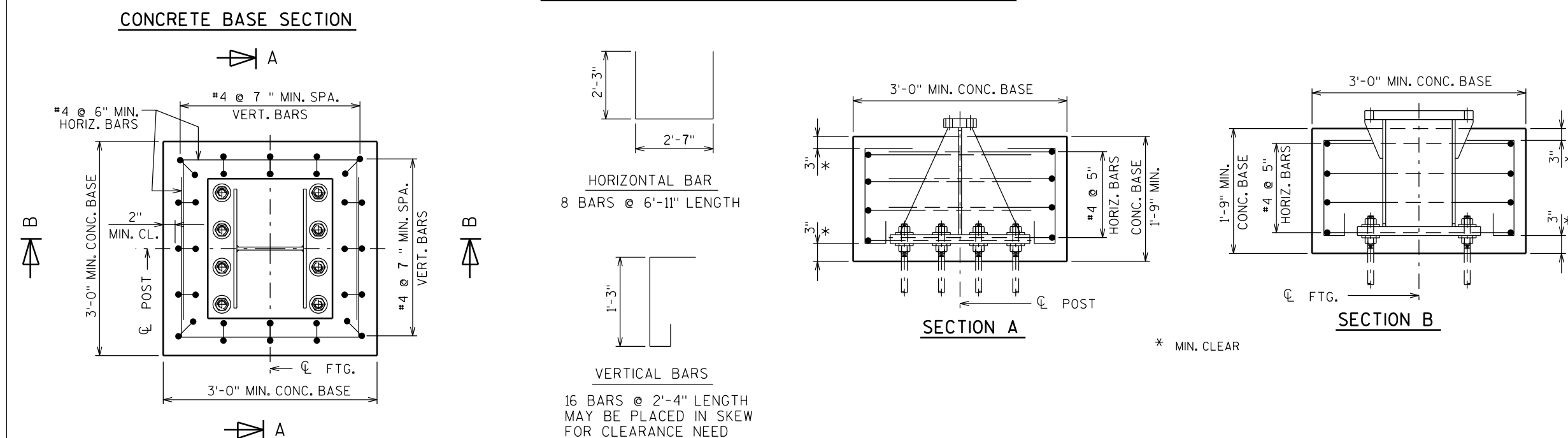
STUB AND MASONRY ANCHOR DETAILS



GENERAL NOTES

- Quantities per Base:
 - REINFORCING BAR STEEL = 62 LBS
 - CONCRETE = 0.6 C.Y.
 - STEEL WEIGHT = 335 LBS
- All materials, except anchor rod, nuts and washers, are to be A.S.T.M. A709 grade 50. All materials to be galvanized after fabrication.
- If the contractor encounters rock before reaching the footing depth, per the A3-1 Sign Detail, determine the pull-out capacity of a test adhesive anchor installed in the rock. If the test result equals or exceeds the pull-out capacity of 14,995 KIPS, the contractor may install the breakaway stub for rock, according to this detail.

CONCRETE BASE AND REINFORCING STEEL DETAILS



ALTERNATE BREAK-AWAY
BASE ON ROCK
A3-1M

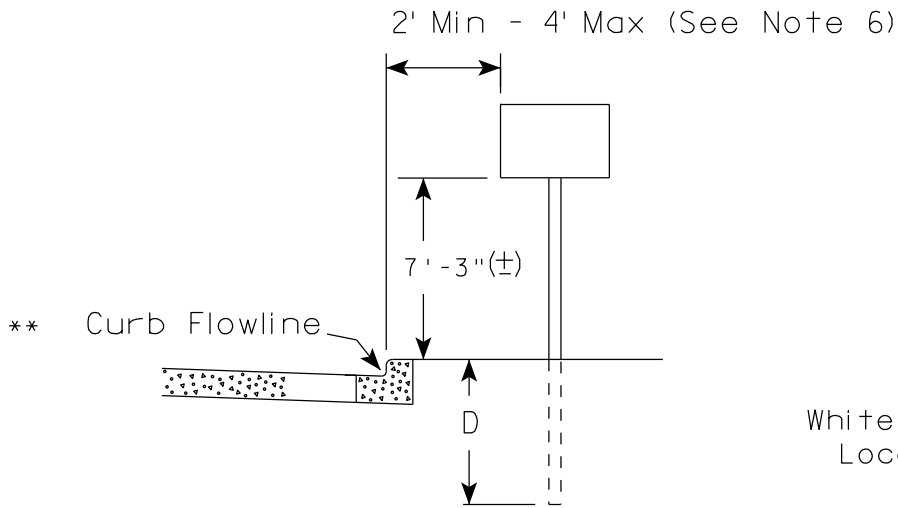
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*

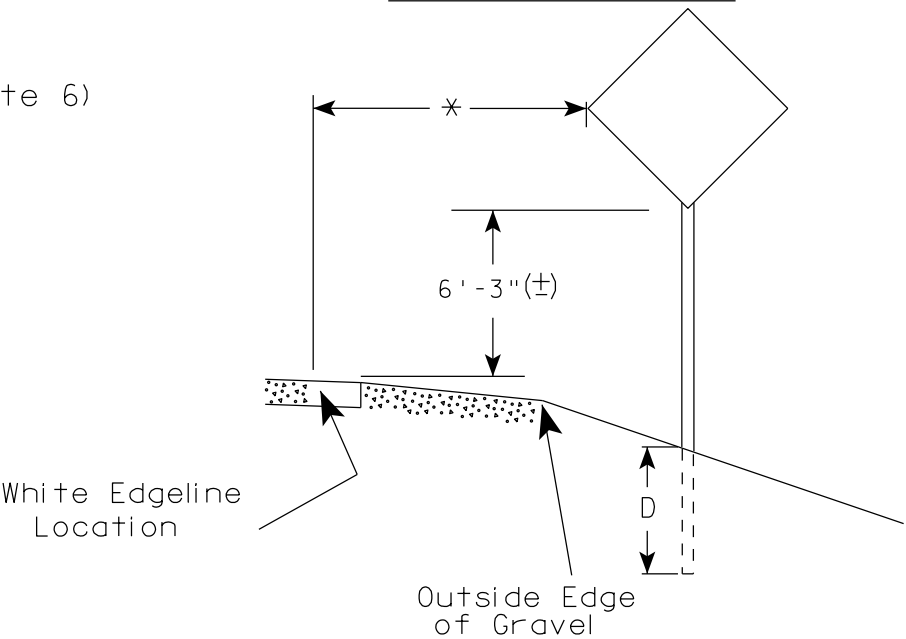
for State Traffic Engineer

DATE 2/06/2014 PLATE NO. A3-1M.1

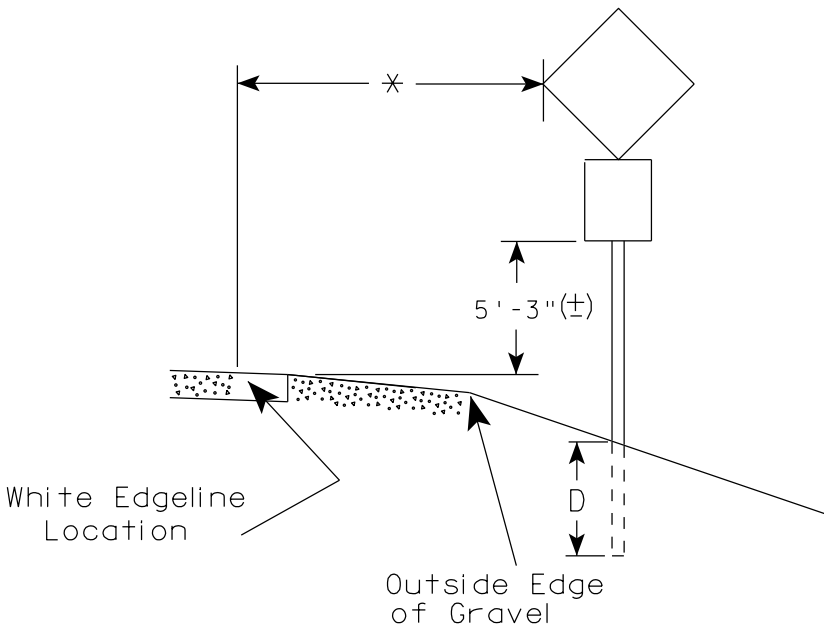
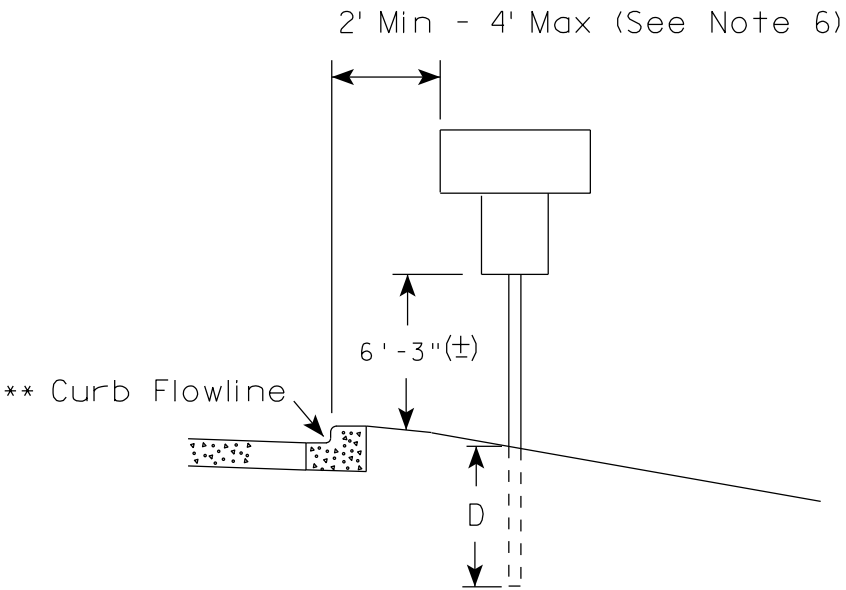
URBAN AREA



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.

