

PROJECT ID: 1000-20-73
WITH:

COUNTY: STATEWIDE

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 = 84



DESIGN DESIGNATION

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

CONVENTIONAL SYMBOLS

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

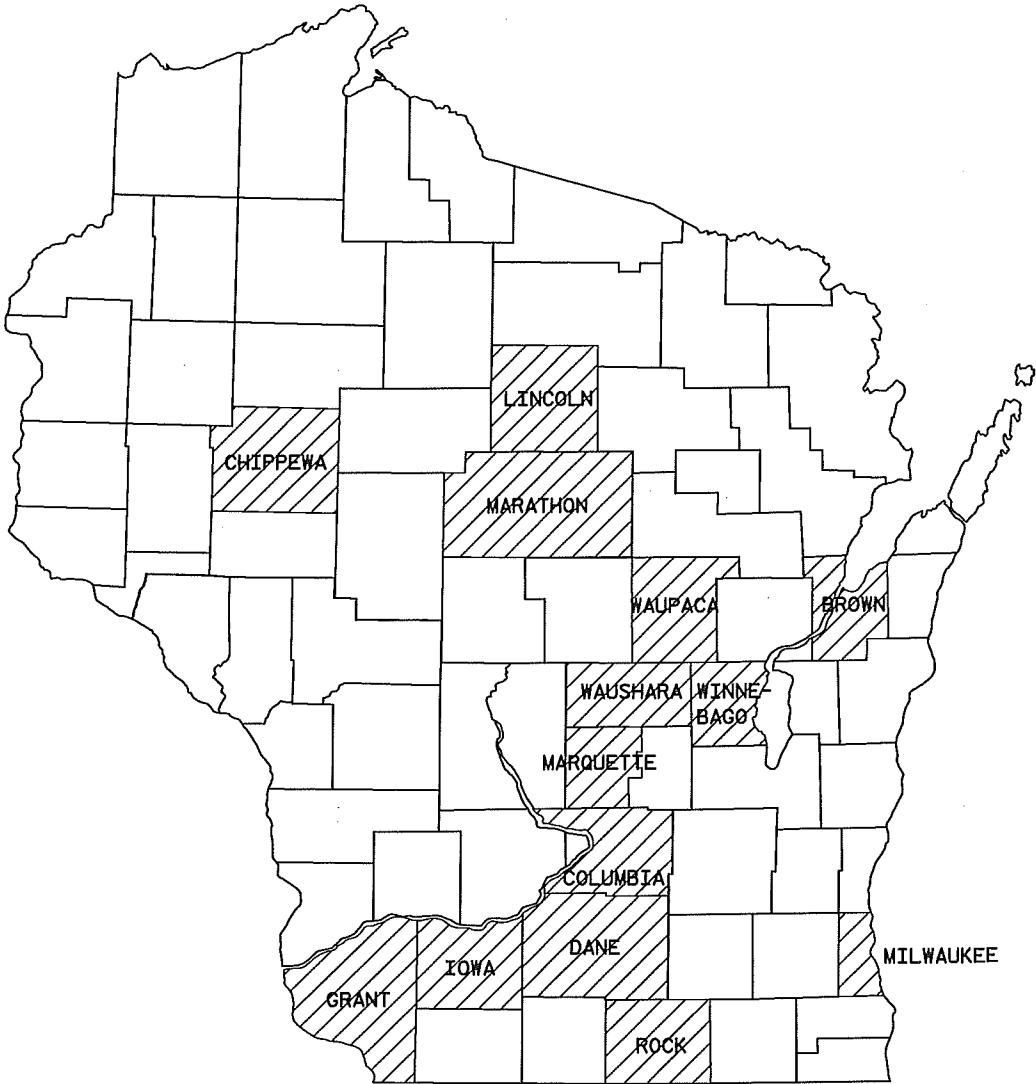
PROFILE	
GRADE LINE	----
ORIGINAL GROUND	----
MARSH OR ROCK PROFILE (To be noted as such)	----
SPECIAL DITCH	----
GRADE ELEVATION	95.36
CULVERT (Profile View)	----
UTILITIES	
ELECTRIC	----
FIBER OPTIC	----
GAS	----
SANITARY SEWER	----
STORM SEWER	----
TELEPHONE	----
WATER	----
UTILITY PEDESTAL	----
POWER POLE	----
TELEPHONE POLE	----

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATEWIDE TYPE I SIGN REPLACEMENT
VARIOUS HIGHWAYS
NON HWY
STATEWIDE

STATE PROJECT NUMBER
1000-20-73



LAYOUT
SCALE 0 MI.
TOTAL NET LENGTH OF CENTERLINE = MI.

HORIZONTAL POSITIONS SHOWN ARE WISCONSIN COUNTY COORDINATES, countyname 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 PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1000-20-73		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	
Designer	JAY HILLE
Project Manager	MATT RAUCH
Regional Examiner	
Regional Supervisor	TRAVIS FELTES
C.O. Examiner	

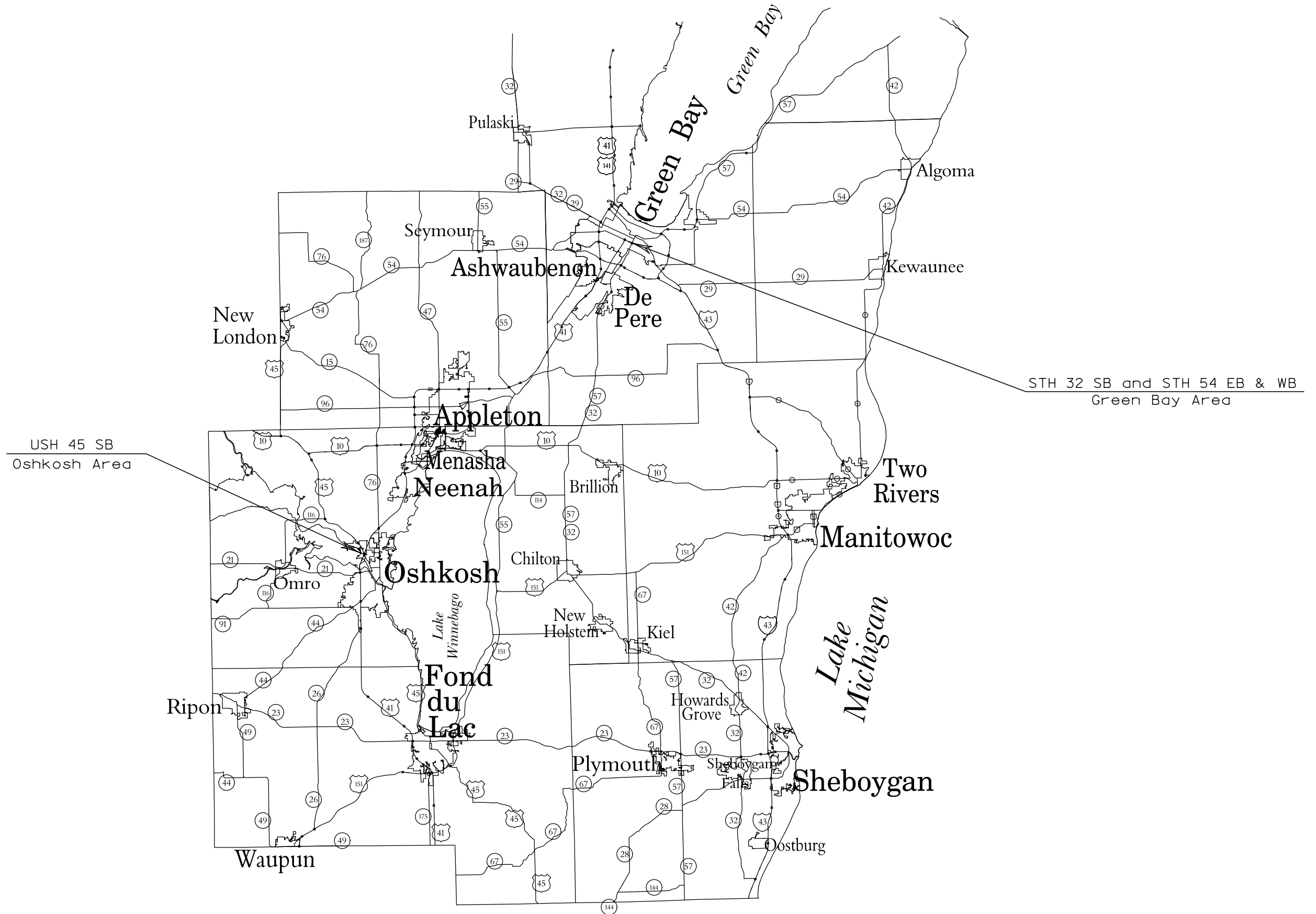
APPROVED FOR THE DEPARTMENT
DATE: 2/16/15
(Signature)

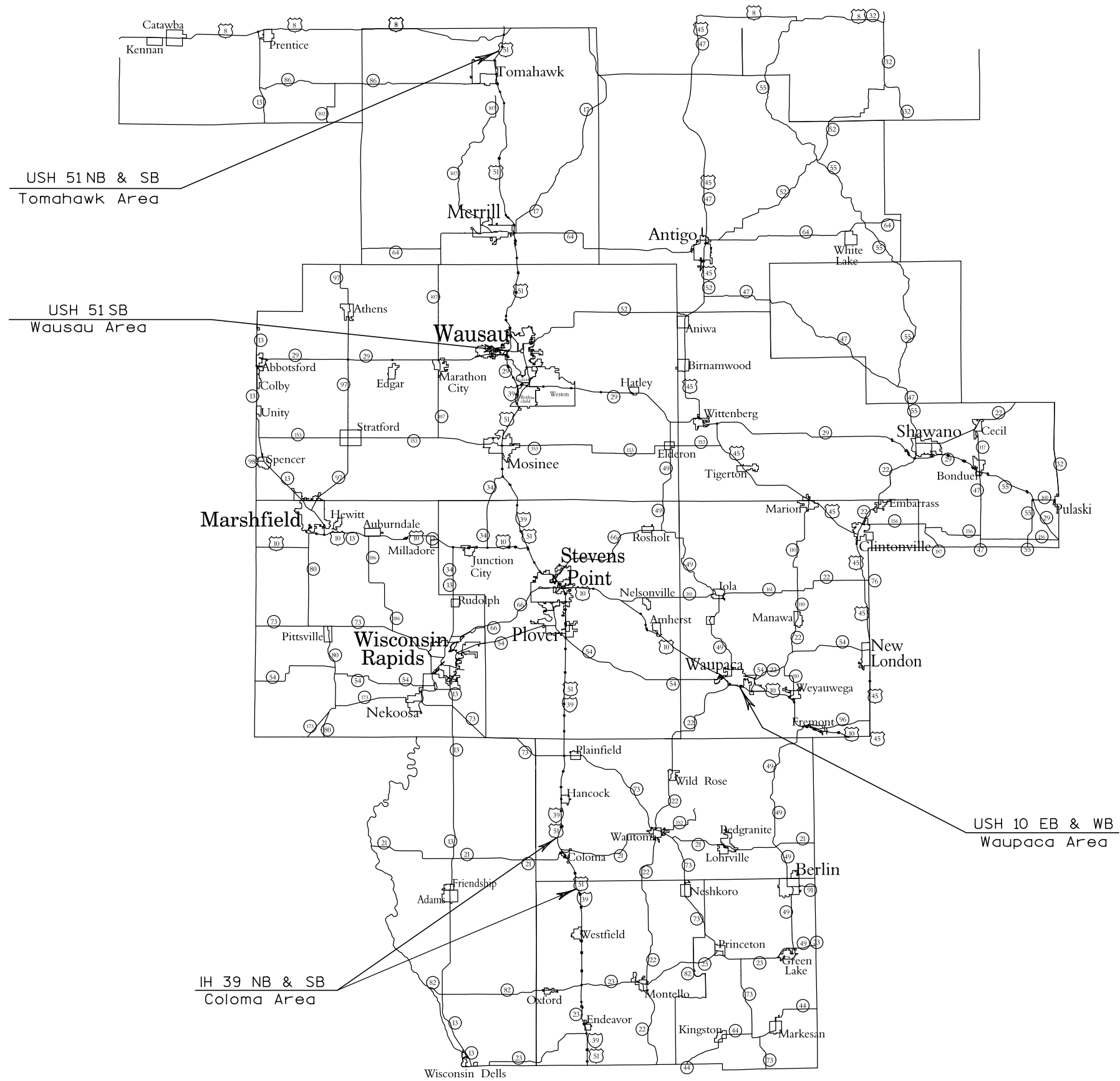
GENERAL NOTES

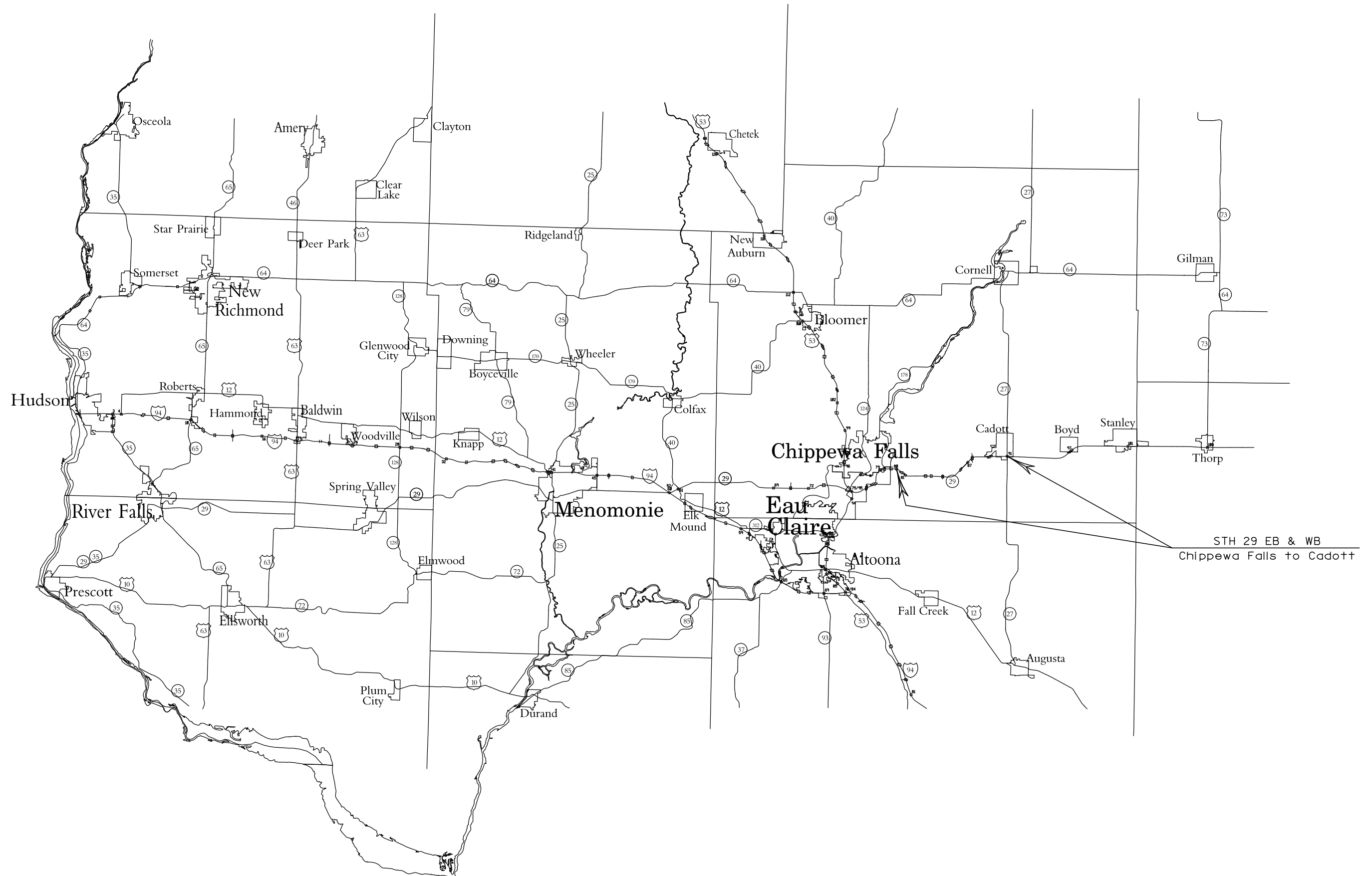
THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OR DIGGERS HOTLINE.

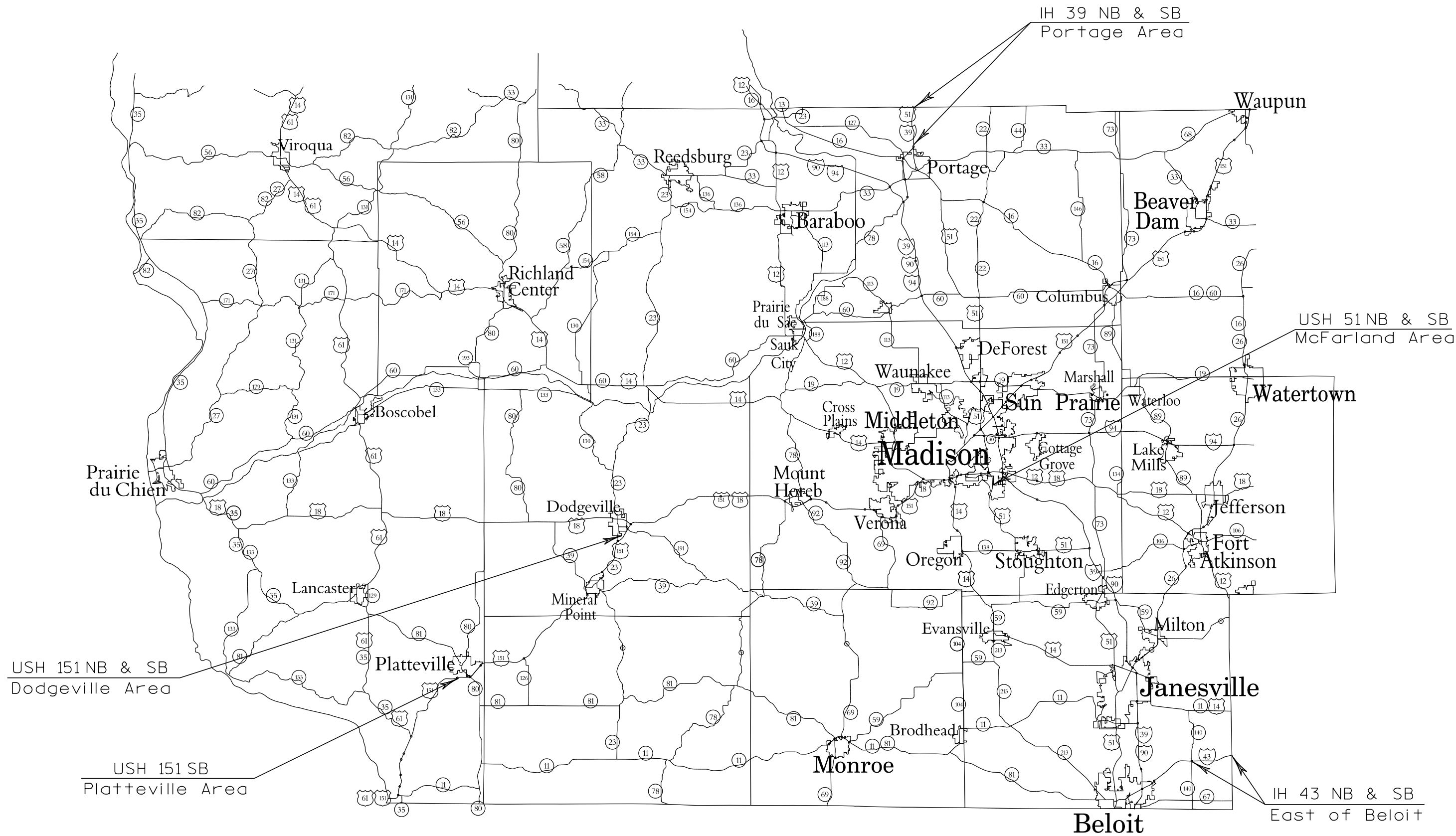


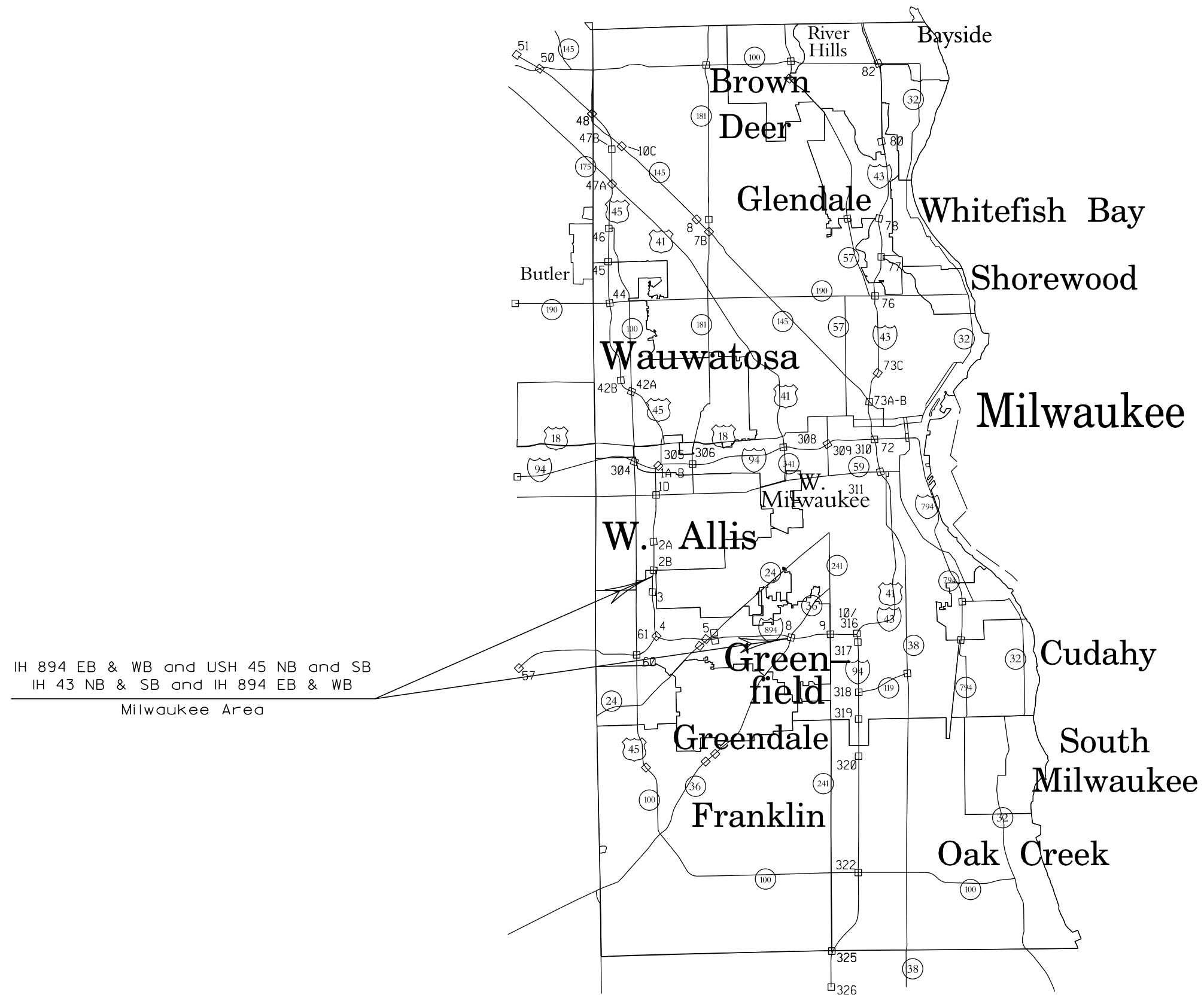
Dial 811 or (800) 242-8511
www.DiggersHotline.com

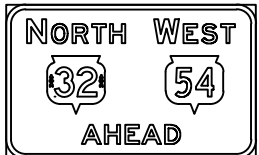












STH 32/STH 54/MASON ST

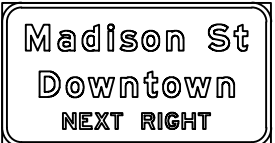
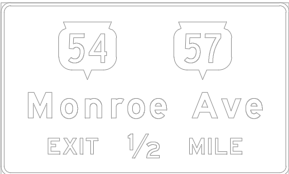
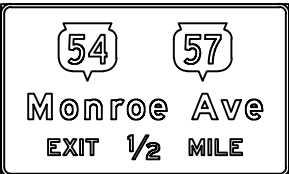
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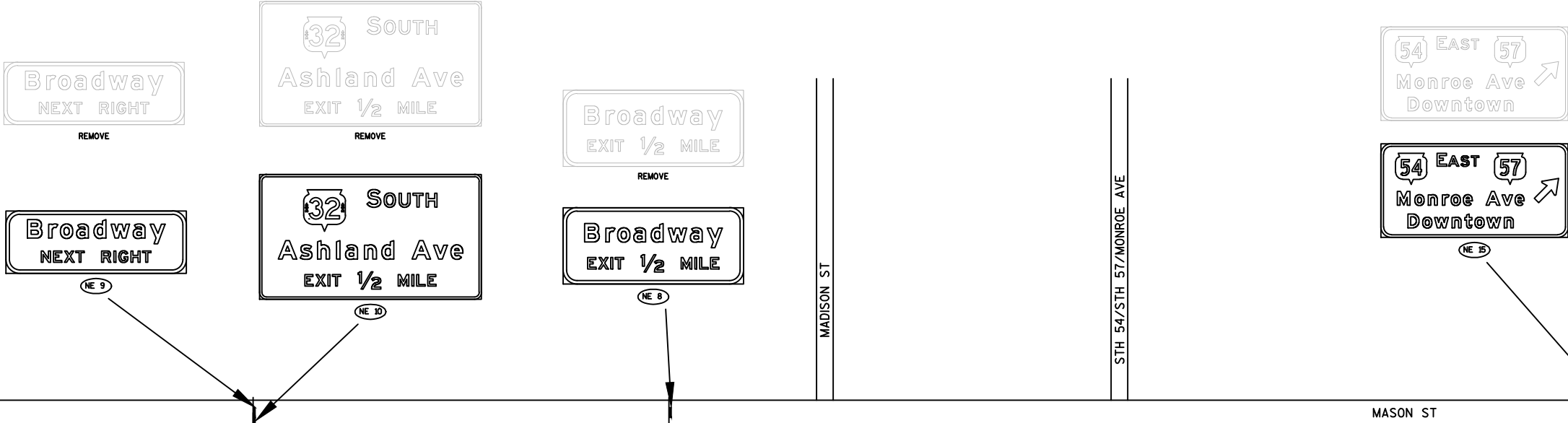
ASHLAND AVE

STH 32/ASHLAND AVE

BROADWAY

BROADWAY







LEGEND

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-  EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
-  PROPOSED SIGN MOUNTED ON POST(S)
-  PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
-  VARIABLE MESSAGE SIGN
-  EXISTING LIGHT OR SIGNAL POLE
-  SIGN BRIDGE
-  CANTILEVER SIGN BRIDGE
-  (X) DENOTES SIGN NUMBER
-  (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



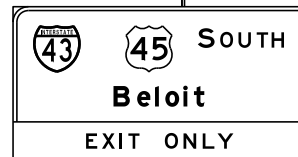
COLDSPRING ROAD

S-40-835
(EXISTING)S-40-805
EXISTING

IH 894

IH 894

EXIT 4

ESTR
(41 CONVERSION PROJECT)ESTR
(NEW SH SHEETING)

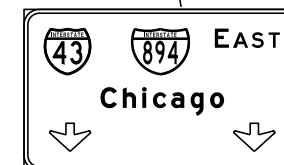
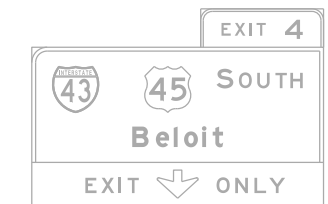
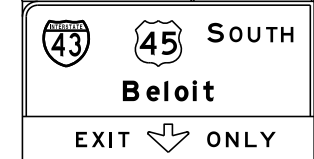
EXIT 3

Beloit Rd
3/4 MILE

8A

8

EXIT 4

ESTR
(41 CONVERSION PROJECT)

REMOVE

9A

9

SHEET 1 OF 20

PROJECT NO:1000-20-73

HWY: IH 894

COUNTY: MILWAUKEE

SIGNING PLAN

SHEET

E

LEGEND

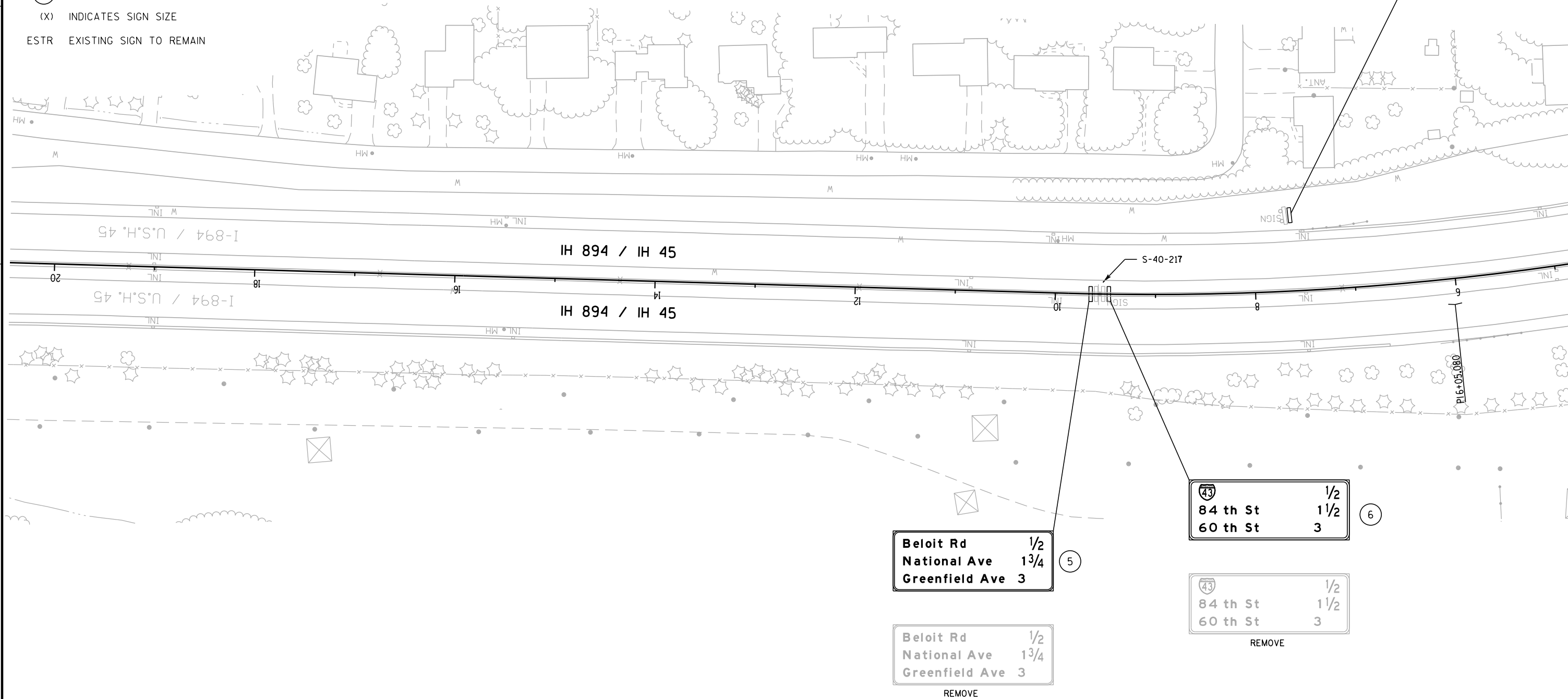
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-  PROPOSED SIGN MOUNTED ON POST(S)
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-  CANTILEVER SIGN BRIDGE
-  (X) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



REMOVE



7

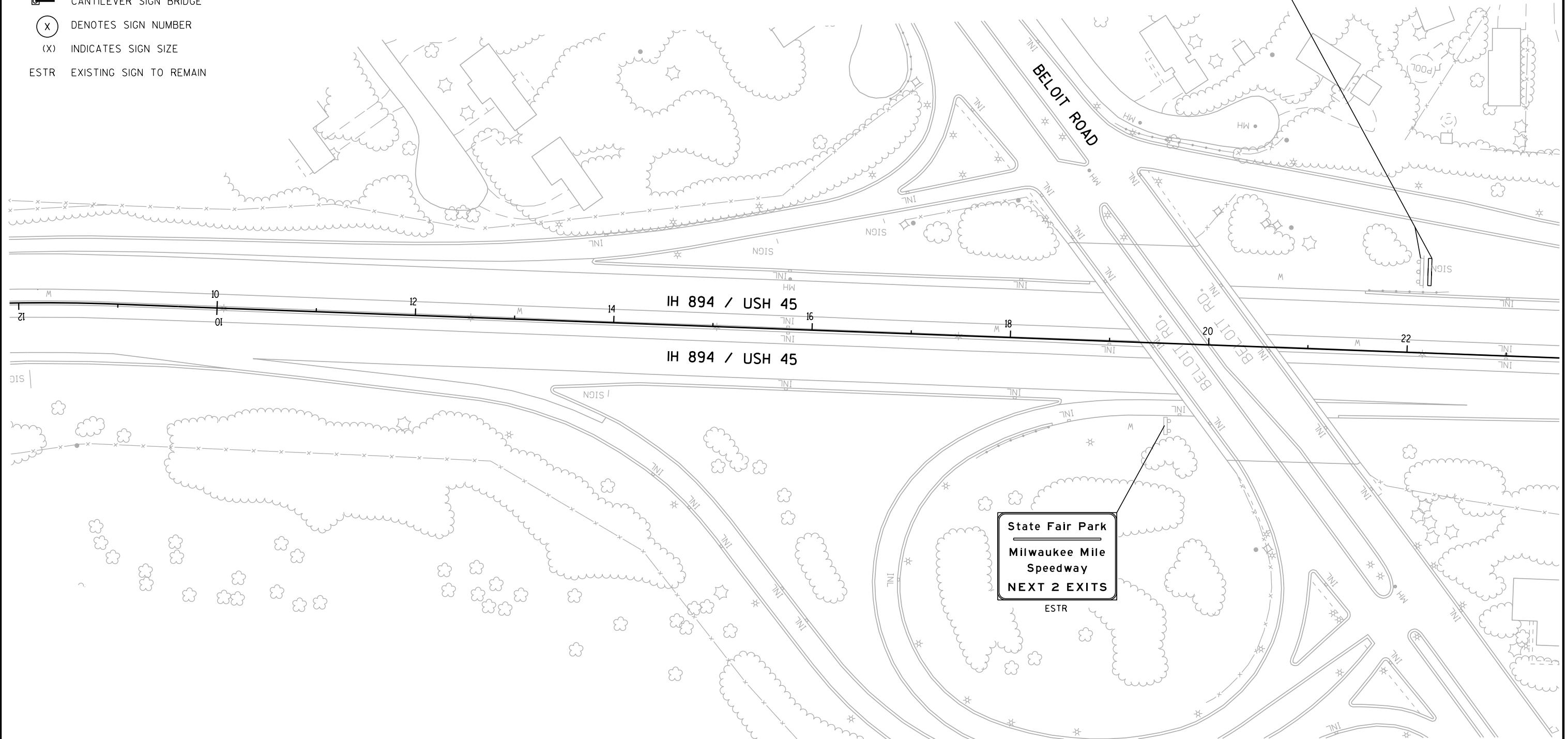
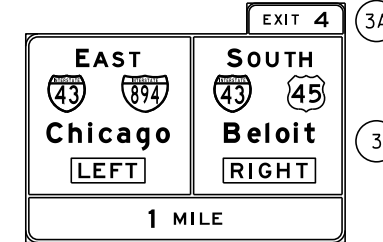


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(X)	INDICATES SIGN SIZE
ESTR	EXISTING SIGN TO REMAIN



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SHEET 4 OF 20

PROJECT NO:1000-20-73

HWY: IH 894

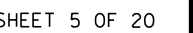
COUNTY: MILWAUKEE

SIGNING PLAN

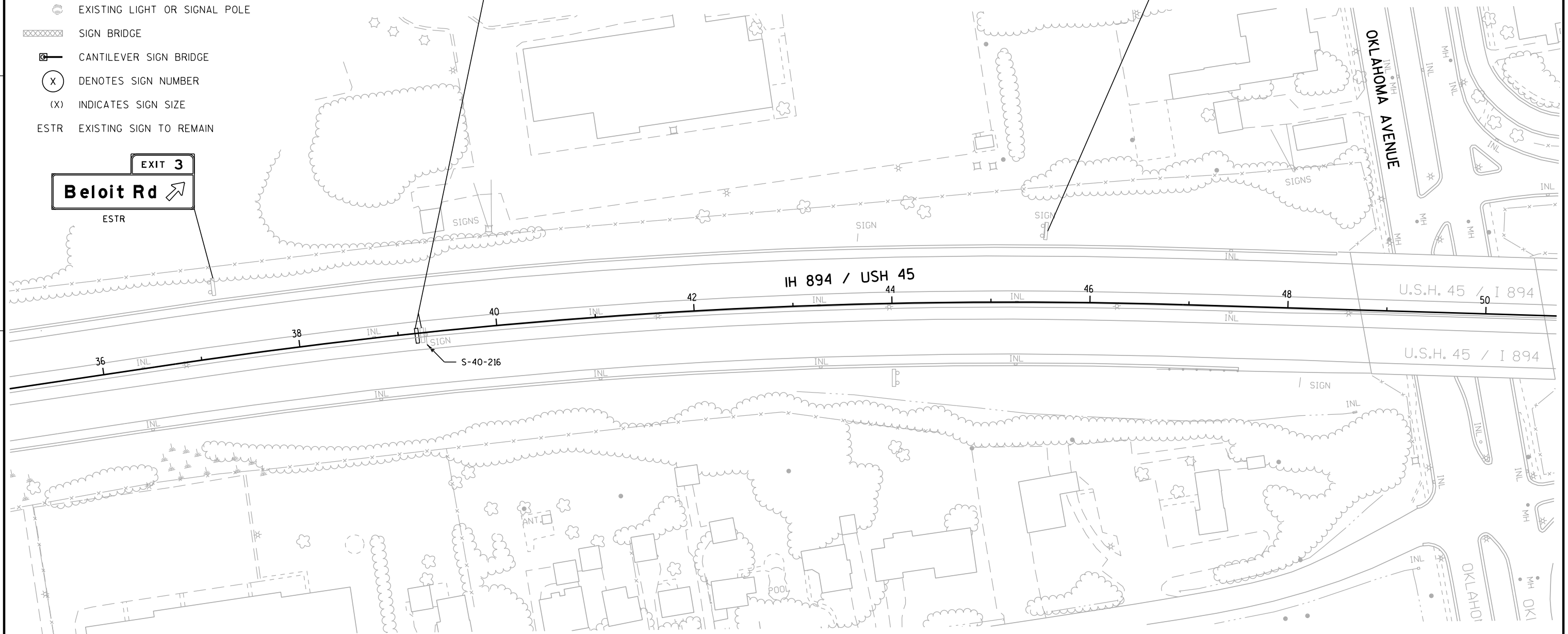
SHEET

E

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(X)	INDICATES SIGN SIZE
ESTR	EXISTING SIGN TO REMAIN

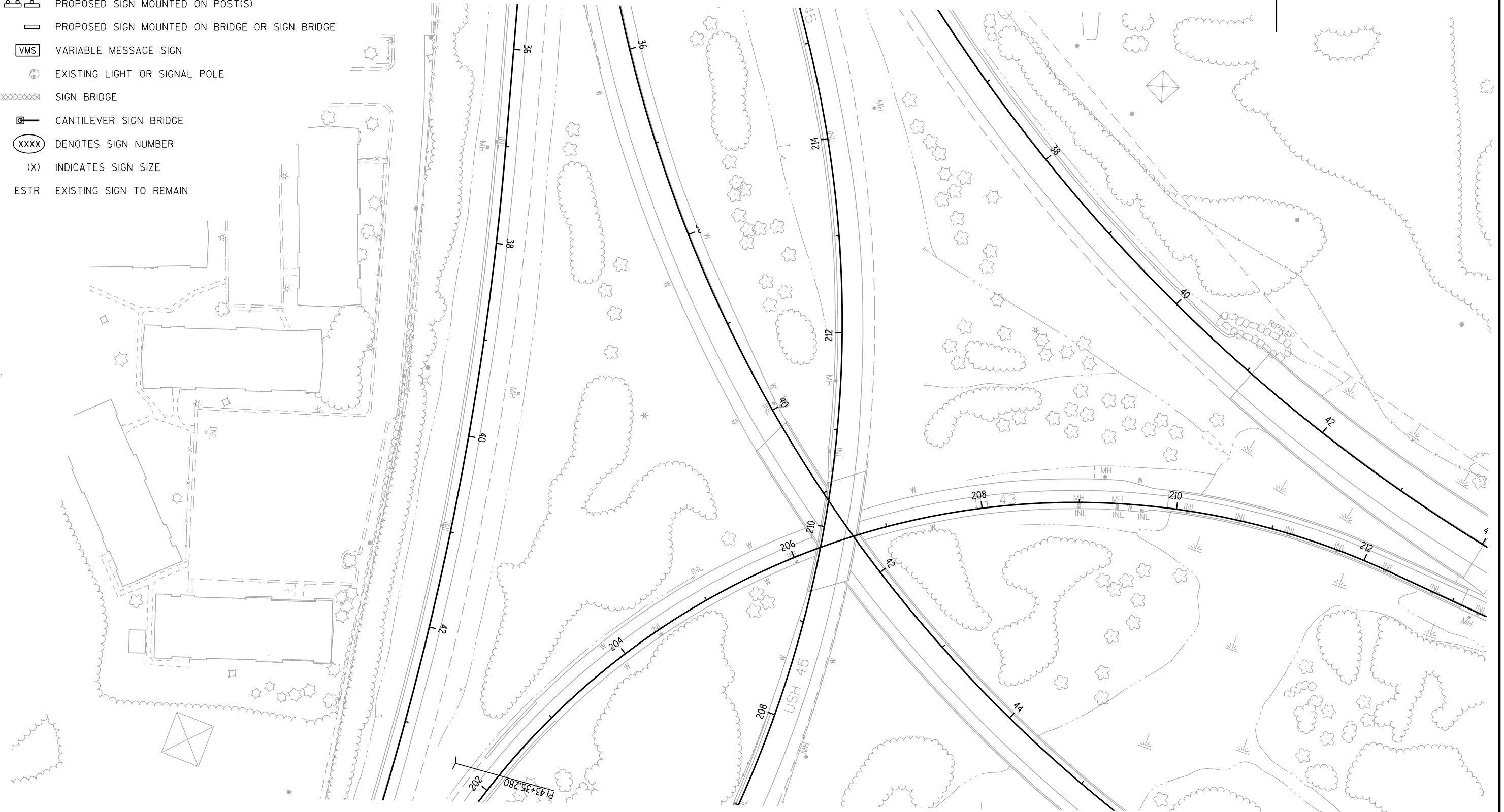


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SHEET 7 OF 20

PROJECT NO:1000-20-73

HWY: IH 894

COUNTY: MILWAUKEE

SIGNING PLAN

SHEET

E

FILE NAME : J:\projects\d2_100020894\73\Sign\023207_ps.dgn

PLOT DATE : 16-DEC-2014 08:36

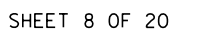
PLOT BY : MSCBxD

PLOT NAME :

