REGIONS

MAY 2017

ORDER OF SHEETS

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

Section No. 9 Computer Earthwork Data

Section No. 9 ___ Cross Sections

TOTAL SHEETS = 72

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
FSALS	=	NZA

ONVENTIONAL SYMBOLS LAN	
DRPORATE LIMITS	1//////
ROPERTY LINE	
OT LINE	
MITED HIGHWAY EASEMENT	L
KISTING RIGHT OF WAY	
ROPOSED OR NEW R/W LINE	
OPE INTERCEPT	
FERENCE LINE	
KISTING CULVERT	1=1
ROPOSED CULVERT Box or Pipe)	
OMBUSTIBLE FLUIDS	=CAUTION=

PROFILE GRADE LINE ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH

GRADE ELEVATION

CULVERT (Profile View) UTILITIES **ELECTRIC** FIBER OPTIC SANITARY SEWER STORM SEWER

TELEPHONE WATER UTILITY PEDESTAL

TELEPHONE POLE

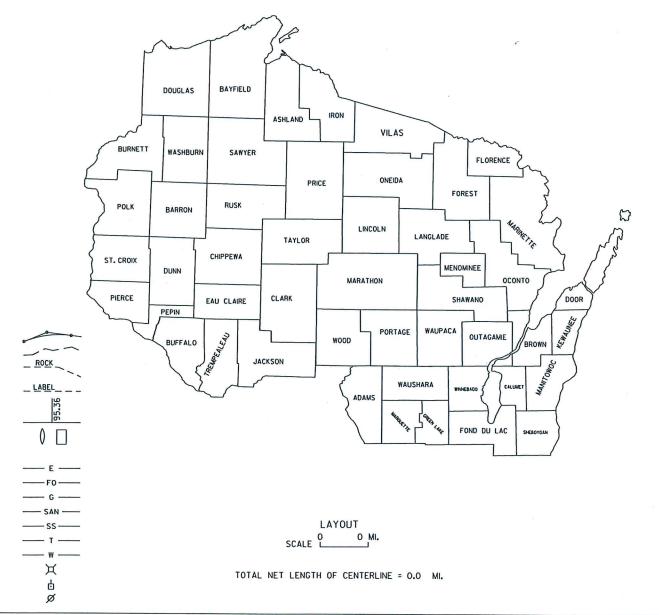
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

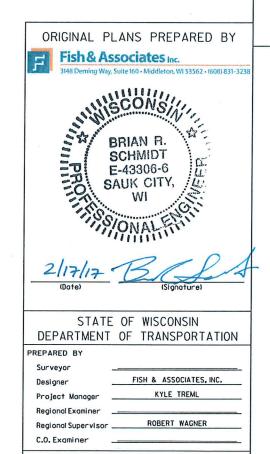
SIGN BRIDGE REPLACEMENT

REGIONWIDE VARIOUS ROUTES VAR HWYS **BROWN COUNTY**

> STATE PROJECT NUMBER 1009-30-11



FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT WISC 2017270 1009-30-11



WOODED OR SHRUB AREA

MARSH AREA

2

DESIGN CONTACT

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

DNR LIASION CONTACTS

AMY CRONK (715) 635-4229 AMY.CRONK@WISCONSIN.GOV BARRON, BURNETT, DOUGLAS, POLK, RUSK COUNTIES

(920) 662-5119 JAMES.DOPERALSKI@WISCONSIN.GOV JIM DOPERALSKI BROWN, MARINETTE, MENOMINEE, OCONTO, SHAWANO COUNTIES

BOBBI JO FISCHER (920) 787-3015 BOBBI.FISCHER@WISCONSIN.GOV GREEN LAKE, MARQUETTE, WAUPACA, WAUSHARA COUNTIES

SHAWN HASELEU (715) 635-4228 SHAWN.HASELEU@WISCONSIN.GOV ASHLAND, BAYFIELD, PRICE, SAWYER, WASHBURN COUNTIES

MARC.HERSHFIELD@WISCONSIN.GOV MARC HERSHFIELD (715) 421-7867 ADAMS, JUNEAU, MARATHON, PORTAGE, WOOD COUNTIES

KAREN KALVELAGE (608) 785-9115 KAREN.KALVELAGE@WISCONSIN.GOV BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPEALEAU, VERNON COUNTIES

(920) 366-1544 MATTHEW.SCHAEVE@WISCONSIN.GOV MATT SCHAEVE CALUMET, DOOR, KEWAUNEE, MANITOWOC, OUTAGAMIE COUNTIES

JAY SCHIEFELBEIN (920) 662-5130 JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV FOND DU LAC, SHEBOYGAN, WINNEBAGO COUNTIES

JON SIMONSEN (715) 365-8916 JONATHAN.SIMONSEN@WISCONSIN.GOV FLORENCE, FOREST, IRON, LANGLADE, LINCOLN, ONEIDA, TAYLOR, VILAS COUNTIES

CHRIS WILLGER (715) 839-1609 CHRISTOPHERJ.WILLGER@WISCONSIN.GOV CHIPPEWA, CLARK, DUNN, EAU CLAIRE, PEPIN, PIERCE, ST. CROIX COUNTIES

TRAFFIC CONTACTS

NORTHEAST REGION: JOSH FALK (920) 366-8033 JOSHUA.FALK@DOT.WI.GOV CARA.ABTS@DOT.WI.GOV NORTH CENTRAL REGION: CARA ABTS (715) 421-8024 NORTHWEST REGION: CHAD HINES (715) 836-7276 CHAD.HINES@DOT.WI.GOV

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

PROJECT NO: 1009-30-11

HWY: VARIOUS

COUNTY: VARIOUS

GENERAL NOTES AND UTILITY CONTACTS

SCALE:

SHEET

Ε

PLOT DATE: \$\$...plottingdate...\$\$ PLOT BY: \$\$...plotuser...\$\$ PLOT NAME: ___

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

BROWN COUNTY

2

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-05-0015	STH 172	WB	STH 172 ON RAMP TO IH-41
S-05-0026	IH-43	SB	IH-43 AT WEBSTER AVE. OFF RAMP
S-05-0038	IH-43	SB	IH 43 SB-RAMP STH 172 WB
S-05-0039	IH-43	SB	IH-43, 0.2 MILE NORTH OF STH 172
S-05-0040	STH 172	EB	STH 172 AT GORE FOR IH-43 NB/SB
S-05-0042	STH 172	WB	STH 172, 0.4 MILE EAST OF USH 41
S-05-0043	IH-43	NB	IH-43 AT USH 172 WB RAMP GORE
S-05-0049	STH 172	WB	STH 172, 1/2 MILE EAST OF CTH GV
S-05-0055	STH 54	EB	STH 54 (MASON ST.) JUST WEST OF BROADWAY ST.
S-05-0056	STH 54	EB	STH 54 (MASON ST.) AT RAMP FROM BROADWAY ST.
S-05-0057	STH 54	EB	STH 54 (MASON ST.) AT EXIT RAMP TO MADISON ST.
S-05-0058	STH 54	EB	STH 54 AT EXIT TO MONROE AVE.
S-05-0064	STH 172	EB	STH 172 ON EXIT RAMP TO CTH X
S-05-0067	STH 54	WB	STH 54, 1/4 MILE EAST OF BROADWAY AVE.
S-05-0077	WALNUT ST.	WB	WALNUT ST. JUST EAST OF FOX RIVER
S-05-0222	CTH G	WB	CTH G, AT IH-41 NB EXIT RAMP
S-05-0236	CTH VK	WB	CTH VK, JUST EAST OF IH-41

CHIPPEWA COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-09-0027	STH 178	NB	0.10 MI S OF CTH S
S-09-0028	STH 124	NB	600' S OF BUS. 29
S-09-0029	STH 124	SB	500' N OF BUS 29
S-09-0030	STH 29 - BUS	WB	STH 29 BUS. 550' E OF STH 124

DOUGLAS COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-16-0004	IH-535	NB	IH-535 NB 100 FEET NORTH OF 5TH STREET
S-16-0010	IH-535	SB	IH-535 SB AT EXIT TO USH 53 AND STH 35

DUNN COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-17-0004	IH-94	EB	EB IH-94 ON WILSON ST. (ATTACHED TO B-17-0040)

MARATHON COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-37-0042	USH 51	SB	USH 51 SB, 1/2 MILE NORTH OF STH 29 EB EXIT
S-37-0055	USH 51	NB/SB	USH 51 IN MEDIAN, 1/2 MILE SOUTH OF CTH NN
S-37-0058	USH 51	NB/SB	USH 51 NB/SB, 1/4 MILE NORTH OF CTH NN
S-37-0098	ADAMS ST	EB	ADAMS ST. EB JUST EAST OF STH 13 IN COLBY
S-37-0099	STH 13	NB	STH 13 NB JUST N OF ADAMS ST.

PIERCE COUNTY

SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-47-0007	USH 10	EB	250' W OF JCT STH 29/35
S-47-0009	STH 35	SB	250' N OF JCT WB STH 29/SB STH 65

POLK COUNTY

SIGN	#	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-48-0	003	USH 8	EB	USH-8 EB 200' W OF 208 ST.
S-48-00	004	USH 8	WB	USH-8 WB 200' E OF 208 ST.
S-48-00	006	USH 8	WB	USH 8 WB. 1/4 MILE E. OF GLACIER DR.

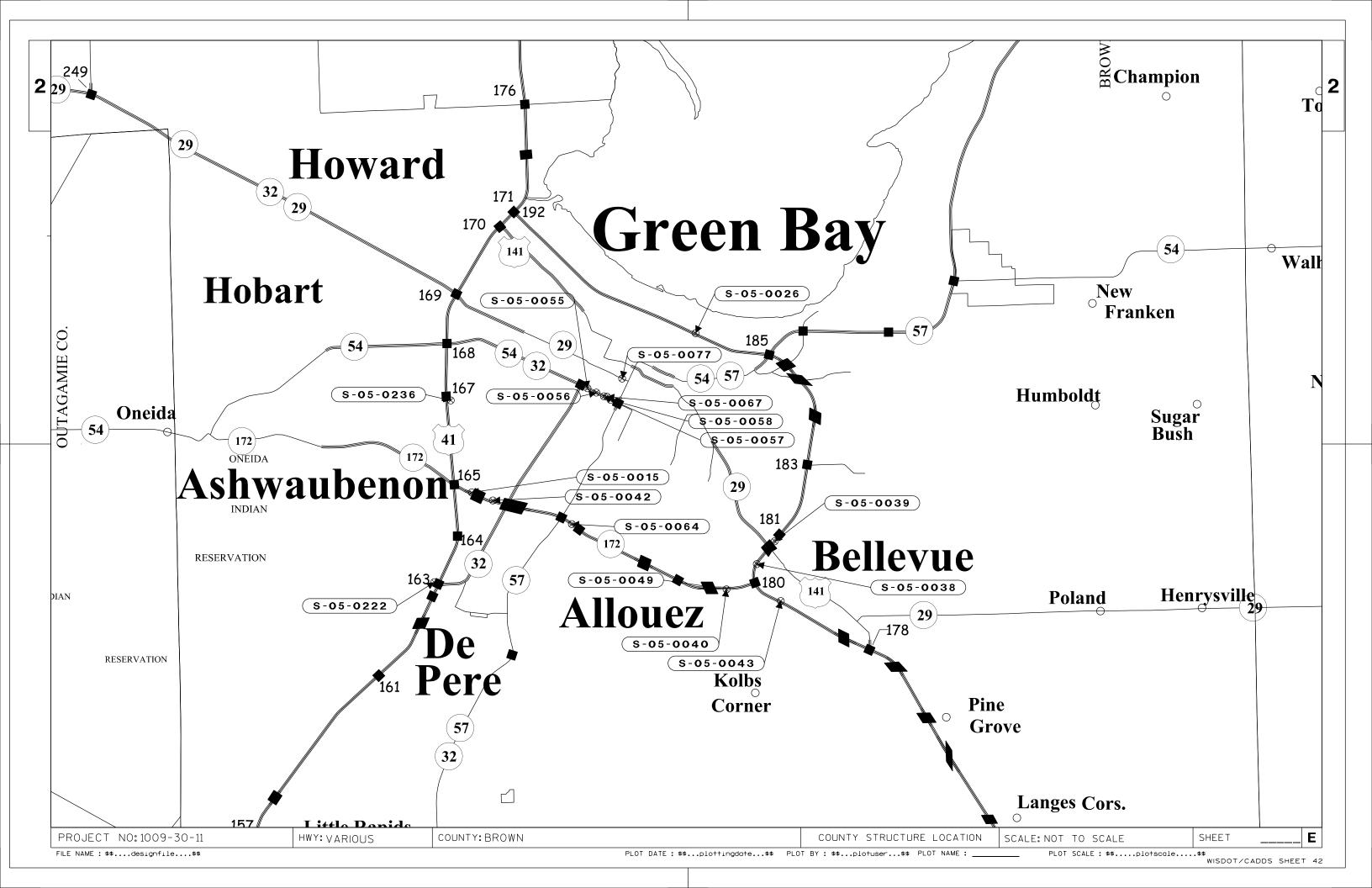
WAUPACA COUNTY

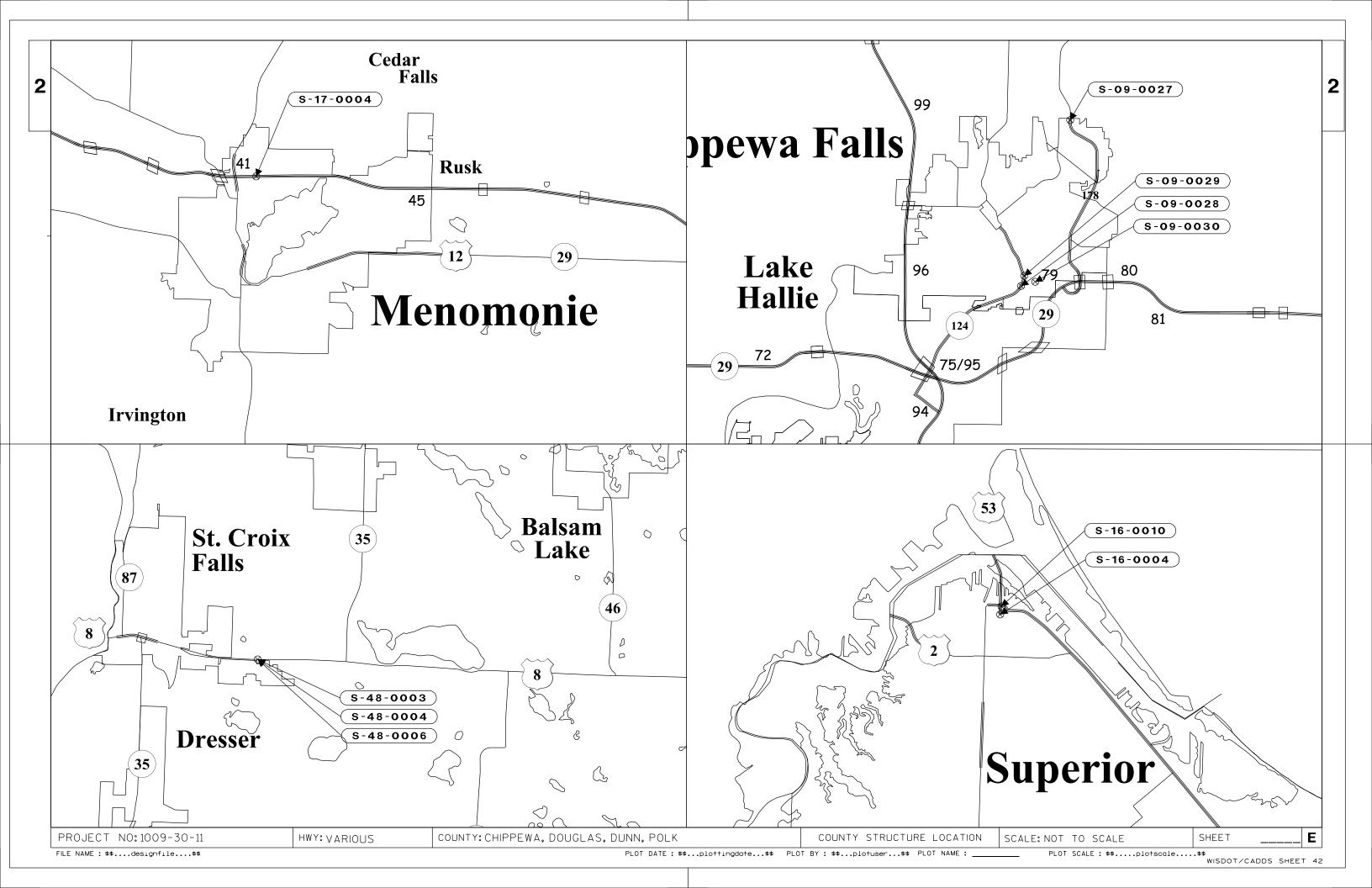
SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-68-0002	STH 110	WB	0.1 MI E OF WOLF RIVER