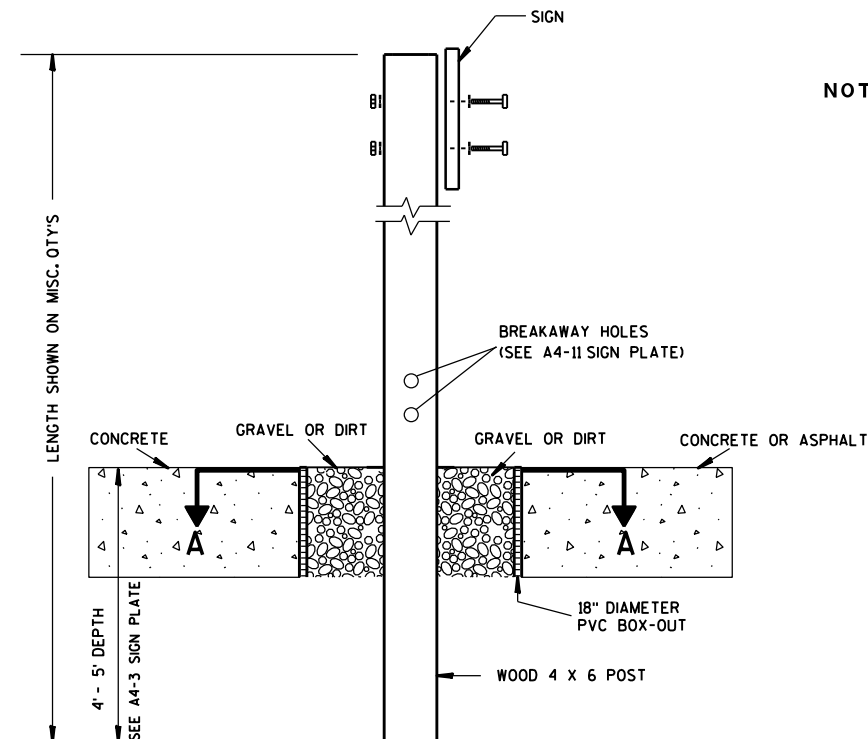
* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

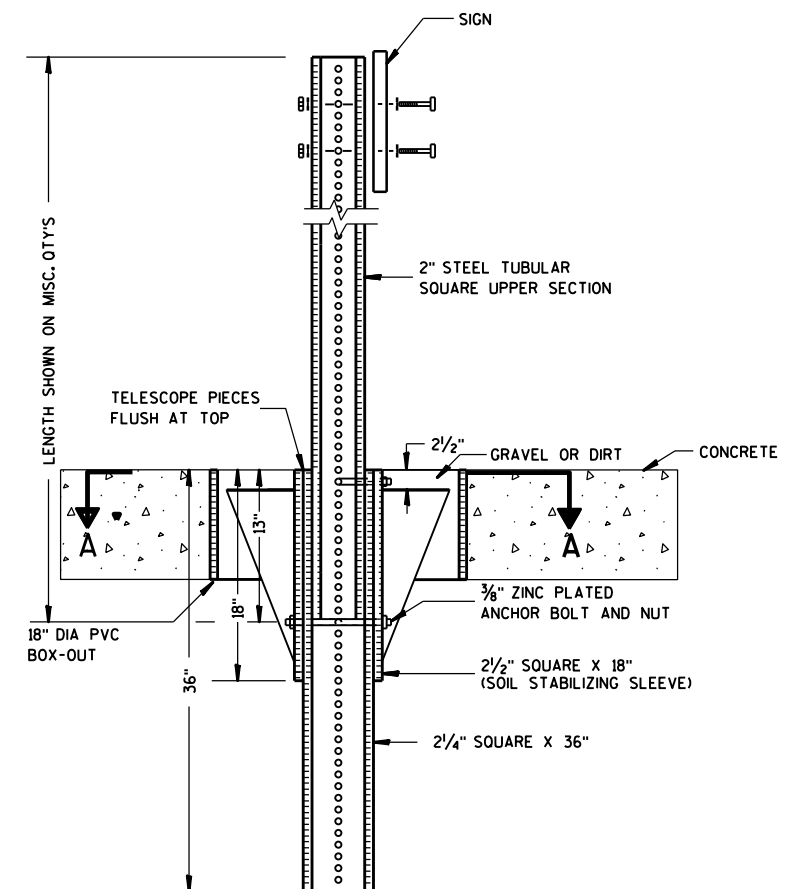
DATE 7/23/15 PLATE NO. A4-3.20



ELEVATION VIEW

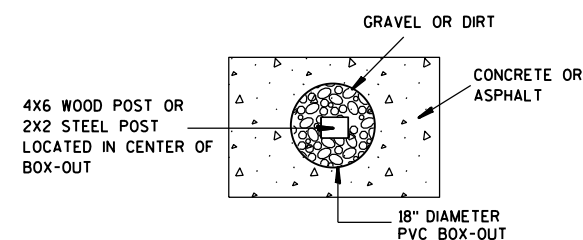
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- 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

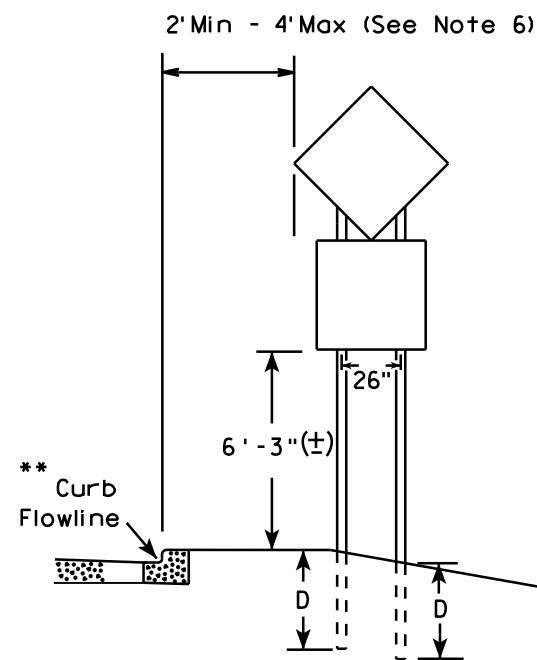
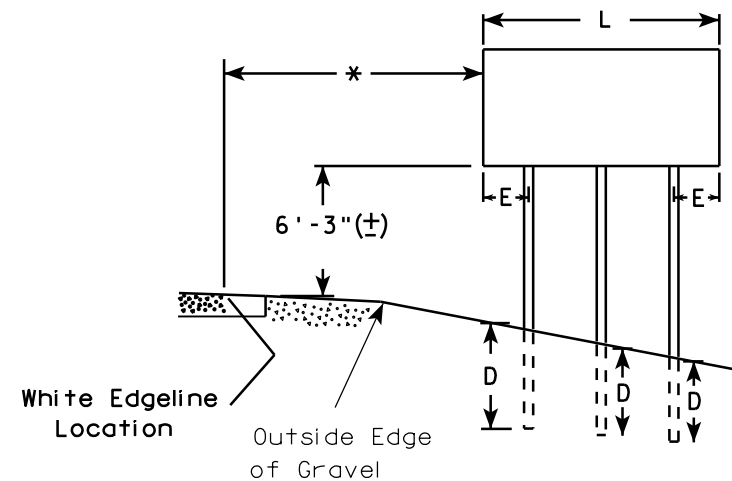
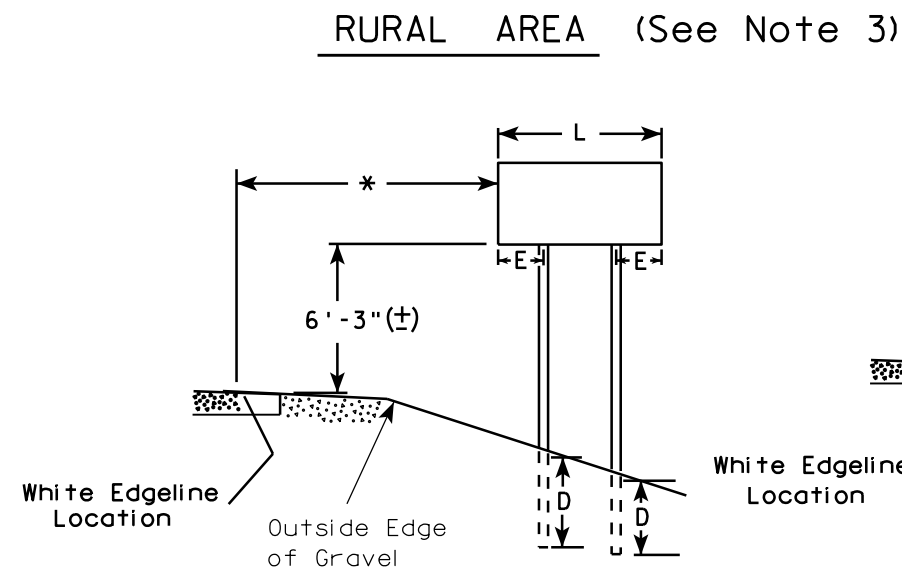
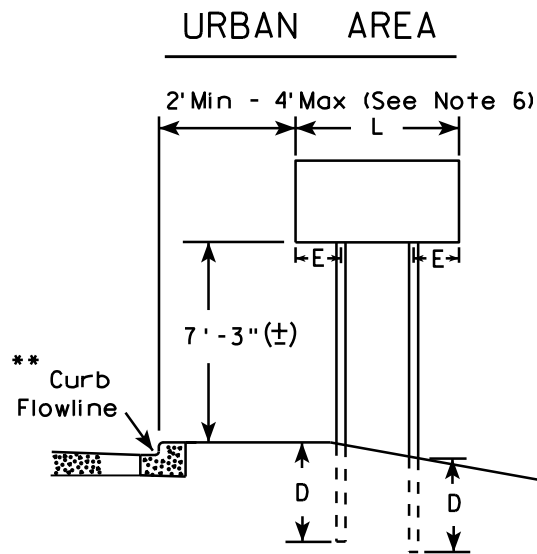
FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST
BOX-OUTS
A4-3B