PLOT SCALE : 100:1

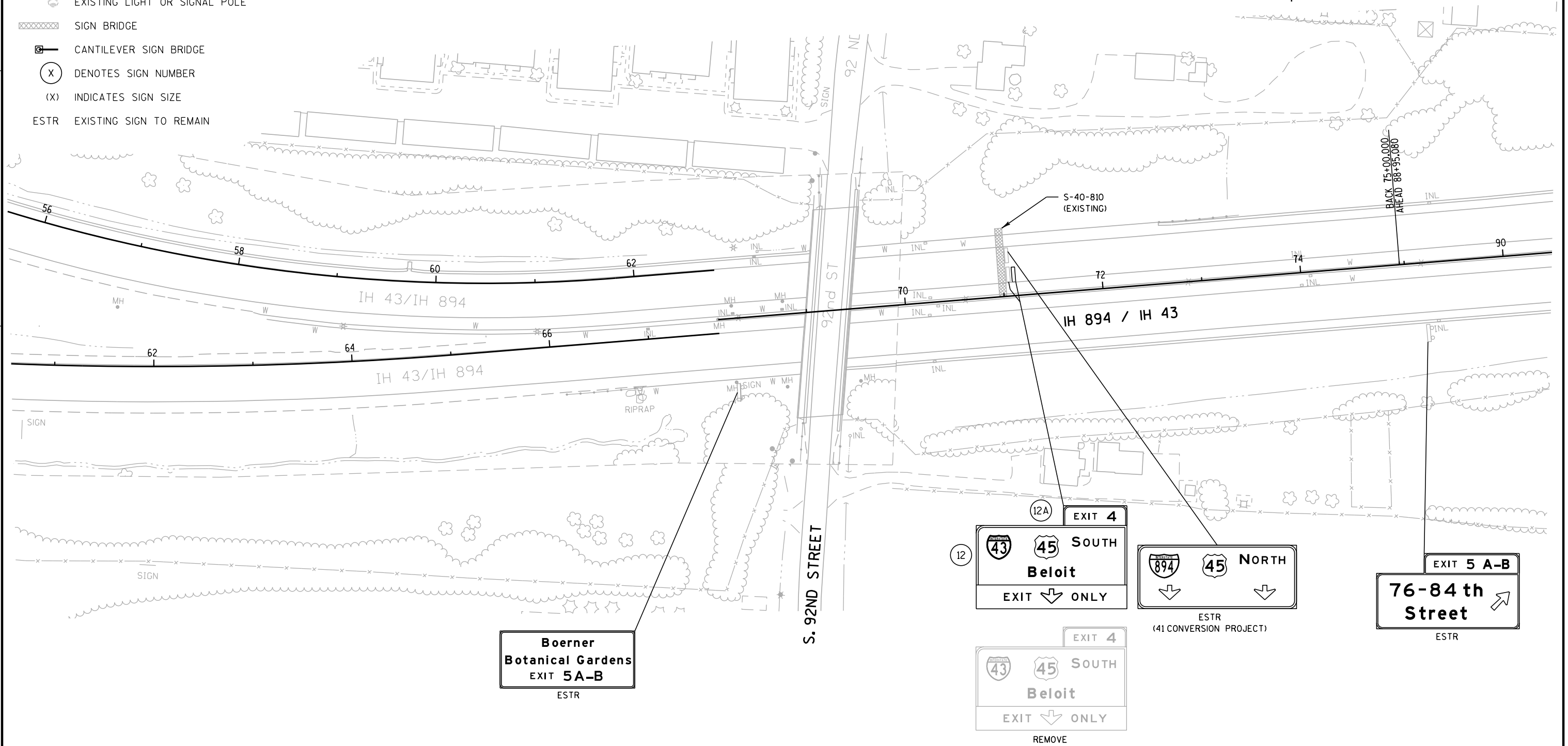
WISDOT/CADDs SHEET 42

	EXISTING SIGN MOUNTED ON POST(S)
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(X) INDICATES SIGN SIZE
ESTR EXISTING SIGN TO REMAIN

60 th St 1 3/4
Loomis Rd 2 3/4
27 th St 3 3/4

REMOVE

60 th St 1 3/4
Loomis Rd 2 3/4
27 th St 3 3/4

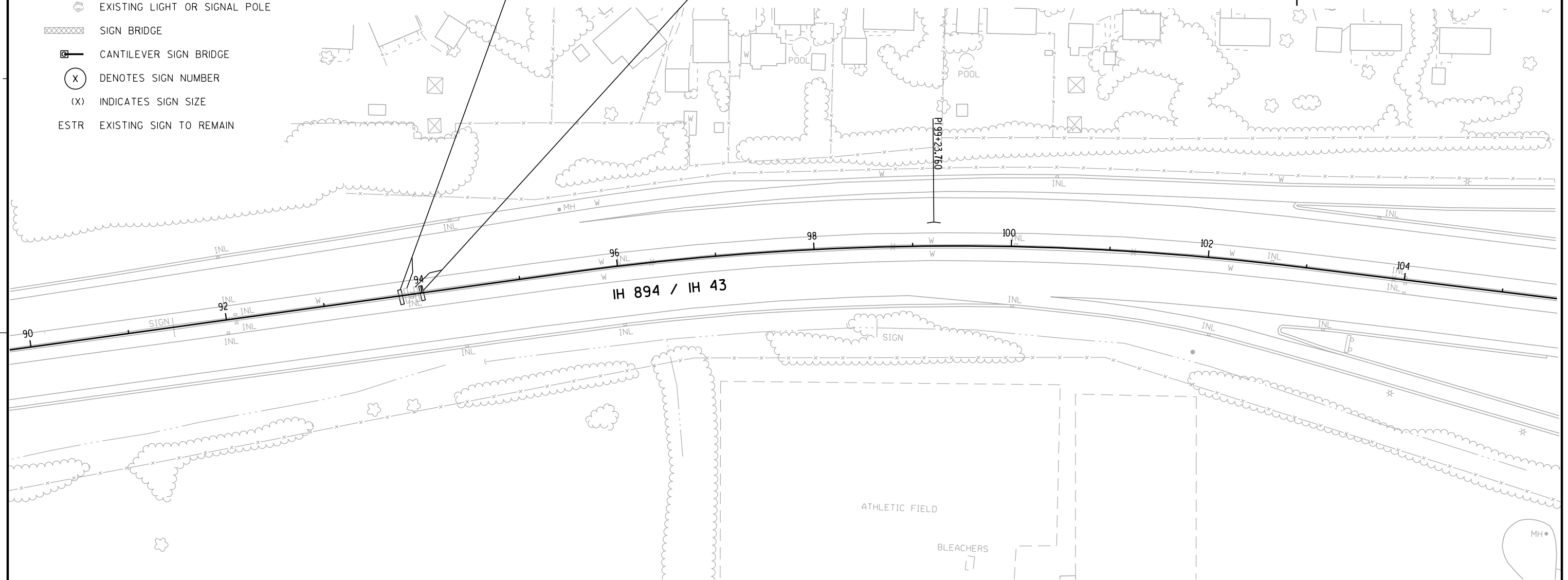
(13)

45 1/2
Beloit Rd 1 1/2
National Ave 3

REMOVE

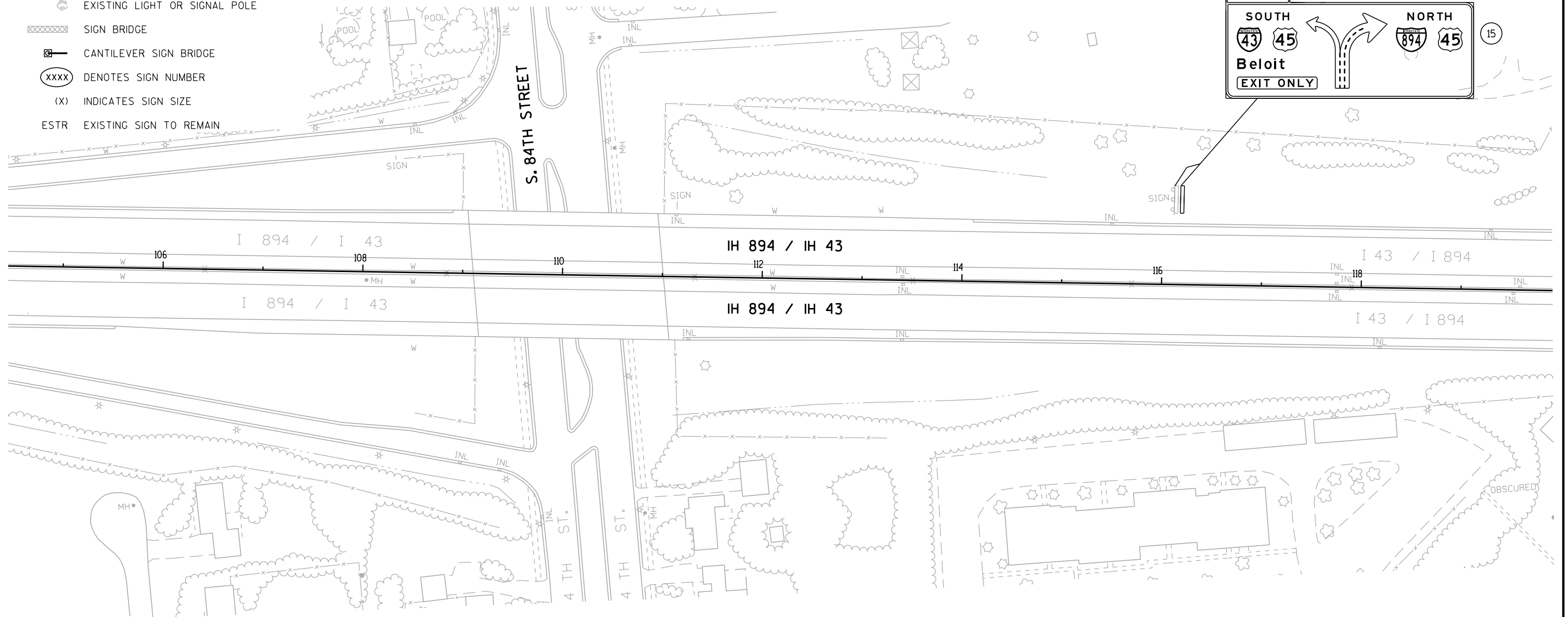
45 1/2
Beloit Rd 1 1/2
National Ave 3

(14)



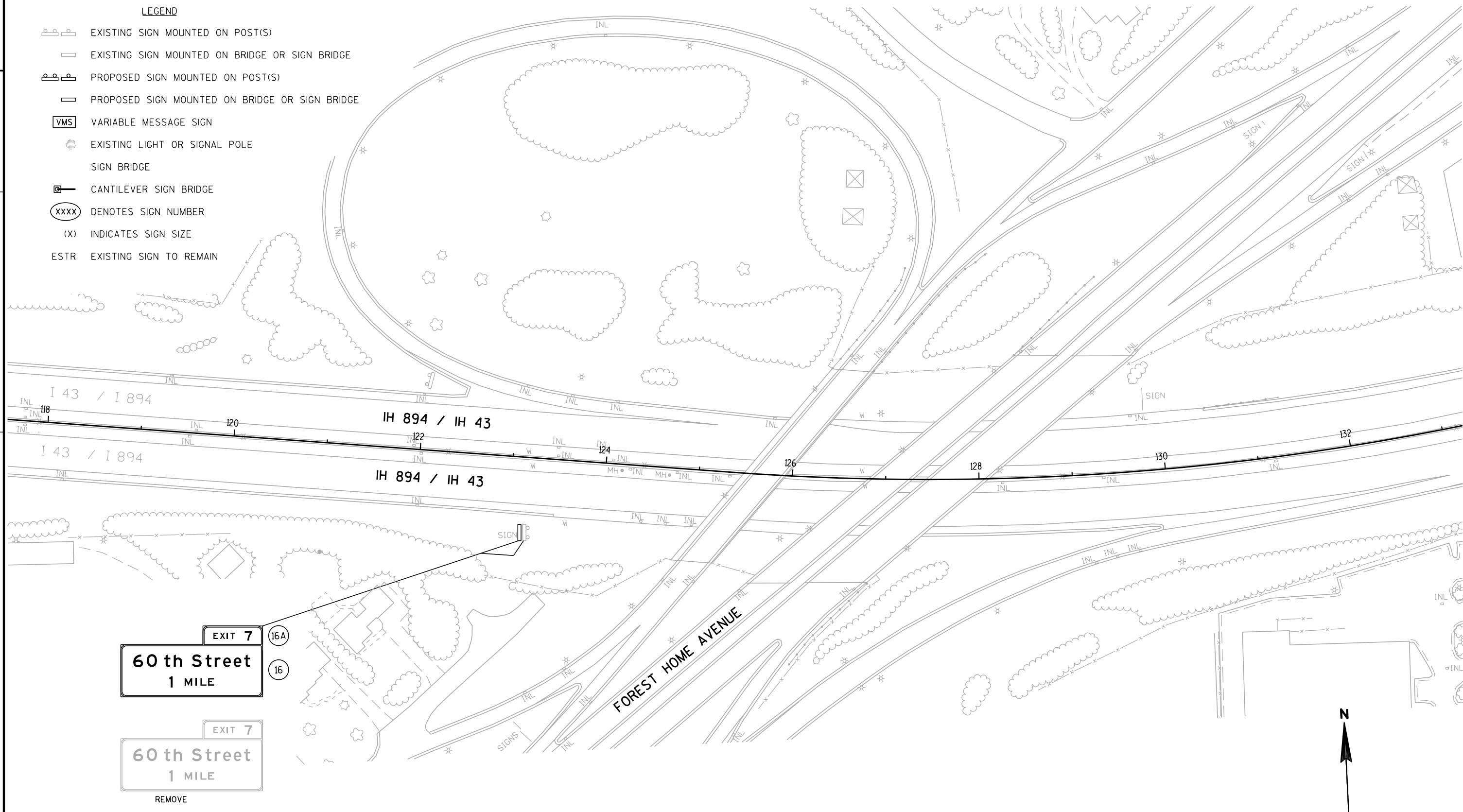
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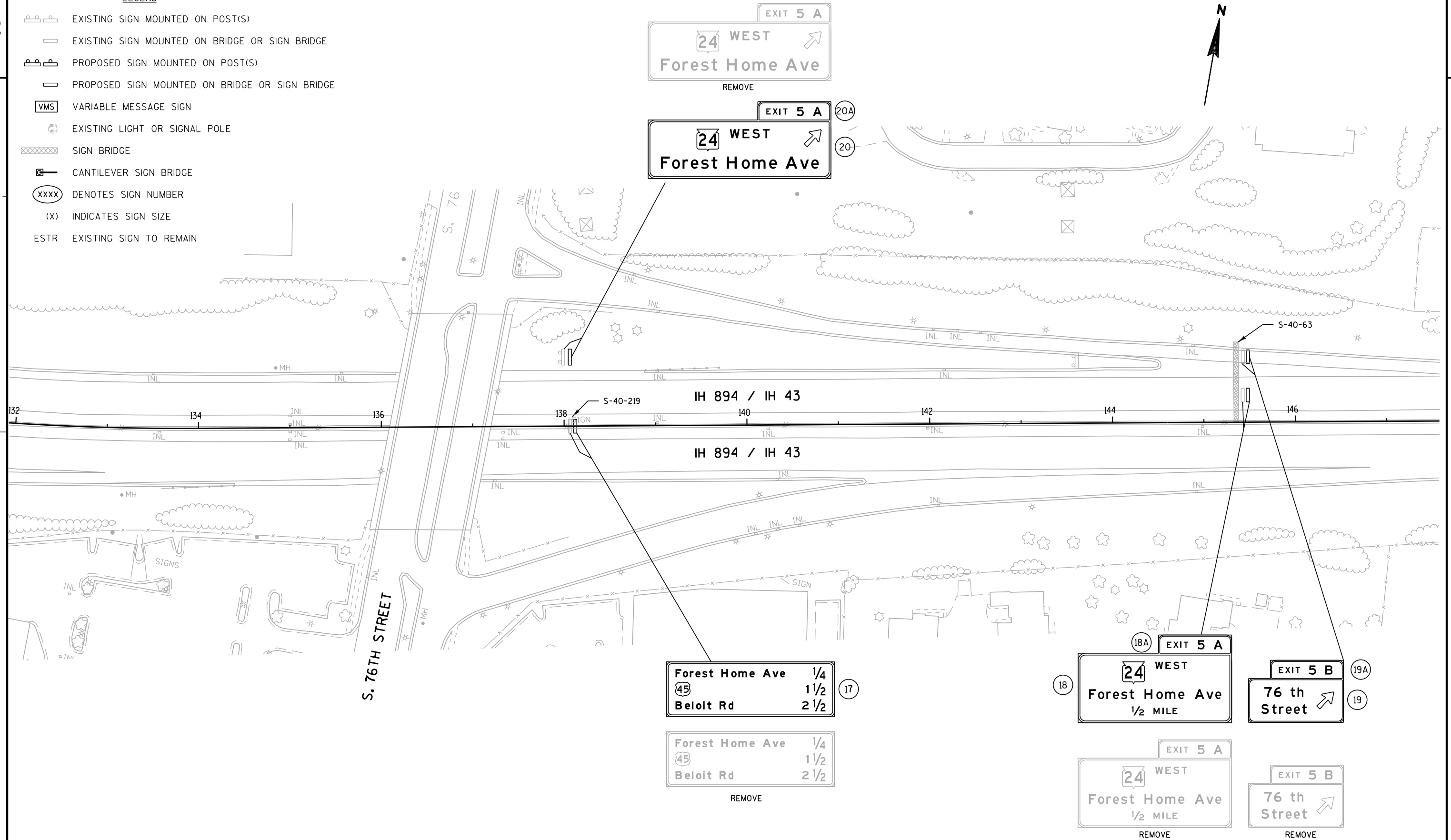


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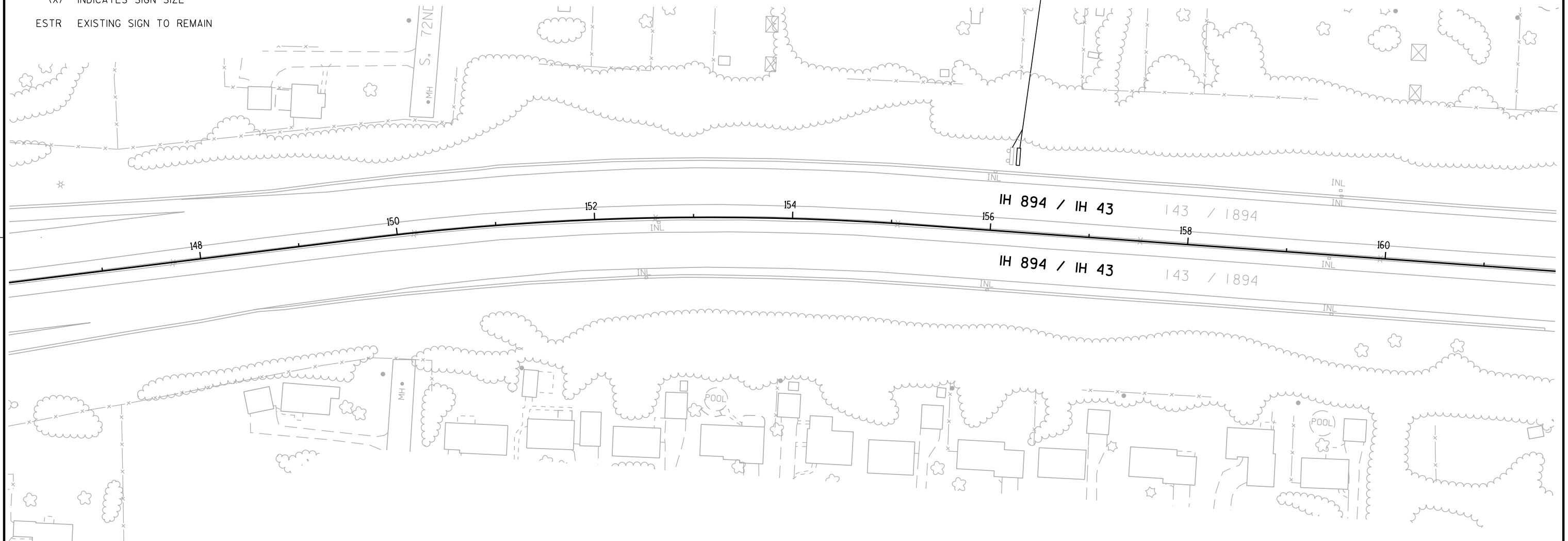


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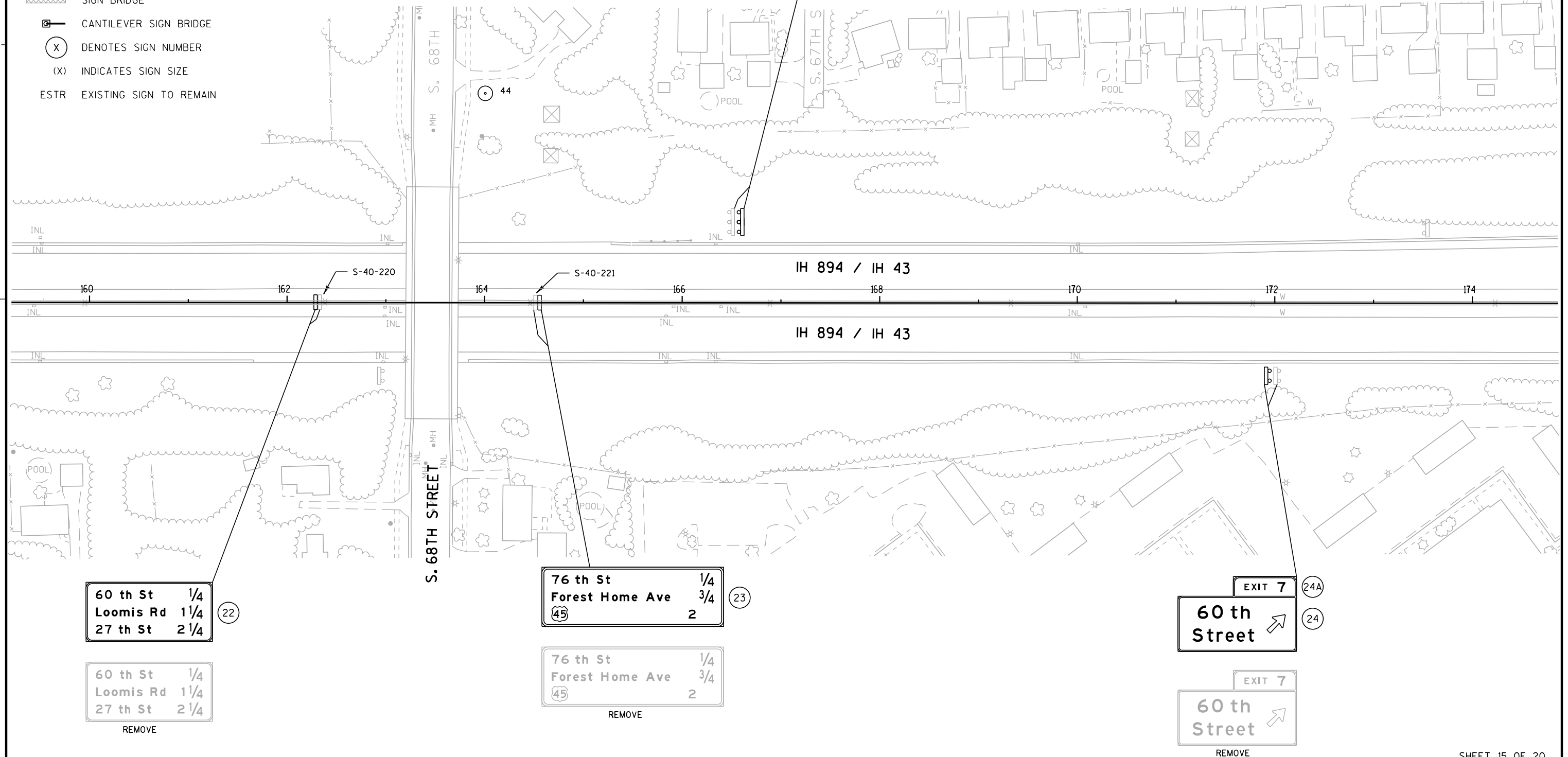
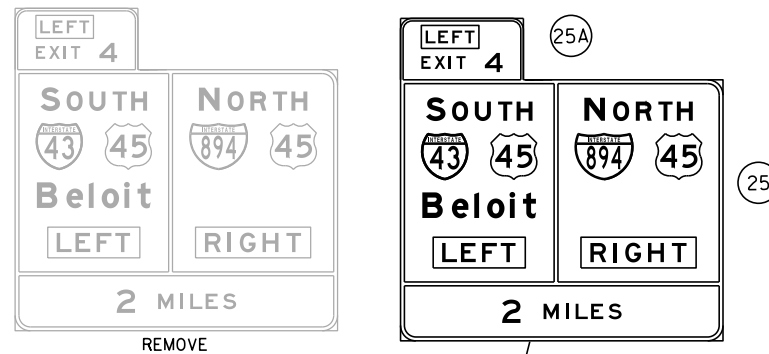


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 (X) DENOTES SIGN NUMBER
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ESTR EXISTING SIGN TO REMAIN

N

**Boerner
Botanical Gardens
EXIT 5A**

ESTR

IH 894 / IH 43

IH 894 / IH 43

SHEET 16 OF 20

PROJECT NO:1000-20-73

HWY: IH 894

COUNTY: MILWAUKEE

SIGNING PLAN

SHEET

E

FILE NAME : J:\projects\d2_100020894\73\Sign\023216_ps.dgn

PLOT DATE : 16-DEC-2014 08:39

PLOT BY : MSCBXD

PLOT NAME :

PLOT SCALE : 100:1

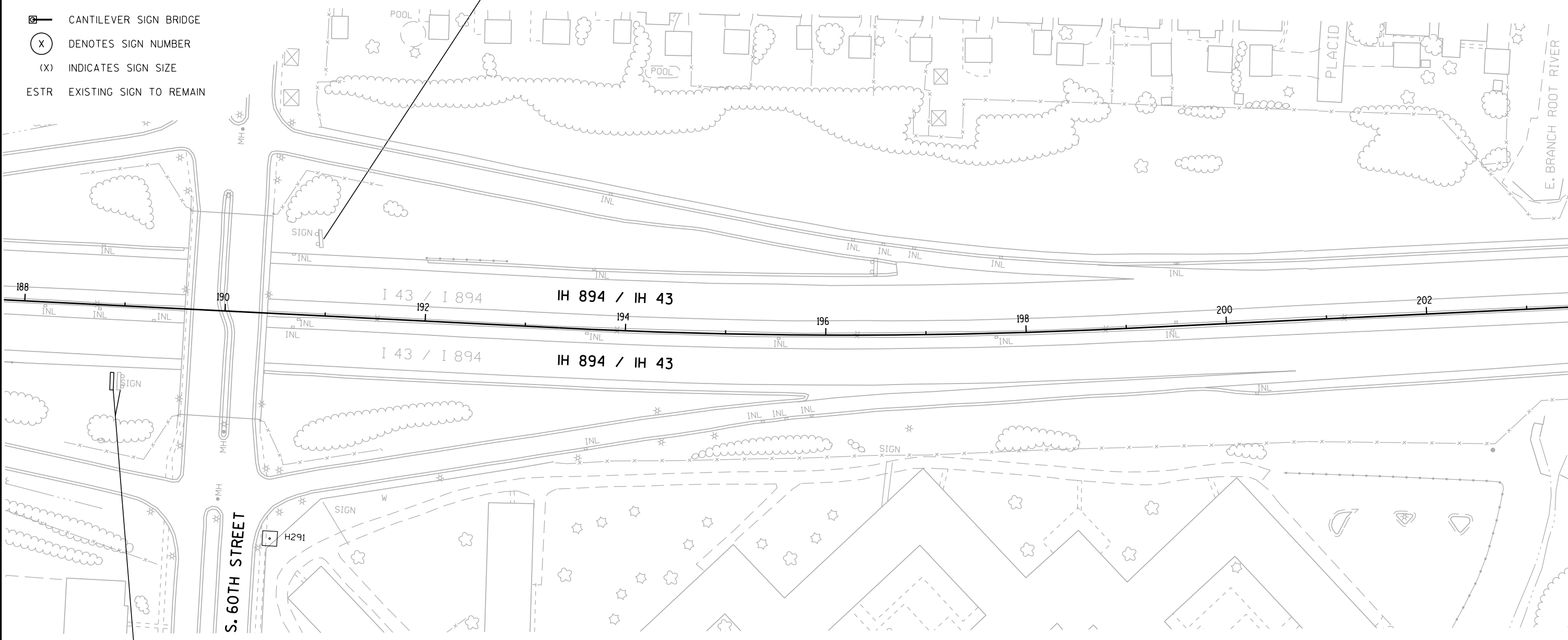
WISDOT/CADDs SHEET 42

LEGEND

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EXIT 5 A-B
**76 th Street
Forest Home Ave**
1 MILE
ESTR



EXIT 8 A
36
Loomis Rd
3/4 MILE

EXIT 8 A
36
Loomis Rd
3/4 MILE
REMOVE

LEGEND

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EXIT 7

60 th
Street

REMOVE

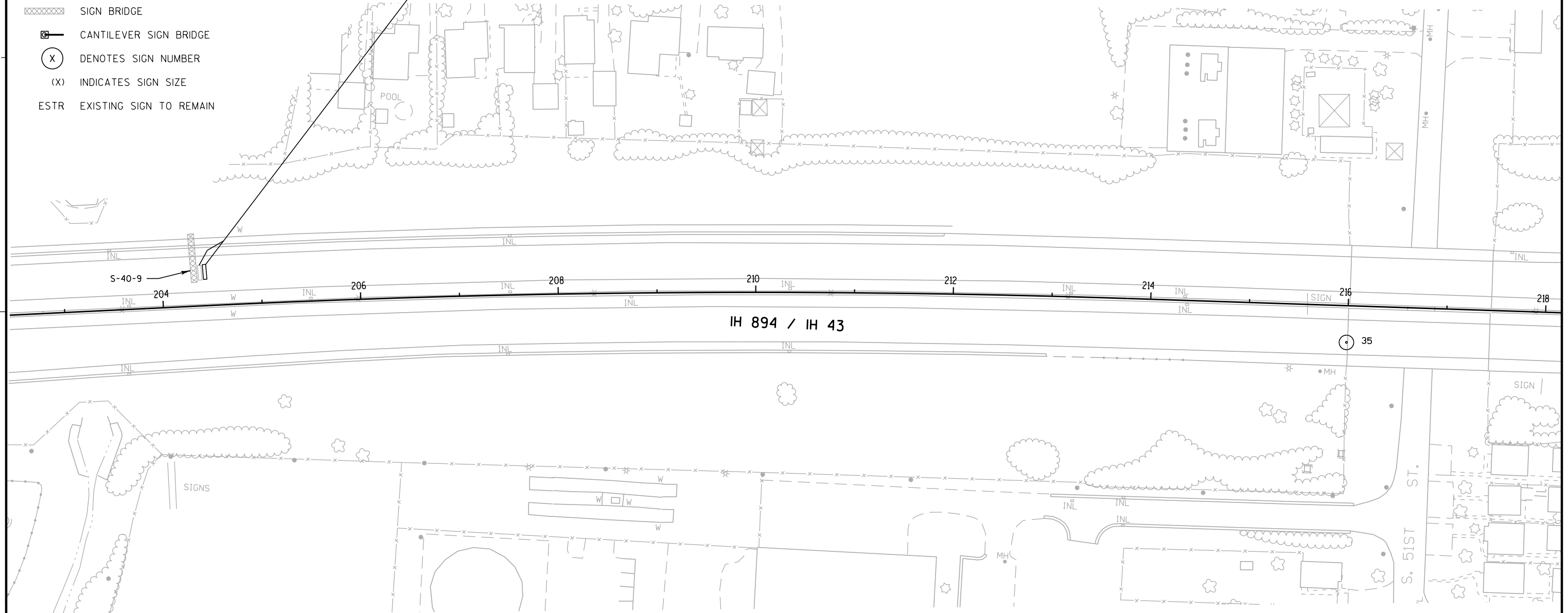
EXIT 7

60 th
Street

27A

27

N



SHEET 18 OF 20

PROJECT NO:1000-20-73

HWY: IH 894

COUNTY: MILWAUKEE

SIGNING PLAN

SHEET

E

FILE NAME : J:\projects\d2_100020894\73\Sign\023218_ps.dgn

PLOT DATE : 16-DEC-2014 08:40

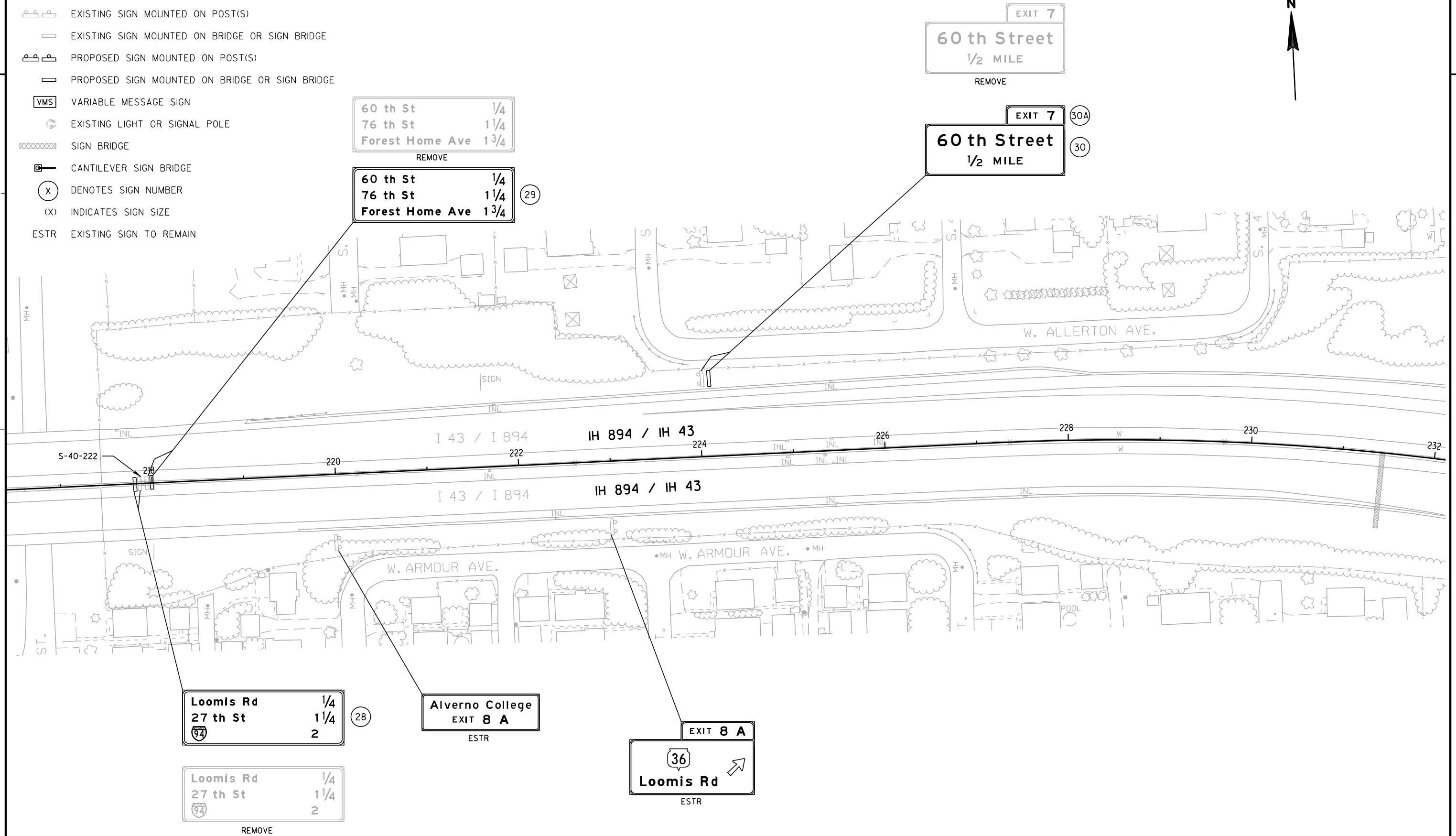
PLOT BY : MSCBXD

PLOT NAME :

PLOT SCALE : 100:1

WISDOT/CADDs SHEET 42

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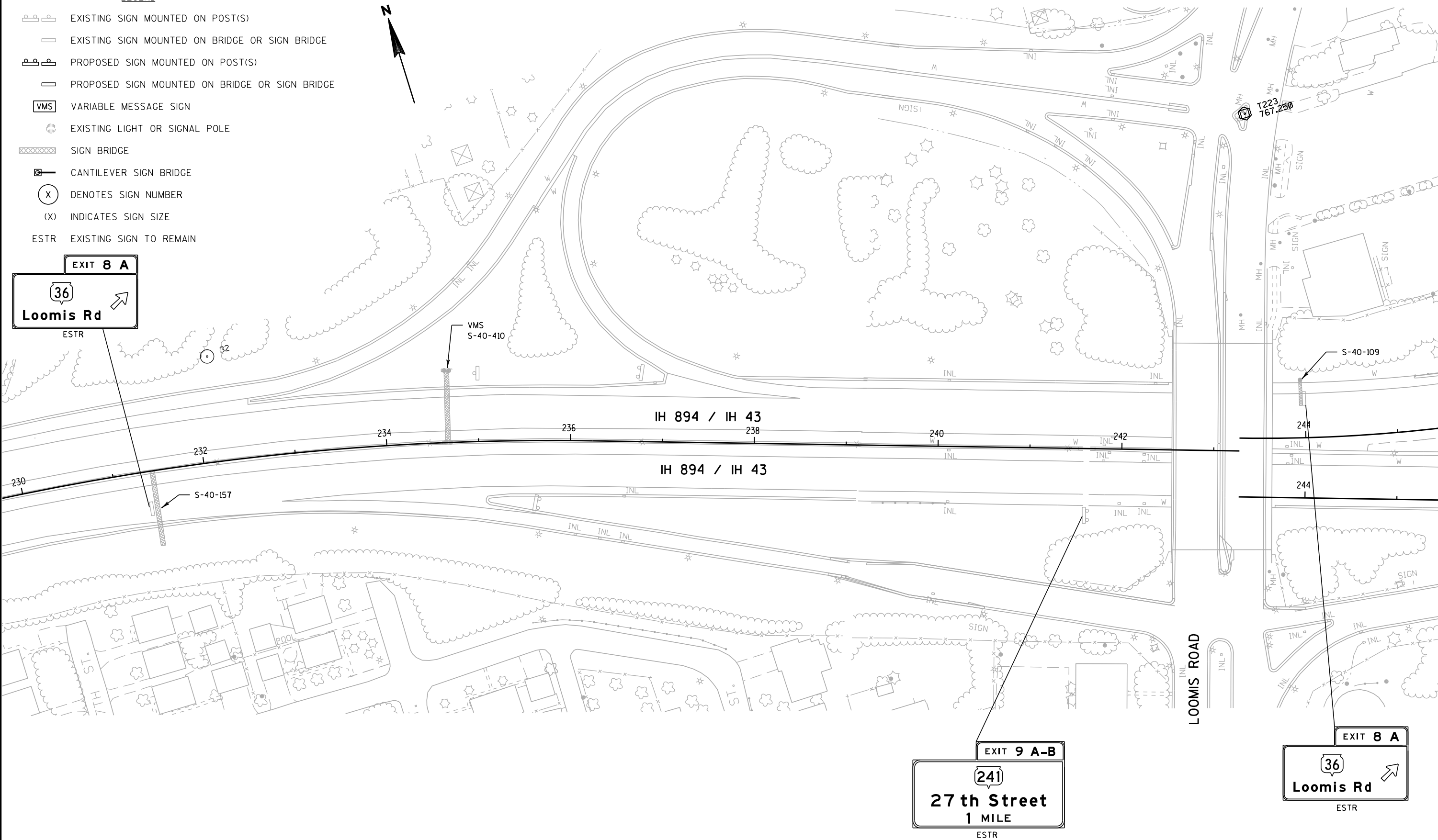
LEGEND

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- ESTR EXISTING SIGN TO REMAIN

EXIT 8 A

36

Loomis Rd



EXIT 9 A-B

241

27 th Street

1 MILE

ESTR

EXIT 8 A

36

Loomis Rd

ESTR

DATE 17MAR15			E S T I M A T E O F Q U A N T I T I E S		
LINE					1000-20-73
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	619.1000	Mobilization	EACH	1.000	1.000
0020	635.0200	Sign Supports Structural Steel HS	LB	20,960.510	20,960.510
0030	635.0300	Sign Supports Replacing Base Connection Bolts	EACH	86.000	86.000
0040	636.0100	Sign Supports Concrete Masonry	CY	39.600	39.600
0050	636.0500	Sign Supports Steel Reinforcement	LB	2,372.000	2,372.000
0060	637.1220	Signs Type I Reflective SH	SF	14,127.500	14,127.500
0070	637.2230	Signs Type II Reflective F	SF	45.000	45.000
0080	638.2101	Moving Signs Type I	EACH	7.000	7.000
0090	638.2601	Removing Signs Type I	EACH	91.000	91.000
0100	638.2602	Removing Signs Type II	EACH	4.000	4.000
0110	638.3000	Removing Small Sign Supports	EACH	11.000	11.000
0120	638.3100	Removing Structural Steel Sign Supports	EACH	38.000	38.000
0130	643.0100	Traffic Control (project) 01. 1000-20-73	EACH	1.000	1.000

PERMANENT TYPE 1 & TYPE II SIGNS (NE REGION- Green Bay)									637.1220 SIGNS TYPE I REFLECTIVE SH S. F.	637.2230 SIGNS TYPE II REFLECTIVE F S. F.	638.2101 MOVING SIGNS TYPE I EACH	638.2601 REMOVING SIGNS TYPE I EACH	NOTES
SIGN NUMBER	COUNTY	ROUTE	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES						
NE-1	Brown	STH 32 SB	West of Ashland Ave	E6-1	192" x 84" (16' x 7')	Exit Gore Sign (Overhead)	32 SOUTH Ashland Ave	168.00				1.00	S-5-4 I Beams Incidental
	Brown	STH 32 SB		E11-1D	192" x 42"	Exit (Single Tilt Right Arrow) Only	EXIT [TR] ONLY						
NE-2	Brown	STH 54 EB	West of Broadway St	E6-51	168" x 96" (14' x 8')	Advanced Exit Guide Sign (Overhead)	Madison St Downtown EXIT 1/2 MILE	112.00				1.00	S-5-55 Reuse I Beams
NE-3	Brown	STH 54 EB	East of Broadway St	E3-1	168" x 90" (14' x 7.5')	Destination-Next Right-Exit Number	Madison St Downtown NEXT RIGHT	105.00				1.00	S-5-56 (Above Right Lane) Reuse I Beams
NE-4	Brown	STH 54 EB	East of Broadway St	E6-51	180" x 108" (15' x 9')	Advanced Exit Guide Sign (Overhead)	54 57 Monroe Ave EXIT 1/2 MILE	135.00				1.00	S-5-56 (Above Left Lane) I Beams Incidental
NE-5	Brown	STH 54 EB	West of Madison St	E6-1	204" x 72" (17' x 6')	Exit Gore Sign (Overhead)	Madison St Downtown [TR]	102.00				1.00	S-5-57 - Reuse I Beams (Above Exit Ramp)
NE-6	Brown	STH 54 EB	West of Madison St	E6-51	180" x 84" (15' x 7')	Advanced Exit Guide Sign (Overhead)	54 57 Monroe Ave	150.00				1.00	S-5-57 (Above Exit Only Lane) Reuse I Beams
	Brown	STH 54 EB		E11-1	180" x 36"	Exit (Single Down Arrow) Only	EXIT [DA] ONLY						
NE-7	Brown	STH 54 EB	West of Madison St	E6-1	180" x 84" (15' x 7')	Exit Gore Sign (Overhead)	54 57 Monroe Ave	157.50				1.00	S-5-58 (Above Exit Ramp) I Beams Incidental
	Brown	STH 54 EB		E11-1D	180" x 42"	Exit (Single Tilt Right Arrow) Only	EXIT [TR] ONLY						
NE-8	Brown	STH 54 WB	West of Madison St	E6-51	156" x 66" (13' x 5.5')	Advanced Exit Guide Sign (Overhead)	Broadway EXIT 1/2 MILE	71.50				1.00	S-5-58 - Reuse I Beams (Above Right Lane)
NE-9	Brown	STH 54 WB	West of Madison St	E6-51	156" x 54" (13' x 4.5')	Advanced Exit Guide Sign (Overhead)	Broadway NEXT RIGHT	58.50				1.00	S-5-57 - Reuse I Beams (Above Right Lane)
NE-10	Brown	STH 54 WB	West of Madison St	E6-51	192" x 108" (16' x 9')	Advanced Exit Guide Sign (Overhead)	32 SOUTH Ashland Ave EXIT 1/2 MILE	144.00				1.00	S-5-57 (Above Left Lane) Reuse I Beams
NE-11	Brown	STH 54 WB	East of Broadway St	E6-1	156" x 72" (13' x 6')	Exit Gore Sign (Overhead)	Broadway [TR]	78.00				1.00	S-5-56 - Reuse I Beams (Above Exit Ramp)
NE-12	Brown	STH 54 WB	East of Broadway St	E6-51	156" x 96" (13' x 8')	Advanced Exit Guide Sign (Overhead)	NORTH WEST 32 54 AHEAD	104.00				1.00	S-5-56 (Center Above Thru Lanes) I Beams Incidental
NE-13	Brown	STH 54 WB	East of Broadway St	E6-51	192" x 84" (16' x 7')	Advanced Exit Guide Sign (Overhead)	32 SOUTH Ashland Ave	160.00				1.00	S-5-56 (Above Exit Only Lane) I Beams Incidental
	Brown	STH 54 WB		E11-1	192" x 36"	Exit (Single Tilt Right Arrow) Only	EXIT [DA] ONLY						
NE-14	Brown	STH 54 WB	West of Broadway St	E6-1	192" x 84" (16' x 7')	Exit Gore Sign (Overhead)	32 SOUTH Ashland Ave	168.00				1.00	S-5-55 (Above Exit Ramp) I Beams Incidental
	Brown	STH 54 WB		E11-1D	192" x 42"	Exit (Single Tilt Right Arrow) Only	EXIT [TR] ONLY						
NE-15	Brown	Mason St	East of Monroe Ave	E6-1	216" x 108" (18' x 9')	Exit Gore Sign (Overhead)	54 EAST 57 Monroe Ave [TR] Downtown	162.00				1.00	S-5-9 (Above Exit Ramp) I Beams Incidental
NE-16	Winnebago	USH 45 SB	North of USH 41 SB	E6-51	180" x 84" (15' x 7')	Advanced Exit Guide Sign (Overhead)	SOUTH 41 Milwaukee [DA]				1.00		Move Existing Sign Over Left Lane (See Detail for Placement)
NE-17	Winnebago	USH 45 SB	North of USH 41 SB	W9-62	72" x 90"	This Lane Ends WITH Arrow				45.00			Install Over Right Lane on Overhead Sign Bridge
SUB TOTALS									1875.50	45.00	1.00	15.00	