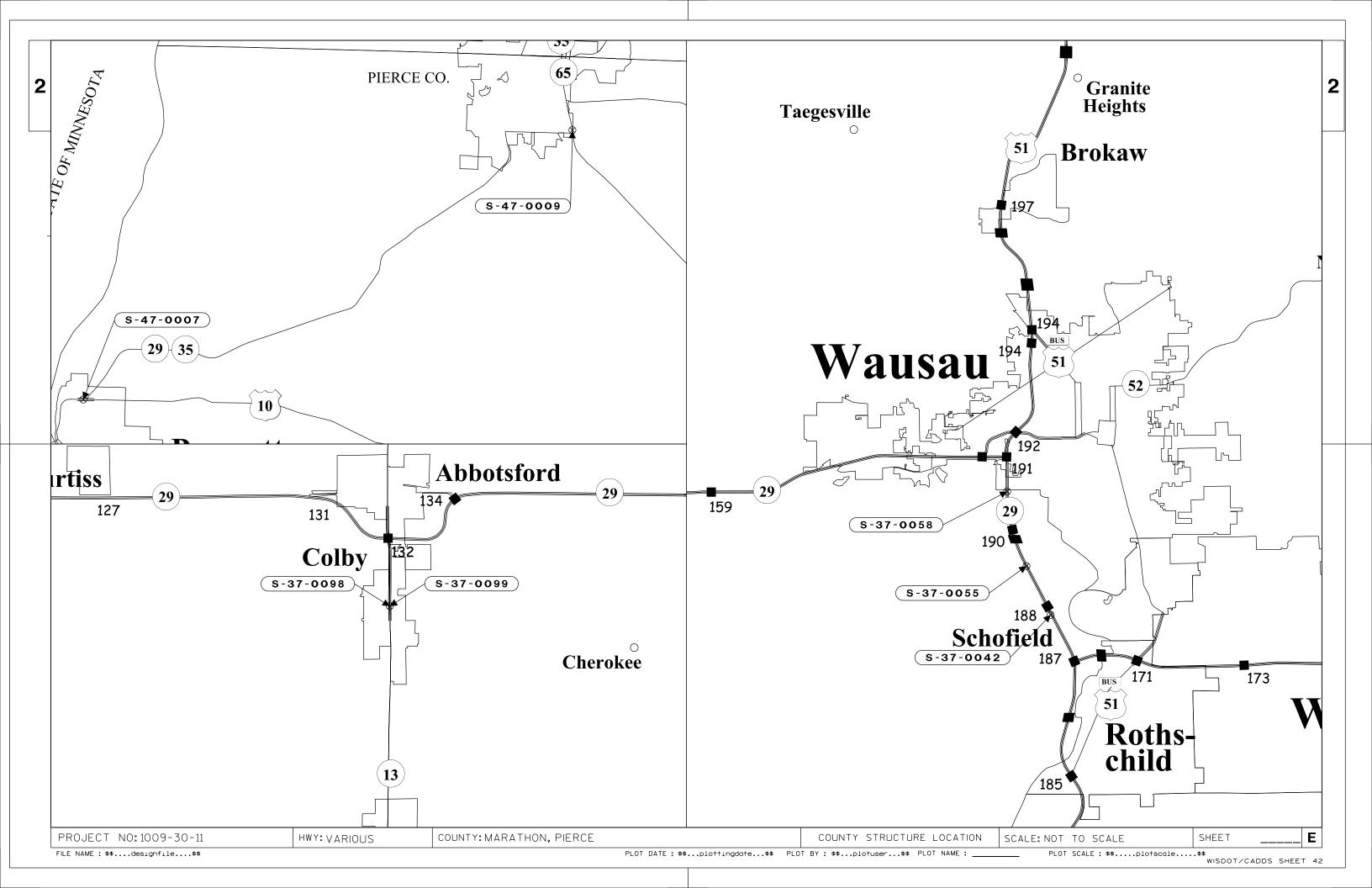
WAUSHARA COUNTY

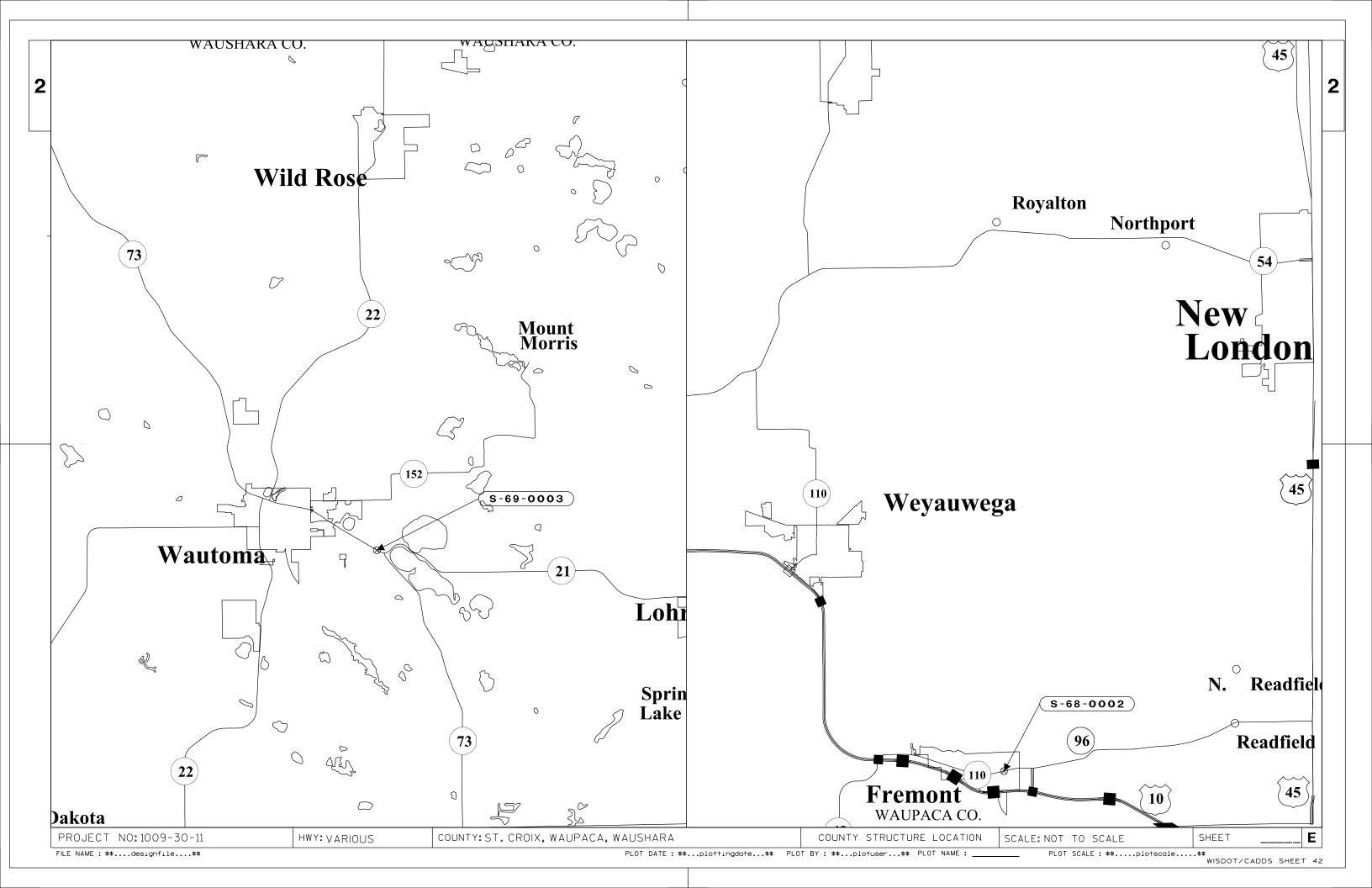
SIGN #	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-69-0003	STH 21	EB	0.1 ME N OF STH 73

Ε PROJECT NO: 1009-30-11 HWY: VARIOUS COUNTY: VARIOUS SIGN REPAIR LOCATIONS SCALE: NOT TO SCALE SHEET PLOT SCALE: \$\$.....plotscale.....\$\$
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-05-0015	STH 172	BROWN	SDD 15D12	6:00 AM TO 8:00 PM		
S-05-0026	IH-43	BROWN	SDD 15D27			
S-05-0038	IH-43	BROWN	SDD 15D27			
S-05-0039	IH-43	BROWN	SDD 15D12	6:00 AM TO 7:00 PM		
S-05-0040	STH 172	BROWN	SDD 15D27			
S-05-0042	STH 172	BROWN	SDD 15D27			
S-05-0043	IH-43	BROWN	SDD 15D27			
S-05-0049	STH 172	BROWN	SDD 15D27			
S-05-0055	STH 54	BROWN	SDD 15D12, NOTE 3	7:00 AM TO 6:00 PM		
S-05-0056	STH 54	BROWN	SDD 15D12, NOTE 3	7:00 AM TO 6:00 PM		
S-05-0057	STH 54	BROWN	SDD 15D12, NOTE 3	7:00 AM TO 6:00 PM		
S-05-0058	STH 54	BROWN	SDD 15D12, NOTE 3	7:00 AM TO 6:00 PM		
S-05-0064	STH 172	BROWN	SDD 15D12	7:00 AM TO 8:00 PM		
S-05-0067	STH 54	BROWN	SDD 15D12, NOTE 3	7:00 AM TO 6:00 PM		
S-05-0077	WALNUT ST.	BROWN	SDD 15D12, NOTE 3	7:00 AM TO 6:00 PM		
S-05-0222	CTH G	BROWN	SDD 15D12	7:00 AM TO 6:00 PM		
S-05-0236	CTH VK	BROWN	SDD 15D12	3:00 PM TO 7:00 PM		
S-09-0027	STH 178	CHIPPEWA	SDD 15D12			
S-09-0028	STH 124	CHIPPEWA	SDD 15D12			
S-09-0029	STH 124	CHIPPEWA	SDD 15D12			
S-09-0030	STH 29 - BUS	CHIPPEWA	SDD 15D12			
S-16-0004	IH-535	DOUGLAS	SDD 15D27			
S-16-0010	IH-535	DOUGLAS	SDD 15D12	6:00 AM TO 10:00 PM		
S-17-0004	IH-94	DUNN	SDD 15D12	ALL DAY, FRIDAY THROUGH SUNDAY	7:00 AM TO 7:00 PM MONDAY THROUGH THURSDAY	
S-37-0042	USH 51	MARATHON	SDD 15D27	ALL DAY, THURSDAY THROUGH SUNDAY	12:00 AM TO 9:00 AM MONDAY THROUGH WEDNESDAY	3:00 PM TO 12:00 AM MONDAY THROUGH WEDNESDAY
S-37-0055	USH 51	MARATHON	SDD 15D12	ALL DAY, THURSDAY THROUGH SUNDAY	12:00 AM TO 9:00 AM MONDAY THROUGH WEDNESDAY	3:00 PM TO 12:00 AM MONDAY THROUGH WEDNESDAY
S-37-0058	USH 51	MARATHON	SDD 15D12	ALL DAY, THURSDAY THROUGH SUNDAY	12:00 AM TO 9:00 AM MONDAY THROUGH WEDNESDAY	3:00 PM TO 12:00 AM MONDAY THROUGH WEDNESDAY
S-37-0098	ADAMS ST	MARATHON	SDD 15D28			
S-37-0099	STH 13	MARATHON	SDD 15D21			
S-47-0007	USH 10	PIERCE	SDD 15D28			
S-47-0009	STH 35	PIERCE	SEE TRAFFIC CONTROL PLAN, SDD 15C02-06			
S-48-0003	USH 8	POLK	SDD 15D12			
S-48-0004	USH 8	POLK	SDD 15D12			
S-48-0006	USH 8	POLK	SDD 15D12			
S-68-0002	STH 110	WAUPACA	SDD 15D28			
S-69-0003	STH 21	WAUSHARA	SDD 15D20			

TRAFFIC CONTROL NOTES

- 1. RESTRICTED HOUR TABLE INDICATES TIME FRAMES WHEN LANE CLOSURES ARE NOT PERMITTED.
- 2. PRE-WARN TRAFFIC WITH PCMS AND PRESS RELEASE AS DESIGNATED.
- 3. CONTACT THE TRAFFIC ENGINEERING DIVISION FOR THE CITY OF GREEN BAY, DAVE HANSEN (920.448.3000) AND DISCUSS THE PROJECT SCHEDULES OF OPERATIONS, TRAFFIC CONTROL, AND RELEVANT CONSTRUCTION OPERATIONS PRIOR TO PERFORMING REPAIRS ON STRUCTURES AT WALNUT ST. AND MASON ST.(STH 54).

PROJECT NO: 1009-30-11	HWY: VARIOUS	COUNTY: VARIOUS	TRAFFIC CONTROL	SCALE: NOT TO SCALE	SHEET E
FILE NAME: \$\$designfile\$\$		PLO	T DATE: \$\$plottingdate\$\$ PLOT BY: \$\$plotuser\$\$ PLOT NAME:	PLOT SCALE: \$\$plotscale	\$\$ WISDOT/CADDS SHEET 42

5A 2A 1. STATE HIGHWAY 35/65 SOUTHBOUND WILL BE CLOSED AS DESCRIBED BELOW. 1 2. SOUTHBOUND TRAFFIC WILL BE DETOURED VIA CASCADE AVE./S. WASSON LANE/830TH ST. TO STATE 1A HIGHWAY 35/65. **DETOUR** 3. CONTRACTOR SHALL COVER EXISTING SIGNS WHICH CONFLICT WITH THE PROPOSED DETOUR, AS SHOWN ON 4A THE PLANS AND AS DIRECTED BY THE ENGINEER. **AHEAD** ST. DETOUR 4. REFER TO THE FOLLOWING WISDOT STANDARD DETAIL DRAWINGS FOR MAINLINE CLOSURE FOR LOCATION AND SPACING BETWEEN SIGNS; BARRICADES AND SIGNS FOR MAINLINE CLOSURES; DETOUR SIGNING FOR MAINLINE **AHEAD** 5. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT 2 FIELD CONDITIONS, AS APPROVED BY THE ENGINEER. ■ MB 2A 6. "WO" AND "W" SIGNS SHALL BE 48" X 48" UNLESS OTHERWISED NOTED. 7. ALL MO5 AND MO6 ARROWS SHALL BE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE. 3 8. PORTABLE CHANGEABLE MESSAGE BOARDS SHALL BE PLACED 10 DAYS PRIOR TO START OF CONSTRUCTION AT LOCATIONS INDICATED ON PLAN BELOW OR AS DIRECTED BY THE ENGINEER. 3A 9. NOTIFY CITY OF RIVER FALLS OF DATE AND DETOUR ROUTE A MINIMUM OF 10 DAYS PRIOR TO WORK. 10. PERFORM DETOUR CLOSURE ON A TUESDAY, WEDNESDAY, OR THURSDAY DURING THE SUMMER. END Detour END DETOUR M4-8 M4-8 M4-8 M4-8 M4-8 M4-8 M4-8A M4-8A M4-8 M4-8 M4-8 M4-8 24" X 12" 24" X 12" 24" X 12" 24" X 18 24" X 12" SOUTH M3-3 24" X 12" WILDCAT CT. 35 35 35 65 65 65 65 65 M1-6 24" X 24" 24" X 24" 24" X 24" 24" X 24' 24" X 24" 24" X 24' 24" X 24" 24" X 24" 24" X 24" 24" X 24 24" X 24" 24" X 24" **|** 1 1 4 4 **← ←** \rightarrow \rightarrow M05-1L M06-1 M06-1 M06-1 M06-1 M06-1 M05-1R 21" X 21" M05-1R M05-1L M06-1 21" X 21" 1A 2 3A 4 5 5A (1 2A 3 4A 6 6A ROAD **CLOSED** 1A 4 TYPE III BARRICADE TYPE III BARRICADE TYPE III BARRICADE 2A 830TH AVE LEGEND TYPE III BARRICADE WITH ATTACHED SIGN 5A TYPE III BARRICADE LILAC DR. WORK AREA MB PORTABLE CHANGEABLE MESSAGE BOARD PROJECT NO: 1009-30-11 HWY:STH 35/65 COUNTY: PIERCE SOUTHBOUND DETOUR PLAN 500' SHEET Ε SCALE: FILE NAME: \$\$....designfile....\$\$ PLOT SCALE: \$\$.....plotscale.....\$\$ PLOT DATE: \$\$...plottingdate...\$\$ PLOT BY: \$\$...plotuser...\$\$ PLOT NAME: _ WISDOT/CADDS SHEET 42

Estimate Of Quantities

⊃age	
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					1009-30-11
Line	Item	Item Description	Unit	Total	Qty
0010	619.1000	Mobilization	EACH	1.000	1.000
0020	643.0100	Traffic Control (project) 01.1009-30-11	EACH	1.000	1.000
0030	SPV.0060	Special 01. Tension Anchor Rod	EACH	42.000	42.000
0040	SPV.0060	Special 02. Fill Erosion	EACH	2.000	2.000
0050	SPV.0060	Special 04. Repair Foundation	EACH	4.000	4.000
0060	SPV.0060	Special 05. Replace Rodent Screen	EACH	3.000	3.000
0070	SPV.0060	Special 06. Remove Grout Pad	EACH	25.000	25.000
0800	SPV.0060	Special 10. Tension Structural Connection Bolt	EACH	4.000	4.000
0090	SPV.0060	Special 12. Replace End Cap	EACH	5.000	5.000
0100	SPV.0060	Special 13. Secure/Replace Post Cap	EACH	1.000	1.000
0110	SPV.0060	Special 17. Repair Dampener	EACH	1.000	1.000
0120	SPV.0060	Special 18. Reinstall Truss	EACH	1.000	1.000
0130	SPV.0060	Special 20. Replace Sign Panel Connector	EACH	16.000	16.000
0140	SPV.0060	Special 22. Slotted Hole Repair on Sign Support Bracket	EACH	34.000	34.000
0150	SPV.0060	Special 24. Replace Sign Connection Clamp	EACH	3.000	3.000
0160	SPV.0060	Special 26. Replace Sign Bridge ID Plaque	EACH	1.000	1.000
0170	SPV.0060	Special 29. Adjust Signal Band Mount	EACH	2.000	2.000
0180	SPV.0060	Special 32. Replace Washers at Pedestal Connection	EACH	4.000	4.000
0190	SPV.0060	Special 42. Replace Attenuator Barrels	EACH	2.000	2.000
0200	SPV.0060	Special 50. Traffic Control - Single Lane Closure	EACH	35.000	35.000

BID ITEM QUANTITES

3

			SPV.0060.01	SPV.0060.02	SPV.0060.04	SPV.0060.05	SPV.0060.06	SPV.0060.10	SPV.0060.12	SPV.0060.13	SPV.0060.17	SPV.0060.18	SPV.0060.20	SPV.0060.22
Region	County	Structure Number	TENSION ANCHOR ROD	FILL EROSION	REPAIR FOUNDATION	REPLACE RODENT SCREEN	REMOVE GROUT PAD	TENSION STRUCTURAL CONNECTION BOLT	REPLACE END CAP	SECURE/ REPLACE POST CAP	REPAIR DAMPENER	REINSTALL TRUSS	REPLACE SIGN PANEL CONNECTOR	SLOTTED HOLE REPAIR ON SIGN SUPPORT BRACKET
			EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
			SPV.0060.01	SPV.0060.02	SPV.0060.04	SPV.0060.05	SPV.0060.06	SPV.0060.10	SPV.0060.12	SPV.0060.13	SPV.0060.17	SPV.0060.18	SPV.0060.20	SPV.0060.22
Northeast	Brown	S-05-0015									1			
Northeast	Brown	S-05-0026					1							
Northeast	Brown	S-05-0038			1									
Northeast	Brown	S-05-0039											6	
Northeast	Brown	S-05-0040					4							
Northeast	Brown	S-05-0042		2										
Northeast	Brown	S-05-0043					2							
Northeast	Brown	S-05-0049			1									
Northeast	Brown	S-05-0055					4							
Northeast	Brown	S-05-0056			1		4							
Northeast	Brown	S-05-0057					4							
Northeast	Brown	S-05-0058			1		4							
Northeast	Brown	S-05-0064												
Northeast	Brown	S-05-0067					1							
Northeast	Brown	S-05-0077					1							
Northeast	Brown	S-05-0222	6											
Northeast	Brown	S-05-0236	12											
Northwest	Chippewa	S-09-0027												4
Northwest	Chippewa	S-09-0028												7
Northwest	Chippewa	S-09-0029												6
Northwest	Chippewa	S-09-0030												7
Northwest	Douglas	S-16-0004	12											
Northwest	Douglas	S-16-0010				2		4						
Northwest	Dunn	S-17-0004											10	
North Central	Marathon	S-37-0042	8											
North Central	Marathon	S-37-0055							1					
North Central	Marathon	S-37-0058							4					
North Central	Marathon	S-37-0098				1								
North Central	Marathon	S-37-0099												
Northwest	Pierce	S-47-0007	4											
Northwest	Pierce	S-47-0009										1		
Northwest	Polk	S-48-0003												4
Northwest	Polk	S-48-0004												4
Northwest	Polk	S-48-0006												2
North Central	Waupaca	S-68-0002												
North Central	Waushara	S-69-0003								1				
		TOTAL	42	2	4	3	25	4	5	1	1	1	16	34

HWY: VARIOUS COUNTY: VARIOUS Ε PROJECT NO: 1009-30-11 MISCELLANEOUS QUANTITES SCALE: NOT TO SCALE SHEET PLOT SCALE: \$\$.....plotscale.....\$\$
WISDOT/CADDS SHEET 42 3