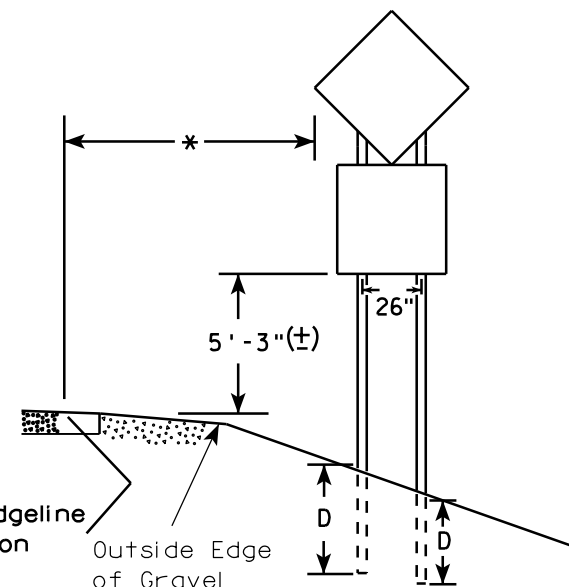
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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



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'

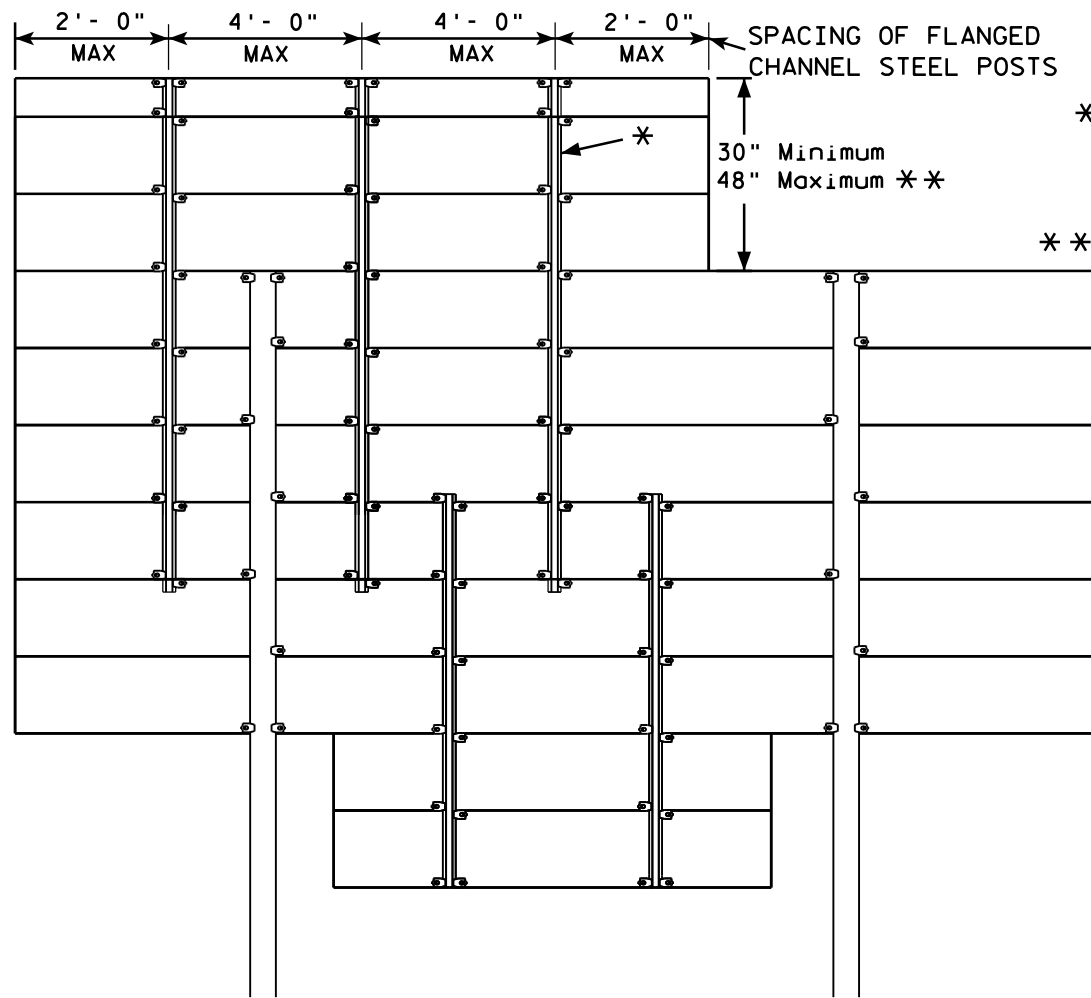
TYPICAL INSTALLATION
OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

GROUND MOUNTED SIGN

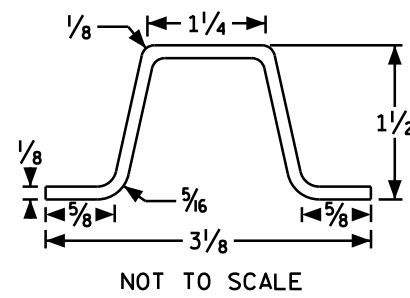


* = 2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

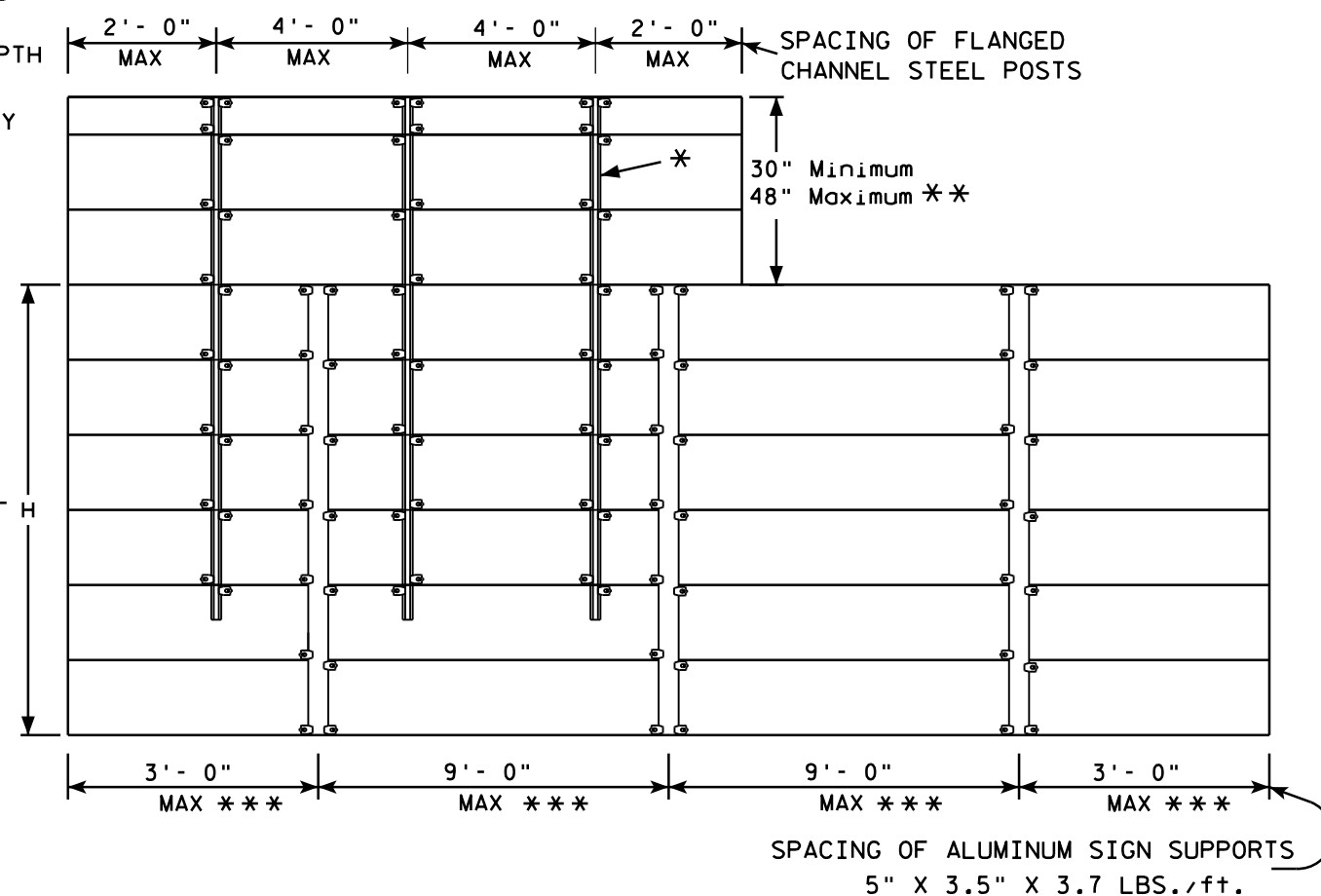
** = FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

*** THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 16 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 16 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAIL



SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:
PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
PANEL LENGTH 9'-0" - 12'-0" = 3 CHANNELS
PANEL LENGTH 13'-0" OR MORE = 4 CHANNELS
If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.