PERMANENT TYPE 1 SIGNS (NC REGION- Wisconsin Rapids)								635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGNS SUPPORTS STEEL REINFORCEMENT LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	638.2601 REMOVING SIGNS TYPE I EACH	638.3100 REMOVING STRUCURAL STEEL SIGN SUPPORTS EACH	
Marathon, Waupaca, Marquette, Waushara & Lincoln Counties															
SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (Location)	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES								NOTES
NC-1	Marathon	USH 51 SB	195.66	E3-1	216" x 84" (18' x 7')	Destination-Next Right-Exit Number	Northcentral Technical College EXIT 194	808.20		1.60	98.00	126.00	1.00	2.00	(Type B Bases and Supports)
NC-2	Waupaca	USH 10 EB	253.06	E10-61	144" x 54" (12' x 4.5')	Hospital	HOSPITAL EXIT 253		2.00			54.00	1.00		Install on Existing Steel Sign Supports
NC-3	Waupaca	USH 10 WB	253.82	E10-61	144" x 54" (12' x 4.5')	Hospital	HOSPITAL EXIT 253		2.00			54.00	1.00		Install on Existing Steel Sign Supports
NC-4	Marquette	IH 39 NB	115.35	E5-51	144" x 60"	Rest Area_Miles	2 MILES		2.00			60.00	1.00		Install on Existing Steel Sign Supports
NC-5	Marquette	IH 39 NB	115.35	E10-54	120" x 12" (10' x 1')	Weather Information						10.00			Mount Below Sign NC-6
NC-6	Marquette	IH 39 NB	117.31	E5-52	144" x 54" (12' x 4.5')	Rest Area Arrow (On side) Taper			2.00			54.00	1.00		Install on Existing Steel Sign Supports
NC-7	Waushara	IH 39 NB	126.00	E5-56-L	144" x 96" (12' x 8')	Weigh Station [1] Mile Left Lane			2.00			96.00	1.00		Install on Existing Steel Sign Supports (Right Shoulder)
NC-8	Waushara	IH 39 NB	126.53	E5-57-D	144" x 60" (12' x 5')	Weigh Station Left Lane			2.00			60.00	1.00		Install on Existing Steel Sign Supports (Right Shoulder)
NC-9	Waushara	IH 39 NB	126.90	E5-57	144" x 42" (12' x 3.5')	Weigh Station			2.00			42.00	1.00		Install on Existing Steel Sign Supports (Median)
NC-10	Waushara	IH 39 SB	128.67	E5-56-L	144" x 96" (12' x 8')	Weigh Station [1] Mile Left Lane			2.00			96.00	1.00		Install on Existing Steel Sign Supports
NC-11	Waushara	IH 39 SB	128.02	E5-57-D	144" x 60" (12' x 5')	Weigh Station Left Lane			2.00			60.00	1.00		Install on Existing Steel Sign Supports (Right Shoulder)
NC-12	Waushara	IH 39 SB	127.68	E5-57	144" x 42" (12' x 3.5')	Weigh Station			2.00			42.00	1.00		Install on Existing Steel Sign Supports (Median)
NC-13	Waushara	IH 39 SB	121.88	E5-51	144" x 60" (12' x 5')	Rest Area_Miles	2 MILES		2.00			60.00	1.00		Install on Existing Steel Sign Supports
NC-14	Waushara	IH 39 SB	121.88	E5-62	120" x 30" (12' x 2.5')	Next Rest Area [00] Miles	41 MILES					25.00			Install Below Sign NC-13
NC-15	Marquette	IH 39 SB	120.01	E5-52	144" x 54" (12' x 4.5')	Rest Area Arrow (On side) Taper			2.00			54.00	1.00		Install on Existing Steel Sign Supports
NC-16	Lincoln	USH 51 NB	230.46	E10-61	144" x 54" (12' x 4.5')	Hospital	HOSPITAL EXIT 231		2.00			54.00	1.00		Install on Existing Steel Sign Supports
NC-17	Lincoln	USH 51 NB	234.87	W19-1	180" x 102" (15' x 8.5)	Freeway Ends _Mile	1		2.00			127.50	1.00		Install on Existing Steel Sign Supports (Right Shoulder)
NC-18	Lincoln	USH 51 NB	234.87	W19-1	180" x 102" (15' x 8.5)	Freeway Ends _Mile	1		2.00			127.50	1.00		Install on Existing Steel Sign Supports (Median)
NC-19	Lincoln	USH 51 SB	232.31	E10-61	144" x 54" (12' x 4.5')	Hospital	HOSPITAL EXIT 231		2.00			54.00	1.00		Install on Existing Steel Sign Supports
SUB TOTALS								808.20	32.00	1.60	98.00	1256.00	17.00	2.00	

PERMANENT TYPE 1 SIGNS (NW REGION- Eau Claire)									635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGNS SUPPORTS STEEL REINFORCEMENT LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	638.2101 MOVING SIGNS TYPE I EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.3100 REMOVING STRUCURAL STEEL SIGN SUPPORTS EACH	NOTES
SIGN NUMBER	COUNTY	ROUTE	MILE MARKER (Location)	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES										
NW-1	Chippewa	STH 29 EB	80.01	E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	80						22.50				Mount Above Sign NW-2
NW-2	Chippewa	STH 29 EB	80.01	E1-1-A	240" x 156" (20' x 13')	Advance Exit Guide Sign, _ Mile	X Lake Wissota State Park 2/3 MILE		2.00				260.00		1.00		Install New Sign on Existing Steel Sign Supports
NW-3	Chippewa	STH 29 EB	80.66	E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	80						22.50				Mount Above Sign NW-4
NW-4	Chippewa	STH 29 EB	80.66	E4-1-A	276" x 126" (23' x 10.5')	Exit Direction Sign with Arrow	X Lake Wissota [TR] State Park		2.00				241.50		1.00		Install New Sign on Existing Steel Sign Supports
NW-5	Chippewa	STH 29 EB	80.90	E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	81						20.00				Mount Above Sign NW-6
NW-6	Chippewa	STH 29 EB	80.90	E1-1-A	240" x 120" (20' x 10')	Advance Exit Guide Sign, _ Mile	J Lake Wissota 1/2 MILE		2.00				200.00		1.00		Install New Sign on Existing Steel Sign Supports
NW-7	Chippewa	STH 29 EB	81.39	E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	81						20.00				Mount Above Sign NW-8
NW-8	Chippewa	STH 29 EB	81.39	E4-1-A	276" x 90" (23' x 7.5')	Exit Direction Sign with Arrow	J Lake Wissota [TR]		2.00				172.50		1.00		Install New Sign on Existing Steel Sign Supports
NW-9	Chippewa	STH 29 EB	86.65	E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	87						-				
NW-10	Chippewa	STH 29 EB	86.65	E1-1-A	132" x 84" (11' x 7')	Advance Exit Guide Sign, _ Mile	X 1 MILE	661.52			1.20	68.00	-	1.00		2.00	Move Existing Sign 10' East of Existing Location (Type A Bases and Supports)
NW-11	Chippewa	STH 29 EB	87.56	E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	87						-				
NW-12	Chippewa	STH 29 EB	87.56	E4-1-A	132" x 54" (11' x 4.5')	Exit Direction Sign with Arrow	X [TR]	587.00			1.20	68.00	-	1.00		2.00	Move Existing Sign 10' East of Existing Location (Type A Bases and Supports)
NW-13	Chippewa	STH 29 EB	88.84	D2-3	192" x 84" (16' x 7')	Destination/Distance (Three)	Cadott 3 Abbotsford 43 Wausau 78	770.28			1.60	98.00	-	1.00		2.00	Move Existing Sign 10' East of Existing Location (Type B Bases and Supports)
NW-14	Chippewa	STH 29 EB	90.16	E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	91						-				
NW-15	Chippewa	STH 29 EB	90.16	E1-1-A	180" x 162" (15' x 13.5')	Advance Exit Guide Sign, _ Mile	27 Cadott Augusta 1 MILE	907.40			1.60	98.00	-	1.00		2.00	Move Existing Sign 10' East of Existing Location (Type B Bases and Supports)
NW-16	Chippewa	STH 29 EB	90.36	E3-1	228" x 84" (19' x 7')	Destination-Next Right-Exit Number	Wisconsin Veterans Tribute EXIT 91	765.00			1.60	98.00	-	1.00		2.00	Move Existing Sign 10' East of Existing Location (Type B Bases and Supports)
NW-17	Chippewa	STH 29 EB	91.07	E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	91						-				
NW-18	Chippewa	STH 29 EB	91.07	E4-1-A	204" x 132" (17' x 11')	Exit Direction Sign with Arrow	27 Cadott [TR] Augusta	1037.80			1.60	98.00	-	1.00		2.00	Move Existing Sign 10' East of Existing Location (Type B Bases and Supports)
NW-19	Chippewa	STH 29 EB	92.16	D2-3	156" x 84" (13' x 7')	Destination/Distance (Three)	Boyd 6 Thorp 18 Wausau 75	635.48			1.20	68.00	91.00		1.00	2.00	Install New Sign 10' East of Existing Sign (Type A Bases and Supports)
NW-20	Chippewa	STH 29 WB	92.10	E3-1	228" x 84" (19' x 7')	Destination-Next Right-Exit Number	Wisconsin Veterans Tribute EXIT 91	935.88			1.60	98.00	133.00		1.00	2.00	Install New Sign 10' West of Existing Sign (Type B Bases and Supports)
NW-21	Chippewa	STH 29 WB	91.56	E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	91						20.00				
NW-22	Chippewa	STH 29 WB	91.56	E4-1-A	204" x 132" (17' x11')	Exit Direction Sign with Arrow	27 Cadott [TR] Augusta	796.84			1.60	98.00	187.00		1.00	2.00	Mount Above Sign NW-22 Install New Sign 10' West of Existing Sign (Type B Bases and Supports)
NW-23	Chippewa	STH 29 WB	90.64	D2-1	228" X 66" (19' x 5.5')	Destination/Distance (One)	Chippewa Falls 13 94 34	837.00			1.60	98.00	104.50		1.00	2.00	Install New Sign 10' West of Existing Sign
NW-24	Chippewa	STH 29 WB	88.96	E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	87						22.50				
NW-25	Chippewa	STH 29 WB	88.96	E1-1-A	240" x 156" (20' x 13')	Advance Exit Guide Sign, _ Mile	X Lake Wissota State Park 1 MILE	1155.93			1.80	100.00	260.00		1.00	2.00	Mount Above Sign NW-25 Install New Sign 10' West of Existing Sign (Type C Bases and Supports)
NW-26	Chippewa	STH 29 WB	87.87	E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	87						22.50				
NW-27	Chippewa	STH 29 WB	87.87	E4-1-A	276" x 126" (23' x 10.5')	Exit Direction Sign with Arrow	X Lake Wissota [TR] State Park	1289.88			1.80	100.00	241.50		1.00	2.00	Mount Above Sign NW-27 Install New Sign 10' West of Existing Sign (Type C Bases and Supports)
NW-28	Chippewa	STH 29 WB	86.82	D2-2	228" x 66" (10' x5.5')	Destination/Distance (Two)	Chippewa Falls 10 94 31	822.28			1.60	98.00	104.50		1.00	2.00	Install New Sign 10' West of Existing Sign (Type B Bases and Supports)
NW-29	Chippewa	STH 29 WB	81.26	E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	81						20.00				
NW-30	Chippewa	STH 29 WB	81.26	E1-1-A	240" x 120" (20' x 10')	Advance Exit Guide Sign, _ Mile	J Lake Wissota 1 MILE		2.00				200.00		1.00		Mount Above Sign NW-30 Install New Sign on Existing Steel Sign Supports
NW-31	Chippewa	STH 29 WB	82.26	E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	81						20.00				
NW-32	Chippewa	STH 29 WB	82.26	E4-1-A	276" x 90" (23' x 7.5')	Exit Direction Sign with Arrow	J Lake Wissota [TR]		2.00				172.50		1.00		Mount Above Sign NW-32 Install New Sign on Existing Steel Sign Supports
SUB TOTALS									11202.29	12.00	20.00	1188.00	2558.00	6.00	13.00	26.00	

PROJECT NO: 1000-20-73

HWY: VARIOUS

COUNTY: VARIOUS – NW REGION

MISCELLANEOUS QUANTITIES

SHEET NO:

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PERMANENT TYPE 1 & TYPE II SIGNS (SW REGION- La Crosse - Madison)								635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGNS SUPPORTS STEEL REINFORCEMENT LB	637.1220 SIGNS TYPE I REFLECTIVE SH 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 STRUCURAL STEEL SIGN SUPPORTS EACH	NOTES	
SIGN NUMBER	COUNTY	ROUTE	MILE MARKER 'Location'	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES											
SW-1	Columbia	IH 39 NB	92.55	D2-3	228" x 84" (19' x 7')	Destination/Distance (Three)	Endeavor 9 Stevens Point 67 Wausau 99	770.28		1.60	98.00	133.00	1.00			2.00	Install New Sign 10' North of Existing Sign (Type B Bases and Supports)	
SW-2	Columbia	IH 39 SB	93.16	E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	92	901.48		1.60	98.00	22.50 136.50	1.00			2.00	Mount Above Sign SW-3 Install New Sign 10' South of Existing Sign (Type B Bases and Supports)	
SW-3	Columbia	IH 39 SB	93.16	E1-1-A	156" x 126" (13' x 10.5')	Advance Exit Guide Sign, _ Mile	51 Portage 1 MILE											
SW-4	Columbia	IH 39 SB	92.86	E10-61	144" x 54" (12' x 4.5')	Hospital	Hospital EXIT 92		2.00			54.00	1.00				Install on Existing Steel Sign Supports	
SW-5	Columbia	IH 39 SB	92.73	E3-1	192" x 60" (16' x 5')	Destination-Next Right-Exit Number	Amtrak Station EXIT 92		2.00			80.00	1.00				Install on Existing Steel Sign Supports	
SW-6	Columbia	IH 39 SB	92.46	E3-1	204" x 102" (17' x 8.5')	Destination-Next Right-Exit Number	American Legion State Hdqrs and Museum EXIT 92		2.00			144.50	1.00				Install on Existing Steel Sign Supports	
SW-7	Columbia	IH 39 SB	92.15	E6-51	144" x 138" (12' x 11.5')	Advanced Exit Guide Sign (Overhead)	TO TO 90 94 Madison					138.00	1.00				S-11-11 (Over Left Lane) Reuse I Beams Mount Above Sign SW-9 S-11-11 (Over Right Lane) Reuse I Beams	
SW-8	Columbia	IH 39 SB	92.15	E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	92					22.50	1.00					
SW-9	Columbia	IH 39 SB	92.15	E6-51	120" x 114" (10' x 9.5')	Advanced Exit Guide Sign (Overhead)	51 Portage NEXT RIGHT					95.00						
SW-10	Columbia	IH 39 SB	92.06	E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	92	850.66		1.60	98.00	22.50 120.00	1.00			2.00	Mount Above Sign SW-11 Install New Sign 10' South of Existing Sign (Type B Bases and Supports)	
SW-11	Columbia	IH 39 SB	92.06	E4-1-A	192" x 90" (16' x 7.5')	Exit Direction Sign with Arrow	51 Portage [TR]											
SW-12	Rock	IH 43 NB	2.94	D2-3	192" x 84" (16' x 7')	Destination/Distance (Three)	140 5 Darien 13 Milwaukee 70	849.80		1.60	98.00	112.00	1.00			2.00	Install New Sign 1230' North of Existing Sign (Type B Bases and Supports)	
SW-13	Rock	IH 43 NB	5.56	E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	6		2.00			20.00 162.00	1.00				Mount Above Sign SW-14 Install on Existing Steel Sign Supports	
SW-14	Rock	IH 43 NB	5.56	E1-1-A	144" x 162' (12' x 13.5')	Advance Exit Guide Sign, _ Mile	140 Clinton Avalon 1 MILE											
SW-15	Rock	IH 43 NB	6.56	E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	6		2.00			20.00 176.00	1.00				Mount Above Sign SW-16 Install on Existing Steel Sign Supports	
SW-16	Rock	IH 43 NB	6.56	E4-1-A	192" x 132" (16' x 11')	Exit Direction Sign with Arrow	140 Clinton [TR] Avalon											
SW-17	Rock	IH 43 NB	8.09	D2-3	192" x 84" (16' x 7')	Destination/Distance (Three)	Darien 8 Delavan 12 Milwaukee 65		2.00			112.00	1.00				Install on Existing Steel Sign Supports	
SW-18	Rock	IH 43 SB	8.4	E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	6		2.00			20.00 162.00	1.00				Mount Above Sign SW-19 Install on Existing Steel Sign Supports	
SW-19	Rock	IH 43 SB	8.4	E1-1-A	144" x 162" (12' x 13.5')	Advance Exit Guide Sign, _ Mile	140 Clinton Avalon 1 MILE											
SW-20	Rock	IH 43 SB	8.4	E2-1	156" x 24"	Next Exit _Miles (Message in one line)	6 Miles					26.00						
SW-21	Rock	IH 43 SB	7.4	E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	6		2.00			20.00 176.00	1.00				Mount Above Sign SW-21 Install on Existing Steel Sign Supports	
SW-22	Rock	IH 43 SB	7.4	E4-1-A	192" x 132" (16' x 11')	Exit Direction Sign with Arrow	140 Clinton [TR] Avalon											
SW-23	Rock	IH 43 SB	5.91	E8-1	192" x 90" (16' x 7.5')	Sequence Sign-Highways_Miles	X 5 39 90 6 Beloit 10	856.20		1.60	98.00	120.00	1.00			2.00	Install New Sign 700' South of Existing Sign (Type B Bases and Supports)	
SW-24	Iowa	USH 151 NB	43.96	E10-61	144" x 54" (12' x 4.5')	Hospital	HOSPITAL EXIT 44	498.80		1.20	68.00	54.00					Install 800' North of Advance Guide Sign (Type A Bases and Supports)	
SW-25	Iowa	USH 151 SB	45.71	E10-61	144" x 54" (12' x 4.5')	Hospital	HOSPITAL EXIT 44	491.60		1.20	68.00	54.00	1.00			3.00	Install 0.35 Mile South of Advance Guide Sign (Type A Bases and Supports)	
SW-26	Grant	USH 151 SB	20.41	E10-61	144" x 54" (12' x 4.5')	Hospital	HOSPITAL EXIT 19	490.40		1.20	68.00	54.00					Install 800' South of Cuba City Exit 19 Sign (Type A Bases and Supports)	
SW-27	Dane	USH 51 NB		E1-1-A	240" x 78" (20' x 6.5')	Advance Exit Guide Sign, _ Mile	Siggelkow Rd EXIT 1/4 MILE	966.60		1.60	98.00	130.00		1.00	2.00		0.34 Mile North of CTH MN (McFarland) (Type B Bases and Supports)	
SW-28	Dane	USH 51 NB		E4-1-A	276" x 54" (23' x 4.5')	Exit Direction Sign with Arrow	Siggelkow Rd [TR]	739.40		1.60	98.00	103.50		1.00	2.00		Install at Start Taper for Off Ramp (Type B Bases and Supports)	
SW-29	Dane	USH 51 SB		E1-1-A	240" x 78" (20' x 6.5')	Advance Exit Guide Sign, _ Mile	Siggelkow Rd EXIT 1/4 MILE	958.60		1.60	98.00	130.00		1.00	2.00		0.46 Mile South of Voges Rd (McFarland) (Type B Bases and Supports)	
SW-30	Dane	USH 51 SB		E4-1-A	276" x 54" (23' x 4.5')	Exit Direction Sign with Arrow	Siggelkow Rd [TR]	576.20		1.60	98.00	103.50		1.00	2.00		Install at Start Taper for Off Ramp (Type B Bases and Supports)	
SUB TOTALS								8950.02	16.00	18.00	1086.00	2723.50	16.00	4.00	11.00	10.00		
PROJECT NO: 1000-20-73						HWY: VARIOUS			COUNTY: VARIOUS – SW REGION				MISCELLANEOUS QUANTITIES			SHEET NO:		E

3

PROJECT NO: 1000-20-73

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

3

PERMANENT TYPE 1 SIGNS (SE REGION - Waukesha) (SHEET 1)												
Milwaukee County									635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	637.1220 SIGNS TYPE I REFLECTIVE SH S. F.	638.2601 REMOVING SIGNS TYPE I EACH	
SIGN NUMBER	COUNTY	ROUTE	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES				NOTES	
1	Milwaukee	IH 894 WB	South of Oklahoma Ave	E8-1	240" x 90" (20' x 7.5')	Sequence Sign-Highways_Miles	National Ave 3/4 Greenfield Ave 2 1/4 94 2 3/4		150.00	1.00	S-40-216 Reuse I Beams	
2A 2	Milwaukee	IH 894 WB	North of Beloit Rd	E1-5-P E1-1-A	108" x 30" 240" x 72" (20' x 6')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	2A National Ave 1 MILE	2.00	22.50 120.00	1.00	Mount Above Sign 2 Ground Mounted Reuse I Beams	
3A 3	Milwaukee	IH 894 EB	North of Beloit Rd	E1-5-P E1-1-A (Mod)	96" x 30" 312" x 204" (26' x 17')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	4 EAST SOUTH 43 894 43 45 Chicago Beloit LEFT RIGHT 1 MILE	3.00	20.00 442.00	1.00	Mount Above Sign 3 Ground Mounted Reuse I Beams	
4A 4	Milwaukee	IH894 EB	North of Howard Ave	E1-5-P E1-1-A (Mod)	96" x 30" 384" x 168" (32' x 14')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	4 EAST SOUTH 43 894 43 45 Chicago Beloit EXIT ONLY 1/2 MILE		20.00 448.00	1.00	Mount Above Sign 4 S-40-18 Reuse I Beams	
5	Milwaukee	IH 894 WB	South of Beloit Rd	E8-1	240" x 90" (20' x 7.5')	Sequence Sign-Highways_Miles	Beloit Rd 1/2 National Ave 1 3/4 Greenfield Ave 3/4		150.00	1.00	S-40-217 Reuse I Beams	
6	Milwaukee	IH 894 EB	South of Beloit Rd	E8-1	240" x 90" (20' x 7.5')	Sequence Sign-Highways_Miles	43 1/2 84th St 1 1/2 60th St 3		150.00	1.00	S-40-217 Reuse I Beams	
7	Milwaukee	IH 894 EB	South of Beloit Rd	E3-1 (Mod)	192" x 102" (16' x 9')	Destination-Next Right-Exit Number	To Gen Mitchell Int'l Airport FOLLOW 894	2.00	136.00	1.00	Reuse I Beams	
8A 8	Milwaukee	IH 894 WB	North of Coldspring Rd	E1-5-P E1-1-A	96" x 30" 180" x 84" (15' x 7')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	3 Beloit Rd 3/4 MILE	2.00	20.00 105.00	1.00	Mount Above Sign 8 Reuse I Beams	
9A 9	Milwaukee	IH 894 EB	North of Coldspring Rd	E1-5-P E6-51 E11-1	96" x 30" 204" x 90" (17' x 7.5) 204" x 36" (17' x 3')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign (Overhead) Exit (Single Down Arrow) Only	4 43 45 SOUTH Beloit EXIT [DA] ONLY		20.00 178.50	1.00	Mount Above Sign 9 S-40-805 Reuse I Beams	
10A 10	Milwaukee	IH 894 WB	West of 92nd Street	E1-5-bP E6-1 E11-1D (Mod)	96" x 48" 168" x 102" (14' x 8.5') 168" x 30" (14' x 2.5')	Exit Number for E1-1 & E4-1 (LEFT EXIT) Exit Gore Sign (Overhead) Exit (Single Tilt Left Arrow) Only	LEFT EXIT 4 SOUTH 43 45 Beloit EXIT [TL] ONLY		32.00 154.00	1.00	Mount Above Sign 10 S-40-66 I Beams Incidental	
11A 11	Milwaukee	IH 894 EB	West of 92nd Street	E1-5-P E1-1-A	144" x 30" 228" x 78" (19' x 6.5')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign, _ Mile	5 A-B 76-84th St 1/2 MILE	2.00	30.00 123.50	1.00	Mount Above Sign 11 Reuse I Beams	
12A 12	Milwaukee	IH 894 WB	East of 92nd Street	E1-5-P E6-51 E11-1	96" x 30" 204" x 90" (17' x 7.5') 204" x 36" (17' x 3')	Exit Number for E1-1 & E4-1 Advance Exit Guide Sign (Overhead) Exit (Single Down Arrow) Only	4 43 45 SOUTH Beloit EXIT [DA] ONLY		20.00 178.50	1.00	Mount Above Sign 12 S-40-810 Reuse I Beams	
13	Milwaukee	IH 894 EB	West of 84th Street	E8-1	204" x 90" (17' x 7.5')	Sequence Sign-Highways_Miles	60th St 3 Loomis Rd 2 3/4 27th Ave 3 3/4		127.50	1.00	S-40-218 Reuse I Beams	
14	Milwaukee	IH 894 WB	West of 84th Street	E8-1	228" x 90" (19' x 7.5')	Sequence Sign-Highways_Miles	45 1/2 Beloit Rd 1 1/2 National Ave 3		142.50	1.00	S-40-218 Reuse I Beams	
SUB TOTALS									11.00	2790.00	14.00	

PROJECT NO: 1000-20-73	HWY: VARIOUS	COUNTY: VARIOUS – SE REGION	MISCELLANEOUS QUANTITIES	SHEET NO:	E
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PERMANENT TYPE 1 SIGNS (SE REGION - Waukesha) (SHEET 2)										635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	637.1220 SIGNS TYPE I REFLECTIVE SH S. F.	638.2601 REMOVING SIGNS TYPE I EACH	NOTES
SIGN NUMBER	COUNTY	ROUTE	LOCATION	SIGN CODE	SIZE	DESCRIPTION	ORDER LINES						
15A				E1-5-bP	96" x 48"	Exit Number for E1-1 & E4-1 (LEFT EXIT)	LEFT EXIT 4			32.00		Mount Above Sign 15 S-40-81 Reuse I Beams	
15	Milwaukee	IH 894 WB	East of 84th Street	E1-4	372" x 144" (31' x 12')	Diagramatic Guide Sign	SOUTH 43 45 Beloit EXIT ONLY	NORTH 894 45		372.00	1.00		
16A				E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	7			20.00		Mount Above Sign 16	
16	Milwaukee	IH 894 EB	West of Forest Home Ave	E1-1-A	216" x 84" (18' x 7')	Advance Exit Guide Sign, _ Mile	60th St 1 MILE		2.00	126.00	1.00	Reuse I Beams - Ground Mounted	
17	Milwaukee	IH 894 WB	East of 76th Street	E8-1	276" x 90" (23' x 7.5')	Sequence Sign-Highways_Miles	Forest Home Ave 1/4 45 1 1/2 Beloit Rd 2 1/2			172.50	1.00	S-40-219 Reuse I Beams	
18A				E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	5A			22.50		Mount Above Sign 18	
18	Milwaukee	IH 894 WB	East of 76th Street	E6-51	252" x 114" (21' x 9.5')	Advance Exit Guide Sign (Overhead)	24 WEST Forest Home Ave 1/2 MILE			199.50	1.00	S-40-63 Reuse I Beams	
19A				E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	5B			22.50		Mount Above Sign 19	
19	Milwaukee	IH 894 WB	East of 76th Street	E6-1	156" x 72" (13' x 6')	Exit Gore Sign (Overhead)	76th Street [TR]			78.00	1.00	S-40-63 Reuse I Beams	
20A				E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	5A			22.50		Mount Above Sign 20	
20	Milwaukee	IH 894 WB	East of 76th Street	E4-1-A	300" x 96" (25' x 8')	Exit Direction Sign with Arrow	24 WEST [TR] Forest Home Ave		2.00	200.00	1.00	Reuse I Beams - Ground Mounted	
21A				E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	5B			22.50		Mount Above Sign 21	
21	Milwaukee	IH 894 WB	West of 68th Street	E4-1-A	168" x 84" (14' x 7')	Exit Direction Sign with Arrow	76th St [TR]		2.00	98.00	1.00	Reuse I Beams - Ground Mounted	
22	Milwaukee	IH 894 EB	West of 68th Street	E8-1	192" x 90" (16' x 7.5')	Sequence Sign-Highways_Miles	60th St 1/4 Loomis Rd 1 1/4 27th St 2 1/4			120.00	1.00	S-40-220 Reuse I Beams	
23	Milwaukee	IH 894 WB	East of 68th Street	E8-1	276" x 90" (23' x 7.5')	Sequence Sign-Highways_Miles	76th ST 1/4 Forest Home Ave 3/4 45 2			172.50	1.00	S-40-220 Reuse I Beams	
24A				E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	7			20.00		Mount Above Sign 24	
24	Milwaukee	IH 894 EB	East of 68th Street	E4-1-A	156" x 72" (13' x 6')	Exit Direction Sign with Arrow	60th Street [TR]		2.00	78.00	1.00	Reuse I Beams - Ground Mounted	
25A				E1-5-bP	96" x 48"	Exit Number for E1-1 & E4-1 (LEFT EXIT)	LEFT EXIT 4			32.00		Mount Above Sign 25	
25	Milwaukee	IH 894 WB	East of 68th Street	E1-1-A (Mod)	252" x 204" (21' x 17')	Advance Exit Guide Sign, _ Mile	SOUTH 43 45 Beloit LEFT 2 MILES	NORTH 894 45	3.00	357.00	1.00	Reuse I Beams - Ground Mounted	
26A				E1-5-P	108" x 30"	Exit Number for E1-1 & E4-1	8A			22.50		Mount Above Sign 26	
26	Milwaukee	IH 894 EB	West of 60th Street	E1-1-A	204" x 126" (17' x 10.5')	Advance Exit Guide Sign, _ Mile	36 Loomis Rd 3/4 MILE		2.00	178.50	1.00	Reuse I Beams - Ground Mounted	
27A				E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	7			20.00		Mount Above Sign 27	
27	Milwaukee	IH 894 WB	East of 60th Street	E4-1-A	168" x 84" (14' x 7')	Exit Direction Sign with Arrow	60th St [TR]			98.00	1.00	S-40-9 Reuse I Beams	
28	Milwaukee	IH 894 EB	East of 60th Street	E8-1	192" x 90" (16' 7.5')	Sequence Sign-Highways_Miles	Loomis Rd 1/4 27th St 1 1/4 94 2			120.00	1.00	S-40-222 Reuse I Beams	
29	Milwaukee	IH 894 WB	East of 60th Street	E8-1	264" x 90" (22' x 7.5')	Sequence Sign-Highways_Miles	60th St 1/4 76th St 1 1/4 Forest Home Ave 1 3/4			165.00	1.00	S-40-222 Reuse I Beams	
30A				E1-5-P	96" x 30"	Exit Number for E1-1 & E4-1	7			20.00		Mount Above Sign 30	
30	Milwaukee	IH 894 WB	East of 60th Street	E1-1-A	228" x 84" (19' x 7')	Advance Exit Guide Sign, _ Mile	60th Street 1/2 MILE		2.00	133.00	1.00	Reuse I Beams - Ground Mounted	
SUB TOTALS										15.00	2924.50	16.00	

PROJECT NO: 1000-20-73				HWY: VARIOUS		COUNTY: VARIOUS – SE REGION		MISCELLANEOUS QUANTITIES		SHEET NO:		E
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PERMANENT SIGNS TYPE 1 & TYPE II - SUMMARY OF QUANTITIES

REGION (LOCATIONS)	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS LB	635.0300 SIGN SUPPORTS REPLACING BASE CONNECTION BOLTS EACH	636.0100 SIGN SUPPORTS CONCRETE MASONRY CY	636.0500 SIGNS SUPPORTS STEEL REINFORCEMENT LB	637.1220 SIGNS TYPE I REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F S. F.	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 STRUCURAL STEEL SIGN SUPPORTS EACH
NE REGION - Green Bay Brown & Winnebago Counties					1875.50	45.00	1.00	15.00			
NC REGION - Wisconsin Rapids Marathon, Waupaca, Marquette, Waushara & Lincoln Counties	808.20	32.00	1.60	98.00	1256.00			17.00			2.00
NW REGION - Eau Claire Chippewa County	11202.29	12.00	20.00	1188.00	2558.00		6.00	13.00			26.00
SW REGION - La Crosse - Madison Columbia, Rock, Iowa & Dane Counties	8950.02	16.00	18.00	1086.00	2723.50			16.00	4.00	11.00	10.00
SE REGION - Waukesha (SHEET 1) Milwaukee County		11.00			2790.00			14.00			
SE REGION - Waukesha (SHEET 2) Milwaukee County		15.00			2924.50			16.00			
TOTALS	20960.51	86.00	39.60	2372.00	14127.50	45.00	7.00	91.00	4.00	11.00	38.00

PROJECT NO: 1000-20-73

HWY: VARIOUS

COUNTY: VARIOUS – STATE WIDE

MISCELLANEOUS QUANTITIES

SHEET NO:

E

Standard Detail Drawing List

15D12-04	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D14-02	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)
15D15-01	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-02	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-02	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D22-02	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

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.

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.

*** A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES. INCLUDE A 65 MPH RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIREABLE) BEYOND THE "END OF ROADWORK" SIGN.

TYPE III BARRICADE WITH ATTACHED SIGN

© SIGN ON PERMENENT SUPPORT

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

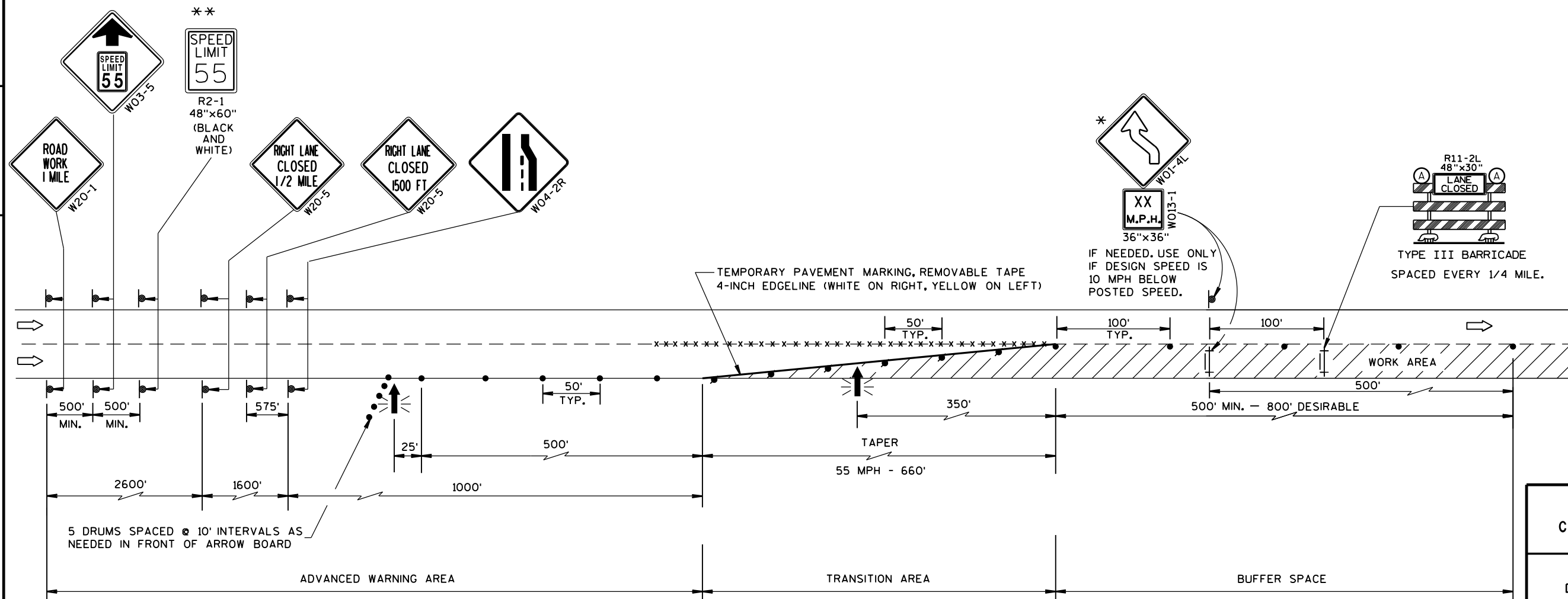
- TRAFFIC CONTROL DRUM

 FLASHING ARROW BOARD

Ⓐ TYPE "A" WARNING LIGHT (FLASHING)

~~x-x-x~~ REMOVING PAVEMENT MARKING

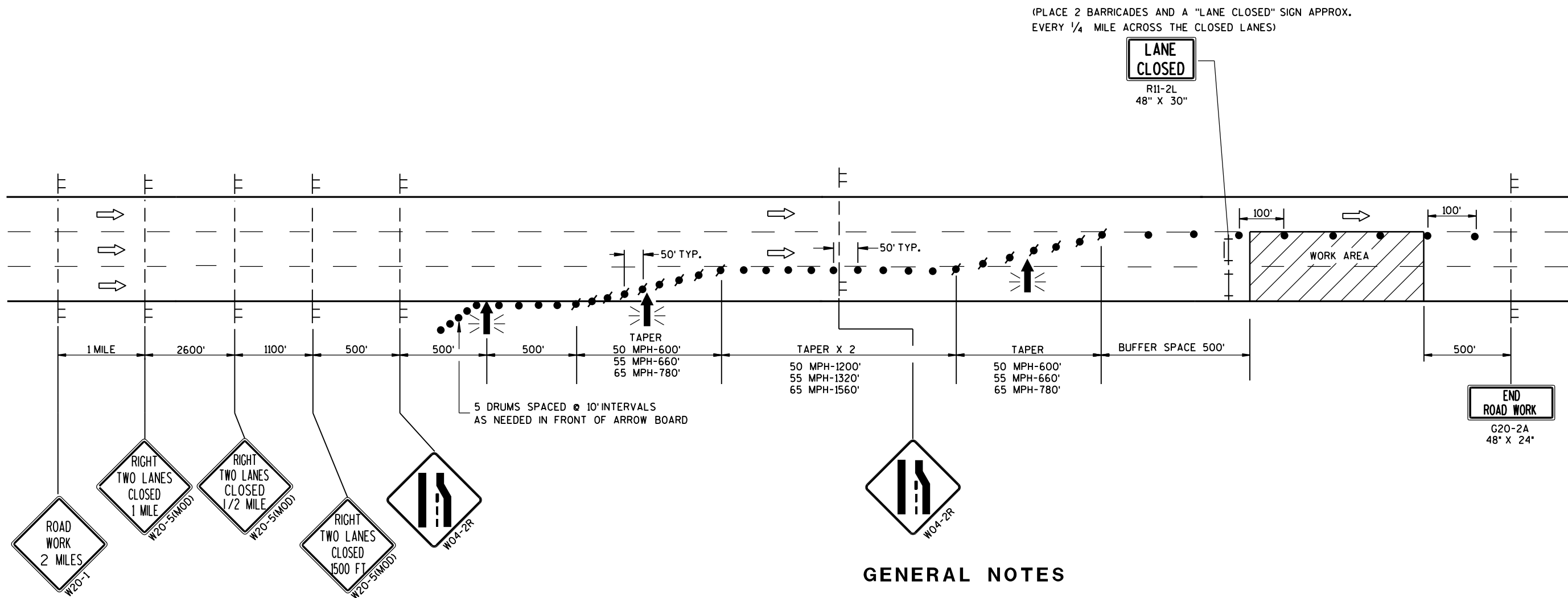
➡ DIRECTION OF TRAFFIC

 WORK AREA

TRAFFIC CONTROL, LANE
CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3-2014 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
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.

W20-1 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.

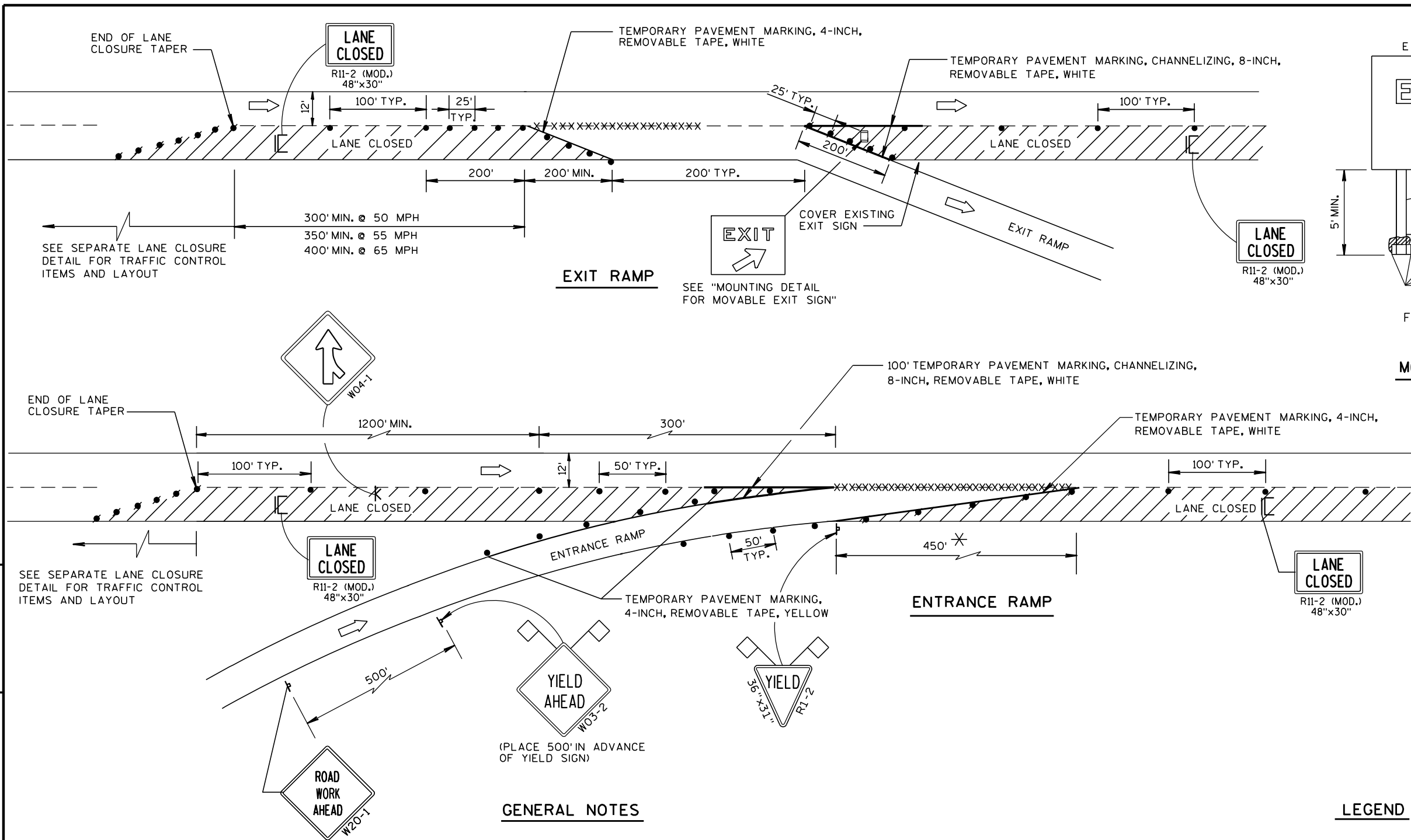
WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

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 8/2013 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN
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 R11-2 (MOD.) "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.

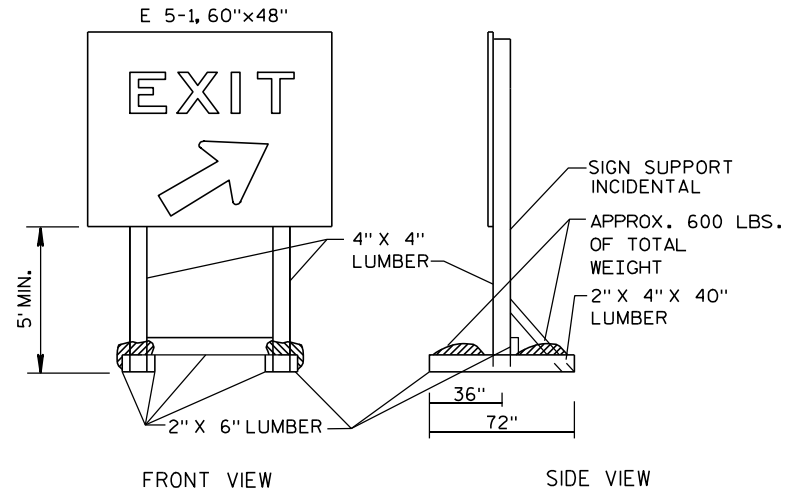
IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.