			SPV.0060.24	SPV.0060.26	SPV.0060.29	SPV.0060.32	SPV.0060.42	SPV.0060.50
Region	County	Structure Number	REPLACE SIGN CONNECTION CLAMP	REPLACE SIGN BRIDGE ID PLAQUE	ADJUST SIGNAL BAND MOUNT	REPLACE WASHERS AT PEDESTAL CONNECTION	REPLACE ATTENUATOR BARRELS	TRAFFIC CONTROL - SINGLE LANE CLOSURE
			EA	EA	EA	EA	EA	EA
			SPV.0060.24	SPV.0060.26	SPV.0060.29	SPV.0060.32	SPV.0060.42	SPV.0060.50
Northeast	Brown	S-05-0015						1
Northeast	Brown	S-05-0026						
Northeast	Brown	S-05-0038						
Northeast	Brown	S-05-0039					2	1
Northeast	Brown	S-05-0040						
Northeast	Brown	S-05-0042						
Northeast	Brown	S-05-0043						
Northeast	Brown	S-05-0049						
Northeast	Brown	S-05-0055						2
Northeast	Brown	S-05-0056						2
Northeast	Brown	S-05-0057						2
Northeast	Brown	S-05-0058						2
Northeast	Brown	S-05-0064	3					1
Northeast	Brown	S-05-0067						1
Northeast	Brown	S-05-0077						
Northeast	Brown	S-05-0222						1
Northeast	Brown	S-05-0236						2
Northwest	Chippewa	S-09-0027						2
Northwest	Chippewa	S-09-0028						2
Northwest	Chippewa	S-09-0029						2
Northwest	Chippewa	S-09-0030						2
Northwest	Douglas	S-16-0004						
Northwest	Douglas	S-16-0010						1
Northwest	Dunn	S-17-0004						1
North Central	Marathon	S-37-0042						
North Central	Marathon	S-37-0055						1
North Central	Marathon	S-37-0058						1
North Central	Marathon	S-37-0098						
North Central	Marathon	S-37-0099			2			2
Northwest	Pierce	S-47-0007			_			_
Northwest	Pierce	S-47-0009						
Northwest	Polk	S-48-0003						2
Northwest	Polk	S-48-0004						2
Northwest	Polk	S-48-0006						1
North Central	Waupaca	S-68-0002		1		4		
North Central	Waushara	S-69-0003		_		-		1
		TOTAL	3	1	2	4	2	35
			_	_	_		_	

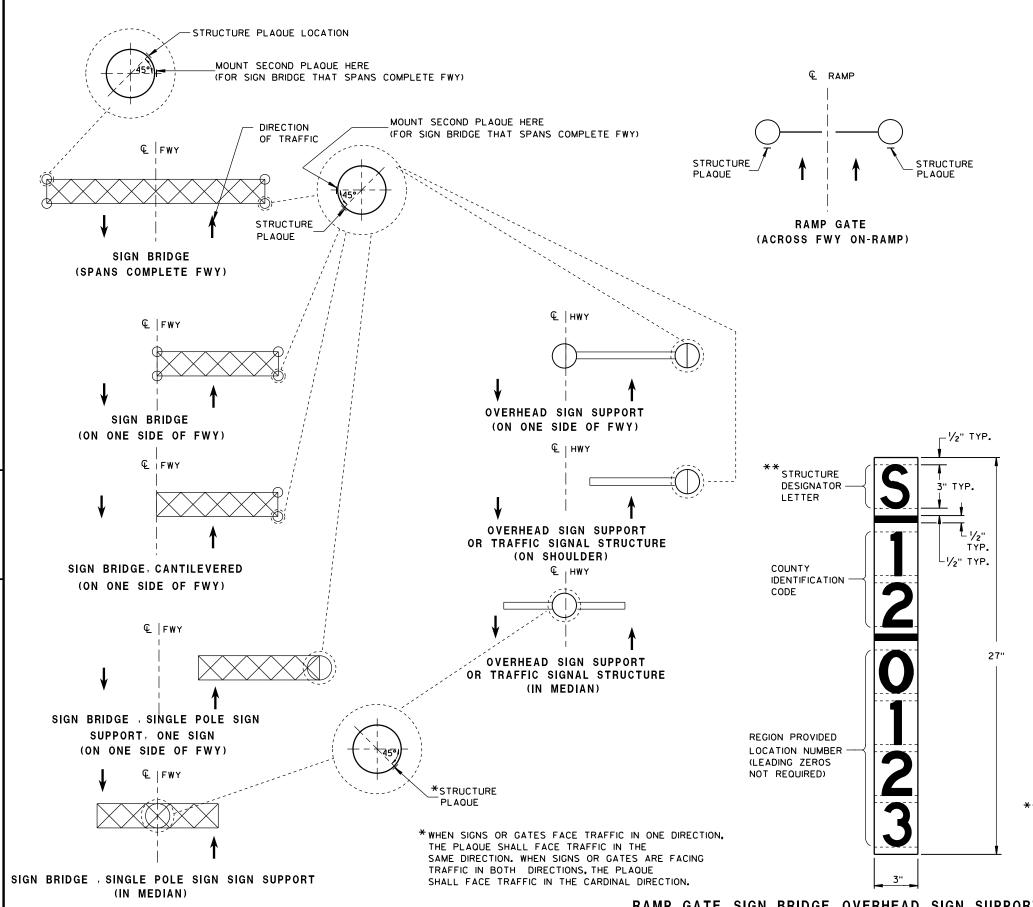
HWY: VARIOUS Ε PROJECT NO: 1009-30-11 COUNTY: VARIOUS MISCELLANEOUS QUANTITES SCALE: NOT TO SCALE SHEET PLOT SCALE: \$\$.....plotscale.....\$\$
WISDOT/CADDS SHEET 42

Standard Detail Drawing List

12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15D03-04	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D12-06B	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
15D20-04	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-04	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-03	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D37-02	TRAFFIC CONTROL, 2-LANE ROUNDABOUT



3.D.D. 12 A 4-3



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 \triangleright

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD

SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES

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.

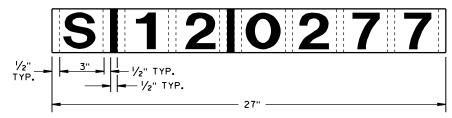
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

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

DATE STATE TRAFFIC ENGINEER OF DESIGN

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



ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

R11-2 SHALL BE 48" X 30". R11-3, R11-4 AND R10-61 SHALL BE 60" X 30". M4-9 SHALL BE 30" X 24". M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.) M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.) M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

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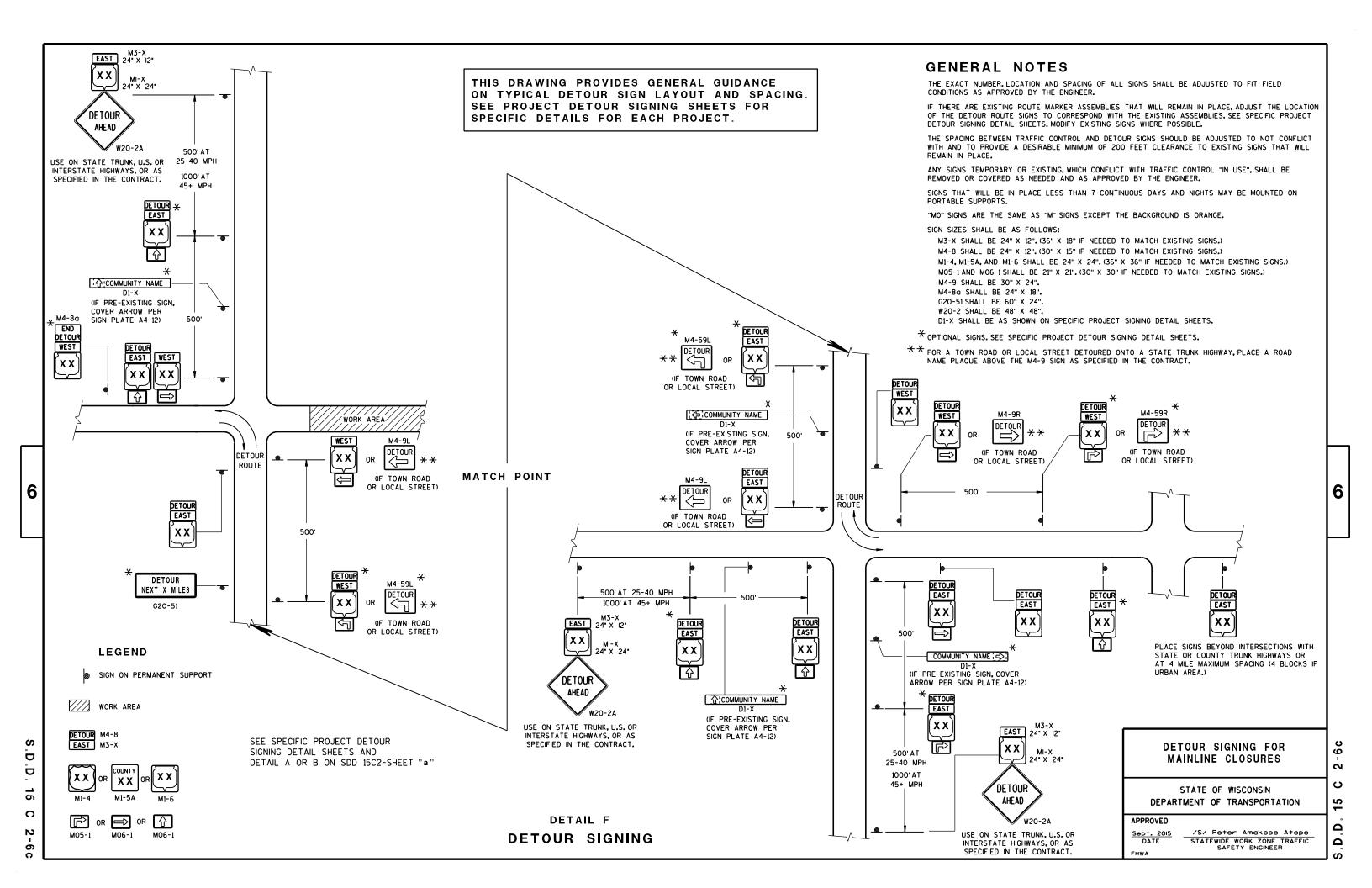
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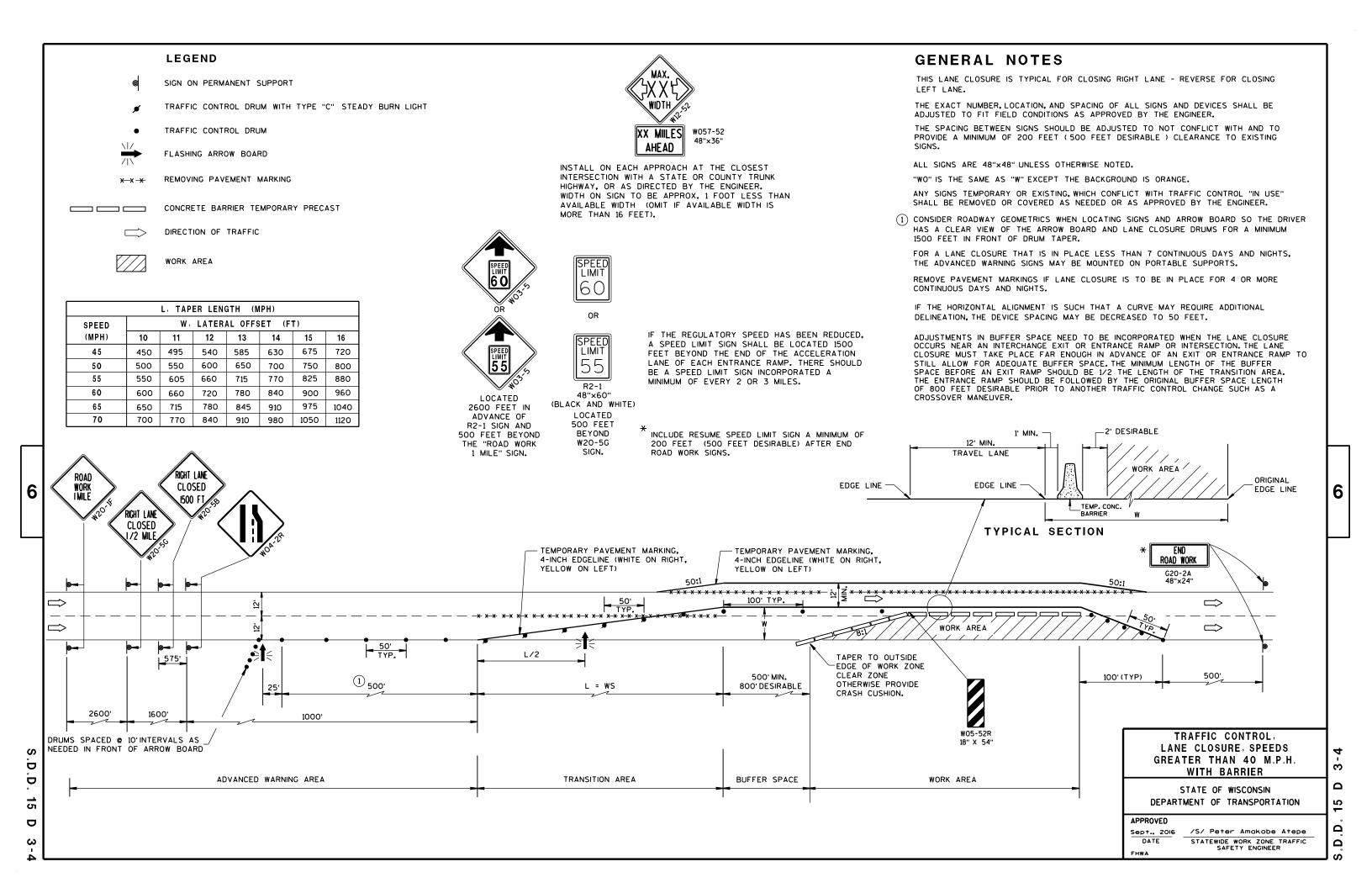
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

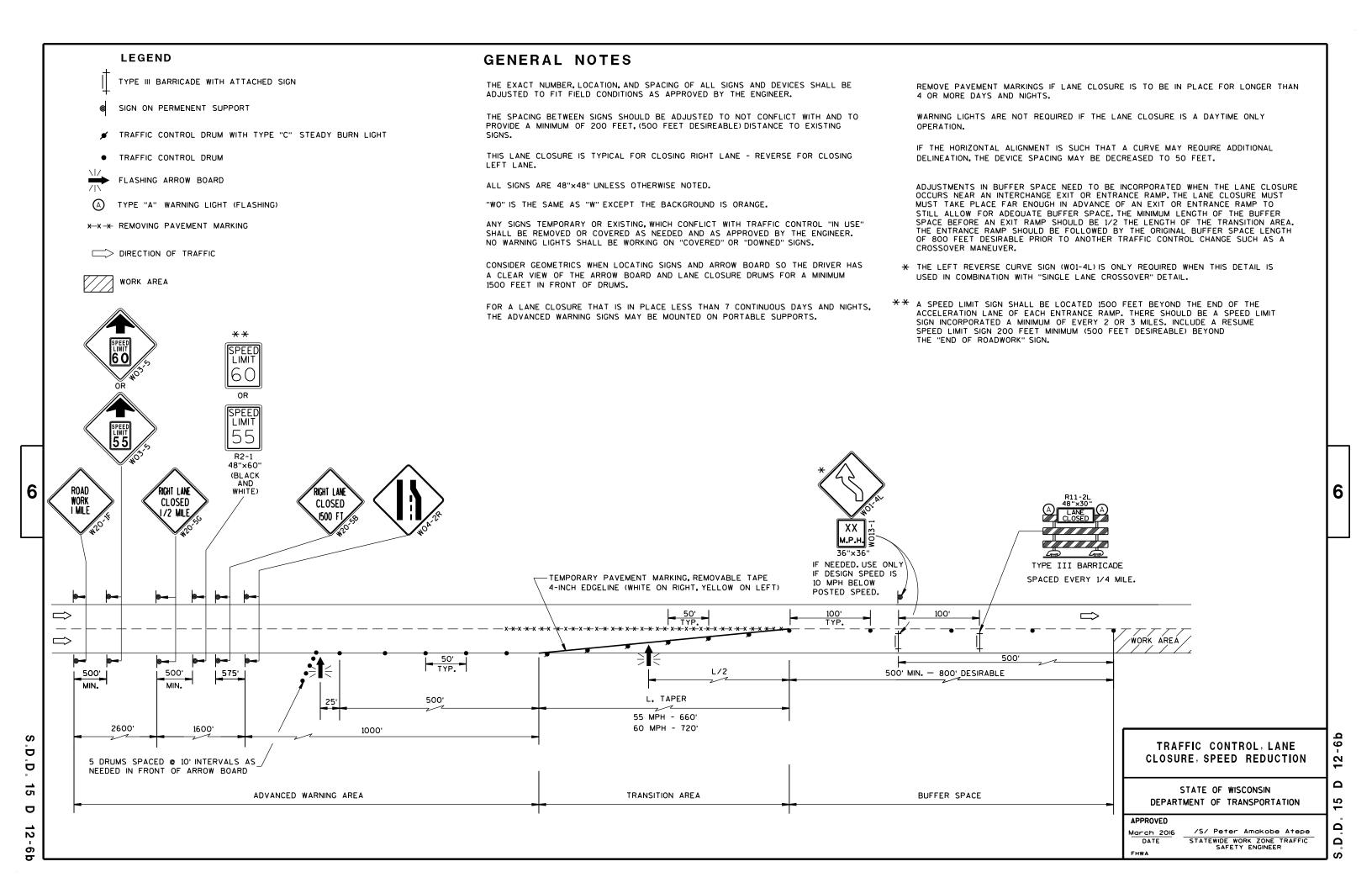
/S/ Peter Amakobe Atepe

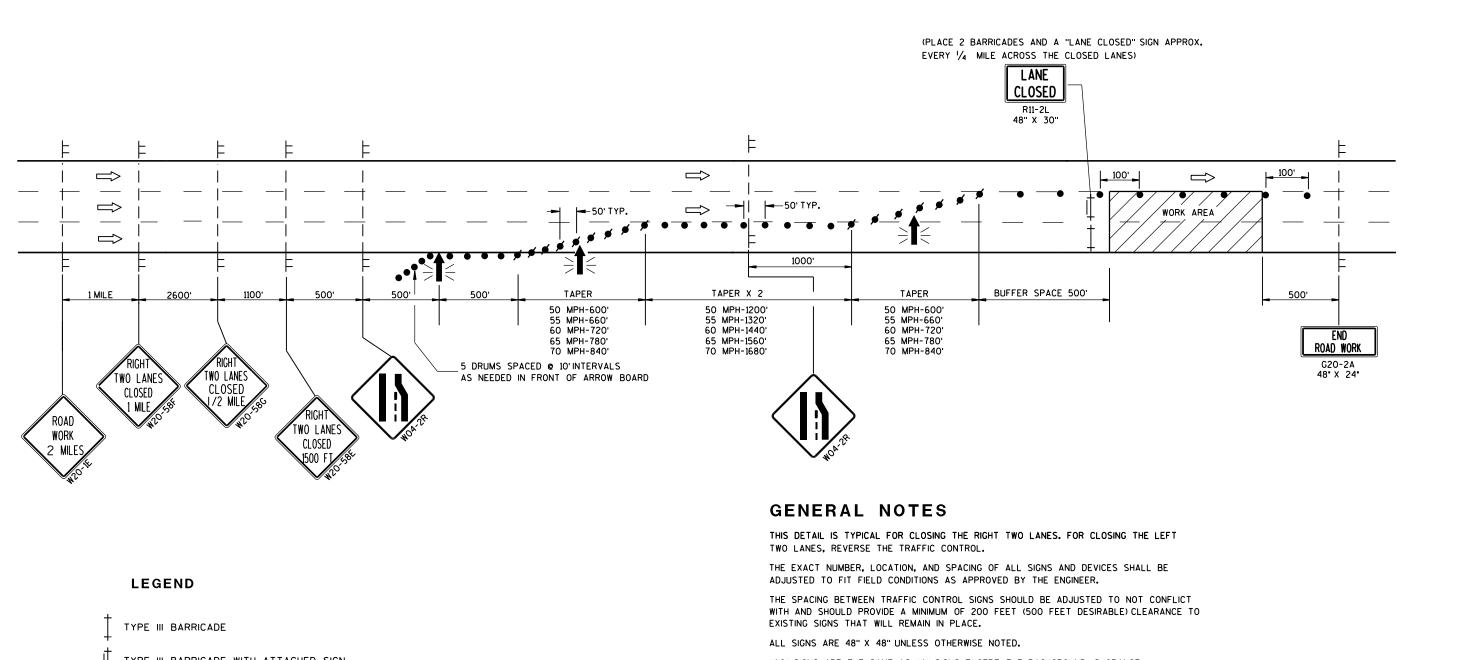
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER