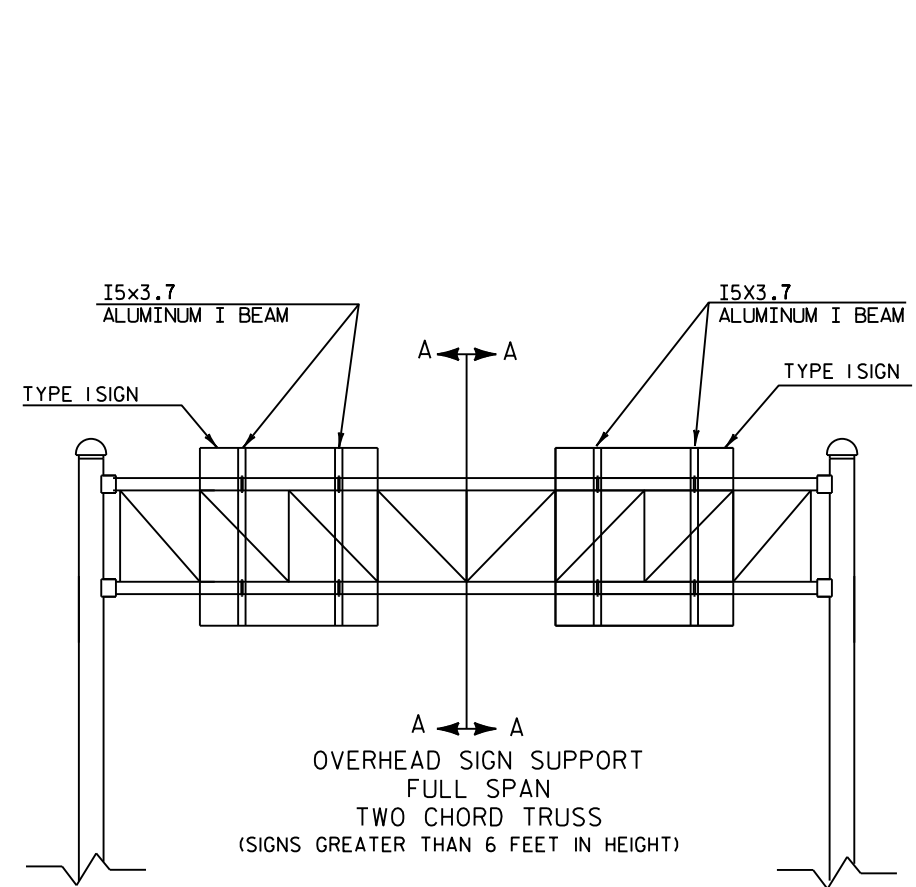
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

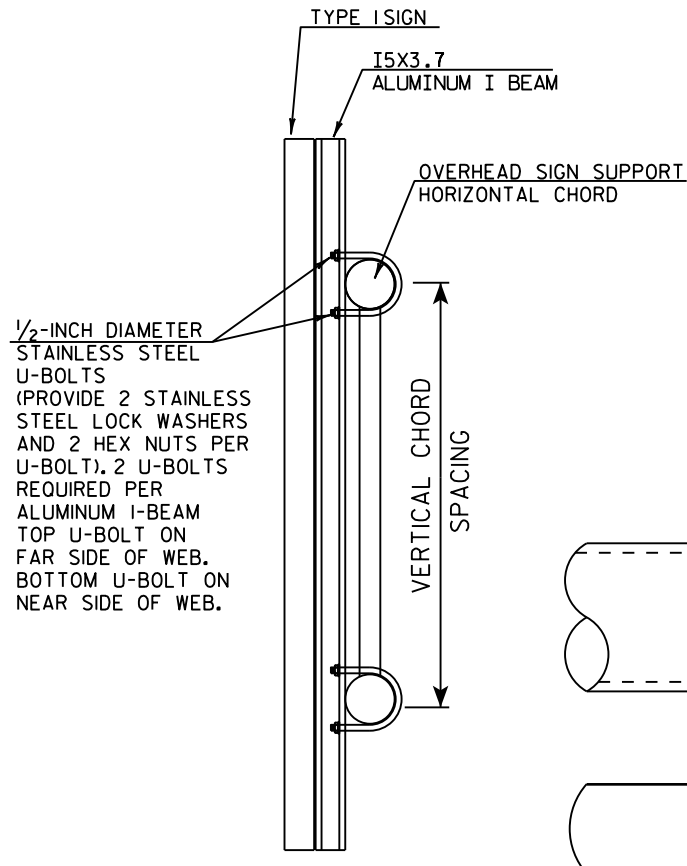
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

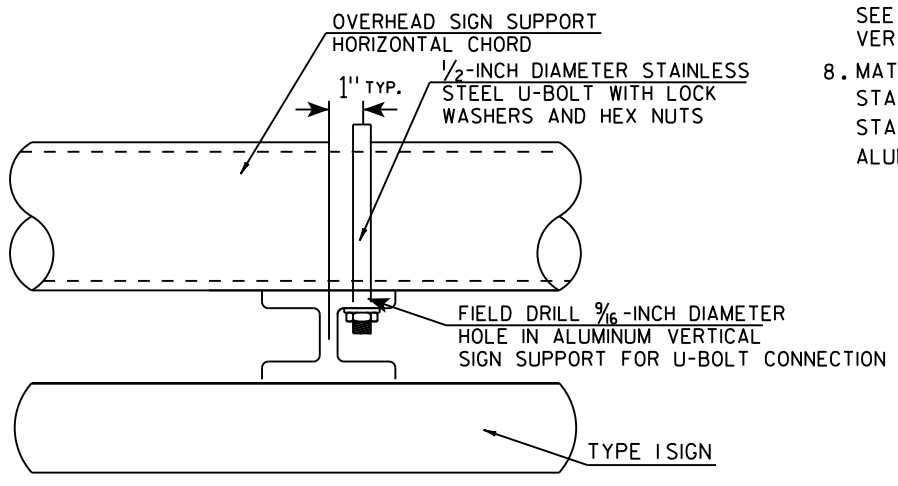
DATE 12/05/13 PLATE NO. A4-6.12



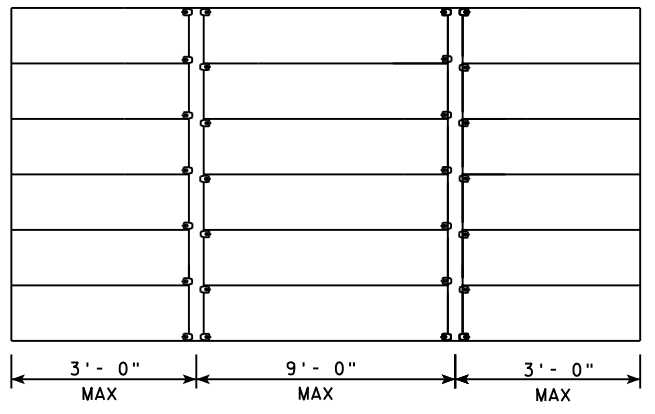
OVERHEAD SIGN SUPPORT
FULL SPAN
TWO CHORD TRUSS
(SIGNS GREATER THAN 6 FEET IN HEIGHT)