FRONT VIEW SIDE VIEW

NOTE: ALL LUMBER DIMENSIONS ARE NOMINAL

MOUNTING DETAIL FOR MOVABLE EXIT SIGN

LEGEND

- POST MOUNTED SIGN
- SIGN ON PORTABLE SUPPORT
- TRAFFIC CONTROL, DRUM
- TRAFFIC CONTROL, DRUM WITH WARNING LIGHT, TYPE C (STEADY-BURN)
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE (8' EQUIVALENT) WITH SIGN
- FLAGS, 16"x16" MIN., ORANGE
- DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/24/2000 DATE /S/ Chester J. Spang
CHIEF SIGNS AND MARKING ENGINEER
FHWA

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

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.

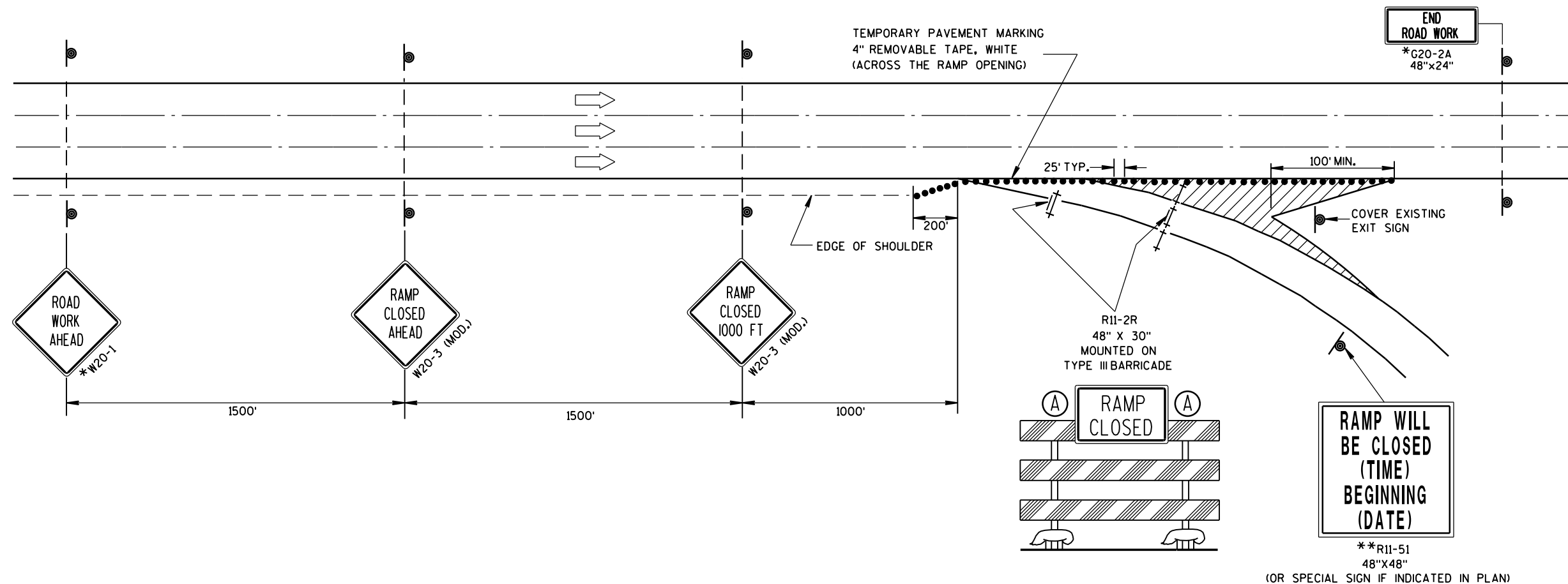
PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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.

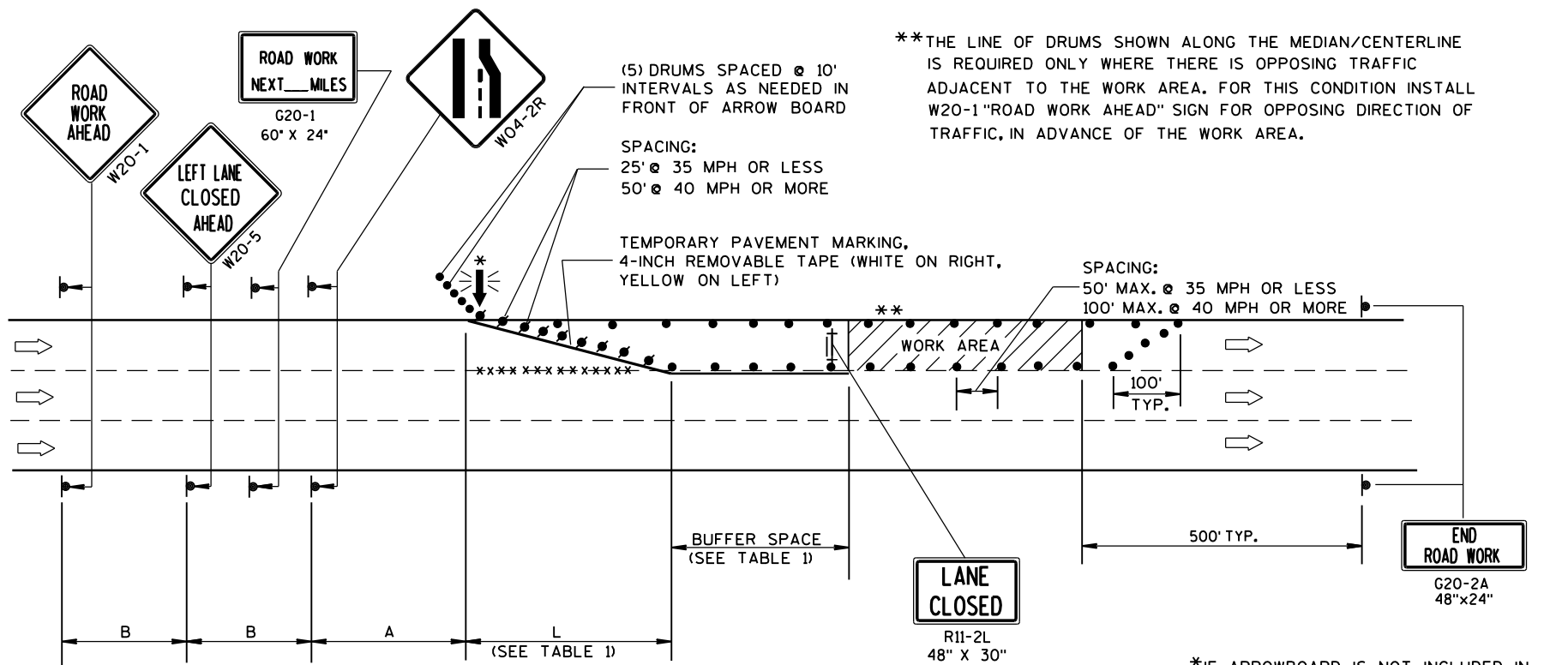
** PLACE "RAMP WILL BE CLOSED" SIGN 10 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



TRAFFIC CONTROL,
EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



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

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

TABLE 1
TAPER AND BUFFER SPACE
FOR 12' LANE WIDTH

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

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

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

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

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

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

LEGEND

- 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

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.

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

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

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

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

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

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

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/2013

DATE

FHWA

/S/ Travis Feltes

STATE TRAFFIC ENGINEER OF DESIGN

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.

"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.

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

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

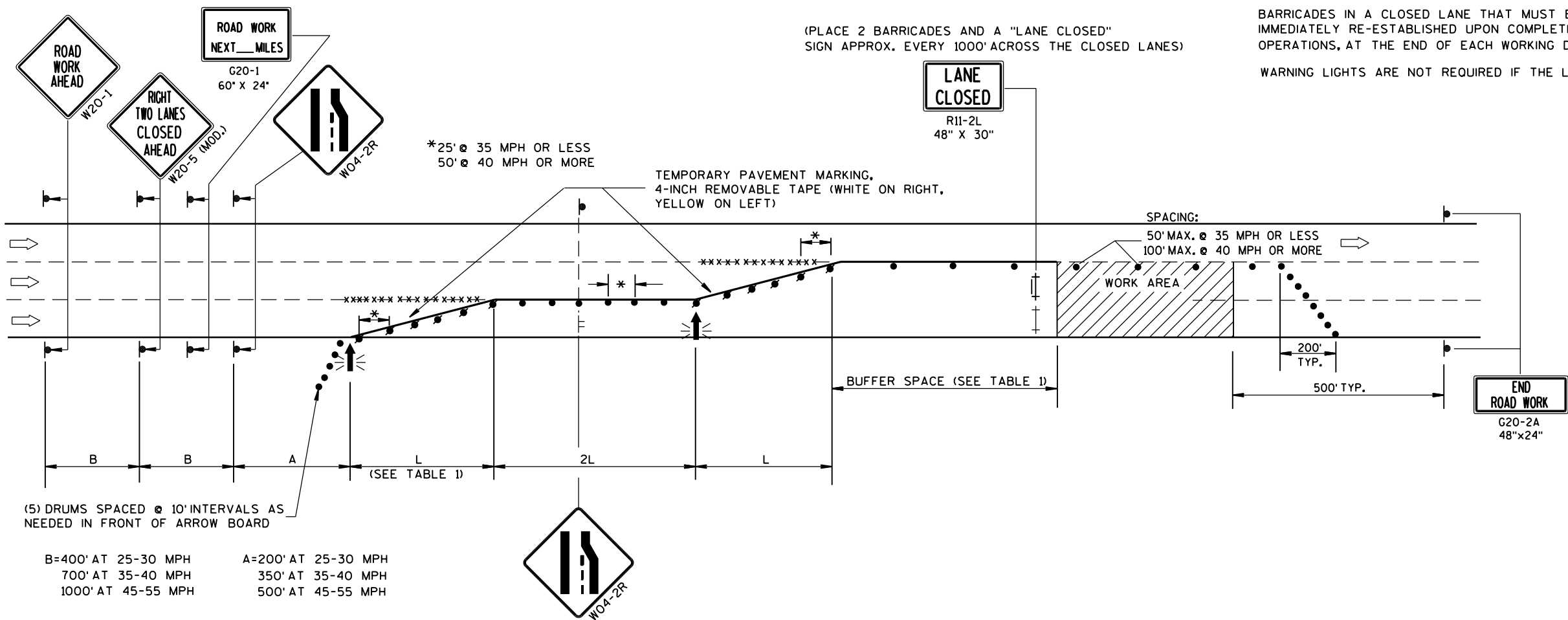
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

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.



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

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.

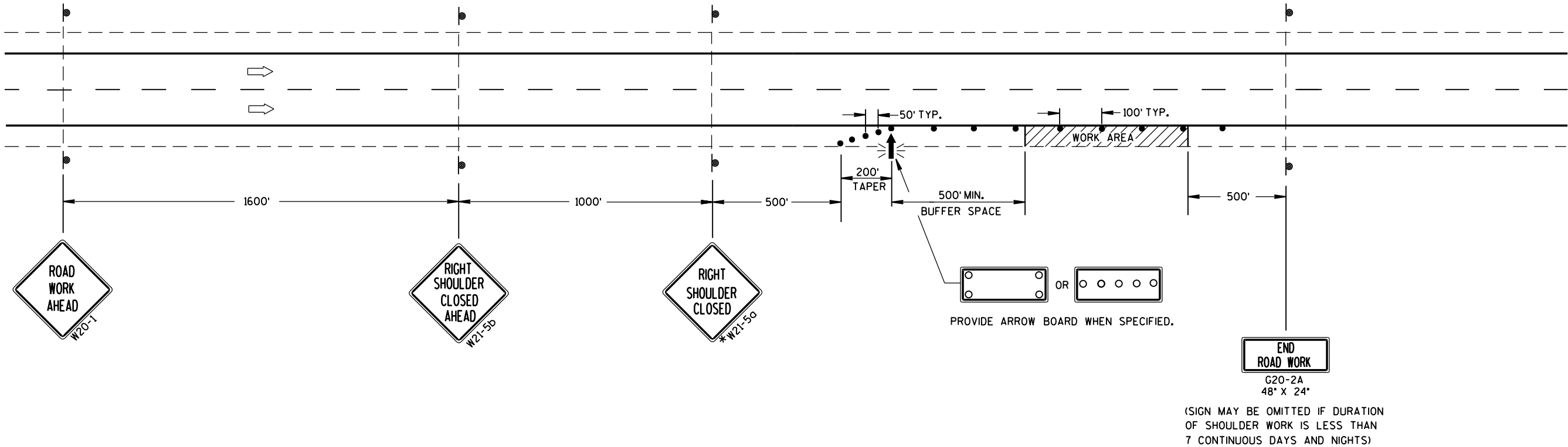
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

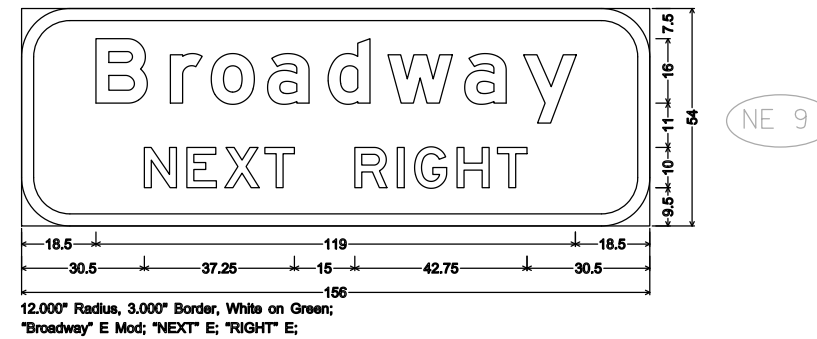
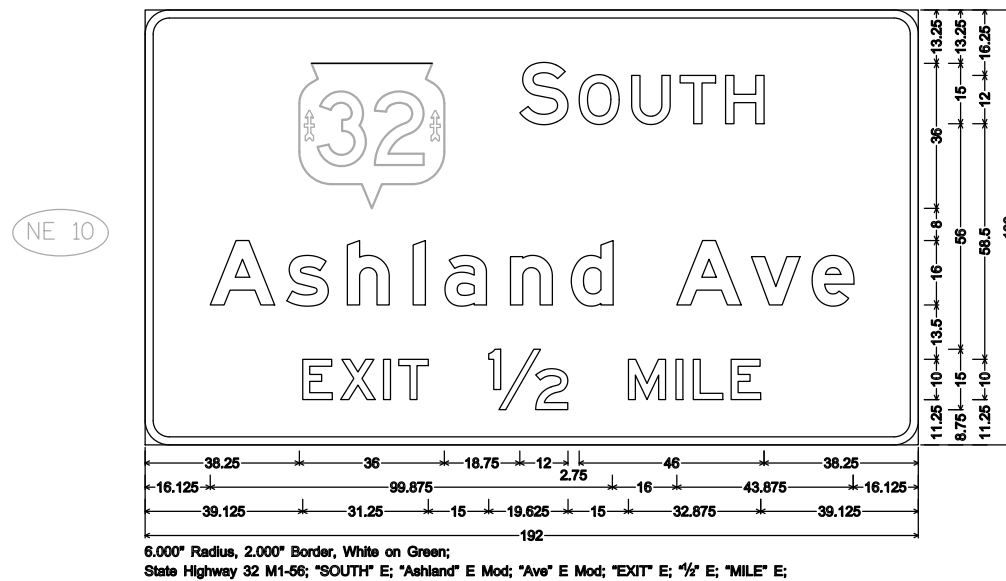
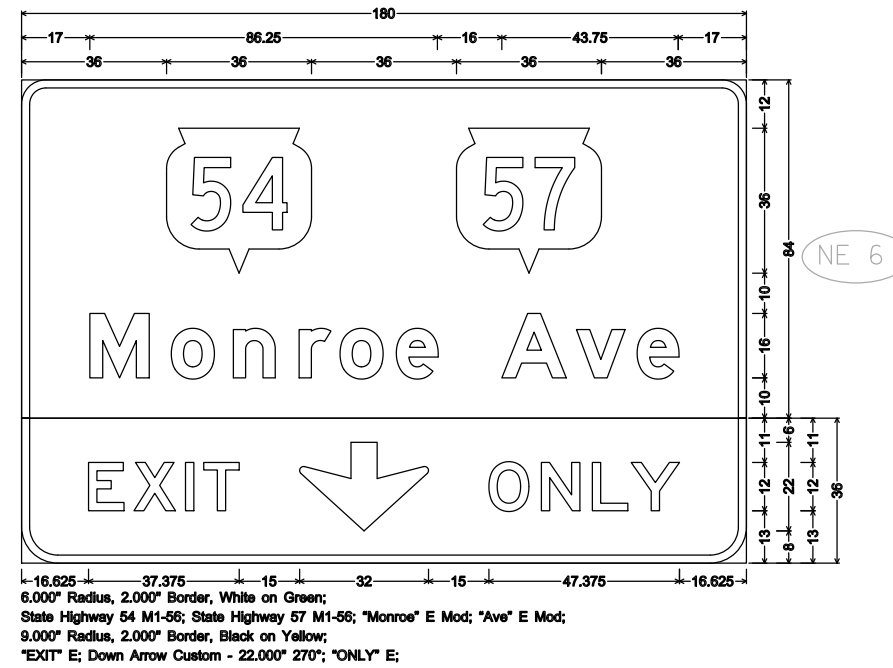
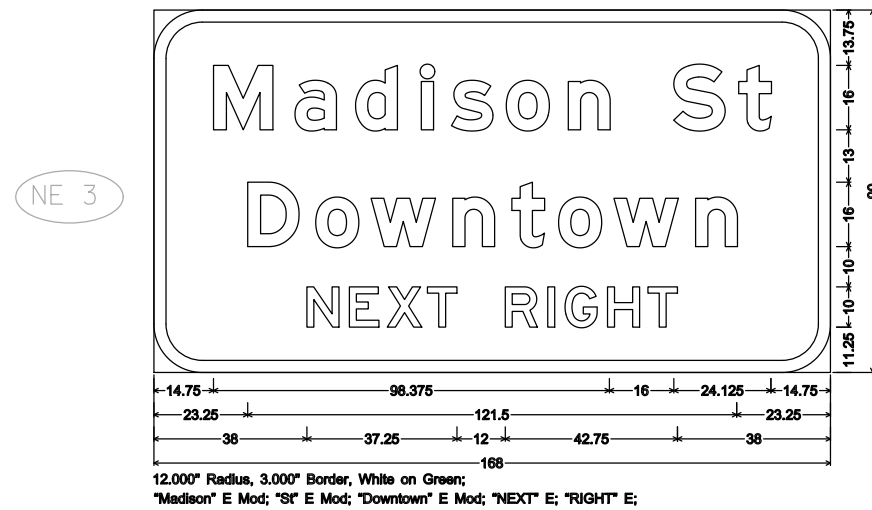
*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.

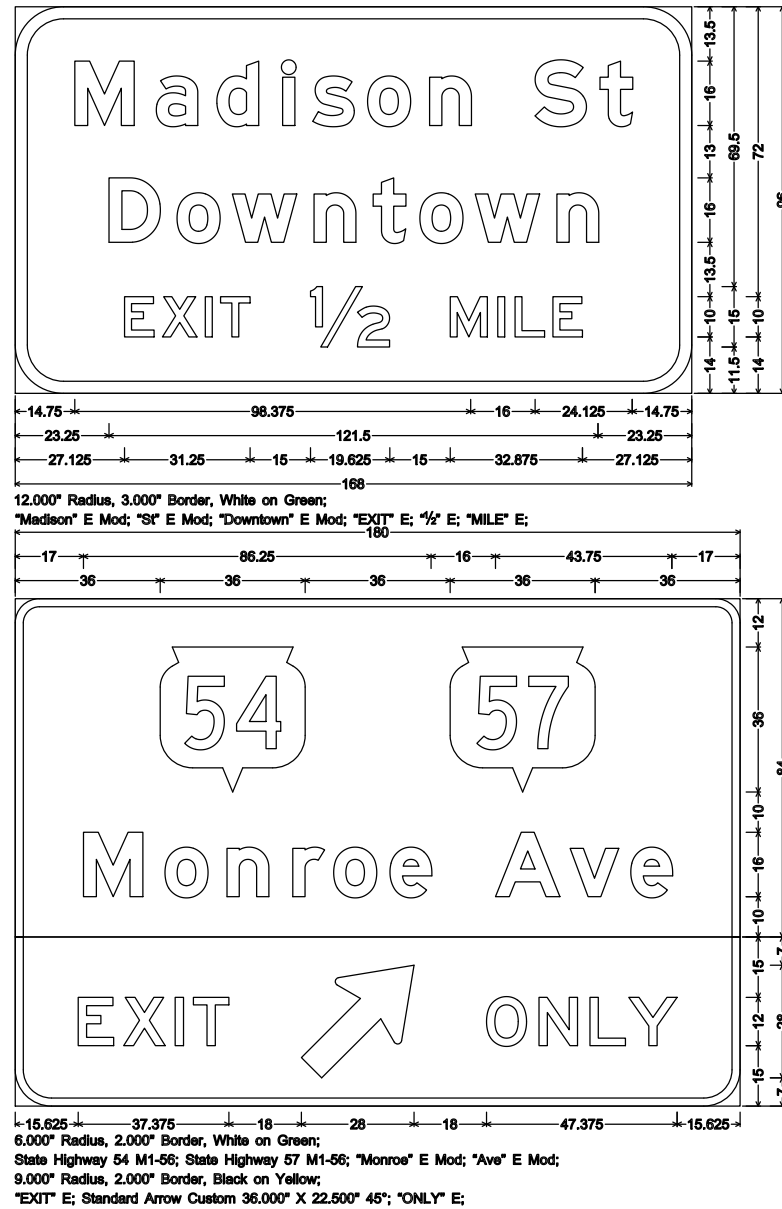


TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/2013 DATE	/S/ Travis Feltz STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

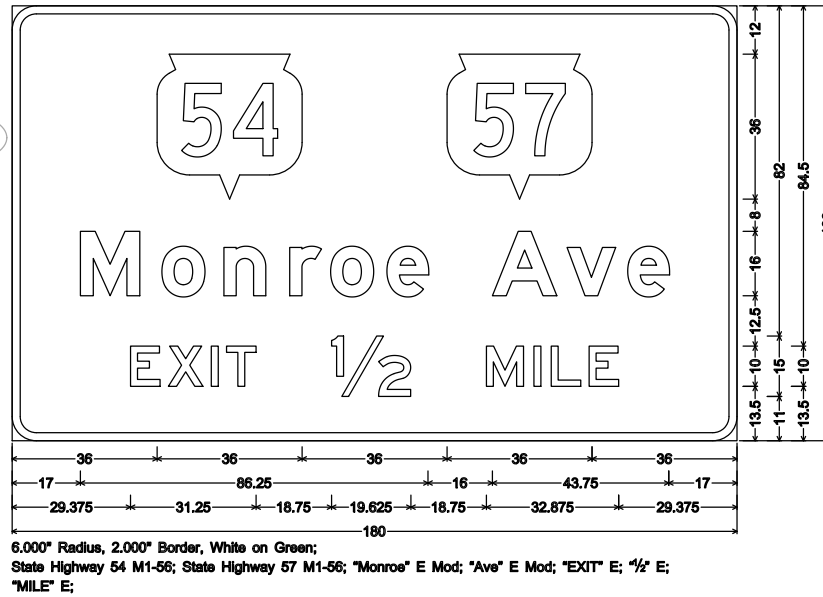
NOTES

1. All Signs are Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White except as noted
3. Message Series - All CAP Letters are Series E. All Upper/Lower case Letters are Series E Modified.

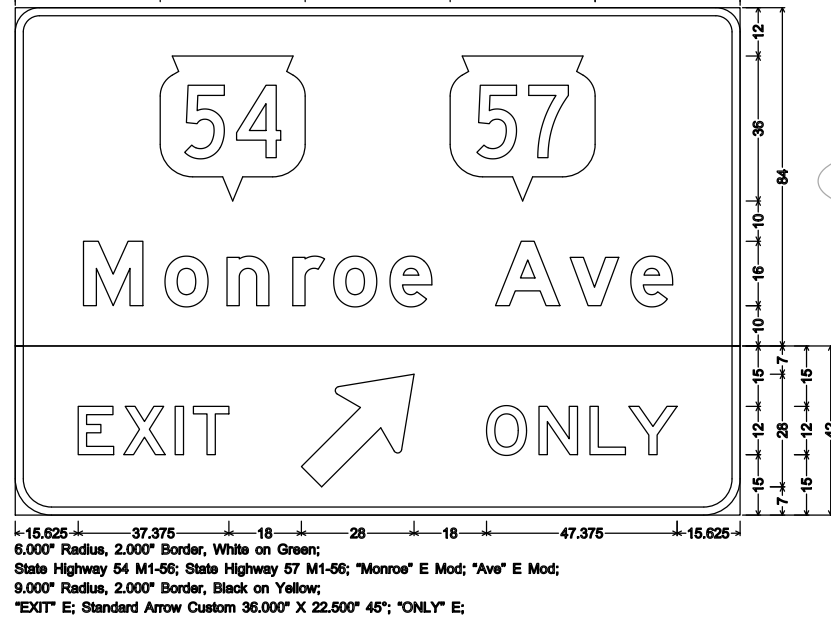




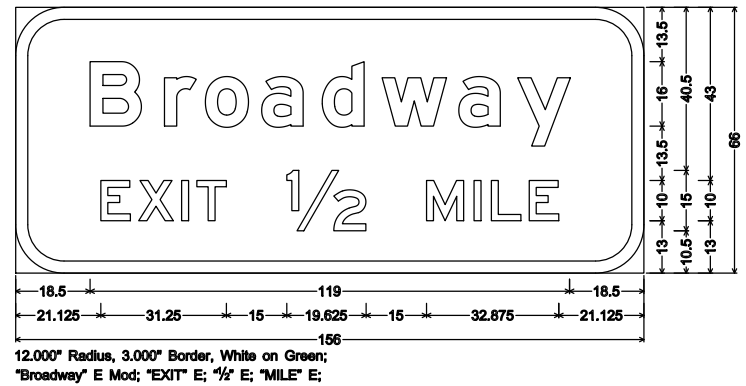
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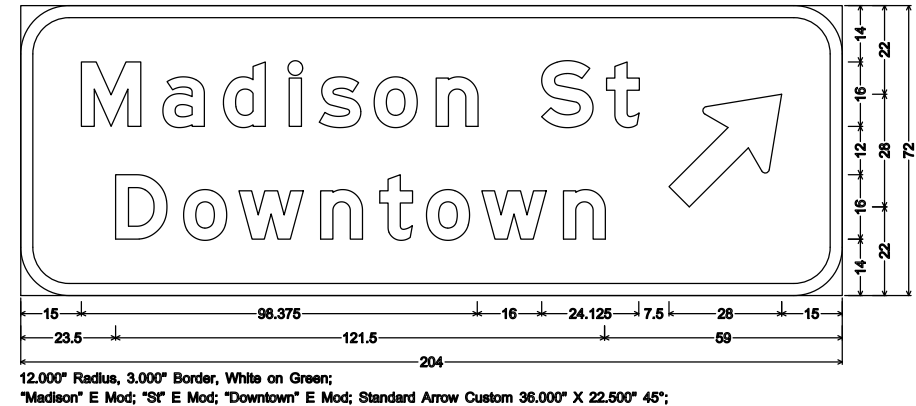
NE 4



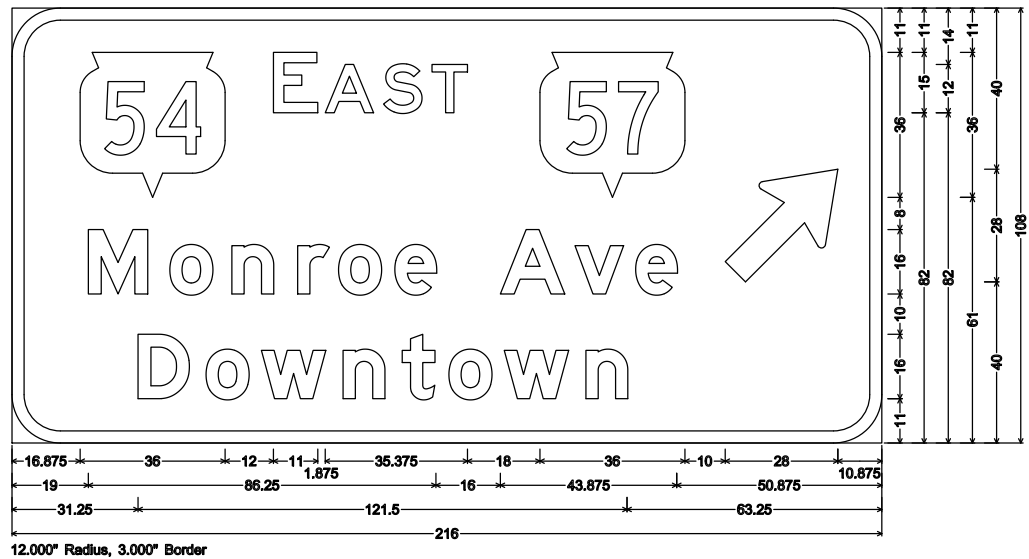
NE 7



NE 8



NE 5



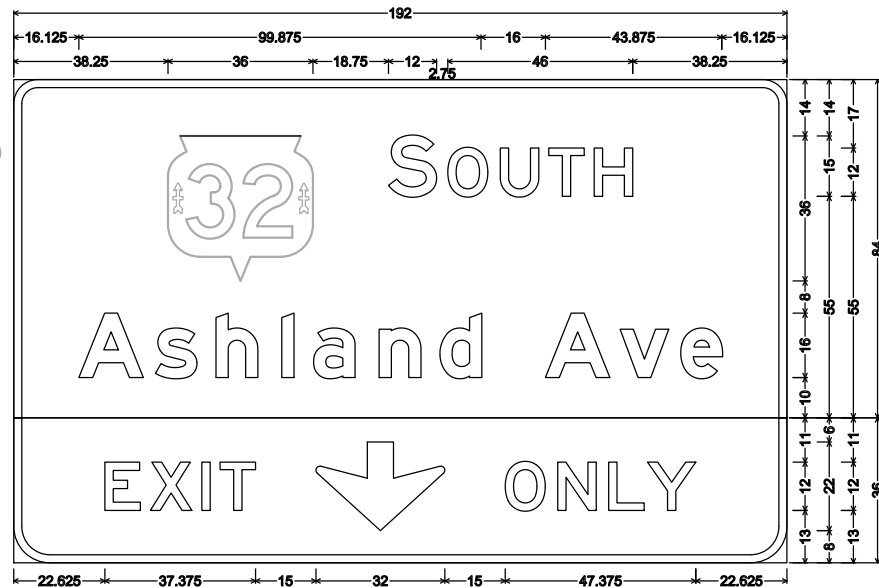
NE 15

NOTES

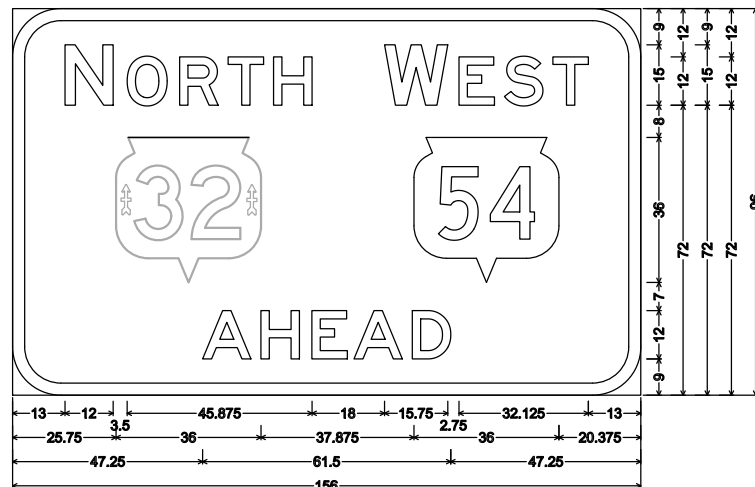
1. All Signs are Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White except as noted
3. Message Series - All CAP Letters are Series E. All Upper/Lower case Letters are Series E Modified.

7

NE 13

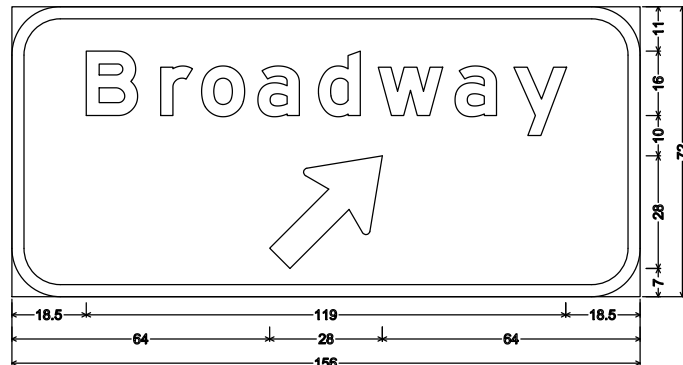


22.625 37.375 15 32 15 47.375 22.625
6.000" Radius, 2.000" Border, White on Green;
State Highway 32 M1-56; "SOUTH" E; "Ashland" E Mod; "Ave" E Mod;
9.000" Radius, 2.000" Border, Black on Yellow;
"EXIT" E; Down Arrow Custom - 22.000" 270"; "ONLY" E;



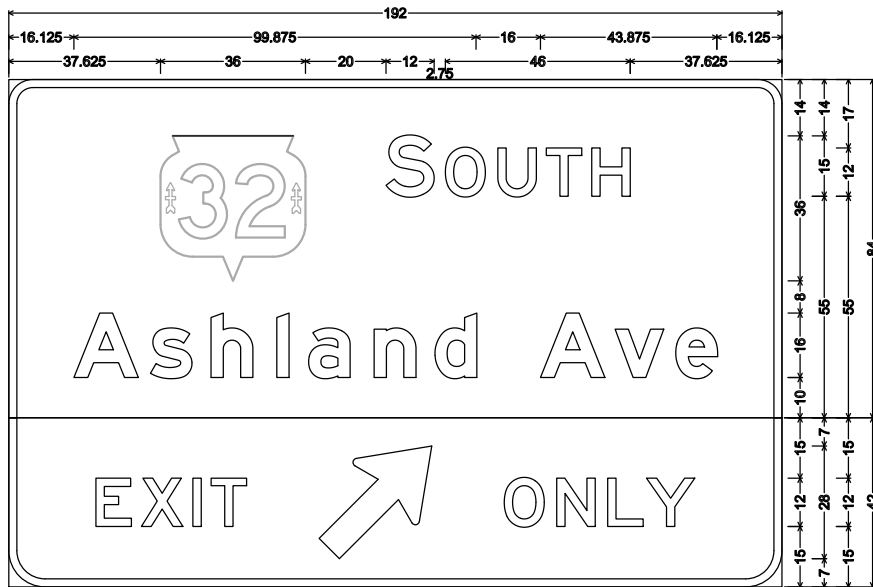
12.000" Radius, 3.000" Border, White on Green;
"NORTH" E; State Highway 32 M1-56; "WEST" E; State Highway 54 M1-56; "AHEAD" E;

NE 12



12.000" Radius, 3.000" Border, White on Green;
"Broadway" E Mod; Standard Arrow Custom 36.000" X 22.500" 45°;

NE 11



21.625 37.375 18 28 18 47.375 21.625
6.000" Radius, 2.000" Border, White on Green;
State Highway 32 M1-56; "SOUTH" E; "Ashland" E Mod; "Ave" E Mod;
9.000" Radius, 2.000" Border, Black on Yellow;
"EXIT" E; Standard Arrow Custom 36.000" X 22.500" 45°; "ONLY" E;

NE 1

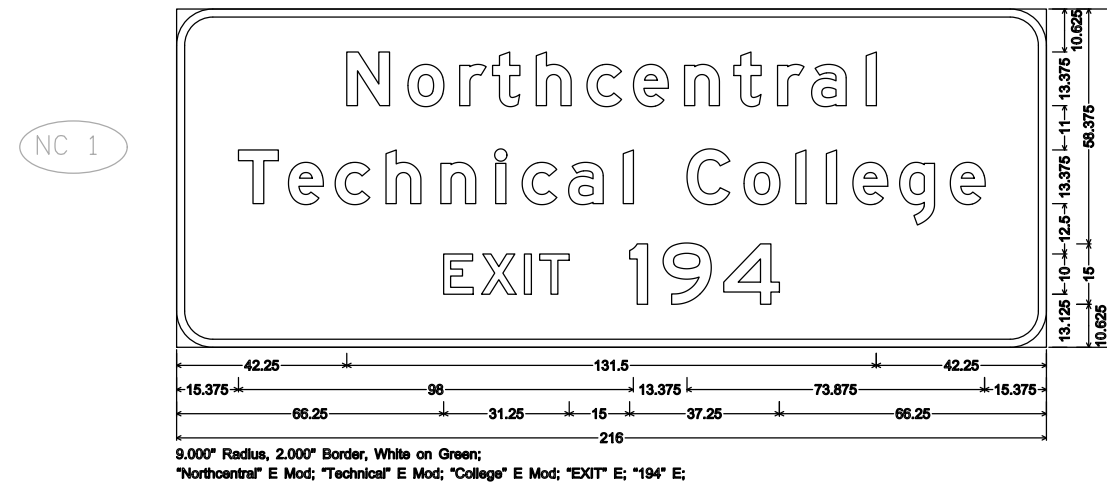
NE 14

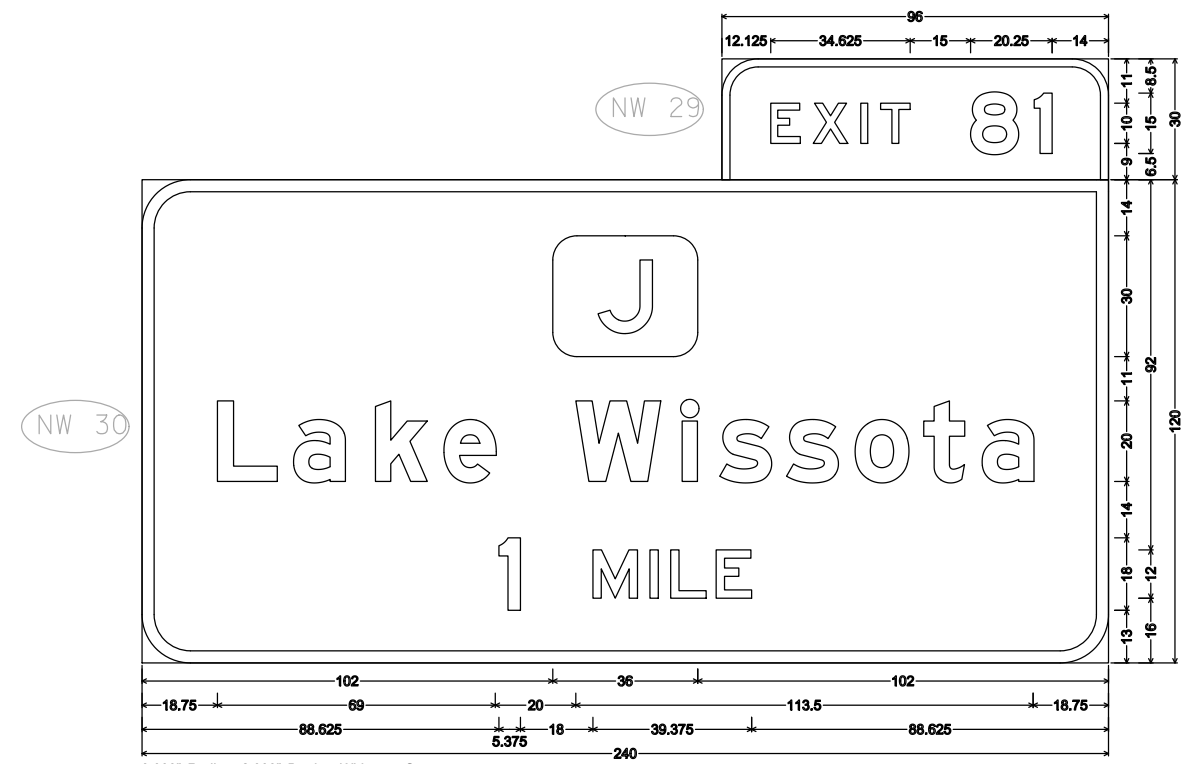
NOTES

1. All Signs are Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White except as noted
3. Message Series - All CAP Letters are Series E. All Upper/Lower case Letters are Series E Modified.

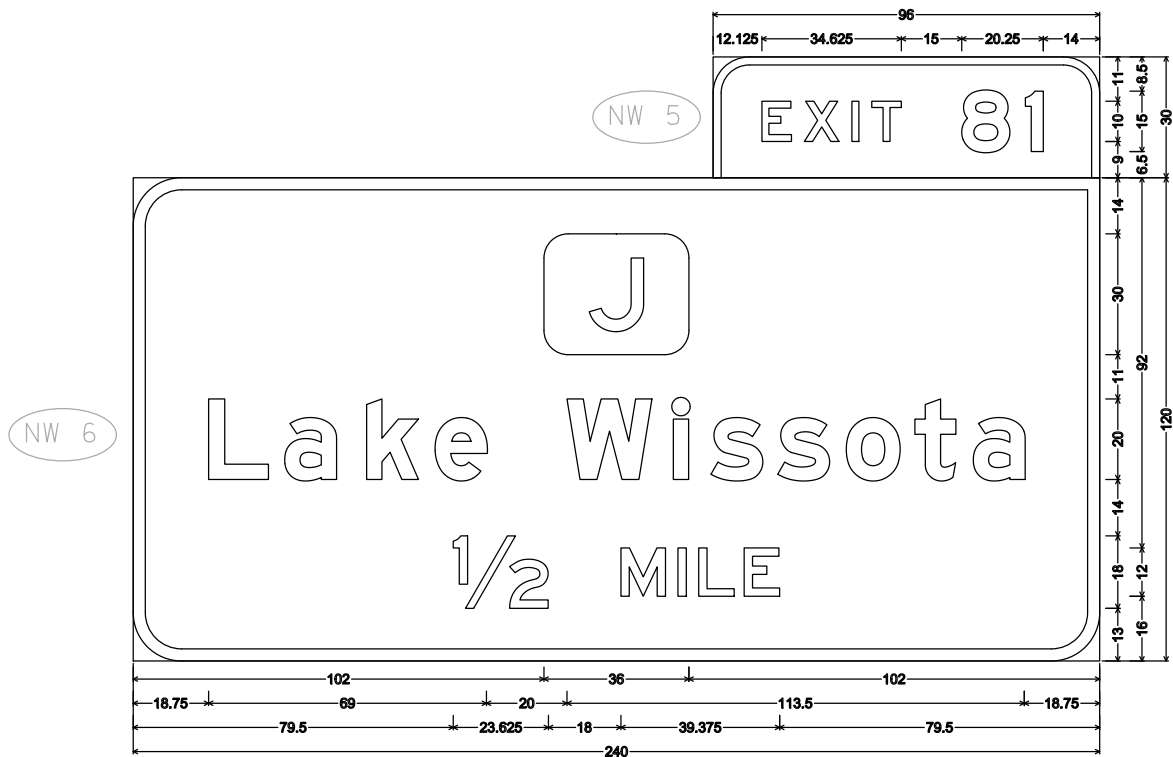
NOTES

1. All Signs are Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White except as noted
3. Message Series - All CAP Letters are Series E. All
Upper/Lower case Letters are Series E Modified.





