

GRE
WITH: PROJECT ID: 1009-30-08

MAY 2016

ORDER OF SHEETS

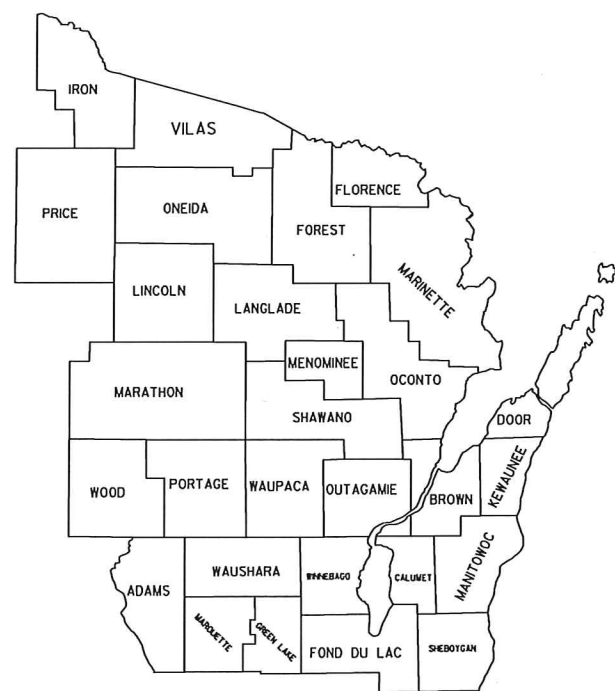
Section No.	Title
1	Typical Sections and Details
2	Estimate of Quantities
3	Miscellaneous Quantities
4	Right of Way Plat
5	Plan and Profile
6	Standard Detail Drawings
7	Sign Plates
8	Structure Plans
9	Computer Earthwork Data
9	Cross Sections

TOTAL SHEETS = 94

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
SIGN BRIDGE REPAIR NE & NC
REGION WIDE VARIOUS STH HWY
NE & NC REGION

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-30-08	WISC 2016172	1

STATE PROJECT NUMBER
1009-30-08



DESIGN DESIGNATION

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

CONVENTIONAL SYMBOLS

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

LAYOUT
SCALE 0 0 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.0 MI.



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	
Designer	FISH & ASSOCIATES, INC.
Project Manager	KYLE TREML
Regional Examiner	
Regional Supervisor	ROBERT WAGNER
C.O. Examiner	
APPROVED FOR THE DEPARTMENT	
DATE: 3/15/16	(Signature)

DNR LIASION CONTACTS

JIM DOPERALSKI BROWN, MARINETTE, MENOMINEE, OCONTO, SHAWANO COUNTIES	(920) 412-0165	JAMES.DOPERALSKI@WISCONSIN.GOV
BOBBI JO FISCHER GREEN LAKE, MARQUETTE, WAUPACA, WAUSHARA COUNTIES	(920) 787-3015	BOBBI.FISCHER@WISCONSIN.GOV
SHAWN HASELEU PRICE COUNTY	(715) 635-4228	SHAWN.HASELEU@WISCONSIN.GOV
MARC HERSHFIELD ADAMS, JUNEAU, MARATHON, PORTAGE, WOOD COUNTIES	(715) 421-7867	MARC.HERSHFIELD@WISCONSIN.GOV
MATT SCHAEVE CALUMET, DOOR, KEWAUKEE, MANITOWOC, OUTAGAMIE COUNTIES	(920) 366-1544	MATTHEW.SCHAEVE@WISCONSIN.GOV
JAY SCHIEFELBEIN FOND DU LAC, SHEBOYGAN, WINNEBAGO COUNTIES	(920) 662-5130	JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV
JON SIMONSEN FLORANCE, FOREST, IRON, LANGLADE, LINCOLN, ONIDEA, TAYLOR, VILAS COUNTIES	(715) 365-8916	JONATHAN.SIMONSEN@WISCONSIN.GOV

GENERAL NOTES

THERE ARE UTILITY FACILITES 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 UTILITES THAT HAVE FACILITES IN THE AREA. NOT ALL UTILITES ARE MEMBERS OF DIGGERS HOTLINE.

DESIGN CONTACT

FISH & ASSOCIATES, INC.
3148 DEMING WAY, SUITE 160
MIDDLETON, WI 53562
ATTN: BRIAN R. SCHMIDT
(608) 831-3238



SIGN BRIDGE LOCATIONS - BROWN COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-05-0106	USH 141	NB	USH 141, JUST SOUTH OF CTH JJ ROUNDABOUT
S-05-0109	STH 29	EB	0.40 MI E OF CTH FF
S-05-0116	STH 54	WB	STH 54/STH 172 ROUND-A-BOUT
S-05-0118	STH 172	EB	STH 172/AIRPORT ROUND-A-BOUT
S-05-0119	STH 172	WB	STH 172 WB JUST EAST OF ENTRANCE TO AUSTIN STRAUBEL AIRPORT
S-05-0214	USH 41	NB	USH 41 RAMP/CTH F ROUNDABOUT
S-05-0278	STH 29	EB	SHAWANO AVE/TAYLOR ST ROUNDABOUT

SIGN BRIDGE LOCATIONS - FOND DU LAC COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-20-0008	USH 151	NB	USH 151 OFF RAMP TO STH 26 NB
S-20-0203	USH 151	SB	0.1 MI N OF USH 151

SIGN BRIDGE LOCATIONS - MARATHON COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-37-0051	I-39/USH 51	NB	1 MILE SOUTH OF STH 29 INTERCHANGE
S-37-0052	I-39/USH 51	NB	AT THE EXIT TO STH 29 EAST
S-37-0056	USH 51	NB	1 MILE SOUTH OF SHERMAN ST
S-37-0057	USH 51	NB	1/4 MILE SOUTH OF STH 29 WEST
S-37-0060	USH 51	NB	USH 51 AT EXIT TO SHERMAN ST
S-37-0076	USH 51	SB	AT EXIT TO STH 29 EB
S-37-0079	STH 29	WB	AT EXIT TO I-39/USH 51 SB
S-37-0082	USH 51	SB	AT EXIT TO USH 52

SIGN BRIDGE LOCATIONS - ONEIDA COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-43-0008	USH 8	WB	50 FEET SOUTH OF USH 8 BUSINESS SPLIT
S-43-0015	STH 70	EB	1/2 MILE WEST OF USH 51

SIGN BRIDGE LOCATIONS - OUTAGAMIE COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-44-0007	USH 41	SB	USH 41 SB OFF-RAMP TO CTH BB
S-44-0013	USH 41	SB	USH 41 SB OFF-RAMP TO WISCONSIN AVE (STH 96)
S-44-0014	USH 41	NB	BETWEEN WISCONSIN AVE & STH 15
S-44-0016	USH 41	NB	USH 41 NB OFF-RAMP TO STH 15
S-44-0017	STH 15	WB	500' EAST OF CTH M (HORTONVILLE)
S-44-0037	USH 41	SB	BETWEEN WISCONSIN AVE & COLLEGE AVE
S-44-0038	USH 41	SB	BETWEEN WISCONSIN AVE & COLLEGE AVE
S-44-0039	USH 41	NB	USH 41 NB OFF-RAMP TO WISCONSIN AVE. (STH 96)
S-44-0041	USH 41	NB	USH 41 NB OFF-RAMP TO COLLEGE AVE
S-44-0042	USH 41	SB	USH 41 SB OFF-RAMP TO COLLEGE AVE (STH 125)
S-44-0043	USH 41	NB	USH 41 NB OFF-RAMP TO WISCONSIN AVE. (STH 96)

SIGN BRIDGE LOCATIONS - PORTAGE COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-49-0011	STH 66	WB	JUST EAST OF WATER ST.

SIGN BRIDGE LOCATIONS - PRICE COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-50-0003	STH 70	EB	AT STH 13

SIGN BRIDGE LOCATIONS - SHEBOYGAN COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-59-0003	I-43	NB	I43 NB OFF-RAMP TO STH 23 WB
S-59-0005	I-43	SB	I43 SB OFF-RAMP TO STH 23 EB
S-59-0036	STH 57	WB	STH 57/CTH C INTERSECTION
S-59-0038	STH 57	EB	STH 57/CTH C INTERSECTION

SIGN BRIDGE LOCATIONS - VILAS COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-63-0002	USH 51	SB	140 FEET NORTH OF STH 70

SIGN BRIDGE LOCATIONS - WAUPACA COUNTY

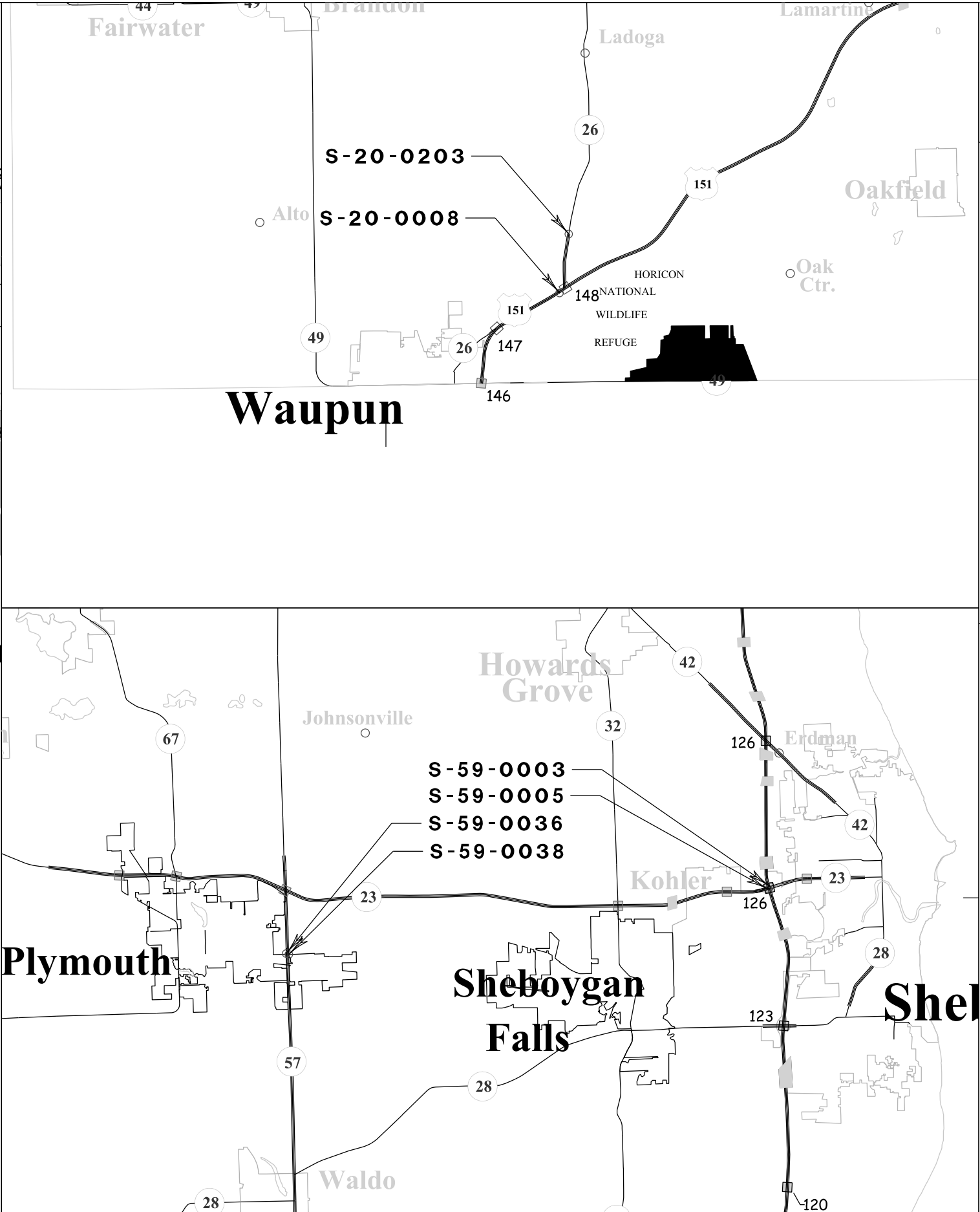
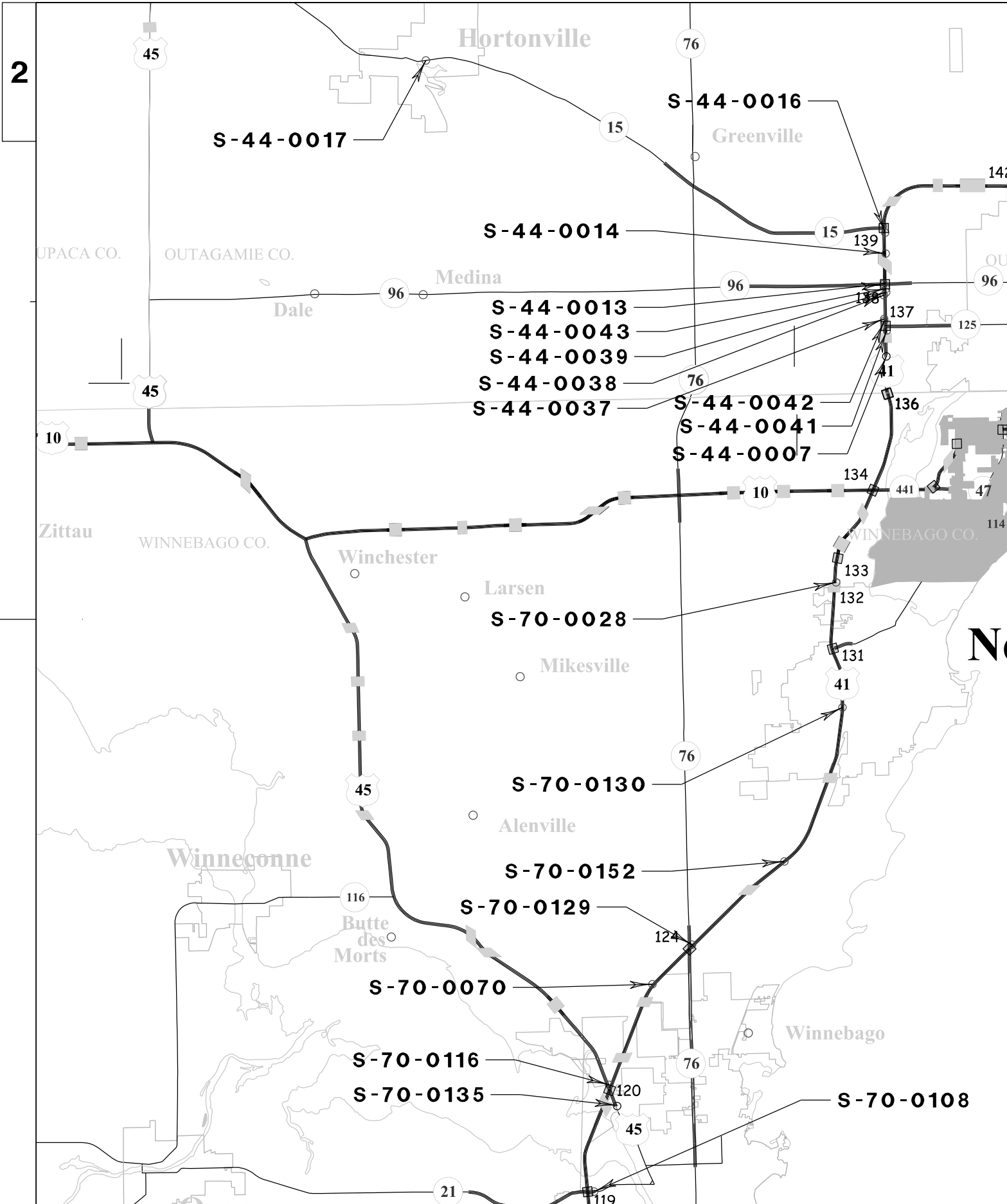
SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-68-0002	STH 110	WB	0.1 MILE EAST OF WOLF RIVER

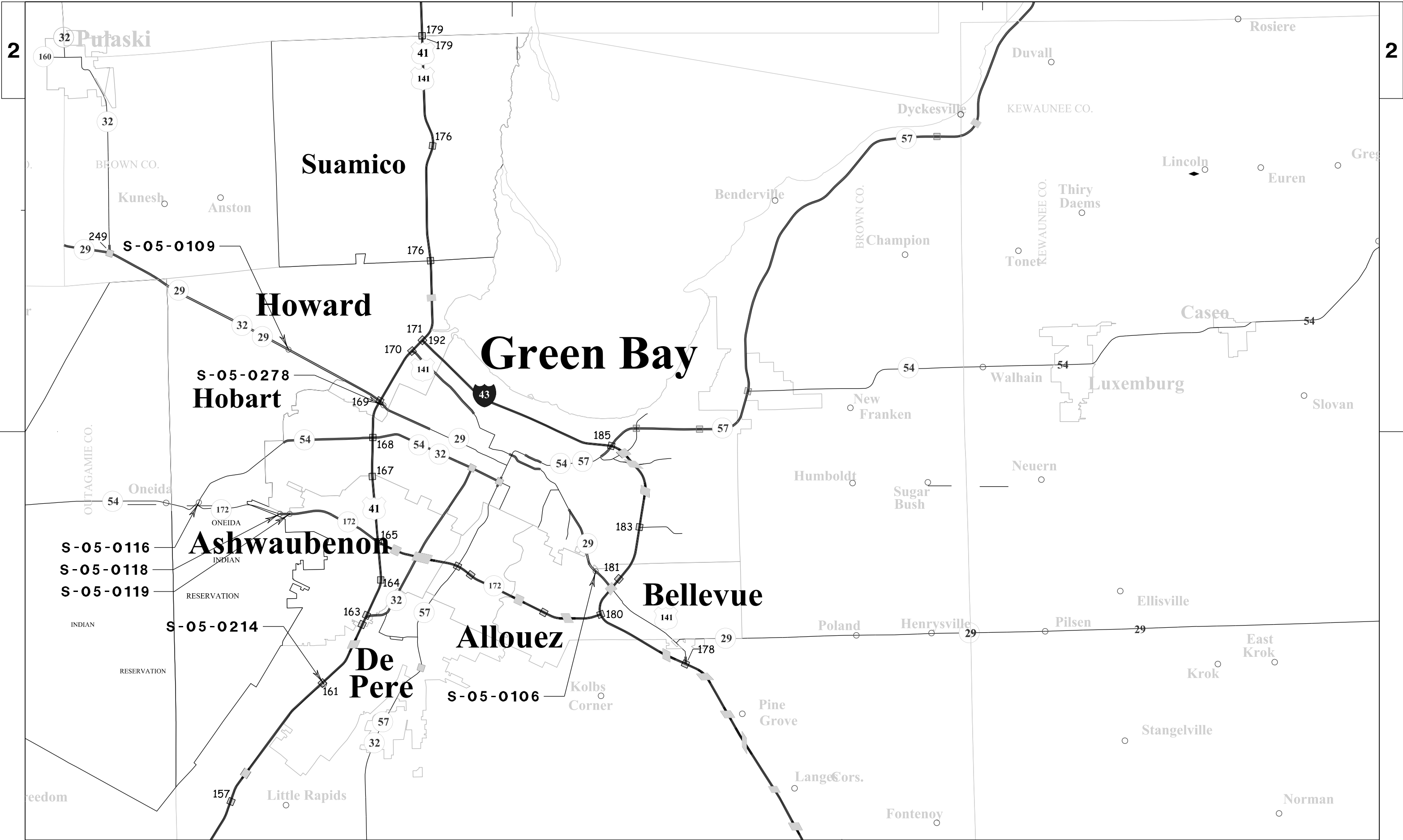
SIGN BRIDGE LOCATIONS - WINNEBAGO COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-70-0028	USH 41	SB	AT GORE EXIT TO MAIN STREET
S-70-0070	USH 41	NB	0.5 MI NORTH OF CTH Y
S-70-0108	STH 21	EB	WEST OF KOELLER STREET
S-70-0116	USH 41	SB	USH 41 SB OFF-RAMP TO USH 45
S-70-0129	USH 41	SB	4.8 MI SOUTH OF BREEZEWOOD LANE
S-70-0130	USH 41	SB	0.3 MI NORTH OF BREEZEWOOD LANE
S-70-0135	USH 45	NB	200 FEET SOUTH OF USH 41
S-70-0152	USH 41	SB	CMB N OF CTH GG

SIGN BRIDGE LOCATIONS - WOOD COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-71-0022	STH 54/73	EB/NB	230' SOUTH OF STH 13 EXPRESSWAY





PROJECT NO:1009-30-08

HWY: VARIOUS

COUNTY: BROWN

COUNTY STRUCTURE LOCATIONS

SCALE: NOT TO SCALE

SHEET

E

FILE NAME : \$\$....designfile....\$\$

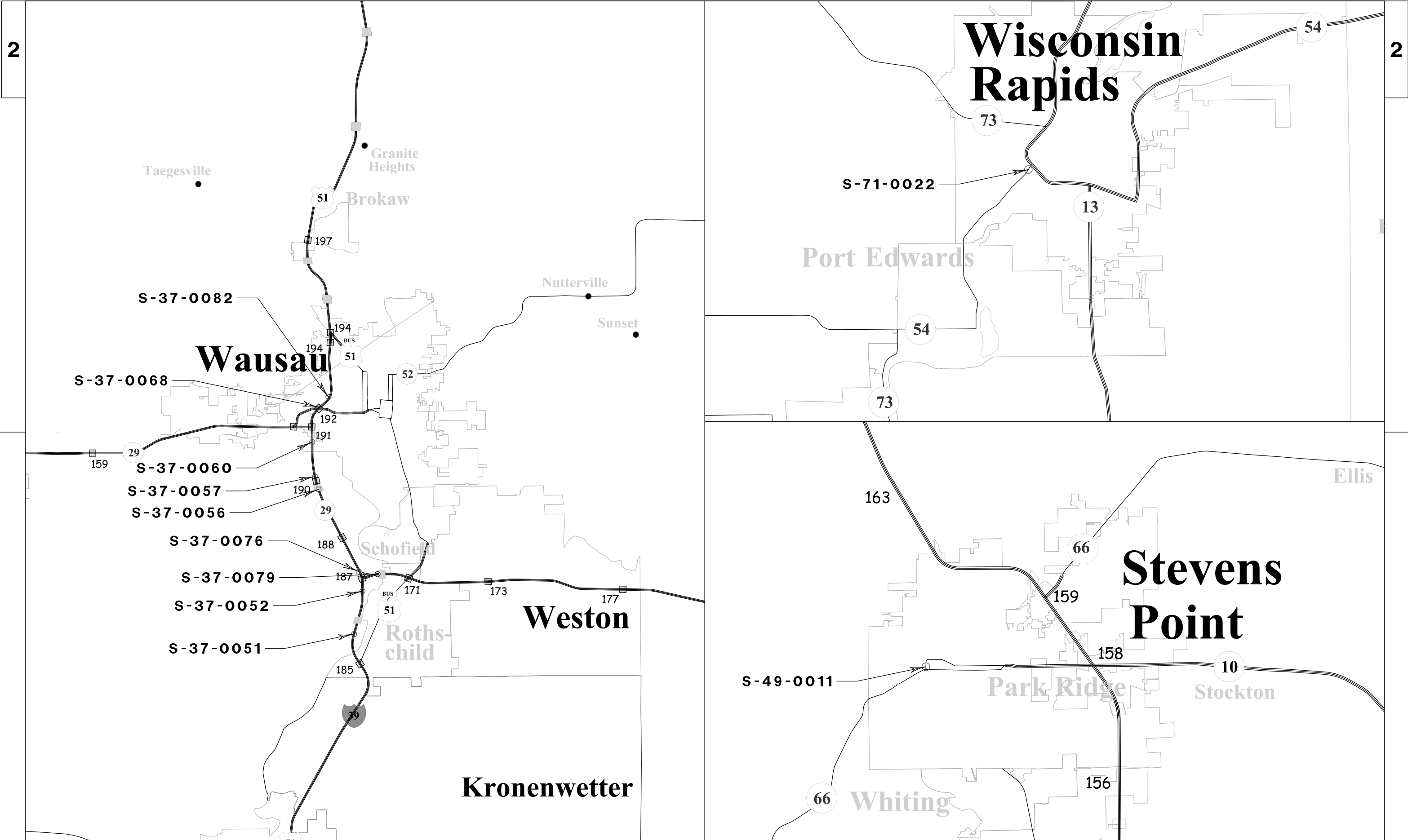
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PLOT BY : \$\$...plotuser...\$\$

PLOT NAME : _____

PLOT SCALE : \$\$.....plotscale.....\$\$

WISDOT/CADDs SHEET 42



PROJECT NO:1009-30-08

HWY: VARIOUS

COUNTY: MARATHON/PORTAGE/WOOD

COUNTY STRUCTURE LOCATIONS

SCALE: NOT TO SCALE

SHEET

E

FILE NAME : \$\$....designfile....\$\$

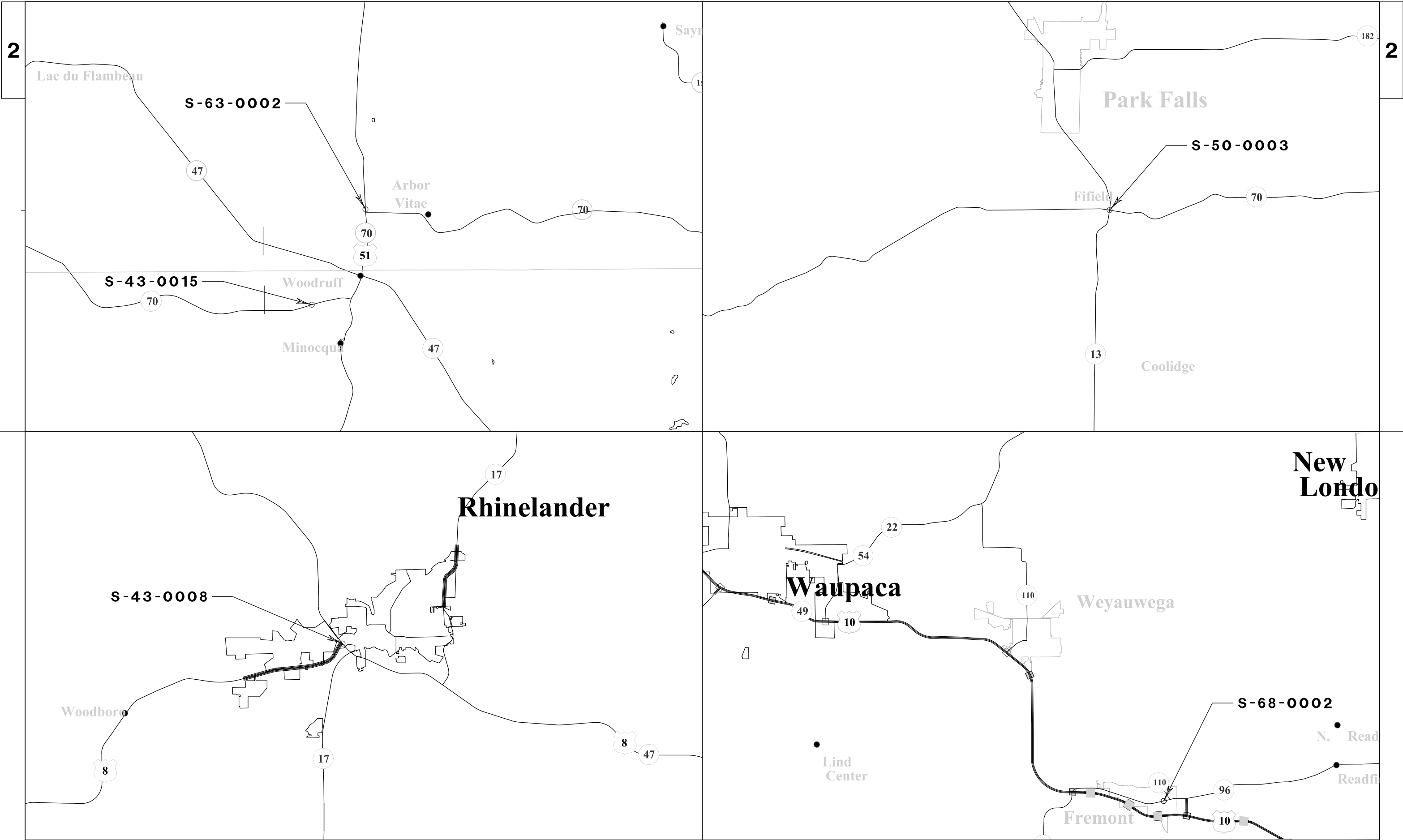
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PLOT BY : \$\$...plotuser...\$\$

PLOT NAME : _____

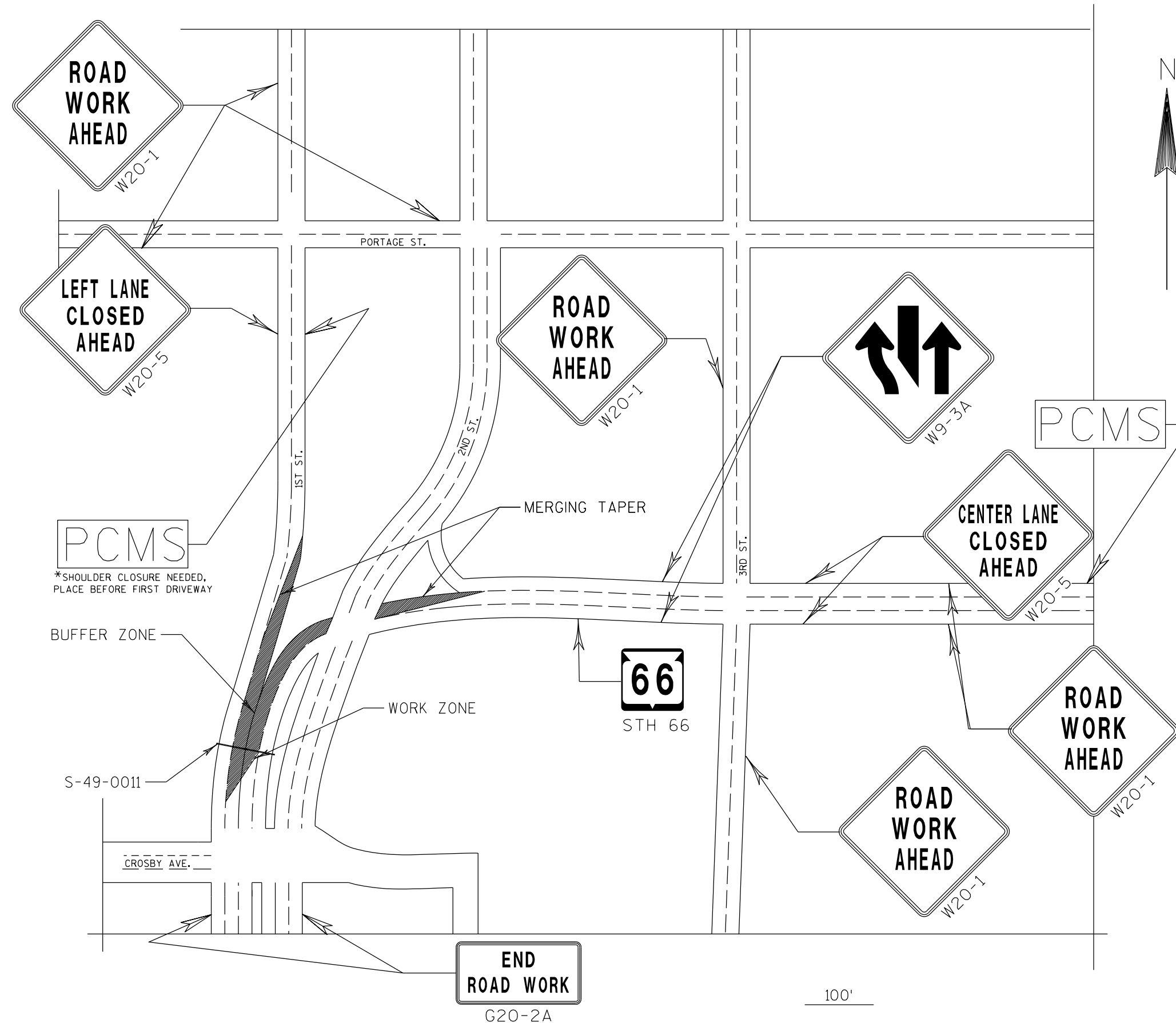
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WISDOT/CADDs SHEET 42



TRAFFIC CONTROL AND WORK RESTRICTIONS

STRUCTURE NUMBER	HIGHWAY	COUNTY	TRAFFIC CONTROL	WORK RESTRICTION 1	WORK RESTRICTION 2	WORK RESTRICTION 3
S-05-0106	USH 141	BROWN	SDD 15D12			
S-05-0109	STH 29	BROWN	NONE	7:00 AM TO 9:00 AM DAILY		
S-05-0116	STH 54	BROWN	NONE			
S-05-0118	STH 172	BROWN	SDD 15D20			
S-05-0119	STH 172	BROWN	SDD 15D20			
S-05-0214	USH 41	BROWN	SDD 15D12	7:00 AM TO 8:00 AM DAILY	4:00 PM TO 5:00 PM DAILY	
S-05-0278	STH 29	BROWN	SDD 15D12	7:00 AM TO 9:00 AM DAILY	2:00 PM TO 6:00 PM DAILY	
S-20-0008	USH 151	FOND DU LAC	SDD 15D12 AND SDD 15D16	12:00 PM TO 6:00 PM SUNDAY		
S-20-0203	USH 151	FOND DU LAC	SDD 15D15			
S-37-0051	I-39/USH 51	MARATHON	SDD 15D12	ALL DAY, FRIDAY THROUGH SUNDAY	5:00 AM TO 9:00 AM MONDAY THROUGH THURSDAY	3:00 PM to 7:00 PM MONDAY THROUGH THURSDAY
S-37-0052	I-39/USH 51	MARATHON	SDD 15D12, PCMS	5:00 AM TO 7:00 PM DAILY		
S-37-0056	USH 51	MARATHON	SDD 15D12	ALL DAY, FRIDAY THROUGH SUNDAY	5:00 AM TO 9:00 AM MONDAY THROUGH THURSDAY	3:00 PM to 7:00 PM MONDAY THROUGH THURSDAY
S-37-0057	USH 51	MARATHON	SDD 15D12	ALL DAY, FRIDAY THROUGH SUNDAY	5:00 AM TO 9:00 AM MONDAY THROUGH THURSDAY	3:00 PM to 7:00 PM MONDAY THROUGH THURSDAY
S-37-0060	USH 51	MARATHON	SDD 15D12	ALL DAY, FRIDAY THROUGH SUNDAY	5:00 AM TO 9:00 AM MONDAY THROUGH THURSDAY	3:00 PM to 7:00 PM MONDAY THROUGH THURSDAY
S-37-0076	USH 51	MARATHON	SDD 15D27			
S-37-0079	STH 29	MARATHON	SDD 15D12, COORDINATE WITH 1053-02-74	ALL DAY, FRIDAY THROUGH SUNDAY	5:00 AM TO 9:00 AM MONDAY THROUGH THURSDAY	3:00 PM to 7:00 PM MONDAY THROUGH THURSDAY
S-37-0082	USH 51	MARATHON	SDD 15D27			
S-43-0008	USH 8	ONEIDA	SDD 15D20			
S-43-0015	STH 70	ONEIDA	SDD 15D20			
S-44-0007	USH 41	OUTAGAMIE	SDD 15D27			
S-44-0013	USH 41	OUTAGAMIE	SDD 15D12 AND SDD 15D15	6:00 AM TO 6:00 PM DAILY		
S-44-0014	USH 41	OUTAGAMIE	SDD 15D12	6:00 AM TO 6:00 PM DAILY		
S-44-0016	USH 41	OUTAGAMIE	SDD 15D12	6:00 AM TO 6:00 PM DAILY		
S-44-0017	STH 15	OUTAGAMIE	SDD 15D12			
S-44-0037	USH 41	OUTAGAMIE	SDD 15D12	6:00 AM TO 6:00 PM DAILY		
S-44-0038	USH 41	OUTAGAMIE	SDD 15D12	6:00 AM TO 6:00 PM DAILY		
S-44-0039	USH 41	OUTAGAMIE	SDD 15D12	6:00 AM TO 6:00 PM DAILY		
S-44-0041	USH 41	OUTAGAMIE	SDD 15D12	6:00 AM TO 6:00 PM DAILY		
S-44-0042	USH 41	OUTAGAMIE	SDD 15D12	6:00 AM TO 6:00 PM DAILY		
S-44-0043	USH 41	OUTAGAMIE	SDD 15D12	6:00 AM TO 6:00 PM DAILY		
S-49-0011	STH 66	PORTAGE	SEE TRAFFIC CONTROL PLAN	ALL DAY, SATURDAY AND SUNDAY	4:00 AM TO 10:00 PM MONDAY THROUGH FRIDAY	
S-50-0003	STH 70	PRICE	SDD 15D20			
S-59-0003	IH-43	SHEBOYGAN	SDD 15D12			
S-59-0005	IH-43	SHEBOYGAN	SDD 15D12			
S-59-0036	STH 57	SHEBOYGAN	SDD 15D12			
S-59-0038	STH 57	SHEBOYGAN	SDD 15D12			
S-63-0002	USH 51	VILAS	SDD 15D20	ALL DAY, FRIDAY THROUGH SUNDAY	5:00 AM TO 9:00 AM MONDAY THROUGH THURSDAY	3:00 PM to 7:00 PM MONDAY THROUGH THURSDAY
S-68-0002	STH 110	WAUPACA	SDD 15D20			
S-70-0028	USH 41	WINNEBAGO	NONE	7:00 AM TO 9:00 AM DAILY	2:00 PM TO 8:00 PM DAILY	
S-70-0070	USH 41	WINNEBAGO	NONE	2:00 PM TO 6:00 PM DAILY		
S-70-0108	STH 21	WINNEBAGO	SDD 15D12	7:00 AM TO 9:00 AM DAILY	2:00 PM TO 6:00 PM DAILY	
S-70-0116	USH 41	WINNEBAGO	SDD 15D12			
S-70-0129	USH 41	WINNEBAGO	SDD 15D27			
S-70-0130	USH 41	WINNEBAGO	SDD 15D12 and SDD 15D15	7:00 AM TO 10:00 AM DAILY	12:00 PM TO 7:00 PM DAILY	
S-70-0135	STH 45	WINNEBAGO	SDD 15D12 and SDD 15D15			
S-70-0152	USH 41	WINNEBAGO	SDD 15D12			
S-71-0022	STH 54/73	WOOD	SEE TRAFFIC CONTROL PLAN	5:00 AM TO 9:00 AM DAILY	3:00 PM to 7:00 PM DAILY	

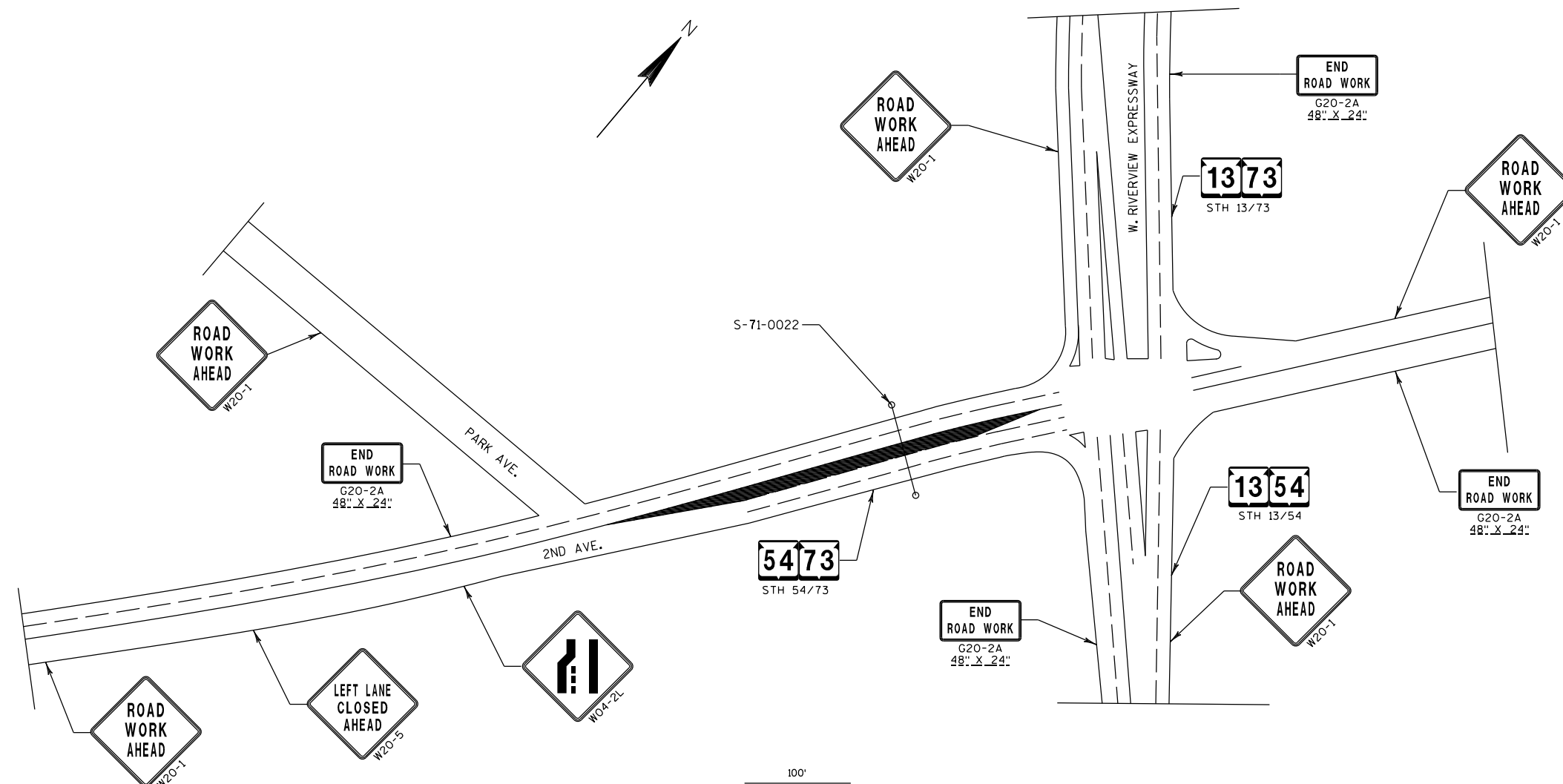


NOTES

1. STATE HIGHWAY 66 (CENTER POINT DR.) WILL BE CLOSED DURING REMOVAL AND INSTALLATION OF TRUSS FOR S-49-0011. UTILIZE LOCAL LAW ENFORCEMENT TO STOP TRAFFIC AND TEMPORARILY CLOSE ALL TRAFFIC UNDER STRUCTURE FOR A MAXIMUM OF 20 MINUTES DURING TRUSS REMOVAL AND REINSTALLATION.
2. SET UP TRAFFIC CONTROL AS SHOWN AND PERFORM ALL PREPARATION WORK AS NECESSARY PRIOR TO CLOSING ROAD FOR TRUSS REMOVAL. PLACE ALL SIGNS ON BOTH SIDES OF A ONE-WAY ROAD.
3. WORK ZONE BUFFER AREA: 155' (DISTANCES SHOWN ARE APPROXIMATIONS)
4. MERGING TAPER: 125' (DISTANCES SHOWN ARE APPROXIMATIONS)
5. SIGN SPACING: 200' (DISTANCES SHOW ARE APPROXIMATIONS)
6. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
7. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE PLACED 10 DAYS PRIOR TO START OF REPAIRS AT LOCATIONS INDICATED ON THE PLAN.
8. PCMS SHALL BE PLACED AS FOLLOWED:
1ST STREET: ON THE LEFT
SHOULDER/PARKING LANE
SOUTH OF PORTAGE ST.
BEFORE THE 1ST DRIVEWAY.