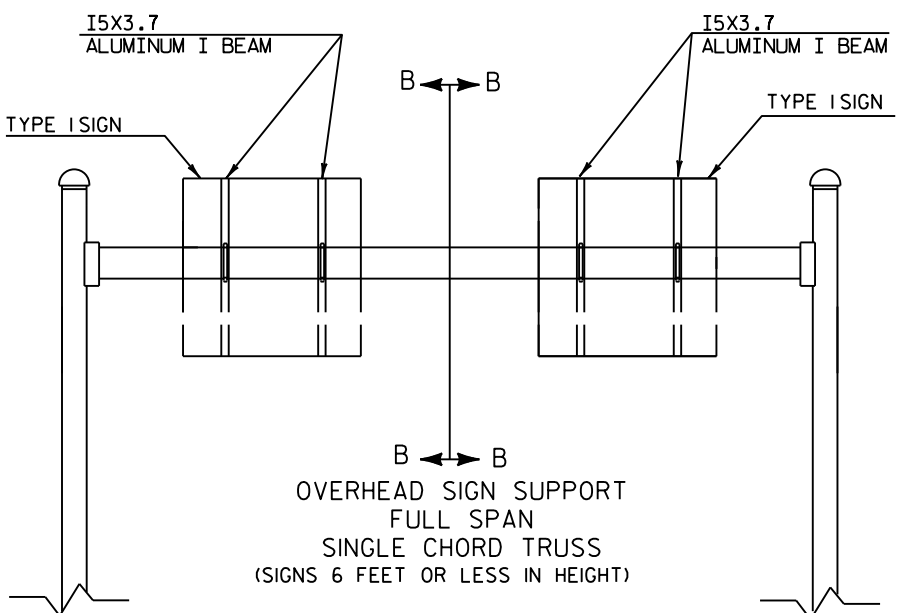
CUT SECTION A-A



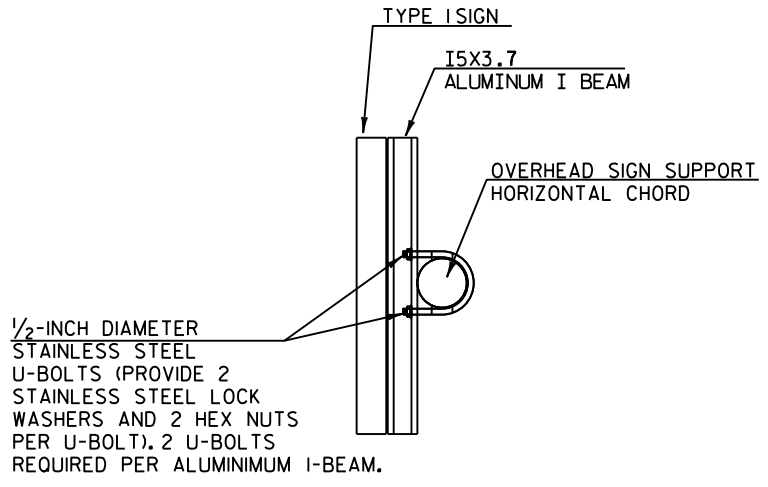
TYPICAL SIGN CONNECTION FOR
TWO CHORD TRUSS
PLAN VIEW



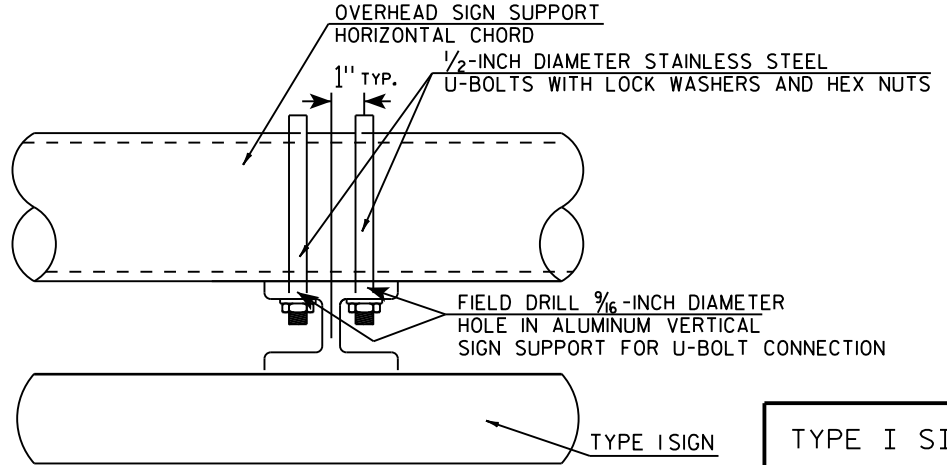
SPACING OF I5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
SINGLE CHORD TRUSS
(SIGNS 6 FEET OR LESS IN HEIGHT)



CUT SECTION B-B

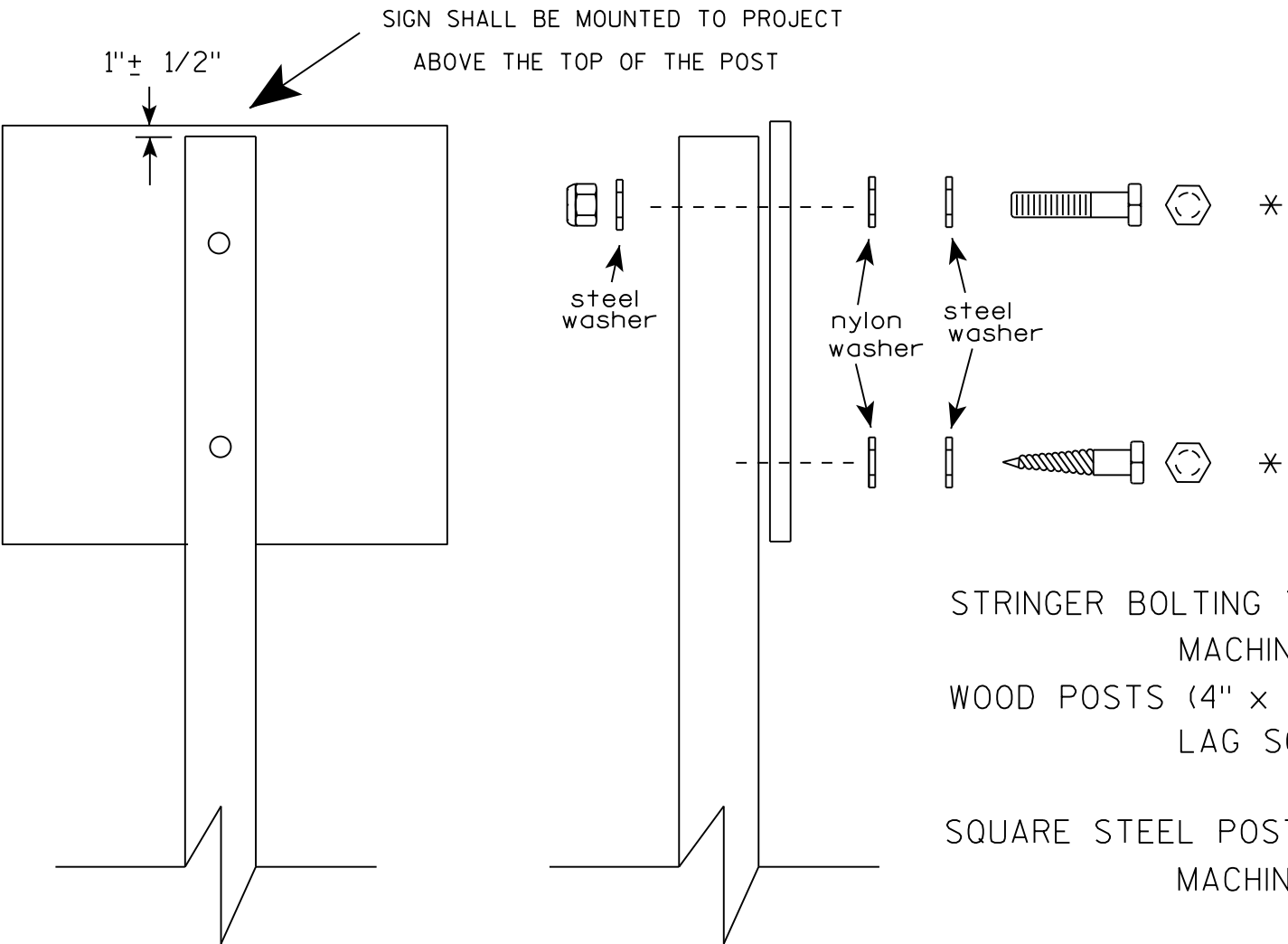


TYPICAL SIGN CONNECTION FOR
SINGLE CHORD TRUSS
PLAN VIEW

- GENERAL NOTES**
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
 2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
 3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
 4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
 5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
 6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
 7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
 8. MATERIAL NOTES:
STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
STAINLESS STEEL HEX NUTS ASTM A276.
ALUMINUM I-BEAMS ARE 6061-T6.

TYPE I SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 11/10/15 PLATE NO. A4-7.4



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.