GENERAL NOTES LEGEND THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. 4 OR MORE DAYS AND NIGHTS. TYPE III BARRICADE WITH ATTACHED SIGN 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 WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION. SIGN ON PERMENENT SUPPORT IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING DELINEATION. THE DEVICE SPACING MAY BE DECREASED TO 50 FEET. LEFT LANE. TRAFFIC CONTROL DRUM ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST FLASHING ARROW BOARD "WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE. 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. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" TYPE "A" WARNING LIGHT (FLASHING) 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 SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS. * X -X REMOVING PAVEMENT MARKING CROSSOVER MANEUVER. CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS * THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL. DIRECTION OF TRAFFIC 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. 6 6 WORK CLOSED CLOSED I MILE 1500 F XX м.Р.н 36"×36" IF NEEDED. USE ONLY TYPE III BARRICADE IF DESIGN SPEED IS TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE SPACED EVERY 1/4 MILE. 10 MPH BELOW 4-INCH EDGELINE (WHITE ON RIGHT, YELLOW ON LEFT) POSTED SPEED. 100' \Rightarrow \Rightarrow \Longrightarrow WORK AREA 50' L/2 500' MIN. - 800' DESIRABLE 575 L. TAPER 500 50 MPH - 600' 55 MPH - 660' 2600' 1600' 1000' 60 MPH - 720' TRAFFIC CONTROL, 9 65 MPH - 780' D 70 MPH - 840' LANE CLOSURE 5 DRUMS SPACED @ 10' INTERVALS AS 2 Ö NEEDED IN FRONT OF ARROW BOARD 15 Δ STATE OF WISCONSIN ADVANCED WARNING AREA TRANSITION AREA BUFFER SPACE DEPARTMENT OF TRANSPORTATION D **APPROVED** /S/ Peter Amakobe Atepe 2 March 2016 STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER Ω 6 FHWA





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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

"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-IE 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.

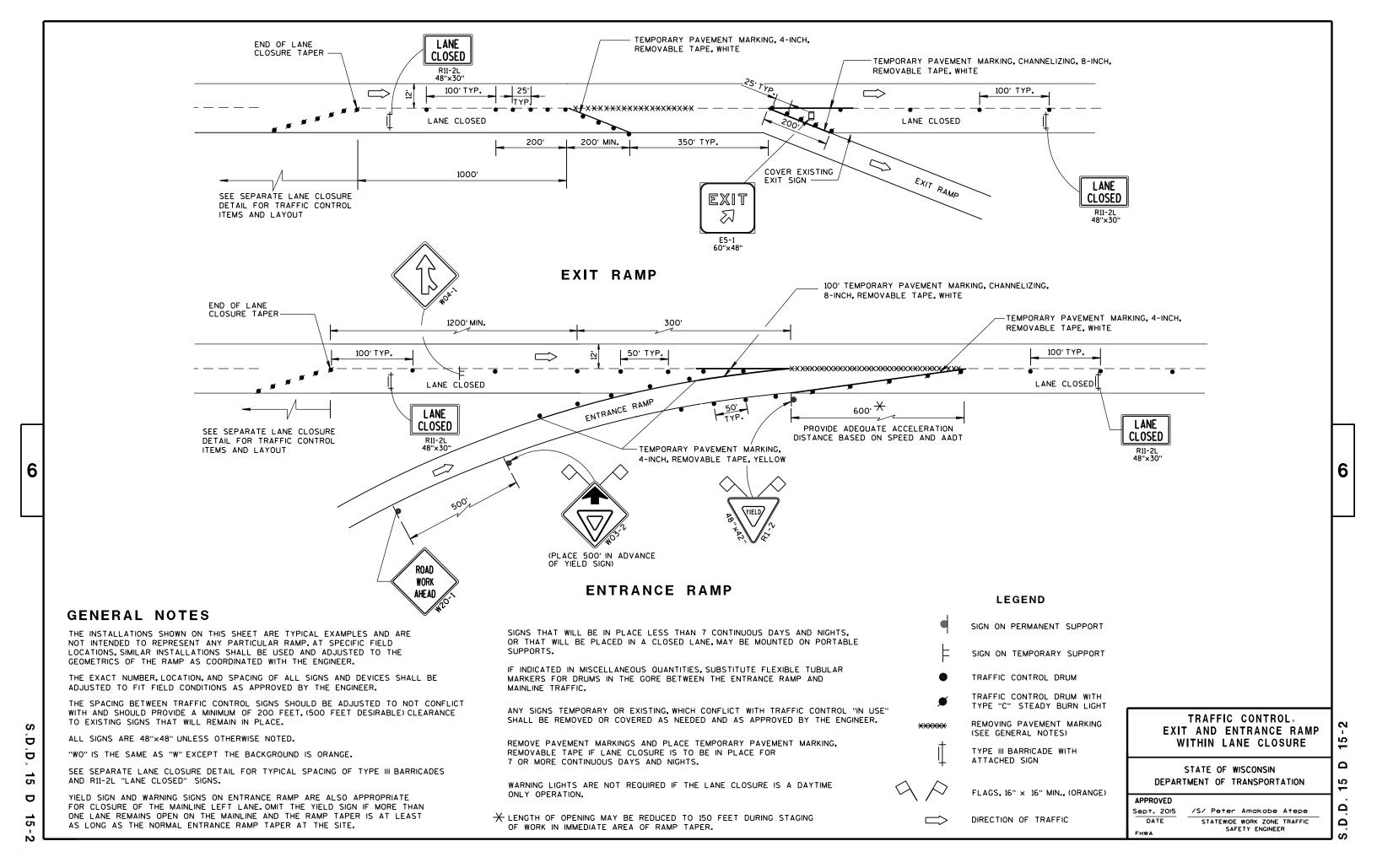
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

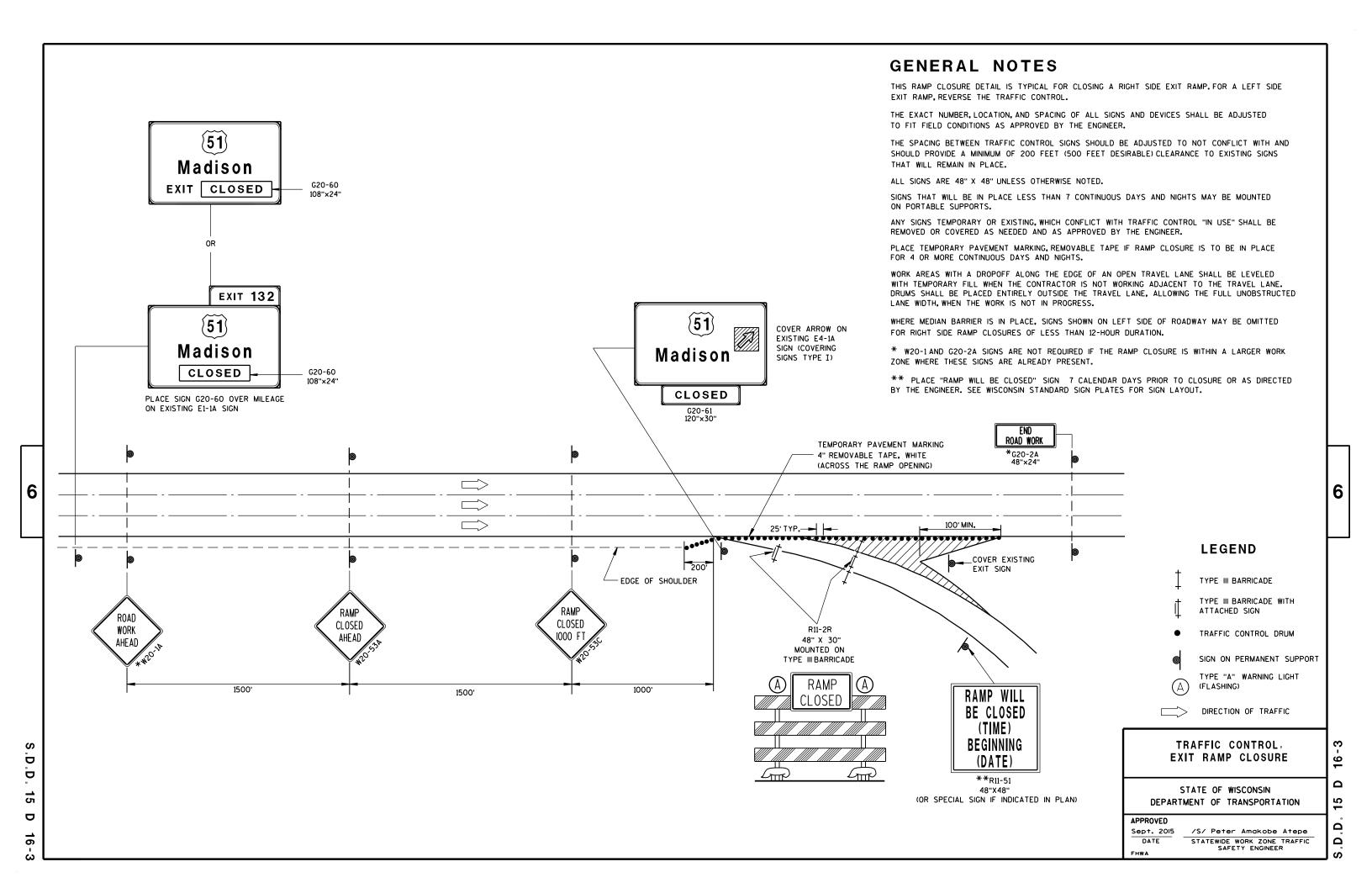
TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT TERM (LESS THAN 24 HOURS)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

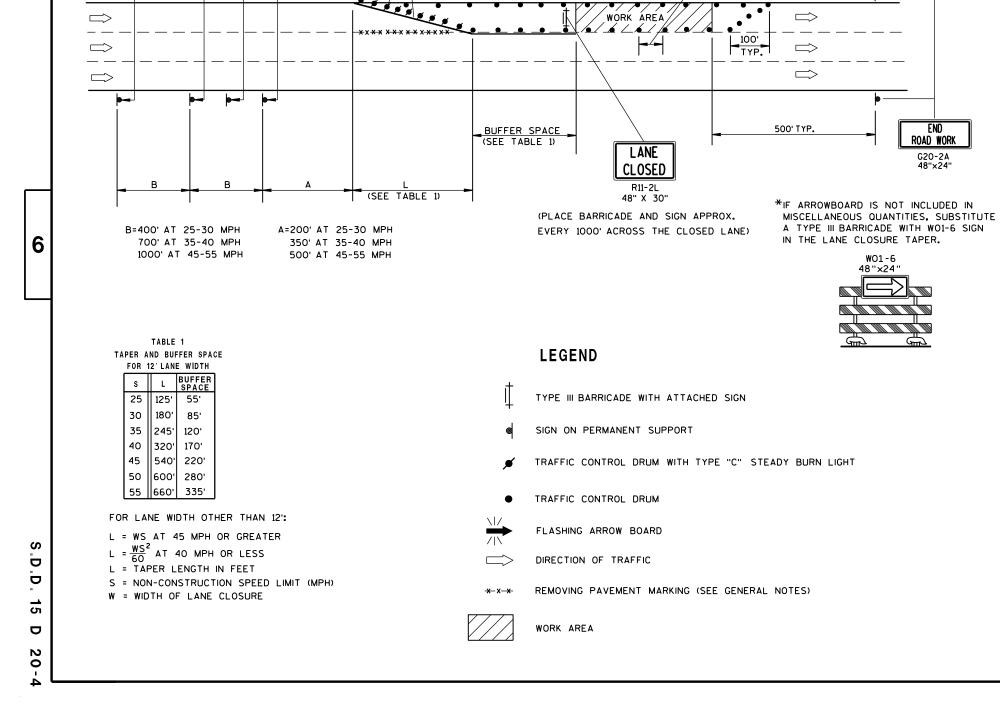
July 14, 2015 /S/ Peter Amakobe Atepe DATE STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

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(5) DRUMS SPACED @ 10'

INTERVALS AS NEEDED IN

FRONT OF ARROW BOARD

TEMPORARY PAVEMENT MARKING.

4-INCH REMOVABLE TAPE (WHITE ON RIGHT,

25'@ 35 MPH OR LESS 50'@ 40 MPH OR MORE

YELLOW ON LEFT)

SPACING:

ROAD WORK

NEXT___MILES

G20-1

60" X 24"

CLOSED

AHEAD

AHEAD

GENERAL NOTES

**THE LINE OF DRUMS SHOWN ALONG THE MEDIAN/CENTERLINE

ADJACENT TO THE WORK AREA. FOR THIS CONDITION INSTALL

W20-1 "ROAD WORK AHEAD" SIGN FOR OPPOSING DIRECTION OF

50' MAX. @ 35 MPH OR LESS

100' MAX. @ 40 MPH OR MORE

IS REQUIRED ONLY WHERE THERE IS OPPOSING TRAFFIC

TRAFFIC. IN ADVANCE OF THE WORK AREA.

SPACING:

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"×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, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

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

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

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

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

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

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

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

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

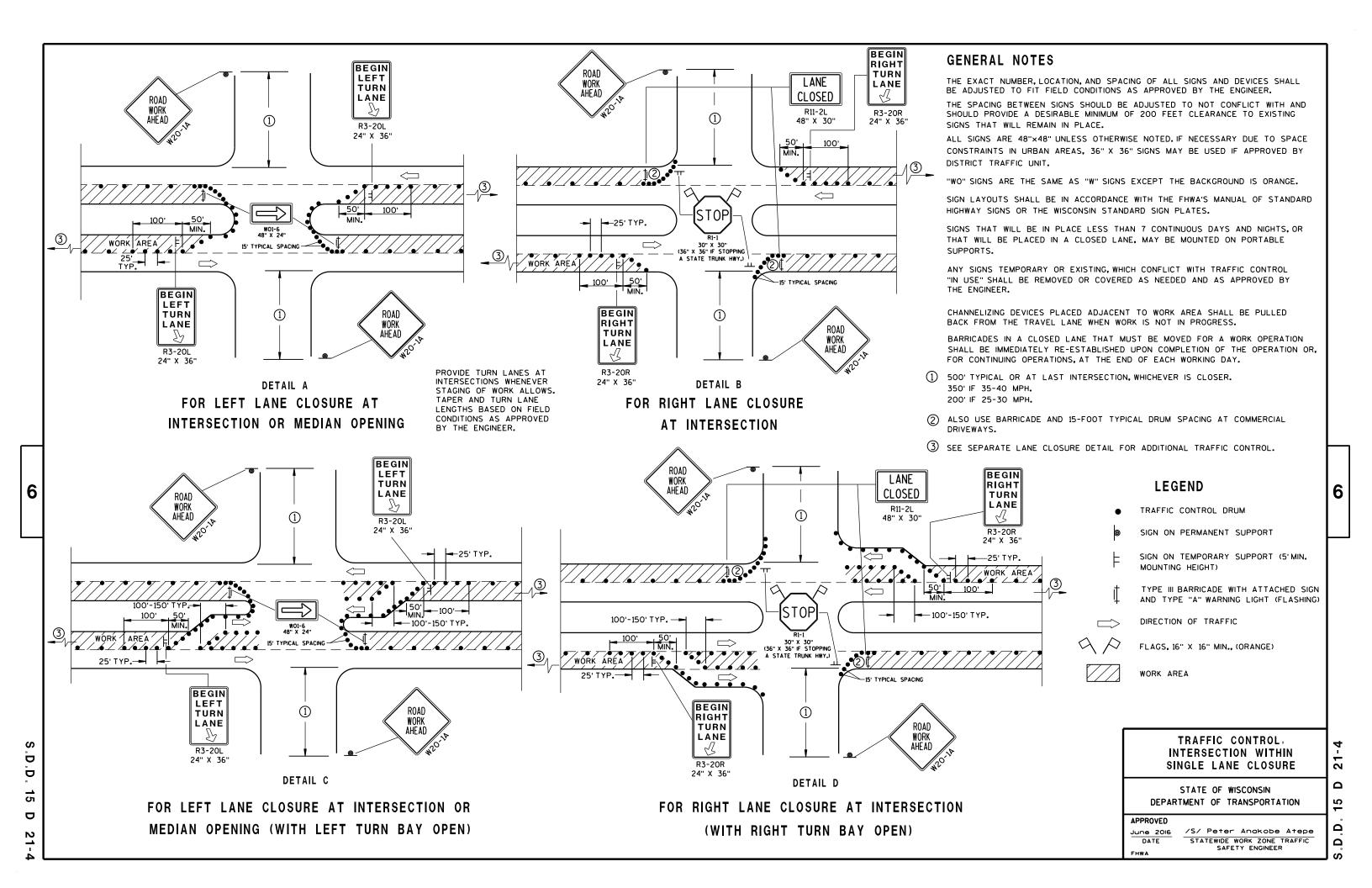
TRAFFIC CONTROL SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED June 2016