STH 66: ON THE RIGHT
TERRACE 200' UPSTREAM OF
THE ROADWORK AHEAD SIGN.
9. PCMS MESSAGES SHALL READ AS FOLLOWED:
10 DAYS PRIOR:
NIGHTLY/LANE/CLOSURES
MONTH DD-DD/10PM-4AM

NIGHT OF WORK:
NIGHTLY/LANE/CLOSURES
EXPECT/DELAYS/10PM-4AM



NOTES

1. STATE HIGHWAY 54/73 (2ND AVE.) REQUIRES THE LEFT TURN LANE ONTO STH 13/73 (W. RIVERVIEW EXPRESSWAY) TO BE CLOSED DURING INSTALLATION OF NEW SPLICE BOLTS.
2. WORK ZONE BUFFER AREA: 155' (DISTANCES SHOWN ARE APPROXIMATIONS)
3. MERGING TAPER: 125' (DISTANCES SHOWN ARE APPROXIMATIONS)
4. SIGN SPACING: 200' (DISTANCES SHOWN ARE APPROXIMATIONS)
5. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

DATE 17MAR16				E S T I M A T E O F Q U A N T I T I E S		
LINE						1009-30-08
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY	
0010	619.1000	Mobilization	EACH	1.000	1.000	
0020	637.2220	Signs Type II Reflective SH	SF	3.500	3.500	
0030	638.2602	Removing Signs Type II	EACH	1.000	1.000	
0040	643.0100	Traffic Control (project) 01.	1009-30-08	EACH	1.000	1.000
0050	SPV.0060	Special 01. FILL EROSION	EACH	3.000	3.000	
0060	SPV.0060	Special 02. REPLACE RODENT SCREEN	EACH	1.000	1.000	
0070	SPV.0060	Special 03. REPLACE SIGN PANEL CONNECTOR	EACH	42.000	42.000	
0080	SPV.0060	Special 04. SECURE/REPLACE SIGN POST CAP	EACH	8.000	8.000	
0090	SPV.0060	Special 05. REPLACE TYPE II SIGN	EACH	2.000	2.000	
0100	SPV.0060	SUPPORT BRACKET				
	SPV.0060	Special 06. REPLACE END CAP	EACH	2.000	2.000	
0110	SPV.0060	Special 07. TIGHTEN POST TO MASTARM	EACH	1.000	1.000	
		CONNECTION BOLT				
0120	SPV.0060	Special 08. TENSION POST TO TRUSS AND	EACH	87.000	87.000	
		MASTARM CONNECTION BOLTS				
0130	SPV.0060	Special 10. SLOTTED HOLE REPAIR ON SIGN	EACH	9.000	9.000	
		SUPPORT BRACKET				
0140	SPV.0060	Special 11. REPLACE CONDUIT PLUG	EACH	5.000	5.000	
0150	SPV.0060	Special 12. REPLACE SPLICE CONNECTION	EACH	6.000	6.000	
		BOLTS				
0160	SPV.0060	Special 13. REPLACE SIGN CONNECTION	EACH	1.000	1.000	
		HARDWARE				
0170	SPV.0060	Special 14. REPLACE LUMINAIRE ARM	EACH	6.000	6.000	
		CONNECTION BOLTS				
0180	SPV.0060	Special 15. TENSION TRUSS GUSSET	EACH	2.000	2.000	
		CONNECTION BOLT				
0190	SPV.0060	Special 16. TENSION ANCHOR ROD	EACH	14.000	14.000	
0200	SPV.0060	Special 17. REPLACE U-BOLT	EACH	1.000	1.000	
0210	SPV.0060	Special 18. REPLACE SIGN BRIDGE ID	EACH	1.000	1.000	
		PLAQUE				
0220	SPV.0060	Special 20. REMOVE FILL AND REGRADE	EACH	6.000	6.000	
0230	SPV.0060	Special 21. REPAIR FOUNDATION	EACH	1.000	1.000	
0240	SPV.0060	Special 22. SECURE/REPLACE HANDHOLE	EACH	1.000	1.000	
		COVER				
0250	SPV.0060	Special 23. REINSTALL TRUSS (S-49-0011)	EACH	1.000	1.000	
0260	SPV.0060	Special 24. TRAFFIC CONTROL-SINGLE LANE	EACH	85.000	85.000	
		CLOSURE				
0270	SPV.0105	Special 01. ADJUST HANDRAIL	LS	1.000	1.000	

3

STRUCTURE NUMBER	SIGNS TYPE II REFLECTIVE SH	REMOVING SIGNS TYPE II	FILL EROSION	REPLACE RODENT SCREEN	REPLACE SIGN PANEL CONNECTOR	SECURE/ REPLACE SIGN POST CAP	REPLACE TYPE II SIGN SUPPORT BRACKET	REPLACE END CAP	TIGHTEN POST TO MASTARM CONNECTION BOLT	TENSION POST TO TRUSS AND MASTARM CONNECTION BOLTS	SLOTTED HOLE REPAIR ON SIGN SUPPORT BRACKET	REPLACE CONDUIT PLUG	REPLACE SPLICE CONNECTION BOLTS
	637.2220	638.2602	SPV.0060.01	SPV.0060.02	SPV.0060.03	SPV.0060.04	SPV.0060.05	SPV.0060.06	SPV.0060.07	SPV.0060.08	SPV.0060.10	SPV.0060.11	SPV.0060.12
	SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
S-05-0106										6			
S-05-0109				1									
S-05-0116							1						
S-05-0118													
S-05-0119						1							
S-05-0214								1					
S-05-0278													
S-20-0008					1								
S-20-0203											2		
S-37-0051					3								
S-37-0052					4								
S-37-0056			1		2								
S-37-0057					1								
S-37-0060			1		3								
S-37-0076					5	1							
S-37-0079					1								
S-37-0082					4	1							
S-43-0008												3	
S-43-0015													
S-44-0007										32			
S-44-0013										32			
S-44-0014					1								
S-44-0016					1								
S-44-0017	3.5	1							1				
S-44-0037					1								
S-44-0038					1								
S-44-0039					1								
S-44-0041													
S-44-0042													
S-44-0043													
S-49-0011						2							
S-50-0003						1		1					
S-59-0003					1								
S-59-0005					1								
S-59-0036													
S-59-0038													
S-63-0002						1							
S-68-0002						1							
S-70-0028			1										
S-70-0070					1								
S-70-0108							1			4			
S-70-0116											5		
S-70-0129										1		1	
S-70-0130										2		1	
S-70-0135											2		
S-70-0152													
S-71-0022													6
UNDISTRIBUTED					10					10			
TOTAL QUANTITY	3.5	1	3	1	42	8	2	2	1	87	9	5	6

3

3

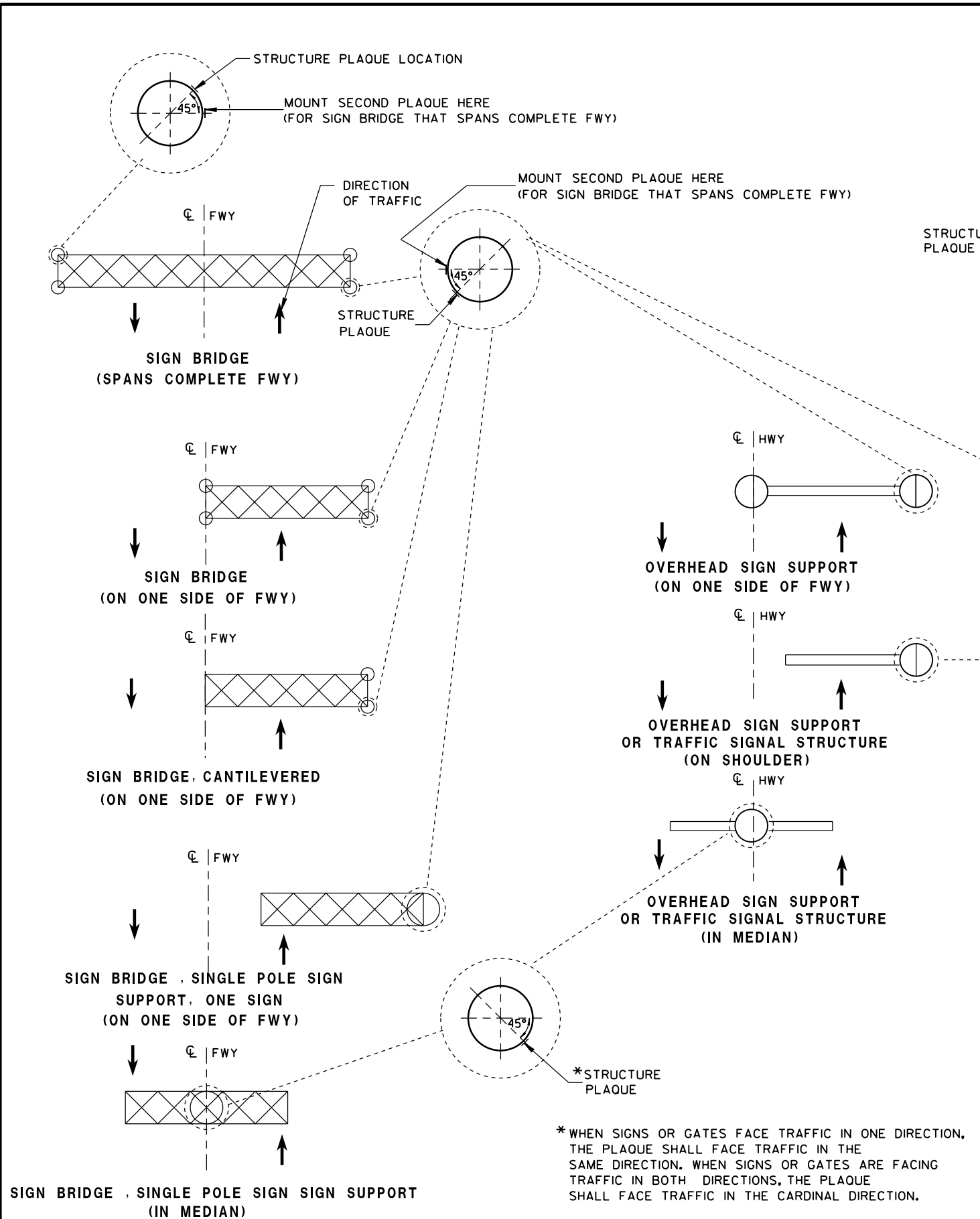
STRUCTURE NUMBER	REPLACE SIGN CONNECTION HARDWARE	REPLACE LUMINAIRE ARM CONNECTION BOLTS	TENSION TRUSS GUSSET CONNECTION BOLT	TENSION ANCHOR ROD	REPLACE U-BOLT	REPLACE SIGN BRIDGE ID PLAQUE	REMOVE FILL AND REGRADE	REPAIR FOUNDATION	SECURE/ REPLACE HANDHOLE COVER	REINSTALL TRUSS (S-49-0011)	TRAFFIC CONTROL - SINGLE LANE CLOSURE	ADJUST HANDRAIL
	SPV.0060.13	SPV.0060.14	SPV.0060.15	SPV.0060.16	SPV.0060.17	SPV.0060.18	SPV.0060.20	SPV.0060.21	SPV.0060.22	SPV.0060.23	SPV.0060.24	SPV.0105.01
	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LUMP SUM
S-05-0106											1	
S-05-0109												
S-05-0116												
S-05-0118							1				1	
S-05-0119											1	
S-05-0214											1	
S-05-0278				6							1	
S-20-0008											1	
S-20-0203											1	
S-37-0051											3	
S-37-0052											3	
S-37-0056											2	
S-37-0057											1	
S-37-0060											2	
S-37-0076												
S-37-0079											1	
S-37-0082												
S-43-0008											1	
S-43-0015									1			
S-44-0007												
S-44-0013											1	
S-44-0014				8	1			1			1	
S-44-0016											1	
S-44-0017											1	
S-44-0037											1	
S-44-0038											1	
S-44-0039											1	
S-44-0041							2				2	
S-44-0042							2				2	
S-44-0043	1										1	
S-49-0011										1		
S-50-0003											1	
S-59-0003											1	
S-59-0005											1	
S-59-0036		3									1	
S-59-0038		3									1	
S-63-0002											1	
S-68-0002											1	
S-70-0028												
S-70-0070												
S-70-0108							1				1	
S-70-0116											3	
S-70-0129												
S-70-0130			2			1					1	
S-70-0135											1	
S-70-0152											1	1
S-71-0022												
UNDISTRIBUTED											5	
TOTAL QUANTITY	1	6	2	14	1	1	6	1	1	1	51	1

STRUCTURE NUMBER	ESTIMATED % OF 643.0100 - TRAFFIC CONTROL (PROJECT)
S-49-0011	12%
S-71-0022	8%
REMAINDER OF PROJECT	80%
TOTAL	100%

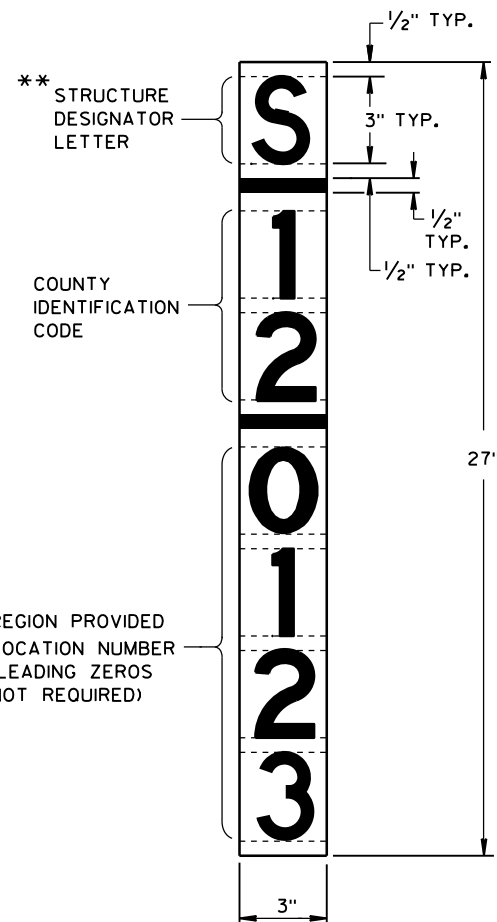
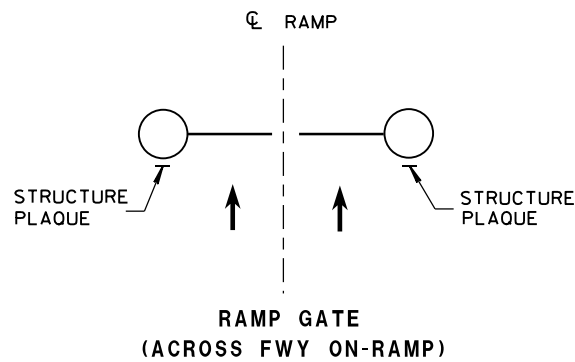
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Standard Detail Drawing List

12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
15D03-02	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M. P. H. WITH BARRIER
15D12-05A	TRAFFIC CONTROL, LANE CLOSURE
15D12-05B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D14-03	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-03	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-03	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-02	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D27-02	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D32-04	TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION
15D37-01	TRAFFIC CONTROL, 2-LANE ROUNDABOUT
15D38-01B	ATTACHMENT OF SIGNS TO POSTS



LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD
SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL
STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN
SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS;
FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

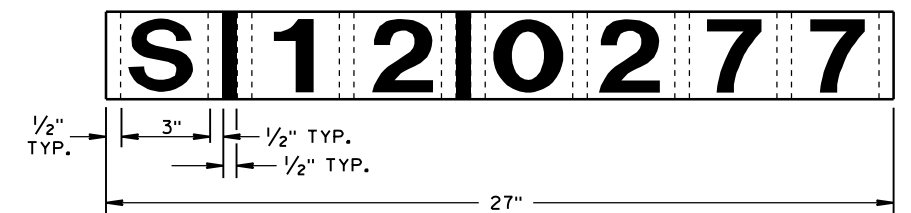
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, 1/2" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE,
STRUCTURE MOUNTED

** LETTER "G" UTILIZED FOR RAMP GATES.
LETTER "S" UTILIZED FOR SIGN BRIDGES,
OVERHEAD SIGN SUPPORTS, AND TRAFFIC
SIGNALS.

STRUCTURE IDENTIFICATION PLAQUES,
RAMP GATES, SIGN BRIDGES, OVERHEAD
SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING
- CONCRETE BARRIER TEMPORARY PRECAST
- DIRECTION OF TRAFFIC
- WORK AREA



INSTALL ON EACH APPROACH AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY, OR AS DIRECTED BY THE ENGINEER. WIDTH ON SIGN TO BE APPROX. 1 FOOT LESS THAN AVAILABLE WIDTH (OMIT IF AVAILABLE WIDTH IS MORE THAN 16 FEET).



LOCATED 500 FEET IN ADVANCE OF R2-1 SIGN AND 500 FEET BEYOND THE "ROAD WORK 1 MILE" SIGN.



R2-1 48"x60" (BLACK AND WHITE)

IF THE REGULATORY SPEED HAS BEEN REDUCED, 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 RESUME SPEED LIMIT SIGN A MINIMUM OF 200 FEET (500 FEET DESIRABLE) AFTER END ROAD WORK SIGNS.

GENERAL NOTES

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

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 DESIRABLE) CLEARANCE TO EXISTING SIGNS.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

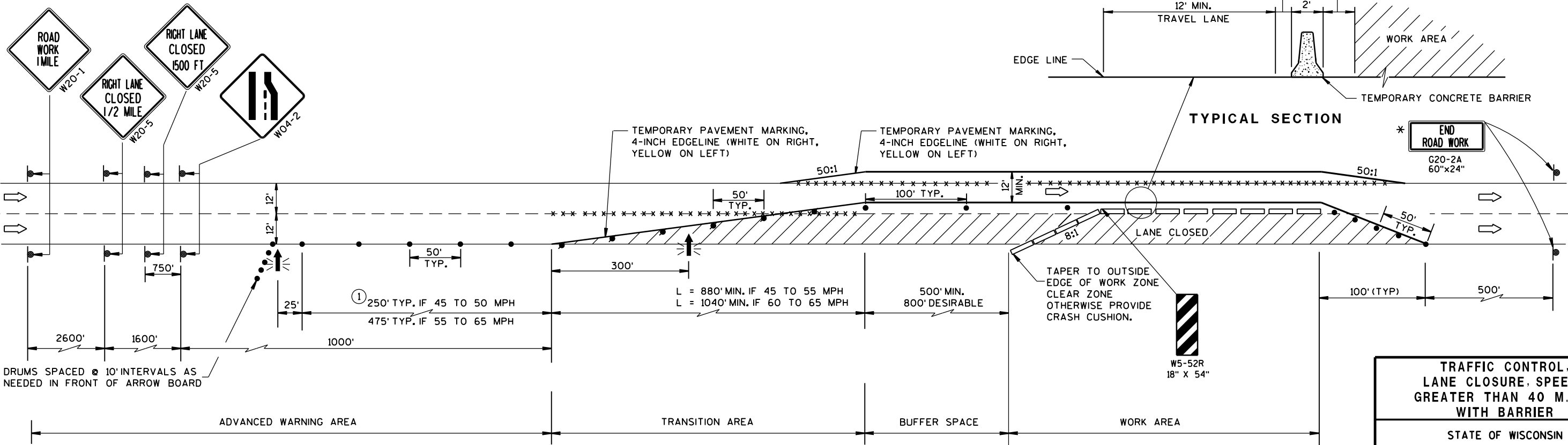
- 1. CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUM TAPER.

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 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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 OR INTERSECTION. THE LANE CLOSURE 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.



TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/2013	/S/ Travis Feltes
DATE	STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

LEGEND

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

GENERAL NOTES

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

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

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

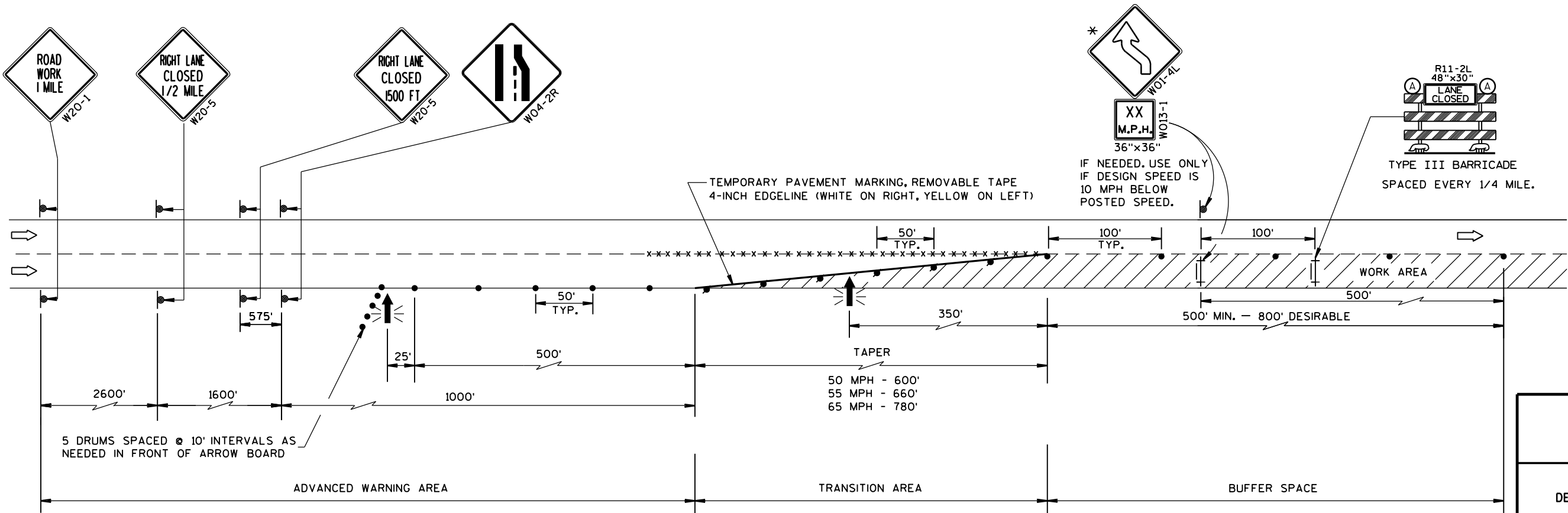
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

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

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

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED Feb. 2015 DATE	/S/ Travis Fettes STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

LEGEND

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

GENERAL NOTES

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

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

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

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

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

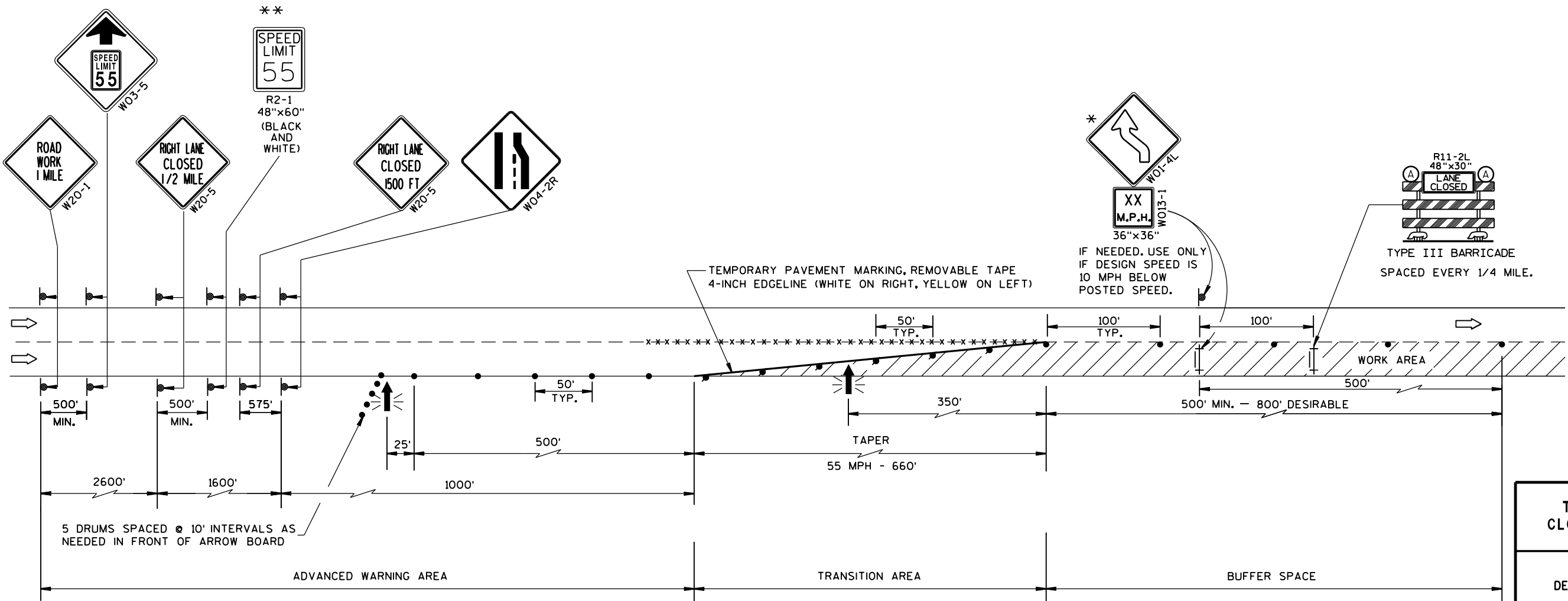
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

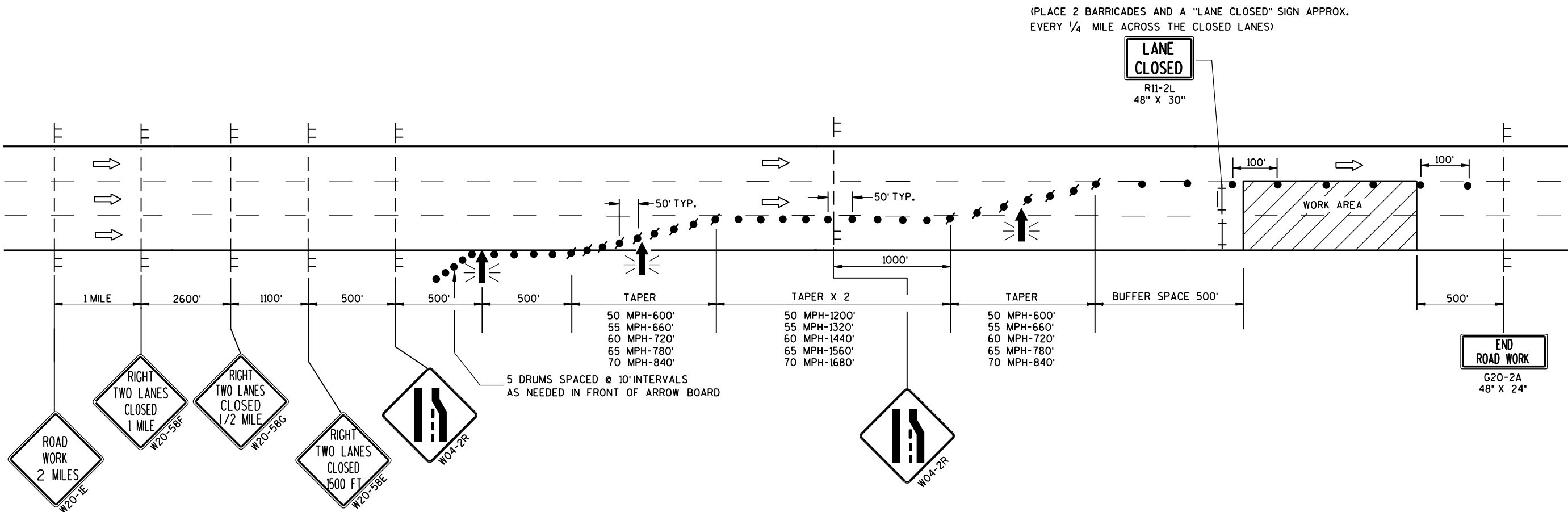
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN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

* THE LEFT REVERSE CURVE SIGN (WO1-4L) 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.



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED Feb. 2015 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN
FHWA	



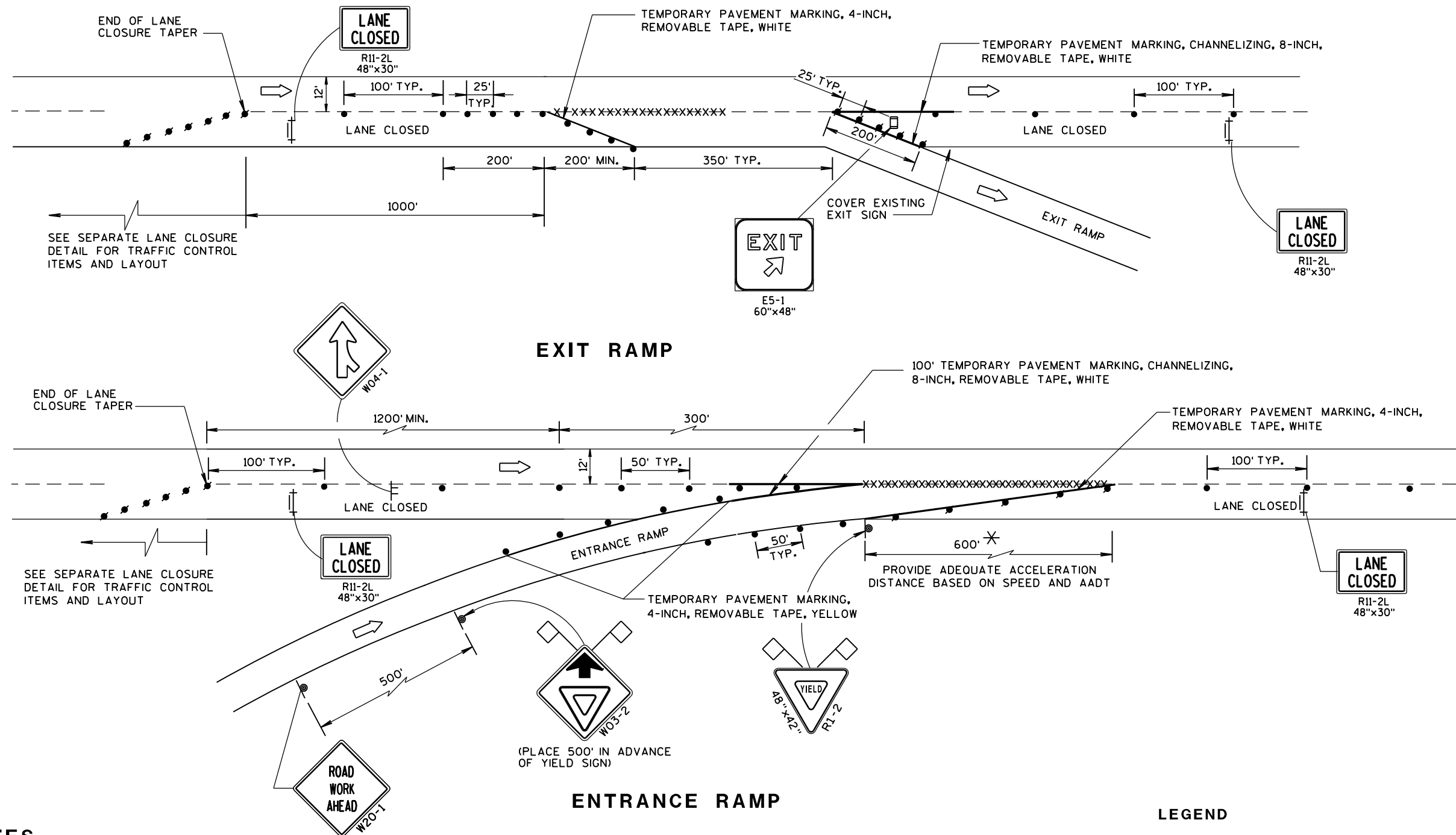
LEGEND

- 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.
- W20-1E AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.
- CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.
- WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.
- BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.
- CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.
- WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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



GENERAL NOTES

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

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

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

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

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

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

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

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

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

TRAFFIC CONTROL,
EXIT AND ENTRANCE RAMP
WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015
DATE

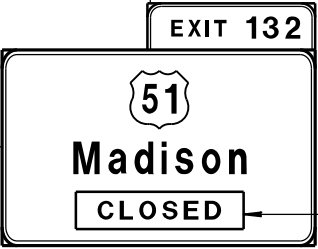
/S/ Peter Amokobe Atepe
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

FHWA



G20-60
108"x24"

OR



G20-60
108"x24"

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



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

G20-61
120"x30"

GENERAL NOTES

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

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

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

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

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

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

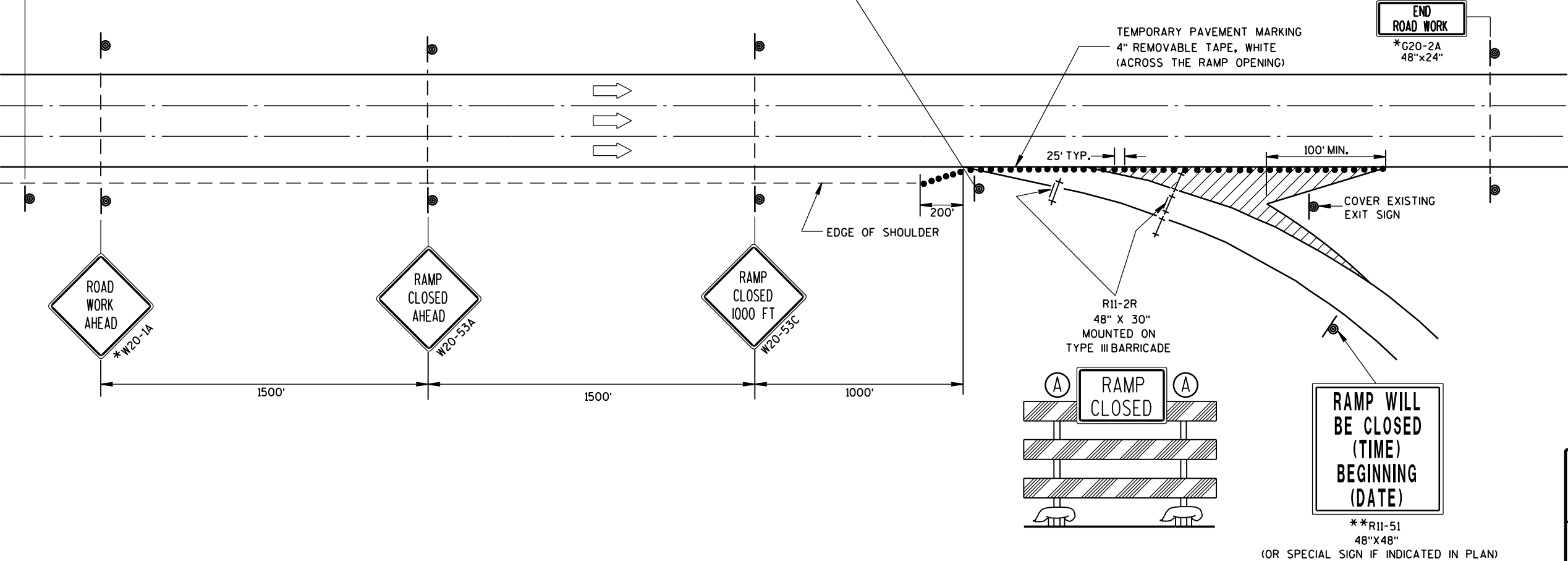
PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

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

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

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



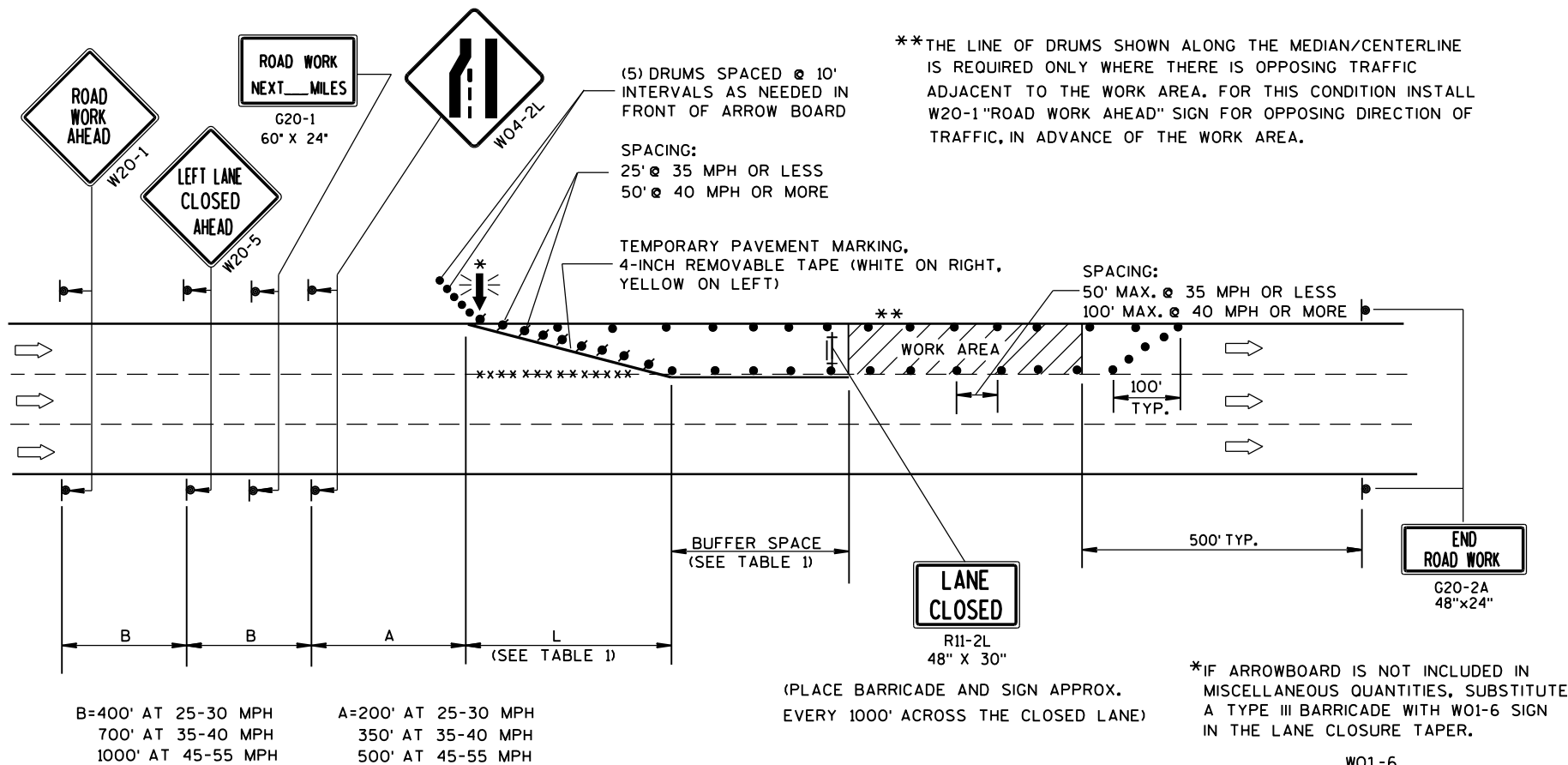
LEGEND

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

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



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.

TABLE 1
TAPER AND BUFFER SPACE
FOR 12' LANE WIDTH

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

FOR LANE WIDTH OTHER THAN 12':

L = WS AT 45 MPH OR GREATER

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

L = TAPER LENGTH IN FEET

S = NON-CONSTRUCTION SPEED LIMIT (MPH)

W = WIDTH OF LANE CLOSURE

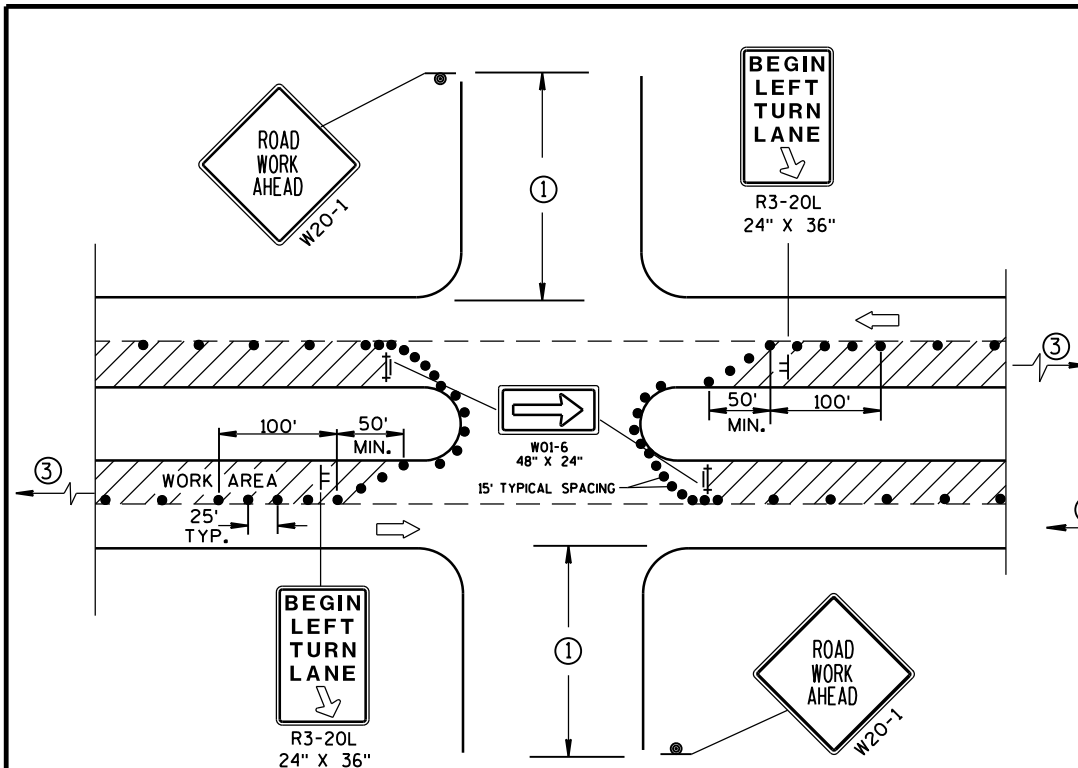
LEGEND

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

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

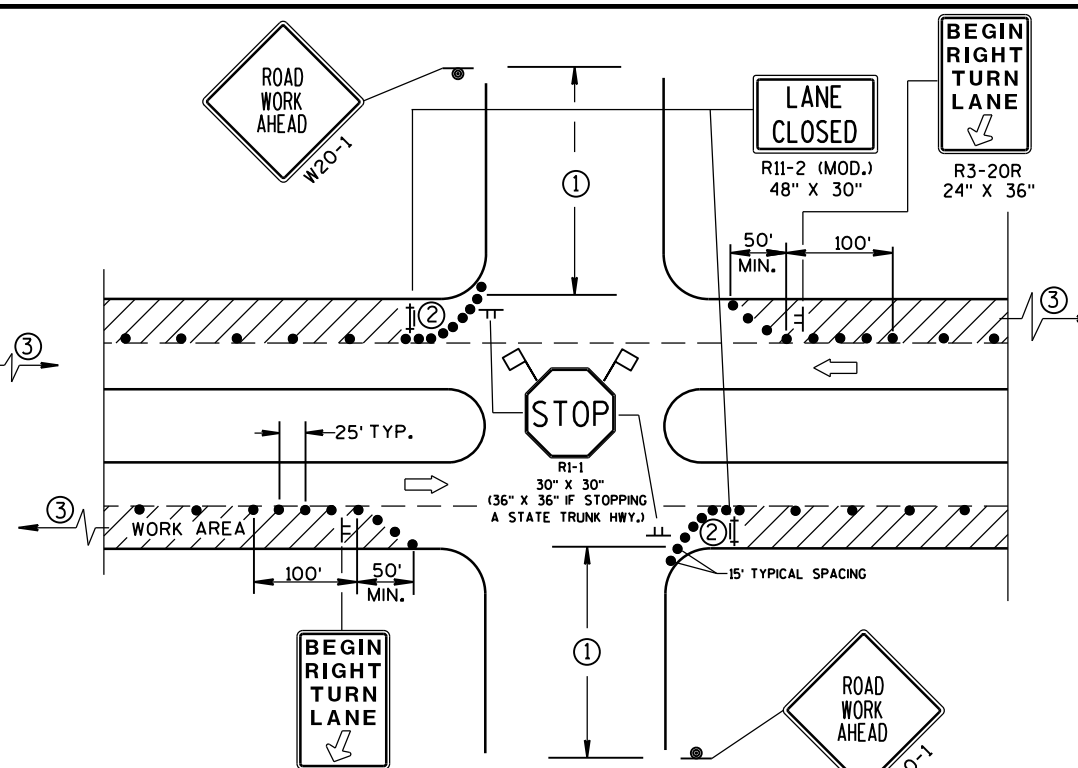
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Feb. 2015 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA



DETAIL A
FOR LEFT LANE CLOSURE AT
INTERSECTION OR MEDIAN OPENING

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



DETAIL B
FOR RIGHT LANE CLOSURE
AT INTERSECTION

GENERAL NOTES

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

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

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

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

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

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

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

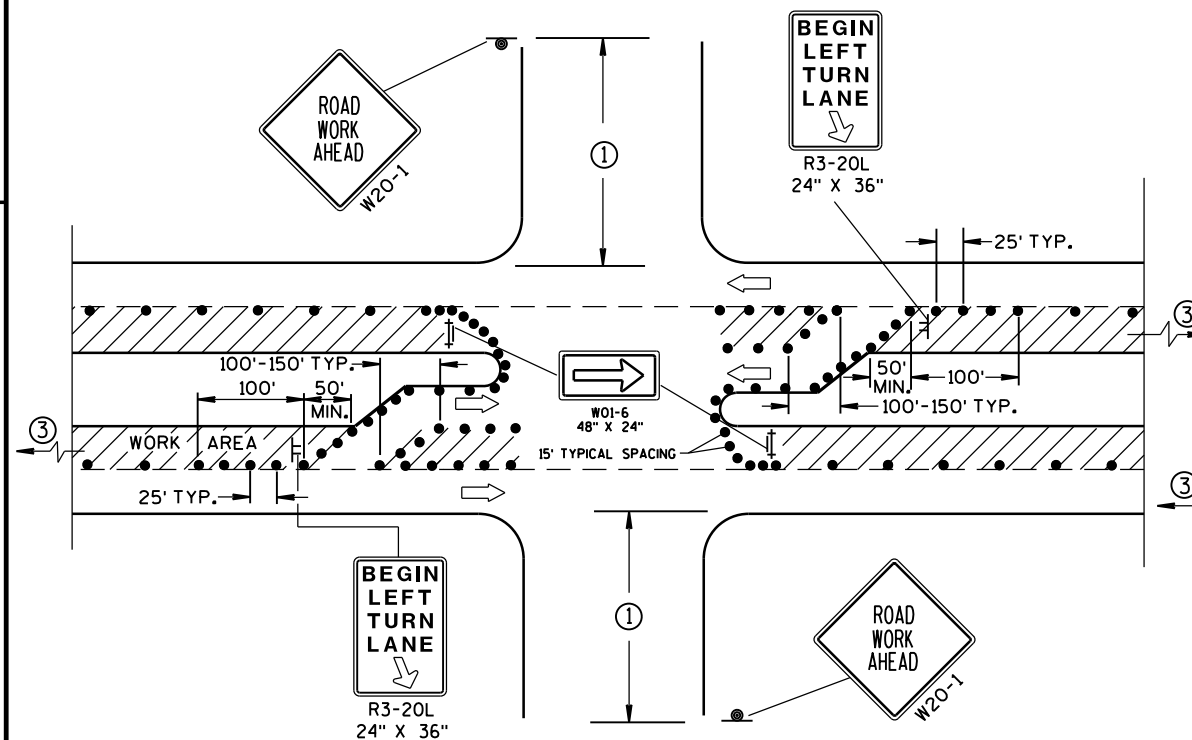
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

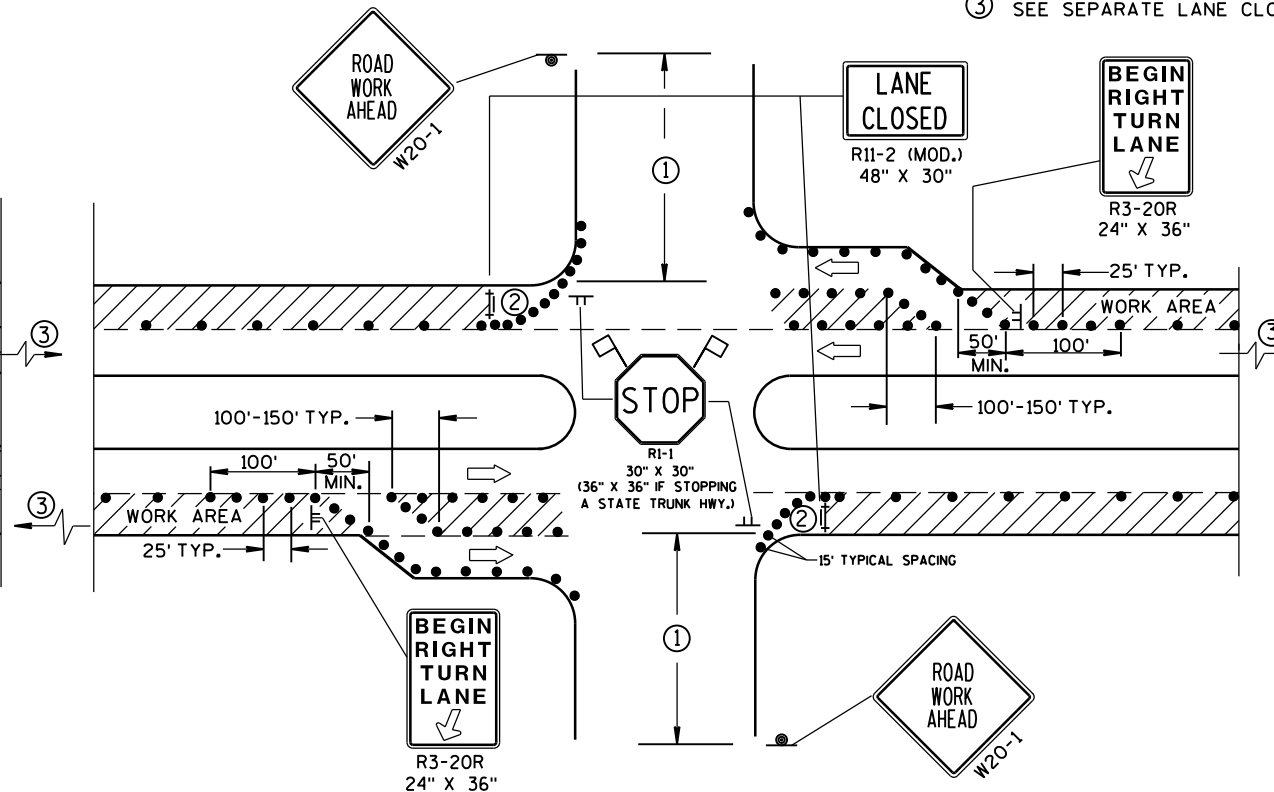
- ① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35-40 MPH.
200' IF 25-30 MPH.
- ② ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.
- ③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND

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



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



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

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Nov. 2014 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

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.

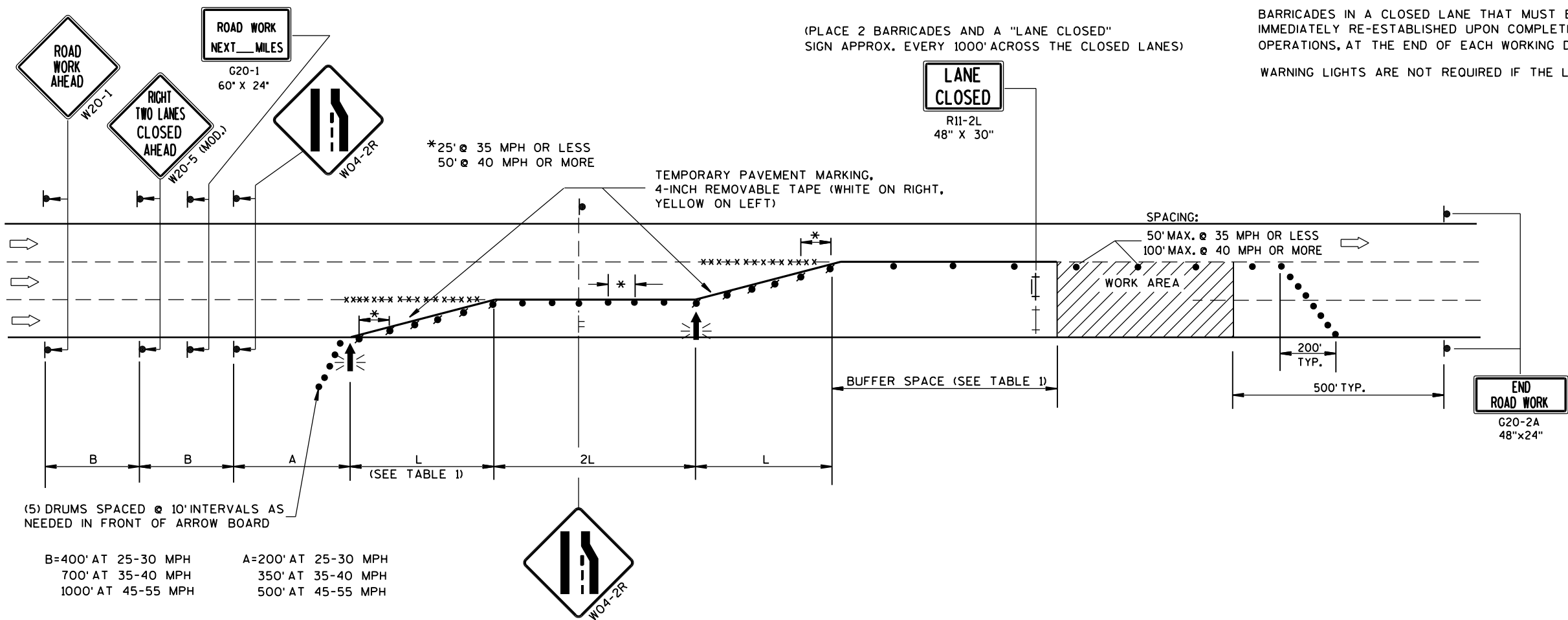
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

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.