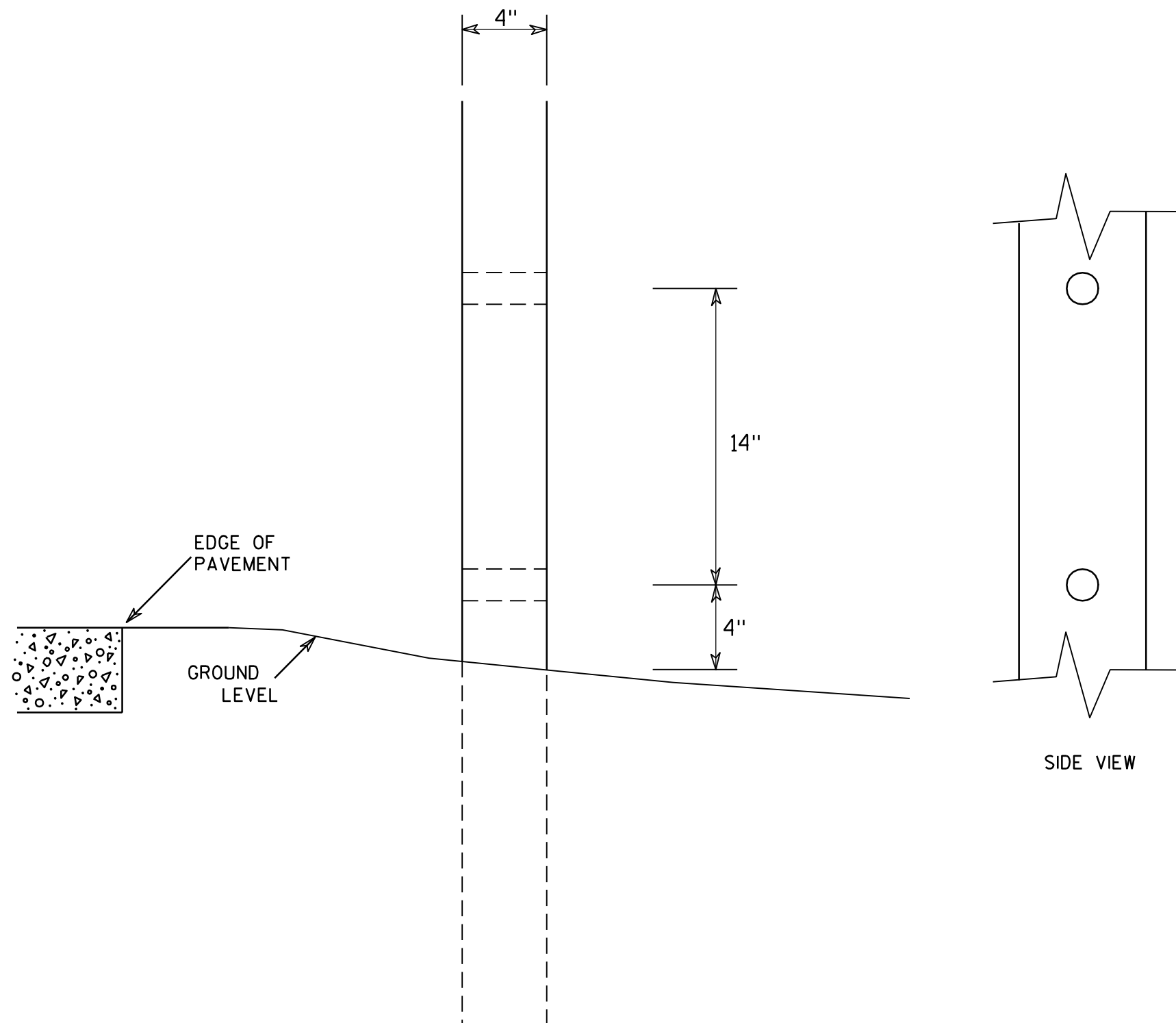
Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- 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

7



GENERAL NOTES

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

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 3/27/97

PLATE NO. A4-11.2

PROJECT NO:

HWY:

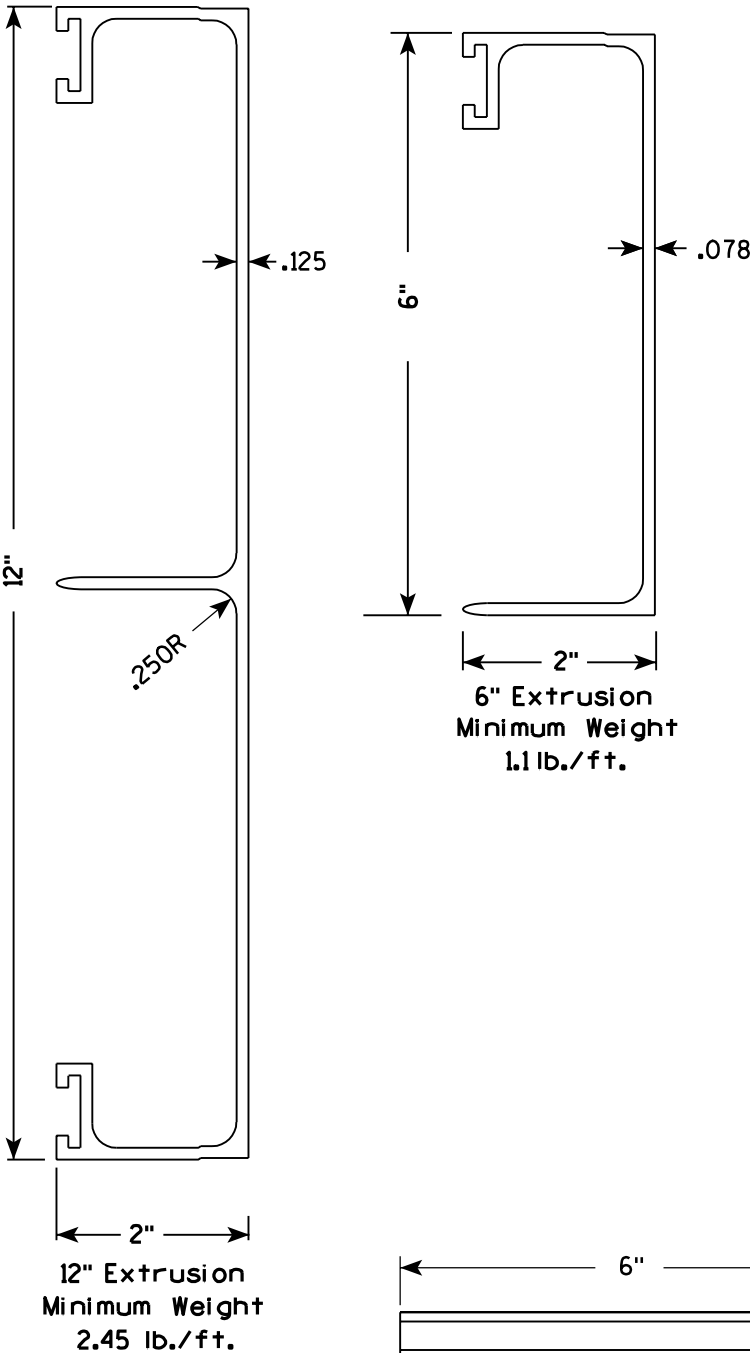
COUNTY:

SHEET NO:

E

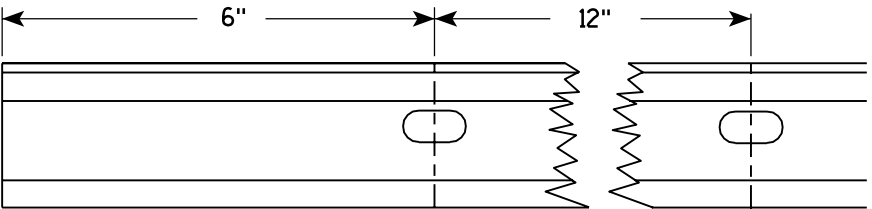
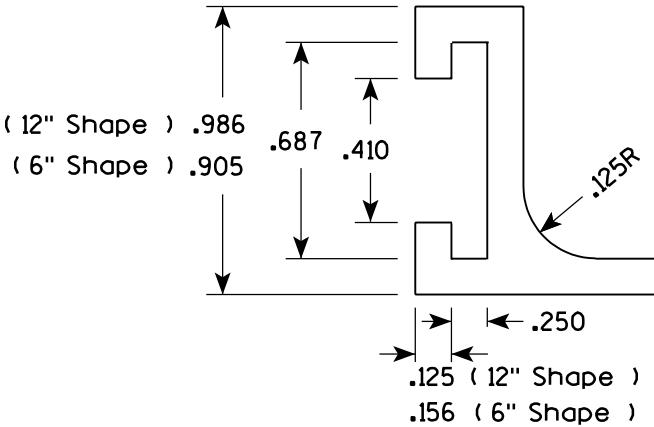
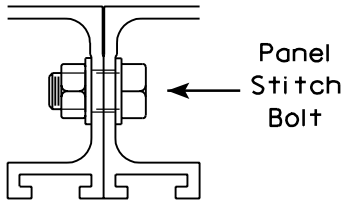
Extruded Shape

Hardware

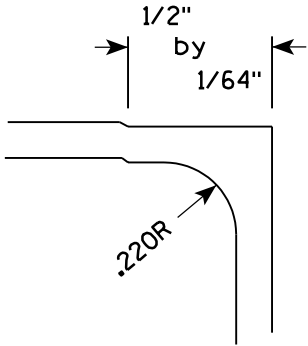


STITCH BOLT, WASHER & NUT

The hardware includes:
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy

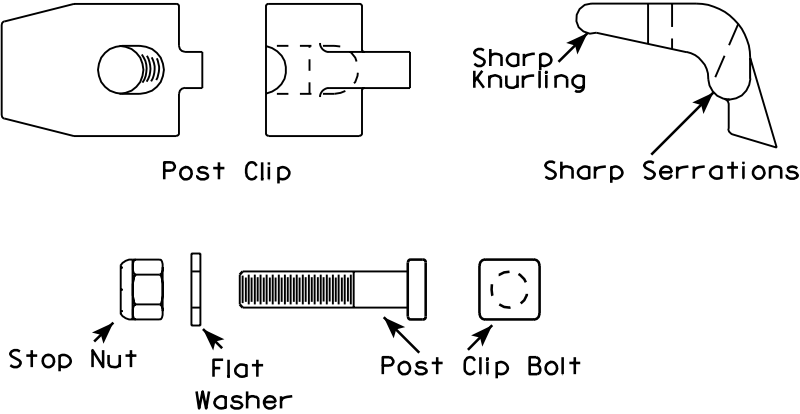


Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.