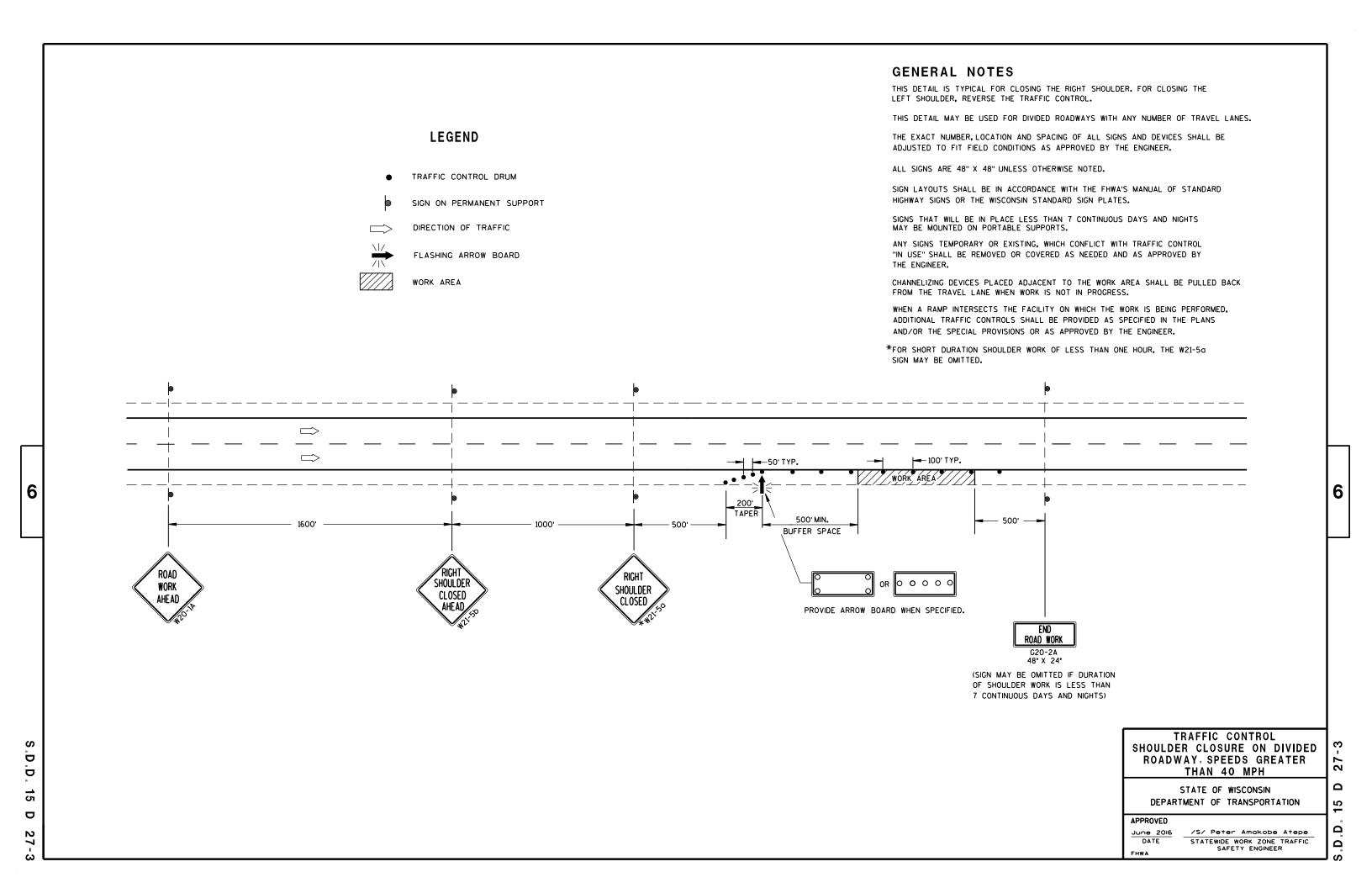
/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

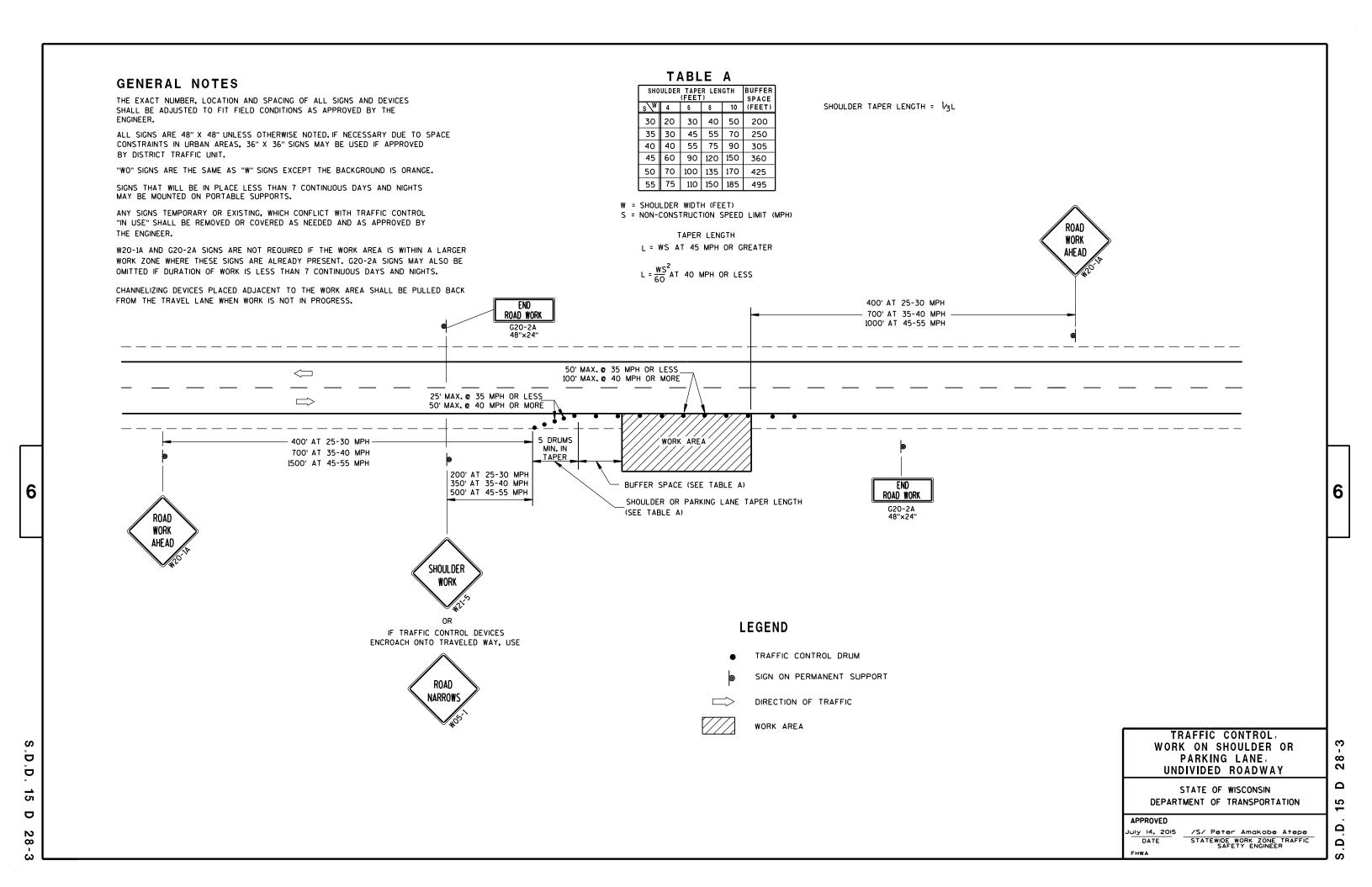
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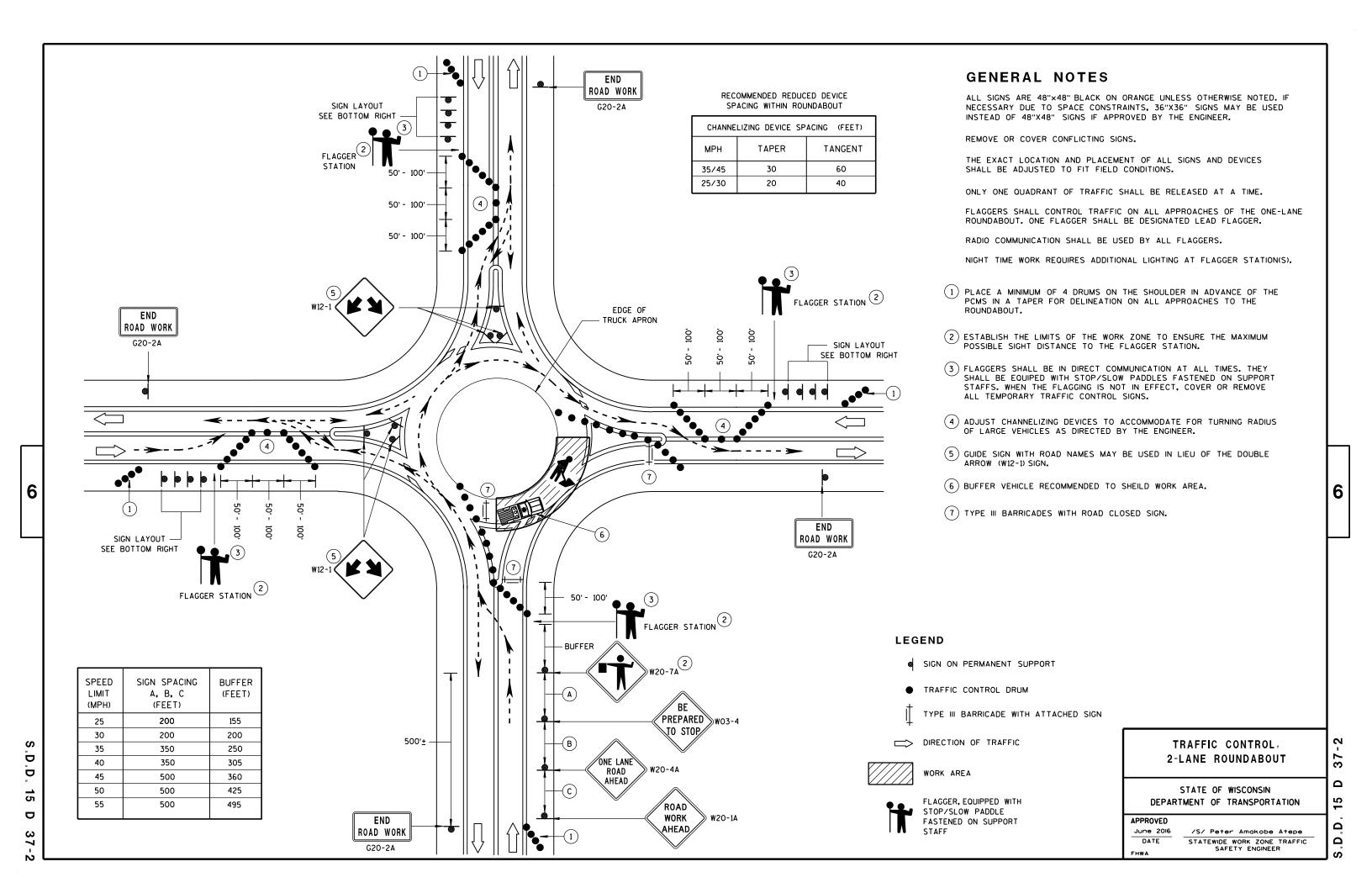


June 2016

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







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38. S-48-0004 39. S-48-0006	STRUCTURE NUMBER	ELEVATION VIEW SHEET NUMBER	HIGHWAY	TENSION ANCHOR ROD	FILL EROSION	REPAIR FOUNDATION	REPLACE RODENT SCREEN	REMOVE GROUT PAD	REPLACE WASHERS AT PEDESTAL CONNECTION	REPLACE ATTENUATOR BARRELS
40. S-68-0002				SPV.0060.01	SPV.0060.02	SPV.0060.04	SPV.0060.05	SPV.0060.06	SPV.0060.32	SPV.0060.42
				EA	EA	EA	EA	EA	EA	EA
41. S-69-0003	S-05-0026	7 OF 41	IH-43					1		
	S-05-0038	8 OF 41	IH-43			1				
	S-05-0039	9 OF 41	IH-43							2
	S-05-0040	10 OF 41	STH 172					4		
	S-05-0042	11 OF 41	STH 172		2					
	S-05-0043	12 OF 41	IH-43					2		
	S-05-0049	13 OF 41	STH 172			1				
	S-05-0055	14 OF 41	STH 54					4		
	S-05-0056	15 OF 41	STH 54			1		4		
	S-05-0057	16 OF 41	STH 54					4		
	S-05-0058	17 OF 41	STH 54			1		4		
	S-05-0067	19 OF 41	STH 54					1		
11111	S-05-0077	20 OF 41	WALNUT ST.					1		
NS/N/	S-05-0222	21 OF 41	CTH G	6						
6-1	S-05-0236	22 OF 41	CTH VK	12						
B. With	S-16-0004	27 OF 41	IH-535	12						
P. DT 6-6	S-16-0010	28 OF 41	IH-535				2			
6-6	S-37-0042	30 OF 41	USH 51	8						
150	S-37-0098	33 OF 41	ADAMS ST				1			
10	S-47-0007	35 OF 41	USH 10	4						
ENT	S-68-0002	40 OF 41	STH 110						4	
T.E.R.		TOTAL QUANTITY*		42	2	4	3	25	4	2

REPAIR FOUNDATION (TYP.)-

ANCHOR RODS -

TOWN TOWN PETAN

FOUNDATION DETAIL

GROUT PAD DETAIL

FOUNDATION NOTES

1. CONCRETE - fc' = 3,500 PSI

2. BAR STEEL REINF. - GRADE 60 fy = 60,000 PSI

3. THE CONTRACOR SHALL FIELD VERIFY EXACT LOCATIONS OF ALL REPAIRS.

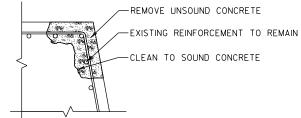
4. THE CONTRACTOR SHALL FIELD VERIFY DIMENSION OF THE ITEM REQUIRED. DISCREPANCIES SHALL BE SUBMITTED TO THE ENGINEER FOR CLARIFICATION PRIOR TO BEGINNING WORK.

5. APPLY ZINC-RICH PAINT TO THE ANCHOR RODS, NUTS, WASHERS, AND LEVELING NUTS IN ACCORDANCE WITH SPECIICATIONS AFTER REMOVING THE GROUT PAD OR TENSIONING THE ANCHOR ROD. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM, "REMOVE GROUT PAD" OR "TENSION ANCHOR RODS".

6. STEEL ANCHOR ROD NUTS AND WASHERS SHALL BE AASHTO M314 GRADE 55 fy = 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.



REPAIR FOUNDATION DETAIL

PEDESTAL BOLTS-

-GROUT PAD

-FOOTING

WASHERS -

PEDESTAL WASHER DETAIL

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

8

CONSULTANT CONTACT: BRIAN SCHMIDT (608) 831-3238



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

C. Drehuson 02/20/17 ACCEPTED William CHIEF STRUCTURES DESIGN ENGINEER

SIGN BRIDGE REPAIR NE & NC

COUNTY
NE & NC REGION WIDE

TOWN/CITY/VILLAGE
VARIOUS DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS DESIGNED BRS CK'D. TD BY BRS CK'D.

SHEET 1 OF 41

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LIST OF REPAIR DRAWINGS

37. S-48-0003

BRIAN R.

SCHMIDT

E-43306-6 SAUK CITY

WF

TYPICAL ERODED AREA (VARIES)-

ADDITIONAL FILL (VARIES)-

FOUNDATION DETAILS

2. TRUSS DETAILS (1 OF 2)

3. TRUSS DETAILS (2 OF 2)

6. S-05-0015

7. S-05-0026

8. S-05-0038

9. S-05-0039

10. S-05-0040

11. S-05-0042

12. S-05-0043

13. S-05-0049

14. S-05-0055

15. S-05-0056

16. S-05-0057

17. S-05-0058 18. S-05-0064 19. S-05-0067

20. S-05-0077

21. S-05-0222 22. S-05-0236 23. S-09-0027 24. S-09-0028

25. S-09-0029

26. S-09-0030

27. S-16-0004

28. S-16-0010

29. S-17-0004

30. S-37-0042

31. S-37-0055

32. S-37-0058

33. S-37-0098

34. S-37-0099

35. S-47-0007

36. S-47-0009

4. SIGN PANEL DETAILS (1 OF 2)

5. SIGN PANEL DETAILS (2 OF 2)

REGION WIDE VARIOUS STH HWY

FOUNDATION DETAILS

ANCHOR RODS-FOOTING

REGRADE/FILL EROSION AT STRUCTURE FOUNDATION

RODENT SCREEN DETAIL

THE ELEVATION VIEW SHEETS.

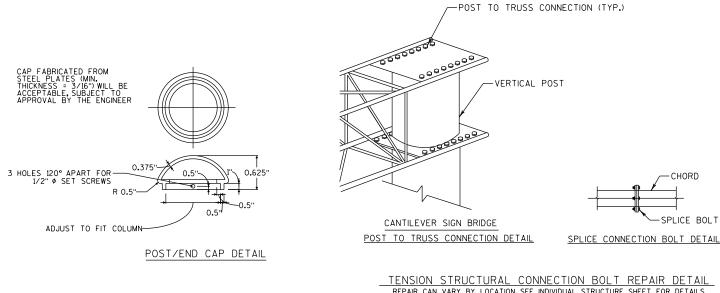
TABLE OF ESTIMATED QUANTITES FOR TRUSS*

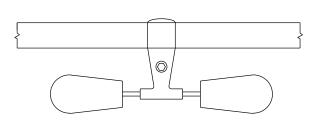
STRUCTURE NUMBER	ELEVATION VIEW SHEET NUMBER	HIGHWAY	TENSION STRUCTURAL CONNECTION BOLT		SECURE/ REPLACE POST CAP	REPAIR DAMPENER	REINSTALL TRUSS SPV.0060.18	
			SPV.0060.10	SPV.0060.12	SPV.0060.13	SPV.0060.17		
			EA	EA	EA	EA	EA	
S-05-0015	6 OF 41	STH 172				1		
S-16-0010	28 OF 41	IH-535	4					
S-37-0055	31 OF 41	USH 51		1				
S-37-0058	32 OF 41	USH 51		4				
S-47-0009	36 OF 41	STH 35					1	
S-69-0003	41 OF 41	STH 21			1			
	TOTAL QUANTITY*		4	5	1	1	1	

^{*} THE INFORMATION PROVIDED IN THIS TABLE IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT TO BE COUNTED AS ADDITIONAL QUANTITES 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 STEEL BOLTS.
- 5. DAMPENER TO BE REPLACED WITH ONE OF THE SAME SIZE, SHAPE, AND WEIGHT OF CURRENT DAMPENER INSTALLED.
- 6. INSTALL DAMPENER ON A TOP CHORD DIAGONAL NEAR MID-SPAN.