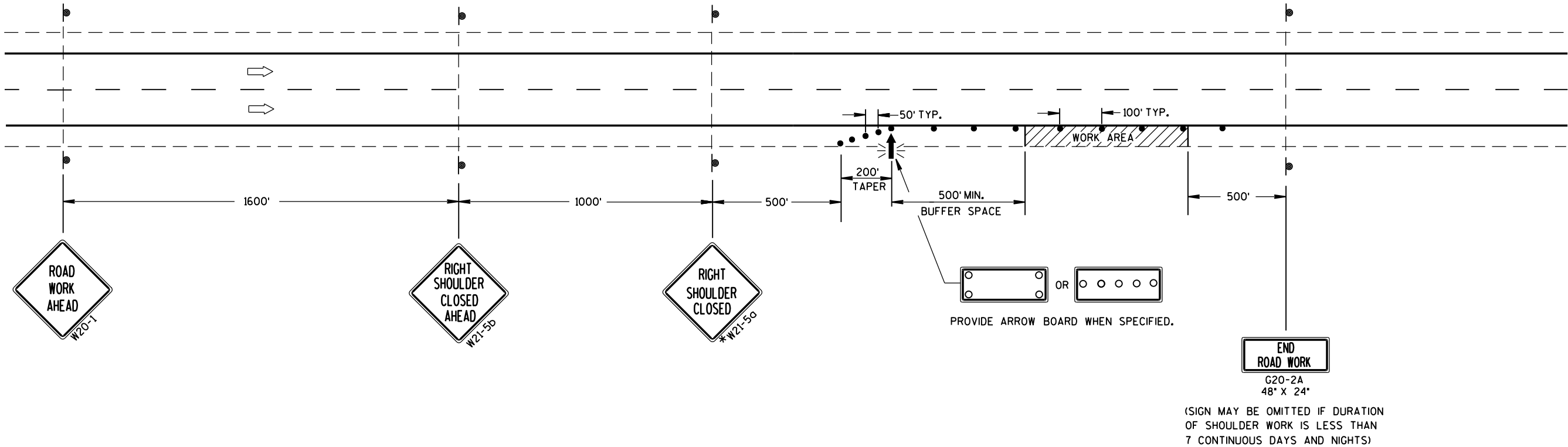
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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 /S/ Travis Feltz
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

GENERAL NOTES

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

ALL SIGNS ARE 48" X 48" 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 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.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

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

TABLE A

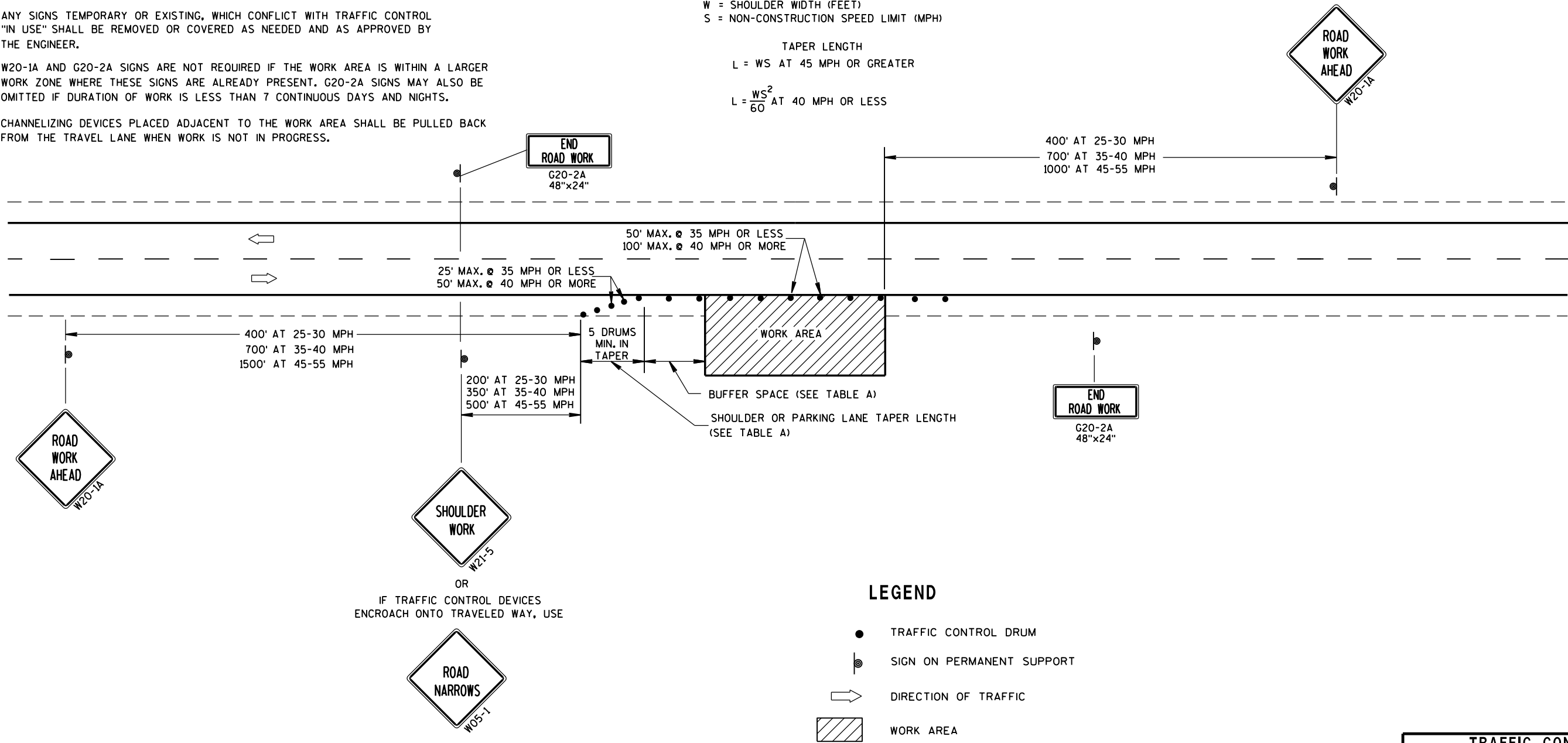
SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S \ W	4	6	8	10	
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH
L = WS AT 45 MPH OR GREATER

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

SHOULDER TAPER LENGTH = $\frac{1}{3}L$



LEGEND

- TRAFFIC CONTROL DRUM
- ⦿ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ▨ WORK AREA

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED July 14, 2015 DATE	/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA	

LEGEND

- SIGN ON PERMANENT SUPPORT
- REMOVING PAVEMENT MARKING
- TYPE III BARRICADE WITH ATTACHED SIGN
- CONCRETE BARRIER TEMPORARY PRECAST
- FLAGS, 16" x 16" MIN., (ORANGE)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- ASPHALTIC PAVEMENT WIDENING
- DIRECTION OF TRAFFIC

GENERAL NOTES

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

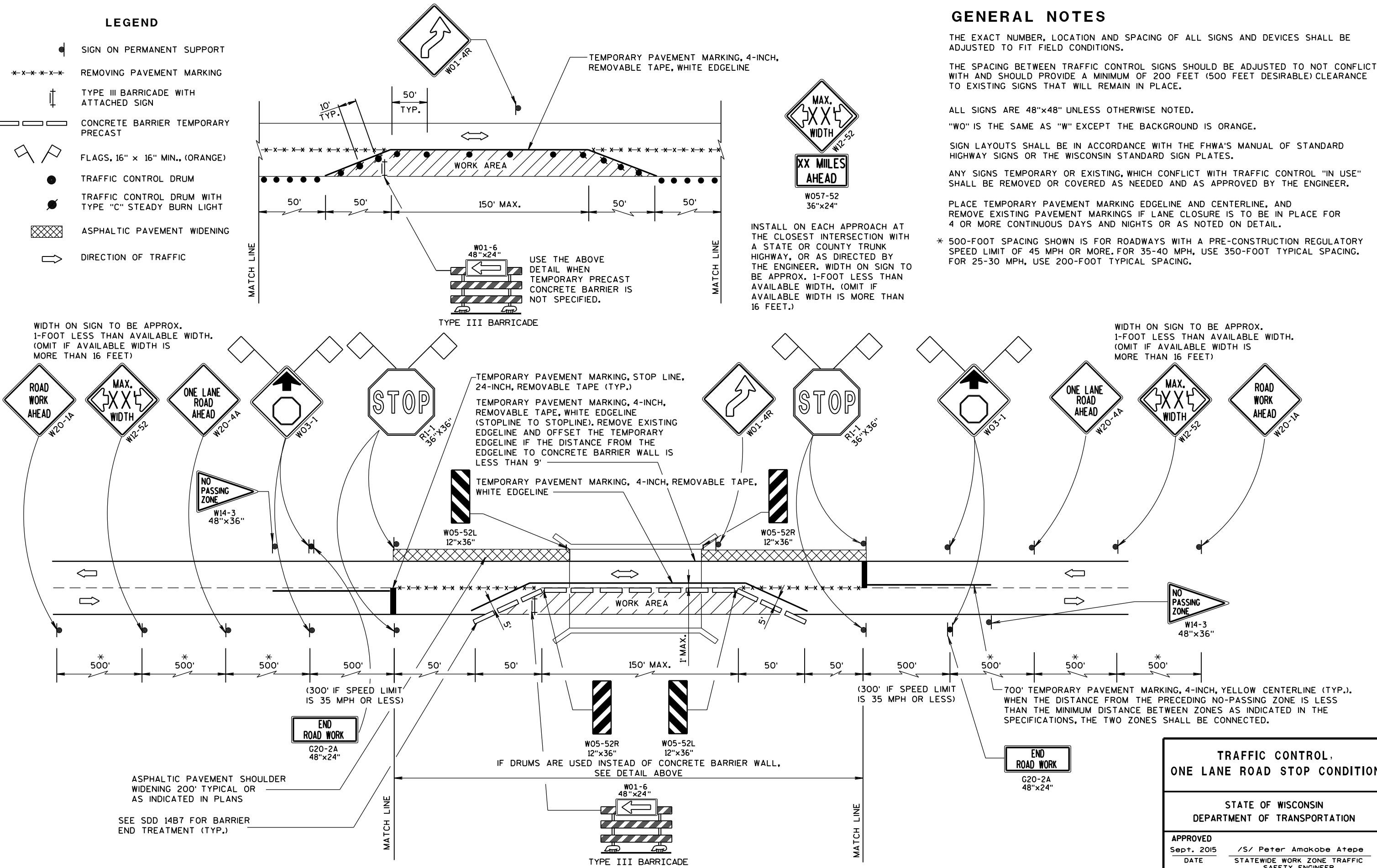
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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

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 EDGELINE AND CENTERLINE, AND REMOVE EXISTING PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS OR AS NOTED ON DETAIL.

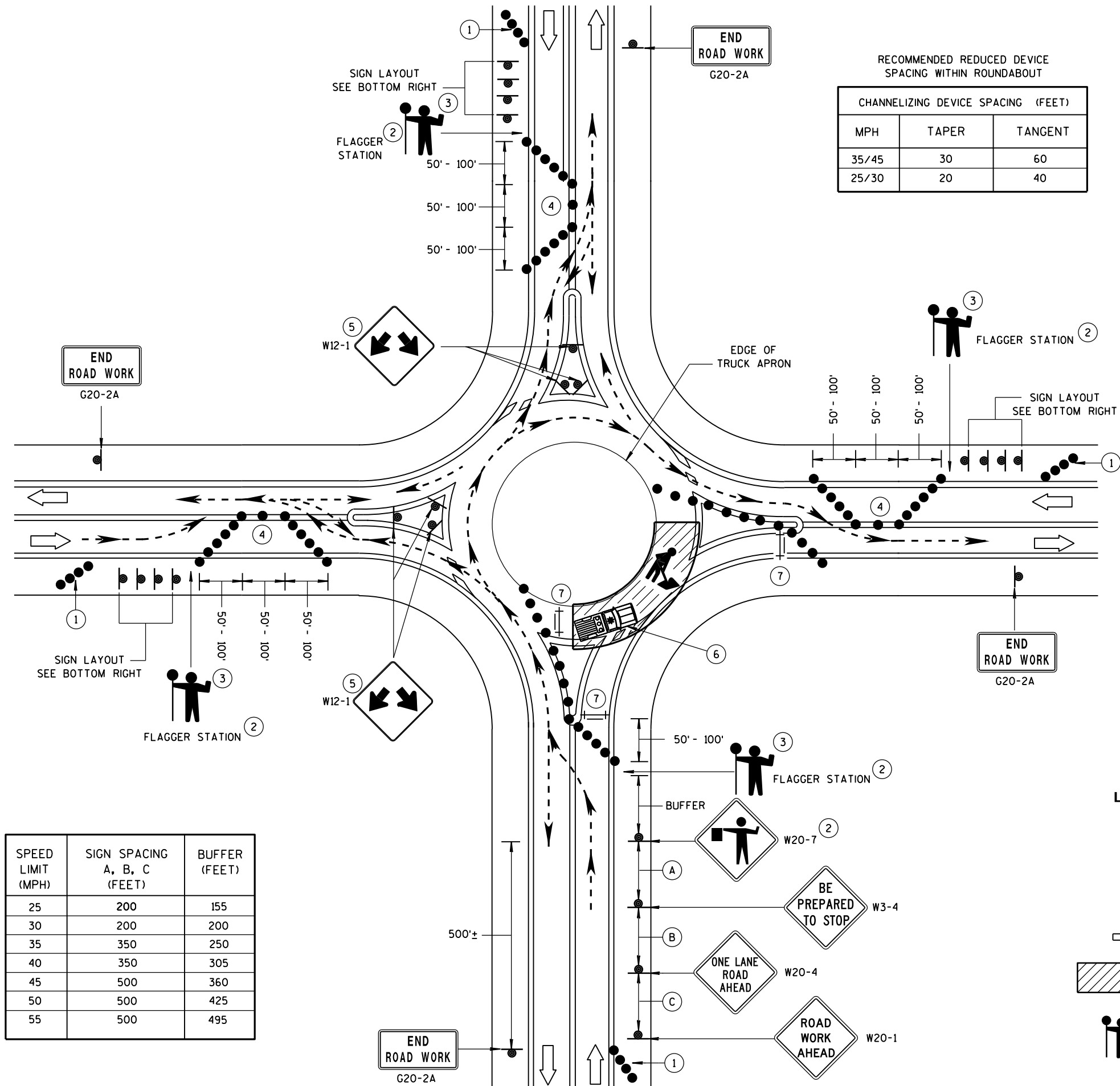
* 500-FOOT SPACING SHOWN IS FOR ROADWAYS WITH A PRE-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350-FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200-FOOT TYPICAL SPACING.



TRAFFIC CONTROL,
ONE LANE ROAD STOP CONDITION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



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

END
ROAD WORK
G20-2A

RECOMMENDED REDUCED DEVICE
SPACING WITHIN ROUNDABOUT

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

GENERAL NOTES

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

REMOVE OR COVER CONFLICTING SIGNS.

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

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

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

RADIO COMMUNICATION SHALL BE USED BY ALL FLAGGERS.

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

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

LEGEND

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

TRAFFIC CONTROL, 2-LANE ROUNDABOUT	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 3-2014 DATE	/S/ Travis Feltz STATE TRAFFIC ENGINEER OF DESIGN
FHWA	



NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

- A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
- B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

- WOOD POSTS (4" x 4" or 4" x 6")
- LAG SCREWS - 3/8" X 3"
 - MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

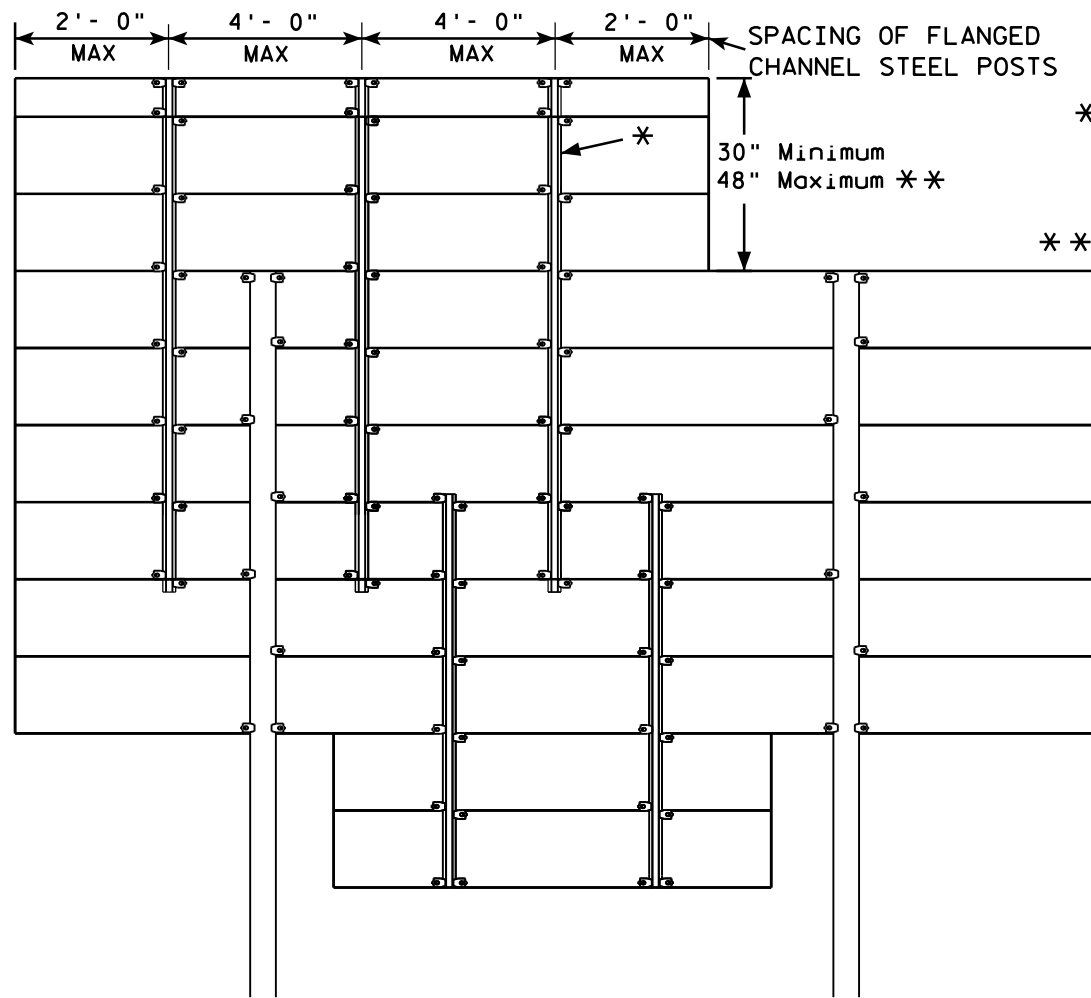
- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS
 - RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

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

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

ATTACHMENT OF SIGNS TO POSTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED Feb. 2015 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER OF DESIGN FHWA

GROUND MOUNTED SIGN

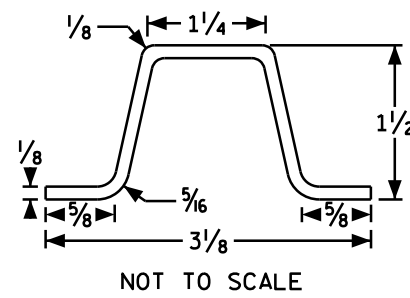


* = 2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

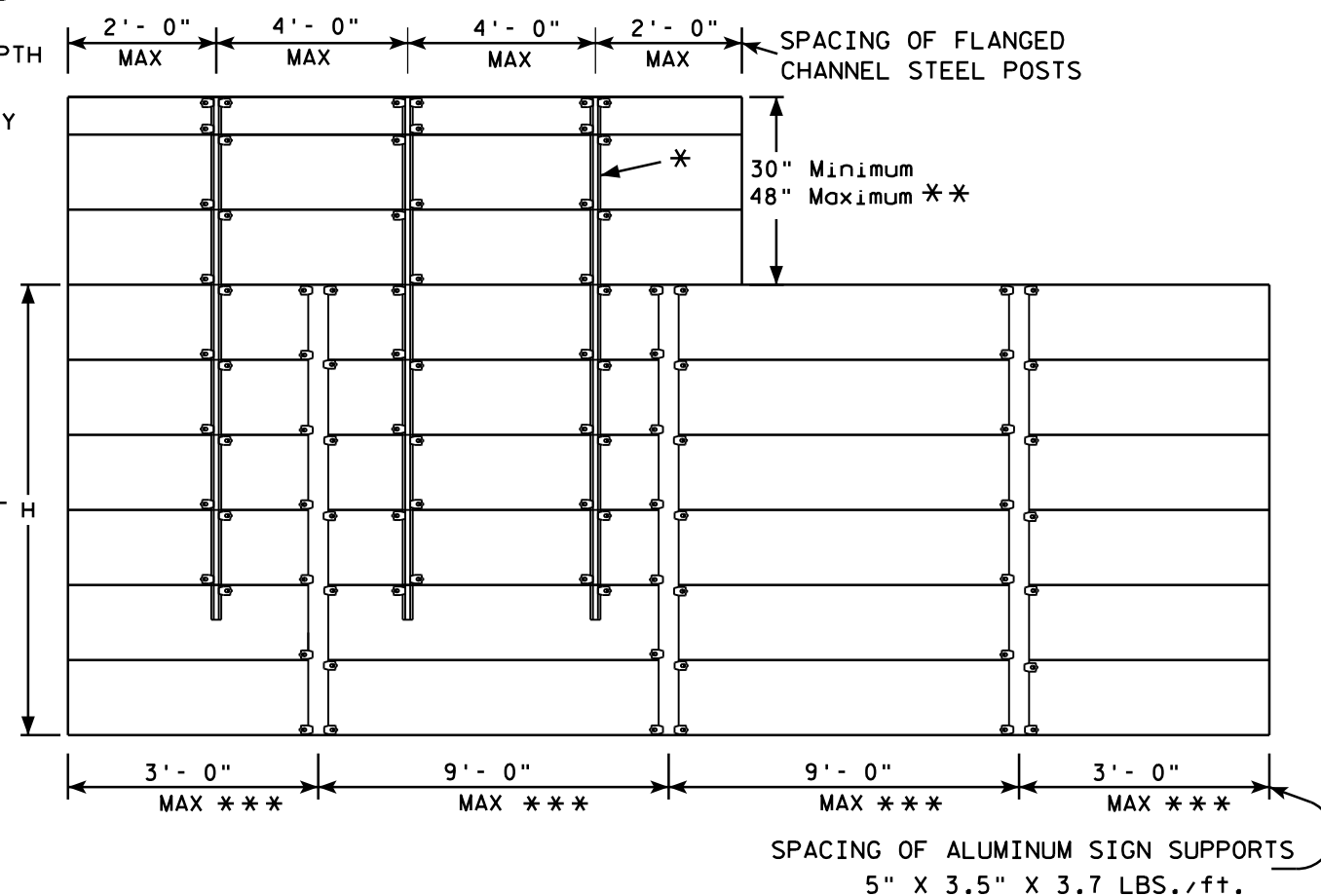
** = FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

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

FLANGE CHANNEL DETAIL



SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

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

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

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

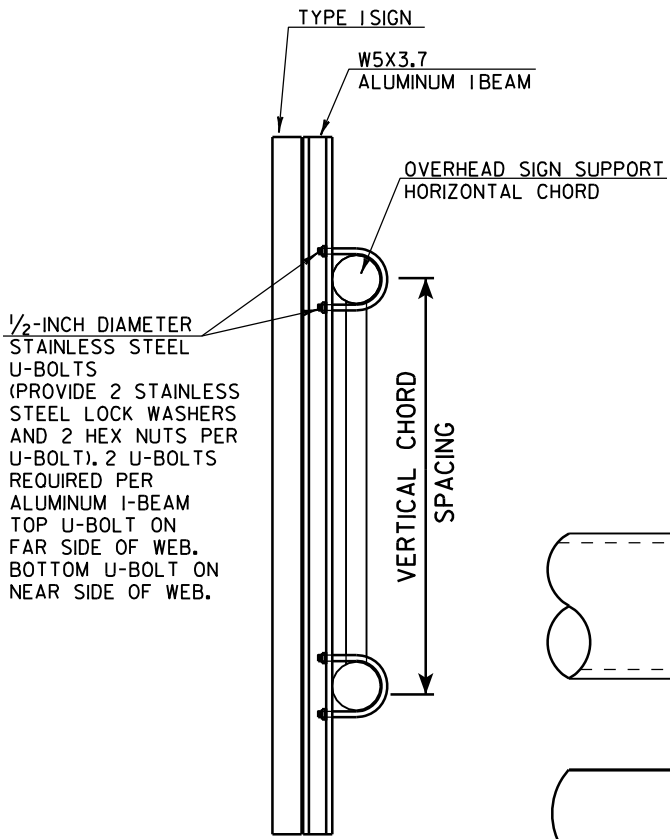
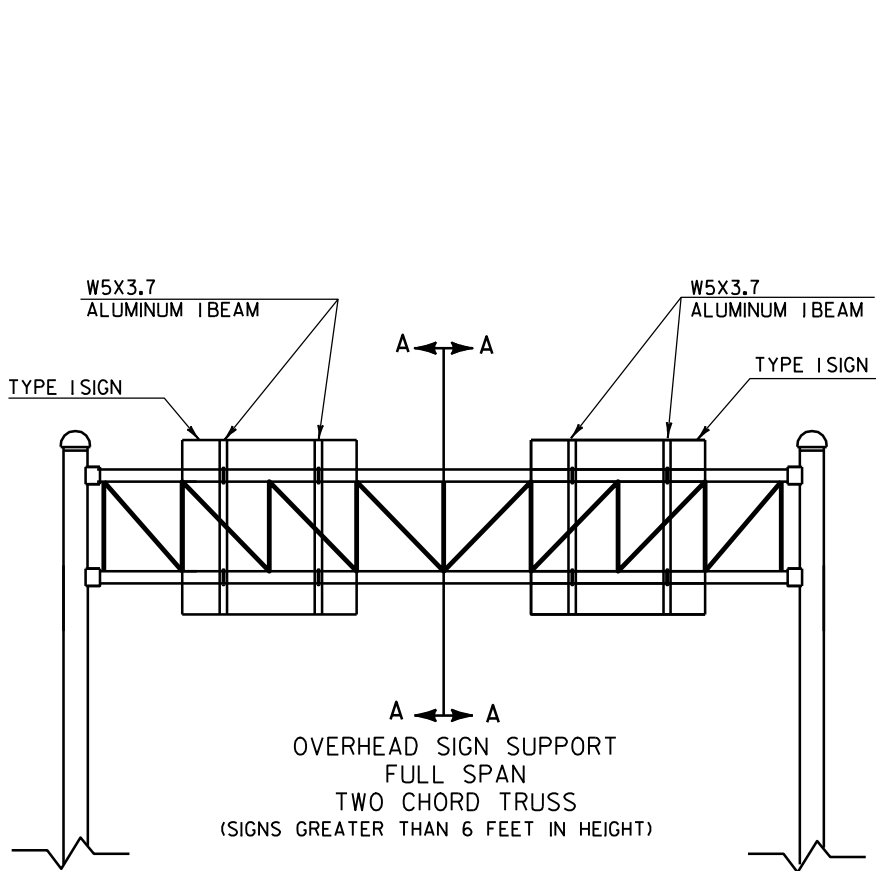
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

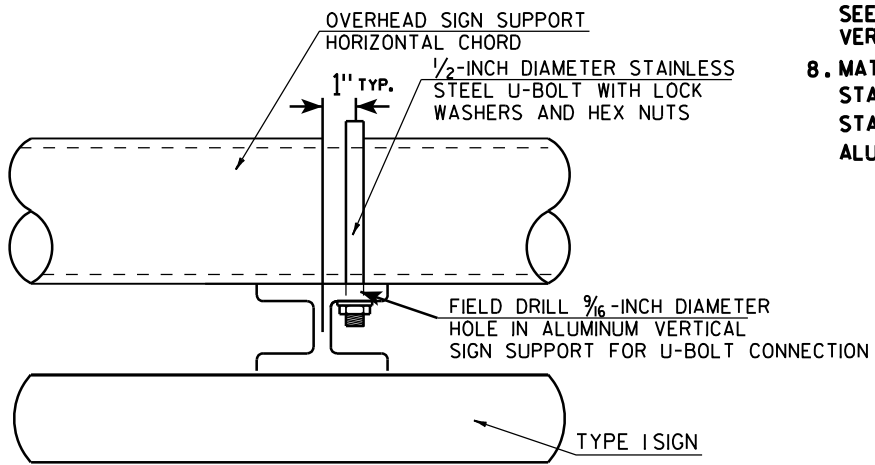
DATE 12/05/13 PLATE NO. A4-6.12

GENERAL NOTES

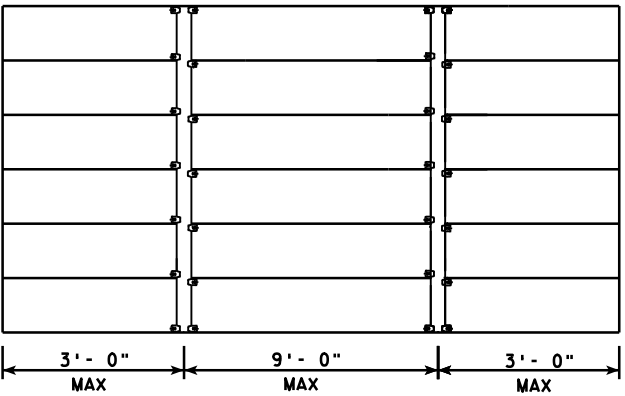
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE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



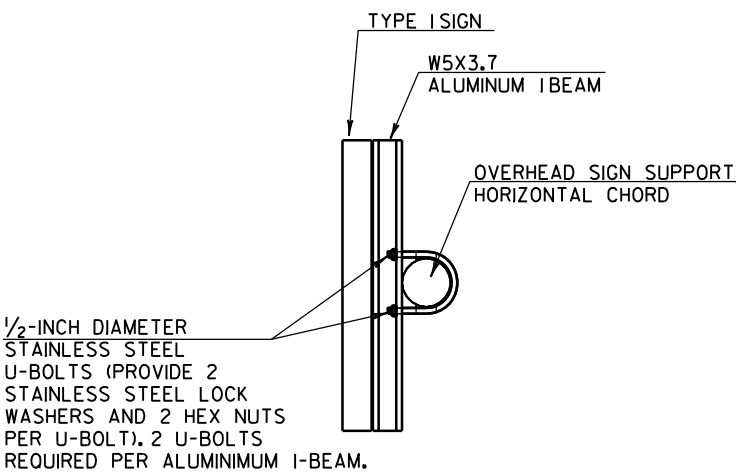
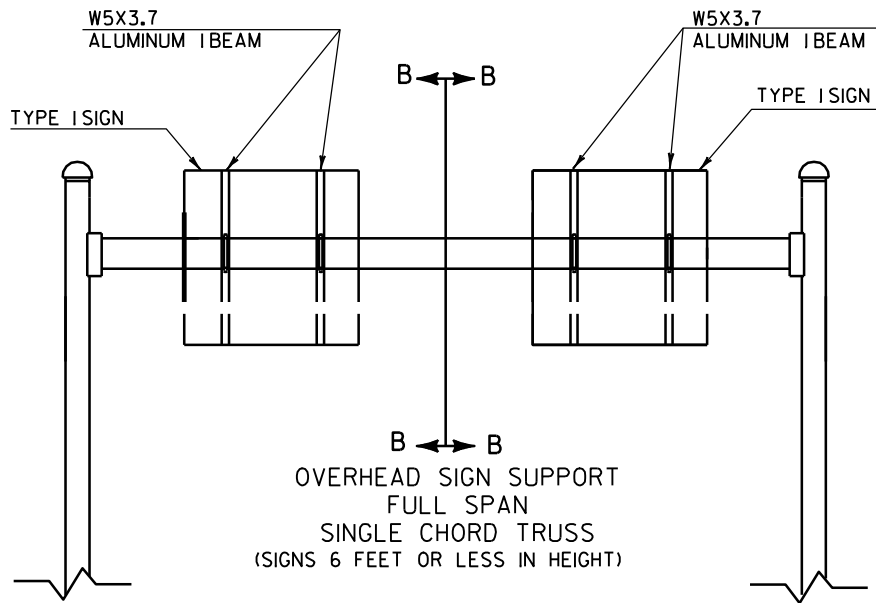
CUT SECTION A-A



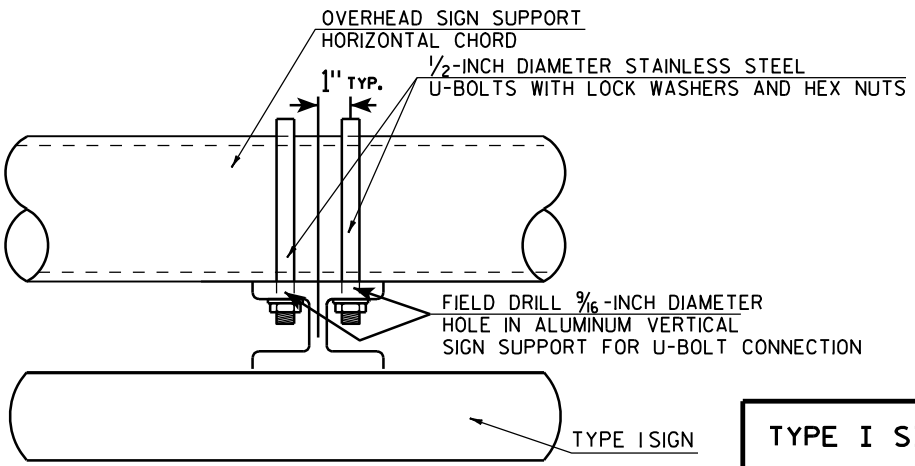
TYPICAL SIGN CONNECTION FOR TWO CHORD TRUSS
PLAN VIEW



SPACING OF W5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



CUT SECTION B-B



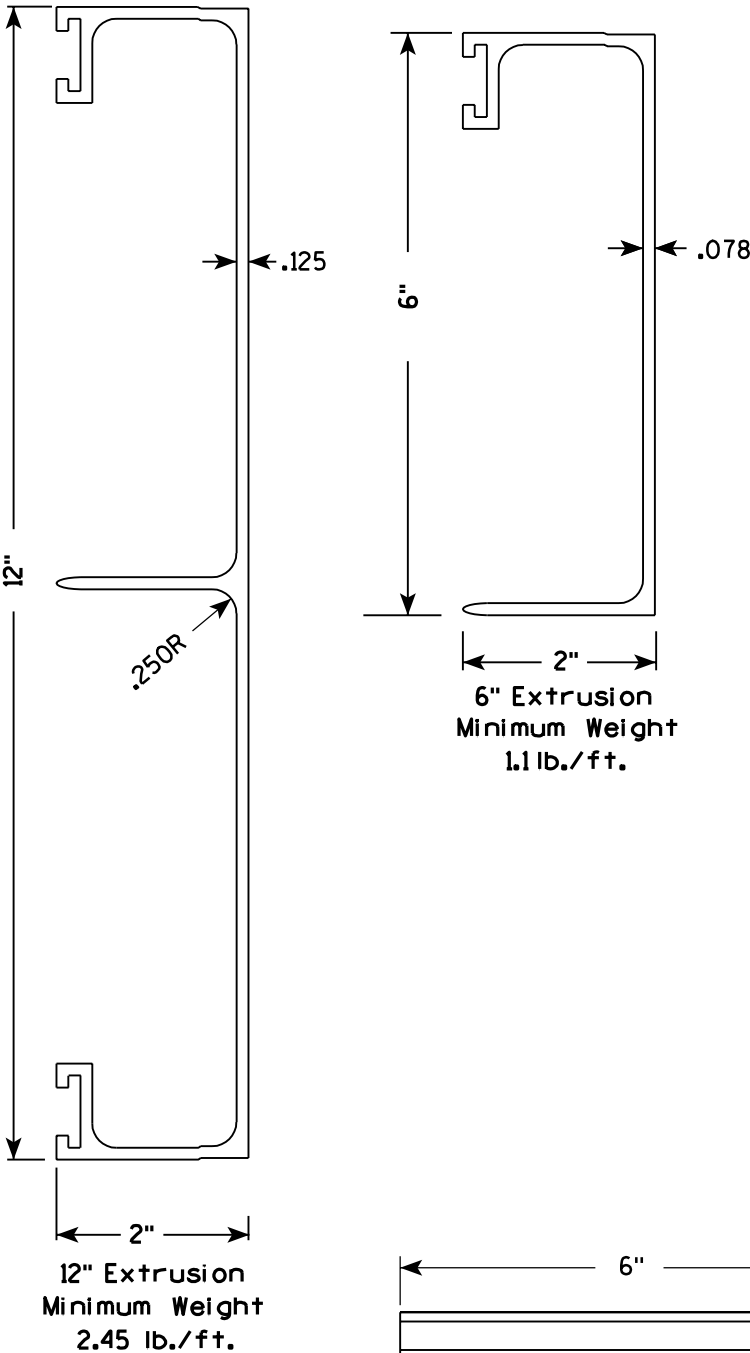
TYPICAL SIGN CONNECTION FOR SINGLE CHORD TRUSS
PLAN VIEW

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

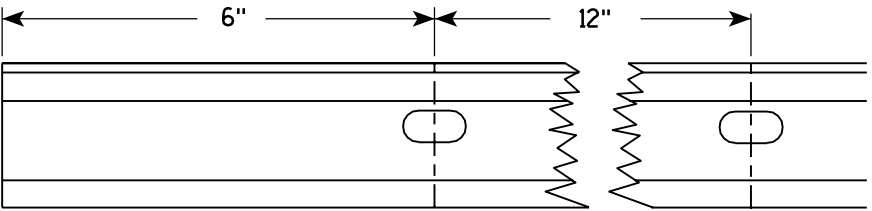
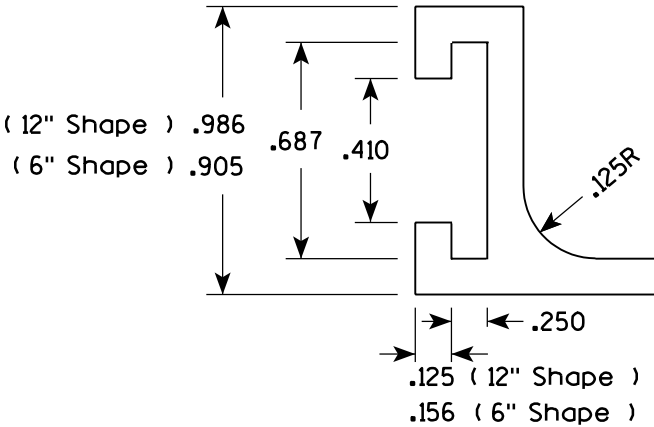
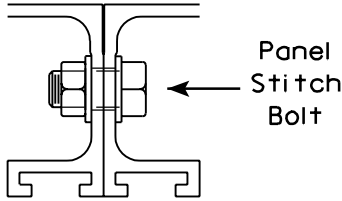
Extruded Shape

Hardware

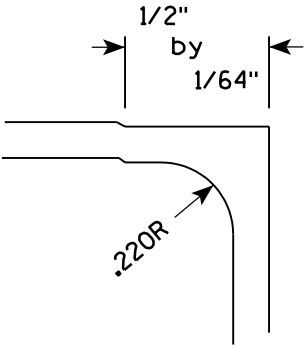


STITCH BOLT, WASHER & NUT

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

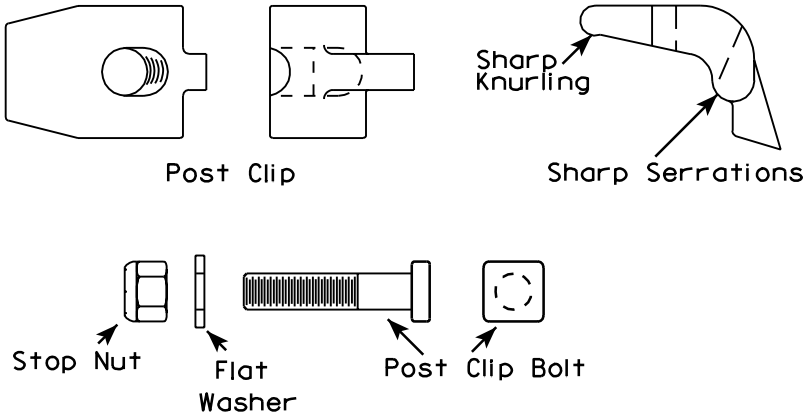


Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.



POST CLIP, POST CLIP BOLT, WASHER & NUT

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



NOTES

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

ALUMINUM EXTRUSIONS FOR
TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

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

PROJECT NO:

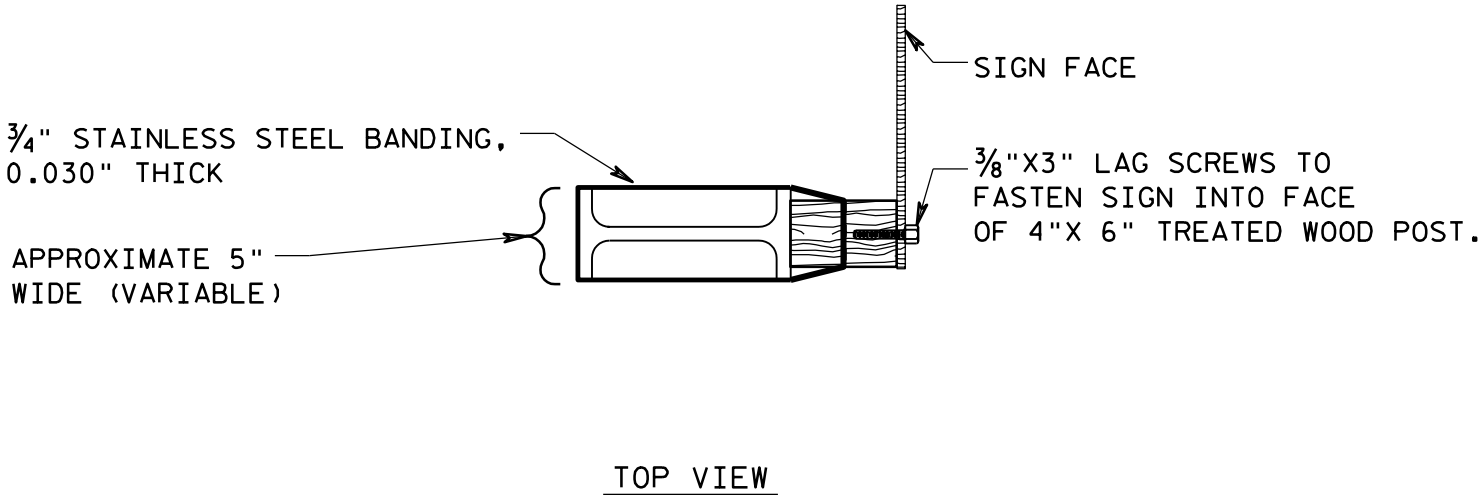
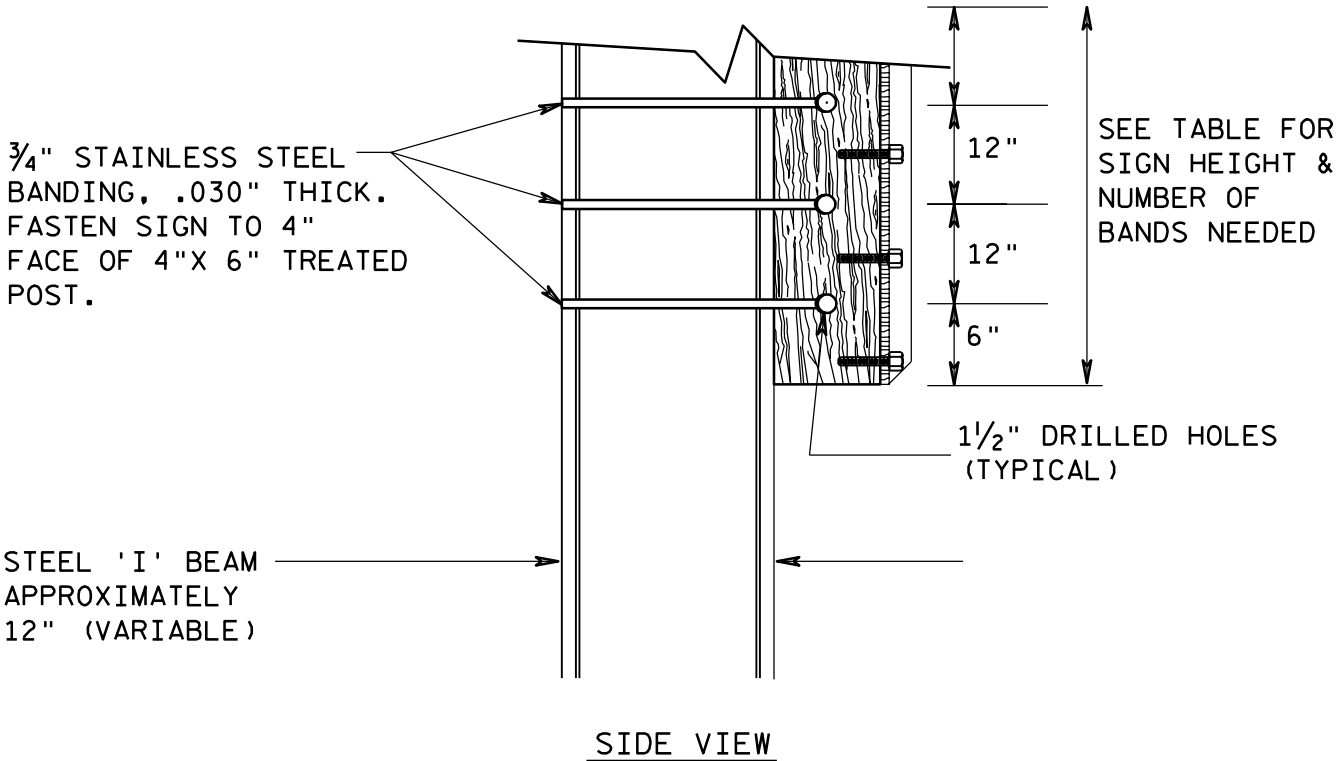
SHEET NO:

E

TYPE II SIGN MOUNTING ON STEEL I BEAMS

SIGN HEIGHT	NUMBER OF BANDS
24 "	2
30 "	2
36 "	3
42 "	3
48 "	4
54 "	4

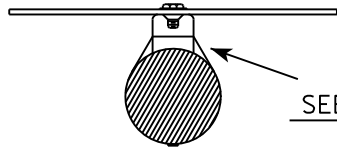
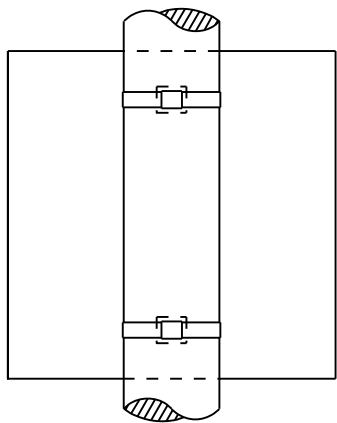
SIGN HEIGHT	NUMBER OF BANDS
60 "	5
66 "	5
72 "	6
78 "	6
84 "	7
90 "	7



TYPE II SIGN MOUNTING	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 1/24/07	PLATE NO. A5-8.1

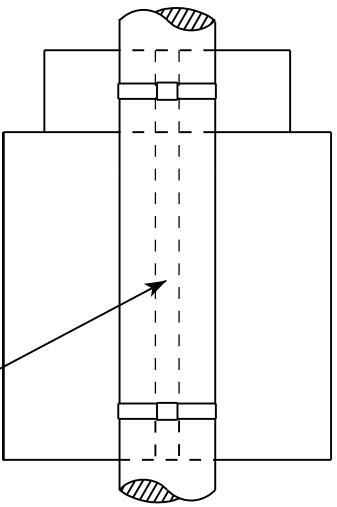
BANDING

SINGLE SIGN

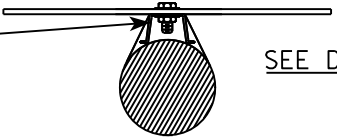


SEE DETAIL A

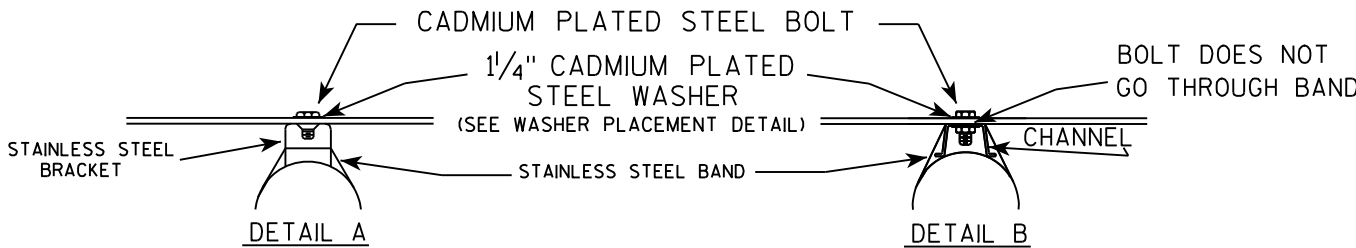
"J" ASSEMBLY



CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET



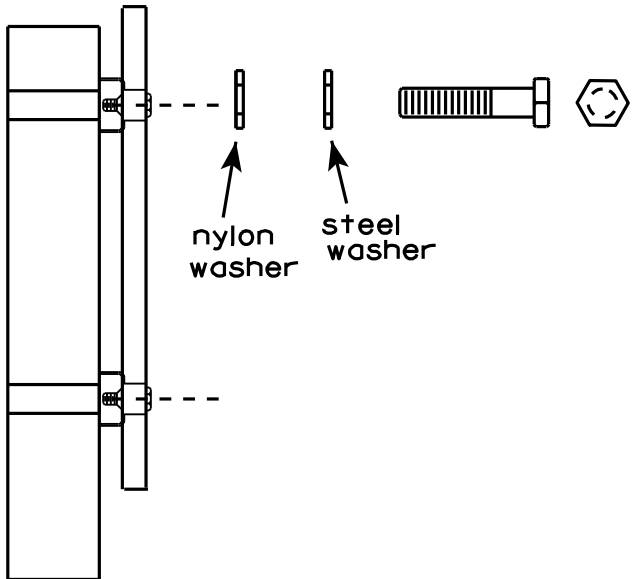
SEE DETAIL B



GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.