POST CLIP, POST CLIP BOLT, WASHER & NUT

Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.



NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.

ALUMINUM EXTRUSIONS FOR
TYPE I SIGNS

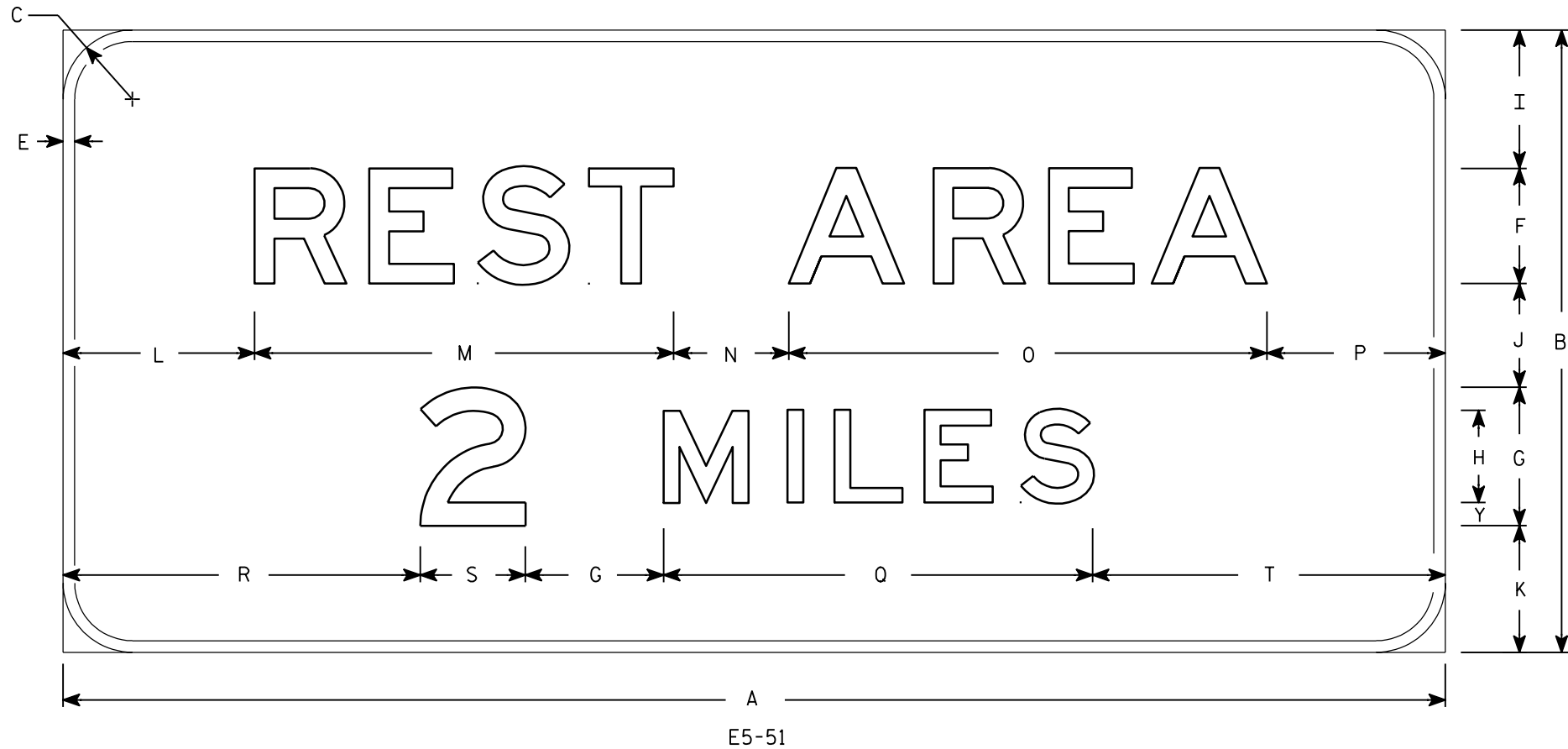
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Chester J. Spang*
for State Traffic Engineer
DATE 11/18/99 PLATE NO. A5-2.9

PROJECT NO:

SHEET NO:

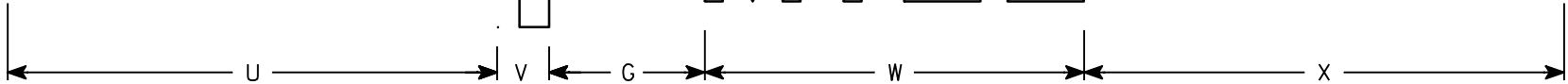
E



NOTES

- 1. Sign is Type I - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
 - Background - Blue
 - Message - White
- 3. Message Series - E
- 4. Substitute appropriate numeral and adjust spacing to achieve proper balance.

1 MILE



Metric equivalent
for this sign is:

SIZE	
1	
2	
3	
4	3000 mm X 1350 mm
5	3600 mm X 1500 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m ²
1																												
2																												
3																												
4	120	54	6		1	10	12	8	12	9	11	16 5⁄8	36 3⁄8	10	41 1⁄2	15 1⁄2	37 1⁄4	31	9 1⁄8	30 5⁄8	37 3⁄4	4	29 1⁄4	37	2		45.0	4.05
5	144	60	6		2	12	15	10	12	10	11	19 3⁄4	44 3⁄4	12	49 1⁄2	18	46 1⁄4	36	11	35 3⁄4	44	4 7⁄8	36 1⁄4	43 7⁄8	2 1⁄2		60.0	5.40

STANDARD SIGN
E5-51

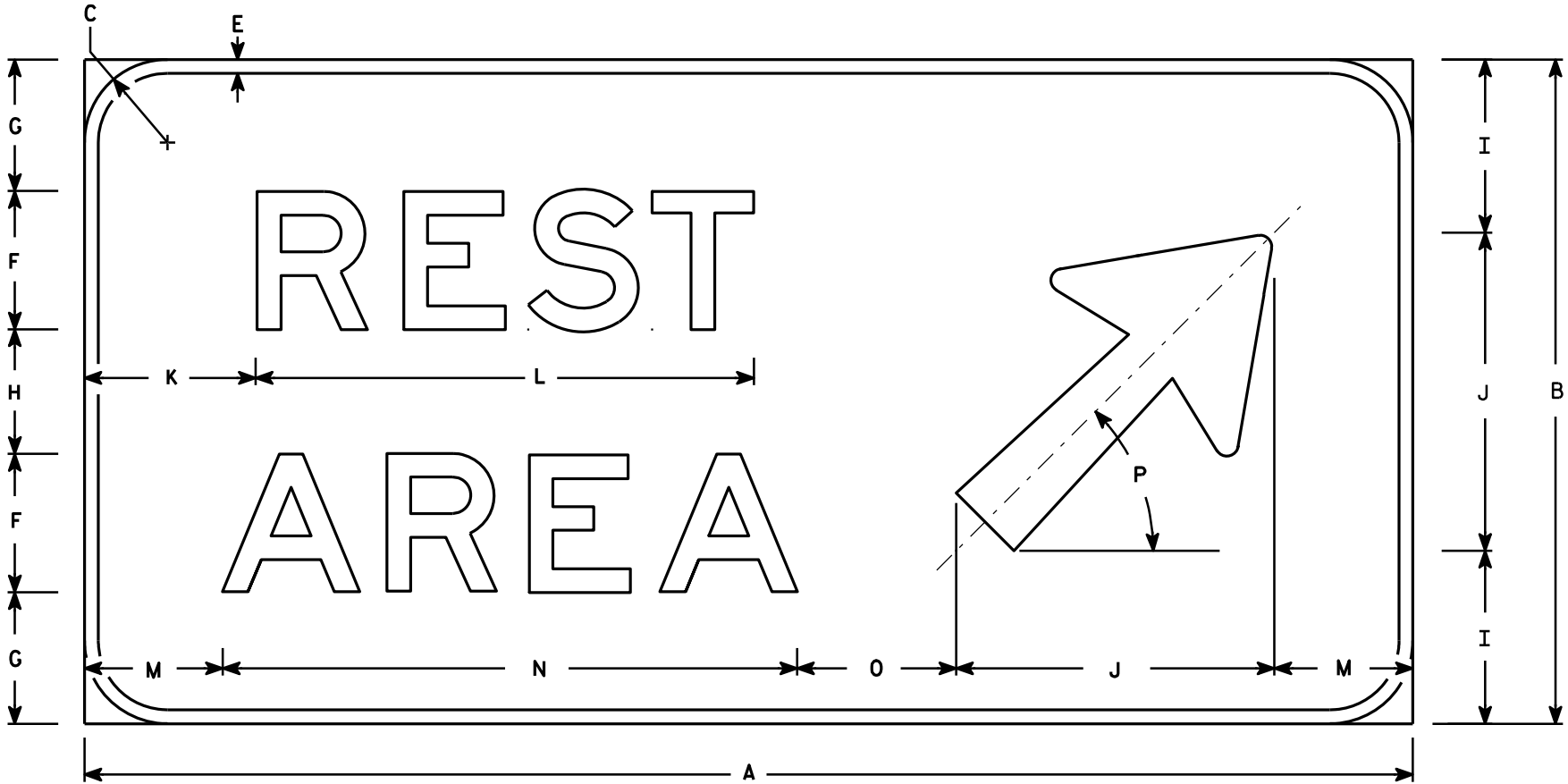
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*
for State Traffic Engineer

DATE 12/8/08 PLATE NO. E5-51.8

NOTES

- 1. Sign is Type I - Type SH Reflective - reference WIS DOT Standard Specification for ROAD and BRIDGE CONSTRUCTION latest edition.
- 2. Color:
 - Background - Blue
 - Message - White
- 3. Message Series - E
- 4. Arrow is standard Interstate Type A.