REPAIR DAMPENER DETAIL

REPAIR CAN VARY BY LOCATION, SEE INDIVIDUAL STRUCTURE SHEET FOR DETAILS

NO. DATE REVISION ΒY

SIGN BRIDGE REPLACEMENT

CHECKED TD DRAWN BY: BRS

2 OF 41 TRUSS DETAILS (1 OF 2)

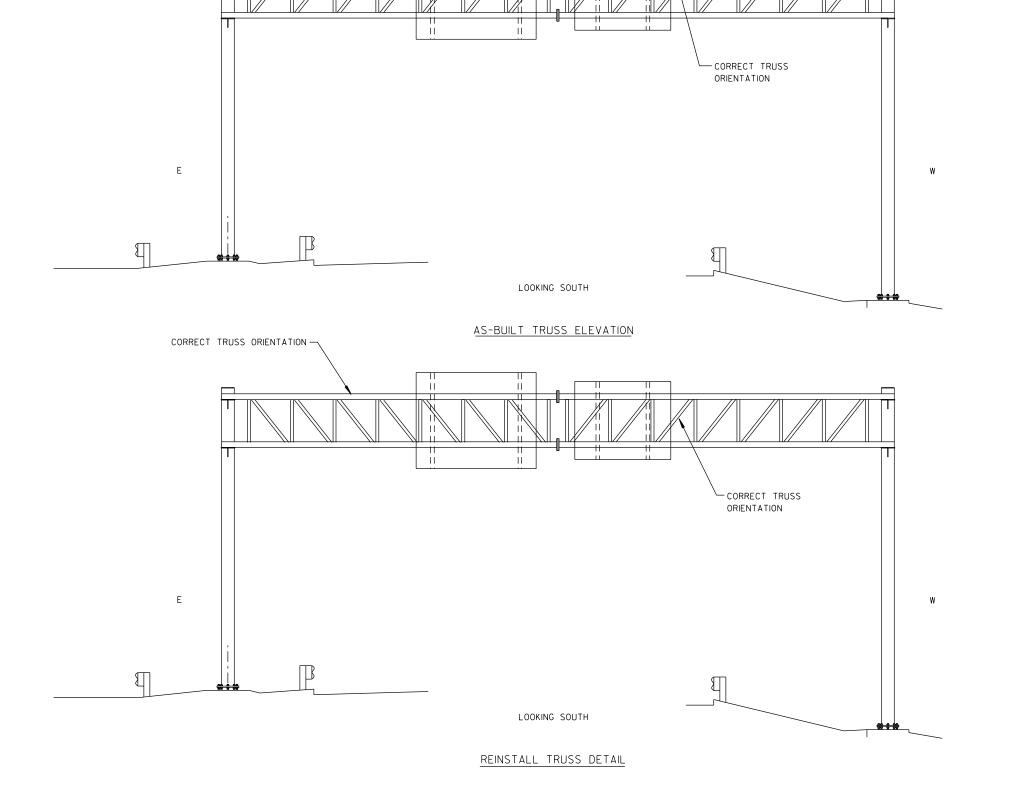
1009-30-11



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.0060.18 - REINSTALL TRUSS

2. ALL STAINLESS STEEL BOLTS, LOCK WASHERS, AND NUTS SHALL CONFORM TO:

- -ANCHOR BOLTS/HEX BOLTS ASTM F593 ANY ALLOW GROUPS 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
- 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& IISIGNS ON THE TRUSS SHALL BE CONSIDERED INCIDENTAL TO SPV.0060.18 REINSTALL TRUSS.



INCORRECT TRUSS ORIENTATION -

NO. DATE REVISION BY

SIGN BRIDGE REPLACEMENT

DRAWN BY: BRS CHECKED TD BY: TD SHEET

TRUSS DETAIL (2 OF 2) SHEET

3 OF 41

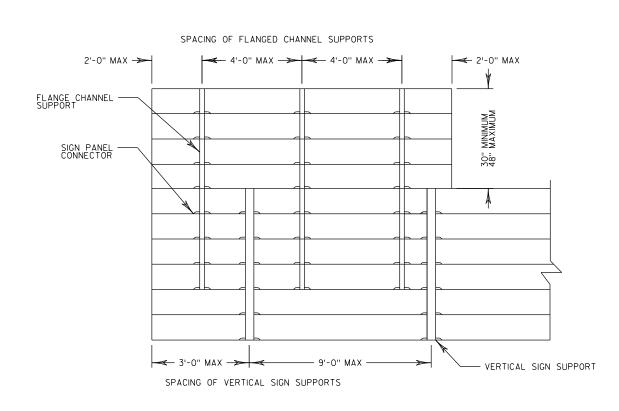
TABLE OF ESTIMATED QUANTITES FOR SIGN PANELS*

STRUCTURE NUMBER	ELEVATION VIEW SHEET NUMBER	HIGHWAY	REPLACE SIGN PANEL CONNECTOR	SLOTTED HOLE REPAIR ON SIGN SUPPORT BRACKET	REPLACE SIGN CONNECTION CLAMP	REPLACE SIGN BRIDGE ID PLAQUE	ADJUST SIGNAL BAND MOUNT
			SPV.0060.20	SPV.0060.22	SPV.0060.24	SPV.0060.26	SPV.0060.29
			EA	EA	EA	EA	EA
S-05-0039	9 OF 41	IH-43	6				
S-05-0064	18 OF 41	STH 172			3		
S-09-0027	23 OF 41	STH 178		4			
S-09-0028	24 OF 41	STH 124		7			
S-09-0029	25 OF 41	STH 124		6			
S-09-0030	26 OF 41	STH 29 - BUS		7			
S-17-0004	29 OF 41	IH-94	10				
S-37-0099	34 OF 41	STH 13					2
S-48-0003	37 OF 41	USH 8		4			
S-48-0004	38 OF 41	USH 8		4			
S-48-0006	39 OF 41	USH 8		2			
S-68-0002	40 OF 41	STH 110				1	
	TOTAL QUANTITY*			34	3	1	2

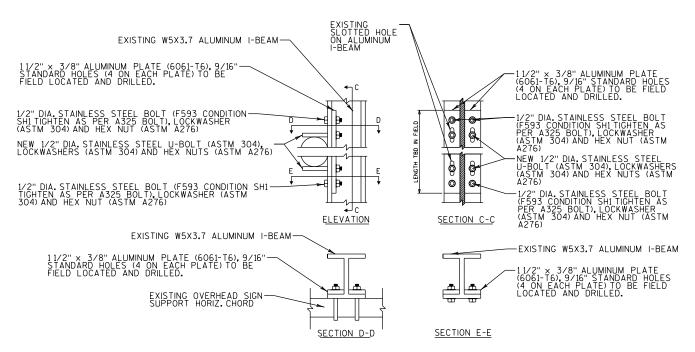
^{*} THE INFORMATION PROVIDED IN THIS TABLE IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT TO BE COUNTED AS ADDITIONAL QUANTITES TO THOSE LISTED ON THE ELEVATION VIEW SHEETS.

SIGN PANEL 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 PSIAND ELONGATION OF 15% FOR OVER 3/4" AND 12% FOR 3/4" DIAMETER AND SMALLER.



FLANGE CHANNEL SUPPORT/VERTICAL SIGN SUPPORT DETAILS

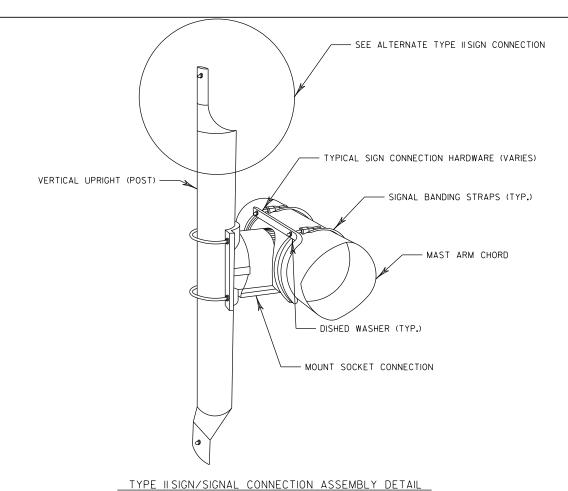


SLOTTED VERTICAL SIGN SUPPORT REPAIR DETAIL EACH REPAIR INCLUDES ALL BOLT CONNECTIONS PER I-BEAM

NO.	DATE	REVISION						BY	
SIGN BRIDGE REPLACEMENT									
				DRAWN BY:	BR	S	CHECKE BY:	D TD	
	SI	GN	PAN	<u>iEL</u>		SHEE			
DETAILS -							4 OF	41	
	(1 C	F 2)					

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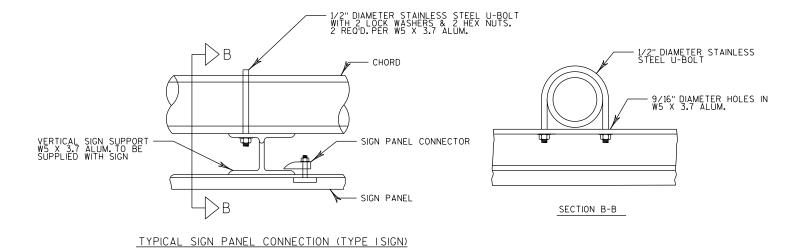