WASHER PLACEMENT



nylon washer
steel washer

WASHERS (ALL POSTS) -
1-1/4" O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL
1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

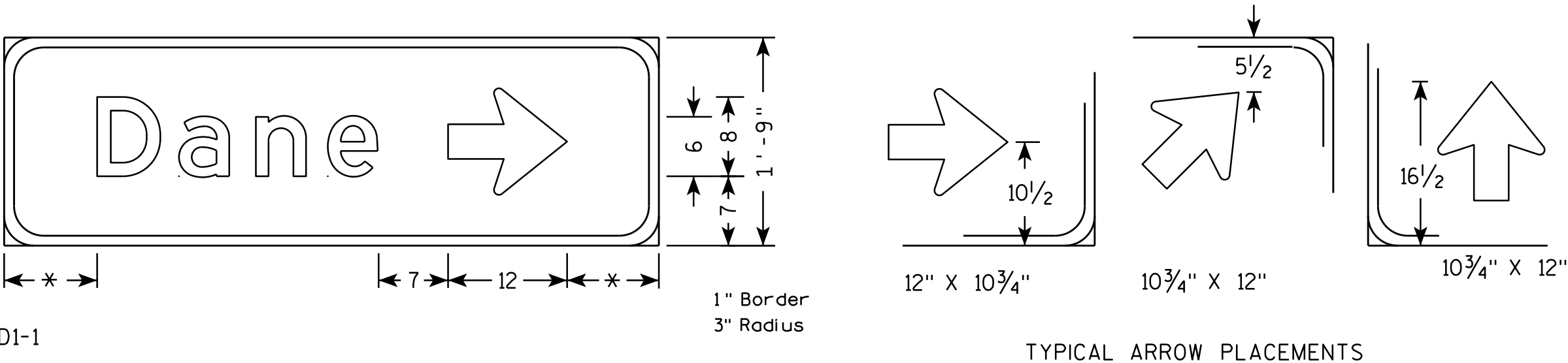
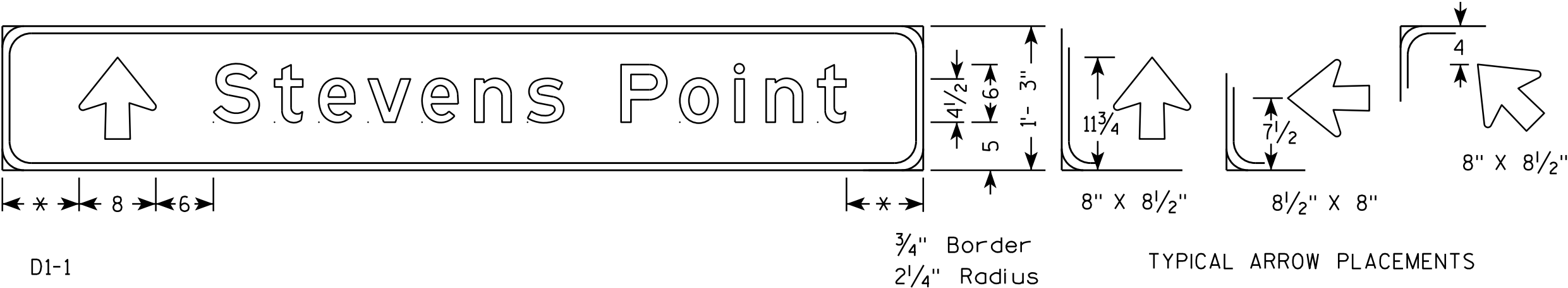
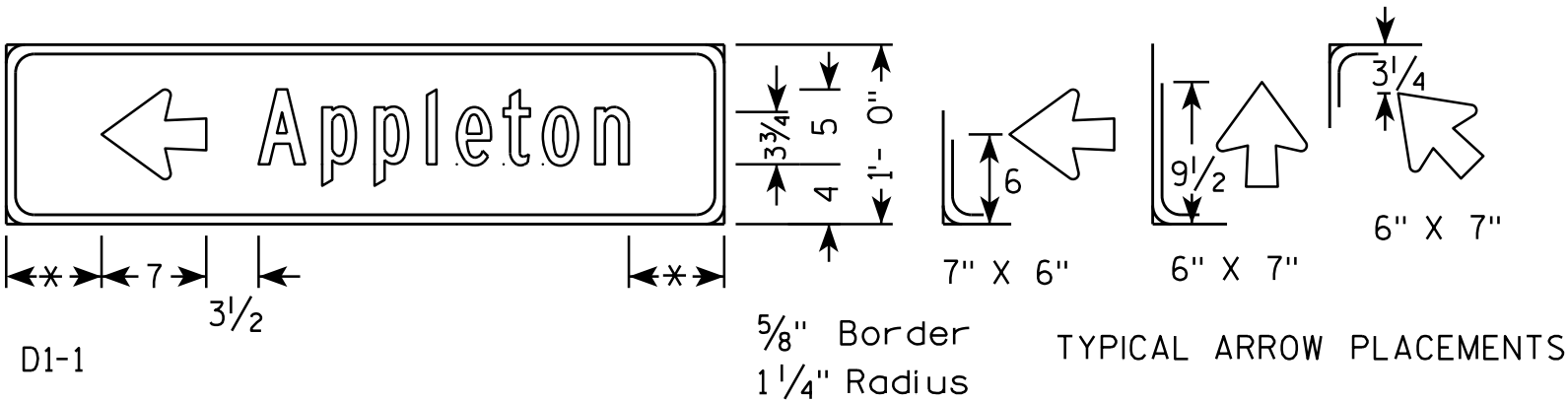
DATE 8/16/13 PLATE NO. A5-9.3

TYPICAL EXAMPLES

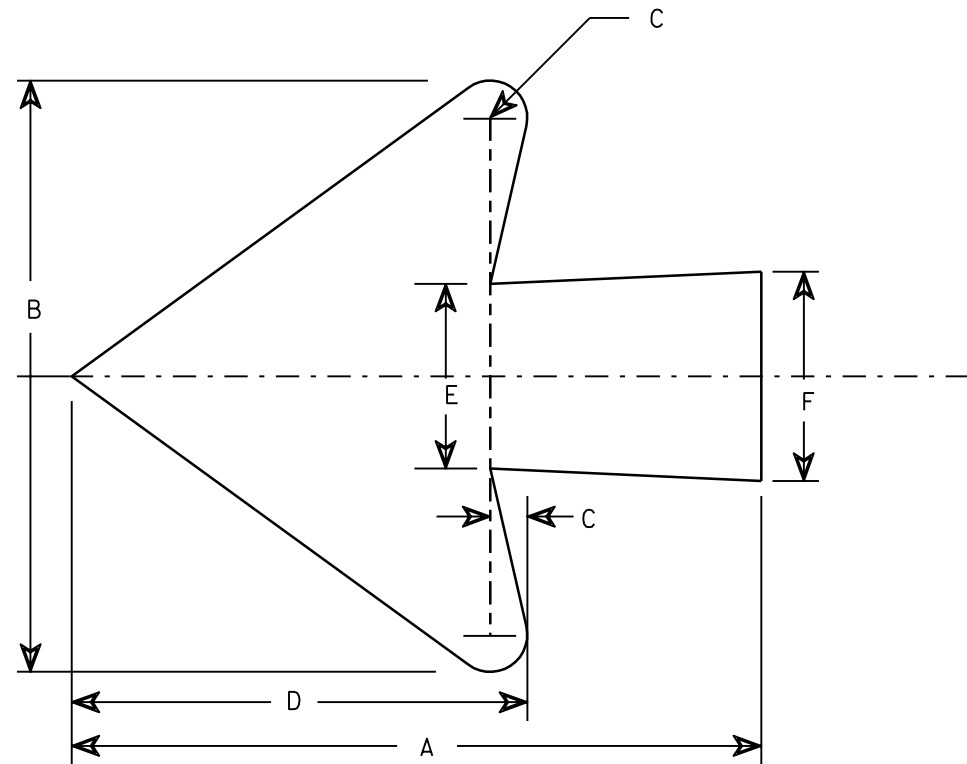
NOTES

- 1. All signs are Type II - Type H Reflective
- 2. Color:
Background - Green
Message - White - Type H Reflective
- 3. Message Series for 3 3/4" L C is Series C and Series E for 4 1/2" L C and 6" L C.
- 4. Overall length of these signs is in 6" increments.
- 5. Arrows as per standard plate A1-2.
- 6. Tilt arrow is always at 45°.
- 7. Each line of copy including the arrow is centered on the board.

* Minimum dimension normally height of upper case letter.

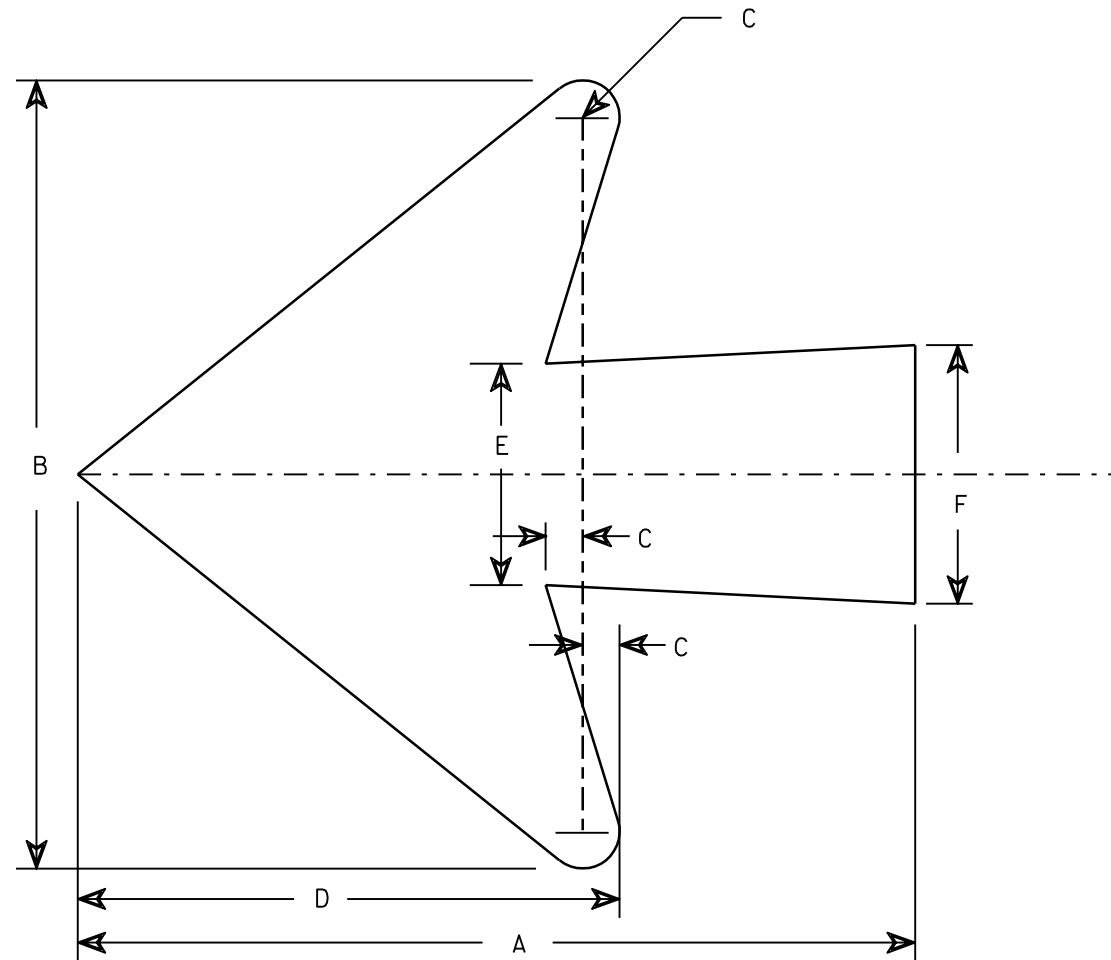


DESTINATION-DIRECTIONAL SIGNS	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 1/27/14	PLATE NO. A11-11A.4



Lower Case Copy Size	Right or Left	A		B	C	D	E	F
		* 2 Town	* 3 Town					
3¾ Series C	7	11	18	6	¾	4⅝	1⅞	2⅛

* Indicates Ahead and Tilt for
2 & 3 Town applications.

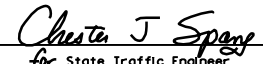


Lower Case Copy Size	Right or Left	A		B	C	D	E	F
		* 2 Town	* 3 Town					
4½ Series D&E	8½	11	18	8	¾	5½	2¼	2⅝
6 Series D&E	12	18	24	10¾	½	7⅜	3¼	3½
8 Series E	15½	24	30	14¼	¾	9¾	4¼	4½

* Indicates Ahead and Tilt for
2 & 3 Town applications.

STANDARD ARROWS
FOR D1 GUIDE SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED 
for State Traffic Engineer

DATE 8/10/92 PLATE NO. A1-2.3

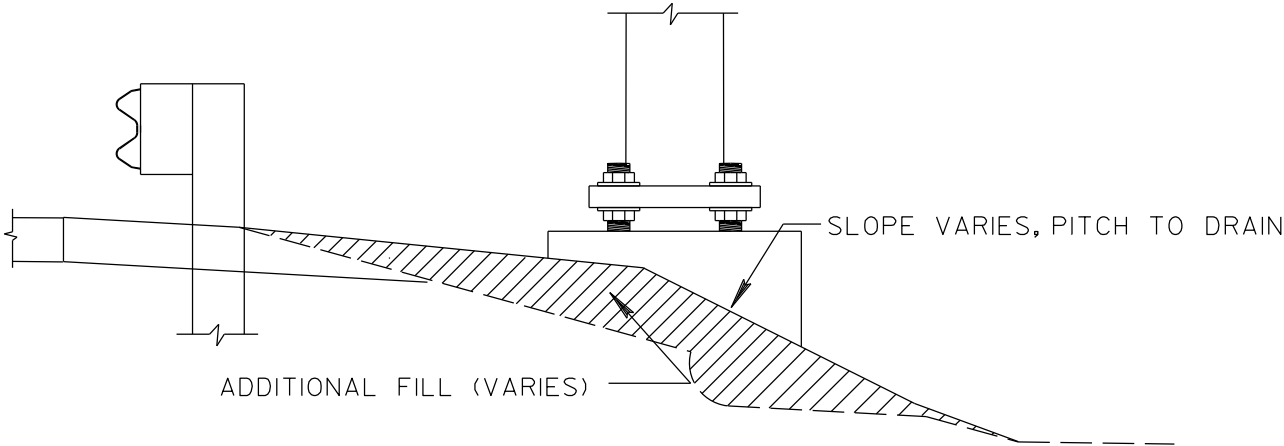
LIST OF REPAIR DRAWINGS

1. FOUNDATION DETAILS (1 OF 2)
2. FOUNDATION DETAILS (2 OF 2)
3. TRUSS DETAILS (1 OF 3)
4. TRUSS DETAILS (2 OF 3)
5. TRUSS DETAILS (3 OF 3)
6. SIGN PANEL DETAILS (1 OF 2)
7. SIGN PANEL DETAILS (2 OF 2)
8. CATWALK DETAILS
9. ELECTRICAL DETAILS
10. S-05-0106
11. S-05-0109
12. S-05-0116
13. S-05-0118
14. S-05-0119
15. S-05-0214
16. S-05-0278
17. S-20-0008
18. S-20-0203
19. S-37-0051
20. S-37-0052
21. S-37-0056
22. S-37-0057
23. S-37-0060
24. S-37-0076
25. S-37-0079
26. S-37-0082
27. S-43-0008
28. S-43-0015
29. S-44-0007
30. S-44-0013
31. S-44-0014
32. S-44-0016
33. S-44-0017
34. S-44-0037
35. S-44-0038
36. S-44-0039
37. S-44-0041
38. S-44-0042
39. S-44-0043
40. S-49-0011
41. S-50-0003
42. S-59-0003
43. S-59-0005
44. S-59-0036
45. S-59-0038
46. S-63-0002
47. S-68-0002
48. S-70-0028
49. S-70-0070
50. S-70-0108
51. S-70-0116
52. S-70-0129
53. S-70-0130
54. S-70-0135
55. S-70-0152
56. S-71-0022

TABLE OF ESTIMATED QUANTITIES FOR FOUNDATIONS*

STRUCTURE NUMBER	ELEVATION VIEW SHEET NUMBER	HIGHWAY	FILL EROSION	REPLACE RODENT SCREEN	TENSION ANCHOR ROD	REMOVE FILL AND REGRADE	REPAIR FOUNDATION
			SPV.0060.01	SPV.0060.02	SPV.0060.16	SPV.0060.20	SPV.0060.21
			EACH	EACH	EACH	EACH	EACH
S-05-0109	11 OF 56	STH 29		1			
S-05-0118	13 OF 56	STH 172				1	
S-05-0278	16 OF 56	STH 29			6		
S-37-0056	21 OF 56	USH 51	1				
S-37-0060	23 OF 56	USH 51	1				
S-44-0014	31 OF 56	USH 41			8		1
S-44-0041	37 OF 56	USH 41				2	
S-44-0042	38 OF 56	USH 41				2	
S-70-0028	48 OF 56	USH 41	1				
S-70-0108	50 OF 56	STH 21				1	
TOTAL QUANTITY*			3	1	14	6	1

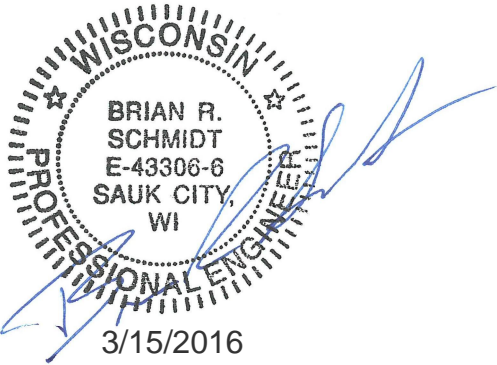
* THE INFORMATION PROVIDED IN THIS TABLE IS FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE COUNTED AS ADDITIONAL QUANTITIES TO THOSE LISTED ON THE ELEVATION VIEW SHEETS.



REGRADE/FILL EROSION AT STRUCTURE FOUNDATION

STATE PROJECT NUMBER

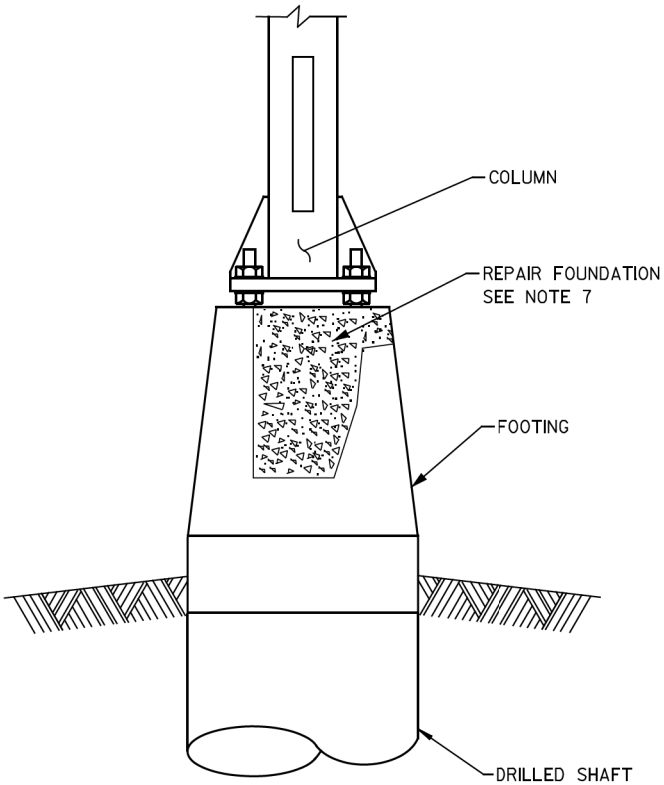
1009-30-08



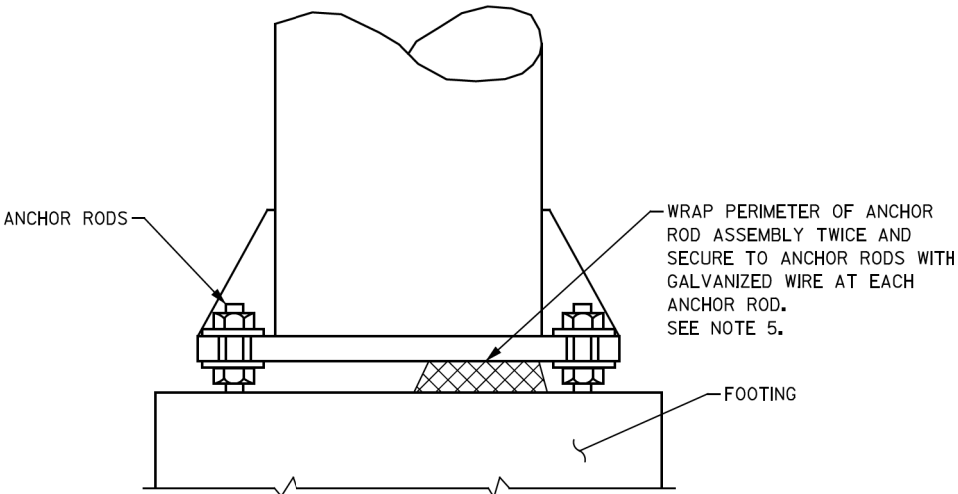
NO.	DATE	REVISION	BY
<div><div><div>F</div><div>Fish & Associates Inc.</div><div>Partners in Structural Solutions</div></div></div>			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED <i>William C. Dreher</i> ^{SDR} CHIEF STRUCTURES DESIGN ENGINEER		03/17/16 DATE	
SIGN BRIDGE REPAIR NE & NC			
REGION WIDE VARIOUS STH HWY			
COUNTY NE & NC REGION WIDE		TOWN/CITY/VILLAGE VARIOUS	
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY	BRS	DESIGN CK'D.	FH
DRAWN BY	BRS	PLANS CK'D.	FH
FOUNDATION DETAILS (1 OF 2)			SHEET 1 OF 56

BUREAU OF STRUCTURES CONTACT:
WILLIAM DREHER (608) 266-8489

CONSULTANT CONTACT:
BRIAN SCHMIDT (608) 831-3238



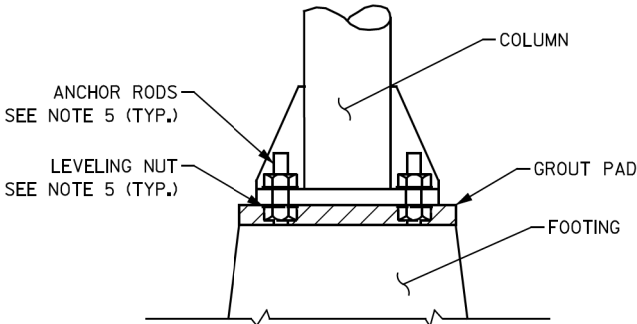
FOUNDATION DETAIL



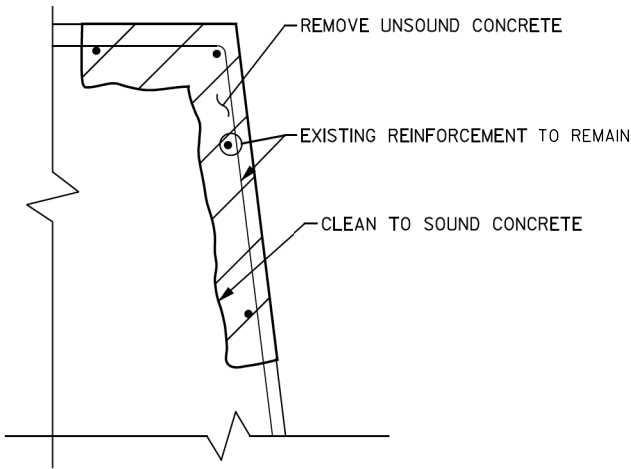
RODENT SCREEN DETAIL

FOUNDATION NOTES

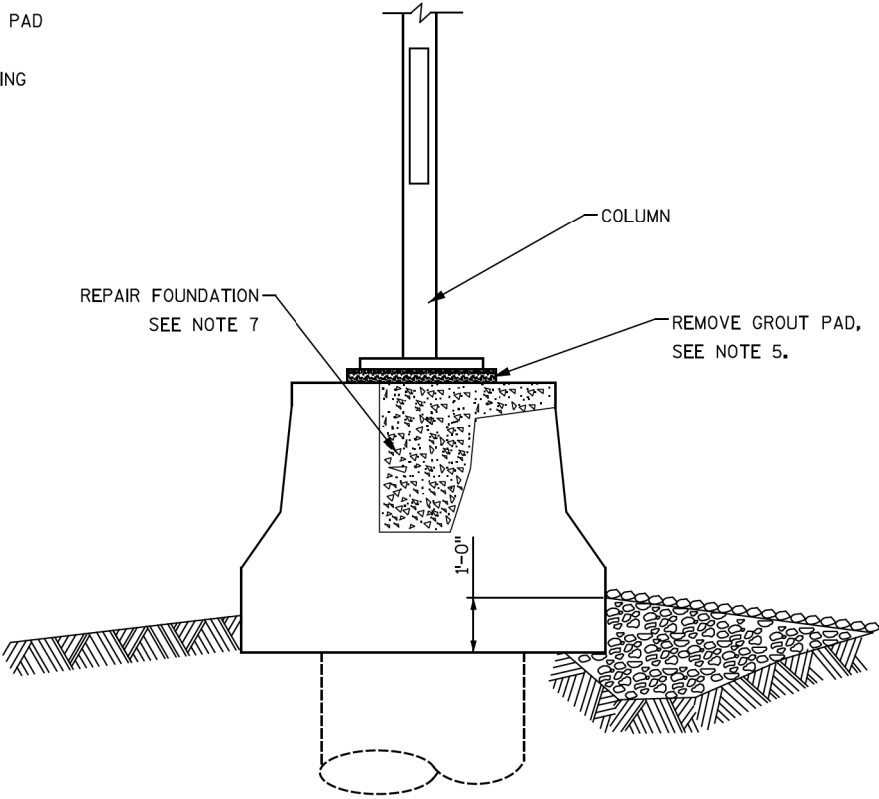
1. CONCRETE - $f_c' = 3,500$ PSI.
2. BAR STEEL REINF.- GRADE 60
 $f_y = 60,000$ PSI.
3. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL REPAIRS.
4. THE CONTRACTOR SHALL FIELD VERIFY DIMENSIONS OF THE ITEM REQUIRED. DISCREPANCIES SHALL BE SUBMITTED TO THE ENGINEER FOR CLARIFICATION PRIOR TO BEGINNING WORK.
5. APPLY ZINC-RICH PAINT TO THE ANCHOR BOLTS, NUTS, WASHERS, AND LEVELING NUTS IN ACCORDANCE WITH SPECIFICATIONS AFTER REMOVING THE GROUT PAD OR TENSIONING THE ANCHOR BOLT. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM, "REMOVE GROUT PAD" OR "TENSION ANCHOR BOLTS".
6. STEEL ANCHOR BOLT NUTS AND WASHERS SHALL BE AASHTO M314 GRADE 55
 $F_y = 55,000$ PSI.
7. THE TOP OF THE FOOTING SHALL BE SMOOTHED AND SLOPED TO DRAIN.
8. RODENT SCREEN ONLY REQUIRED WHEN ELECTRICAL DEVICES ARE PRESENT.



GROUT PAD DETAIL



REPAIR FOUNDATION DETAIL



FOUNDATION DETAIL

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN BRIDGE REPAIR 2015			
DRAWN BY: BRS		CHECKED BY: FH	
FOUNDATION DETAILS (2 OF 2)		SHEET 2 OF 56	

TABLE OF ESTIMATED QUANTITIES FOR TRUSS*

STATE PROJECT NUMBER

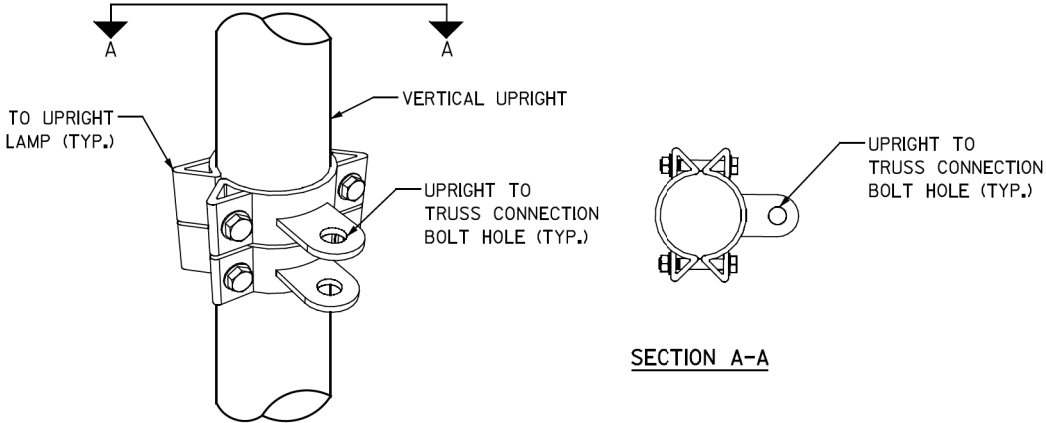
1009-30-08

STRUCTURE NUMBER	ELEVATION VIEW SHEET NUMBER	HIGHWAY	SECURE/ REPLACE SIGN POST CAP	REPLACE END CAP	TIGHTEN POST TO MASTARM CONNECTION BOLT	TENSION POST TO TRUSS AND MASTARM CONNECTION BOLTS	REPLACE SPLICE CONNECTION BOLTS	REPLACE LUMINAIRE ARM CONNECTION BOLTS	TENSION TRUSS GUSSET CONNECTION BOLT	REINSTALL TRUSS (S-49-0011)
			SPV.0060.04	SPV.0060.06	SPV.0060.07	SPV.0060.08	SPV.0060.12	SPV.0060.14	SPV.0060.15	SPV.0060.23
			EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
S-05-0106	10 OF 56	USH 141				6				
S-05-0119	14 OF 56	STH 172	1							
S-05-0214	15 OF 56	USH 41		1						
S-37-0076	24 OF 56	USH 51	1							
S-37-0082	26 OF 56	USH 51	1							
S-44-0007	29 OF 56	USH 41				32				
S-44-0013	30 OF 56	USH 41				32				
S-44-0017	33 OF 56	STH 15			1					
S-49-0011	40 OF 56	STH 66	2							1
S-50-0003	41 OF 56	STH 70	1	1						
S-59-0036	44 OF 56	STH 57						3		
S-59-0038	45 OF 56	STH 57						3		
S-63-0002	46 OF 56	USH 51	1							
S-68-0002	47 OF 56	STH 110	1							
S-70-0108	50 OF 56	STH 21				4				
S-70-0129	52 OF 56	USH 41				1				
S-70-0130	53 OF 56	USH 41				2			2	
S-71-0022	56 OF 56	STH 54/73					6			
TOTAL QUANTITY*			8	2	1	77	6	6	2	1

* THE INFORMATION PROVIDED IN THIS TABLE IS FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE COUNTED AS ADDITIONAL QUANTITIES TO THOSE LISTED ON THE ELEVATION VIEW SHEETS.

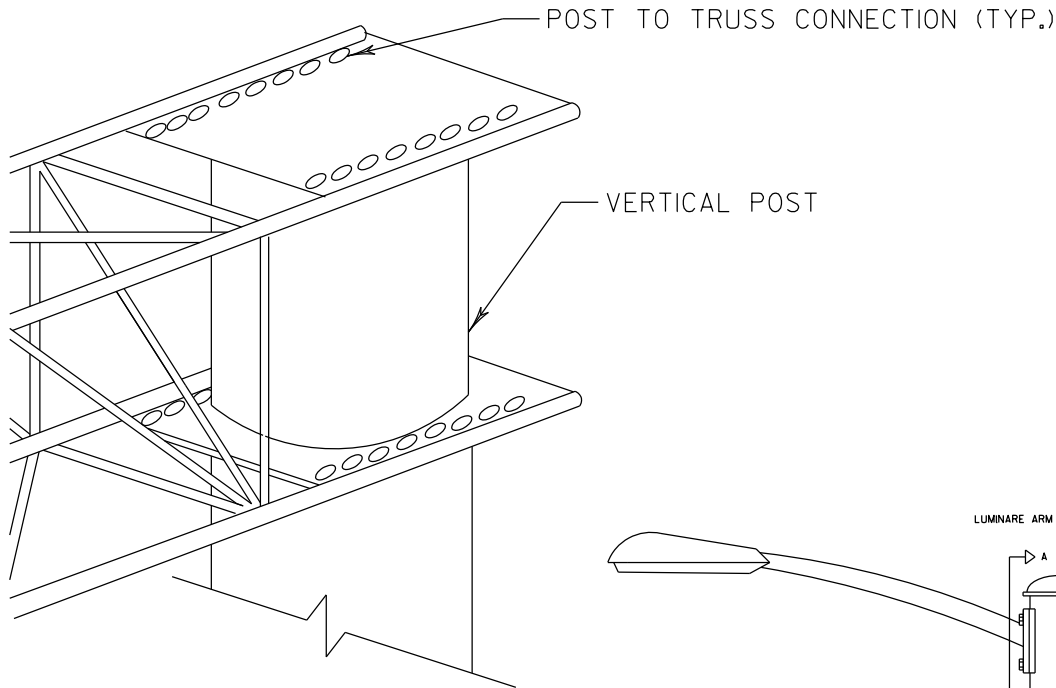
TRUSS NOTES

1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL REPAIRS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS OF THE ITEM REQUIRED. DISCREPANCIES SHALL BE SUBMITTED TO THE ENGINEER FOR CLARIFICATION PRIOR TO BEGINNING WORK.
3. ALL STAINLESS STEEL BOLTS, LOCK WASHERS, AND NUTS SHALL CONFORM TO:
-ANCHOR BOLT/HEX BOLTS ASTM F593 ANY ALLOY GROUP 1, 2, OR 3
-WASHERS ASTM A240
ANY OF THE 300 SERIES WHICH HAVE A MINIMUM YIELD OF 40,000 PSI AND ELONGATION OF 15% FOR OVER 3/4" AND 12% FOR 3/4" DIAMETER AND SMALLER.
4. REPLACE MISSING BOLTS ON TOWER CAPS WITH STAINLESS STELL BOLTS.

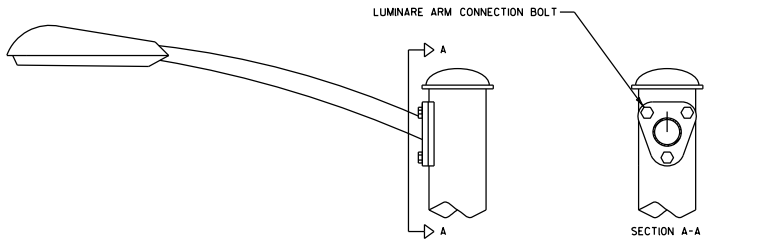


SECTION A-A

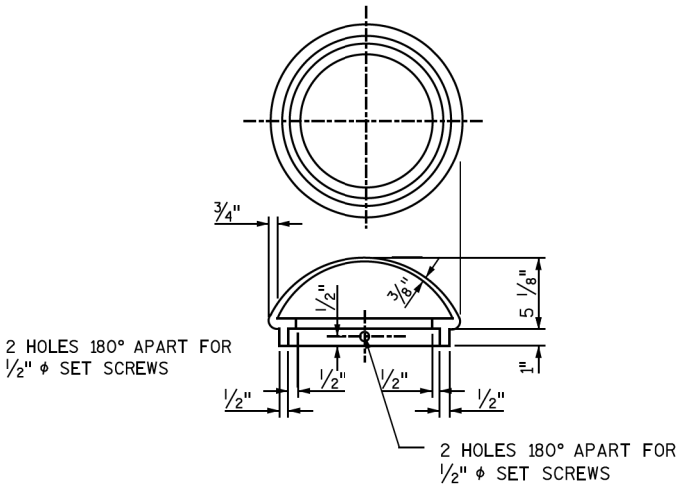
OVERHEAD POST TO TRUSS CONNECTION DETAIL



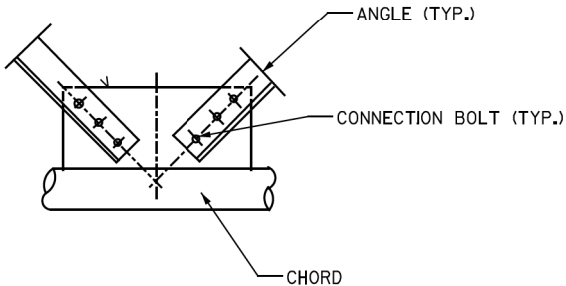
CANTILEVER SIGN BRIDGE
POST TO TRUSS CONNECTION DETAIL



LUMINAIRE ARM CONNECTION DETAIL

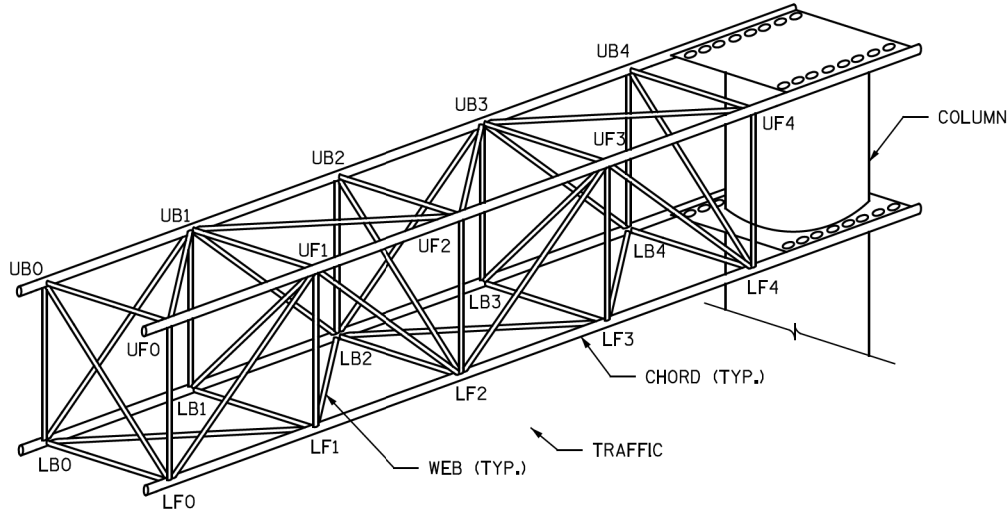


POST CAP CAP DETAIL

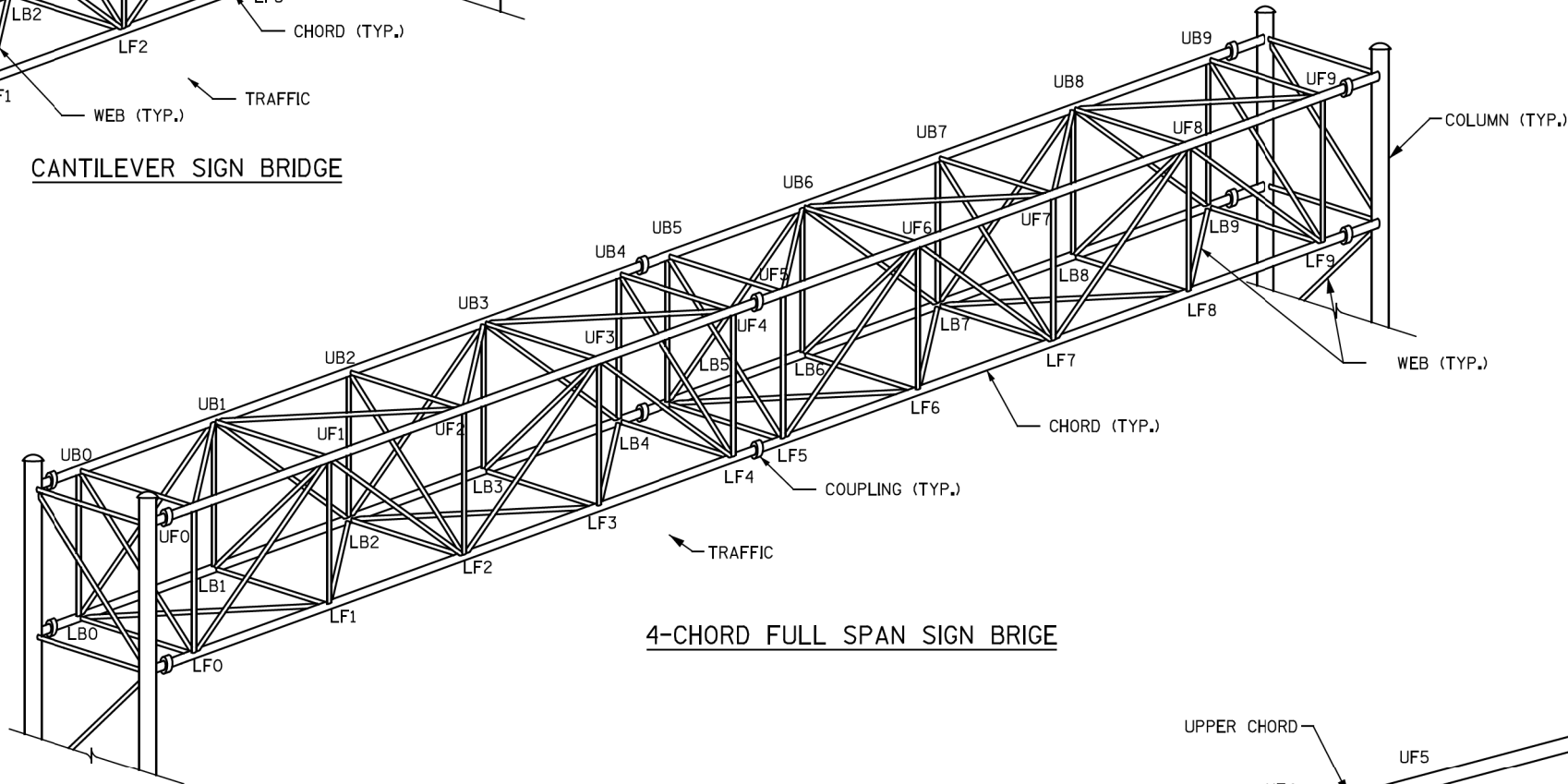


TRUSS GUSSET CONNECTION DETAIL

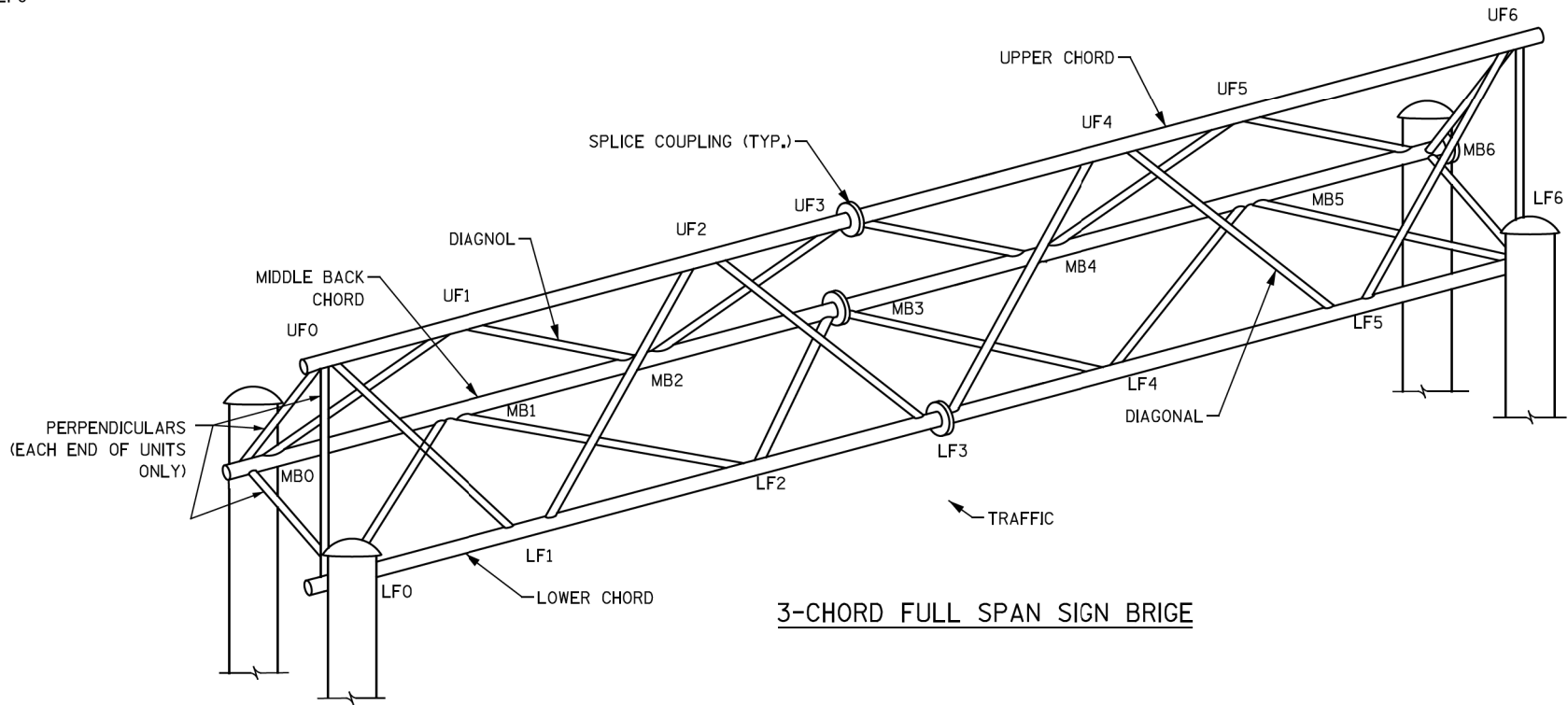
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN BRIDGE REPAIR 2015			
DRAWN BY: BRS		CHECKED BY: FH	
TRUSS DETAILS (1 OF 3)			SHEET 3 OF 56



CANTILEVER SIGN BRIDGE



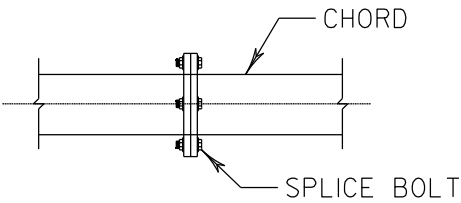
4-CHORD FULL SPAN SIGN BRIDGE



3-CHORD FULL SPAN SIGN BRIDGE

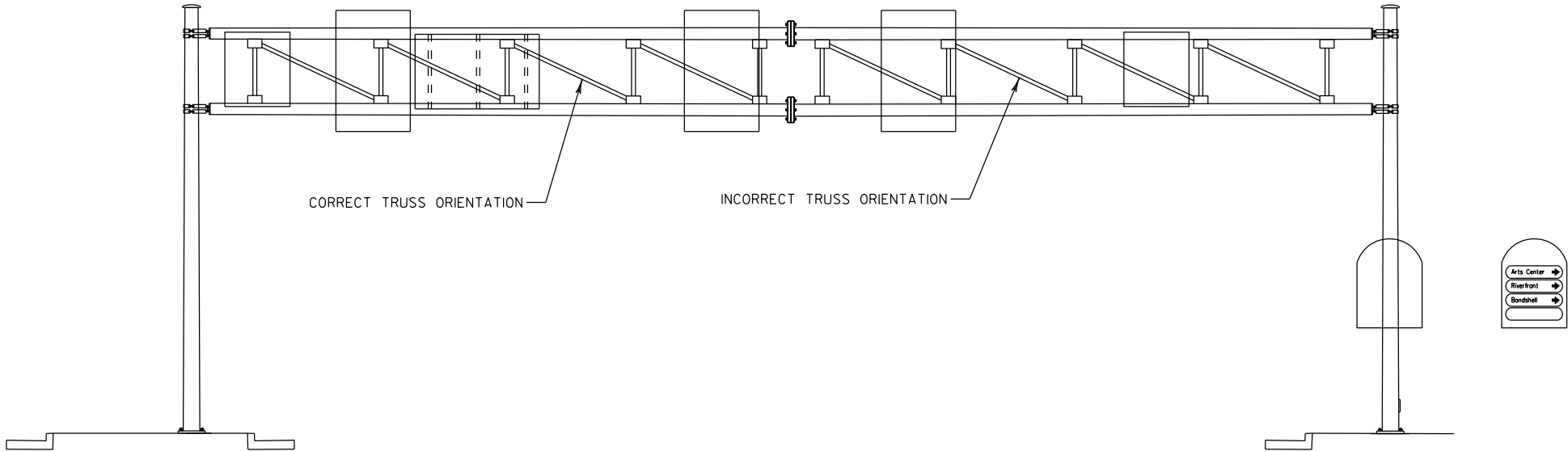
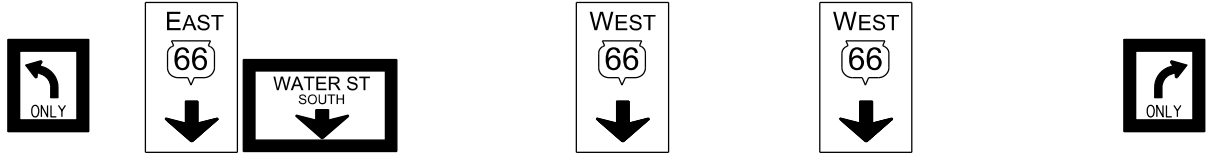
TRUSS NOTES:

1. WHEN A FULL SPAN SIGN BRIDGE IS OVER BOTH DIRECTIONS AND SIGNS ARE ON STRUCTURE THEN NORTHBOUND AND EASTBOUND GOVERN THE NUMBERING SYSTEM
2. THE CANTILEVER SIGN BRIDGE NUMBER SYSTEM ALWAYS COUNTS UP FROM LEFT TO RIGHT REGARDLESS OF COLUMN LOCATION
3. TYPICAL SIGN BRIDGE CONFIGURATION FOR INFORMATIONAL USE ONLY

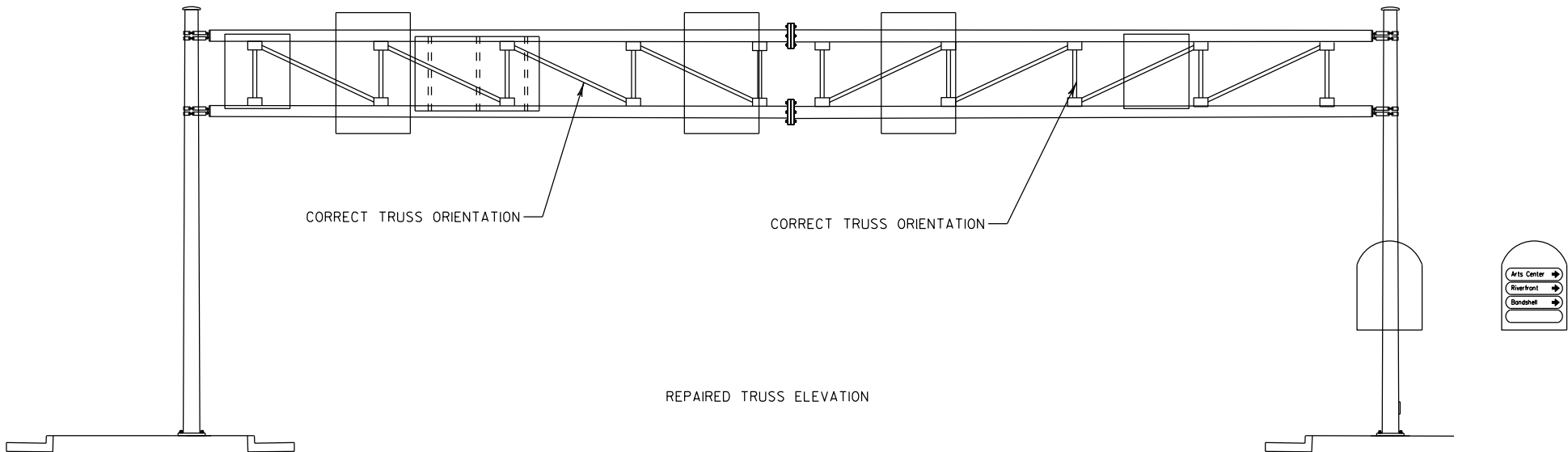
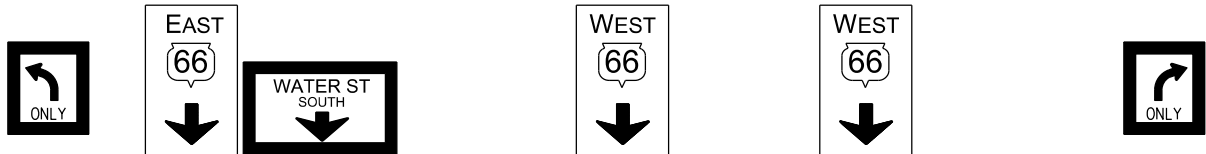


SPLICE CONNECTION BOLT DETAIL

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN BRIDGE REPAIR 2015			
DRAWN BY: BRS		CHECKED BY: FH	
TRUSS DETAILS (2 OF 3)		SHEET 4 OF 56	



AS-BUILT TRUSS ELEVATION



REPAIRED TRUSS ELEVATION

REINSTALL TRUSS DETAIL

TRUSS NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS OF ALL ITEMS ASSOCIATED WITH THE REPAIR THAT MAY NEED TO BE REPLACED DURING TRUSS REINSTALLATION. ALL REPLACED BOLTS AND OTHER ITEMS WILL BE CONSIDERED INCIDENTAL TO SPV.0060.23 - REINSTALL TRUSS (S-49-0011).
2. ALL STAINLESS STEEL BOLTS, LOCK WASHERS, AND NUTS SHALL CONFORM TO:
-ANCHOR BOLTS/HEX BOLTS ASTM F593 ANY ALLOW GROUP 1, 2, OR 3
-HEX NUTS ASTM F594
-WASHERS ASTM A240
ANY OF THE 300 SERIES WHICH HAVE A MINIMUM YIELD OF 40,000 PSI AND ELONGATION OF 15% FOR OVER 3/4" DIAMETER AND 12% FOR 3/4" DIAMETER AND SMALLER.
3. REMOVE ALL OVERHEAD SIGNS PRIOR TO TRUSS DISASSEMBLY.
4. REINSTALL ALL SIGNS TO THEIR ORIGINAL CONFIGURATION AFTER TRUSS HAS BEEN CORRECTLY REINSTALLED.
5. ALL REMOVAL AND INSTALLATION OF OVERHEAD TYPE I & II SIGNS ON S-49-0011 SHALL BE CONSIDERED INCIDENTAL TO SPV.0060.23 - REINSTALL TRUSS (S-49-0011).