E5-52

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																											
3																											
4	96	48	6		1	10	9 1/2	9	12 1/2	23	12 3/8	36 3/8	10	41 1/2	11 1/2	45°											32.0
5	144	54	6		2	15	8	8	13	28	20 1/4	62	16 1/4	68	15 1/2	45°											54.0

STANDARD SIGN
E5-52

WISCONSIN DEPT OF TRANSPORTATION

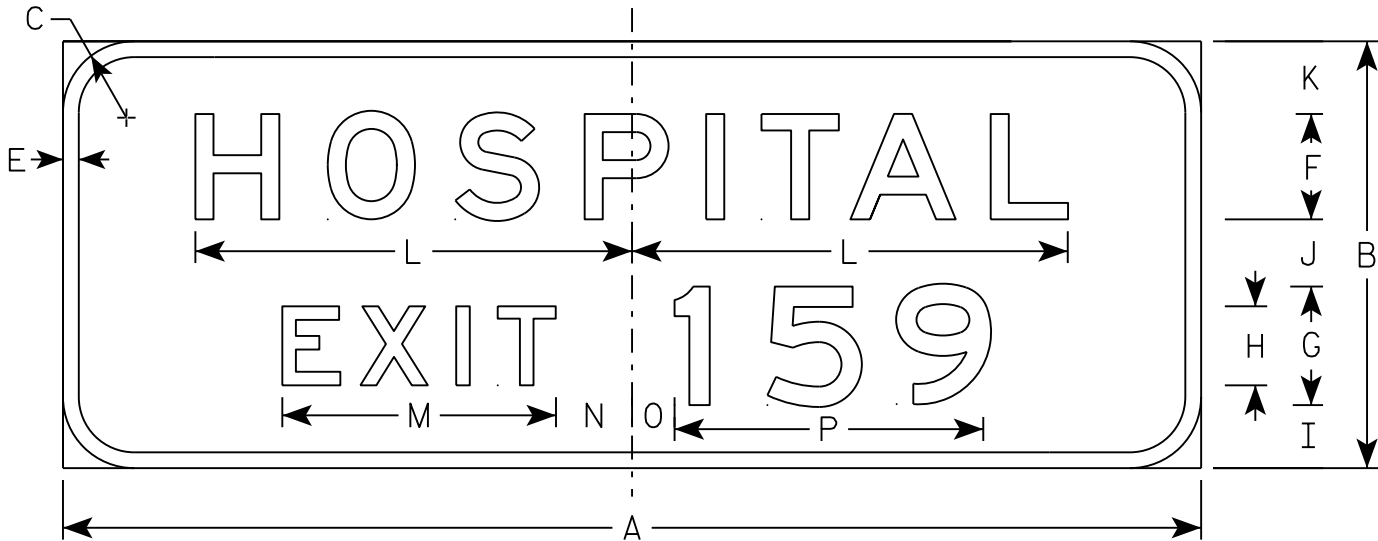
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 1/30/13 PLATE NO. E5-52.11

PROJECT NO: HWY: COUNTY: SHEET NO: E

NOTES

- 1. Sign is Type I - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Blue
Message - White
- 3. Message Series - E
- 4. Apply proper Exit Numbers and letters, optically adjust spacing to achieve proper balance.



E10-61

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																											
3																											
4	144	54	9		2	13 ³ / ₈	15	10	8	8 ¹ / ₂	9 ¹ / ₄	55 ¹ / ₄	34 ⁵ / ₈	9 ⁵ / ₈	5 ³ / ₈	39											54
5	144	54	9		2	13 ³ / ₈	15	10	8	8 ¹ / ₂	9 ¹ / ₄	55 ¹ / ₄	34 ⁵ / ₈	9 ⁵ / ₈	5 ³ / ₈	39											54

TYPICAL SIGNS

E10-61

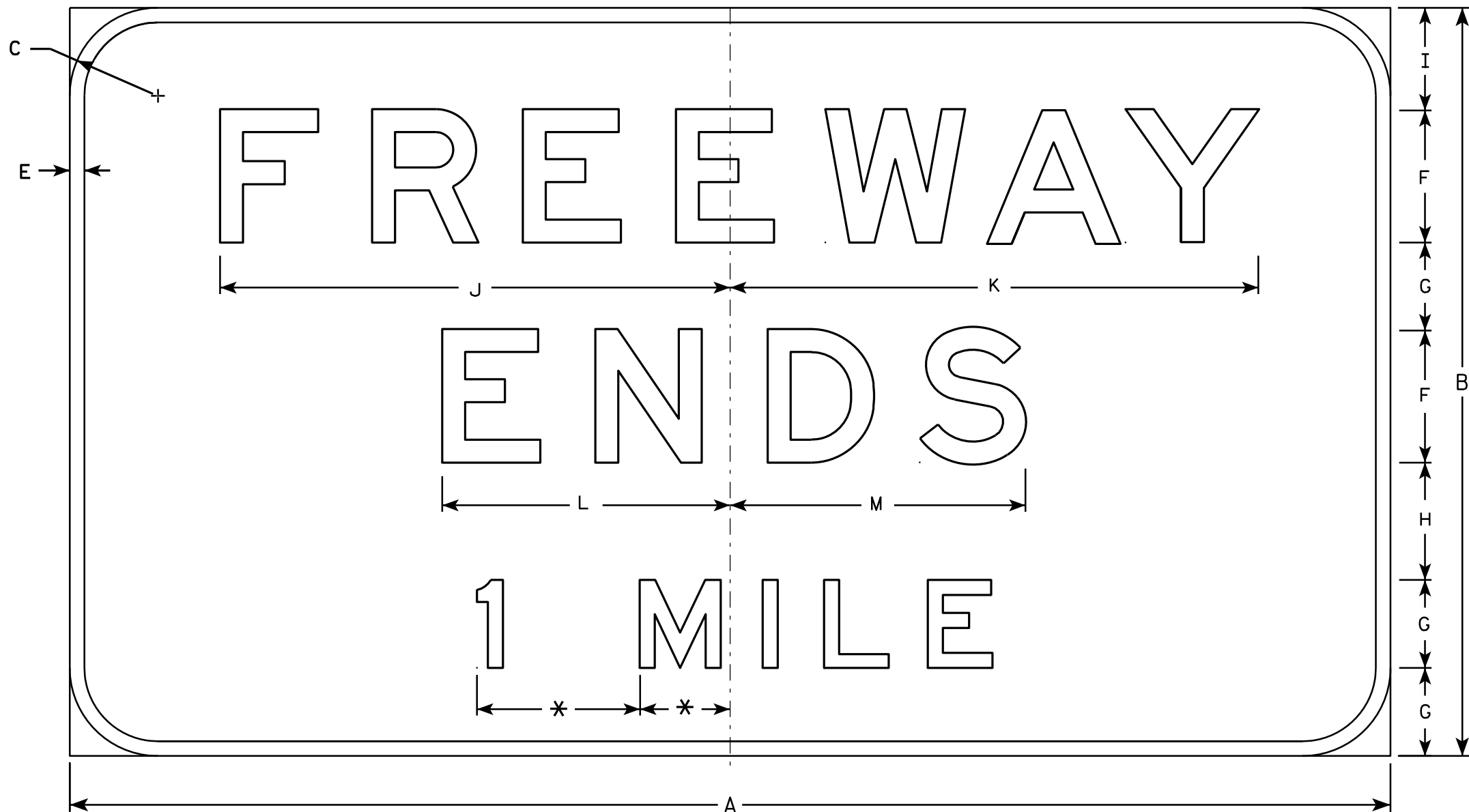
WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
for State Traffic Engineer

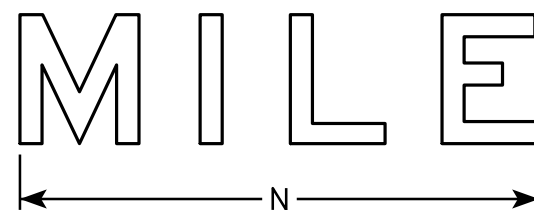
DATE 9/24/15

PLATE NO. E10-61.3



W19-1

* Varies



NOTES

1. Sign is Type I - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Yellow
Message - Black - Non Reflective
3. Message Series - E
4. 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																											
2																											
3																											
4	180	102	12	2		18	12	16	14	69 1/2	72	39 1/4	40 1/4	48 1/4													127.5
5	180	102	12	2		18	12	16	14	69 1/2	72	39 1/4	40 1/4	48 1/4													127.5

**STANDARD SIGN
W19-1**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W19-1.2

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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Notes



Wisconsin Department of Transportation

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through innovation and exceptional service.

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