SIGN CONNECTION CLAMP

PLAN VIEW

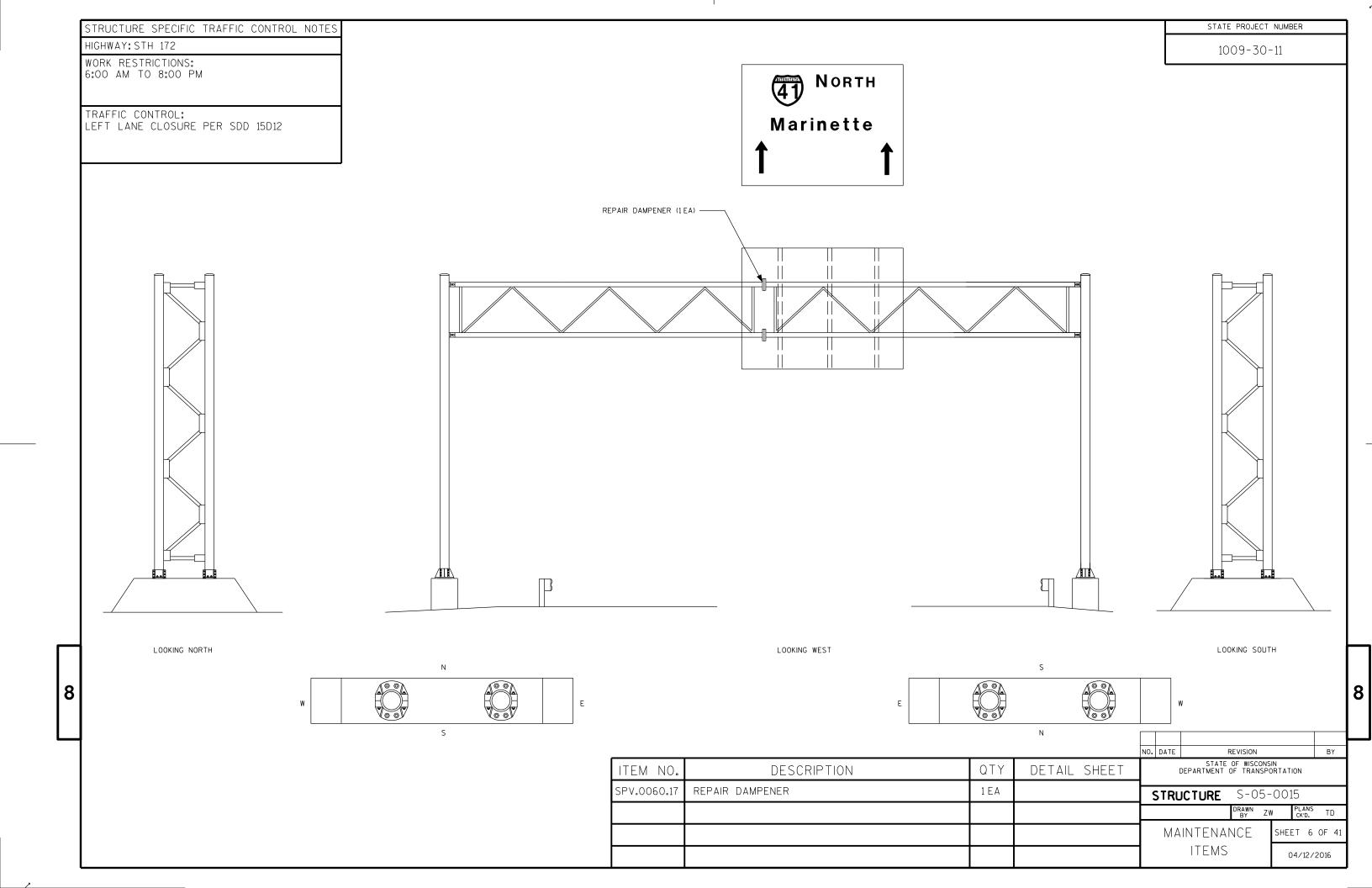
ELEVATION VIEW

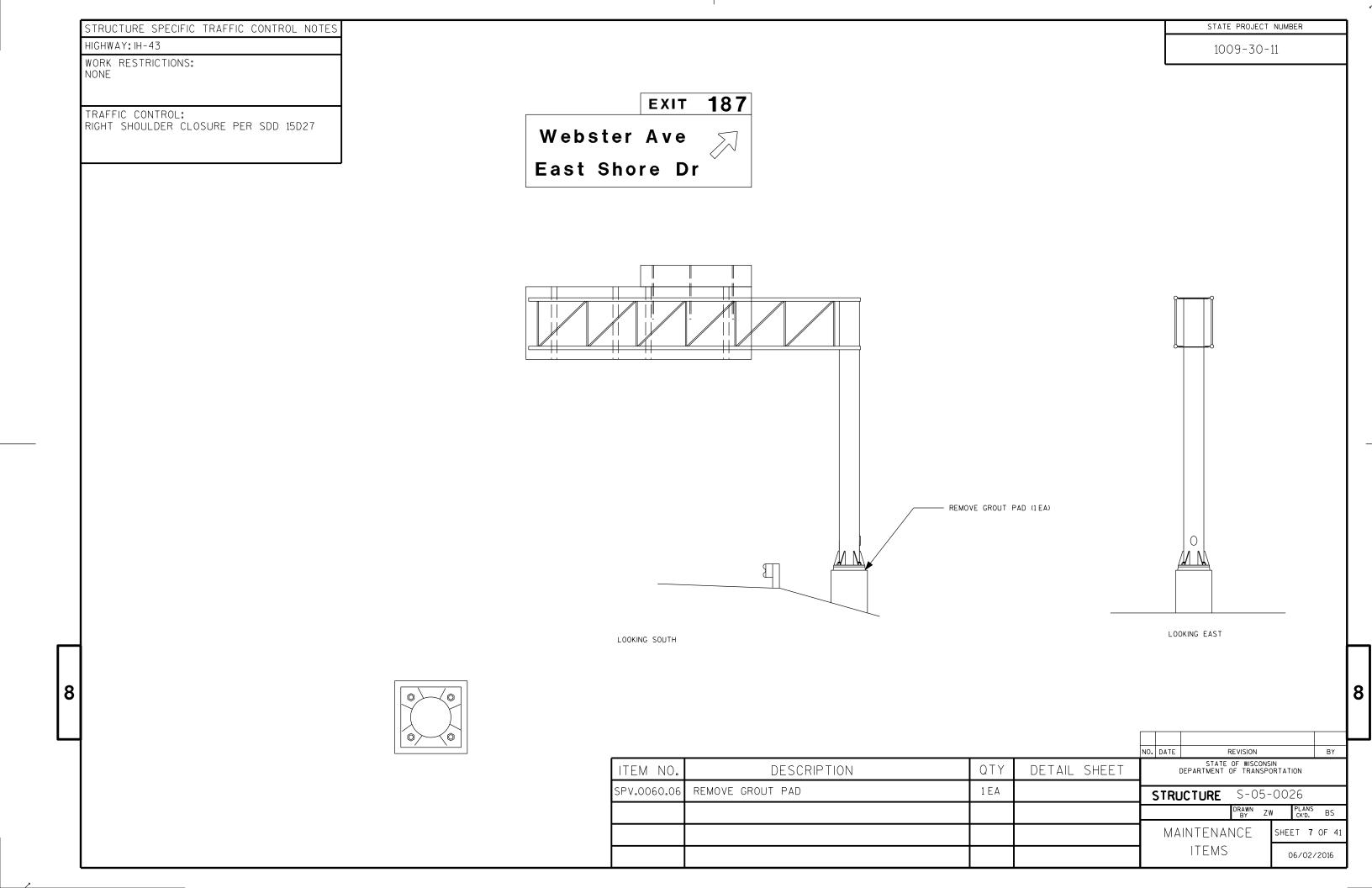
ALTERNATE TYPE IISIGN CONNECTION DETAIL - SIGN CONNECTION CLAMP

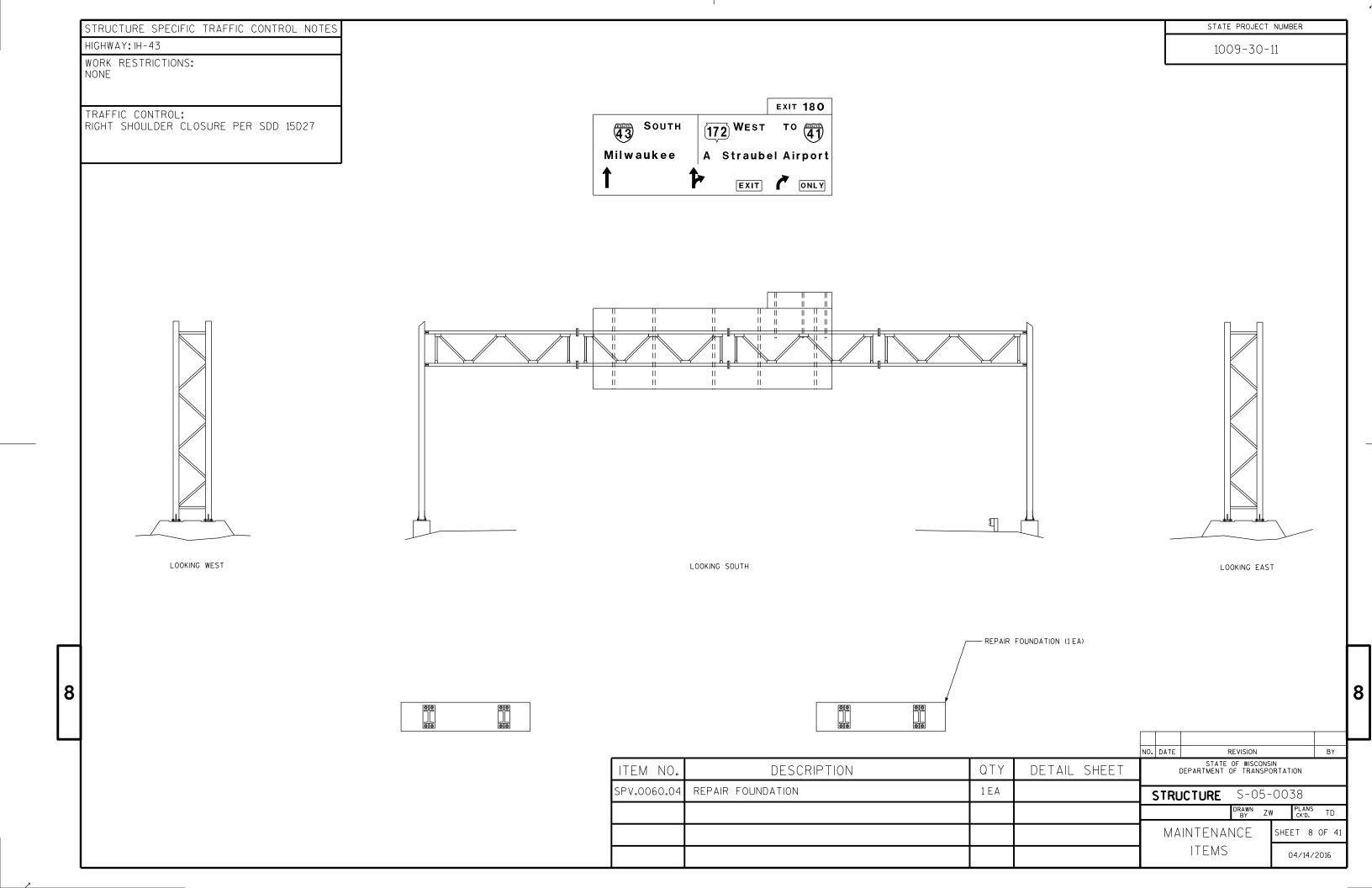


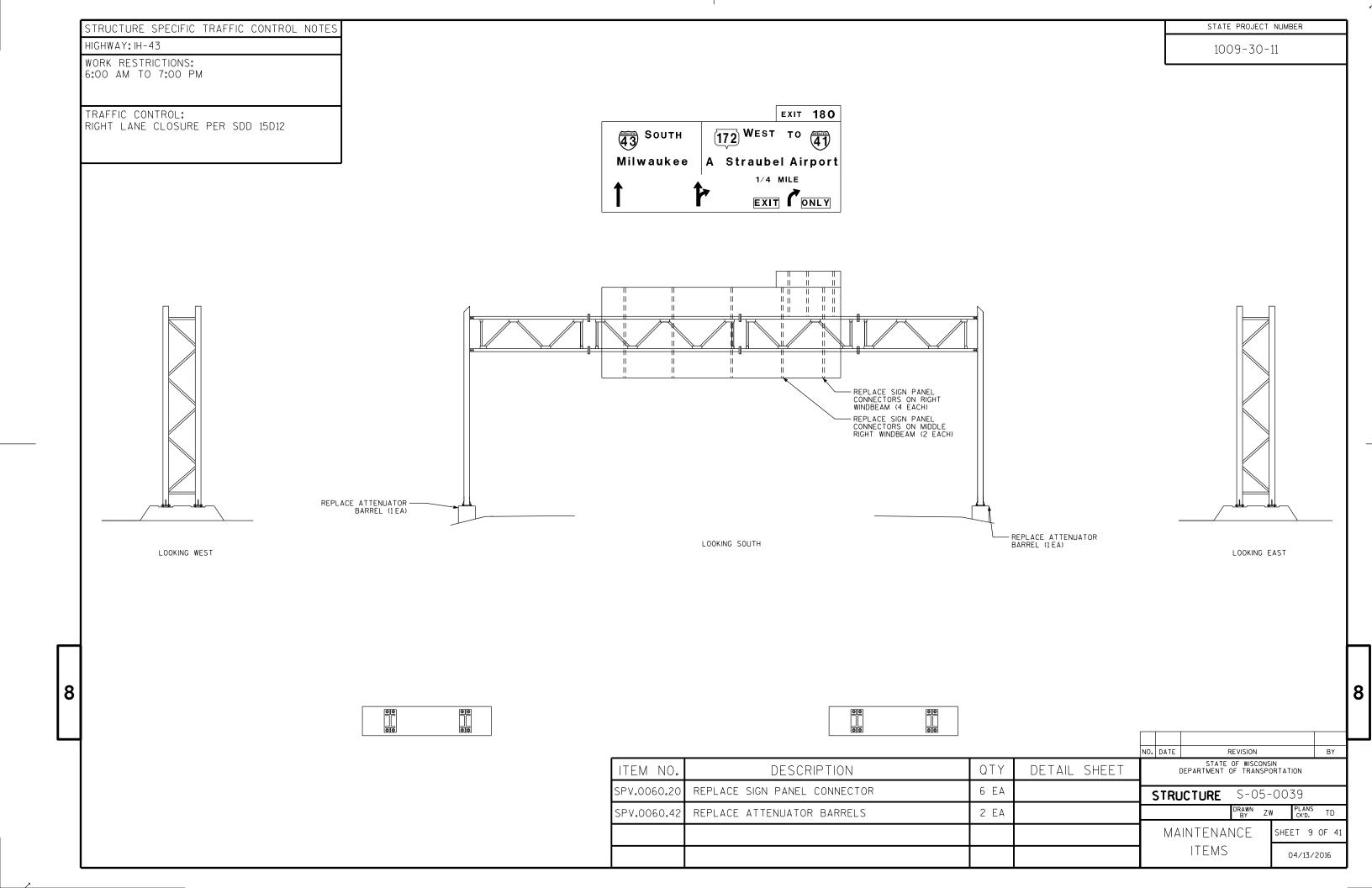
NO.	DATE	REVISION	BY						
SIGN BRIDGE REPAIR 2016									
		DRAWN BRS CHECKED BY: BRS BY:) TD						
	[OF 2)	41						
	(2	UF Z)							

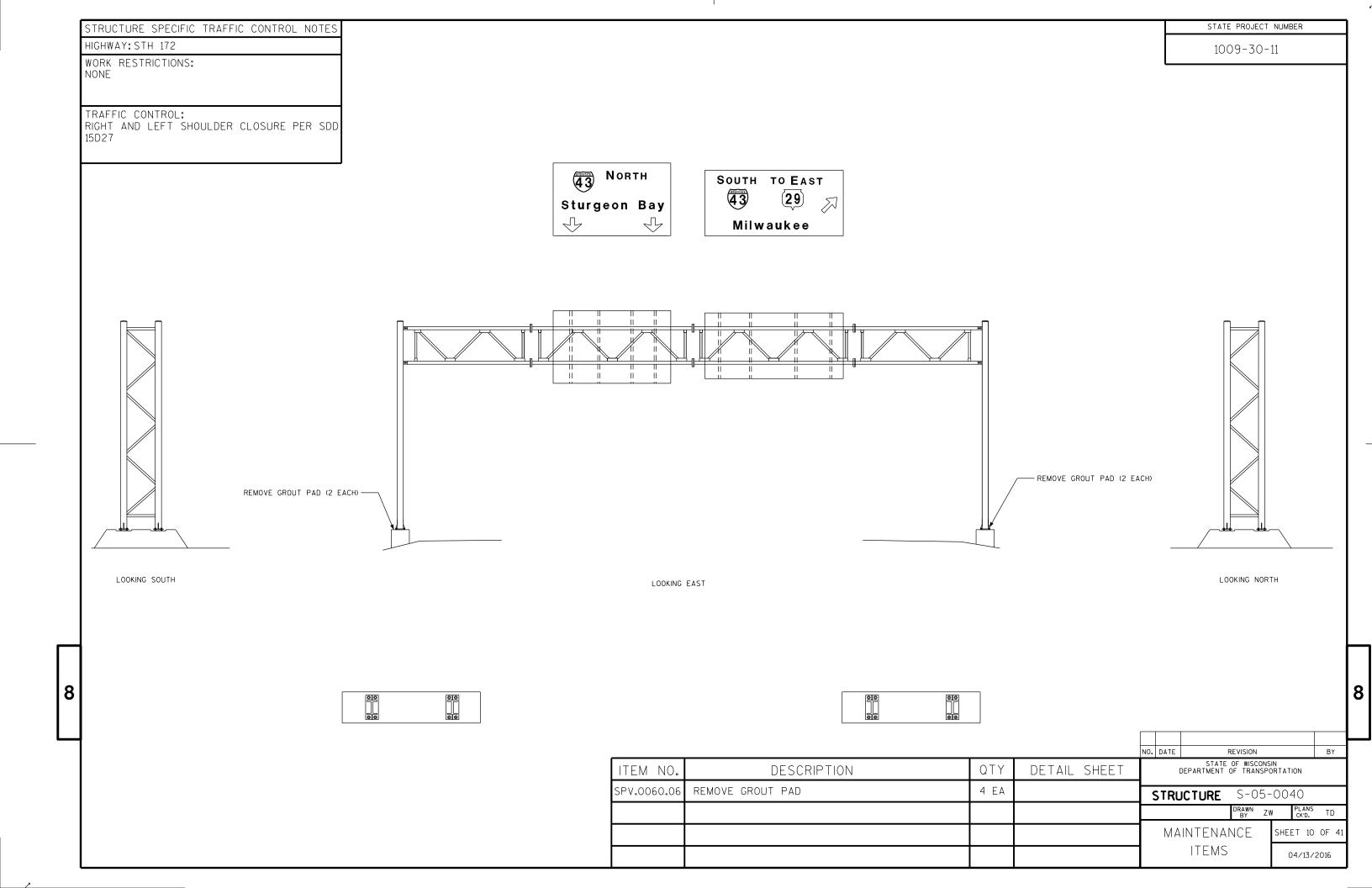
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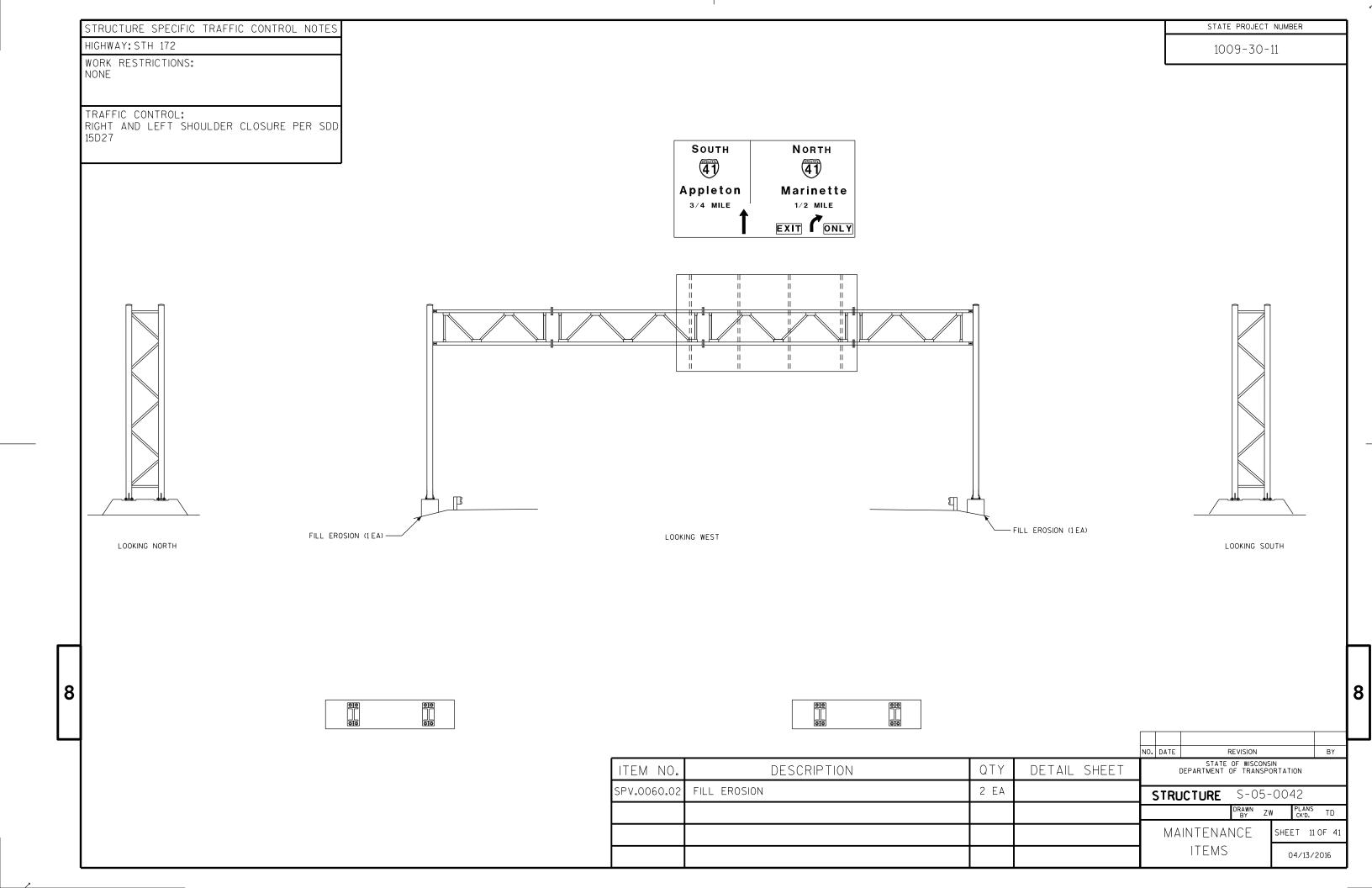