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN BRIDGE REPAIR 2015			
		DRAWN BY:	BRS
		CHECKED BY:	FH
TRUSS DETAILS (3 OF 3)		SHEET	
		5 OF 56	

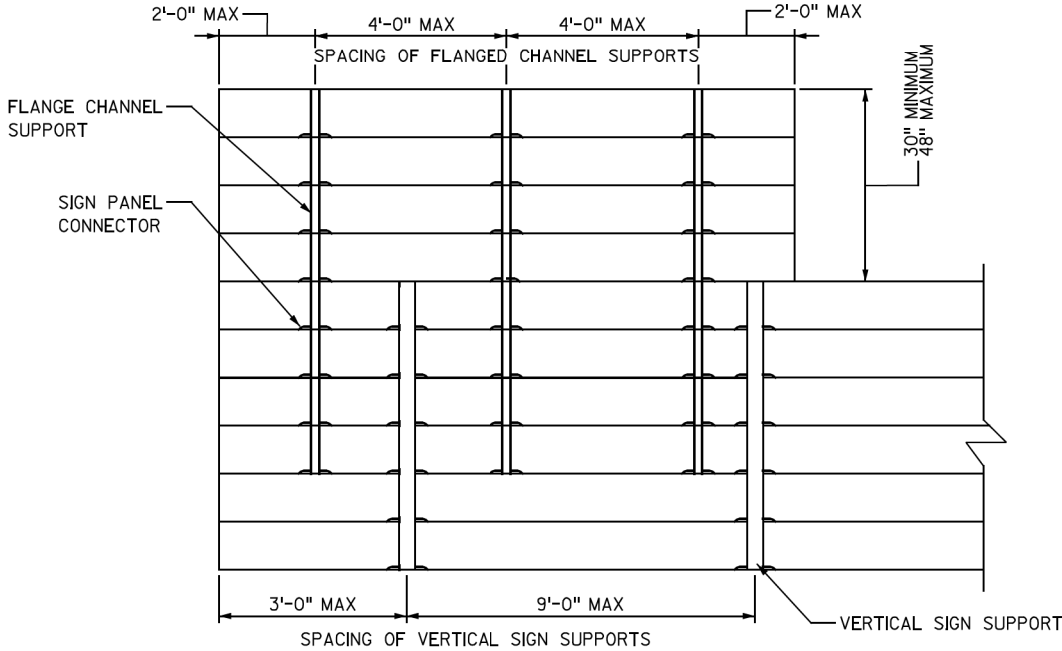
TABLE OF ESTIMATED QUANTITIES FOR SIGN PANELS*

STATE PROJECT NUMBER

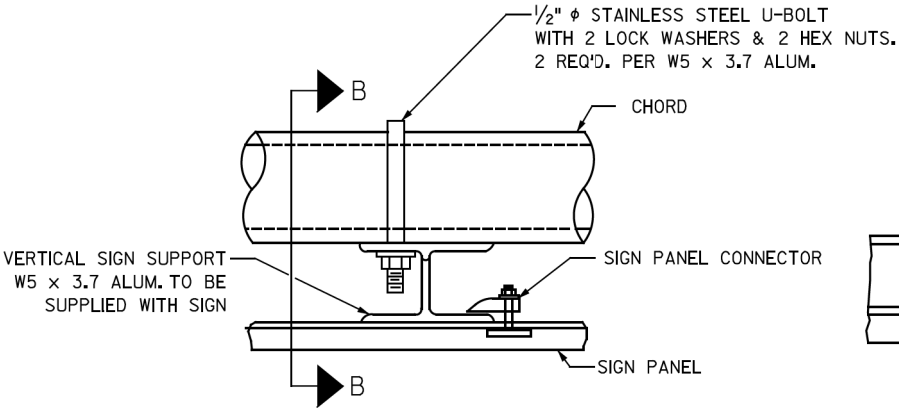
1009-30-08

STRUCTURE NUMBER	ELEVATION VIEW SHEET NUMBER	HIGHWAY	SIGNS TYPE II REFLECTIVE SH	REMOVING SIGNS TYPE II	REPLACE SIGN PANEL CONNECTOR	REPLACE TYPE II SIGN SUPPORT BRACKET	SLOTTED HOLE SIGN SUPPORT REPAIR	REPLACE SIGN CONNECTION HARDWARE	REPLACE U-BOLT	REPLACE SIGN BRIDGE ID PLAQUE
			637.2220	638.2602	SPV.0060.03	SPV.0060.05	SPV.0060.10	SPV.0060.13	SPV.0060.17	SPV.0060.18
			SF	EACH	EACH	EACH	EACH	EACH	EACH	EACH
S-05-0116	12 OF 56	STH 54				1				
S-20-0008	17 OF 56	USH 151			1					
S-20-0203	18 OF 56	USH 151					2			
S-37-0051	19 OF 56	I-39/USH 51			3					
S-37-0052	20 OF 56	I-39/USH 51			4					
S-37-0056	21 OF 56	USH 51			2					
S-37-0057	22 OF 56	USH 51			1					
S-37-0060	23 OF 56	USH 51			3					
S-37-0076	24 OF 56	USH 51			5					
S-37-0079	25 OF 56	STH 29			1					
S-37-0082	26 OF 56	USH 51			4					
S-44-0014	31 OF 56	USH 41			1				1	
S-44-0016	32 OF 56	USH 41			1					
S-44-0017	33 OF 56	STH 15	3.5	1						
S-44-0037	34 OF 56	USH 41			1					
S-44-0038	35 OF 56	USH 41			1					
S-44-0039	36 OF 56	USH 41			1					
S-44-0043	39 OF 56	USH 41						1		
S-59-0003	42 OF 56	IH-43			1					
S-59-0005	43 OF 56	IH-43			1					
S-70-0070	49 OF 56	USH 41			1					
S-70-0108	50 OF 56	STH 21				1				
S-70-0116	51 OF 56	USH 41					5			
S-70-0130	53 OF 56	USH 41								1
S-70-0135	54 OF 56	USH 45					2			
TOTAL QUANTITY*			3.5	1	32	2	9	1	1	1

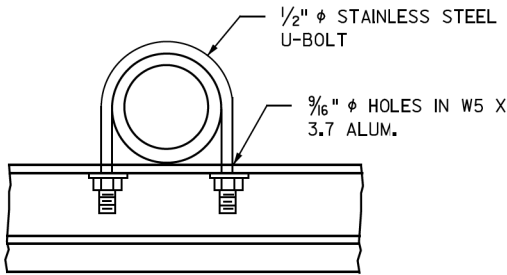
* THE INFORMATION PROVIDED IN THIS TABLE IS FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE COUNTED AS ADDITIONAL QUANTITIES TO THOSE LISTED ON THE ELEVATION VIEW SHEETS.



FLANGE CHANNEL SUPPORT/VERTICAL SIGN SUPPORT DETAILS

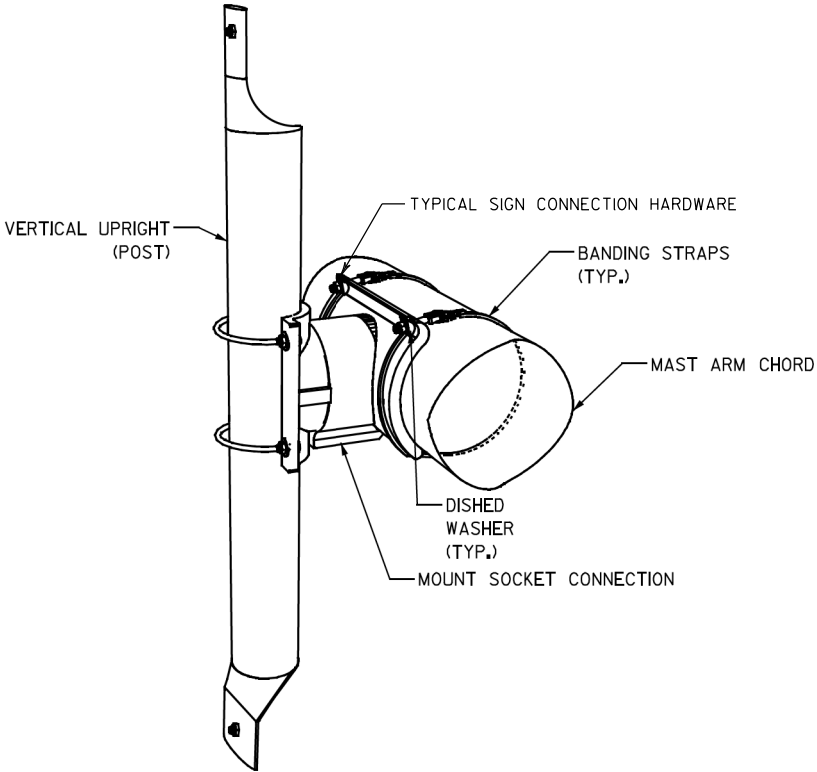


TYPICAL SIGN PANEL CONNECTION (TYPE I SIGN)



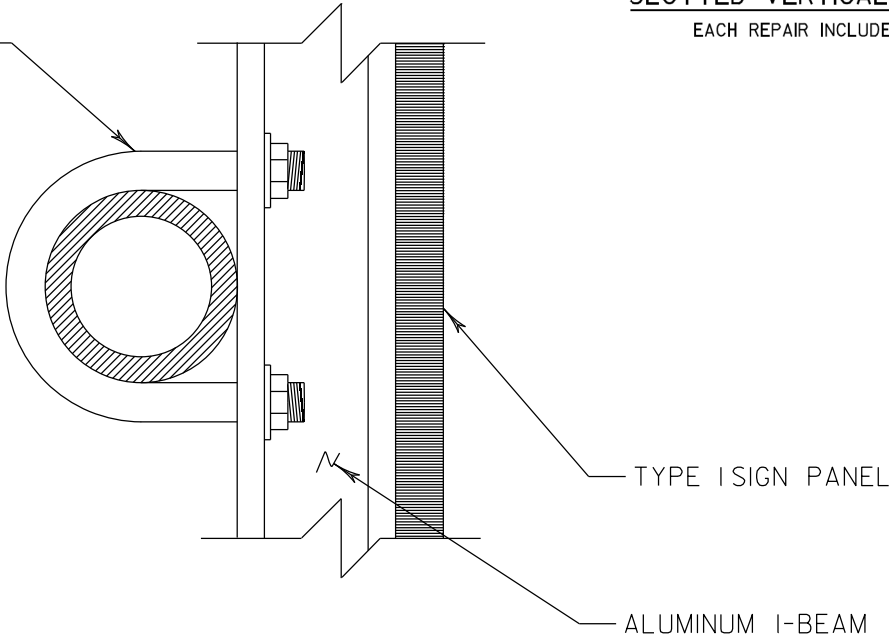
SECTION B-B

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN BRIDGE REPAIR 2015			
DRAWN BY: BRS		CHECKED BY: FH	
SIGN PANEL DETAILS (1 OF 2)			SHEET 6 OF 56

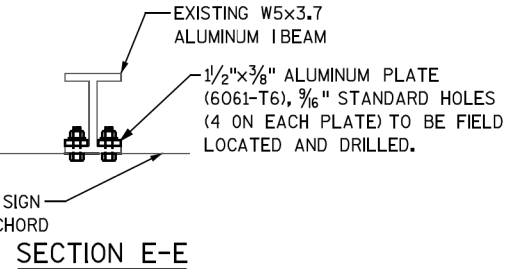
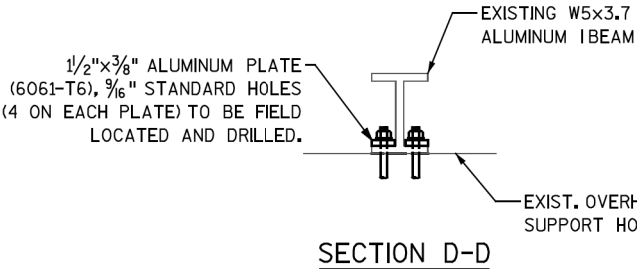
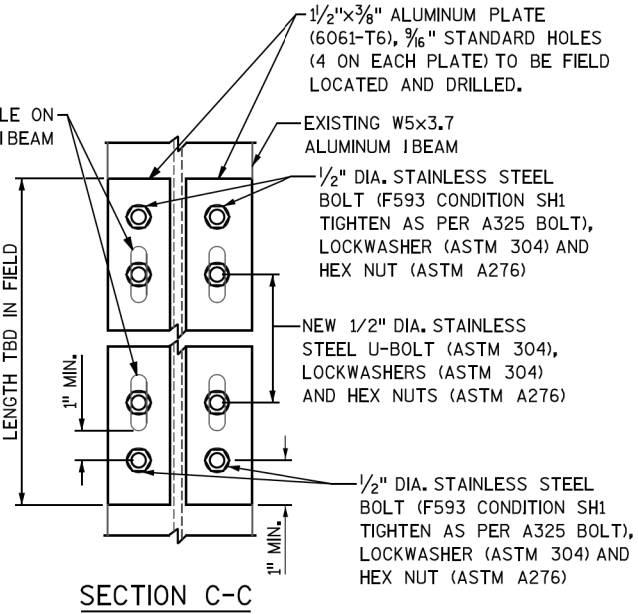
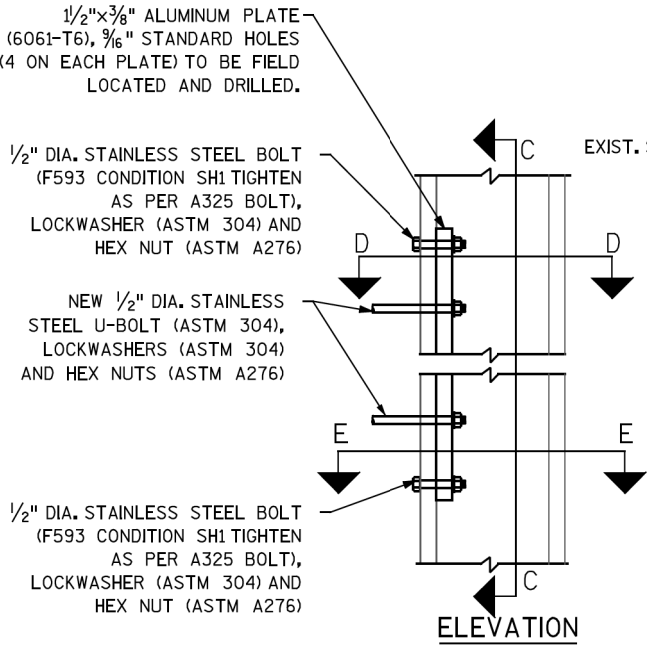


POST TO CHORD CONNECTION DETAIL (TYPE II SIGN)
/SIGN CONNECTION ASSEMBLY DETAIL

STAINLESS STEEL U-BOLT WITH 2
LOCK WASHERS AND 2 HEX NUTS
ATTACHED TO VERTICAL SIGN
SUPPORT/L-BRACKET.



INSTALL U-BOLT & TIGHTEN
LOOSE U-BOLT DETAIL



SLOTTED VERTICAL SIGN SUPPORT REPAIR DETAIL
EACH REPAIR INCLUDES ALL BOLT CONNECTIONS PER I-BEAM

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN BRIDGE REPAIR 2015			
DRAWN BY: BRS		CHECKED BY: FH	
SIGN PANEL DETAILS (2 OF 2)		SHEET 7 OF 56	

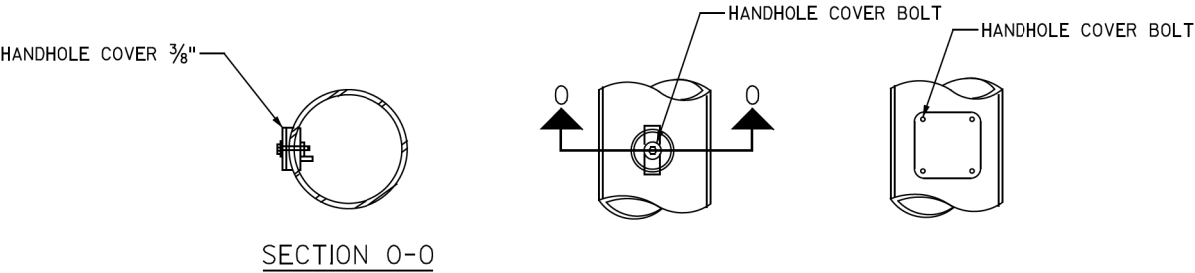
TABLE OF ESTIMATED QUANTITIES FOR ELECTRICAL*

STRUCTURE NUMBER	ELEVATION VIEW SHEET NUMBER	HIGHWAY	REPLACE CONDUIT PLUG	SECURE/ REPLACE HANDHOLE COVER
			SPV.0060.11	SPV.0060.22
			EACH	EACH
S-43-0008	27 OF 56	USH 8	3	
S-43-0015	28 OF 56	STH 70		1
S-70-0129	52 OF 56	USH 41	1	
S-70-0130	53 OF 56	USH 41	1	
TOTAL QUANTITY*			5	1

* THE INFORMATION PROVIDED IN THIS TABLE IS FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE COUNTED AS ADDITIONAL QUANTITIES TO THOSE LISTED ON THE ELEVATION VIEW SHEETS.

ELECTRICAL NOTES:

1. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL REPAIRS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE OF THE ITEM REQUIRED.
3. ALL STAINLESS STEEL BOLTS, LOCK WASHERS, AND NUTS SHALL CONFORM TO:
- HEX NUTS ASTM F594
- WASHERS ASTM A240
ANY OF THE 300 SERIES WHICH HAVE A MINIMUM YIELD OF 40,000 PSI AND ELONGATION OF 15% FOR OVER 3/4" DIAMETER AND 12% FOR 3/4" DIAMETER AND SMALLER.
4. THE CONTRACTOR SHALL USE ANTI-SIEZE COMPOUND ON ELECTRICAL HANDHOLE COVER BOLTS, JUNCTION BOX BOLTS, LUMINAIRE COVER BOLTS, AND CONDUIT PLUGS PER SECTION 651.3.1 (5) OF THE WISDOT STANDARD SPECIFICATION.



HANDHOLE DETAILS

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN BRIDGE REPAIR 2015			
DRAWN BY: BRS		CHECKED BY: FH	
ELECTRICAL DETAILS		SHEET 9 OF 56	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

- NONE

TRAFFIC CONTROL

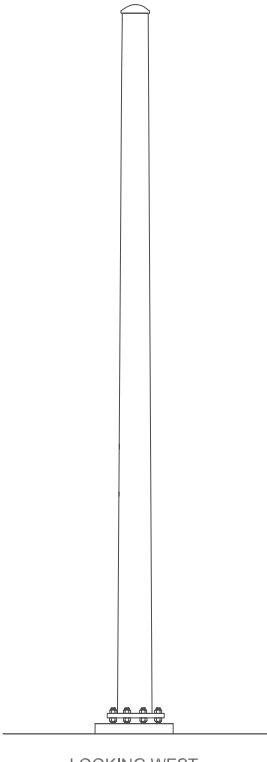
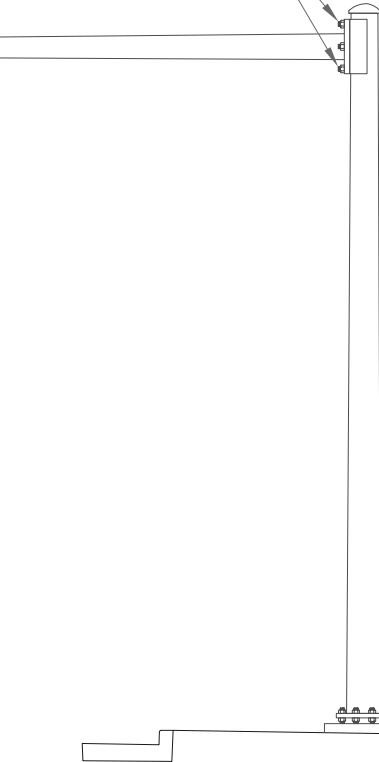
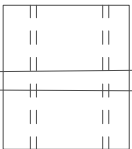
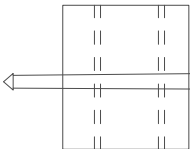
- RIGHT LANE CLOSURE PER SDD 15D12

STATE PROJECT NUMBER

1009-30-08

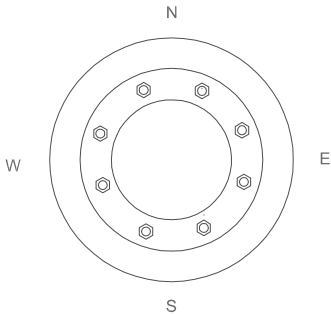


TENSION POST TO MASTARM
CONNECTION BOLTS



LOOKING NORTH

LOOKING WEST



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.08	TENSION POST TO TRUSS AND MASTARM CONNECTION BOLTS	6 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2013			
CONST. SPEC.	DRAWN BY: ZW	CHECKED BY: BRS	
S-05-0106			SHEET 10 OF 56

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

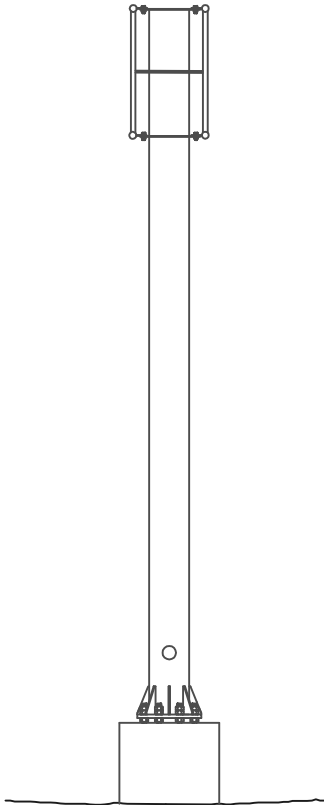
WORK RESTRICTIONS
- 7 AM TO 9 AM

TRAFFIC CONTROL
- NONE

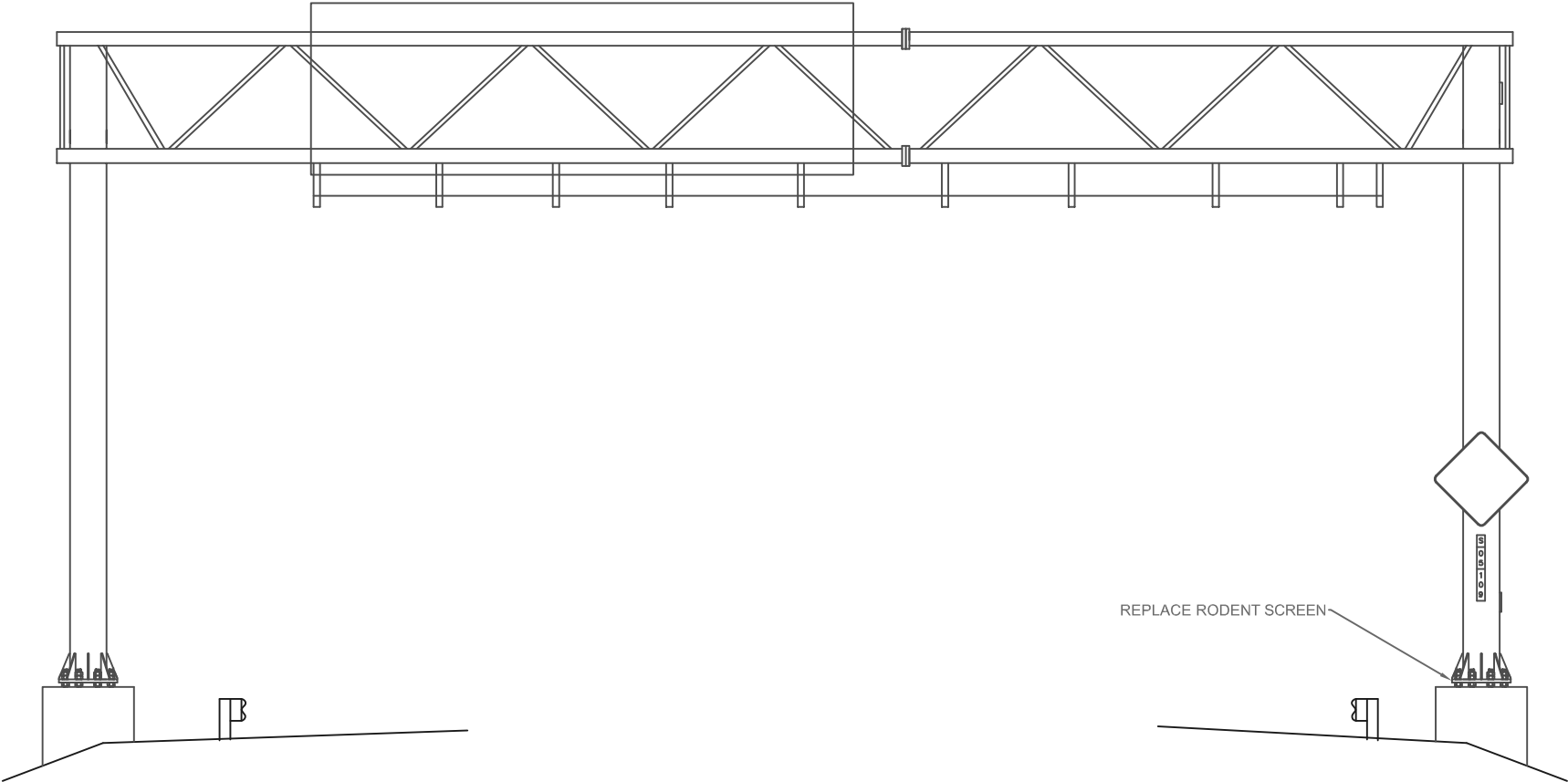
STATE PROJECT NUMBER

1009-30-08

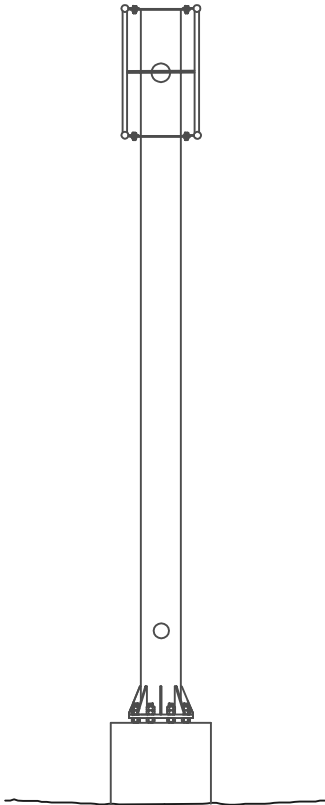
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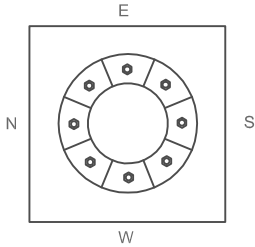
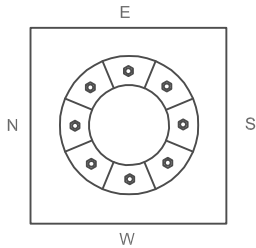
LOOKING SOUTH



LOOKING EAST



LOOKING NORTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.02	REPLACE RODENT SCREEN	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: JA	CHECKED BY: BS	
S-05-0109			SHEET 11 OF 56
			05/12/2015

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

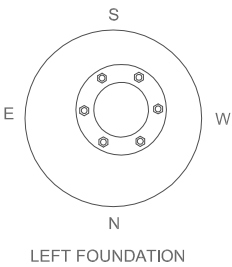
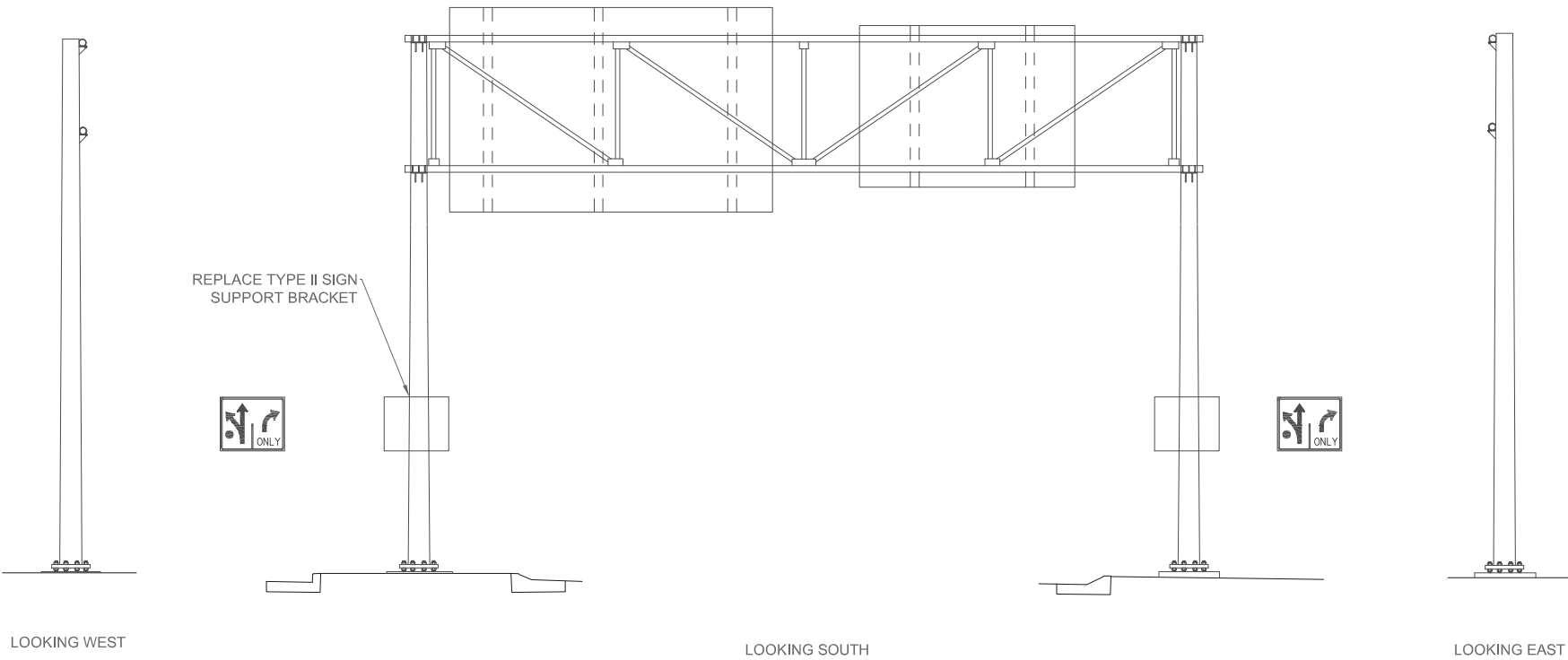
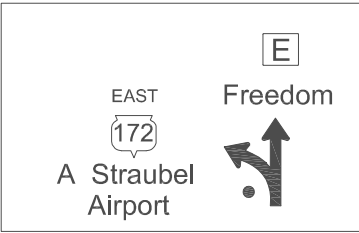
- NONE

TRAFFIC CONTROL

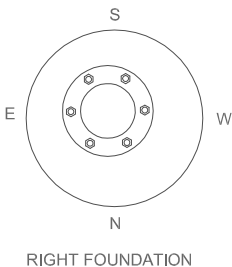
- NONE

STATE PROJECT NUMBER

1009-30-08



LEFT FOUNDATION



RIGHT FOUNDATION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.05	REPLACE TYPE II SIGN SUPPORT BRACKET	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	ZW	CHECKED BY: BS
S-05-0116		SHEET 12 OF 56	
		04/20/2015	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

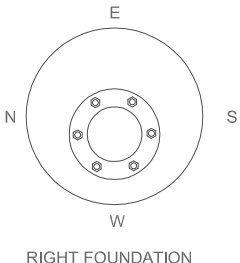
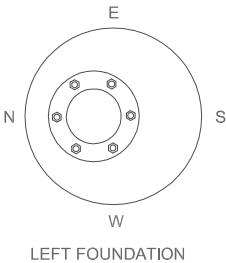
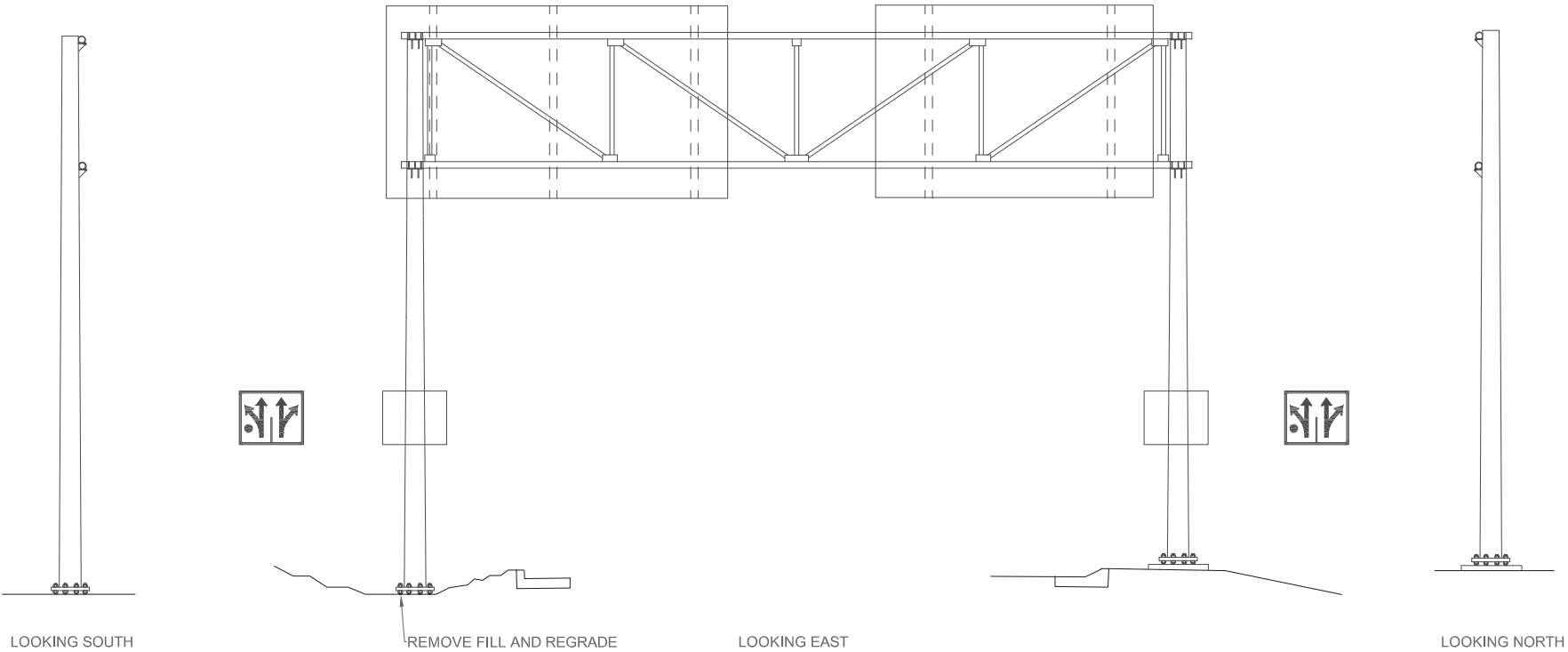
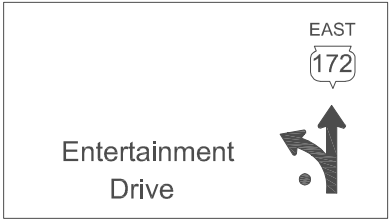
- NONE

TRAFFIC CONTROL

- LEFT LANE CLOSURE PER SDD 15D20

STATE PROJECT NUMBER

1009-30-08



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.20	REMOVE FILL AND REGRADE	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: ZW	CHECKED BY: BS	
S-05-0118			SHEET 13 OF 56
			04/20/2015

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

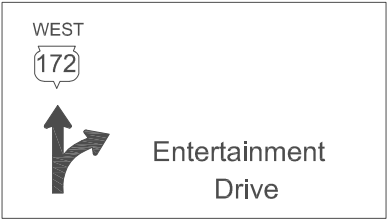
- NONE

TRAFFIC CONTROL

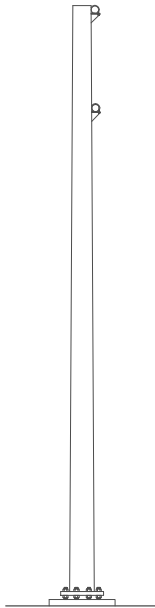
- LEFT LANE CLOSURE PER SDD 15D20

STATE PROJECT NUMBER

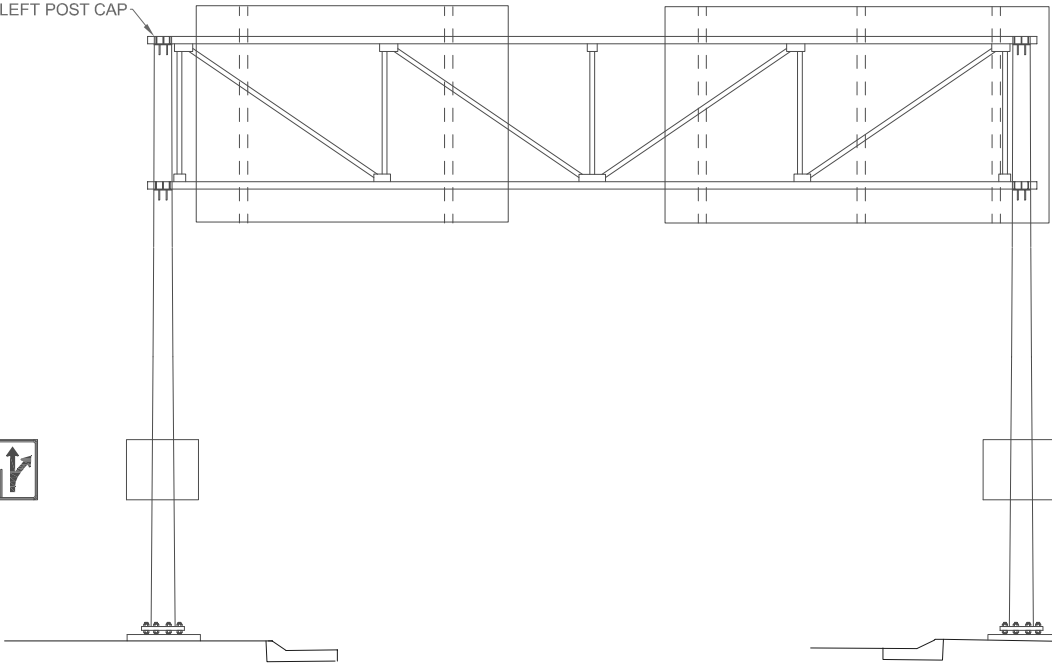
1009-03-08



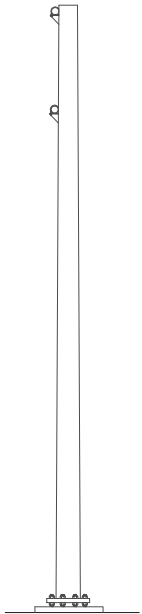
REPLACE LEFT POST CAP



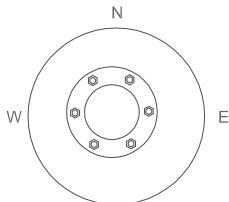
LOOKING SOUTH



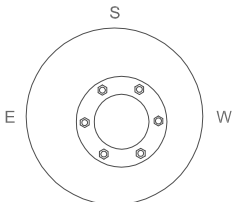
LOOKING EAST



LOOKING NORTH



LEFT FOUNDATION



RIGHT FOUNDATION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.04	SECURE/REPLACE SIGN POST CAP	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	ZW	CHECKED BY: BS
S-05-0119		SHEET 14 OF 56	
		04/20/2015	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

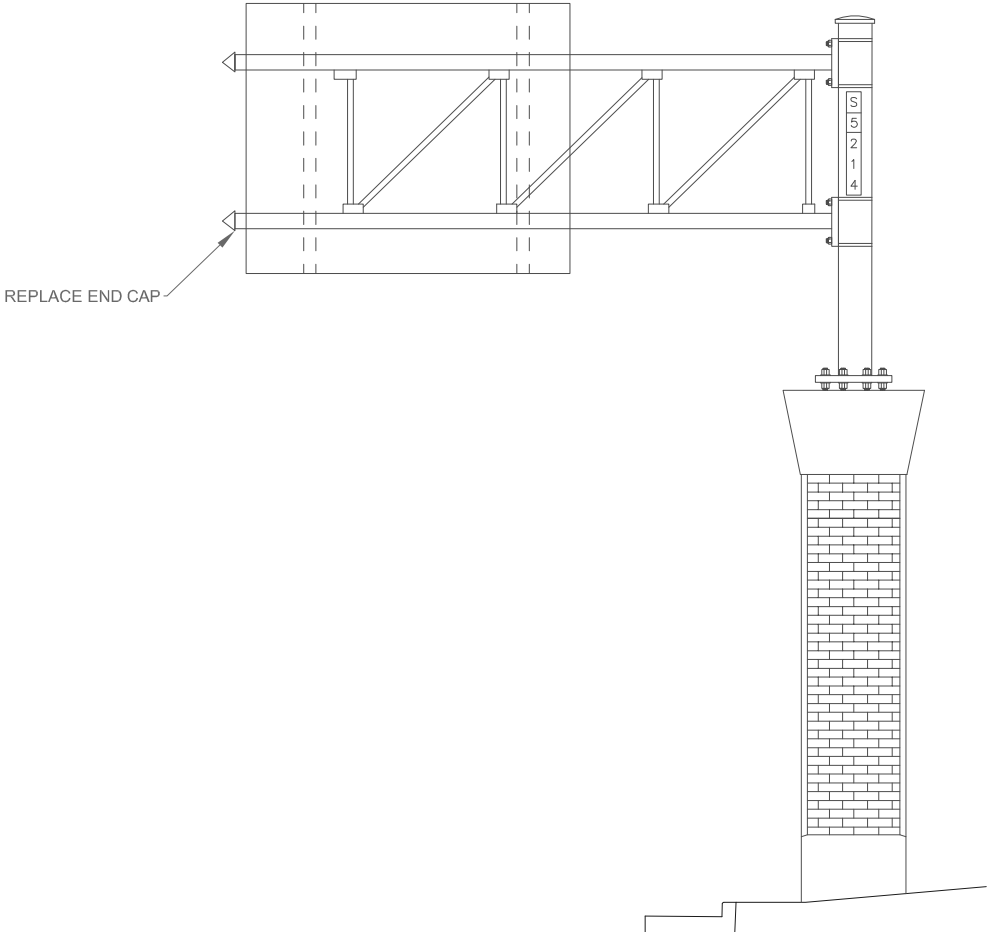
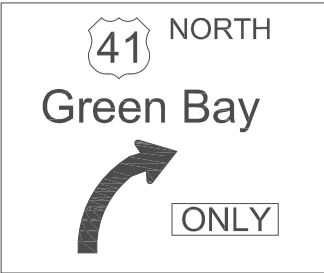
- 7 AM TO 8 PM AND 4PM TO 5PM

TRAFFIC CONTROL

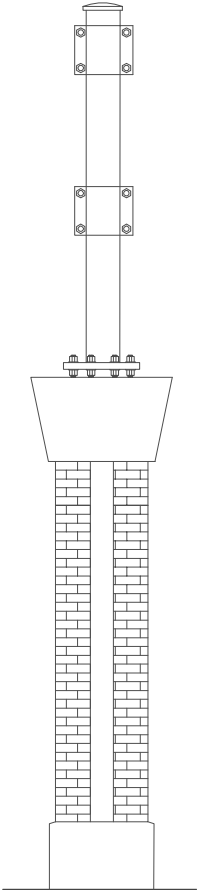
- RIGHT LANE CLOSURE PER SDD 15D12

STATE PROJECT NUMBER

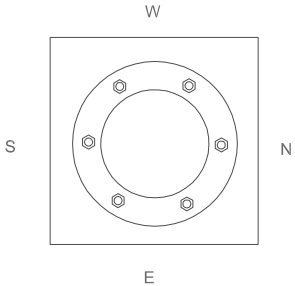
1009-30-08



LOOKING WEST



LOOKING SOUTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.06	REPLACE END CAP	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: ZW	CHECKED BY: BS	
S-05-0214			SHEET 15 OF 56 04/20/2015

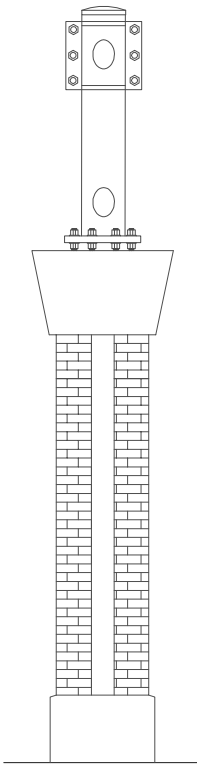
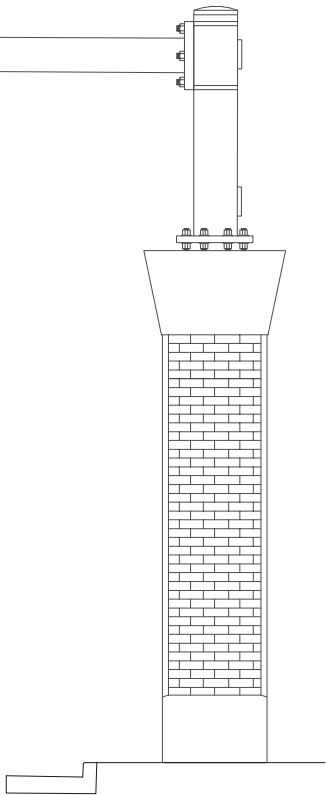
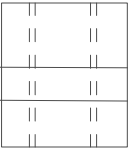
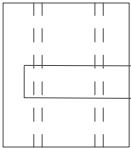
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- 7 AM TO 9 AM AND 2 PM TO 6 PM

TRAFFIC CONTROL
- RIGHT LANE CLOSURES PER SDD 15D12

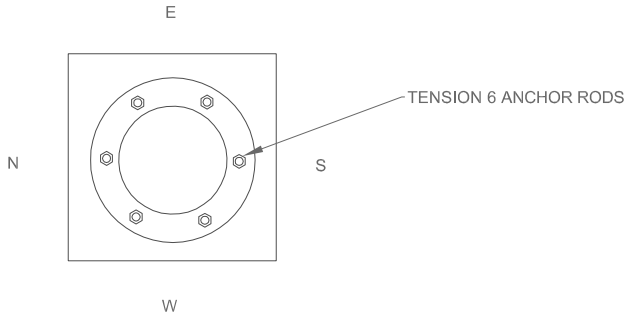
STATE PROJECT NUMBER

1009-30-08



LOOKING EAST

LOOKING NORTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.16	TENSION ANCHOR ROD	6 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: ZW	CHECKED BY: BS	
S-05-0278			SHEET 16 OF 56
			04/20/2015