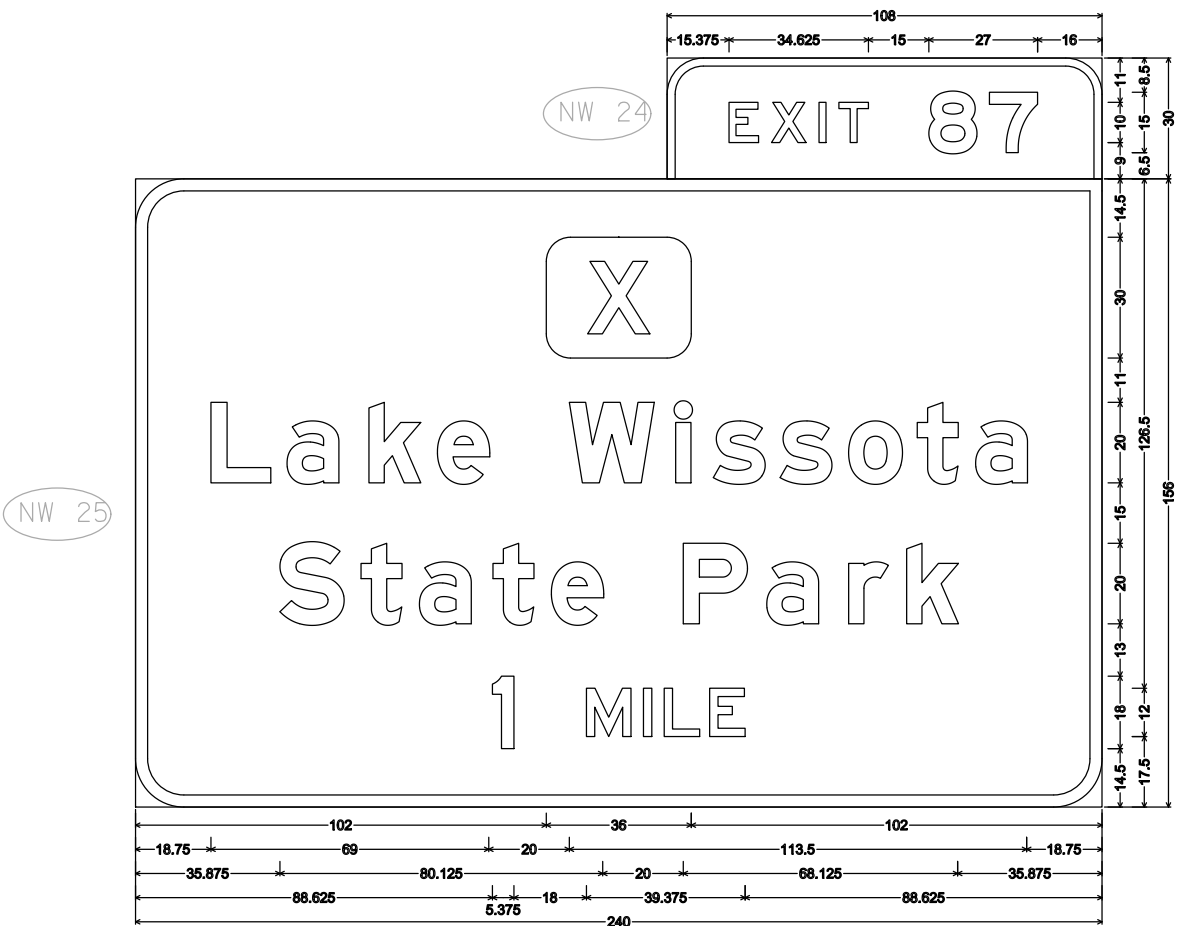
9.000" Radius, 2.000" Border, White on Green;
"EXIT" E specified length; "81" E Mod;
12.000" Radius, 3.000" Border, White on Green;
Square County J M1-55-2; "Lake" E Mod; "Wissota" E Mod; "1" E; "MILE" E;



9.000" Radius, 2.000" Border, White on Green;
"EXIT" E specified length; "81" E Mod;
12.000" Radius, 3.000" Border, White on Green;
Square County J M1-55-2; "Lake" E Mod; "Wissota" E Mod; "1/2" E; "MILE" E;

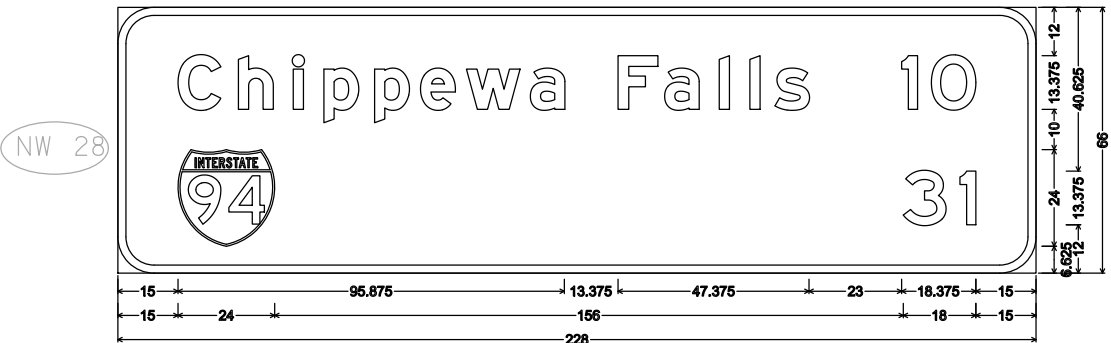
NW 6

- NOTES
1. All Signs are Type I- Type SH Reflective
 2. Color:
Background - Green except as noted
Message - White except as noted
 3. Message Series - All CAP Letters are Series E. All
Upper/Lower case Letters are Series E Modified.

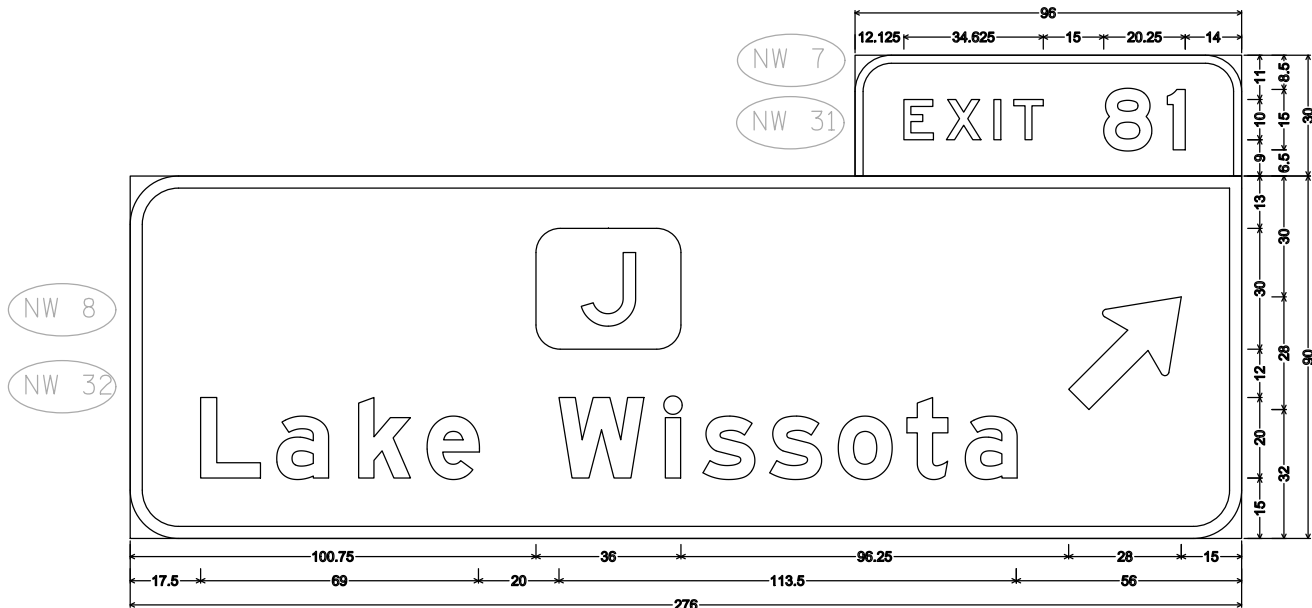


9.000" Radius, 2.000" Border, White on Brown;
"EXIT" E specified length; "87" E Mod;
12.000" Radius, 3.000" Border, White on Brown;
Square County X M1-55-2; "Lake" E Mod; "Wissota" E Mod; "State" E Mod; "Park" E Mod; "1" E; "MILE" E;

NW 25

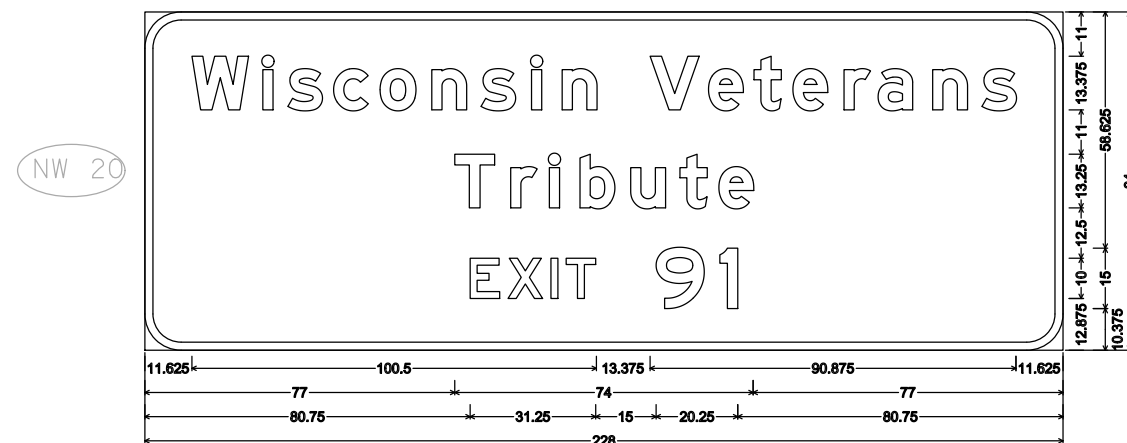


9.000" Radius, 2.000" Border, White on Green;
"Chippewa" E Mod; "Falls" E Mod; "10" E; "31" E;

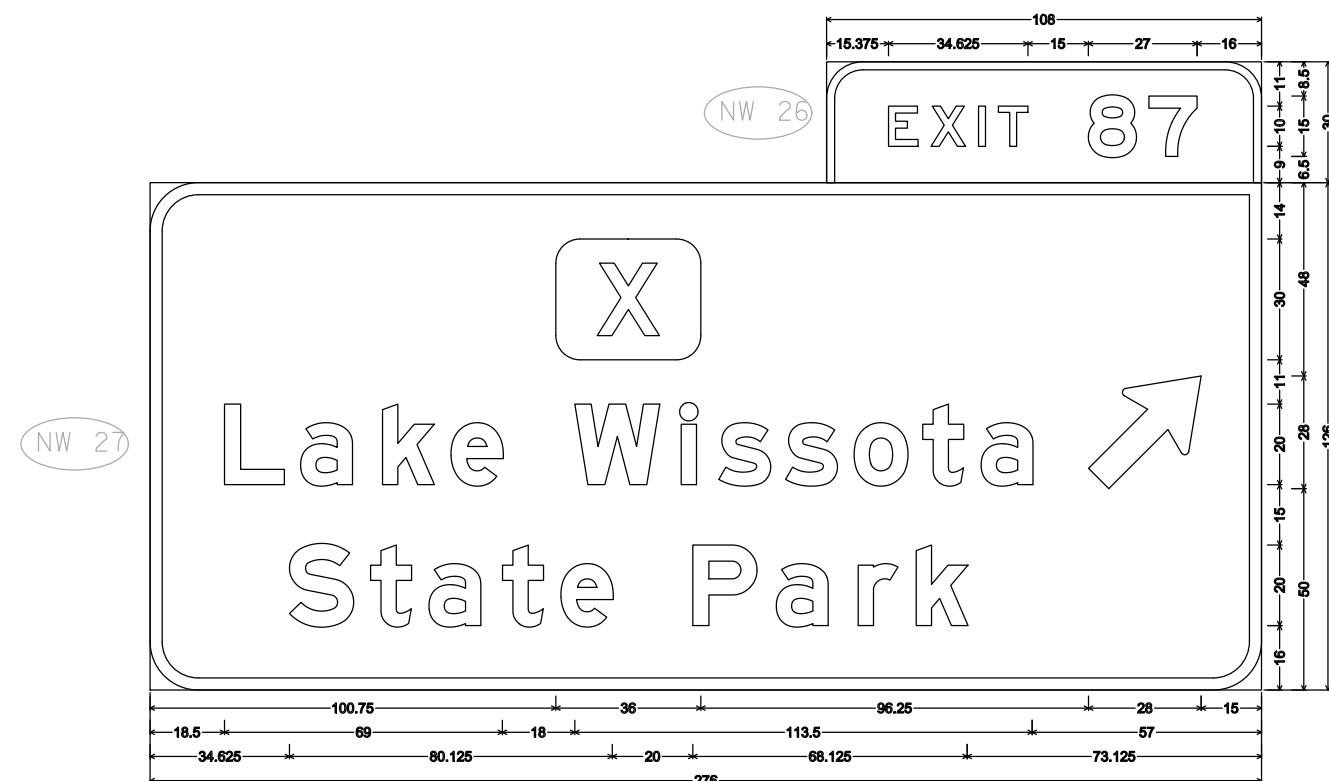


9.000" Radius, 2.000" Border, White on Green;
"EXIT" E specified length; "81" E Mod;
12.000" Radius, 3.000" Border, White on Green;
Square County J M1-55-2; "Lake" E Mod; "Wissota" E Mod; Standard Arrow Custom 36.000" X 22.500" 45°;

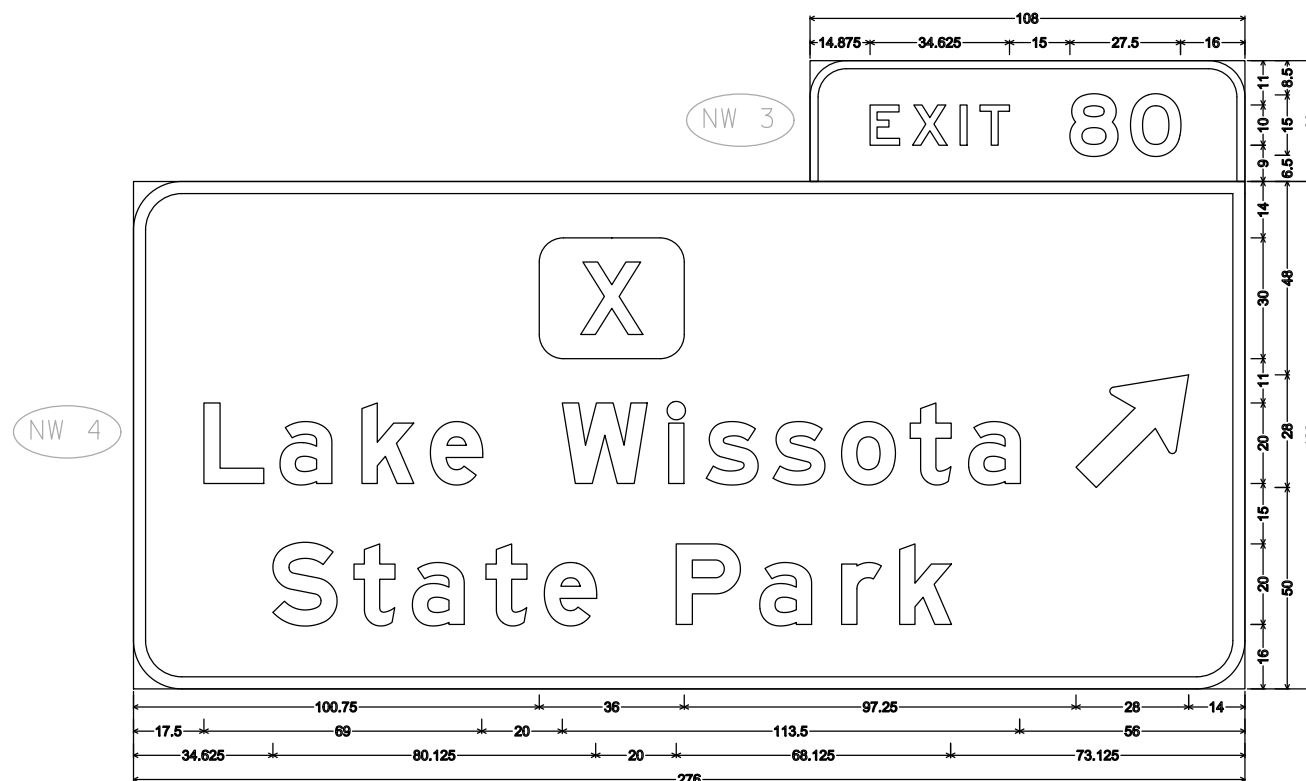
- NOTES**
1. All Signs are Type I- Type SH Reflective
 2. Color:
Background - Green except as noted
Message - White except as noted
 3. Message Series - All CAP Letters are Series E. All
Upper/Lower case Letters are Series E Modified.



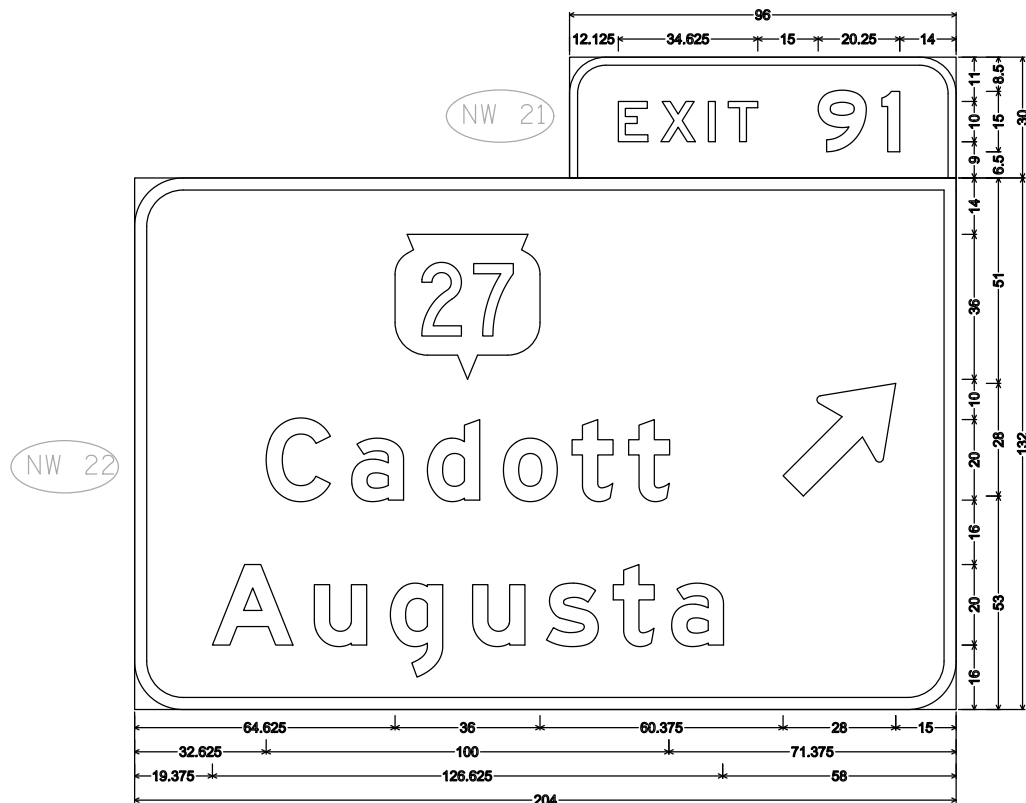
9.000" Radius, 2.000" Border, White on Green;
"Wisconsin" E Mod; "Veterans" E Mod; "Tribute" E Mod; "EXIT" E; "91" E;



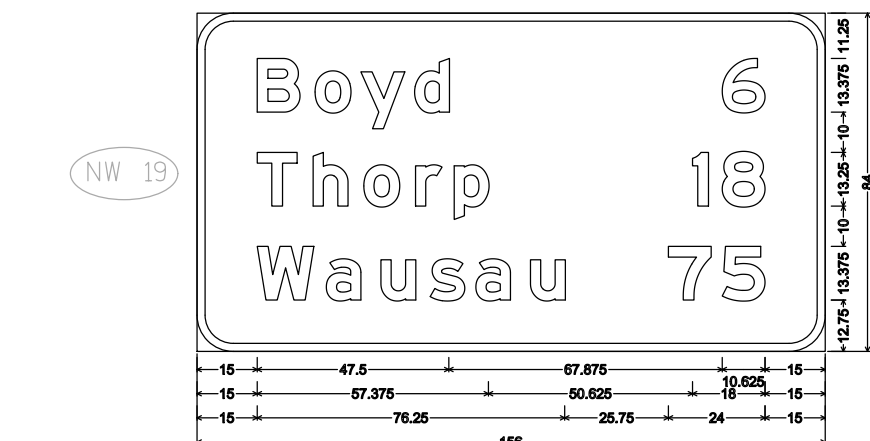
9.000" Radius, 2.000" Border, White on Brown;
"EXIT" E specified length; "87" E Mod;
12.000" Radius, 3.000" Border, White on Brown;
Square County X M1-55-2; "Lake" E Mod; "Wissota" E Mod; "State" E Mod; "Park" E Mod; Standard Arrow Custom 36.000" X 22.500" 45°;



9.000" Radius, 2.000" Border, White on Brown;
"EXIT" E specified length; "80" E Mod;
12.000" Radius, 3.000" Border, White on Brown;
Square County X M1-55-2; "Lake" E Mod; "Wissota" E Mod; "State" E Mod; "Park" E Mod; Standard Arrow Custom 36.000" X 22.500" 45°;

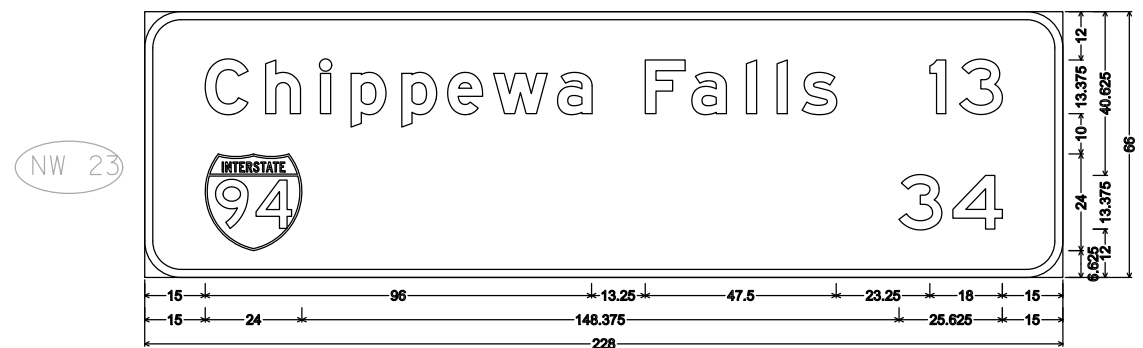


9.000" Radius, 2.000" Border, White on Green;
"EXIT" E specified length; "91" E Mod;
12.000" Radius, 3.000" Border, White on Green;
State Highway 27 M1-56; "Cadott" E Mod; "Augusta" E Mod; Standard Arrow Custom 36.000" X 22.500" 45°;

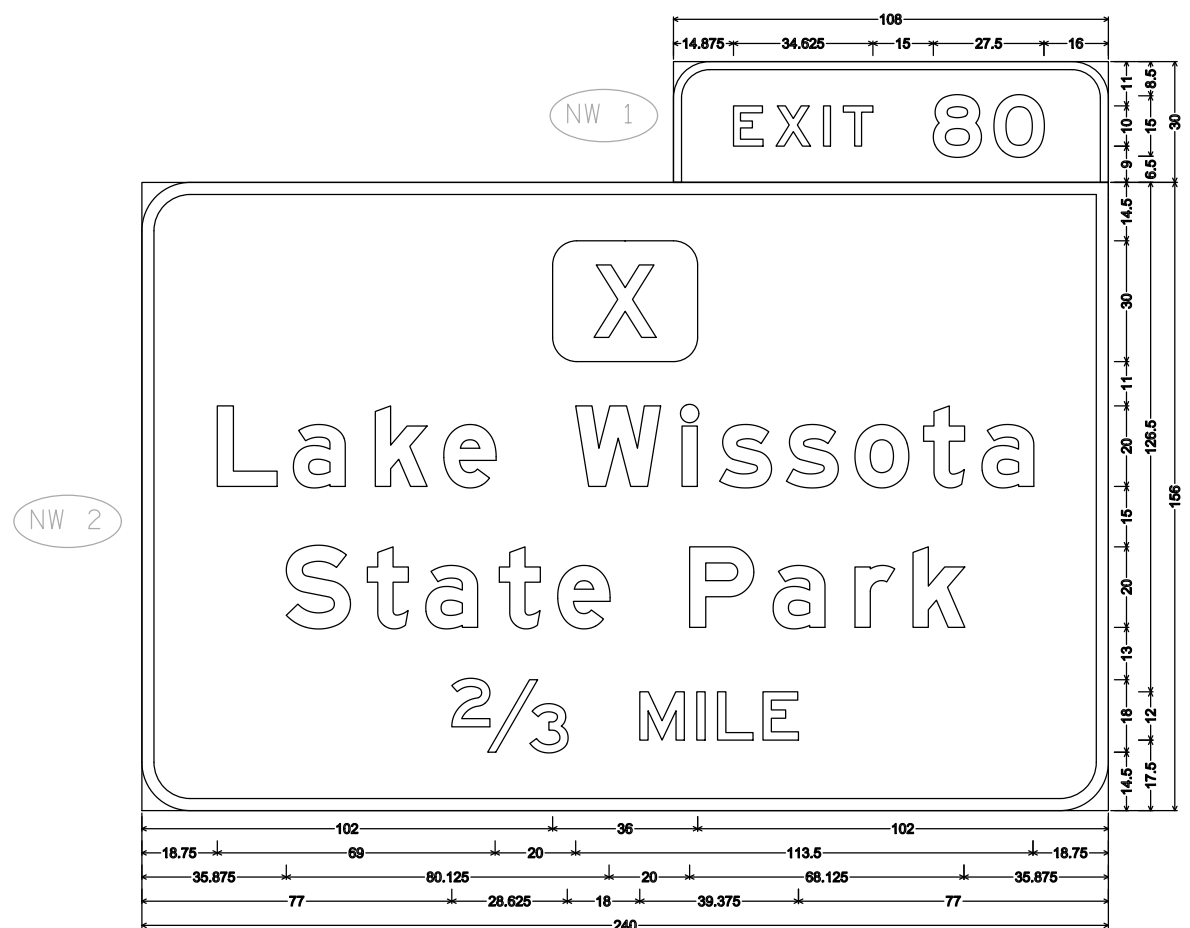


9.000" Radius, 2.000" Border, White on Green;
"Boyd" E Mod; "6" E; "Thorp" E Mod; "18" E Mod; "Wausau" E Mod; "75" E Mod;

- NOTES**
1. All Signs are Type I- Type SH Reflective
 2. Color:
Background - Green except as noted
Message - White except as noted
 3. Message Series - All CAP Letters are Series E. All Upper/Lower case Letters are Series E Modified.



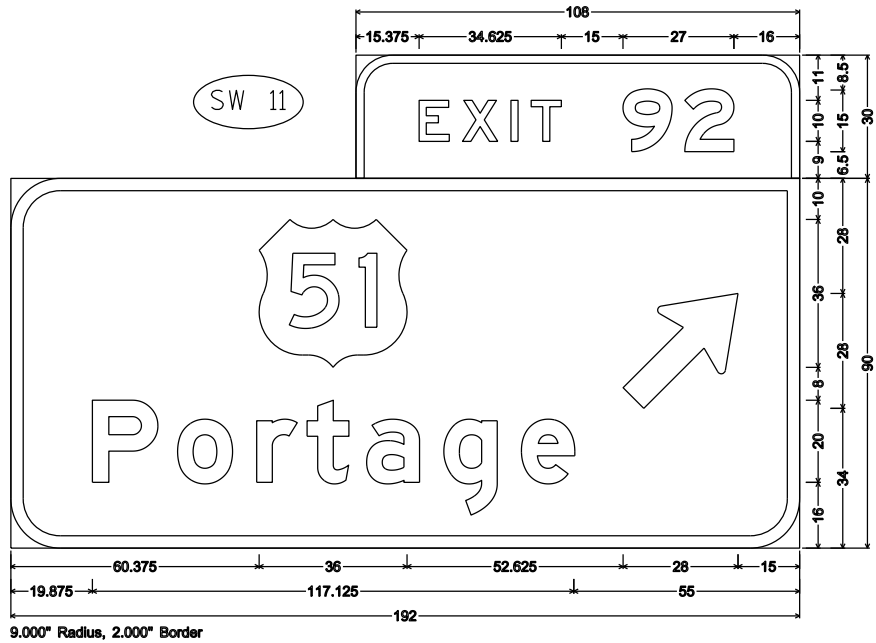
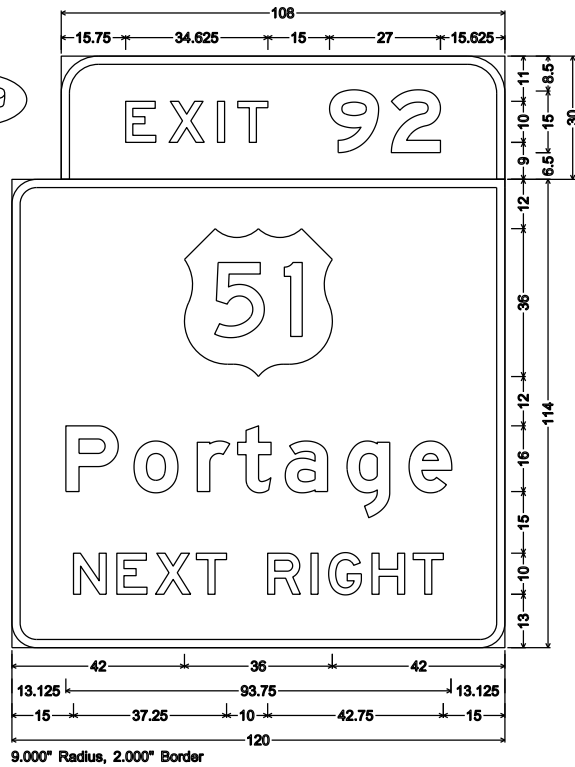
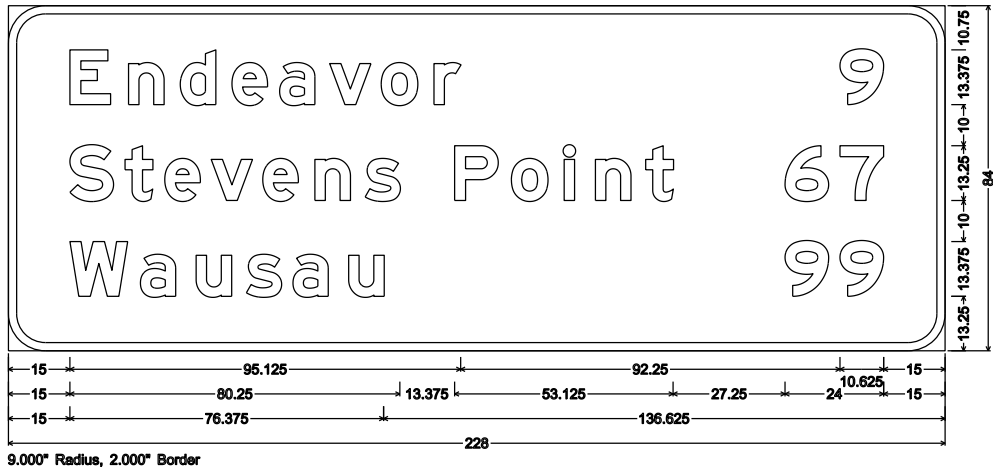
9.000" Radius, 2.000" Border, White on Green;
"Chippewa" E Mod; "Falls" E Mod; "13" E; "34" E;



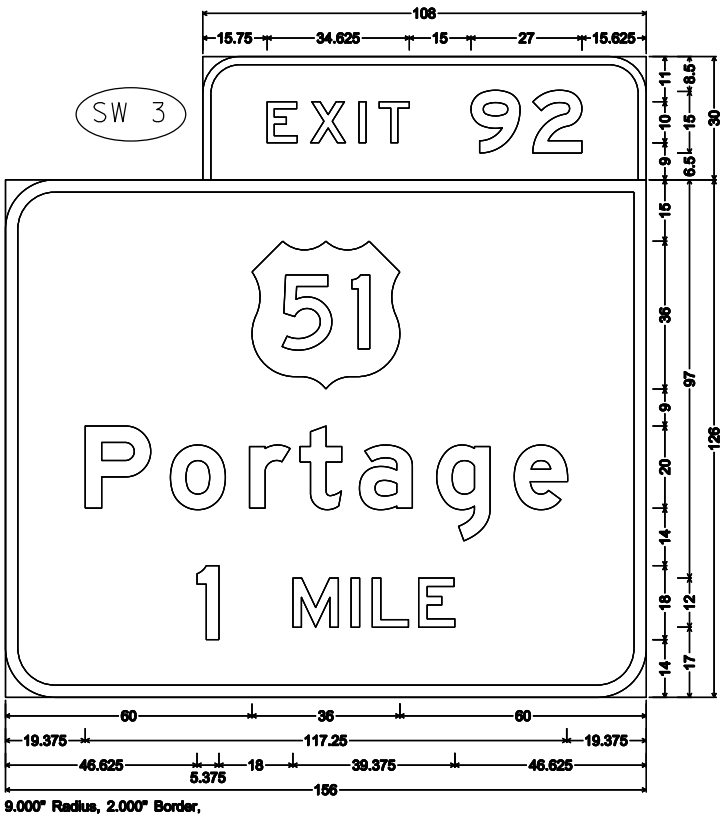
9.000" Radius, 2.000" Border, White on Brown;
"EXIT" E specified length; "80" E Mod;
12.000" Radius, 3.000" Border, White on Brown;
Square County X M1-55-2; "Lake" E Mod; "Wissota" E Mod; "State" E Mod; "Park" E Mod; "2/3" E; "MILE" E;

NOTES

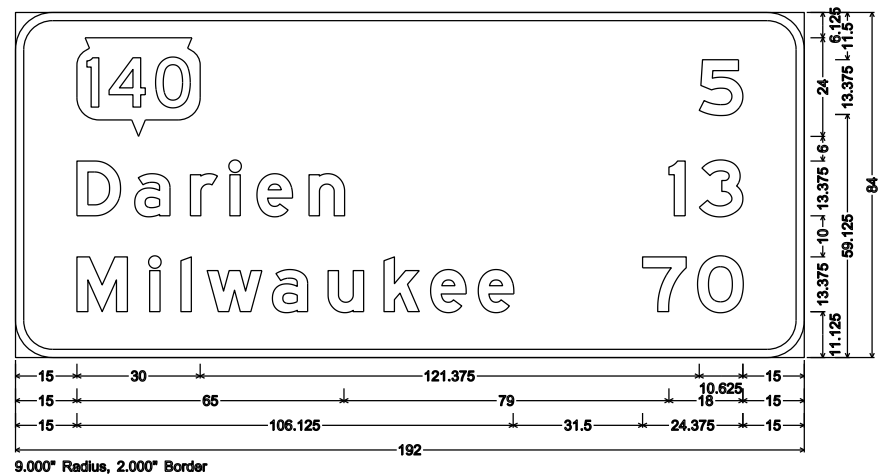
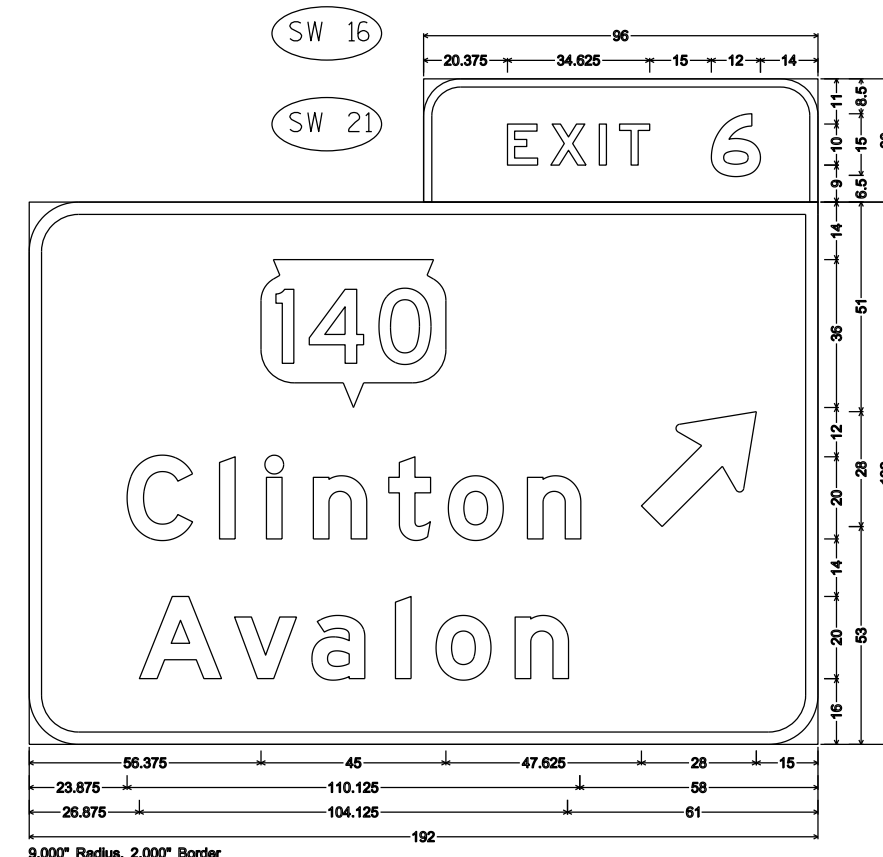
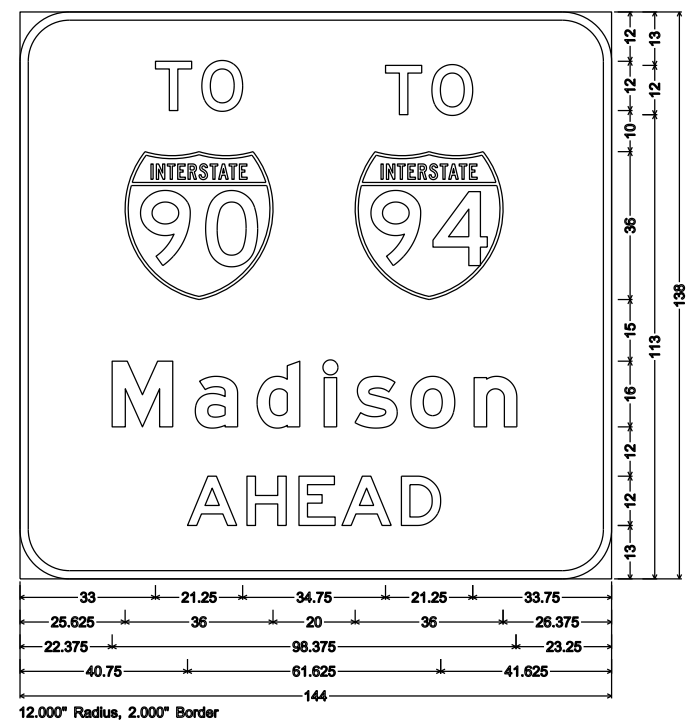
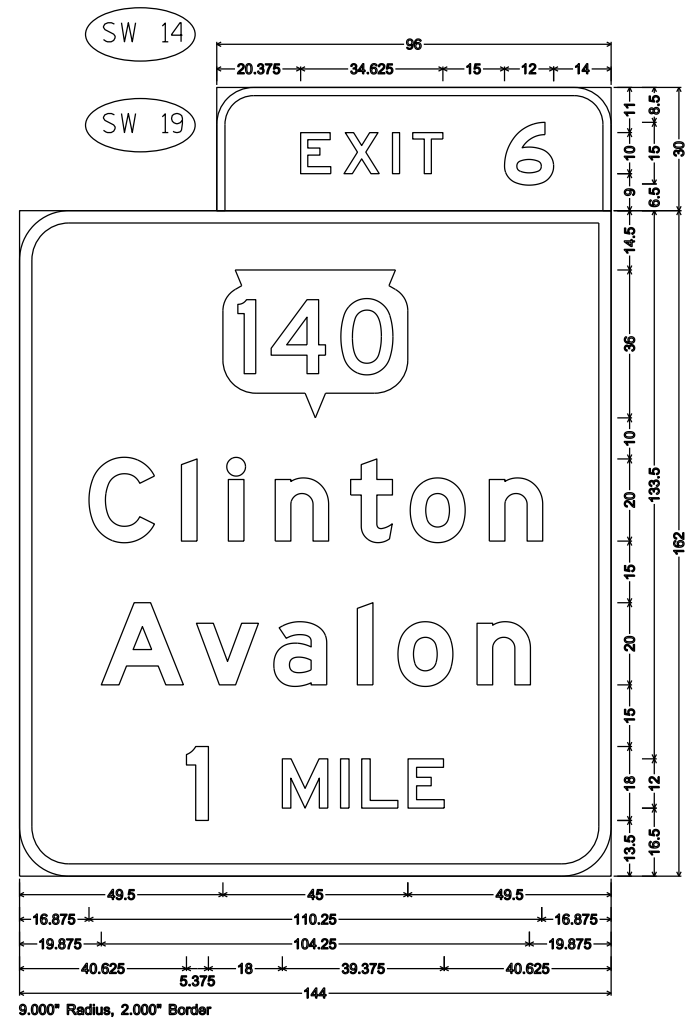
1. All Signs are Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White except as noted
3. Message Series - All CAP Letters are Series E. All
Upper/Lower case Letters are Series E Modified.