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- 12 PM TO 6 PM ON SUNDAY

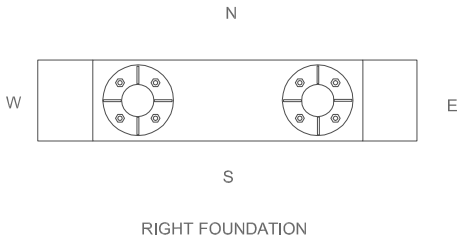
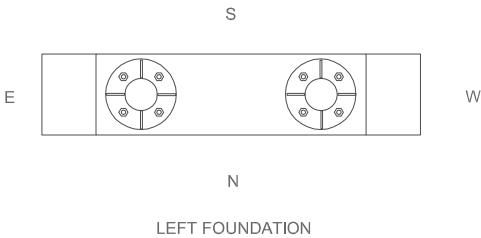
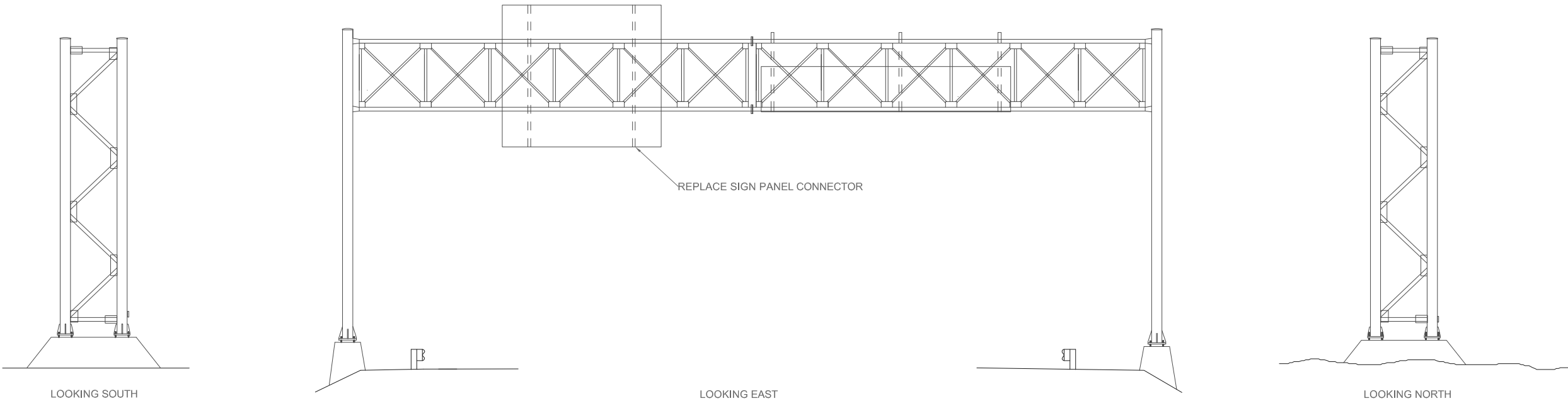
TRAFFIC CONTROL
- LANE CLOSURES PER SDD 15D12 AND SDD 15D16
- RAMP CLOSED ALL TRAFFIC FORCED OFF TO FRONTAGE RD

STATE PROJECT NUMBER

1009-30-08



To Frontage Rd ↗



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	JA	CHECKED BY: BS
S-20-0008		SHEET 17 OF 56	
		05/15/2015	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

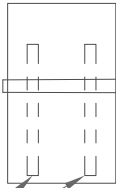
- NONE

TRAFFIC CONTROL

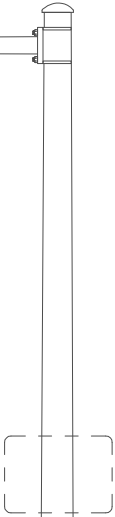
- RIGHT TURN LANE CLOSURE PER SDD 15D15

STATE PROJECT NUMBER

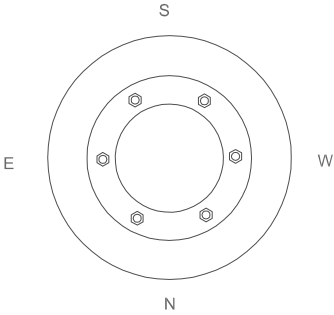
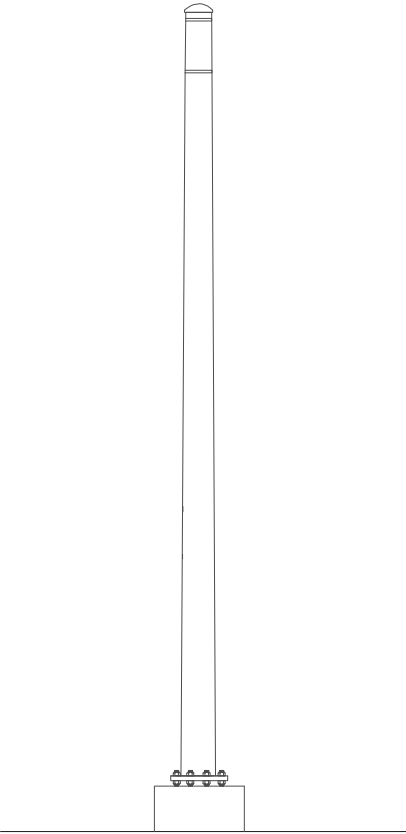
1009-30-09



SLOTTED HOLE REPAIR ON TWO SIGN SUPPORT BRACKETS



WRONG
WAY



LOOKING SOUTH

LOOKING EAST

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	SLOTTED HOLE REPAIR ON SIGN SUPPORT BRACKET	2 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: ZW	CHECKED BY: BS	
S-20-0203			SHEET 18 OF 56
			04/28/2015

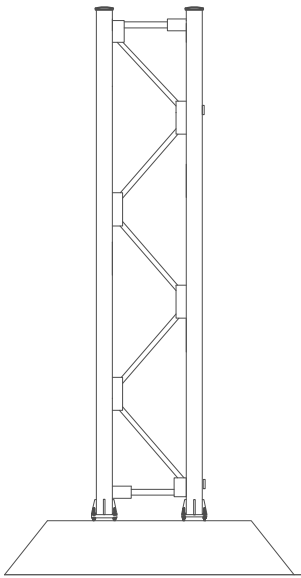
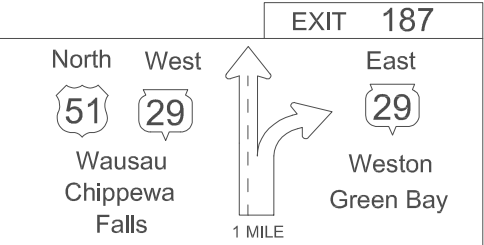
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- ALL DAY FRIDAY THROUGH SUNDAY
- 5 AM TO 9 AM AND 3 PM TO 7 PM MONDAY THROUGH THURSDAY

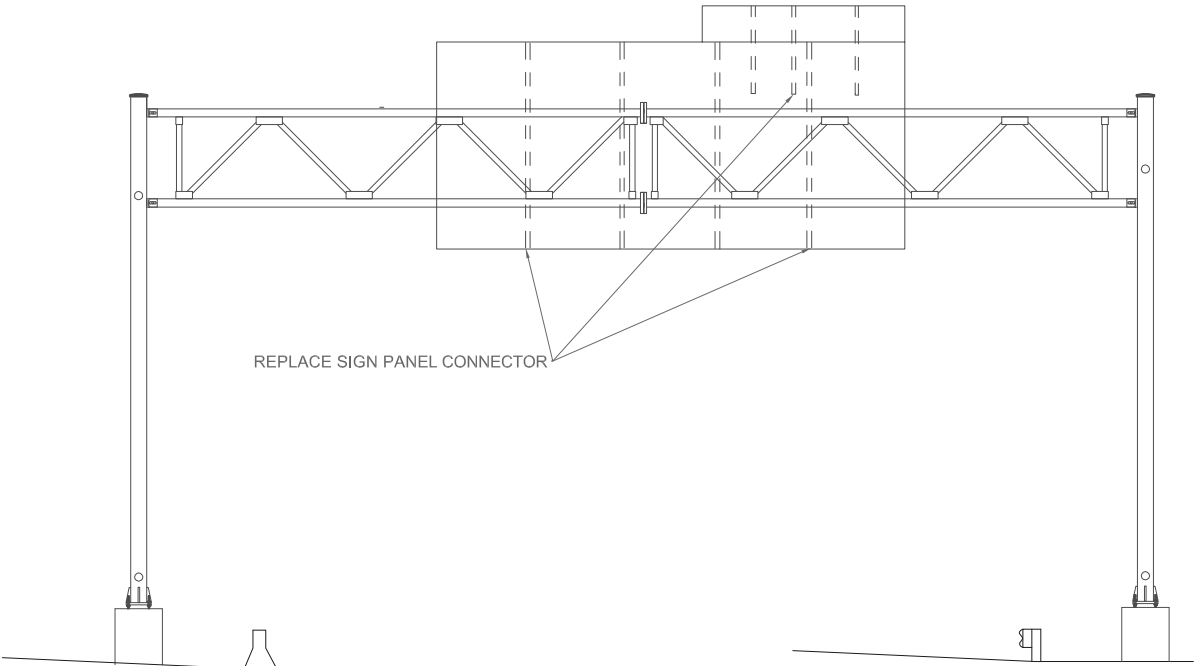
TRAFFIC CONTROL
- LANE CLOSURES PER SDD 15D12

STATE PROJECT NUMBER

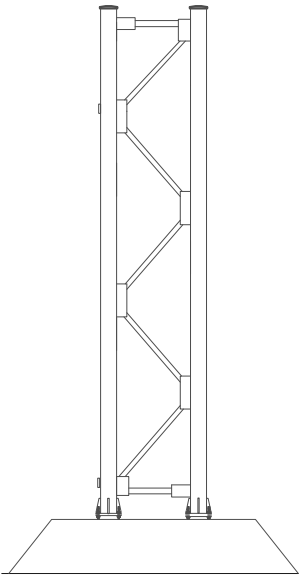
1009-30-08



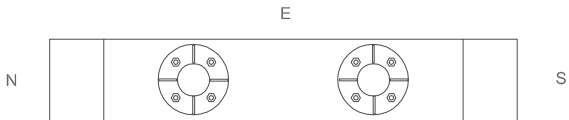
LOOKING EAST



LOOKING NORTH

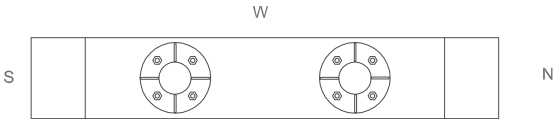


LOOKING WEST



W

LEFT FOUNDATION



E

RIGHT FOUNDATION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	3 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	3 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2012			
CONST. SPEC.	DRAWN BY: ZRW	CHECKED BY: TD	
S-37-0051		SHEET 19 OF 56	
		11/15/2012	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

- 5 AM TO 7 PM

TRAFFIC CONTROL

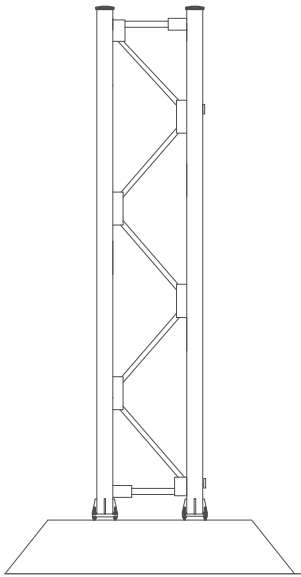
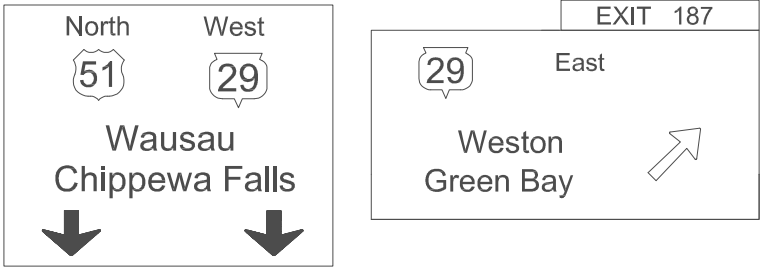
- LANE CLOSURES PER SDD 15D12

- PCMS IN ADVANCE WITH "EXIT 187 / OPEN"

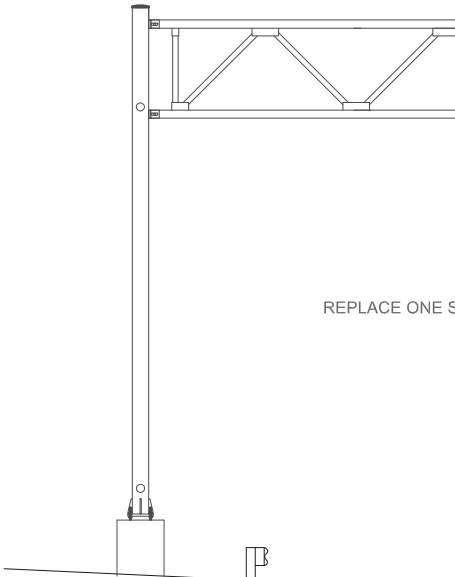
STATIC MESSAGE

STATE PROJECT NUMBER

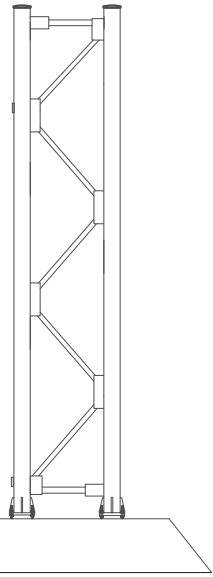
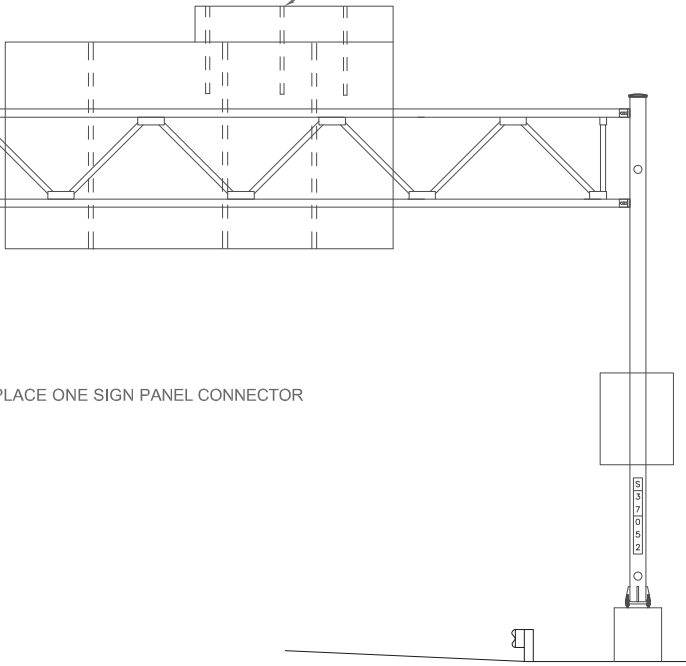
1009-30-08



LOOKING EAST



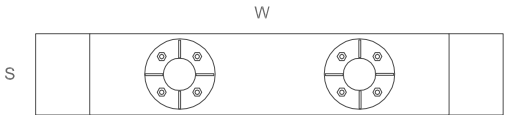
LOOKING NORTH



LOOKING WEST



LEFT FOUNDATION



RIGHT FOUNDATION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	4 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURES	3 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2012			
CONST. SPEC.	DRAWN BY:	ZRW	CHECKED BY: TD
S-37-0052		SHEET 20 OF 56 11/15/2012	

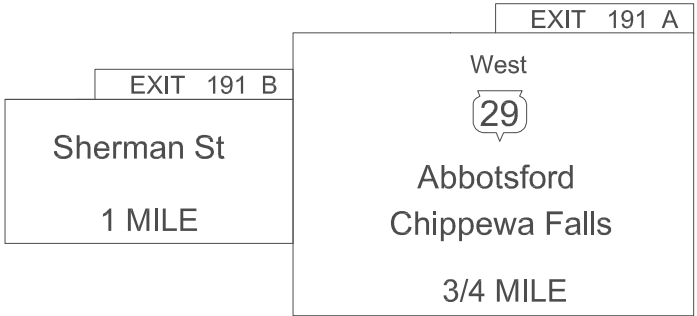
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- ALL DAY FRIDAY THROUGH SUNDAY
- 5 AM TO 9 AM AND 3 PM TO 7 PM MONDAY THROUGH THURSDAY

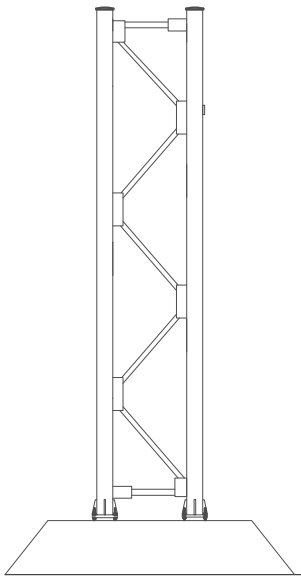
TRAFFIC CONTROL
- LANE CLOSURES PER SDD 15D12

STATE PROJECT NUMBER

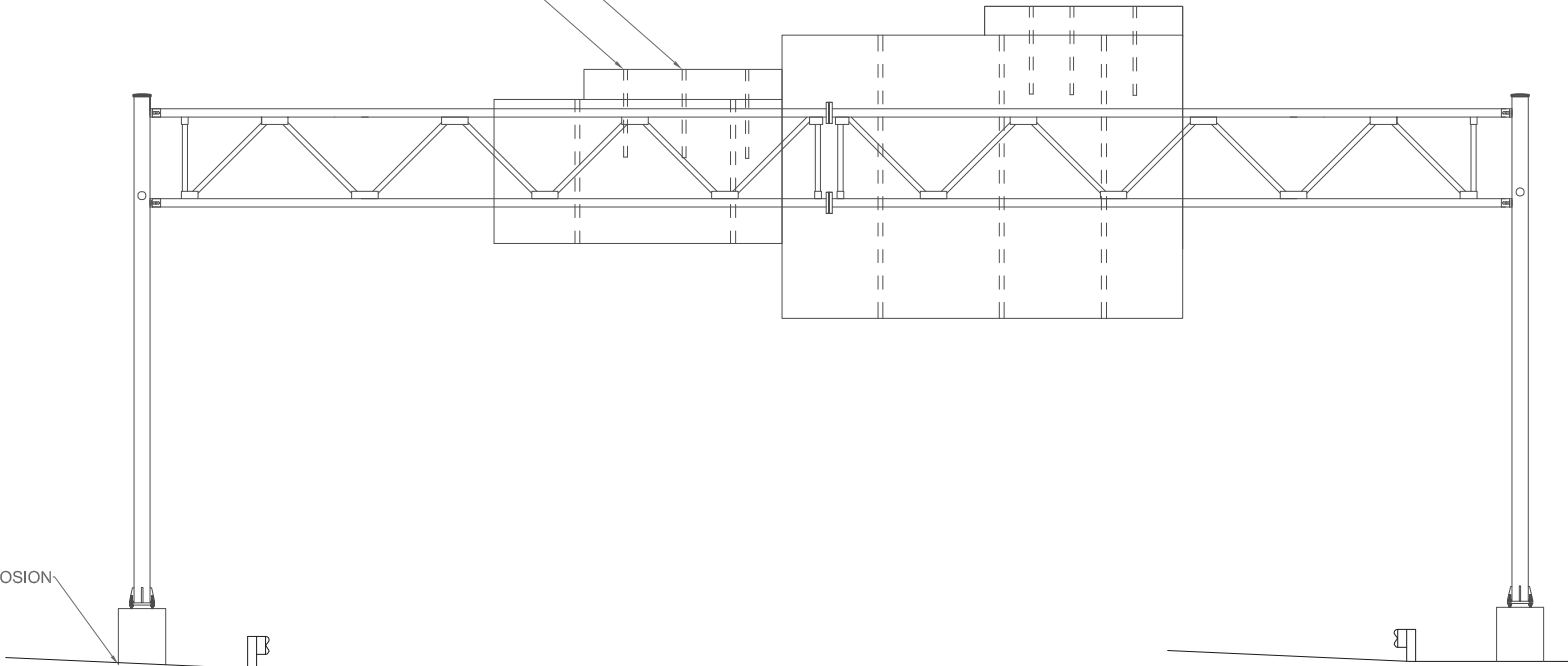
1009-30-08



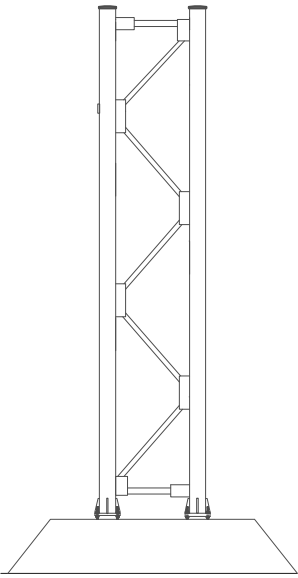
REPLACE ONE SIGN PANEL CONNECTOR
REPLACE ONE SIGN PANEL CONNECTOR



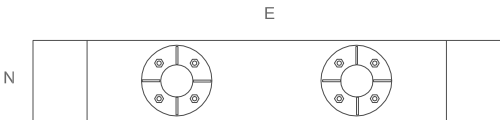
LOOKING EAST



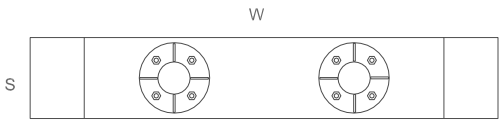
LOOKING NORTH



LOOKING WEST



LEFT FOUNDATION



RIGHT FOUNDATION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.01	FILL EROSION	1 EACH	
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	2 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	2 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2012			
CONST. SPEC.	DRAWN BY:	ZRW	CHECKED BY: TD
S-37-0056		SHEET 21 OF 56	
		11/13/2012	

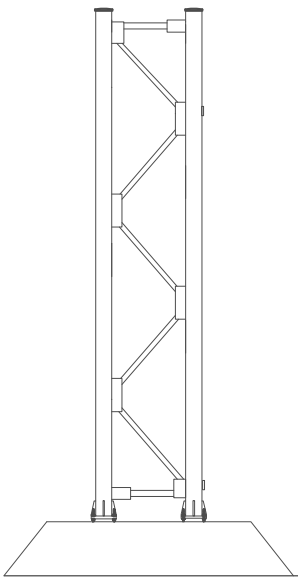
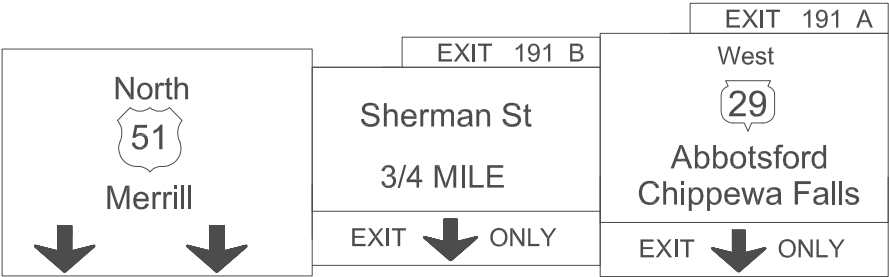
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- ALL DAY FRIDAY THROUGH SUNDAY
- 5 AM TO 9 AM AND 3 PM TO 7 PM MONDAY THROUGH THURSDAY

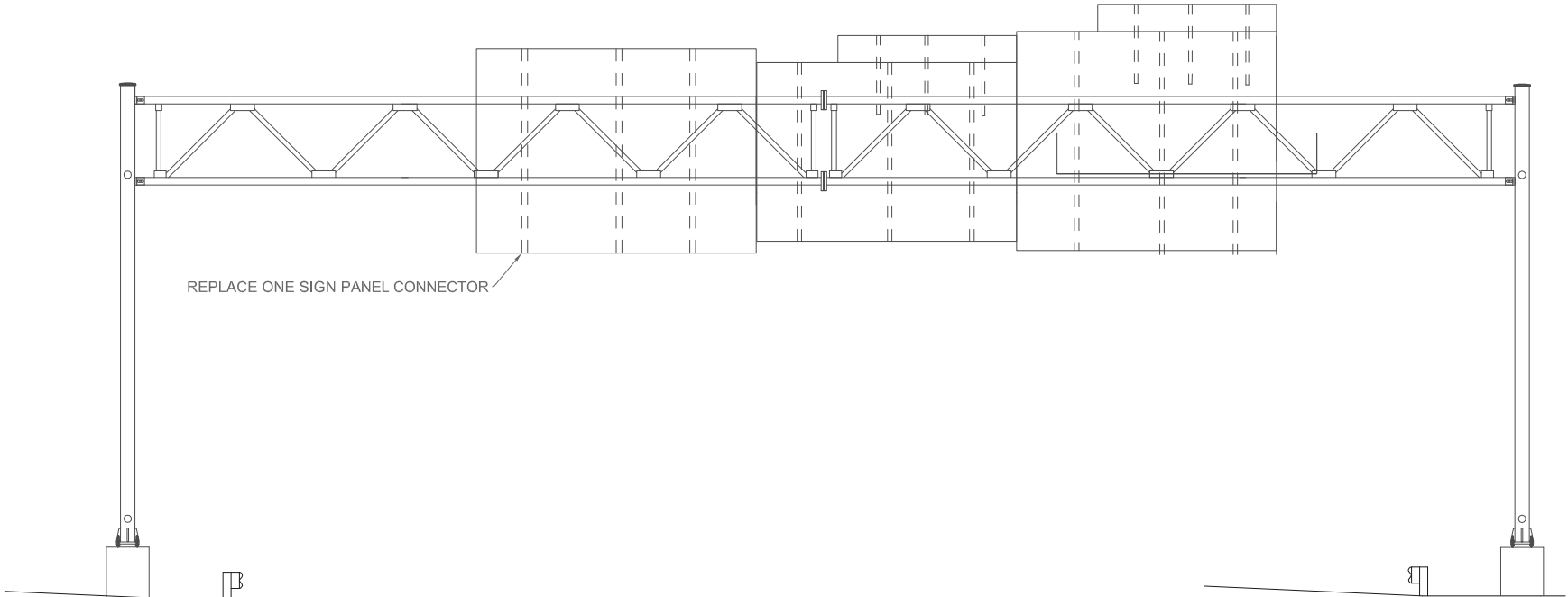
TRAFFIC CONTROL
- LEFT LANE CLOSURE PER SDD 15D12

STATE PROJECT NUMBER

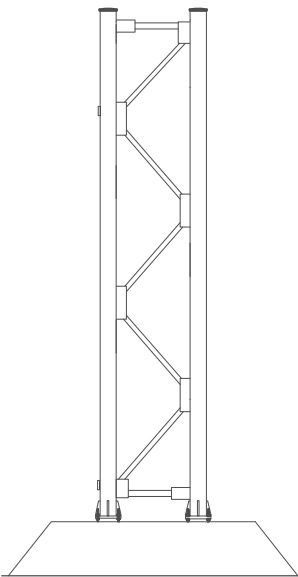
1009-30-08



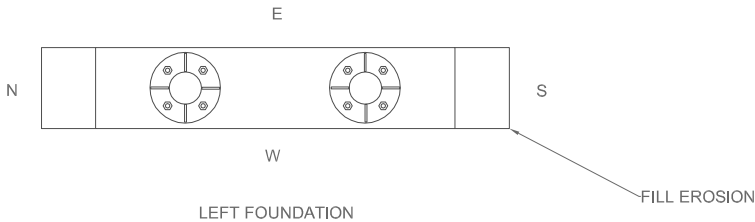
LOOKING EAST



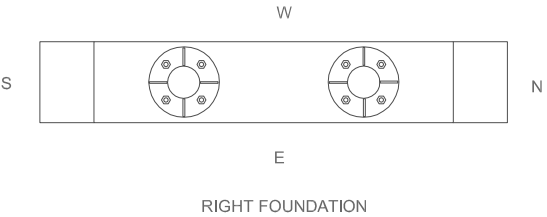
LOOKING NORTH



LOOKING WEST



LEFT FOUNDATION



RIGHT FOUNDATION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2012			
CONST. SPEC.	DRAWN BY: ZRW	CHECKED BY: TD	
S-37-0057		SHEET 22 OF 56	
		11/14/2012	

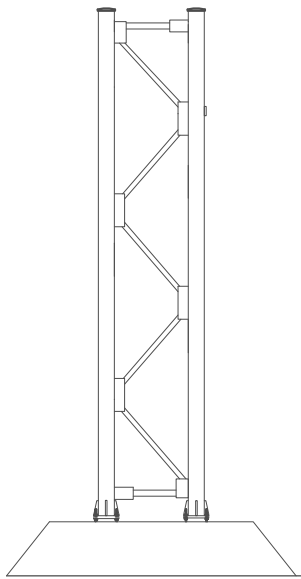
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- ALL DAY FRIDAY THROUGH SUNDAY
- 5 AM TO 9 AM AND 3 PM TO 7 PM MONDAY THROUGH THURSDAY

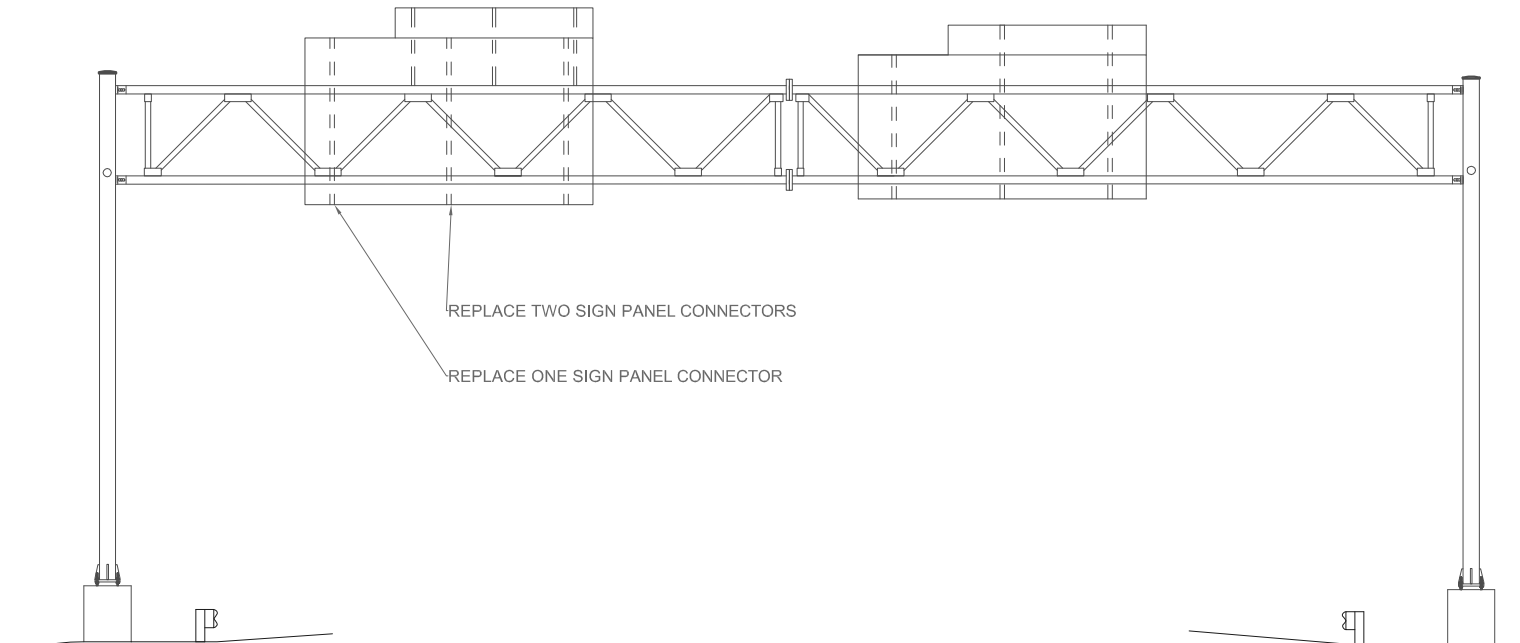
TRAFFIC CONTROL
- LANE CLOSURES PER SDD 15D12

STATE PROJECT NUMBER

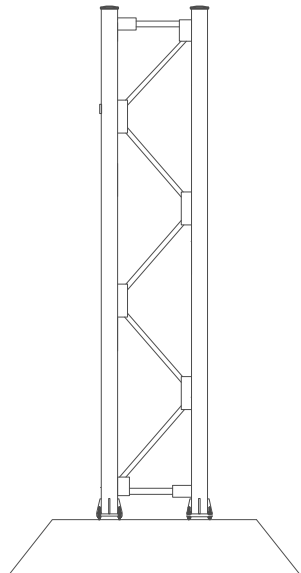
1009-30-08



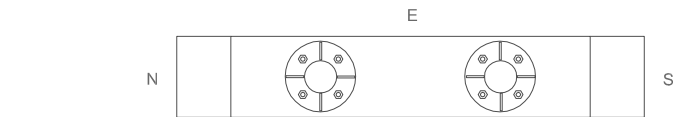
LOOKING EAST



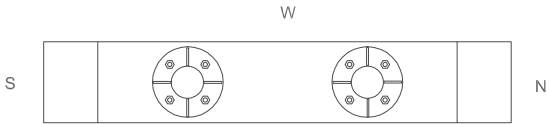
LOOKING NORTH



LOOKING WEST



LEFT FOUNDATION



RIGHT FOUNDATION

8

8

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.01	FILL EROSION	1 EACH	
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	3 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	2 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2012			
CONST. SPEC.	DRAWN BY:	AKR	CHECKED BY: ARF
S-37-0060		SHEET 23 OF 56	
		10/30/2012	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

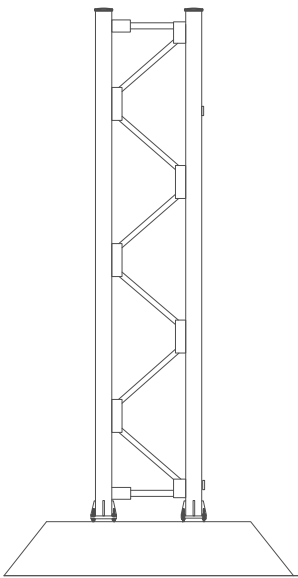
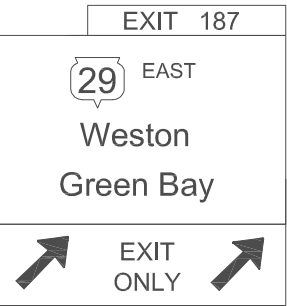
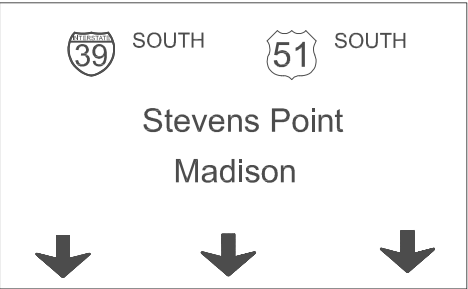
WORK RESTRICTIONS
- NONE

TRAFFIC CONTROL
- CLOSE SHOULDER PER SDD 15D27

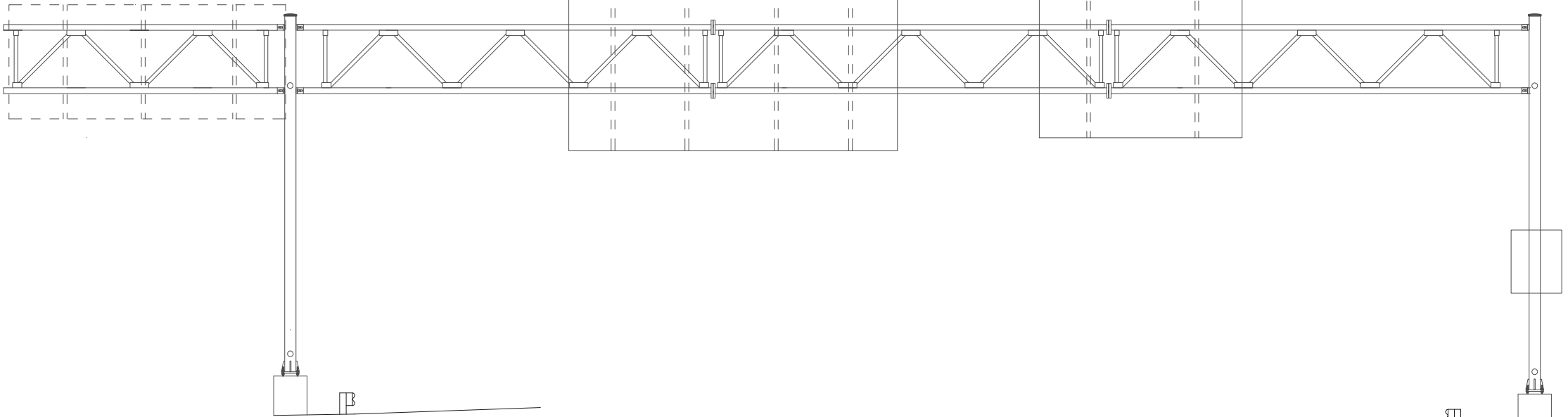
STATE PROJECT NUMBER

1009-30-08

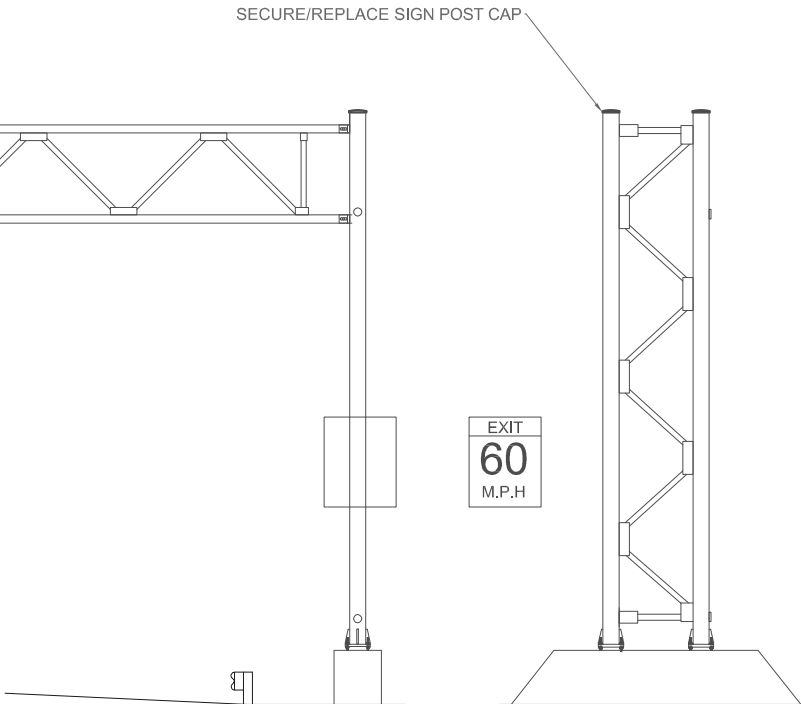
N	Rib Mtn Dr	1/2
NN	North Mtn Rd	2
29	West	3



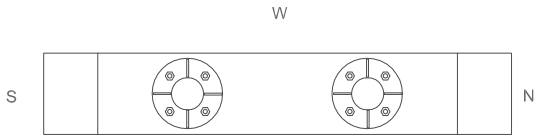
LOOKING WEST



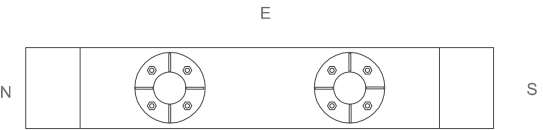
LOOKING SOUTH



LOOKING EAST



LEFT FOUNDATION



RIGHT FOUNDATION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.04	SECURE/REPLACE SIGN POST CAP	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2012			
CONST. SPEC.	DRAWN BY: ZRW	CHECKED BY: TD	
S-37-0076		SHEET 24 OF 56	
		11/13/2012	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

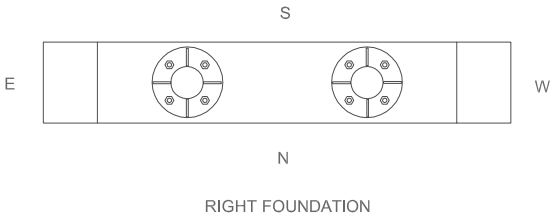
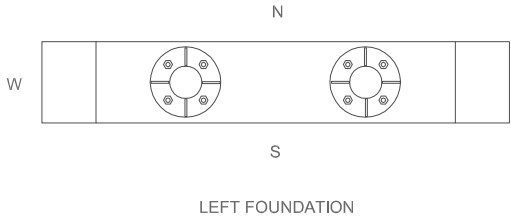
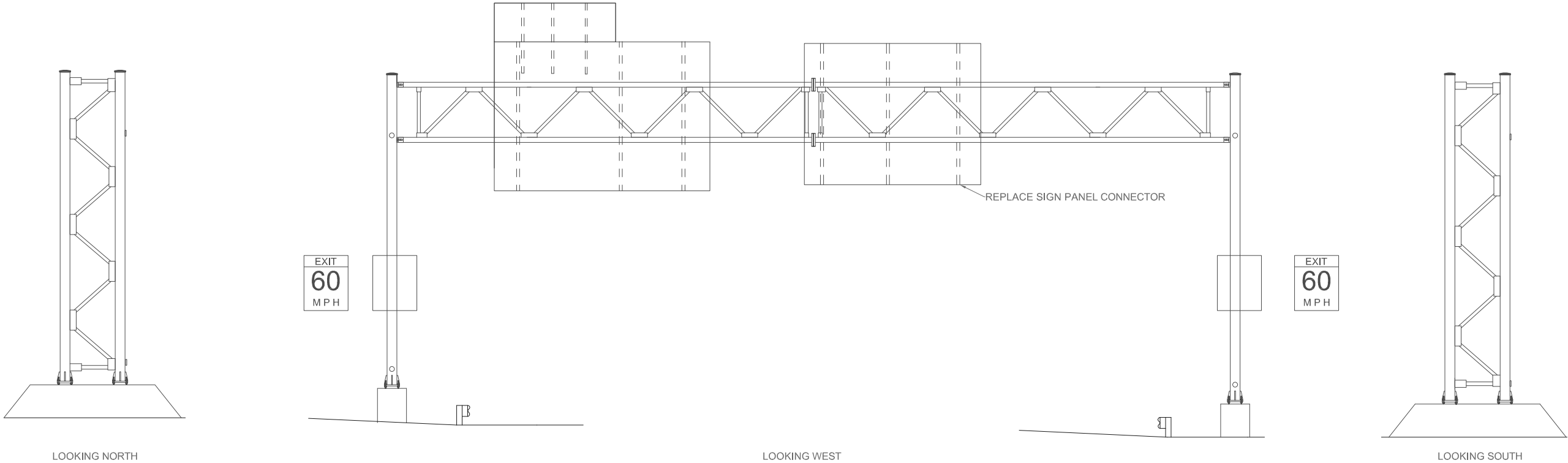
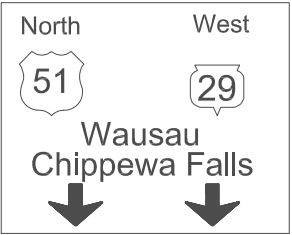
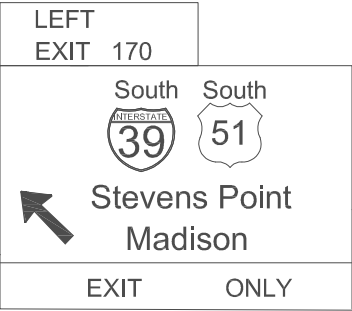
- ALL DAY FRIDAY THROUGH SUNDAY
- 5 AM TO 9 AM AND 3 PM TO 7 PM MONDAY THROUGH THURSDAY

TRAFFIC CONTROL

- LANE CLOSURES PER SDD 15D12
- COORDINATE REPAIR WITH PROJECT NUMBER 1053-02-74 (PROJECT LEADER BLAKE ELSINGER 715.572.36)

STATE PROJECT NUMBER

1009-30-08



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2012			
CONST. SPEC.	DRAWN BY: ZRW	CHECKED BY: TD	
S-37-0079		SHEET 25 OF 56	
		11/15/2012	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

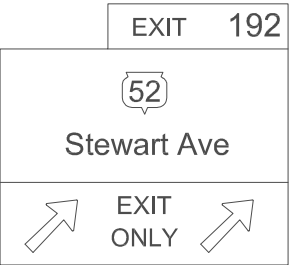
- NONE

TRAFFIC CONTROL

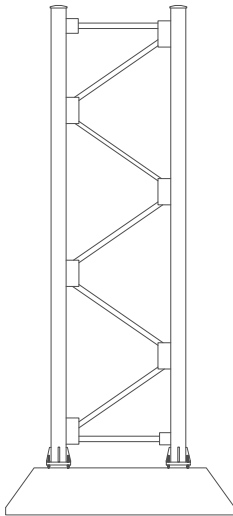
- SHOULDER CLOSURE PER SDD 15D27

STATE PROJECT NUMBER

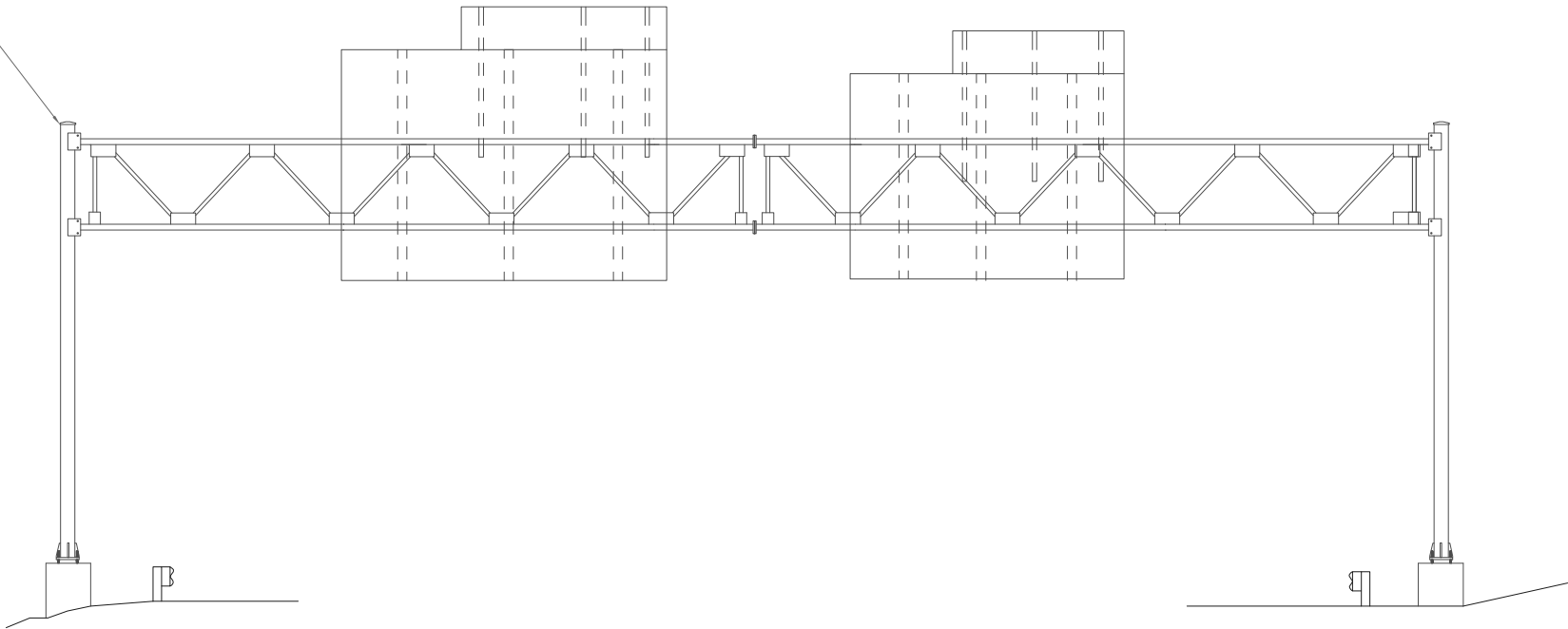
1009-30-08



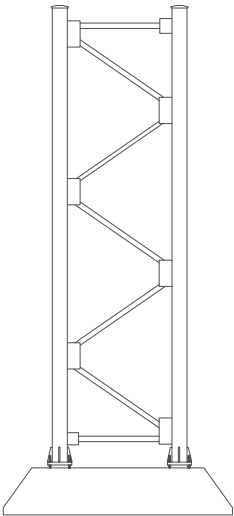
SECURE/REPLACE SIGN POST CAP



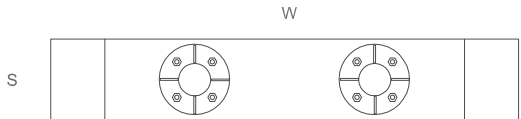
LOOKING WEST



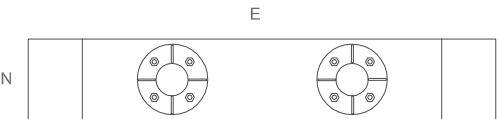
LOOKING SOUTH



LOOKING EAST



LEFT FOUNDATION



RIGHT FOUNDATION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	4 EACH	
SPV.0060.04	SECURE/REPLACE SIGN POST CAP	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2014			
CONST. SPEC.	DRAWN BY:	ZW	CHECKED BY: BS
S-37-0082		SHEET 26 OF 56	
		11/14/2014	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

- NONE

TRAFFIC CONTROL

- LANE CLOSURE PER SDD 15D20

STATE PROJECT NUMBER

1009-30-08

ONLY

ONLY

REPLACE CONDUIT PLUGS

LOOKING WEST

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LOOKING SOUTH

ITEM NO.

LIST OF REPAIRS

QUANTITY

REPAIR DETAIL SHEET NO.

SPV.0060.11

REPLACE CONDUIT PLUG

3 EACH

SPV.0060.24

TRAFFIC CONTROL - SINGLE LANE CLOSURE

1 EACH

NO.

DATE

REVISION

BY

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

SIGN STRUCTURE INSPECTIONS 2012

CONST. SPEC.

DRAWN BY: ZRW

CHECKED BY: TD

S-43-0008

SHEET

27 OF 56

11/07/2012

8

8

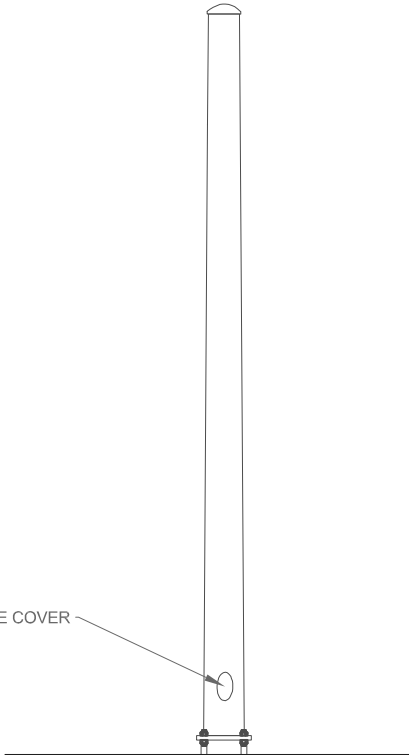
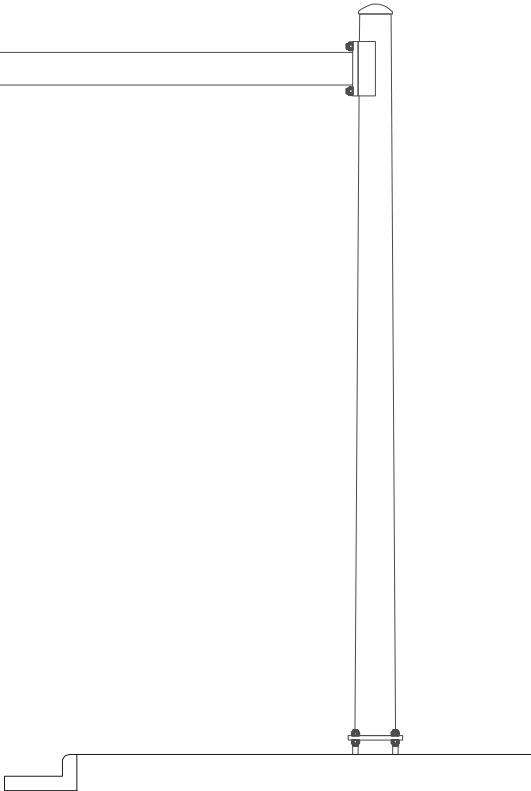
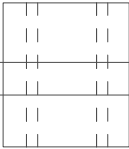
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- NONE

TRAFFIC CONTROL
- NONE

STATE PROJECT NUMBER

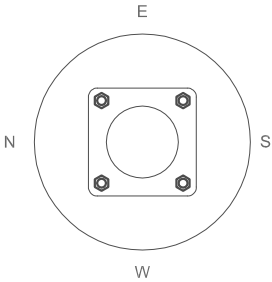
1009-30-08



SECURE/REPLACE HANDHOLE COVER

LOOKING EAST

LOOKING NORTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	SECURE/REPLACE HANDHOLE COVER	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2012			
CONST. SPEC.	DRAWN BY: ZRW	CHECKED BY: TD	
S-43-0015			SHEET 28 OF 56
			11/06/2012

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

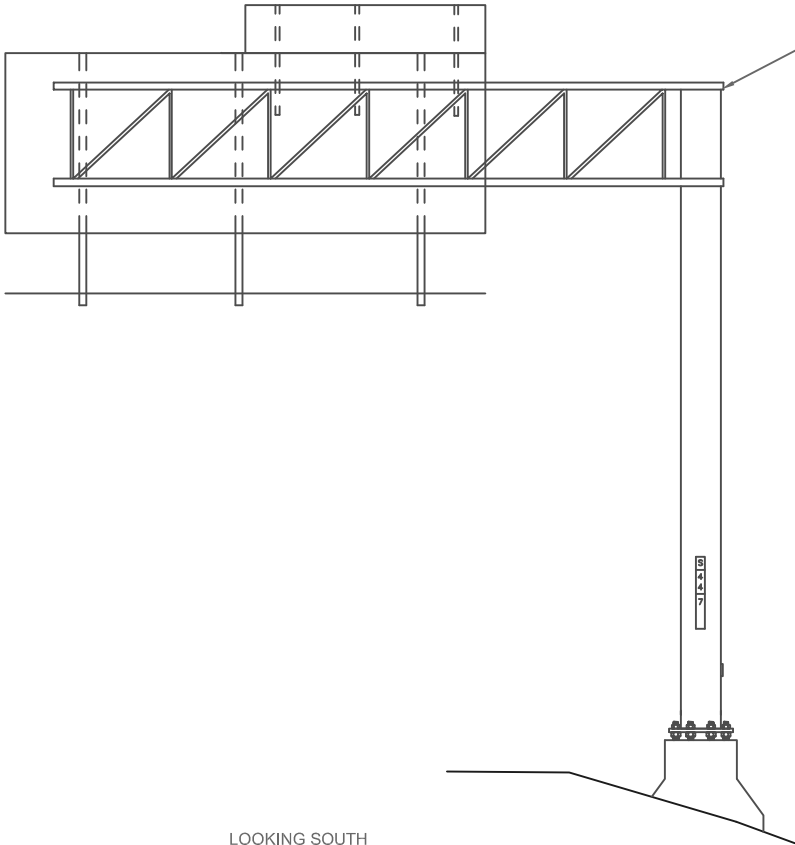
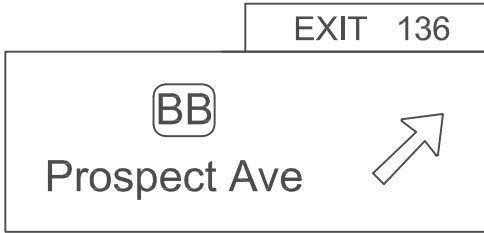
- NONE

TRAFFIC CONTROL

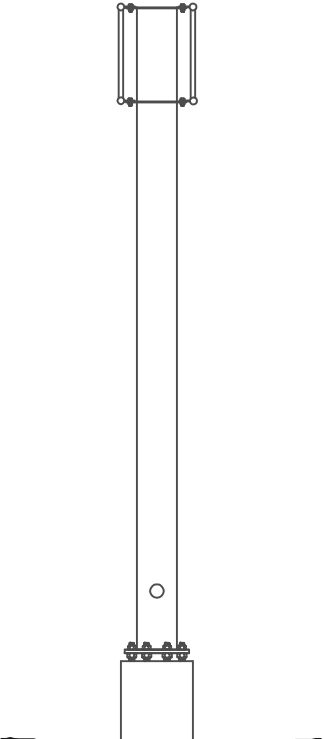
- RIGHT SHOULDER CLOSURE SDD 15D27

STATE PROJECT NUMBER

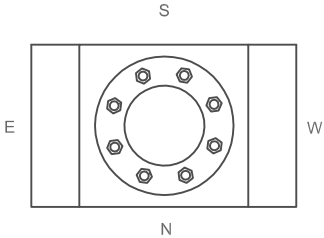
1009-30-08



LOOKING SOUTH



LOOKING EAST



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.08	TENSION POST TO TRUSS AND MASTARM CONNECTION BOLTS	32 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2013			
CONST. SPEC.	DRAWN BY: JA	CHECKED BY: BS	
S-44-0007			SHEET
			29 OF 56
			05/14/2013

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

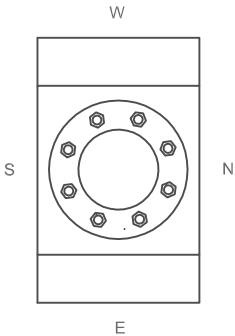
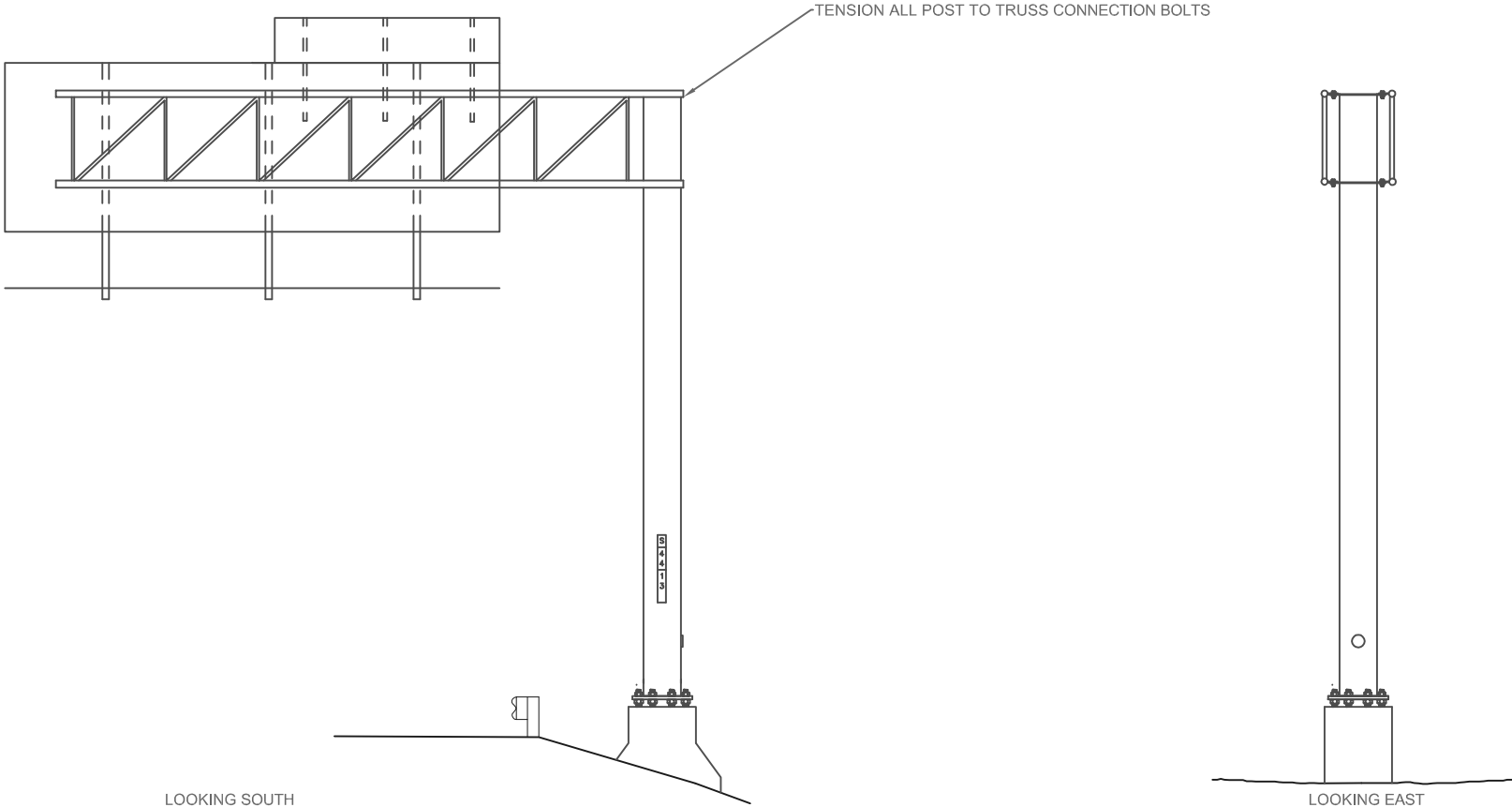
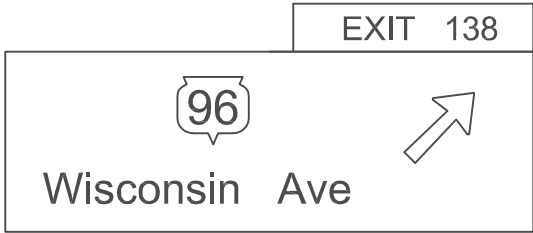
- 6 AM TO 6 PM

TRAFFIC CONTROL

- LANE CLOSURE PER SDD 15D12 AND SDD 15D15

STATE PROJECT NUMBER

1009-30-08



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.08	TENSION POST TO TRUSS AND MASTARM CONNECTION BOLTS	32 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	JA	CHECKED BY: BS
S-44-0013		SHEET 30 OF 56	
		05/14/2015	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

- 6 AM TO 6 PM

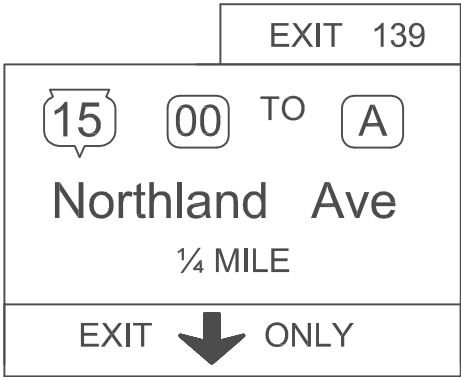
TRAFFIC CONTROL

- RIGHT LANE CLOSURE PER SDD 15D12

- RAMP TO STAY OPEN

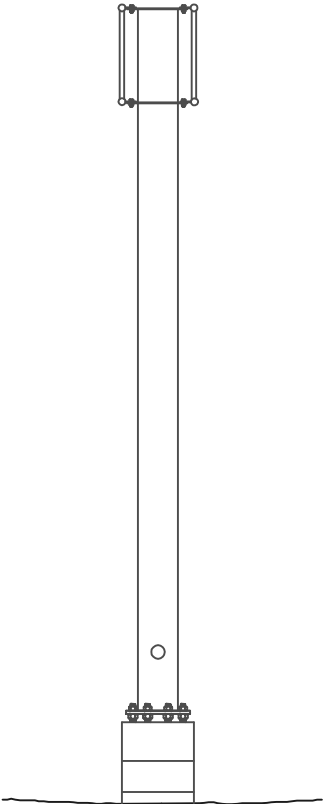
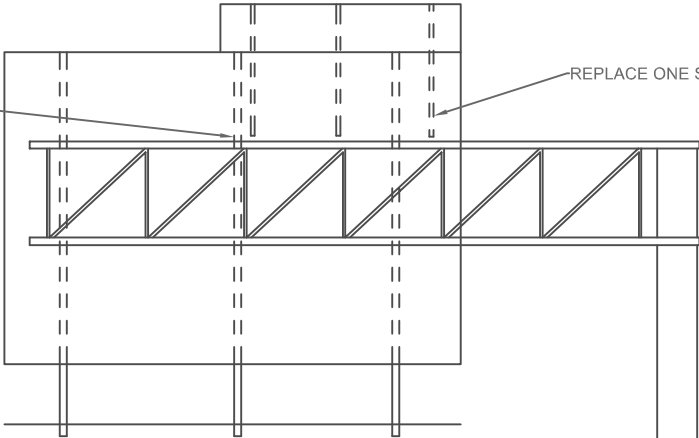
STATE PROJECT NUMBER

1009-30-08



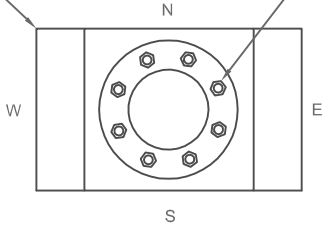
REPLACE UPPER, LEFT U-BOLT ON THE MIDDLE VERTICAL WINDBEAM

REPLACE ONE SIGN PANEL CONNECTOR



REPAIR FOUNDATION

TENSION ALL 8 ANCHOR RODS



LOOKING NORTH

LOOKING WEST

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.	ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	1 EACH		SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	
SPV.0060.16	TENSION ANCHOR ROD	8 EACH					
SPV.0060.17	REPLACE U-BOLT	1 EACH					
SPV.0060.21	REPAIR FOUNDATION	1 EACH					

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	JA	CHECKED BY: BS
S-44-0014		SHEET 31 OF 56	
		05/12/2015	

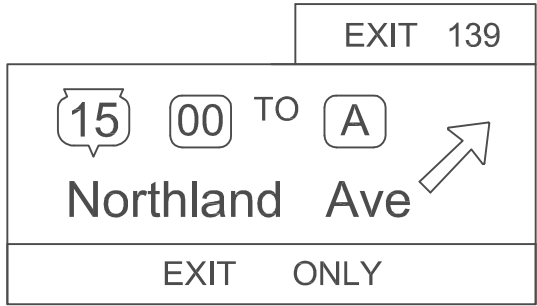
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- 6 AM TO 6 PM

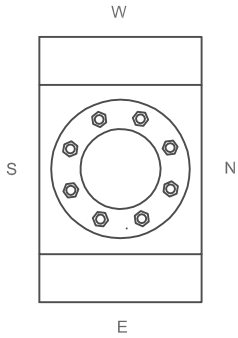
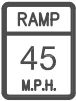
TRAFFIC CONTROL
- RIGHT LANE CLOSURE PER SDD 15D12
- RAMP TO STAY OPEN WITH A STRAIGHT DIVERGE
TAPER IMMEDIATELY AFTER STRUCTURE TO RAMP

STATE PROJECT NUMBER

1009-30-08



REPLACE SIGN PANEL CONNECTOR



LOOKING NORTH

LOOKING WEST

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	JA	CHECKED BY: BS
S-44-0016		SHEET 32 OF 56	
		05/14/2015	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

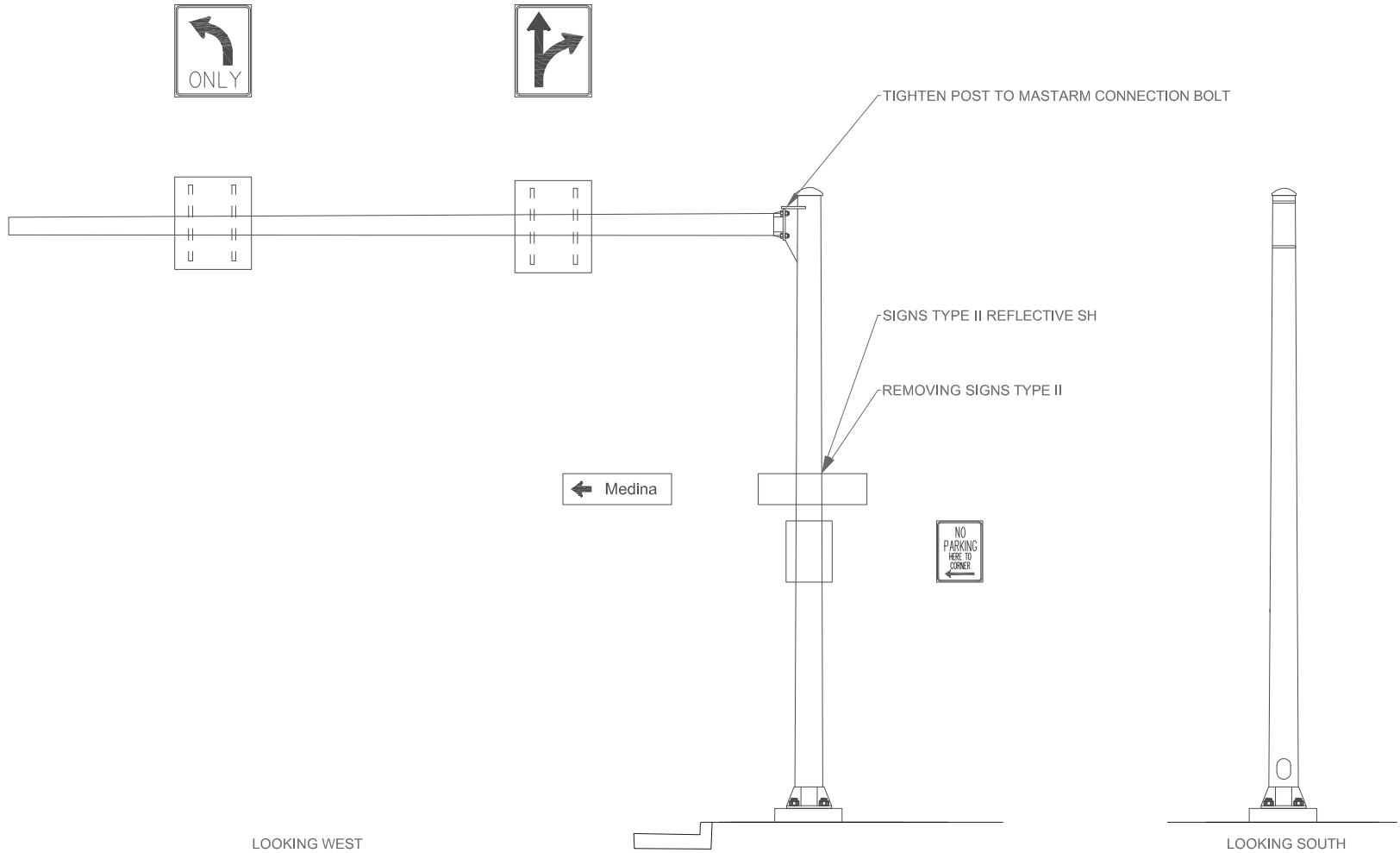
- NONE

TRAFFIC CONTROL

- RIGHT LANE CLOSURE PER SDD 15D12

STATE PROJECT NUMBER

1009-30-08



8

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ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
637.2220	SIGNS TYPE II REFLECTIVE SH	3.5 SF	
638.2602	REMOVING SIGNS TYPE II	1 EACH	
SPV.0060.07	TIGHTEN POST TO MASTARM CONNECTION BOLT	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: ZW	CHECKED BY: BS	
S-44-0017			SHEET 33 OF 56
			04/27/2015

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

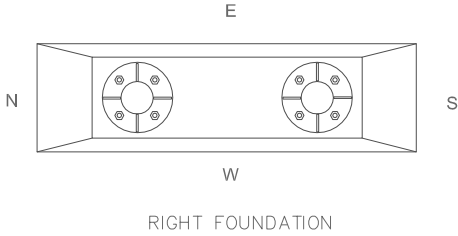
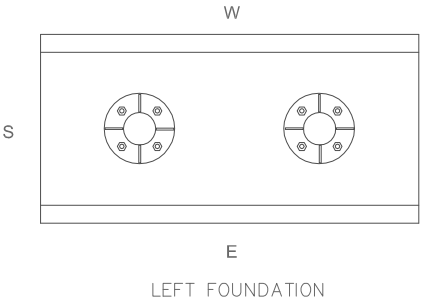
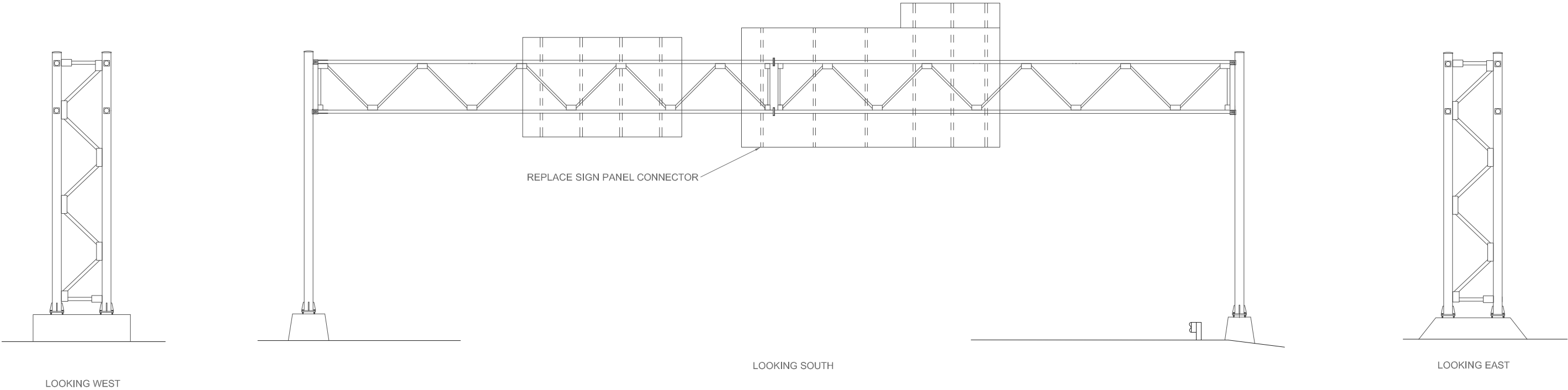
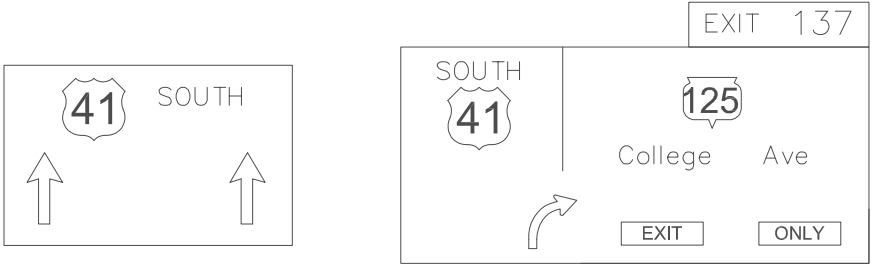
- 6 AM TO 6 PM

TRAFFIC CONTROL

- LANE CLOSURE PER SDD 15D12
- CONTRACTOR TO SUBMIT PROPOSED TRAFFIC CONTROL PLAN TO REGIONAL TRAFFIC FOR APPROVAL
- LANE 3 TO BE CLOSED UPSTREAM AND AT STRUCTURE
- ON RAMP FROM WISCONSIN AVE TO UTILIZE AUX LANE AND MERGE LEFT IMMEDIATELY TO CONTINUE ON I-41

STATE PROJECT NUMBER

1009-30-08



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: JA	CHECKED BY: BS	
S-44-0037			SHEET 34 OF 56 05/14/2015

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

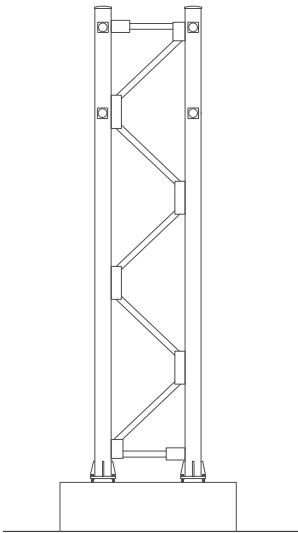
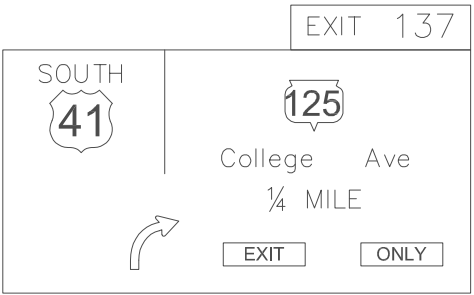
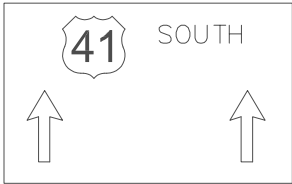
- 6 AM TO 6 PM

TRAFFIC CONTROL

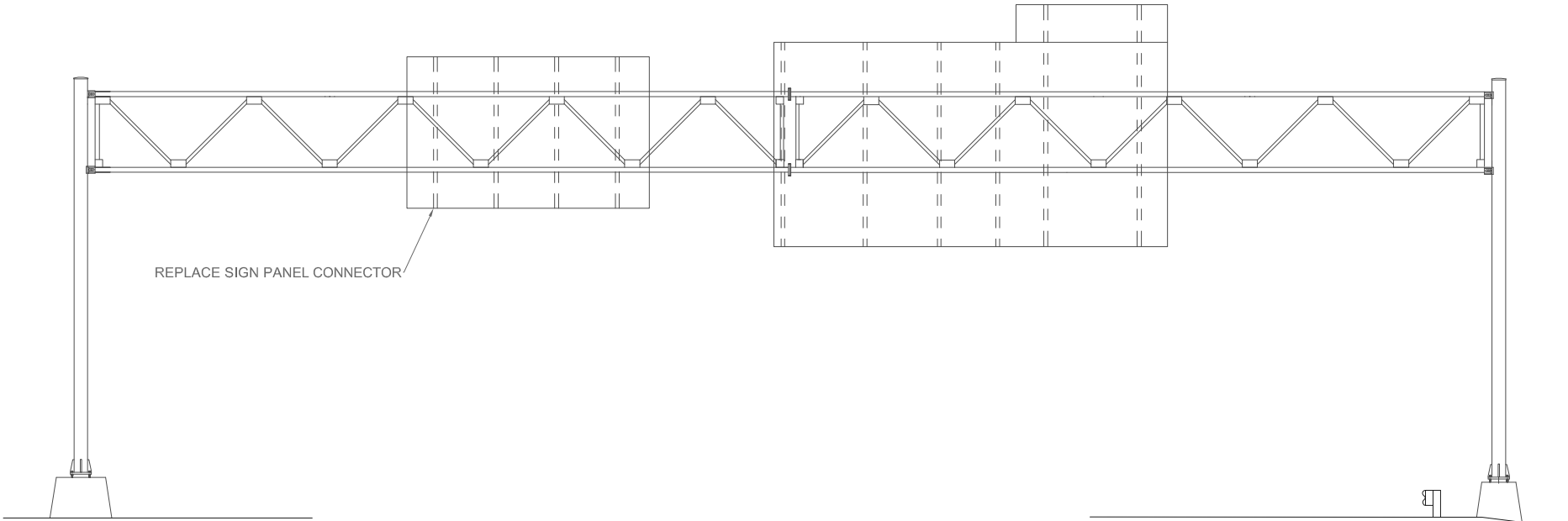
- LEFT LANE CLOSURE PER SDD 15D12

STATE PROJECT NUMBER

1009-30-08

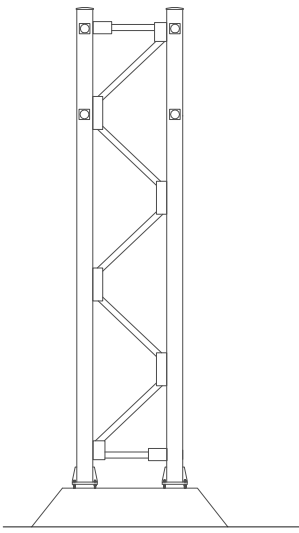


LOOKING WEST

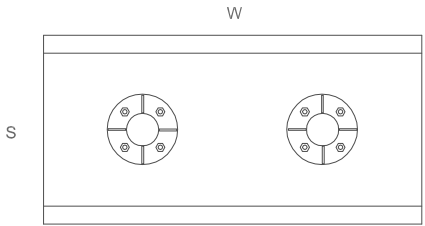


REPLACE SIGN PANEL CONNECTOR

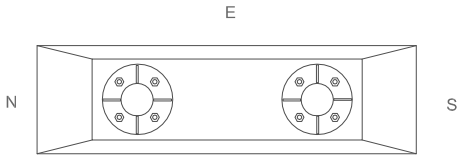
LOOKING SOUTH



LOOKING EAST



LEFT FOUNDATION



RIGHT FOUNDATION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0600.03	REPLACE SIGN PANEL CONNECTOR	1 EACH	
SPV.0600.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: JA	CHECKED BY: BS	
S-44-0038			SHEET 35 OF 56
			05/14/2015

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

- 6 AM TO 6 PM

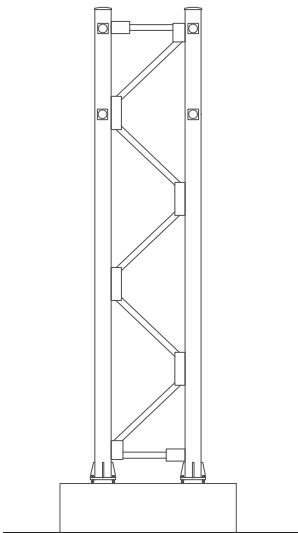
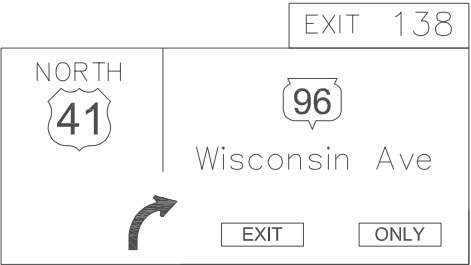
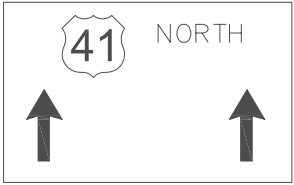
TRAFFIC CONTROL

- LANE 2 CLOSURE PER SDD 15D12

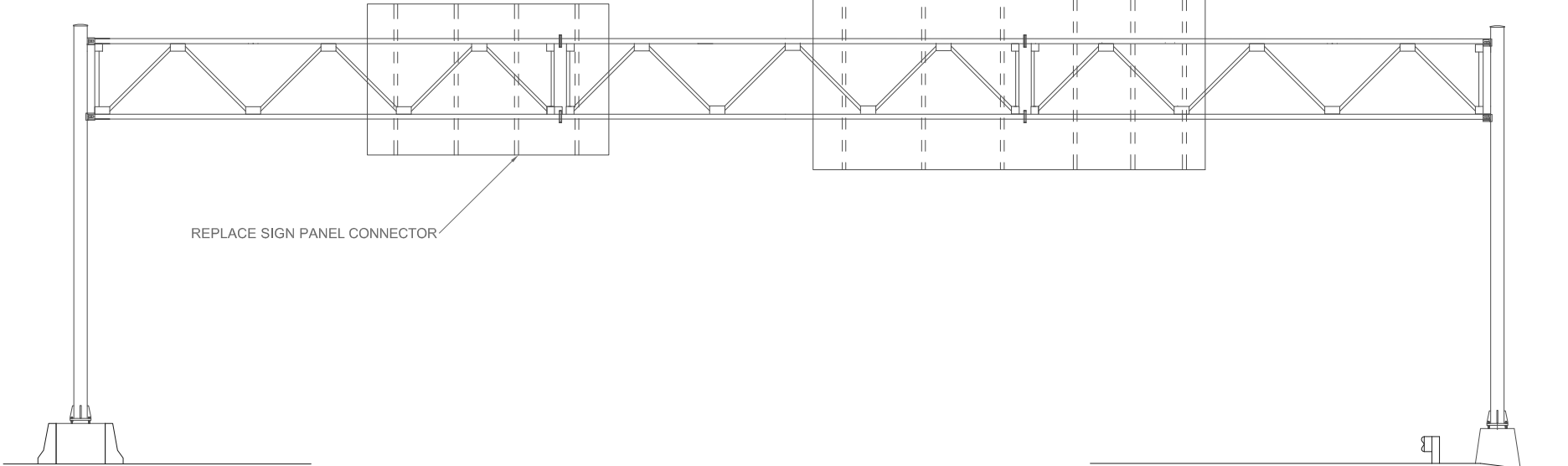
- CONTRACTOR TO SUBMIT PROPOSED TRAFFIC CONTROL PLAN TO REGIONAL TRAFFIC FOR APPROVAL

STATE PROJECT NUMBER

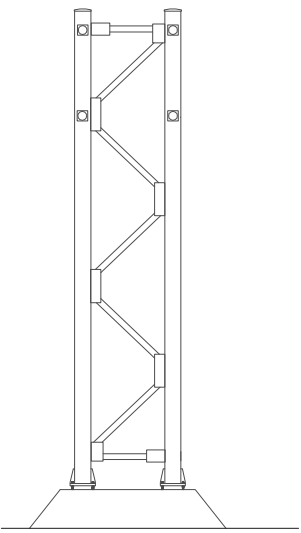
1009-30-08



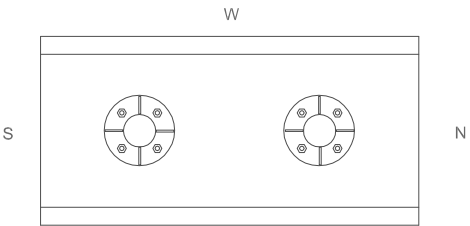
LOOKING EAST



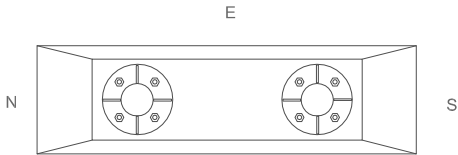
LOOKING NORTH



LOOKING WEST



LEFT FOUNDATION



RIGHT FOUNDATION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: JA	CHECKED BY: BS	
S-44-0039			SHEET 36 OF 56 05/14/2015

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

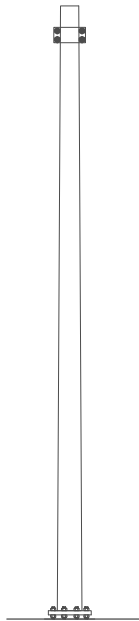
- 6 AM TO 6 PM

TRAFFIC CONTROL

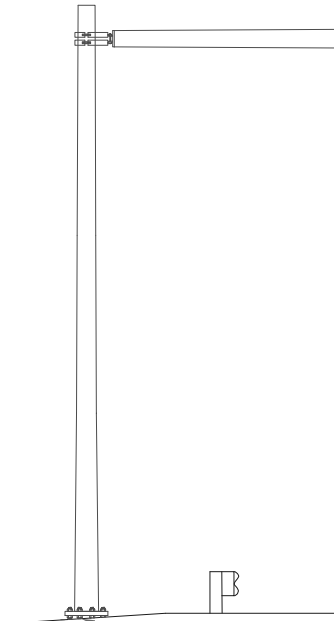
- LANE CLOSURES PER SDD 15D12

STATE PROJECT NUMBER

1009-30-08



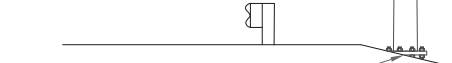
LOOKING EAST



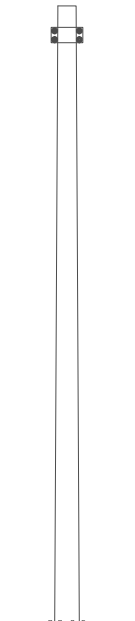
REMOVE FILL AND REGRADE



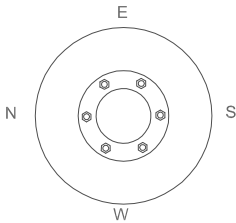
LOOKING NORTH



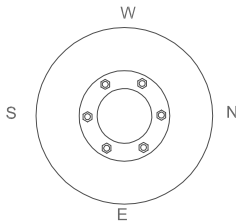
REMOVE FILL AND REGRADE



LOOKING WEST



LEFT FOUNDATION



RIGHT FOUNDATION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.20	REMOVE FILL AND REGRADE	2 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	2 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	ZW	CHECKED BY: BS
S-44-0041		SHEET 37 OF 56	
		04/21/2015	

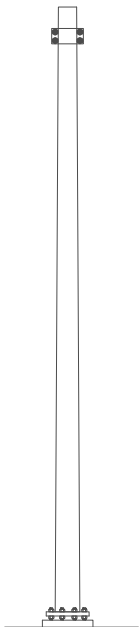
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- 6 AM TO 6 PM

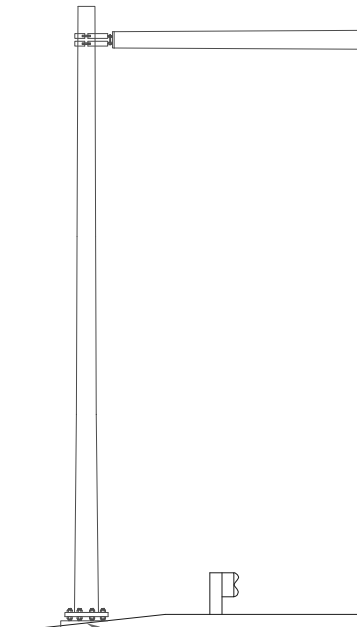
TRAFFIC CONTROL
- LANE CLOSURES PER SDD 15D12

STATE PROJECT NUMBER

1009-30-08

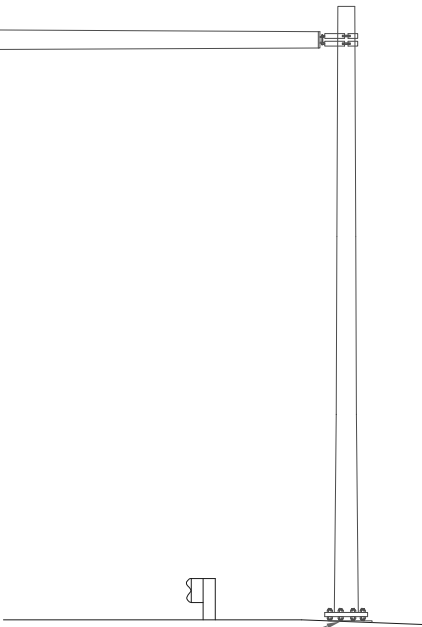


LOOKING WEST

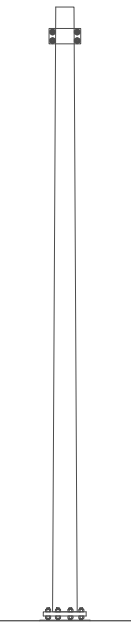


REMOVE FILL AND REGRADE

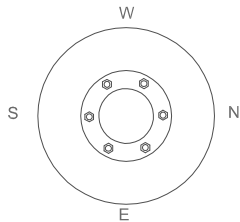
LOOKING SOUTH



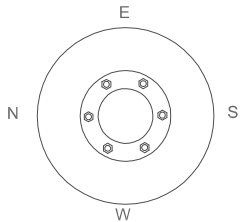
REMOVE FILL AND REGRADE



LOOKING EAST



LEFT FOUNDATION



RIGHT FOUNDATION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.20	REMOVE FILL AND REGRADE	2 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	2 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	ZW	CHECKED BY: BS
S-44-0042		SHEET 38 OF 56	
		04/21/2015	

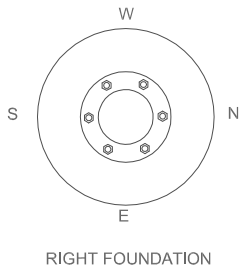
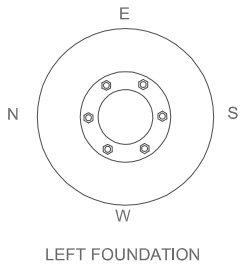
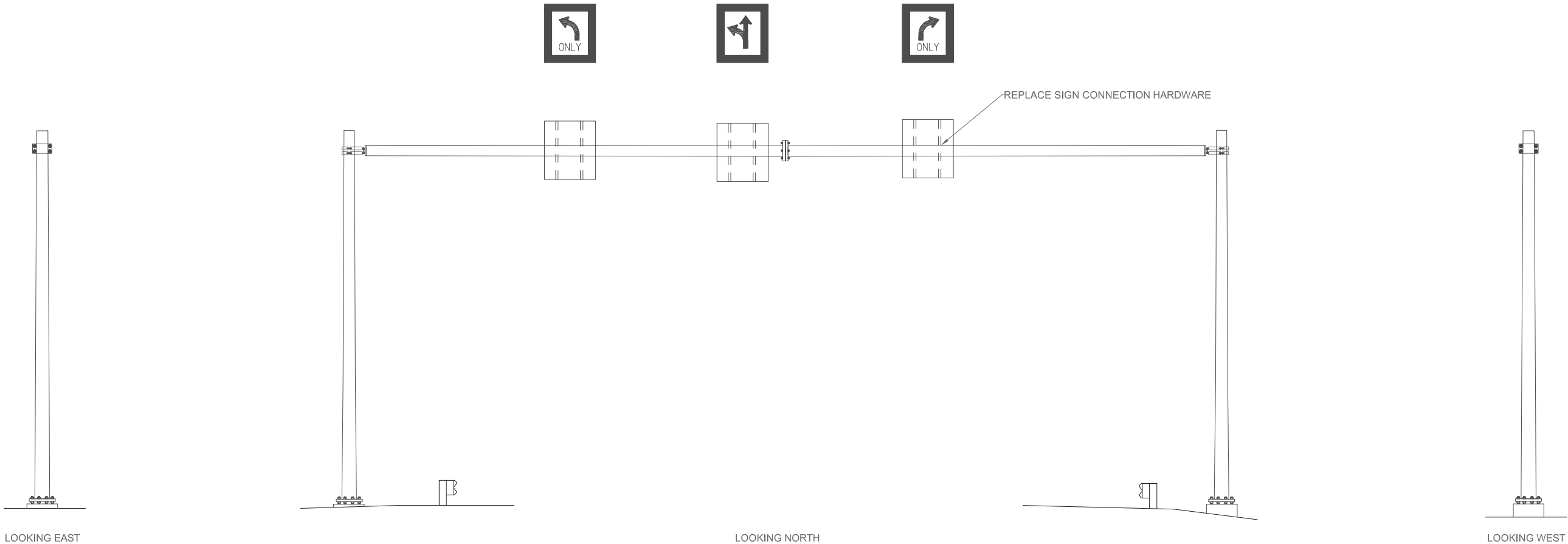
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- 6 AM TO 6 PM

TRAFFIC CONTROL
- RIGHT LANE CLOSURE PER SDD 15D12

STATE PROJECT NUMBER

1009-30-08



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.13	REPLACE SIGN CONNECTION HARDWARE	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	ZW	CHECKED BY: BS
S-44-0043		SHEET 39 OF 56	
		04/21/2015	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

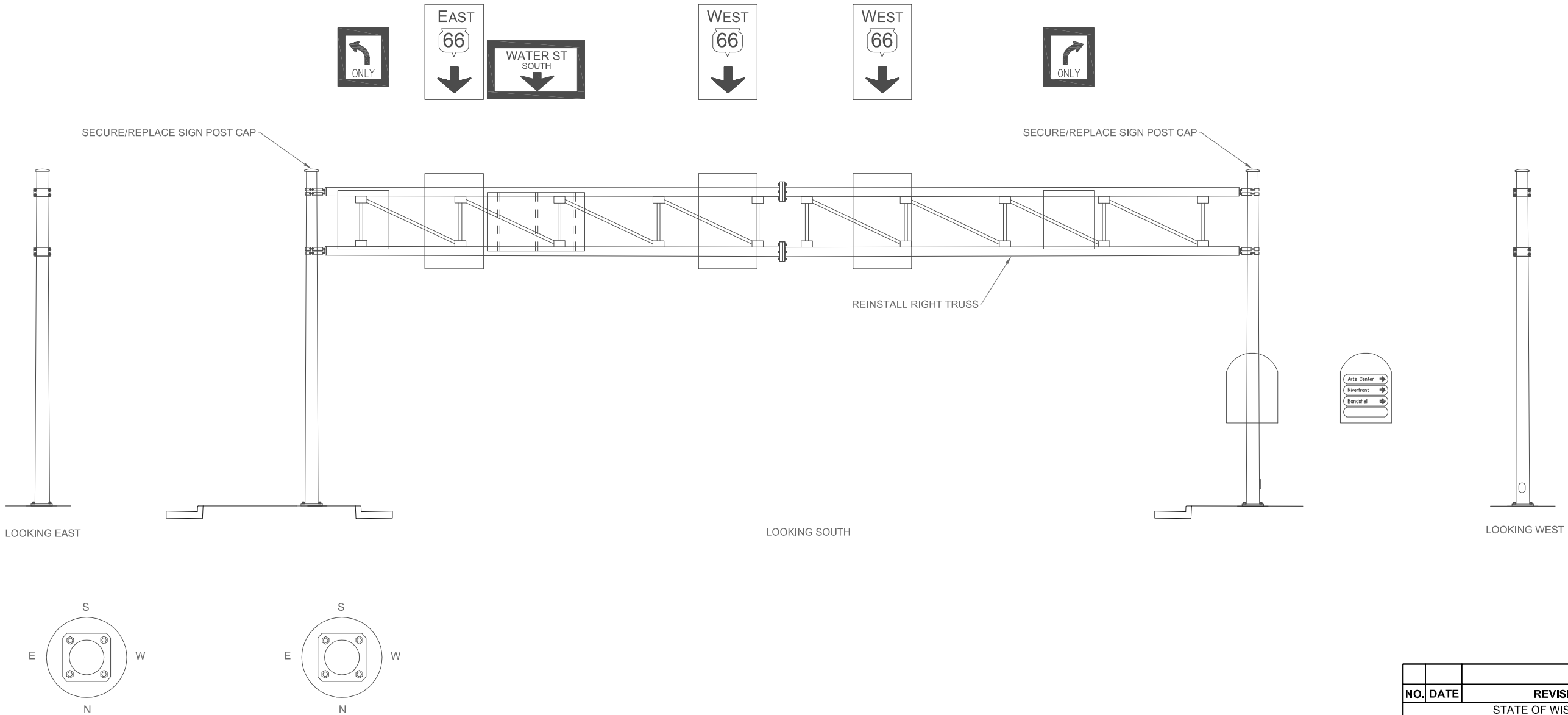
- ALL DAY SATURDAY AND SUNDAY
- 4 AM TO 10 PM MONDAY THROUGH FRIDAY

TRAFFIC CONTROL

- SEE TRAFFIC CONTROL PLAN

STATE PROJECT NUMBER

1009-30-08



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.04	SECURE/REPLACE SIGN POST CAP	2 EACH	
SPV.0060.23	REINSTALL TRUSS (S-49-0011)	1 EACH	
SPV.0105.02	TRAFFIC CONTROL - S-49-0011	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	JA	CHECKED BY: BS
S-49-0011		SHEET 40 OF 56	
		06/10/2015	