SW 10

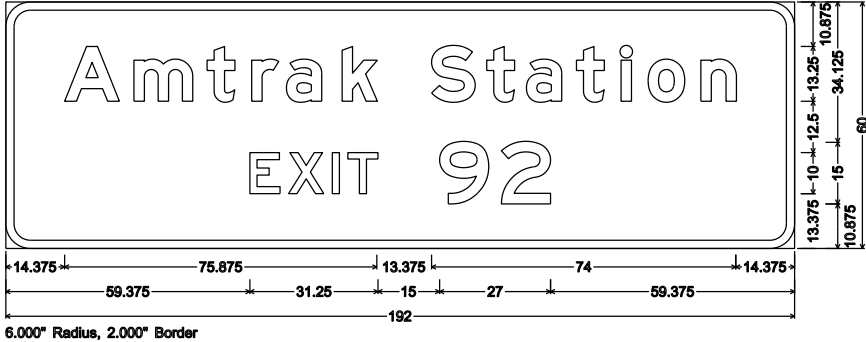
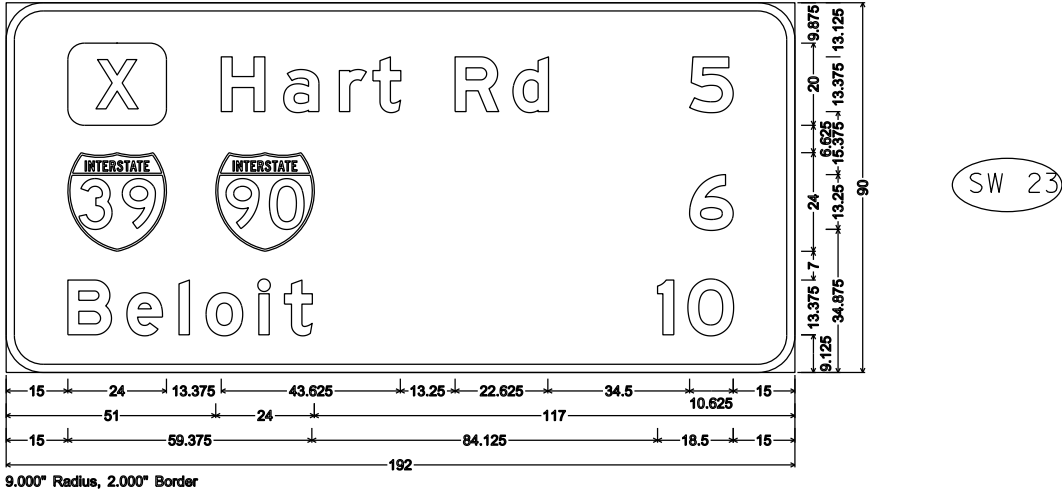
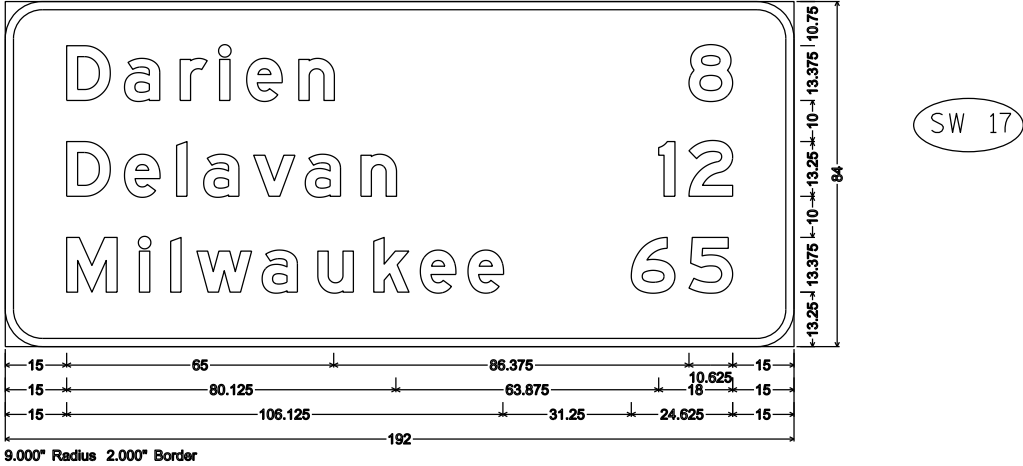


SW 2

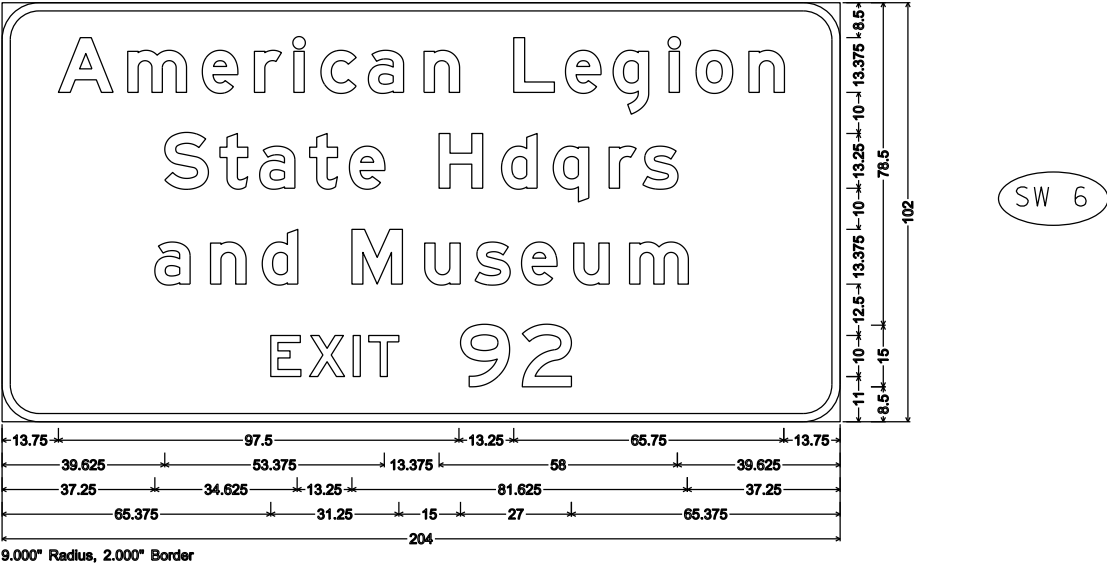
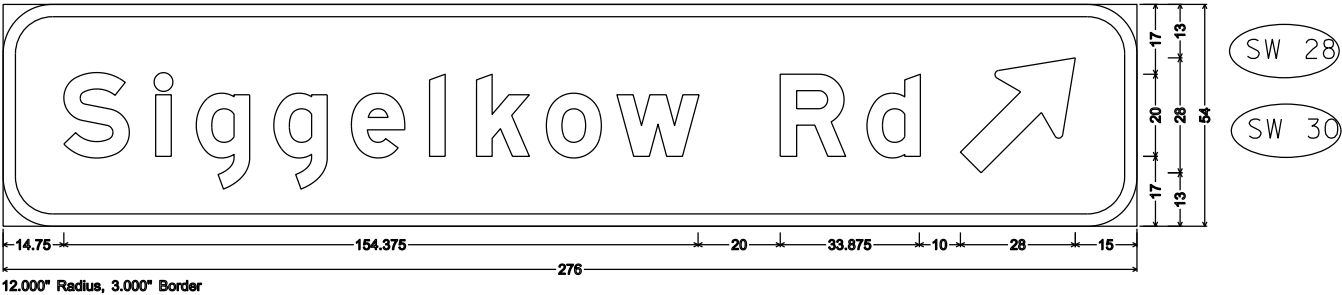
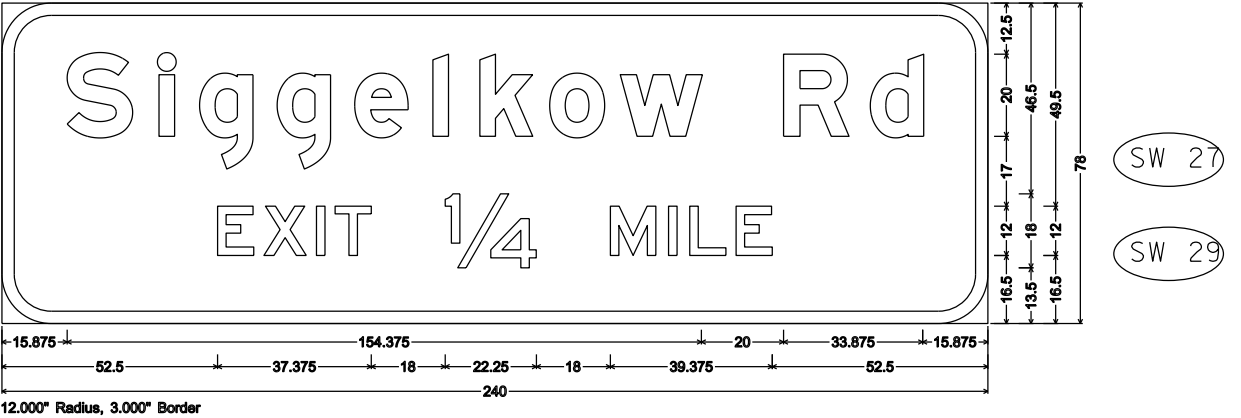


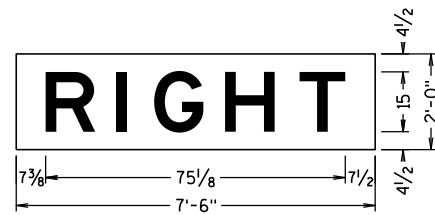
NOTES

1. All Signs are Type I - Type SH Reflective
2. Color:
Background - Green except as noted
Message - White except as noted
3. Message Series - All CAP Letters are Series E. All Upper/Lower case Letters are Series E Modified.

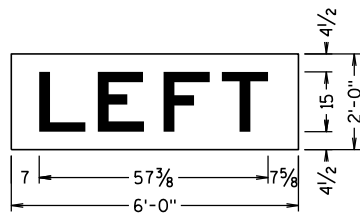


- NOTES
1. All Signs are Type I - Type SH Reflective
 2. Color:
Background - Green except as noted
Message - White except as noted
 3. Message Series - All CAP Letters are Series E. All Upper/Lower case Letters are Series E Modified.





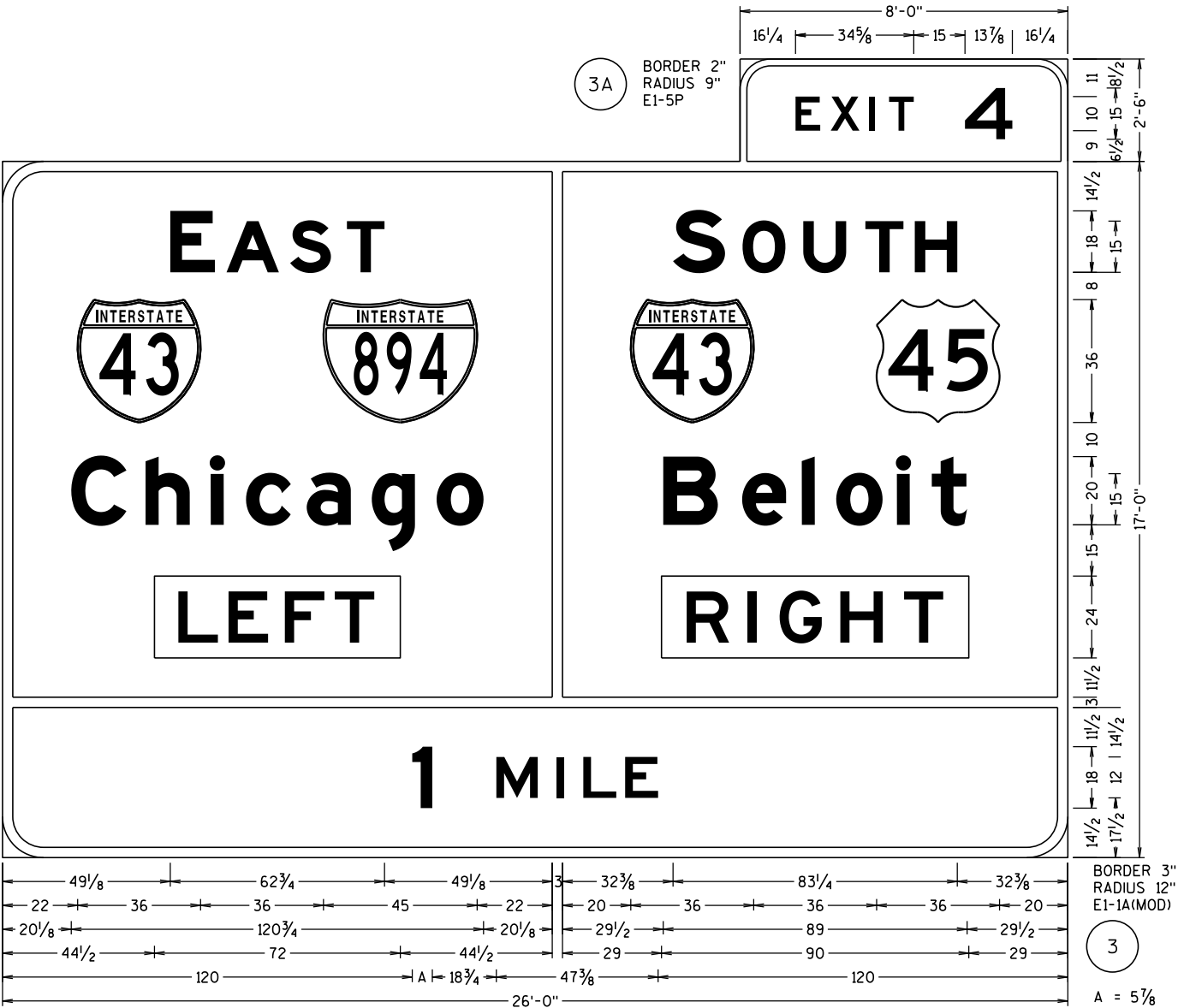
MESSAGE: NON-REFLECTIVE BLACK
BACKGROUND: TYPE F REFLECTIVE YELLOW
0.63 MIN THICKNESS NON-CORROSIVE SHEET



MESSAGE: NON-REFLECTIVE BLACK
BACKGROUND: TYPE F REFLECTIVE YELLOW
0.63 MIN THICKNESS NON-CORROSIVE SHEET

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE 1".
3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND, "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE TYPE SH REFLECTIVE SHEETING.
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. TYPE II SIGNS ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E". ALL LOWER CASE MESSAGE WITH AN INITIAL UPPER CASE LETTER SHALL BE "SERIES E".
6. TYPE I SIGNS - ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE SERIES "E" MODIFIED. ALL LOWER CASE MESSAGE WITH AN INITIAL UPPER CASE LETTER SHALL BE SERIES "E" MODIFIED. ALL CAP WORDS ARE "SERIES E".
7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE SERIES "E" PER PLATES A11-7 AND A11-10.
11. DO NOT SCALE.



PROJECT NO: 1000-20-73

HWY: VARIOUS

COUNTY: VARIOUS - SE REGION

SIGNING DETAIL - TYPE I SIGNS

SCALE: 0 1/2" 1"

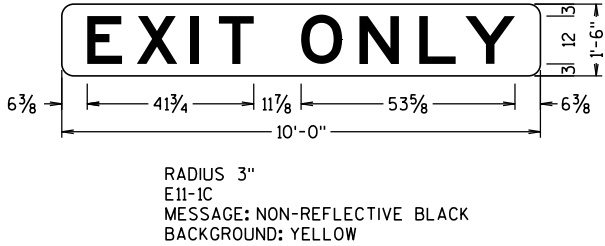
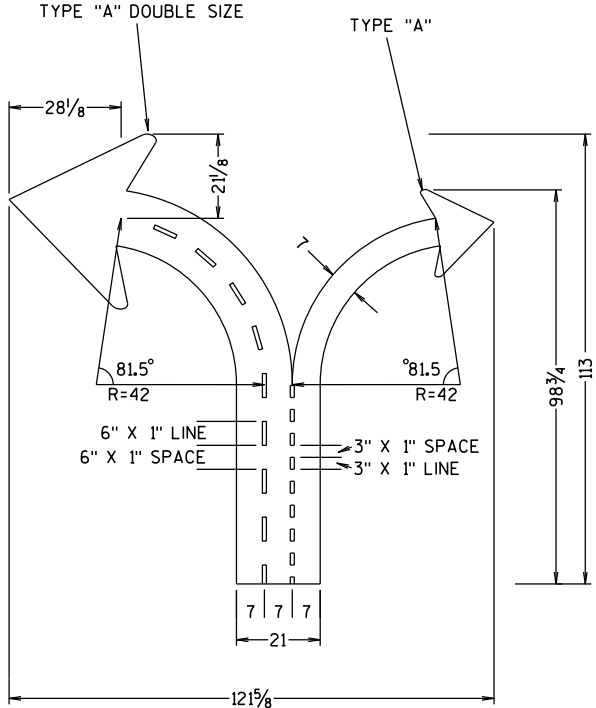
SHEET

E

7

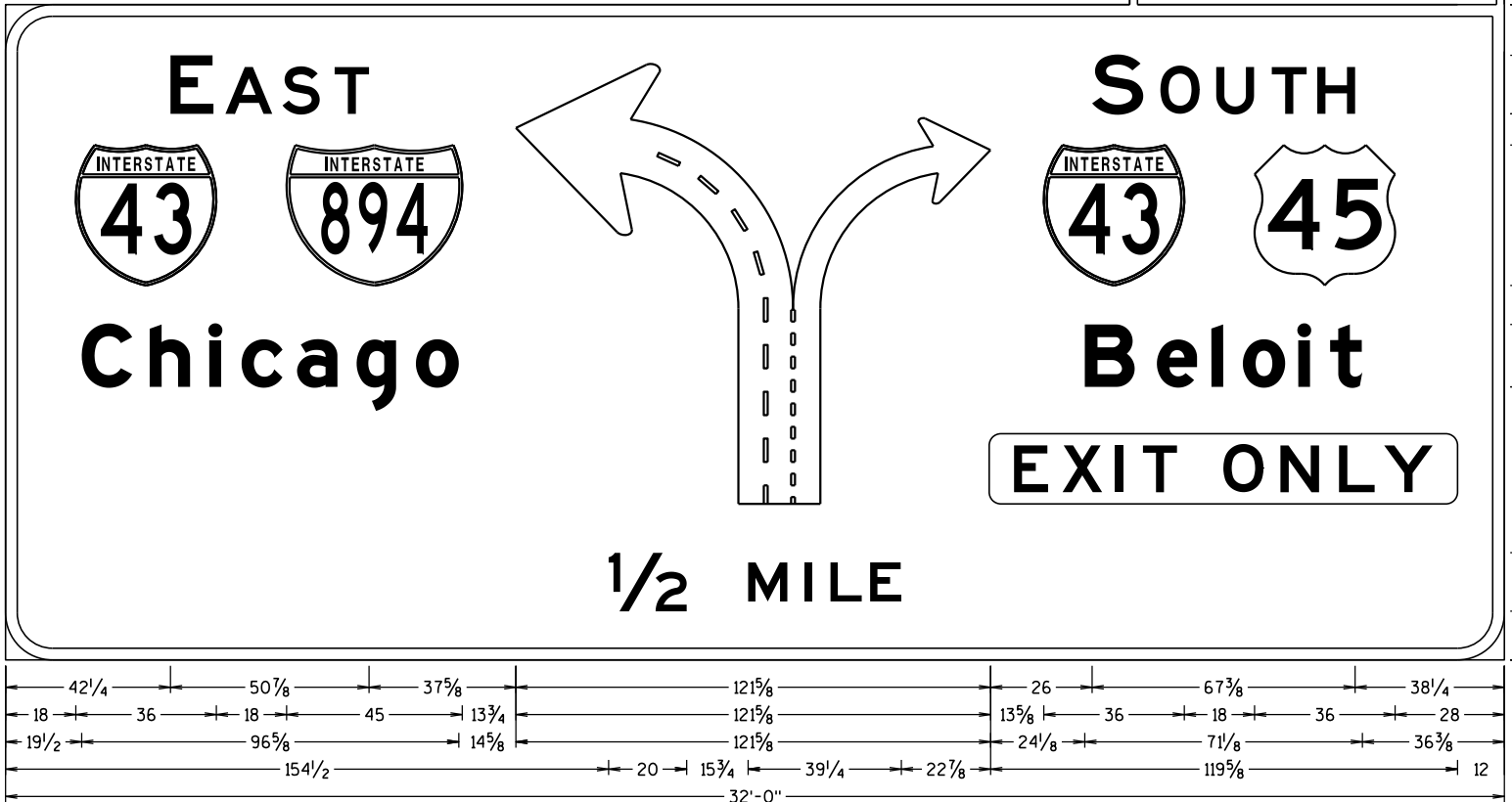
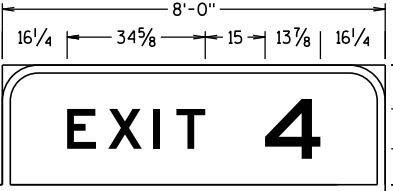
GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
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3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND, "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE TYPE SH REFLECTIVE SHEETING.
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. TYPE II SIGNS ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E. ALL LOWER CASE MESSAGE WITH AN INITIAL UPPER CASE LETTER SHALL BE "SERIES E.
6. TYPE I SIGNS - ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE SERIES "E" MODIFIED. ALL LOWER CASE MESSAGE WITH AN INITIAL UPPER CASE LETTER SHALL BE SERIES "E" MODIFIED. ALL CAP WORDS ARE "SERIES E"
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8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
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10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE SERIES "E" PER PLATES A11-7 AND A11-10
11. DO NOT SCALE.



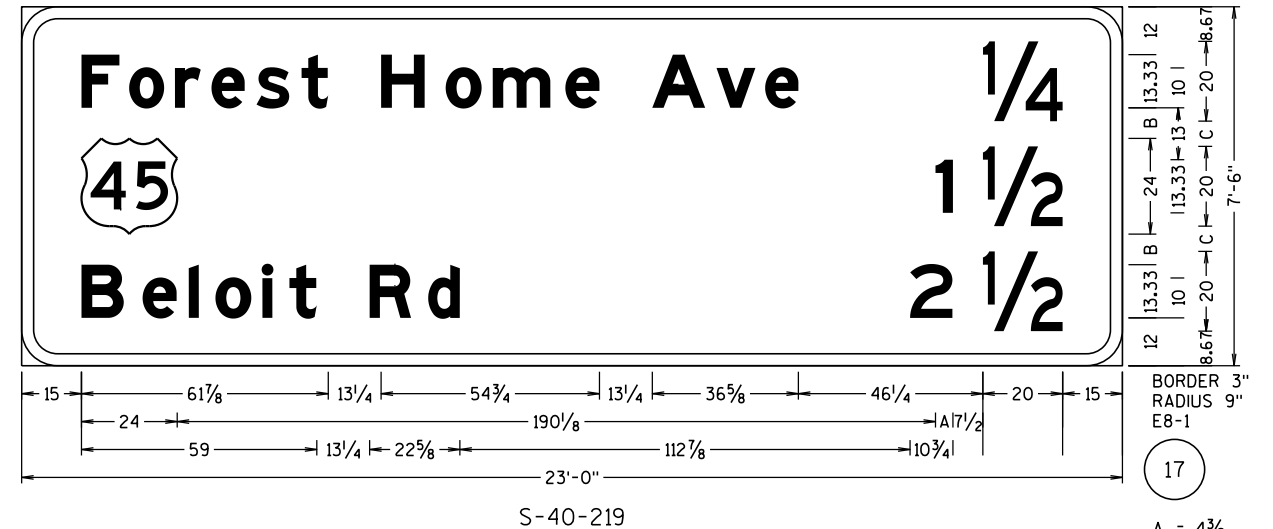
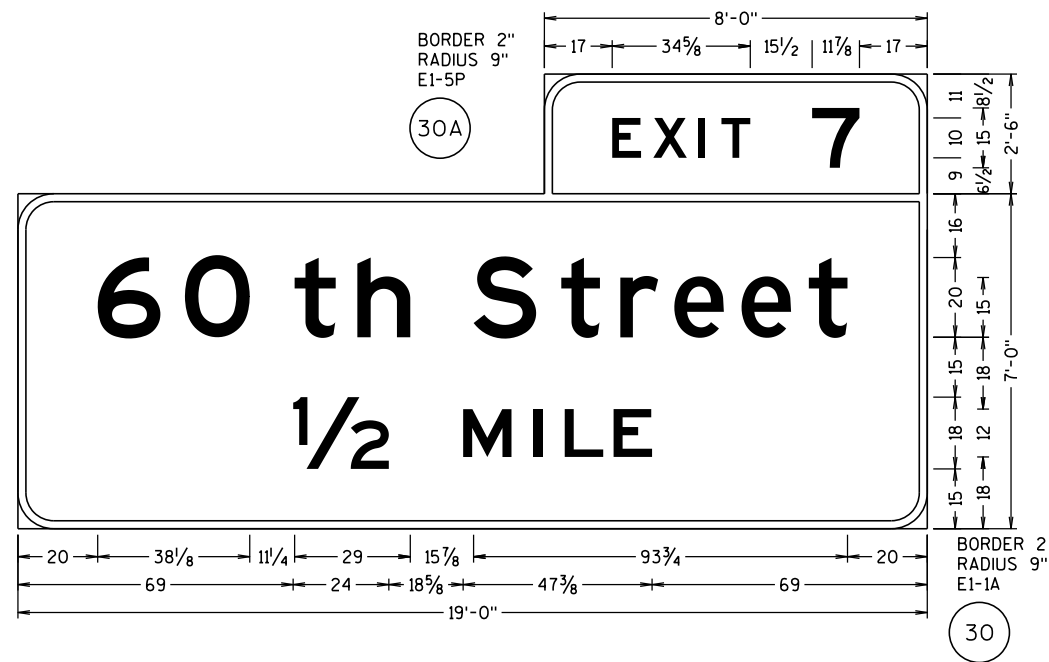
4A

BORDER 2"
RADIUS 9"
E1-5P



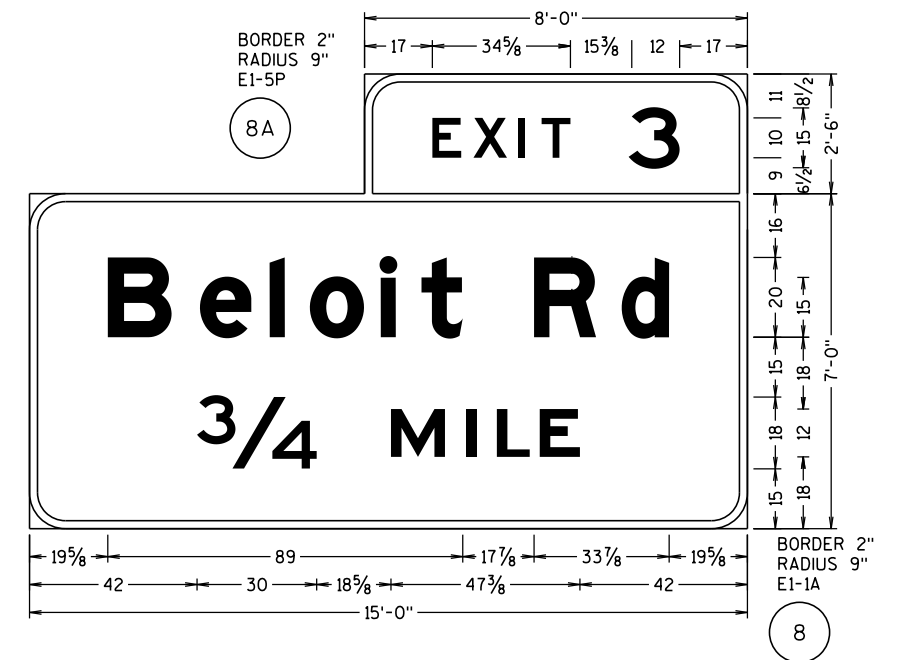
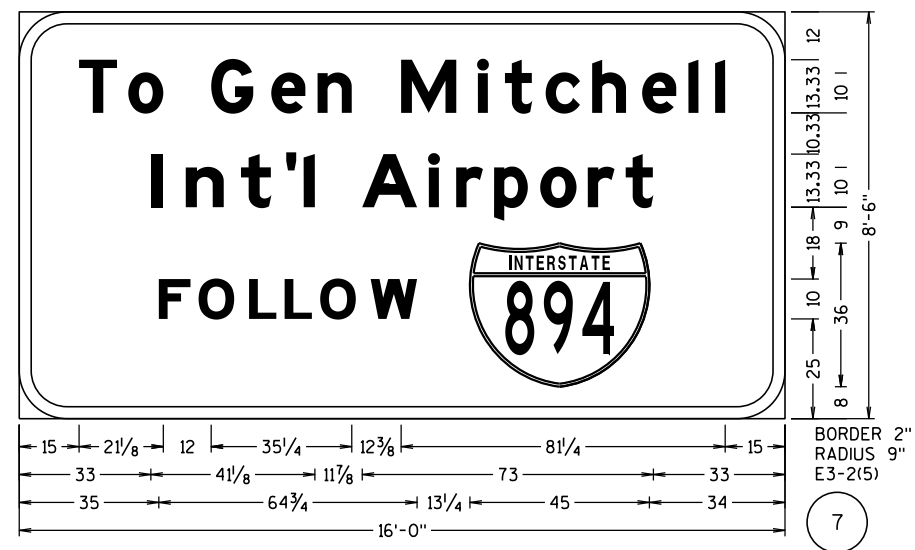
BORDER 3"
RADIUS 12"
E1-4
4

7



GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
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3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND, "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE TYPE SH REFLECTIVE SHEETING.
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. TYPE II SIGNS ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E". ALL LOWER CASE MESSAGE WITH AN INITIAL UPPER CASE LETTER SHALL BE "SERIES E".
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7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE SERIES "E" PER PLATES A11-7 AND A11-10.
11. DO NOT SCALE.



PROJECT NO: 1000-20-73

HWY: VARIOUS

COUNTY: VARIOUS - SE REGION

SIGNING DETAIL - TYPE I SIGNS

SCALE: 0 1/2" 1"

SHEET

E

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

3. UNLESS OTHERWISE NOTED, TYPE I SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND, "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE TYPE SH REFLECTIVE SHEETING.

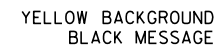
5. TYPE II SIGNS ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES E. ALL LOWER CASE MESSAGE WITH AN INITIAL UPPER CASE LETTER SHALL BE "SERIES E.

6. TYPE ISIGNS - ALL
UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE
NOTED) SHALL BE SERIES "E" MODIFIED. ALL LOWER CASE
MESSAGE WITH AN INITIAL UPPER CASE LETTER SHALL BE SERIES "E" MODIFIED.
ALL CAP WORDS ARE "SERIES E"

8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.

10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE SERIES "E" PER PLATES A11-7 AND A11-10

11. DO NOT SCALE.



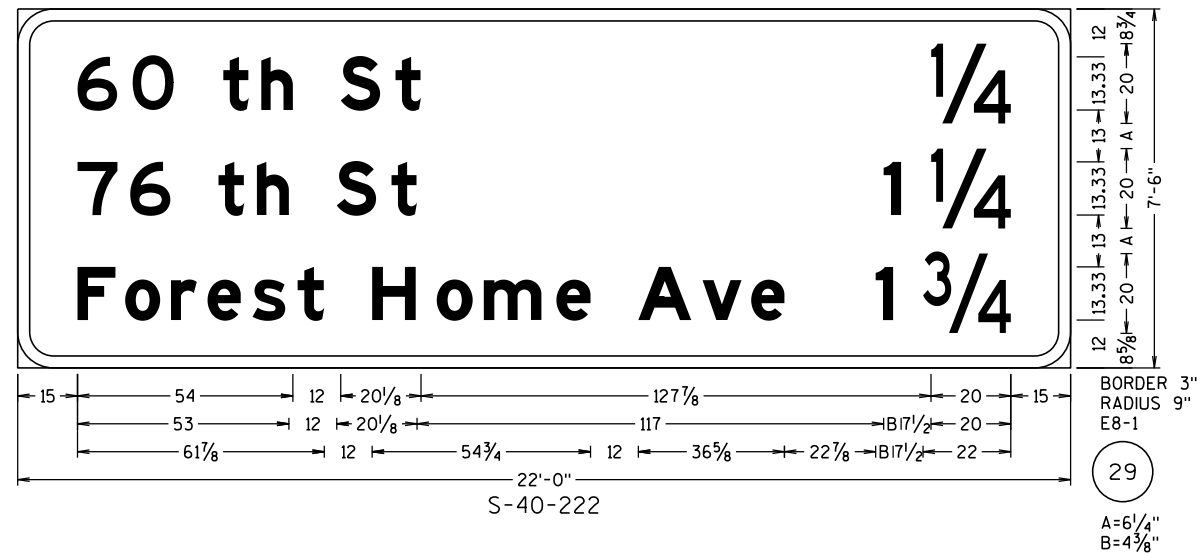
YELLOW BACKGROUND
BLACK MESSAGE

BORDER 3"
RADIUS 12"
E1-4



15

A=5 1/2

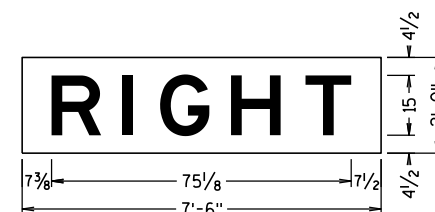
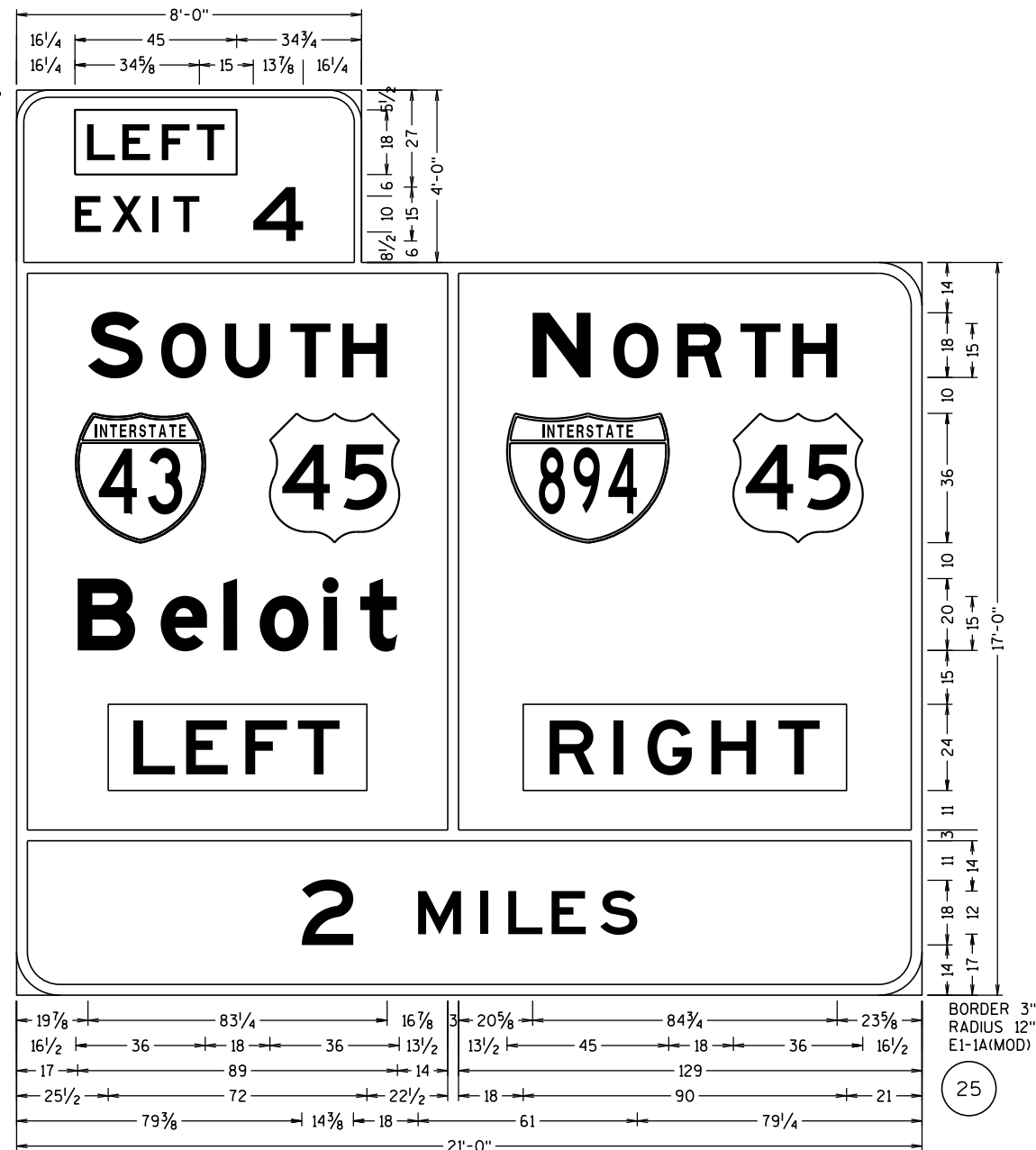


GENERAL NOTES:

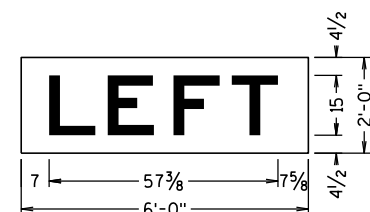
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4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
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7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE SERIES "E" PER PLATES A11-7 AND A11-10
11. DO NOT SCALE.

25A

BORDER 2"
RADIUS 9"
E1-5P



MESSAGE: NON-REFLECTIVE BLACK
BACKGROUND: TYPE F REFLECTIVE YELLOW
0.63 MIN THICKNESS NON-CORROSIVE SHEET



MESSAGE: NON-REFLECTIVE BLACK
BACKGROUND: TYPE F REFLECTIVE YELLOW
0.63 MIN THICKNESS NON-CORROSIVE SHEET

PROJECT NO: 1000-20-73

HWY: VARIOUS

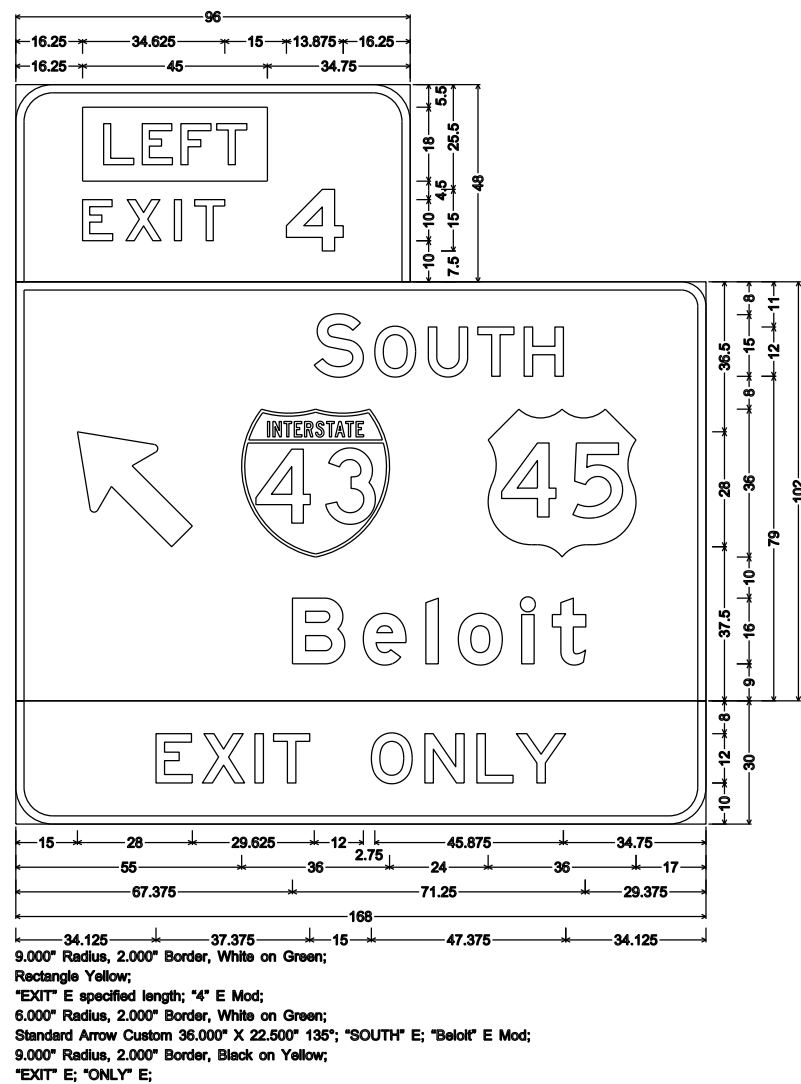
COUNTY: VARIOUS - SE REGION

SIGNING DETAIL - TYPE I SIGNS

SCALE: 0 1/2" 1"

SHEET

E

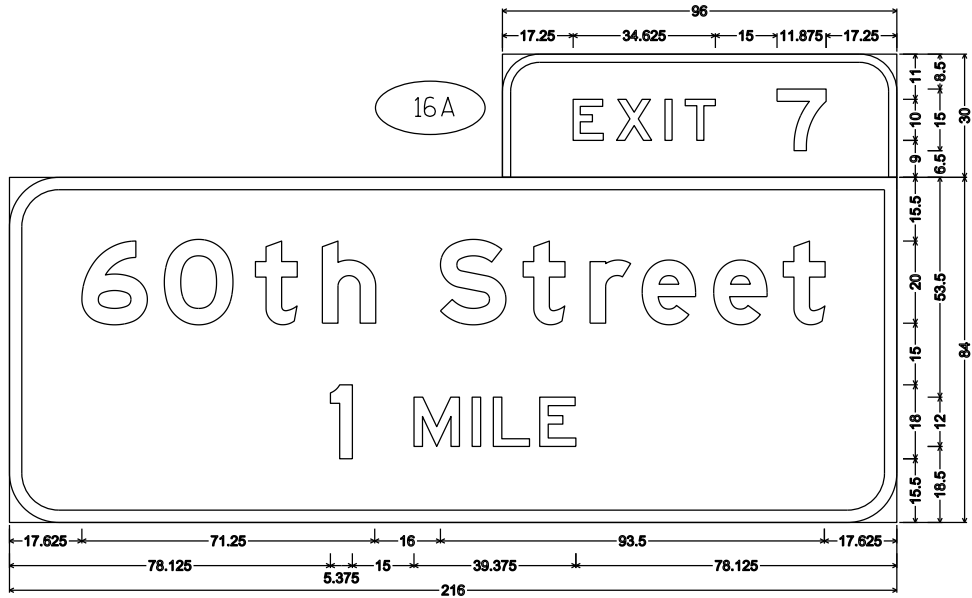


NOTES

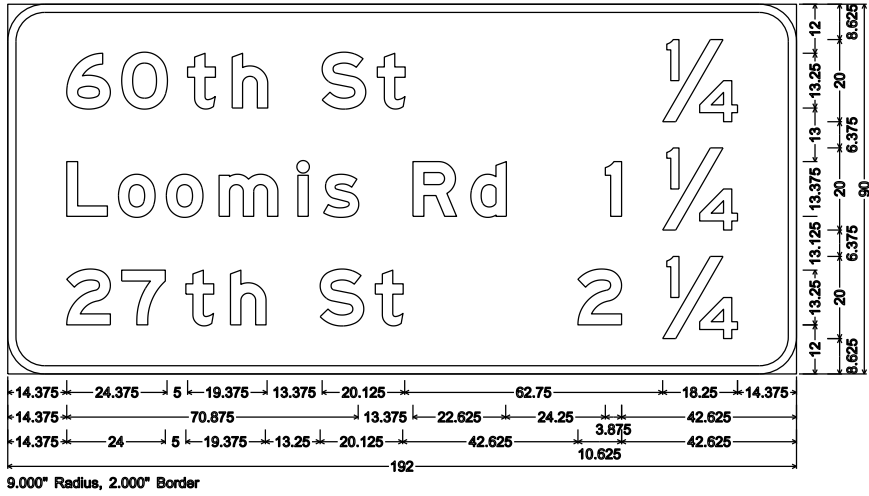
1. All Signs are Type I - Type SH Reflective
2. Color:
 Background - Green except as noted
 Message - White except as noted
3. Message Series - All CAP Letters are Series E. All
 Upper/Lower case Letters are Series E Modified.



16



9.000" Radius, 2.000" Border, White on Green;
"EXIT" E specified length; "7" E Mod;
12.000" Radius, 3.000" Border, White on Green;
"60th" E Mod; "Street" E Mod; "1" E; "MILE" E;

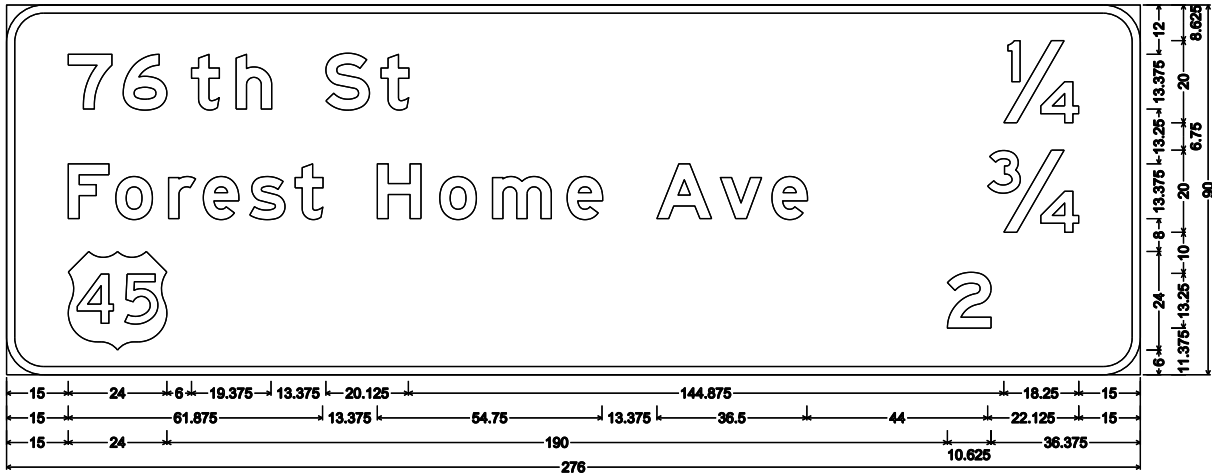


9.000" Radius, 2.000" Border

NOTES

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2. Color:
Background - Green except as noted
Message - White except as noted
3. Message Series - All CAP Letters are Series E. All Upper/Lower case Letters are Series E Modified.

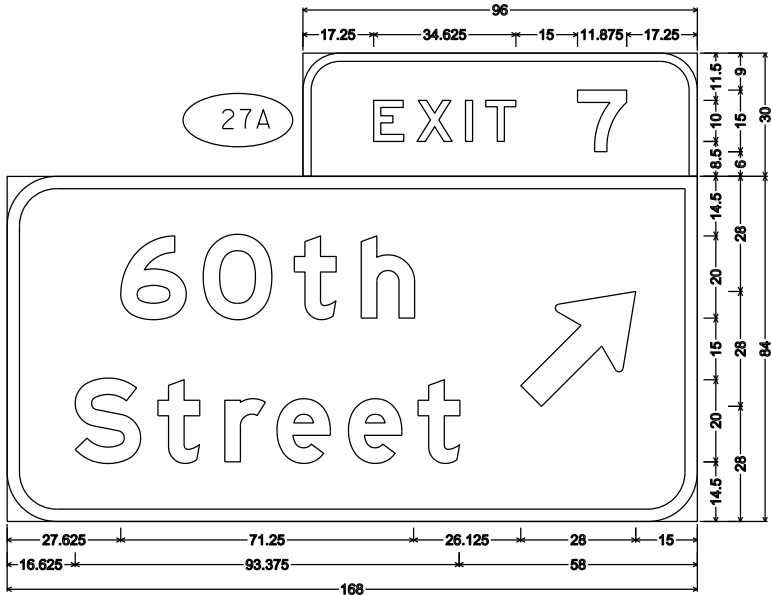
22



9.000" Radius, 2.000" Border,

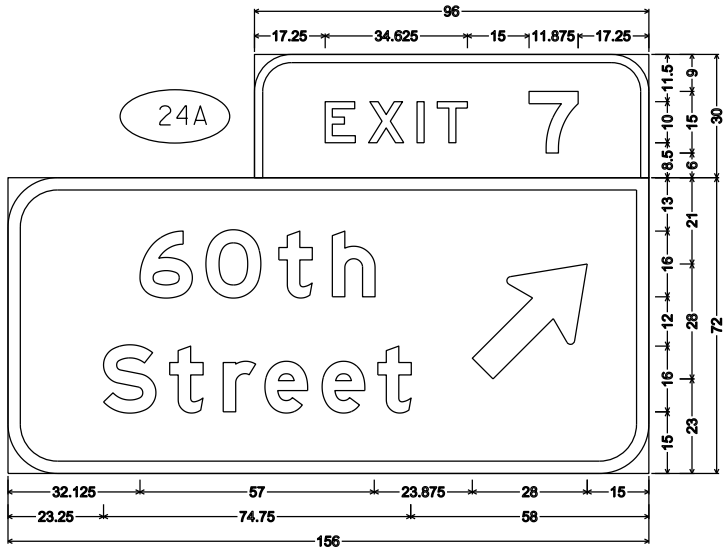
23

27



9.000" Radius, 2.000" Border, White on Green;
"EXIT" E specified length; "7" E Mod;
12.000" Radius, 3.000" Border, White on Green;
"60th" E Mod; "Street" E Mod; Standard Arrow Custom 36.000" X 22.500" 45°;

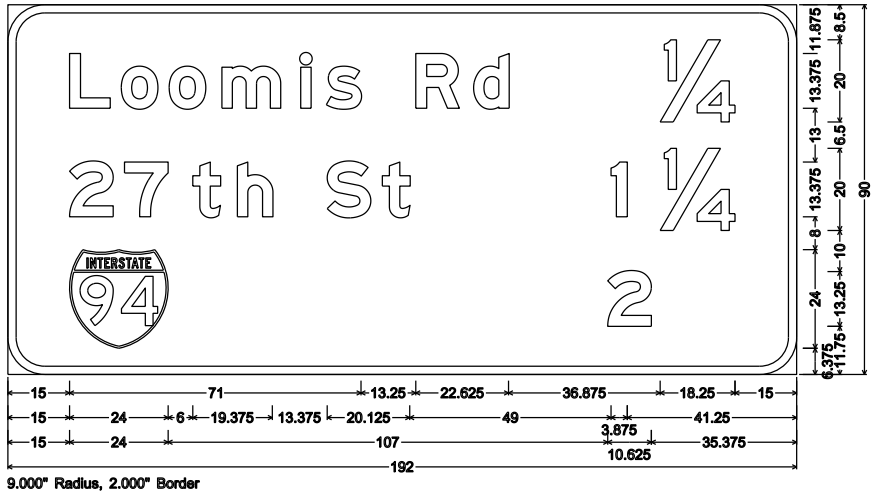
24



9.000" Radius, 2.000" Border, White on Green;
"EXIT" E specified length; "7" E Mod;
12.000" Radius, 3.000" Border, White on Green;
"60th" E Mod; "Street" E Mod; Standard Arrow Custom 36.000" X 22.500" 45°;

24A

28

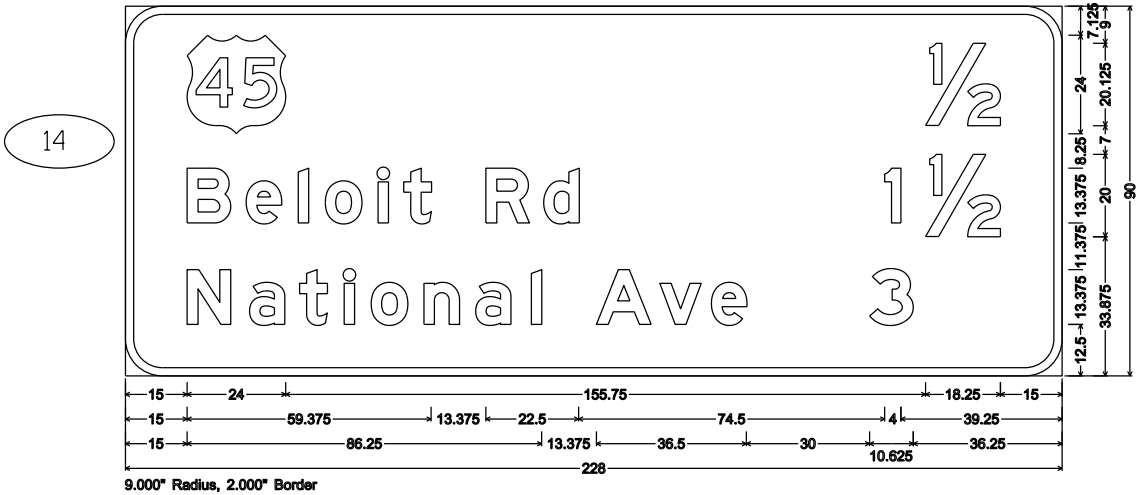
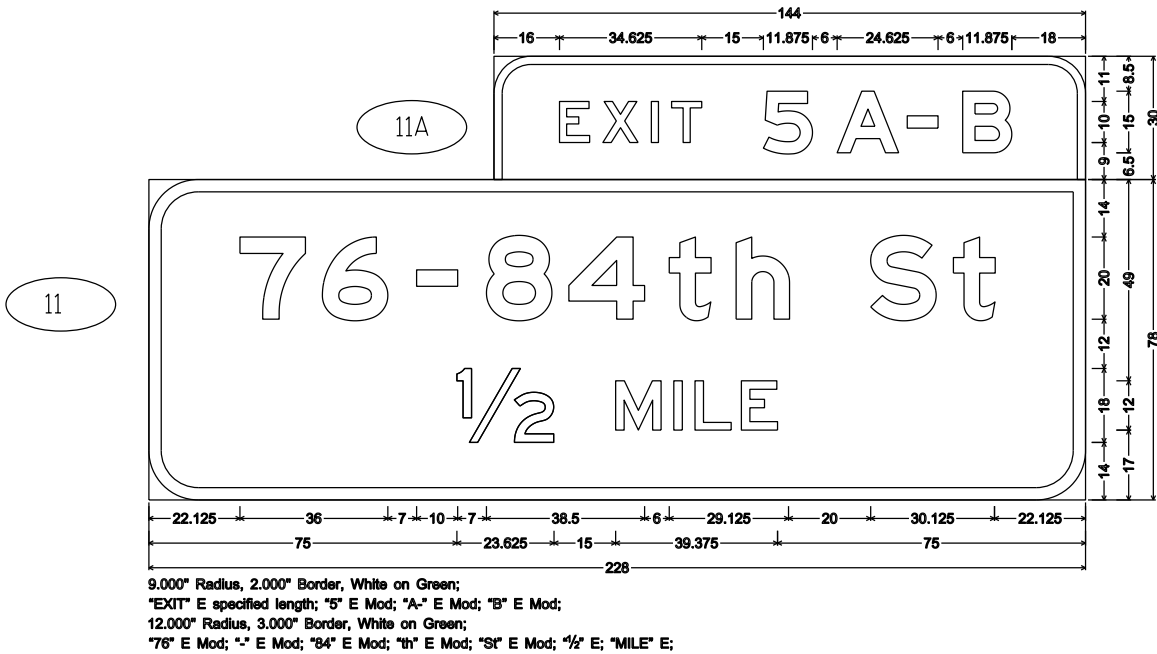
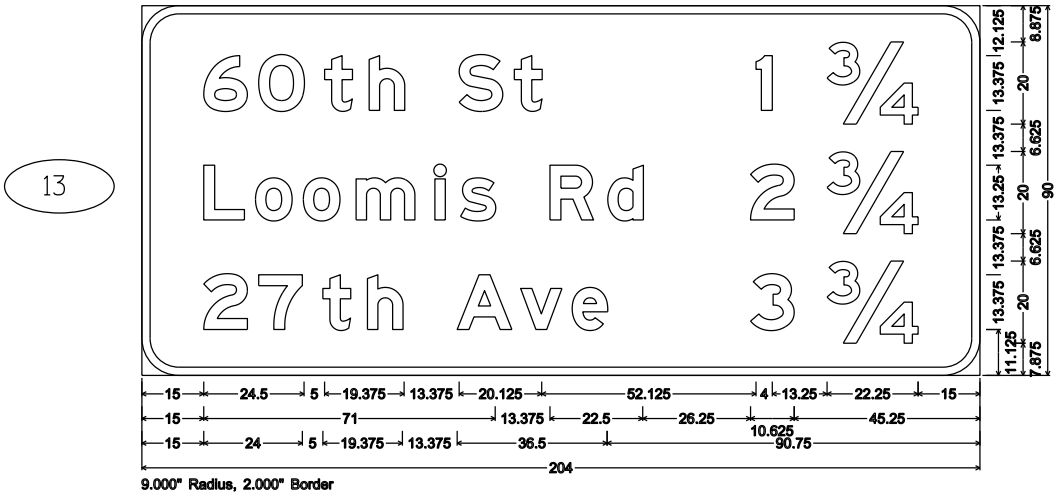
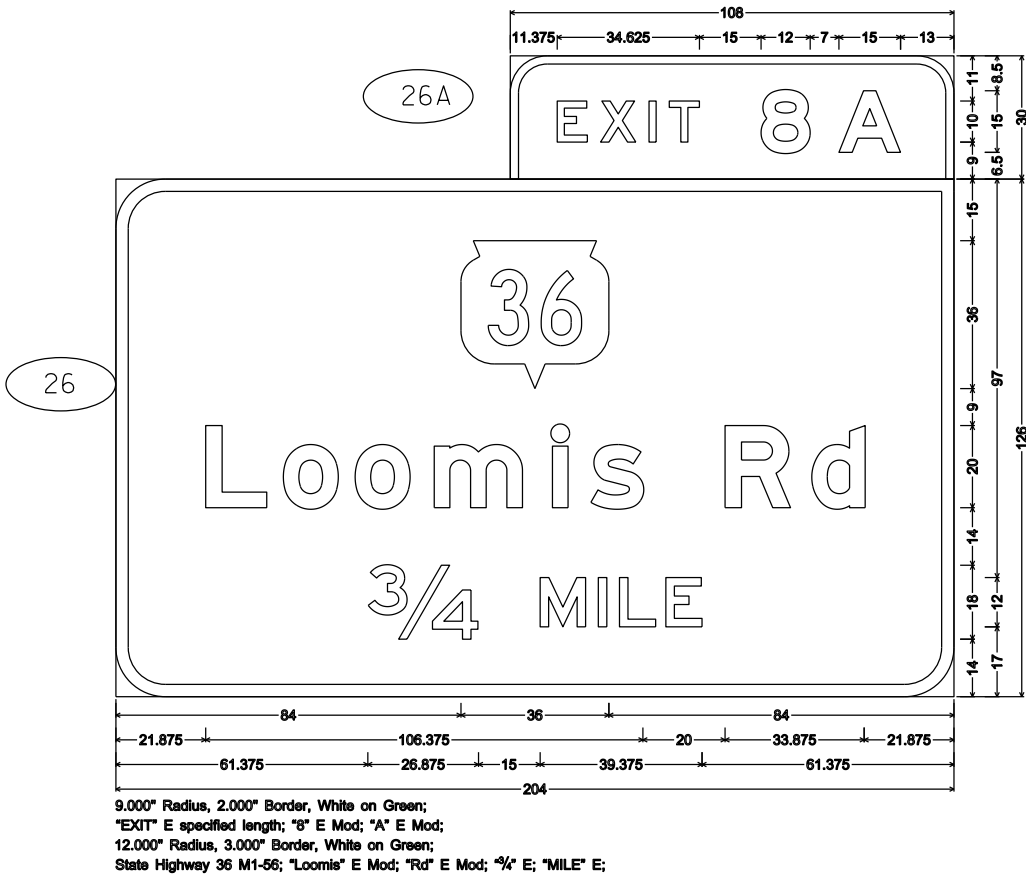


9.000" Radius, 2.000" Border

7

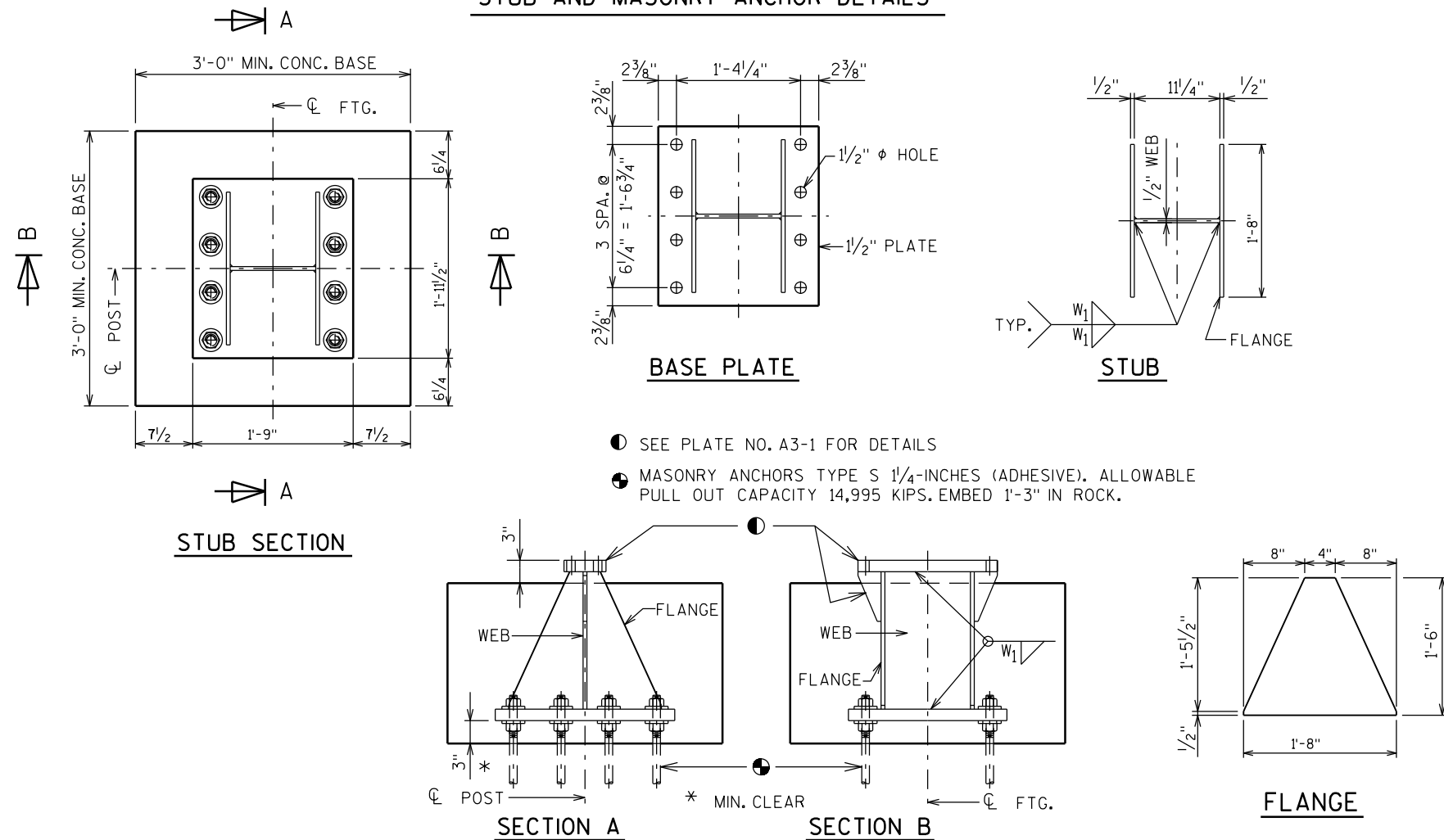
NOTES

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2. Color:
Background - Green except as noted
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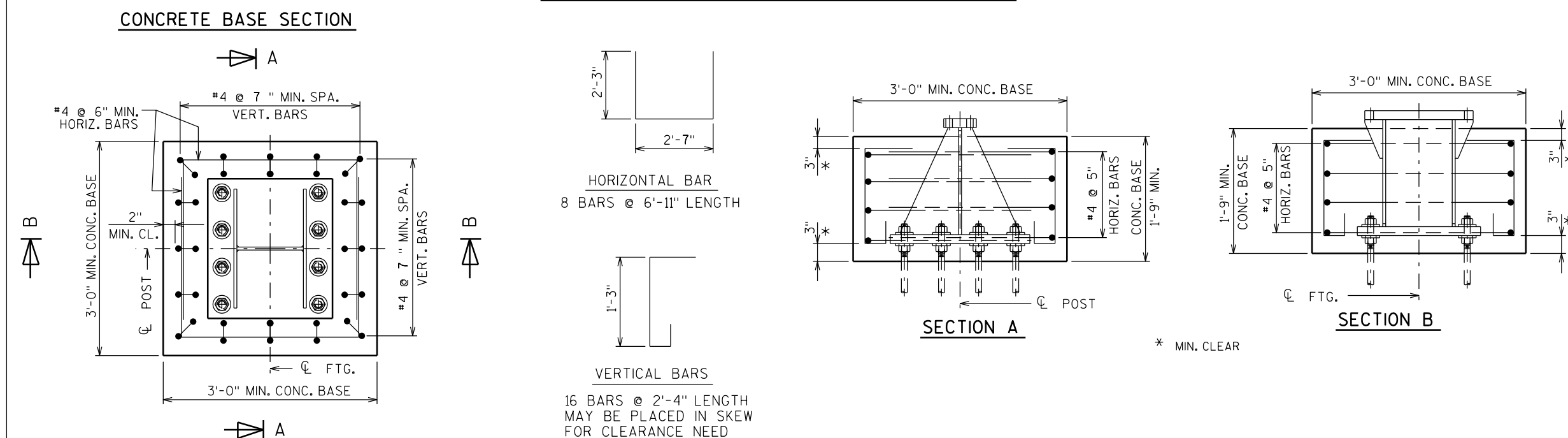
STUB AND MASONRY ANCHOR DETAILS



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



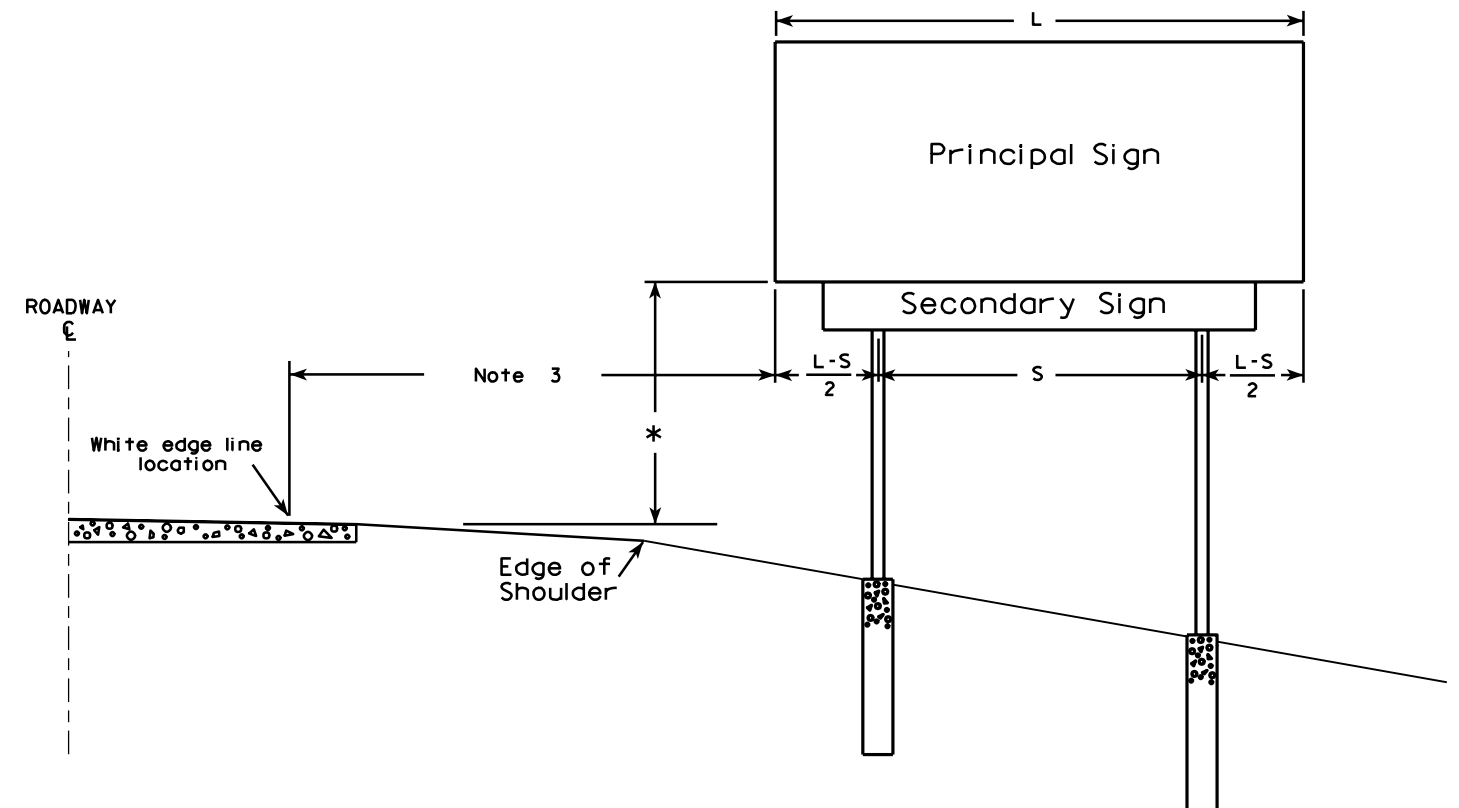
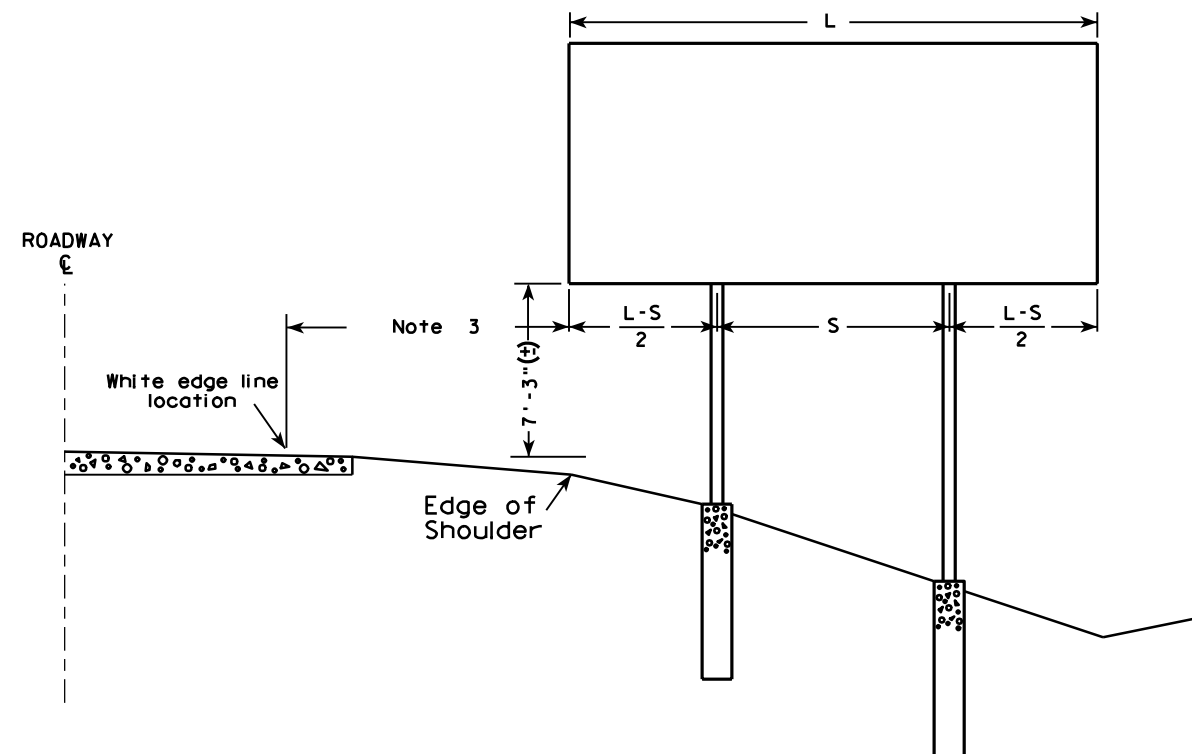
ALTERNATE BREAK-AWAY
BASE ON ROCK
A3-1M

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*

for State Traffic Engineer

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



GENERAL NOTES

1. For a 2 post installation, S equals $3L/5$, but shall not be less than 9 ft.
2. For a 3 post installation, S equals $5L/7$, but shall not be less than 18 ft., and the space between any two posts shall not be less than 9 ft.
3. Unless noted in the plan, the sign offset distance shall be a minimum of 17'-6", desirable 30'-0".
4. The (±) tolerance shown on this sheet is 3 in.
5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of pavement.
6. Post lengths shown in the miscellaneous quantities are estimated lengths. The contractor shall verify post lengths at the time of final grading.
7. Refer to the Traffic Guidelines Manual for further guidance on minimum vertical clearance requirements.

* Clearance is 8'-3" (±) when the secondary sign is 3 ft. or less in height. For secondary signs larger than 3 ft., the clearance to the bottom of the secondary sign shall be 5'-3" (±).

TYPICAL INSTALLATION OF TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
for State Traffic Engineer

DATE 4/02/08

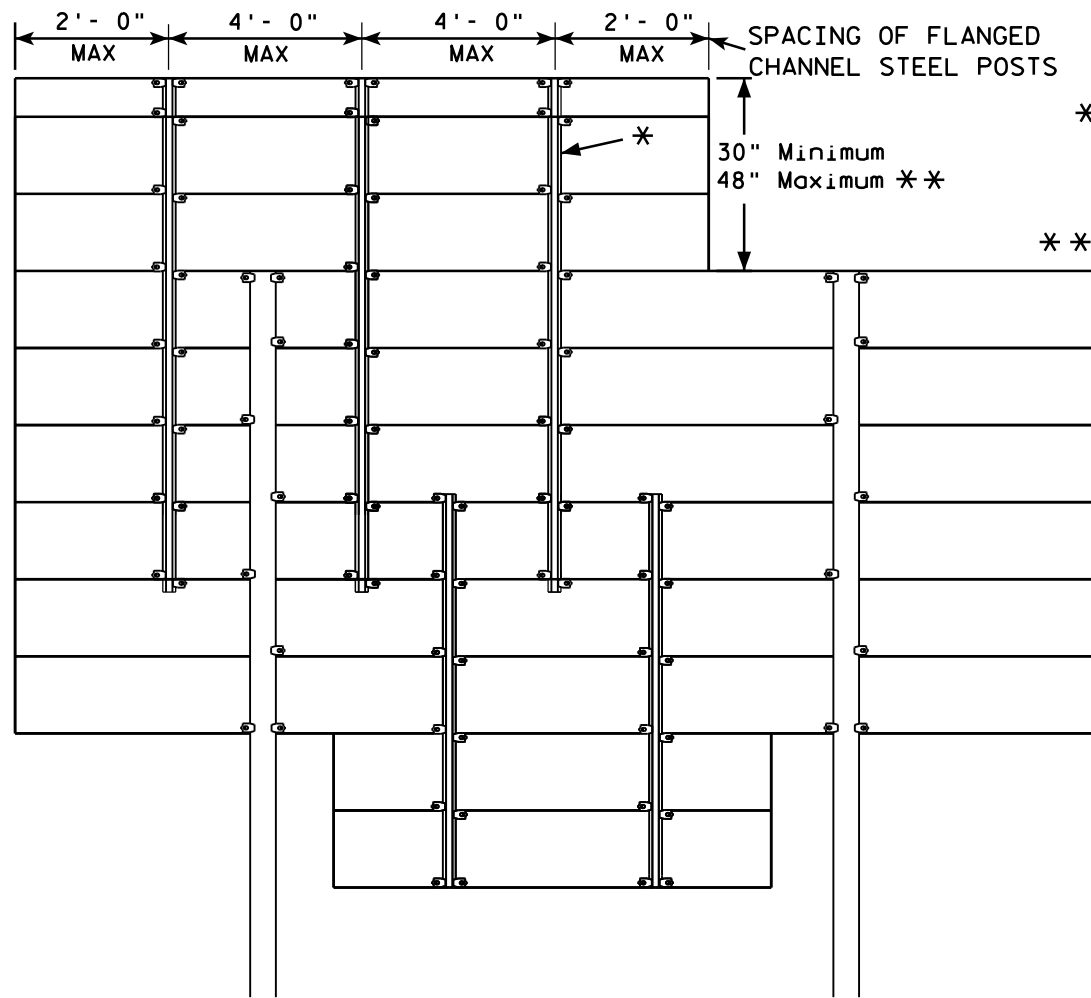
PLATE NO. A4-1.9

PROJECT NO:

SHEET NO:

E

GROUND MOUNTED SIGN

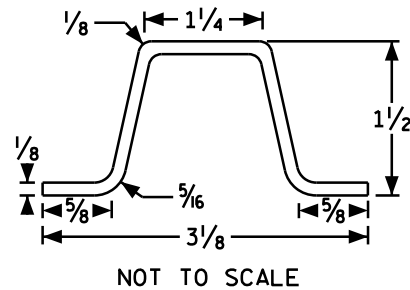


* = 2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

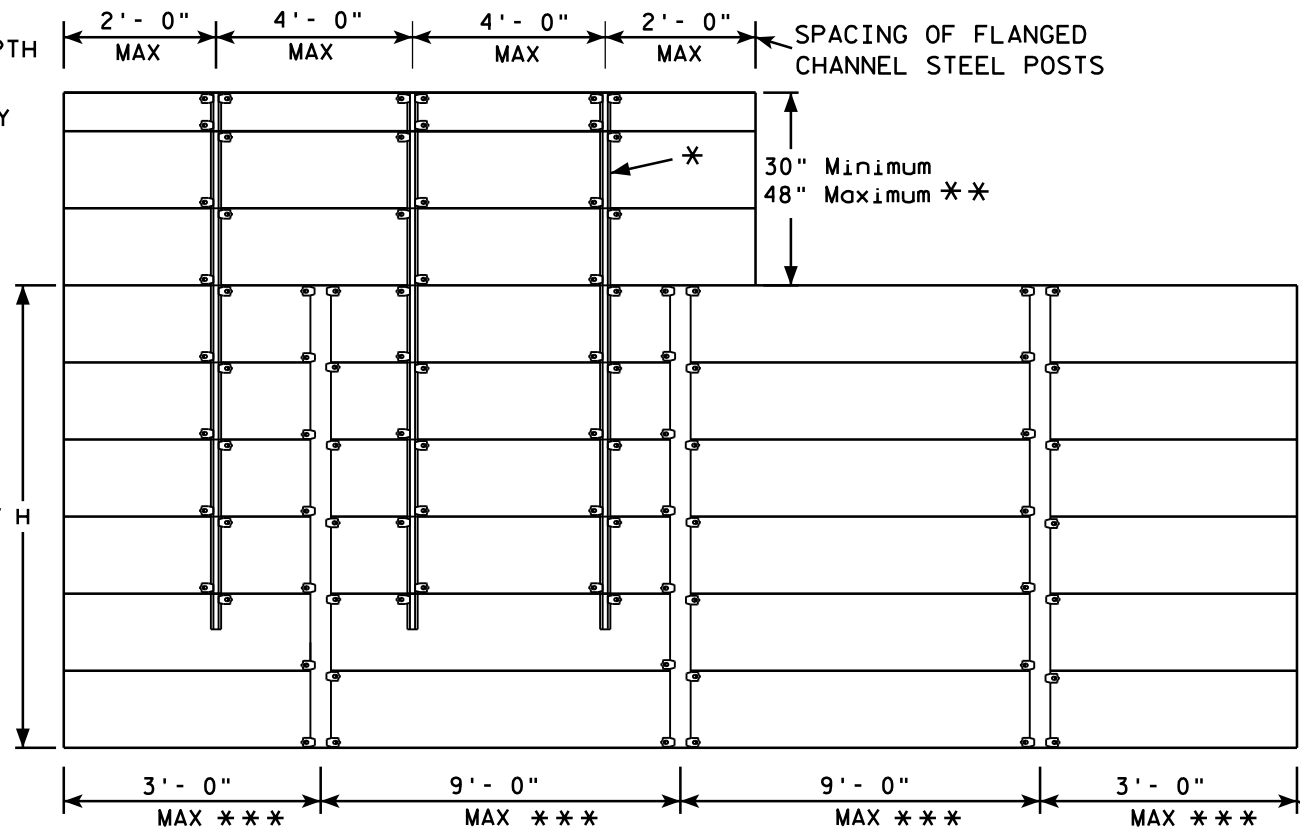
** = FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

*** 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



SPACING OF ALUMINUM SIGN SUPPORTS 5" X 3.5" X 3.7 LBS./ft.

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

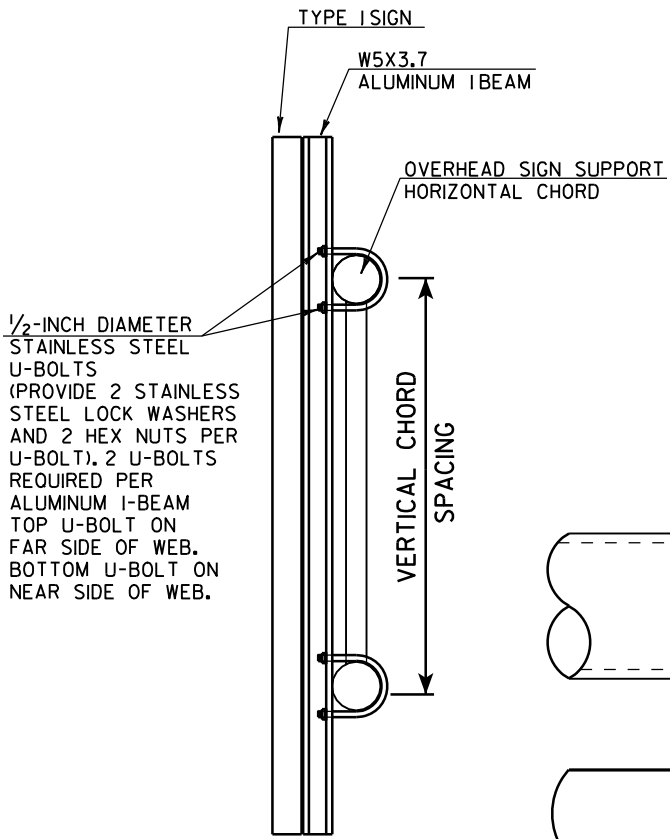
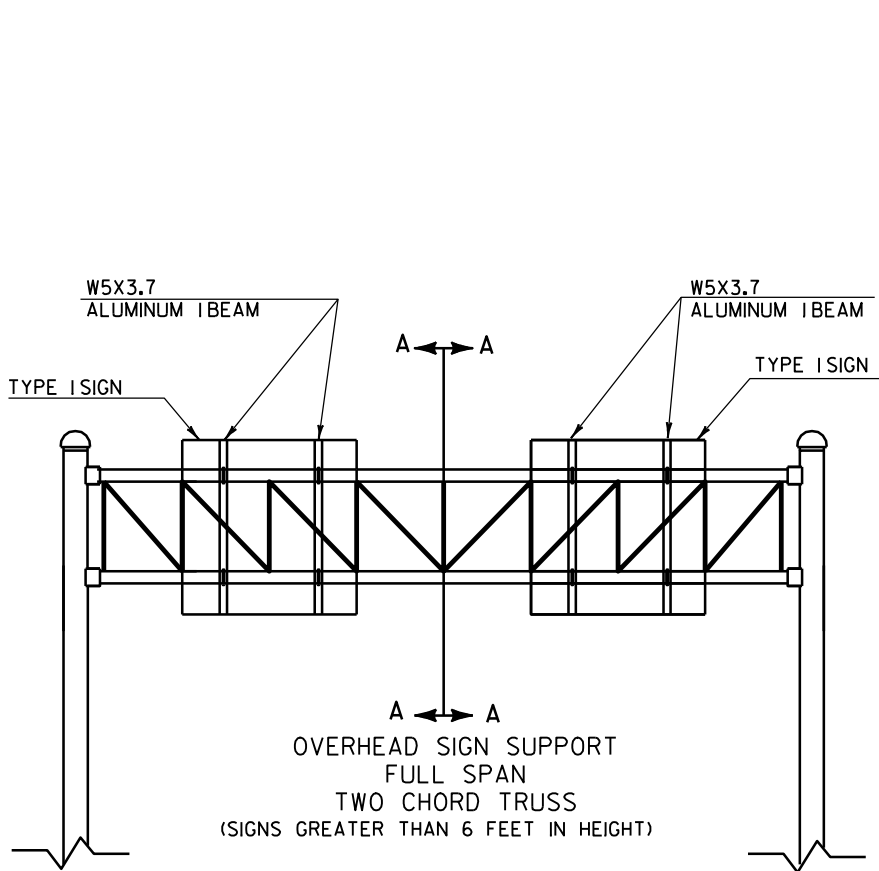
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

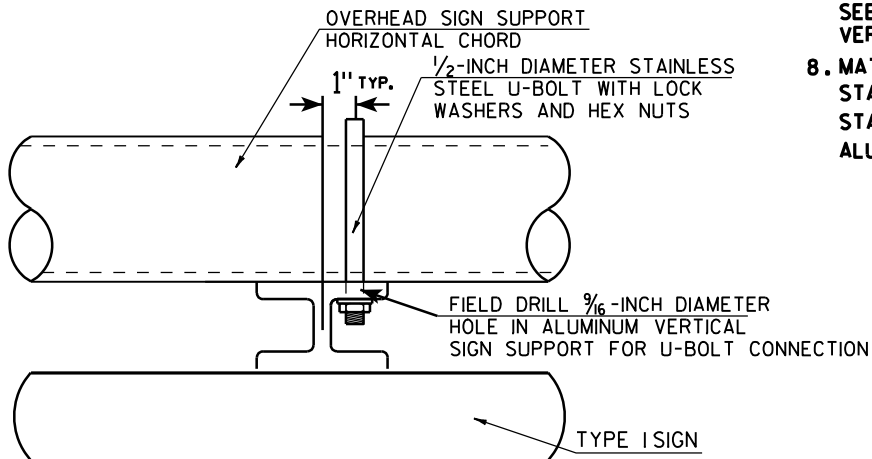
DATE 12/05/13 PLATE NO. A4-6.12

GENERAL NOTES

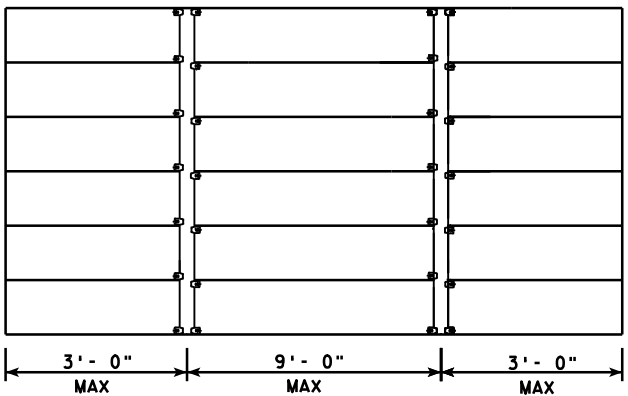
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE 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.



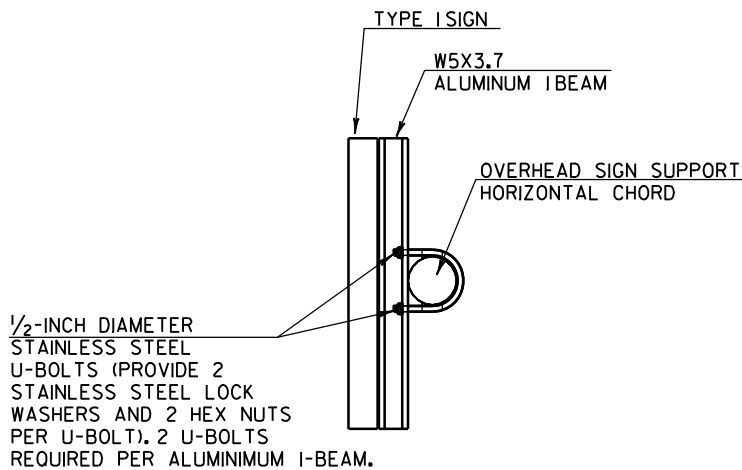
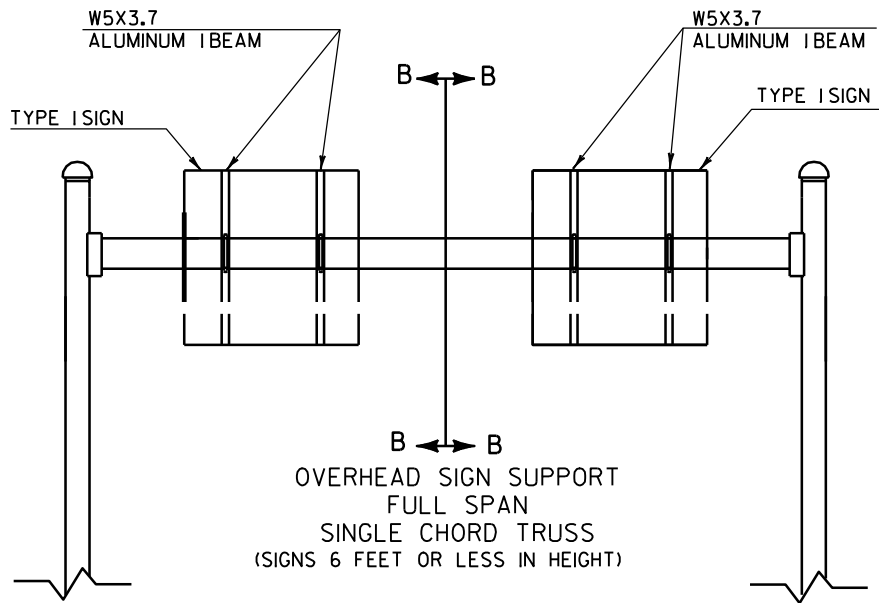
CUT SECTION A-A



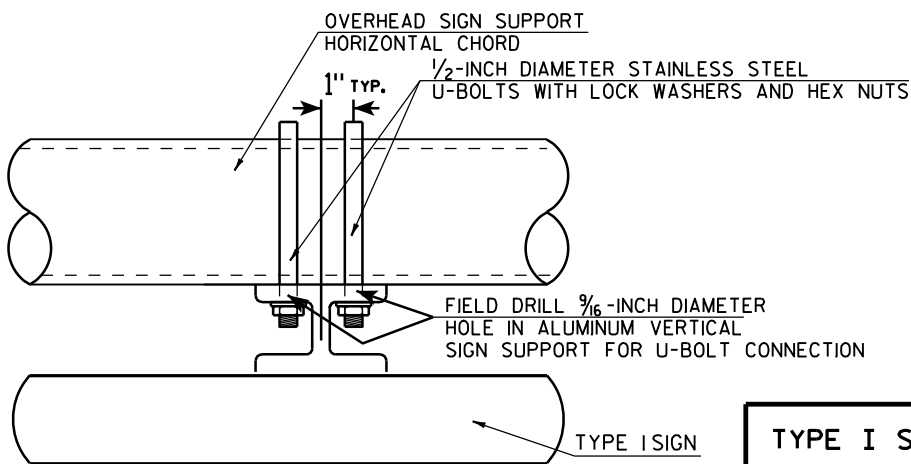
TYPICAL SIGN CONNECTION FOR TWO CHORD TRUSS PLAN VIEW



SPACING OF W5X3.7 ALUMINUM VERTICAL SIGN SUPPORT



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR SINGLE CHORD TRUSS PLAN VIEW

TYPE I SIGN CONNECTION TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/12/12 PLATE NO. A4-7.3

PROJECT NO:

HWY:

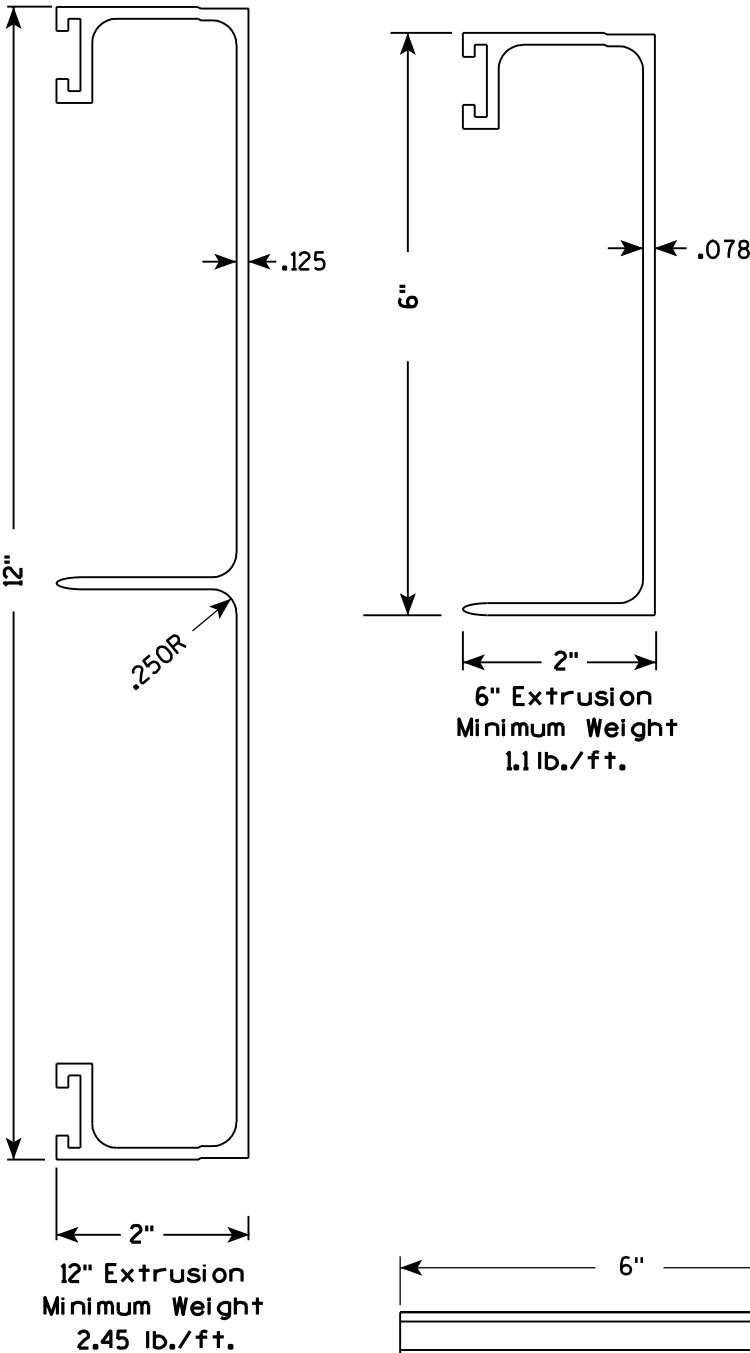
COUNTY:

SHEET NO:

E

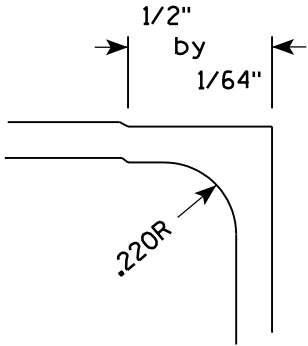
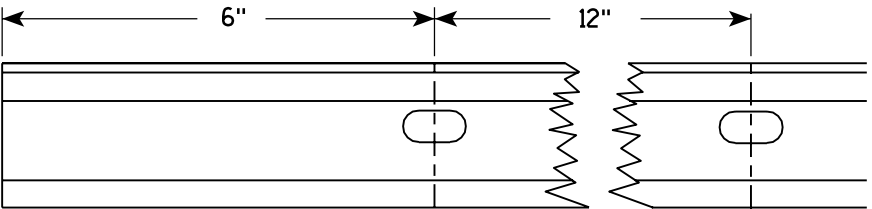
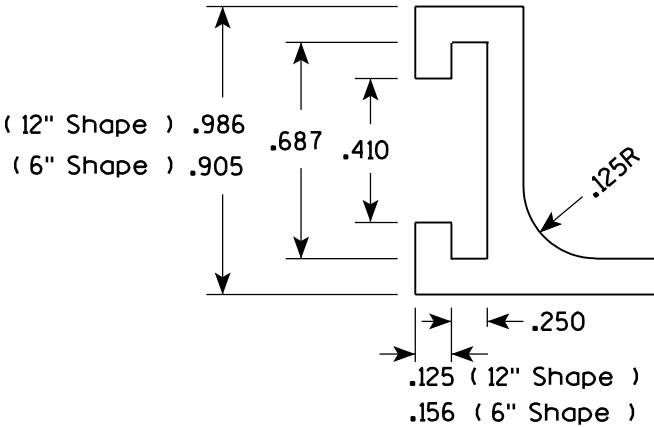
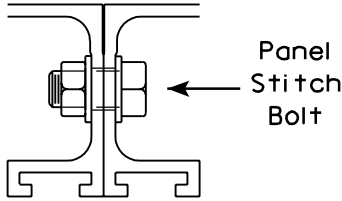
Extruded Shape

Hardware



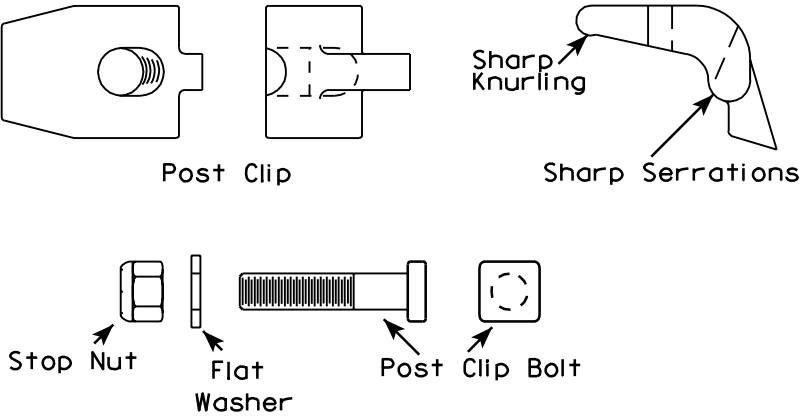
STITCH BOLT, WASHER & NUT

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



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

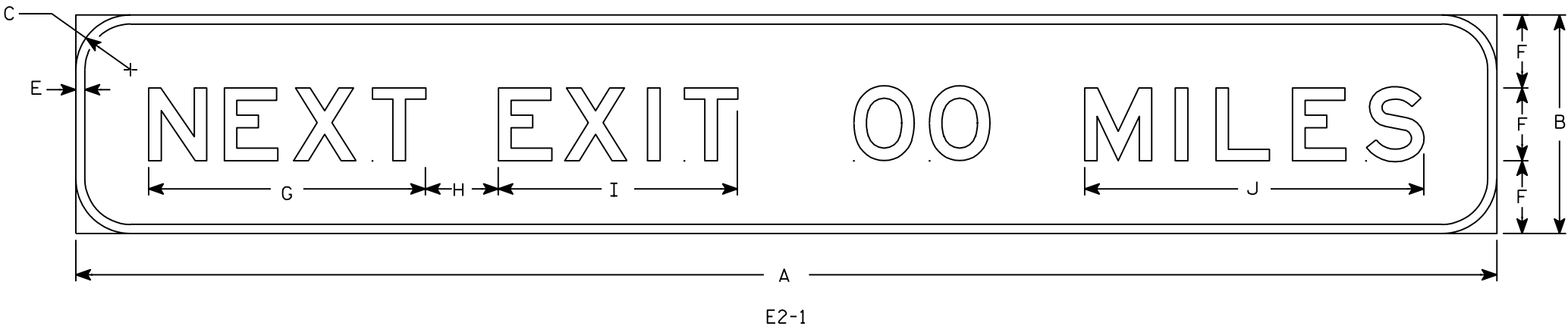
PROJECT NO:

SHEET NO:

E

NOTES

- 1. Sign is Type I - Type SH Reflective
- reference WIS DOT Standard
Specification for ROAD and BRIDGE
CONSTRUCTION latest edition.
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E
- 4. Substitute appropriate numerals
and adjust spacing as required
to achieve proper balance.