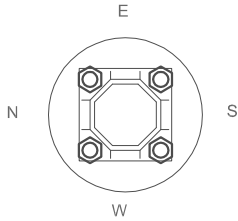
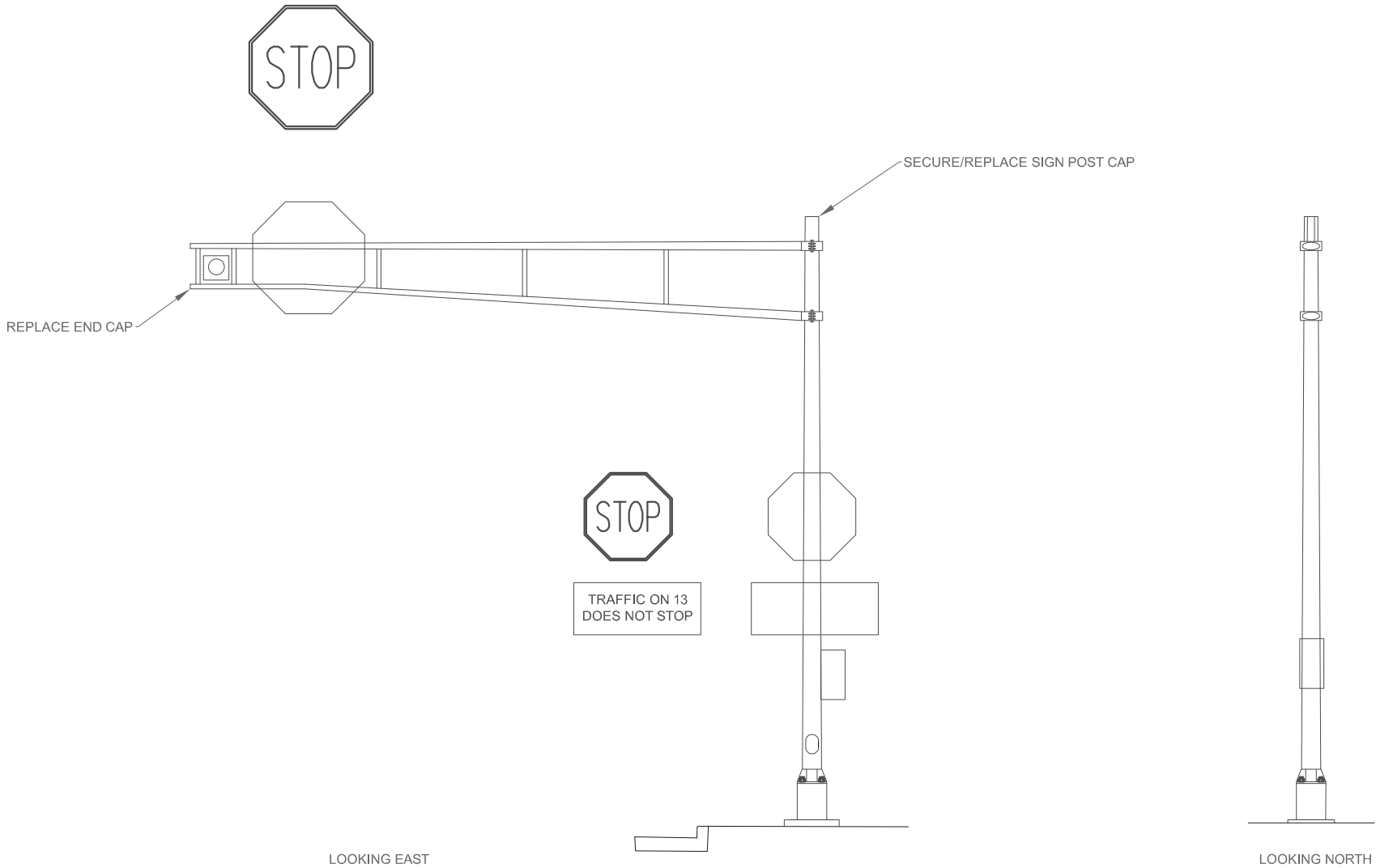
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- NONE

TRAFFIC CONTROL
- SHOULDER CLOSURE PER SDD 15D28
- USE FLAGGER TO FLAG VEHICLES ON APPROACH FOR UP TO 5 MINUTES TO COMPLETE END CAP REPLACEMENT

STATE PROJECT NUMBER

1009-30-08



NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2012			
CONST. SPEC.	DRAWN BY: ZRW	CHECKED BY: TD	
S-50-0003		SHEET 41 OF 56	
		11/07/2012	

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.04	SECURE/REPLACE SIGN POST CAP	1 EACH	
SPV.0060.06	REPLACE END CAP	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

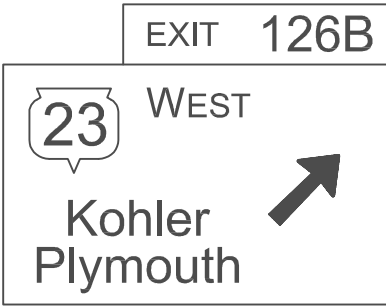
- NONE

TRAFFIC CONTROL

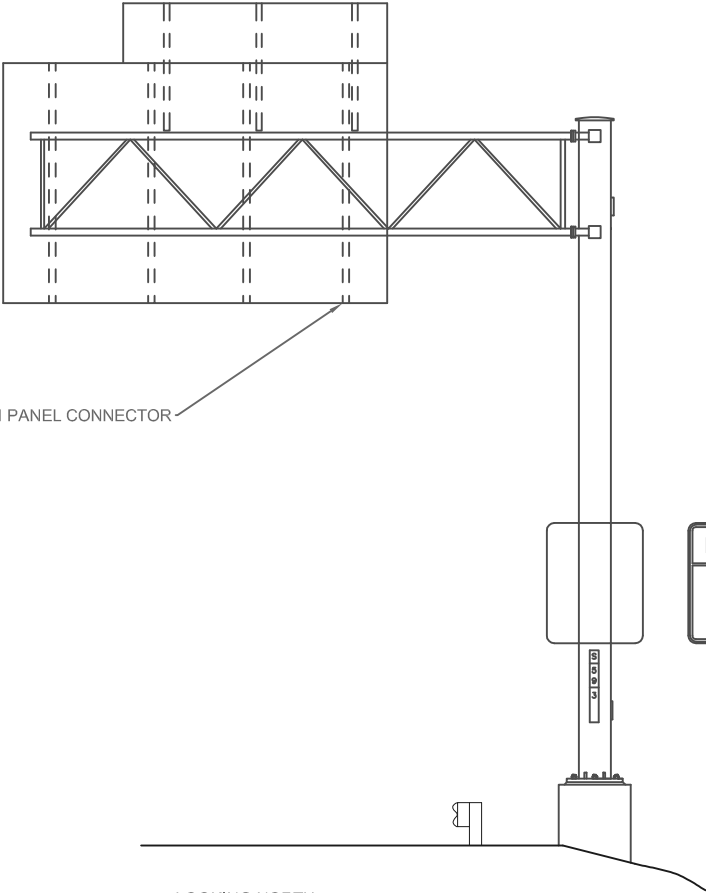
- CLOSE RAMP AUX LANE PER SDD 15D12
- RAMP TO STAY OPEN WITH A STRAIGHT DIVERGE TAPER IMMEDIATELY AFTER STRUCTURE TO RAMP

STATE PROJECT NUMBER

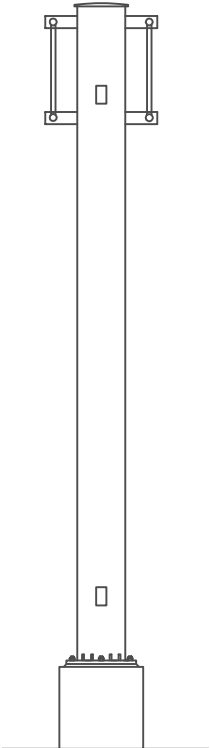
1009-30-08



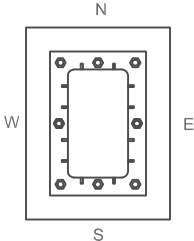
REPLACE SIGN PANEL CONNECTOR



LOOKING NORTH



LOOKING WEST



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	JA	CHECKED BY: BS
S-59-0003		SHEET 42 OF 56	
		05/20/2015	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

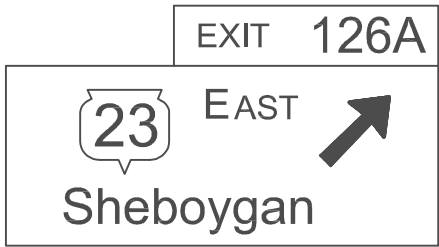
- NONE

TRAFFIC CONTROL

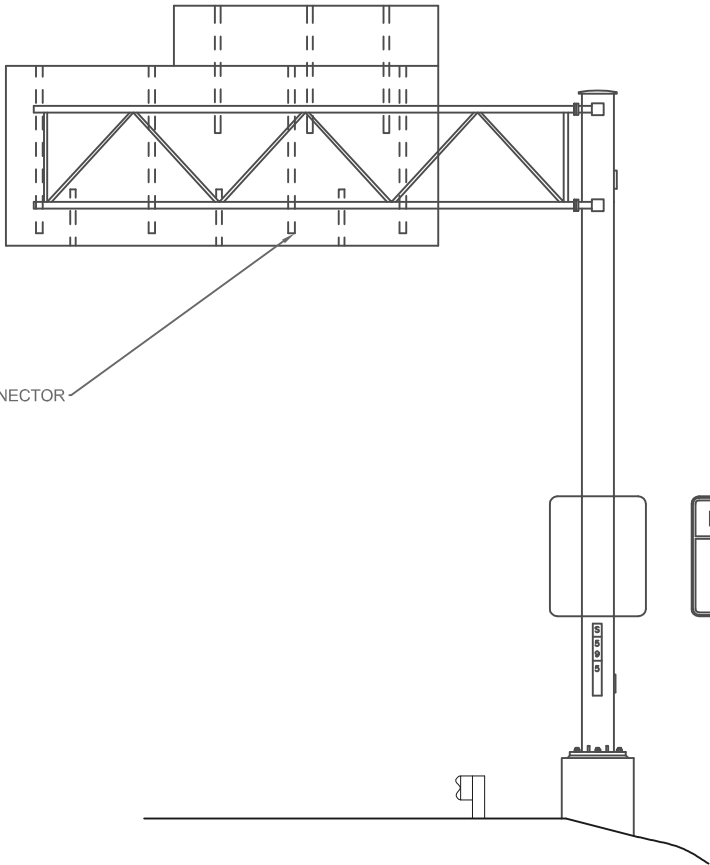
- CLOSE RAMP AUX LANE PER SDD 15D12
- RAMP TO STAY OPEN WITH A STRAIGHT DIVERGE TAPER IMMEDIATELY AFTER STRUCTURE TO RAMP

STATE PROJECT NUMBER

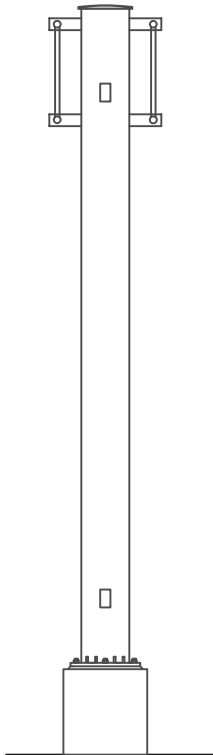
1009-30-08



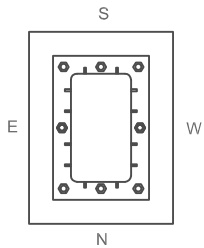
REPLACE SIGN PANEL CONNECTOR



LOOKING SOUTH



LOOKING EAST



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: JA	CHECKED BY: BS	
S-59-0005		SHEET	
		43 OF 56	
		05/20/2015	

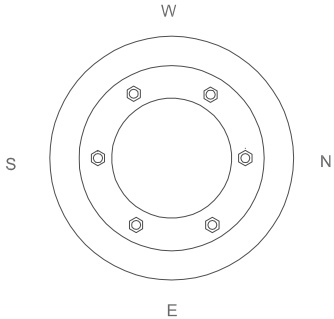
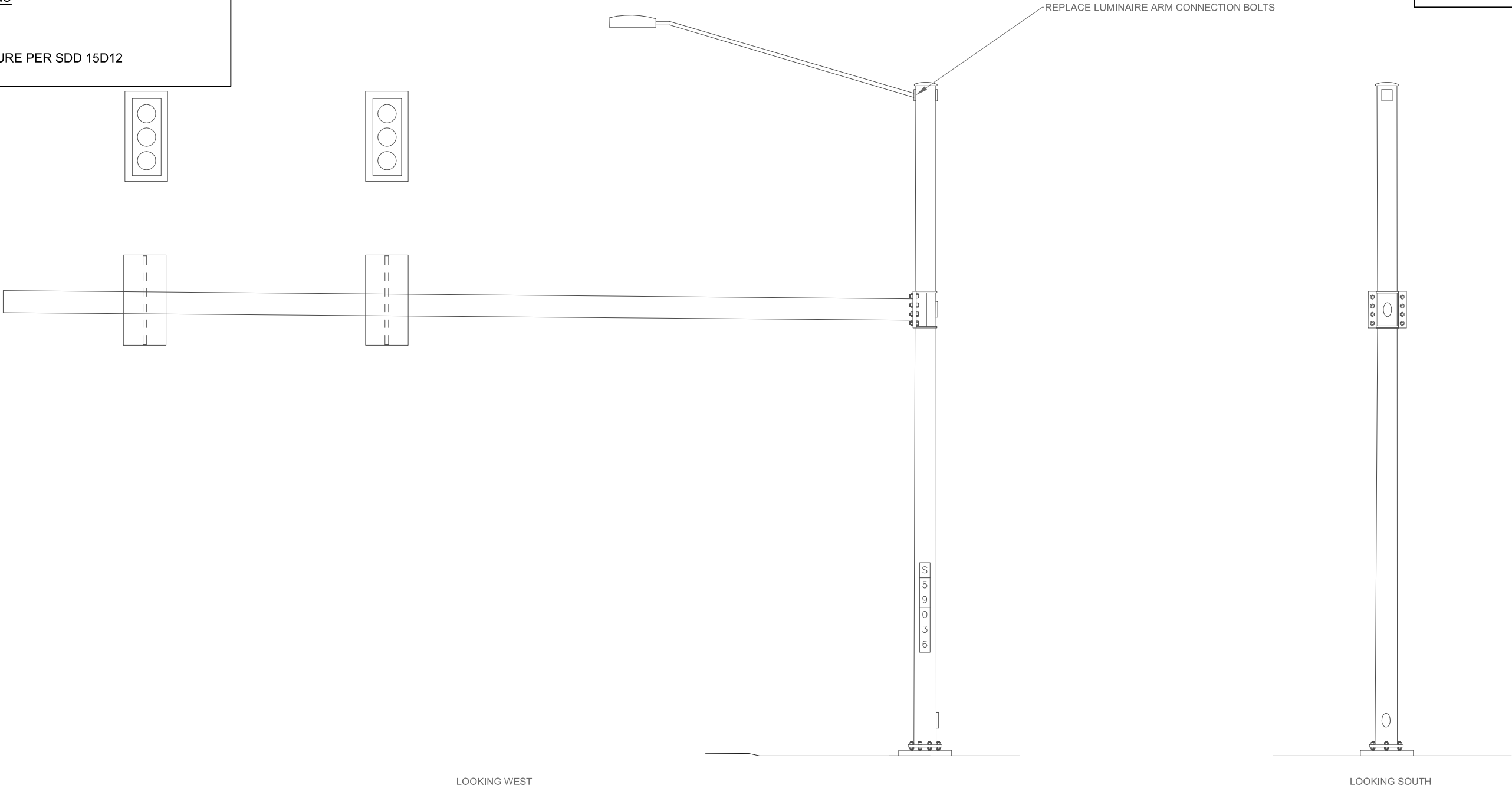
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- NONE

TRAFFIC CONTROL
- RIGHT LANE CLOSURE PER SDD 15D12

STATE PROJECT NUMBER

1009-30-08



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.14	REPLACE LUMINAIRE ARM CONNECTION BOLTS	3 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: JMA	CHECKED BY: BS	
S-59-0036			SHEET 44 OF 56 04/23/2015

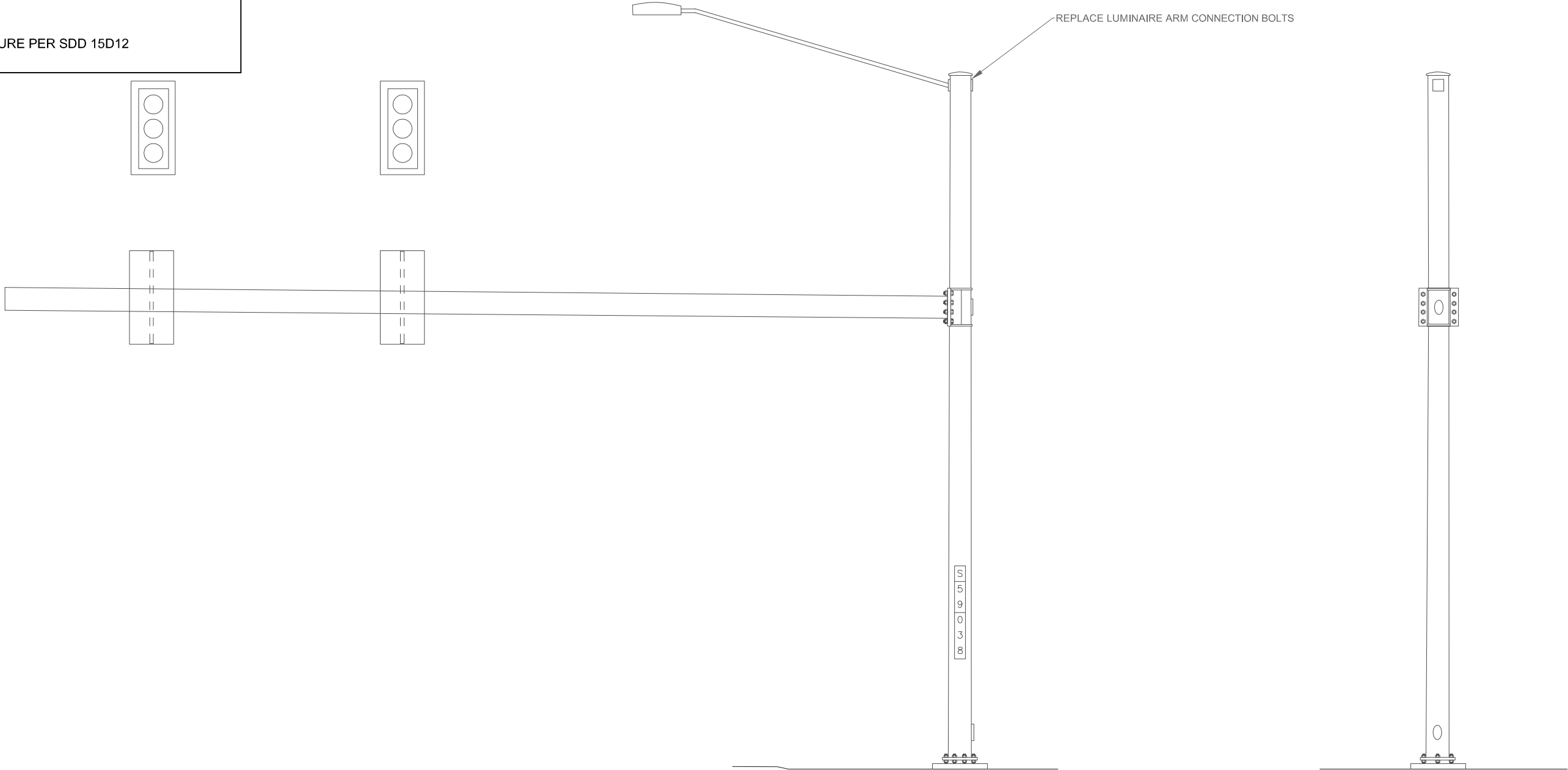
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- NONE

TRAFFIC CONTROL
- RIGHT LANE CLOSURE PER SDD 15D12

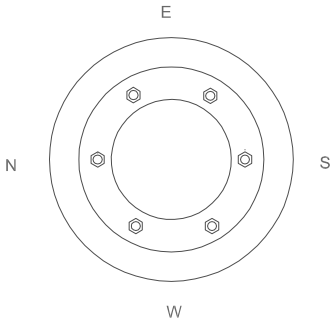
STATE PROJECT NUMBER

1009-30-08



LOOKING EAST

LOOKING NORTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.14	REPLACE LUMINAIRE ARM CONNECTION BOLTS	3 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: JMA	CHECKED BY: BS	
S-59-0038			SHEET
			45 OF 56
			04/23/2015

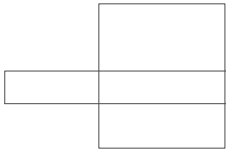
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- ALL DAY FRIDAY TO SUNDAY
- 5 AM TO 9 AM AND 3 PM TO 7 PM MONDAY THROUGH THURSDAY

TRAFFIC CONTROL
- ATTEMPT TO COORDINATE WITH LOCAL BUSINESS TO MAKE REPAIR OFF ROADWAY

STATE PROJECT NUMBER

1009-30-08

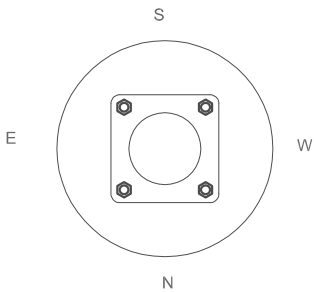


SECURE/REPLACE SIGN POST CAP



LOOKING SOUTH

LOOKING EAST



8

8

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.04	SECURE/REPLACE SIGN POST CAP	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2012			
CONST. SPEC.	DRAWN BY:	ZRW	CHECKED BY: TD
S-63-0002			SHEET
			46 OF 56
			11/06/2012

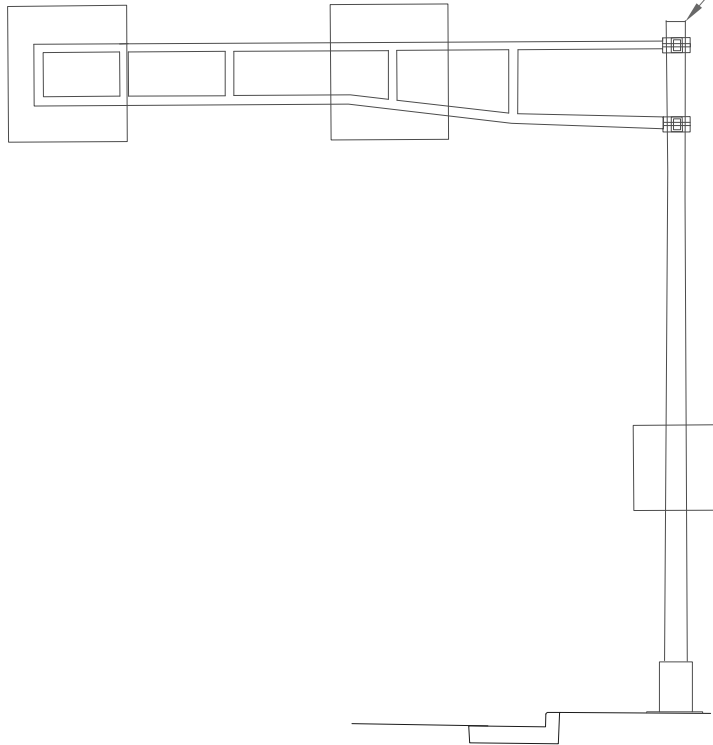
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- NONE

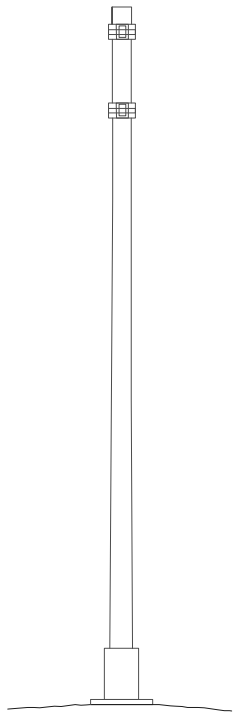
TRAFFIC CONTROL
- RIGHT LANE CLOSURE PER SDD 15D20

STATE PROJECT NUMBER

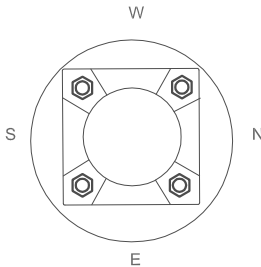
1009-30-08



LOOKING WEST



LOOKING SOUTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.04	SECURE/REPLACE SIGN POST CAP	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2012			
CONST. SPEC.	DRAWN BY:	ZRW	CHECKED BY: TD
S-68-0002		SHEET	
		47 OF 56	
		11/26/2012	

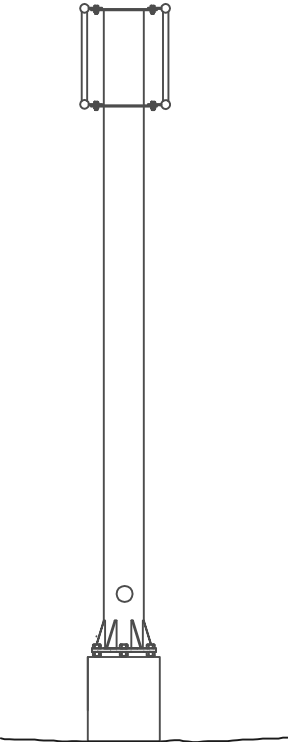
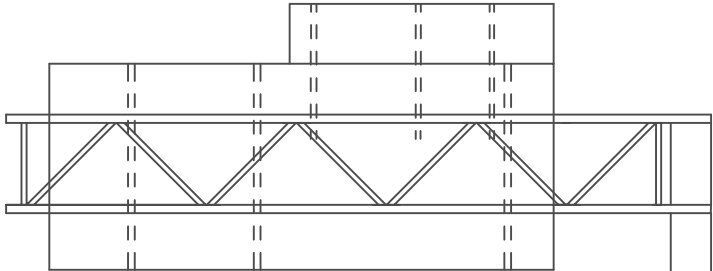
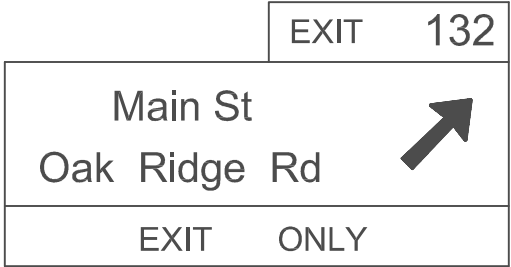
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- 7 AM TO 9 AM AND 2 PM TO 8 PM

TRAFFIC CONTROL
- NONE

STATE PROJECT NUMBER

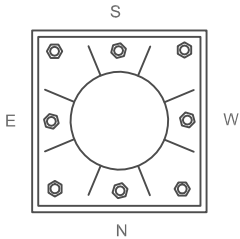
1009-30-08



FILL EROSION

LOOKING SOUTH

LOOKING EAST



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.01	FILL EROSION	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	JA	CHECKED BY: BS
S-70-0028		SHEET 48 OF 56	
		07/09/2015	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- 2 PM TO 6 PM

TRAFFIC CONTROL
- SHOULDER CLOSURE PER SDD 15D27

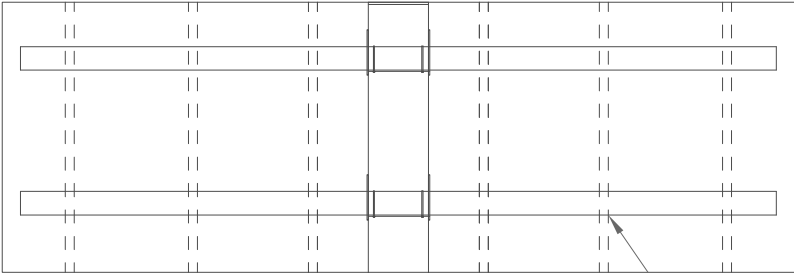
STATE PROJECT NUMBER

1009-30-08

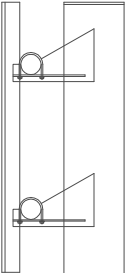
Hwy 76 1/2

Breezewood Ln 5 1/2

Winneconne Ave 7



REPLACE SIGN PANEL CONNECTOR



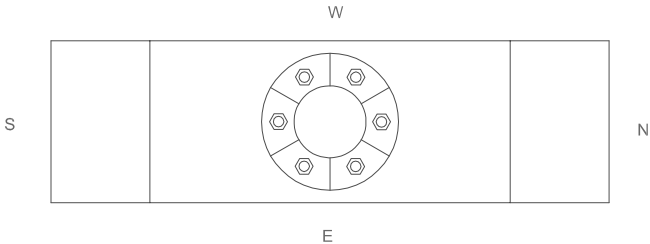
S
7
0
0
7
0

LOOKING NORTH

LOOKING WEST

8

8



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REPLACE SIGN PANEL CONNECTOR	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: JMA	CHECKED BY: BS	
S-70-0070			SHEET 49 OF 56
			5/13/2015

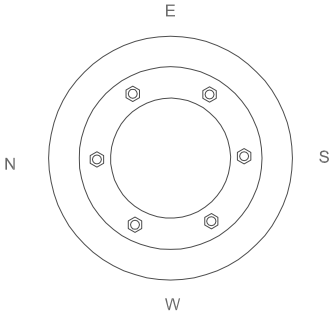
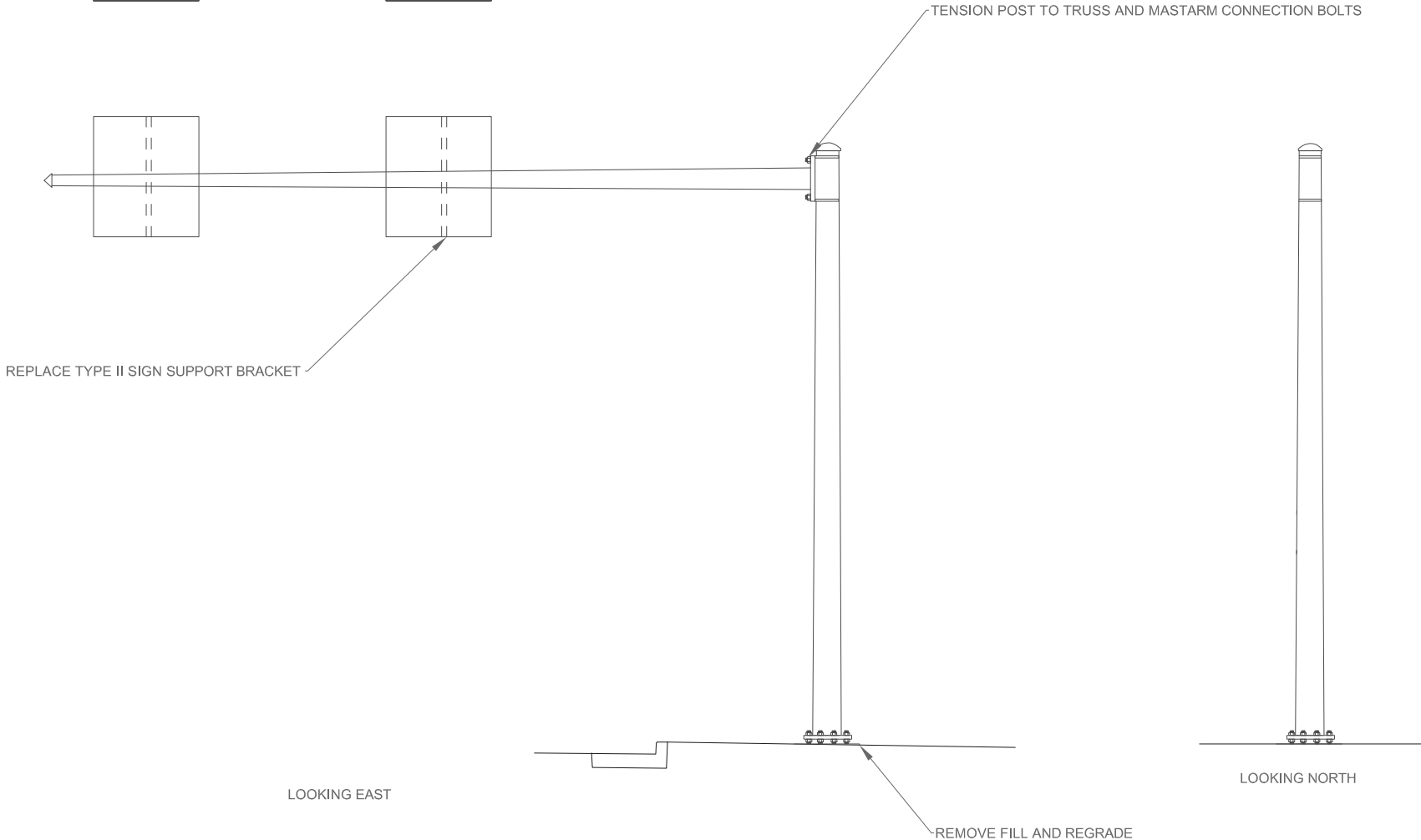
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- 7 AM TO 9 AM AND 2 PM TO 6 PM

TRAFFIC CONTROL
- RIGHT LANE CLOSURE PER SDD 15D12

STATE PROJECT NUMBER

1009-30-08



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.05	REPLACE TYPE II SIGN SUPPORT BRACKET	1 EACH	
SPV.0060.08	TENSION POST TO TRUSS AND MASTARM CONNECTION BOLTS	4 EACH	
SPV.0060.20	REMOVE FILL AND REGRADE	1 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: ZW	CHECKED BY: BS	
S-70-0108			SHEET 50 OF 56 04/22/2015

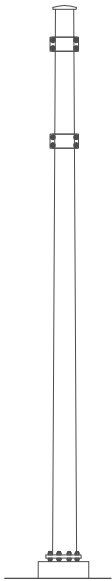
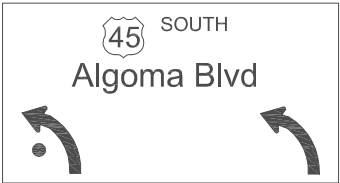
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- NONE

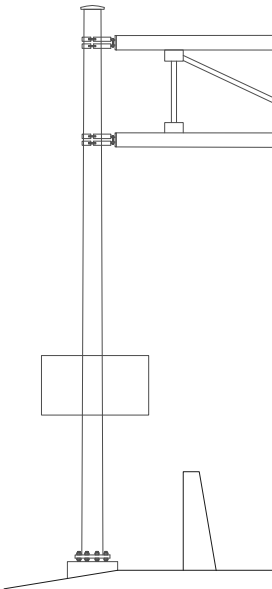
TRAFFIC CONTROL
- LANE CLOSURE IN 2 STAGES:
1. RIGHT LANE CLOSURE PER SDD 15D12
2. CLOSE BOTH LEFT TURN LANES AND FORCE TRAFFIC TO USE RIGHT TURN LANE

STATE PROJECT NUMBER

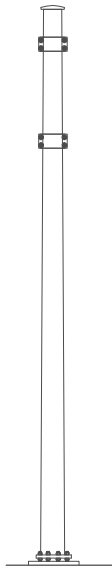
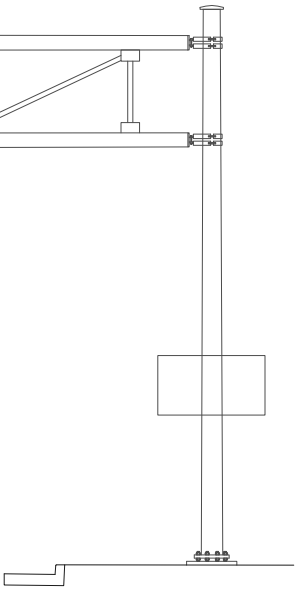
1009-30-08



LOOKING WEST



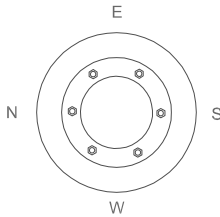
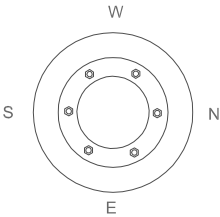
LOOKING SOUTH



LOOKING WEST



SLOTTED HOLE REPAIR ON SIGN SUPPORT BRACKET



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	SLOTTED HOLE REPAIR ON SIGN SUPPORT BRACKET	5 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	3 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	ZW	CHECKED BY: BS
S-70-0116		SHEET 51 OF 56	
		04/21/2015	

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

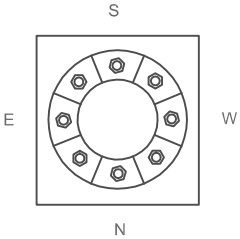
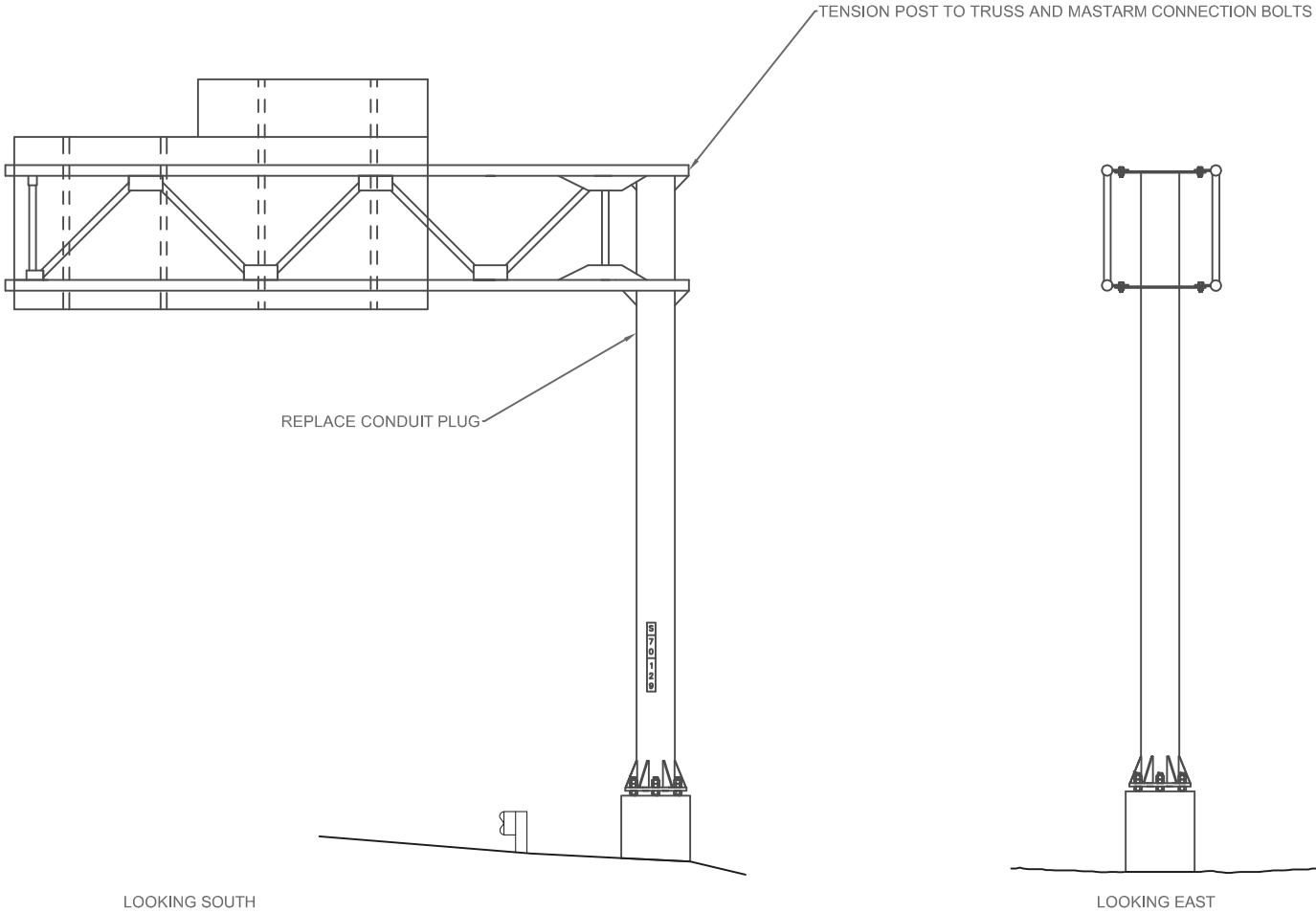
- NONE

TRAFFIC CONTROL

- SHOULDER CLOSURE PER SDD 15D27

STATE PROJECT NUMBER

1009-30-08



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.08	TENSION POST TO TRUSS AND MASTARM CONNECTION BOLTS	1 EACH	
SPV.0060.11	REPLACE CONDUIT PLUG	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	JA	CHECKED BY: BS
S-70-0129		SHEET 52 OF 56	
		05/19/2015	

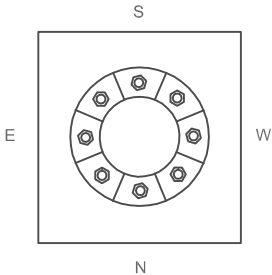
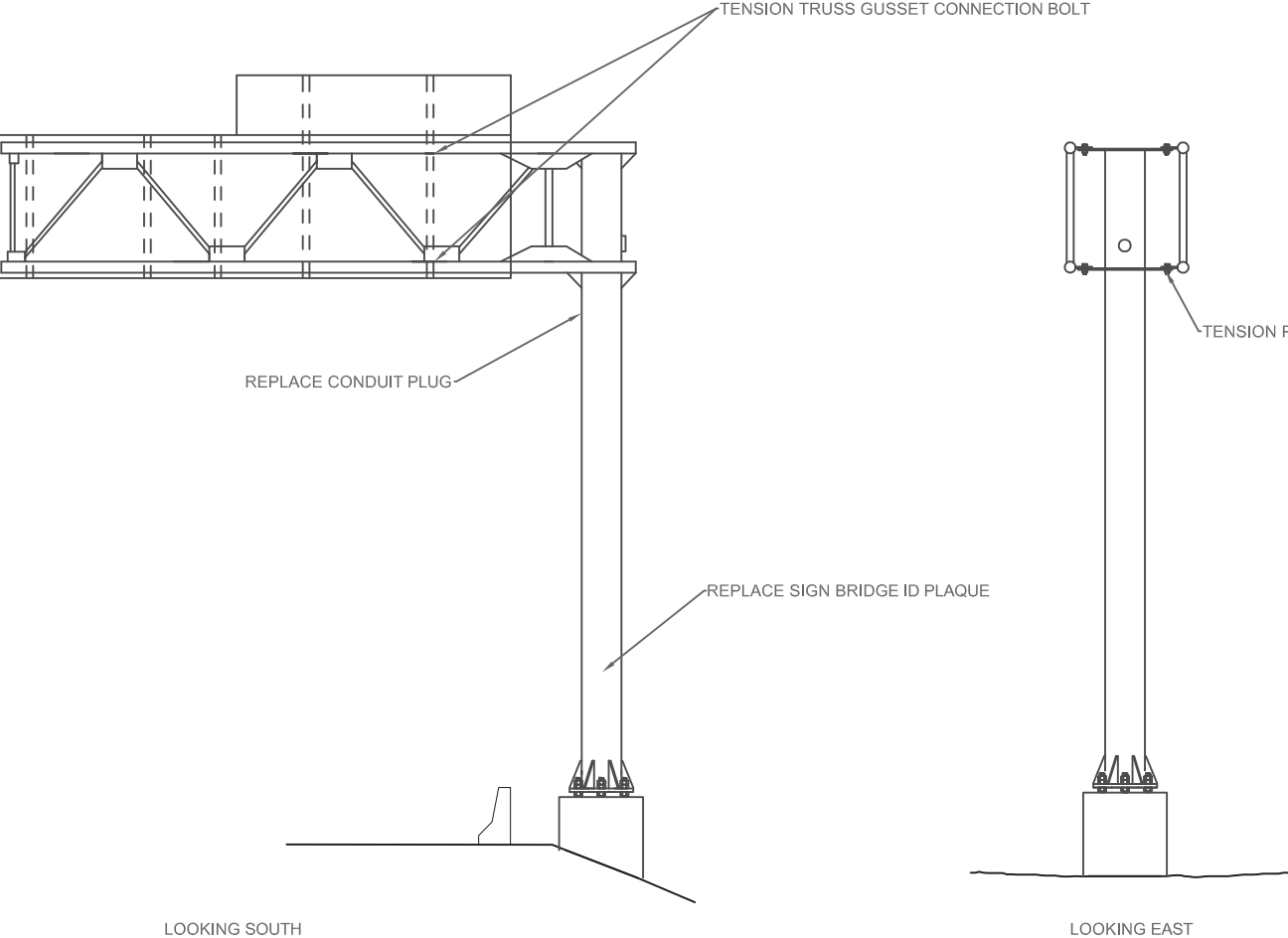
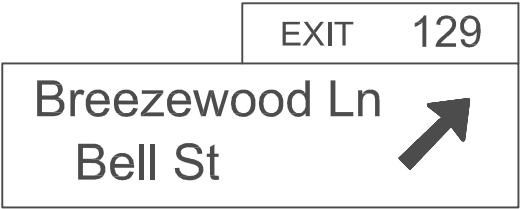
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- 7 AM TO 10 AM AND 12 PM TO 7 AM

TRAFFIC CONTROL
- AUX LANE CLOSURE PER SDD 15D12 AND SDD 15D15
- OPEN UP LANE IMMEDIATELY AFTER STRUCTURE

STATE PROJECT NUMBER

1009-30-08



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.	ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.08	TENSION POST TO TRUSS AND MASTARM CONNECTION BOLTS	2 EACH		SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	
SPV.0060.11	REPLACE CONDUIT PLUG	1 EACH					
SPV.0060.15	TENSION TRUSS GUSSET CONNECTION BOLT	2 EACH					
SPV.0060.18	REPLACE SIGN BRIDGE ID PLAQUE	1 EACH					

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	JA	CHECKED BY: BS
S-70-0130		SHEET 53 OF 56	
		05/19/2015	

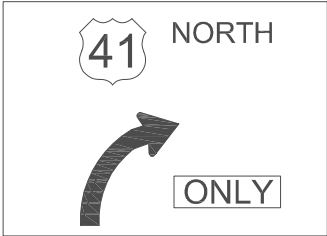
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTION
- NONE

TRAFFIC CONTROL
- AUX LANE CLOSURE PER SDD 15D12 AND SDD 15D15
- OPEN UP LANE IMMEDIATELY AFTER STRUCTURE FOR
A STRAIGHT DIVERGE TAPER TO I-41 NB

STATE PROJECT NUMBER

1009-30-08

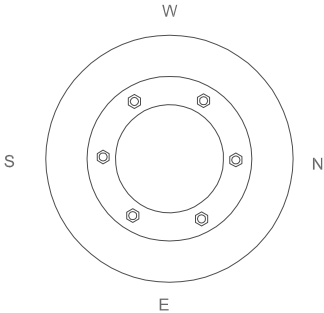


SLOTTED HOLE REPAIR ON SIGN SUPPORT BRACKET

RIGHT LANE
MUST
TURN RIGHT

LOOKING WEST

LOOKING SOUTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	SLOTTED HOLE REPAIR ON SIGN SUPPORT BRACKET	2 EACH	
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: ZW	CHECKED BY: BS	
S-70-0135			SHEET 54 OF 56 04/21/2015

STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS

- NONE

TRAFFIC CONTROL

- LANE CLOSURE PER SDD 15D12

STATE PROJECT NUMBER

1009-30-08

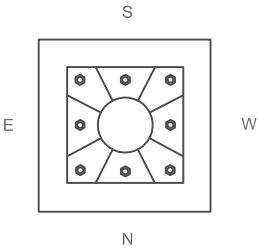
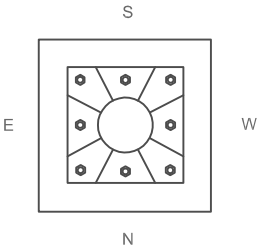
VMS

ADJUST HANDRAIL

LOOKING SOUTH

LOOKING WEST

LOOKING EAST



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.24	TRAFFIC CONTROL - SINGLE LANE CLOSURE	1 EACH	
SPV.0105.01	ADJUST HANDRAIL	1 LS	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY:	JA	CHECKED BY: BS
S-70-0152		SHEET 55 OF 56	
		05/19/2015	

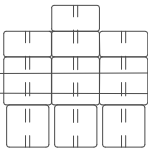
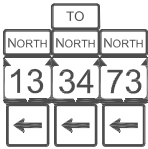
STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES

WORK RESTRICTIONS
- 5 AM TO 9 PM AND 3 PM TO 7 PM

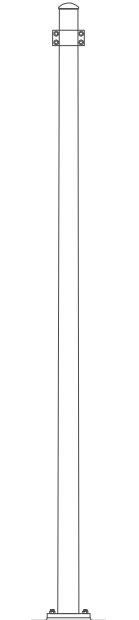
TRAFFIC CONTROL
- SEE TRAFFIC CONTROL PLAN

STATE PROJECT NUMBER

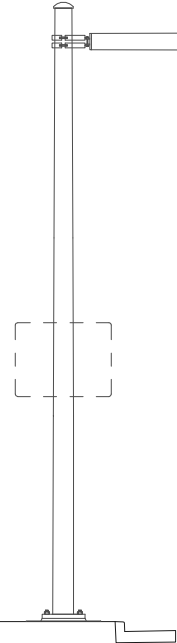
1009-30-08



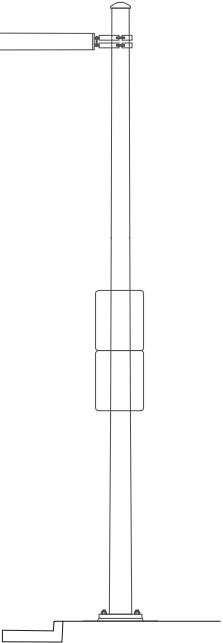
REPLACE SPLICE CONNECTION BOLTS



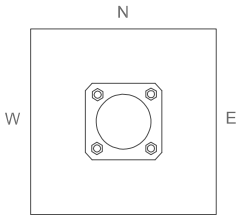
LOOKING EAST



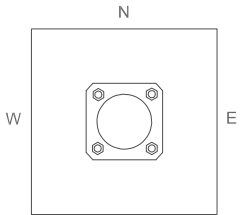
LOOKING NORTH



LOOKING WEST



LEFT FOUNDATION



RIGHT FOUNDATION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.12	REPLACE SPLICE CONNECTION BOLTS	6 EACH	
SPV.0105.03	TRAFFIC CONTROL - S-71-0022	1 EACH	

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
SIGN STRUCTURE INSPECTIONS 2015			
CONST. SPEC.	DRAWN BY: ZW	CHECKED BY: BS	
S-71-0022			SHEET 56 OF 56 06/17/2015

Notes



Wisconsin Department of Transportation

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