7

E2-1
Metric equivalent
for this sign is:

E2-1A
Metric equivalent
for this sign is:

SIZE		SIZE	
1		1	
2		2	
3		3	
4	3900 mmX 600 mm	4	2100 mm X 900 mm
5	3900 mmX 600 mm	5	2100 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Area sq. ft.	Area sq. ft.	Area sq. m.	Area sq. m.
1																												
2																												
3																												
4	156	24	6		1	8	30 3⁄8	8	26 1⁄4	37 1⁄4	7	6	10	9 3⁄8									84	36	26.0	21.0	2.42	1.95
5	156	24	6		1	8	30 3⁄8	8	26 1⁄4	37 1⁄4	7	6	10	9 3⁄8									84	36	26.0	21.0	2.42	1.95

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

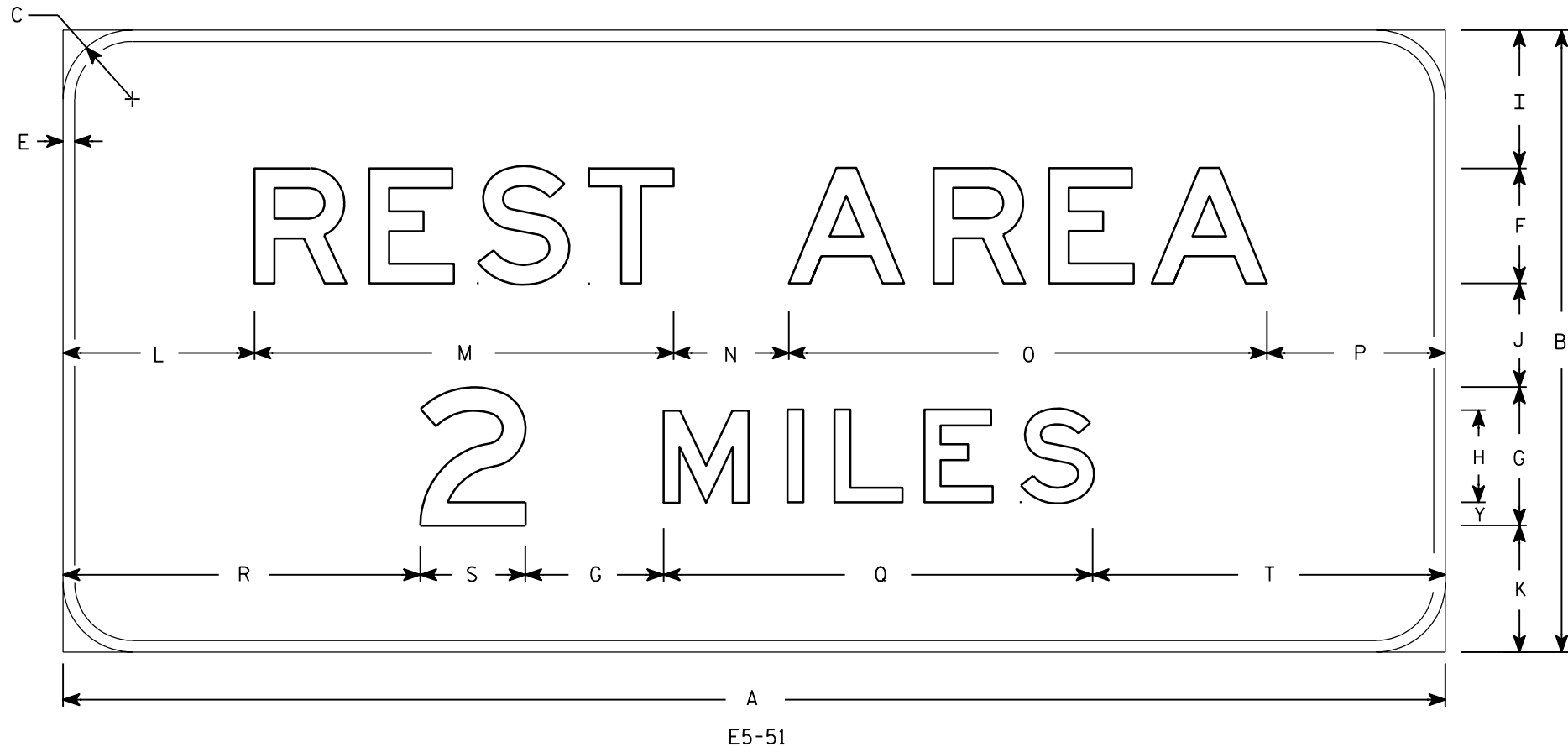
7

STANDARD SIGN
E2-1 & E2-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

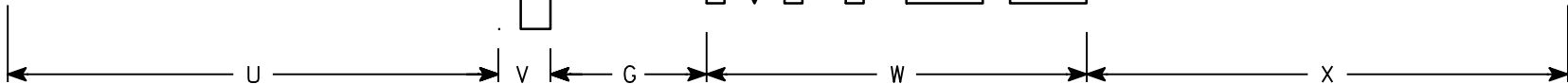
DATE 12/8/08 PLATE NO. E2-1.5



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

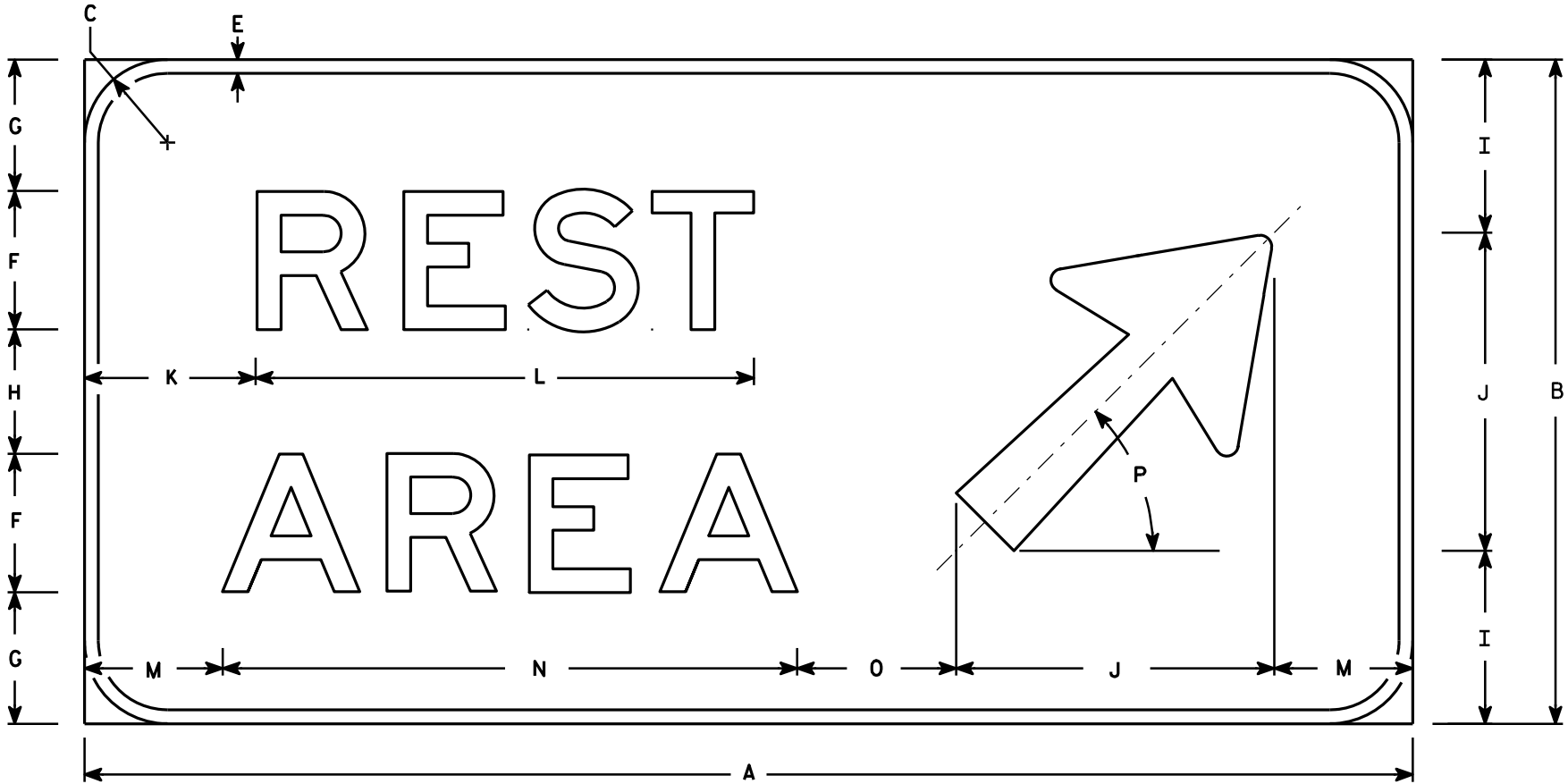
WISCONSIN DEPT OF TRANSPORTATION

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:

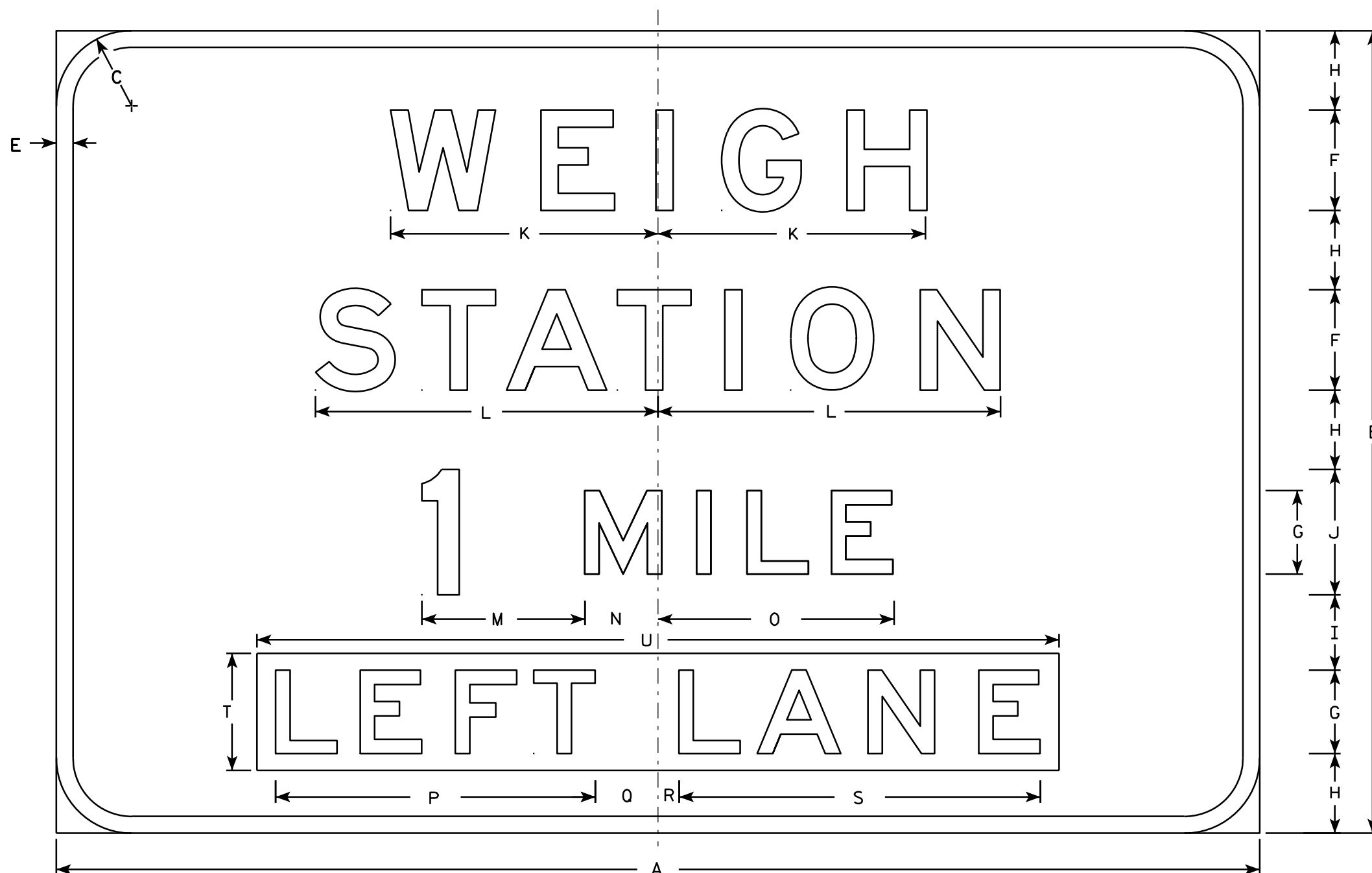
COUNTY:

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 - Green except as noted
Message - White except as noted
3. Message Series - E
4. LEFT LANE PLAQUE COLOR:
Background - Yellow - Type F Reflective
Message - Black



E5-56L

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	96	9		2	12	10	9 1/2	9	15	32	41	19 1/2	8 3/4	28 1/4	38 1/4	7 1/2	2 1/2	43 1/4	14	96						96.0
5	144	96	9		2	12	10	9 1/2	9	15	32	41	19 1/2	8 3/4	28 1/4	38 1/4	7 1/2	2 1/2	43 1/4	14	96						96.0

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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STANDARD SIGN E5-56L

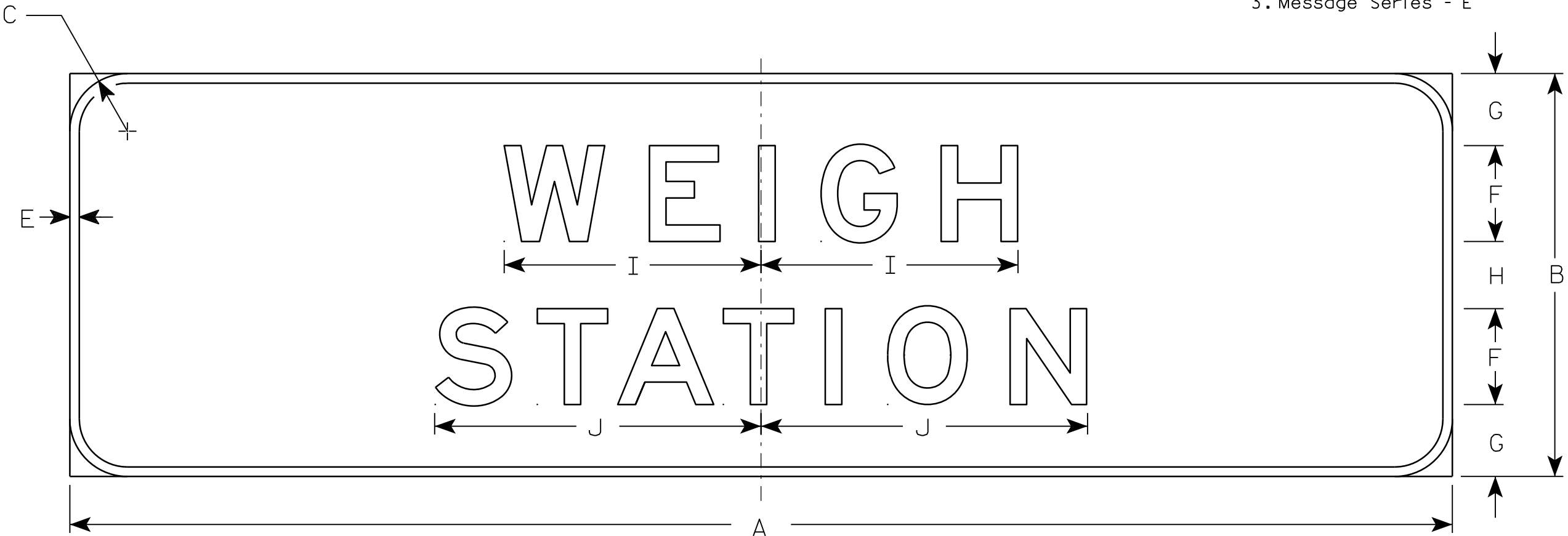
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/5/12 PLATE NO. E5-56L.8

NOTES

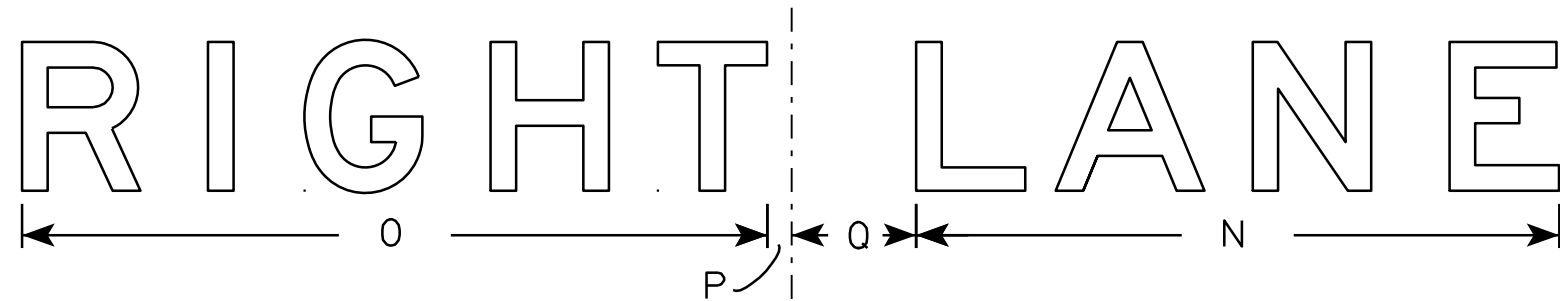
- 1. Sign is Type I - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
 - Background - Green
 - Message - White
- 3. Message Series - E



E5-57

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	42	6		1	10	7 1/2	7	26 3/4	34																	42.0
5	144	42	6		1	10	7 1/2	7	26 3/4	34																	42.0

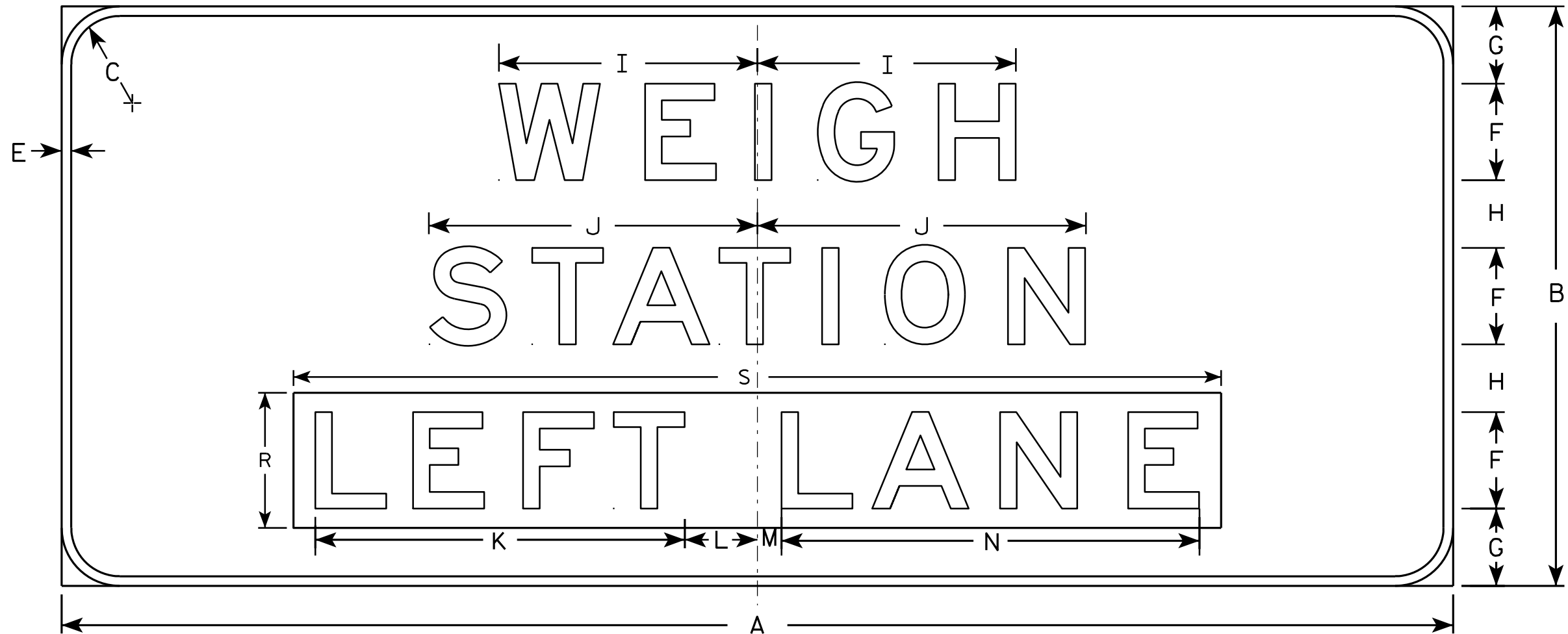
STANDARD SIGN E5-57	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 11/8/10	PLATE NO. E5-57.3



E5-57E

NOTES

- 1. Sign is Type I - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Green
Message - White
- 3. Message Series - E
- 4. LEFT LANE PLAQUE COLOR:
Background - Yellow - Type F Reflective
Message - Black
- 5. RIGHT LANE is on Green Background with White Message



E5-57D

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	60	6		1	10	8	7	26 ¾	34	38 ¼	7 ½	2 ½	43 ¼	50 ⅛	1 ⅝	8 ⅜	14	96								60.0
5	144	60	6		1	10	8	7	26 ¾	34	38 ¼	7 ½	2 ½	43 ¼	50 ⅛	1 ⅝	8 ⅜	14	96								60.0

STANDARD SIGN
E5-57D & E

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/5/2012 PLATE NO. E5-57D.5

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 - D for Line 1 & Series E for Line 2
- 4. Substitute appropriate numerals and optically adjust spacing.



E5-62

* See Note 4

Metric equivalent
for this sign is:

SIZE	
1	
2	
3	
4	3000 mm X 750 mm
5	3000 mm X 750 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2																												
3																												
4	120	30	6		1	8	5	25 3⁄8	9	14 7⁄8	11	29 1⁄8	25 1⁄2														25.0	2.25
5	120	30	6		1	8	5	25 3⁄8	9	14 7⁄8	11	29 1⁄8	25 1⁄2														25.0	2.25

STANDARD SIGN
E5-62

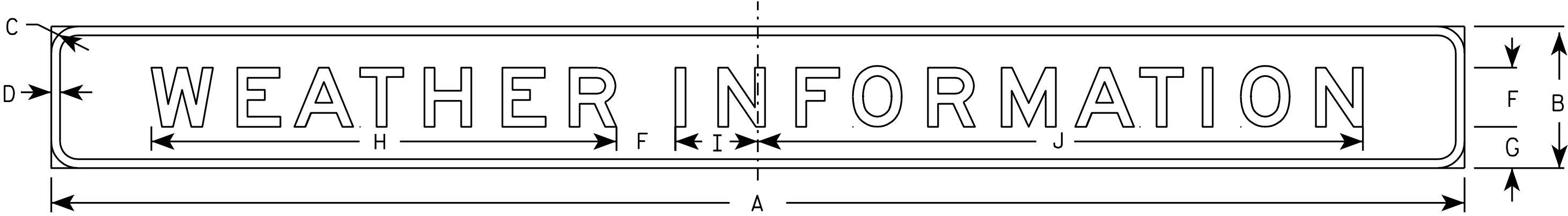
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 12/8/08 PLATE NO. E5-62.5

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



E10-54

7

Metric equivalent
for this sign is:

SIZE	
1	
2	
3	
4	
5	3000 mm X 300 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area sq.
1																												
2																												
3																												
4																												
5	120	12	2 1/4	3/4		5	3 1/2	39 1/2	7	51 3/8																	10.0	0.90

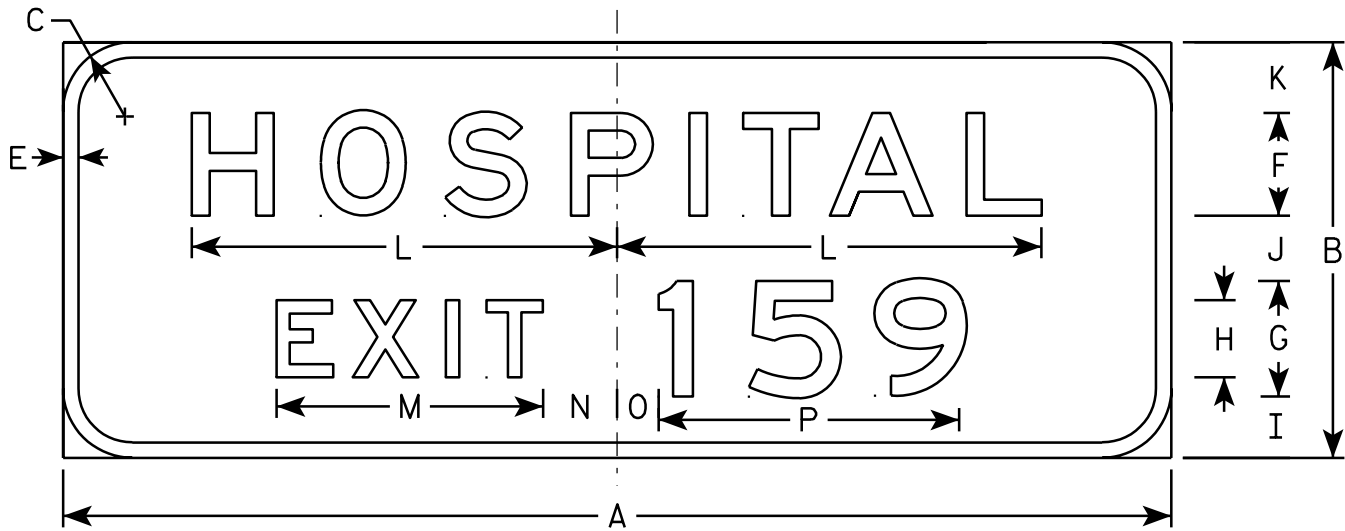
STANDARD SIGN
E10-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer
DATE 12/8/08 PLATE NO. E10-54.2

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. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, other than extrusions, the corners and borders shall be rounded.
- 5. Apply proper Exit Numbers and letters, optically adjust spacing to achieve proper balance.



E10-61

7

Metric equivalent
for this sign is:

SIZE	
1	
2	3600 mm X 1350 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m ²
1																												
2	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	4.86
3																												
4																												
5																												

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

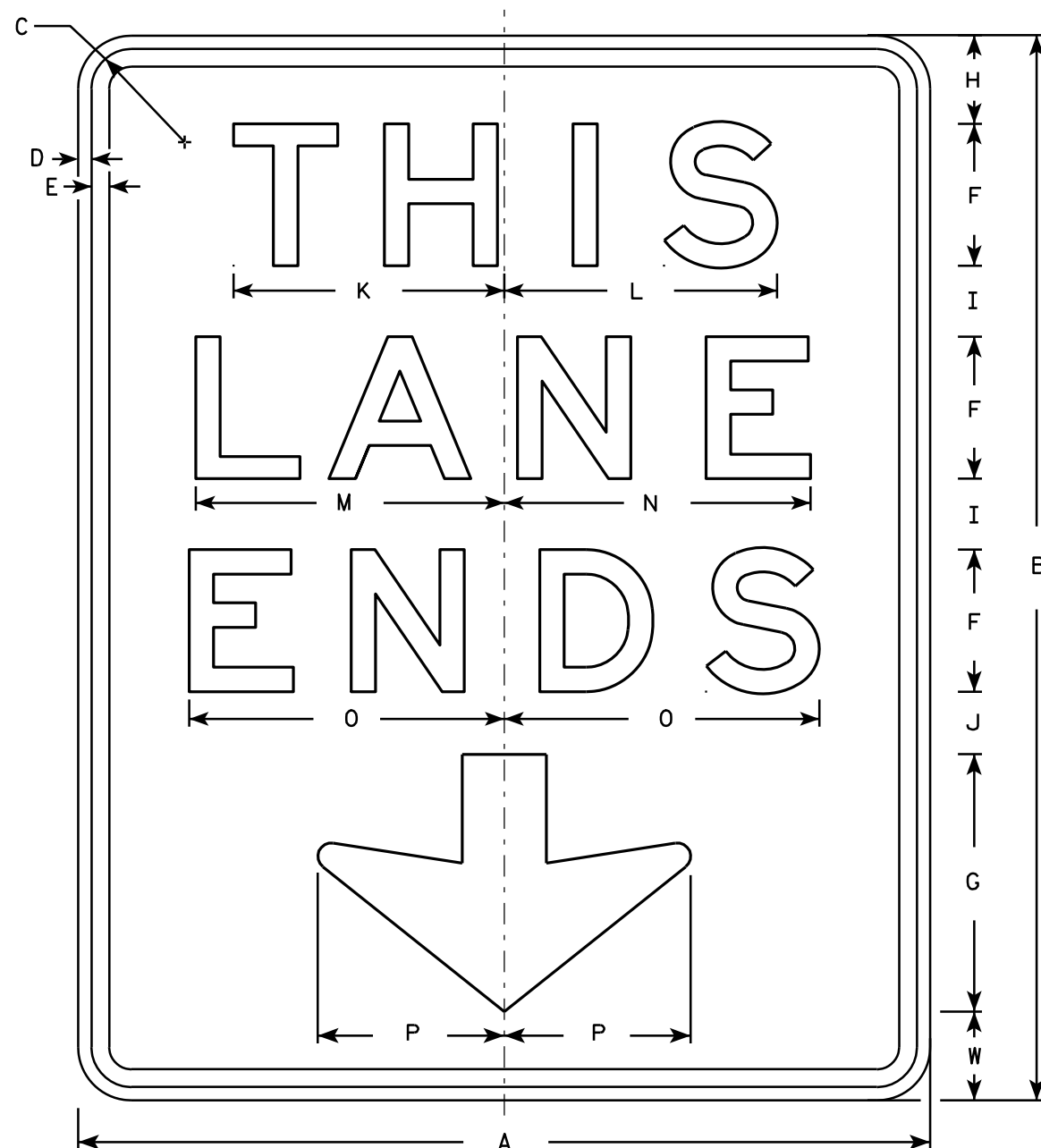
7

TYPICAL SIGNS
E10-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

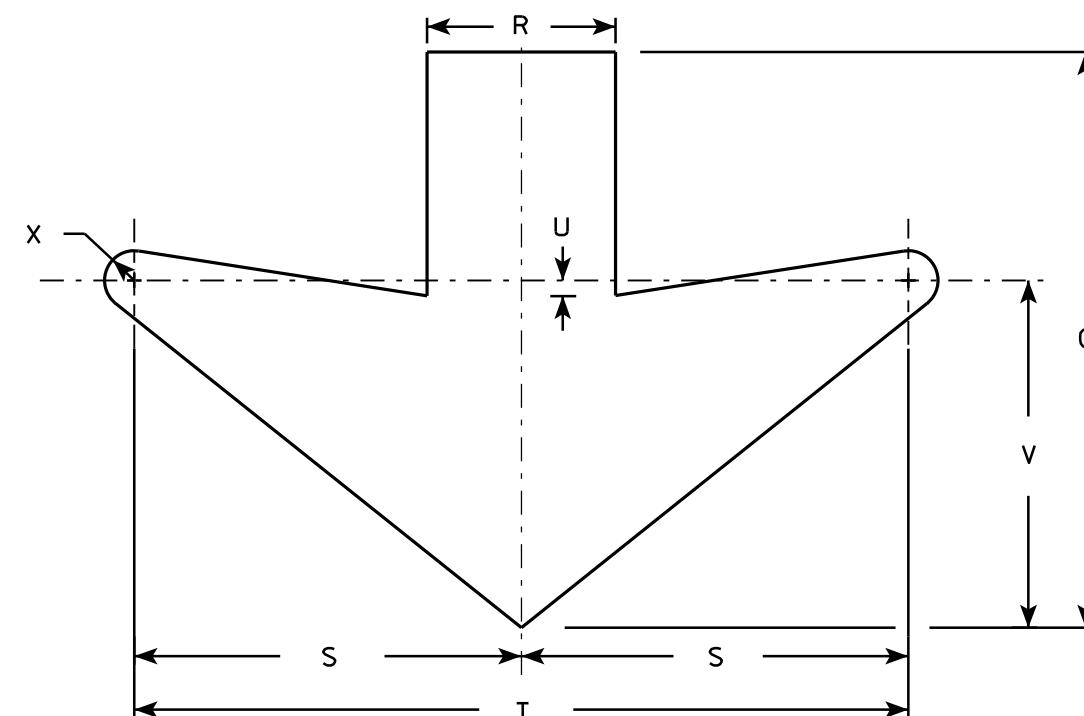
DATE 12/8/08 PLATE NO. E10-61.2



W9-62

NOTES

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



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	48	60	2 1/4	3/4	1	8	14 1/2	5	4	3 1/2	15 1/4	15 3/8	17 3/8	17 1/4	17 3/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
2S	48	60	2 1/4	3/4	1	8	14 1/2	5	4	3 1/2	15 1/4	15 3/8	17 3/8	17 1/4	17 3/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
2M	48	60	2 1/4	3/4	1	8	14 1/2	5	4	3 1/2	15 1/4	15 3/8	17 3/8	17 1/4	17 3/4	10 1/2		4 3/4	9 3/4	19 1/2	3/4	8 3/4	5	3/4			20.0
3																											
4	72	90	6	1	1 1/2	12	22	8	6	5	23	23	26 1/8	26 1/8	26 5/8	16		6 1/2	15	30	2	15	7	1			45.0
5	72	90	6	1	1 1/2	12	22	8	6	5	23	23	26 1/8	26 1/8	26 5/8	16		6 1/2	15	30	2	15	7	1			45.0

STANDARD SIGN

W9-62

WISCONSIN DEPT OF TRANSPORTATION

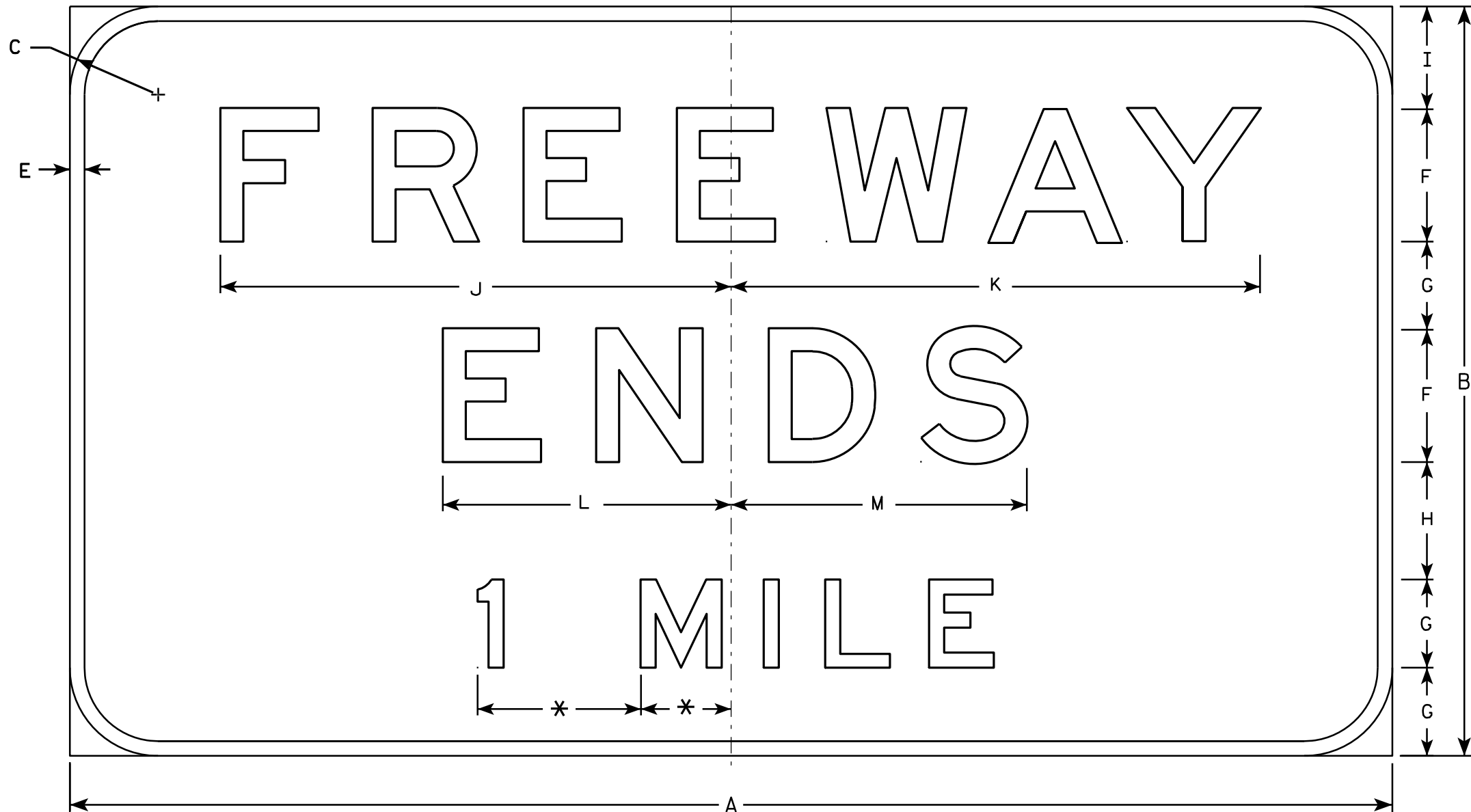
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W9-62.9

PROJECT NO:

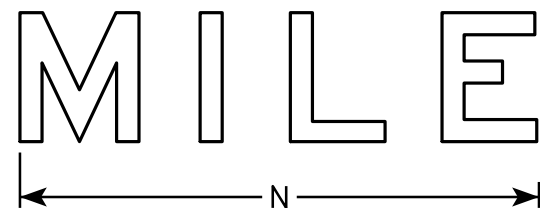
SHEET NO:

E



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:

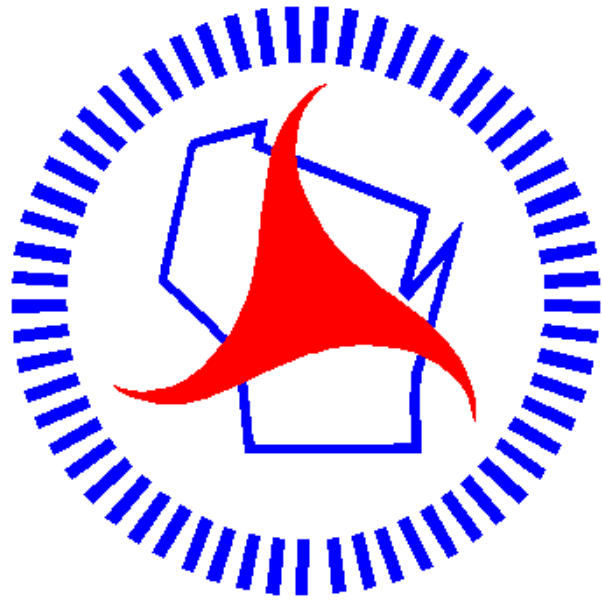
HWY:

COUNTY:

SHEET NO:

E

Notes



Wisconsin Department of Transportation

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