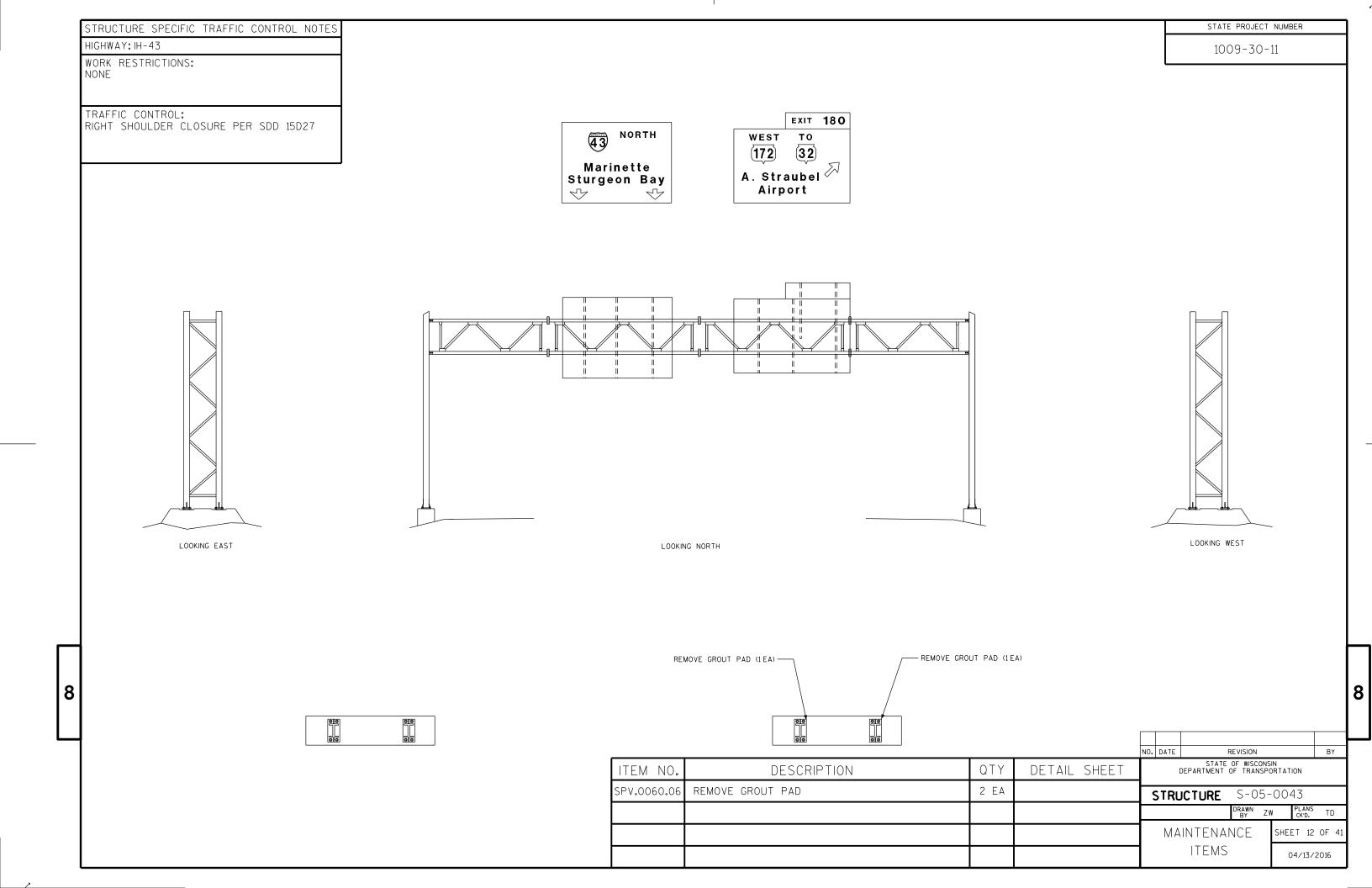


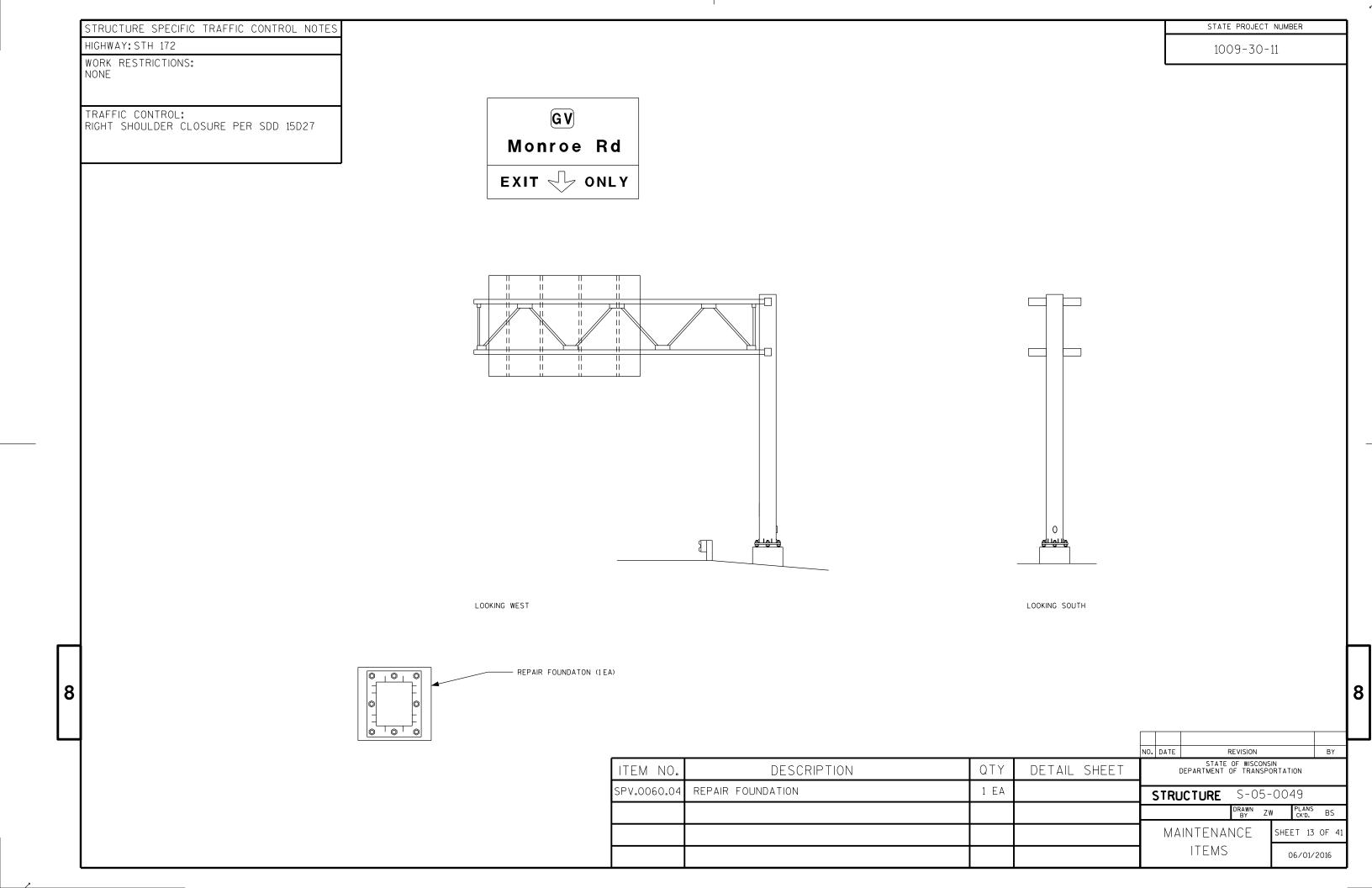


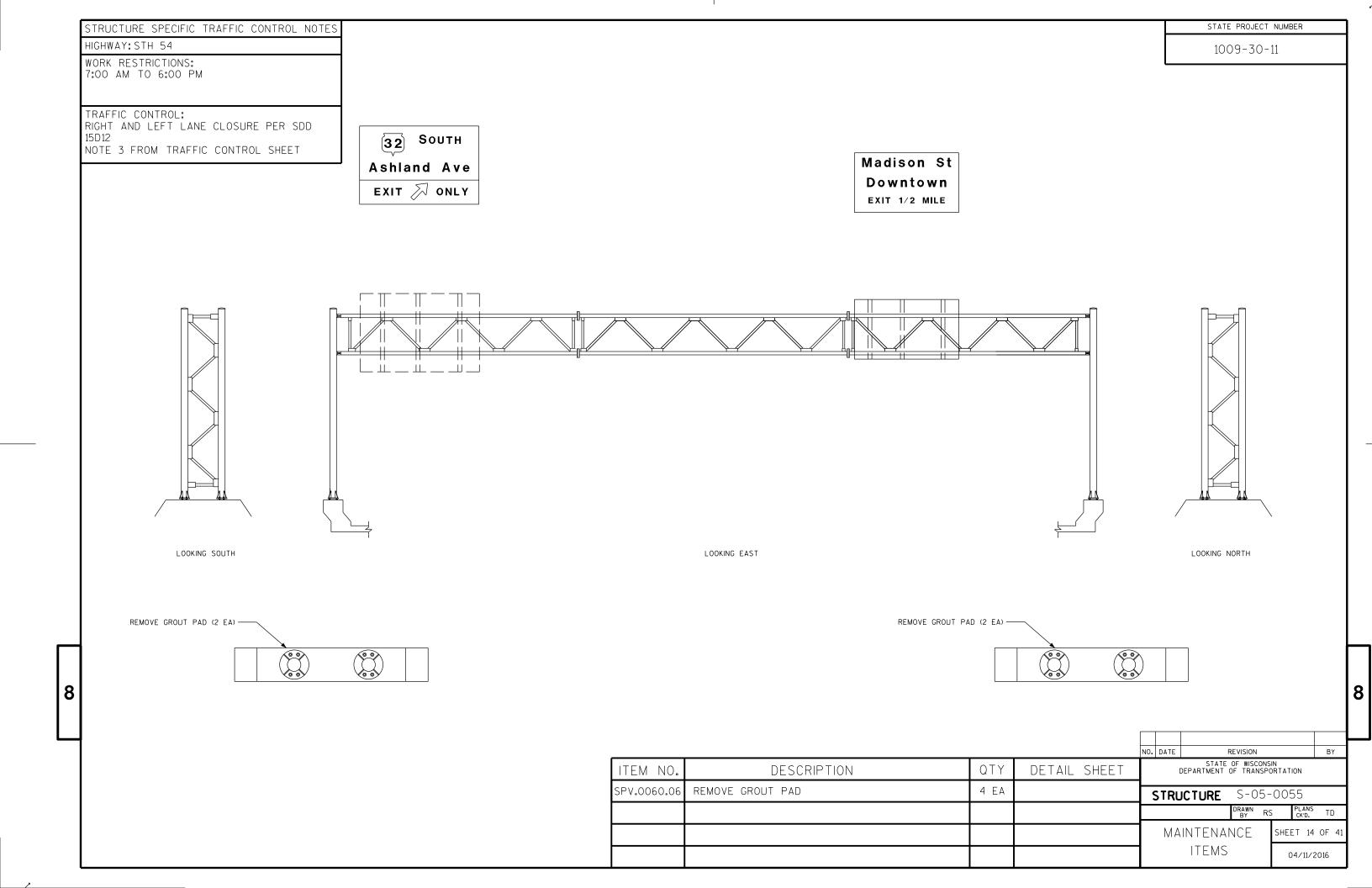


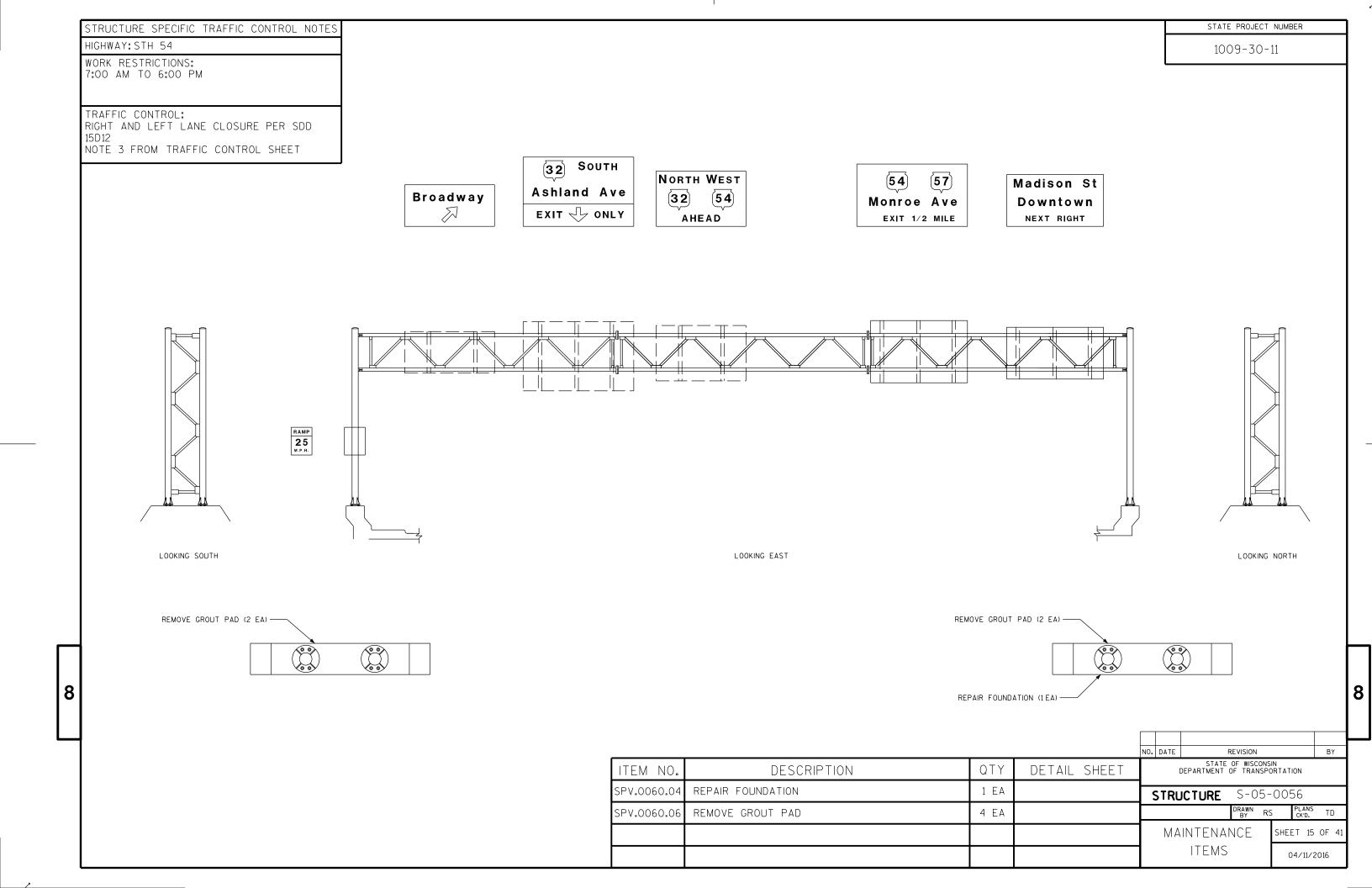


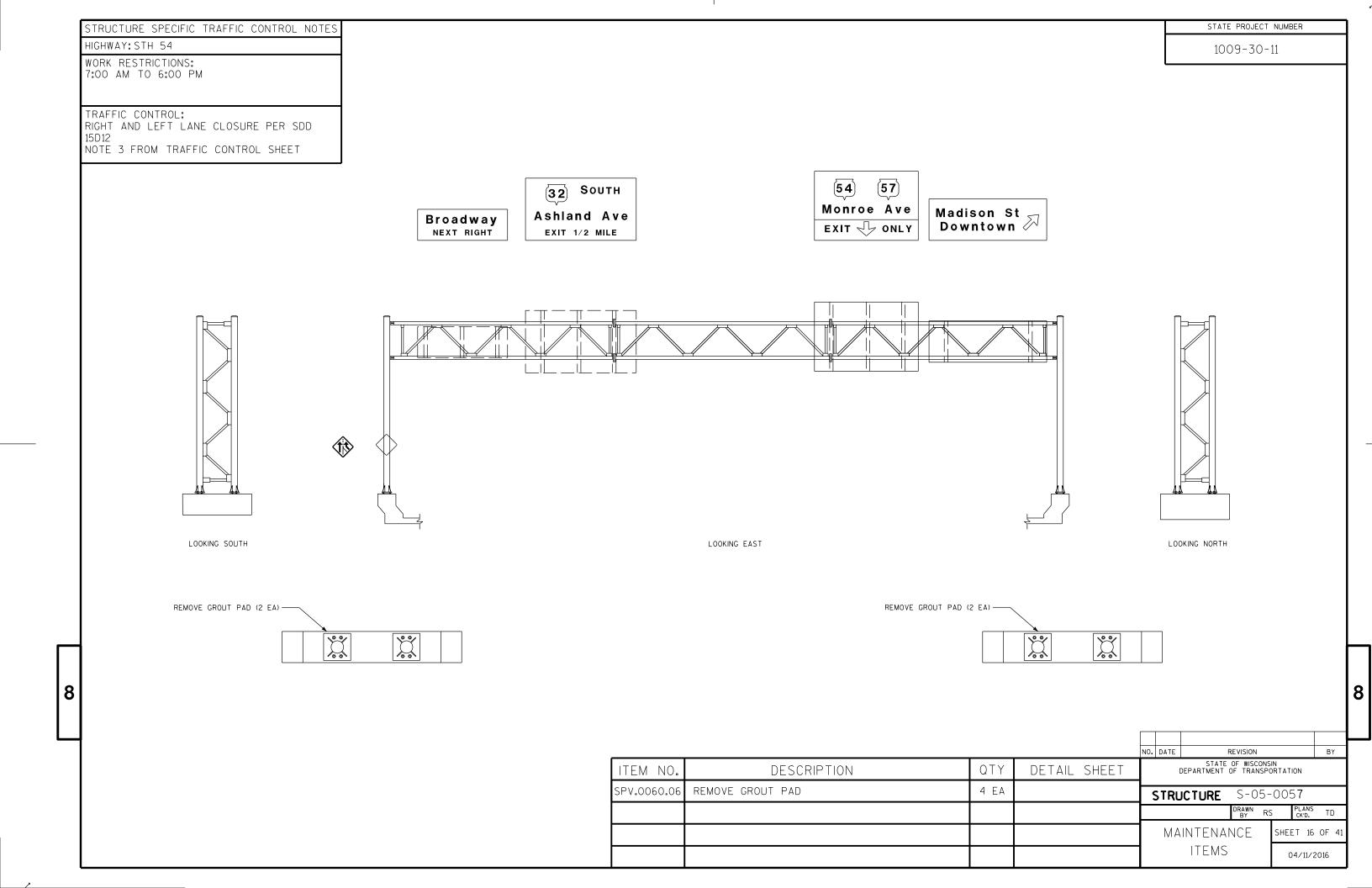


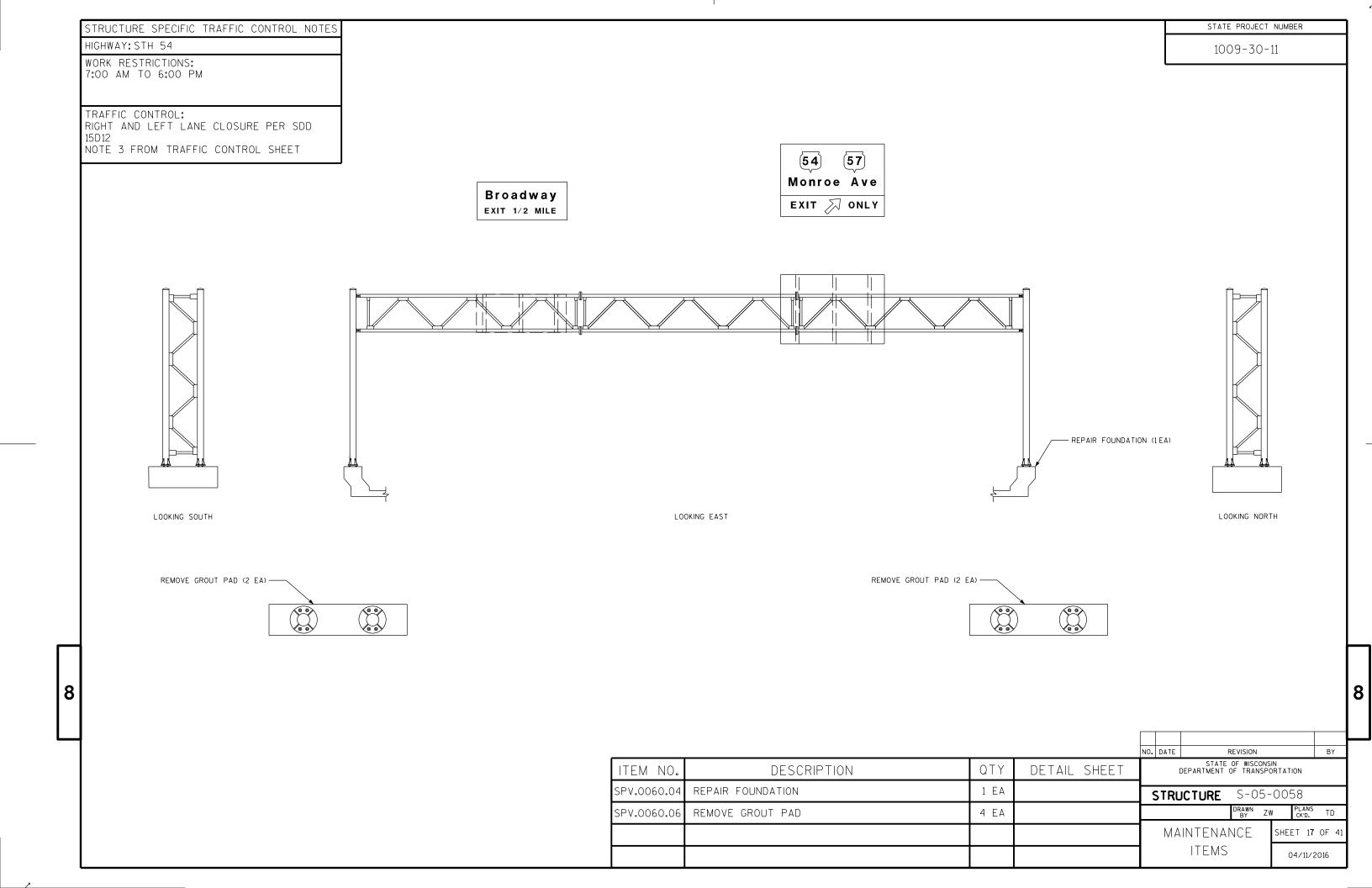


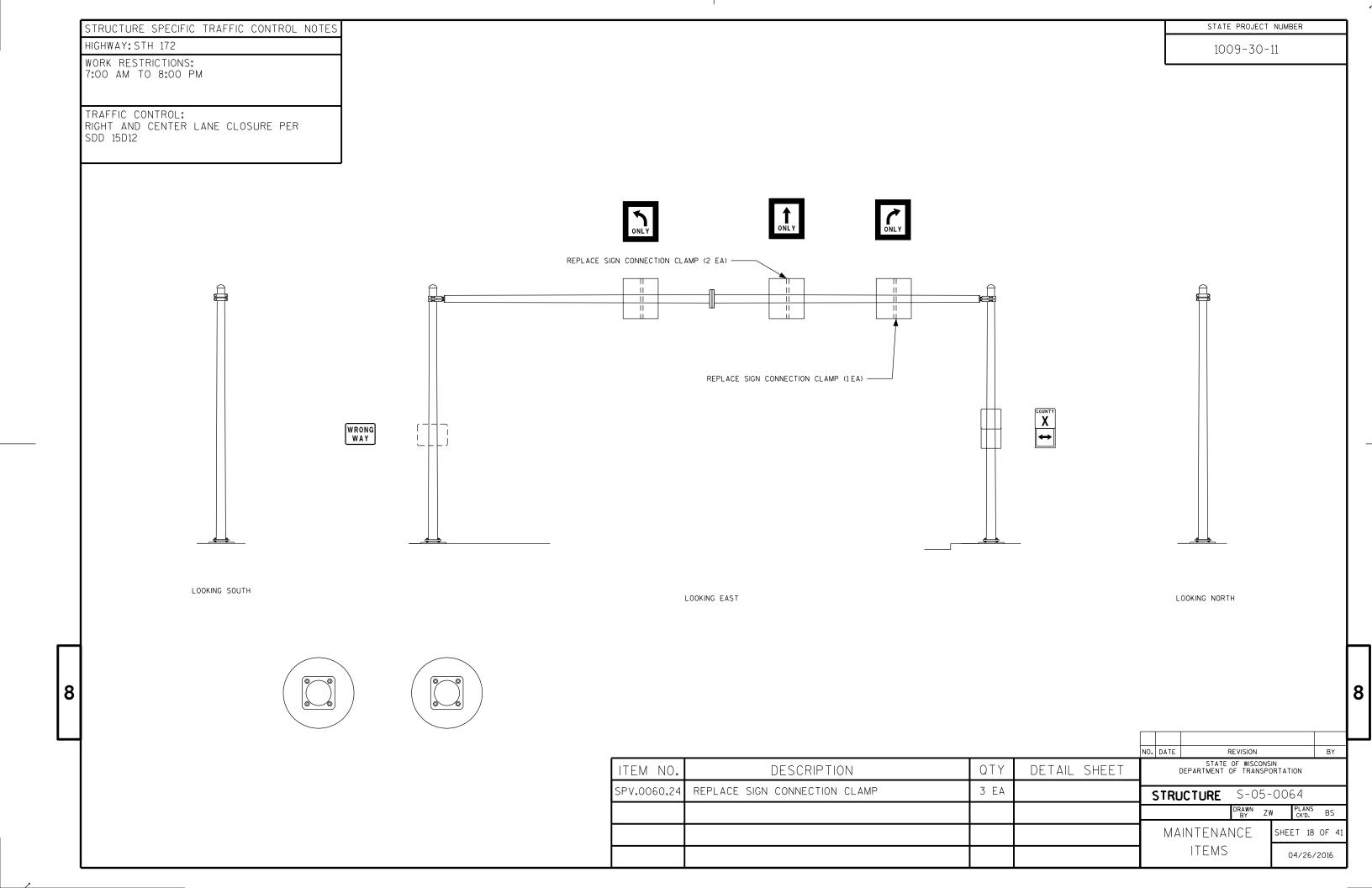


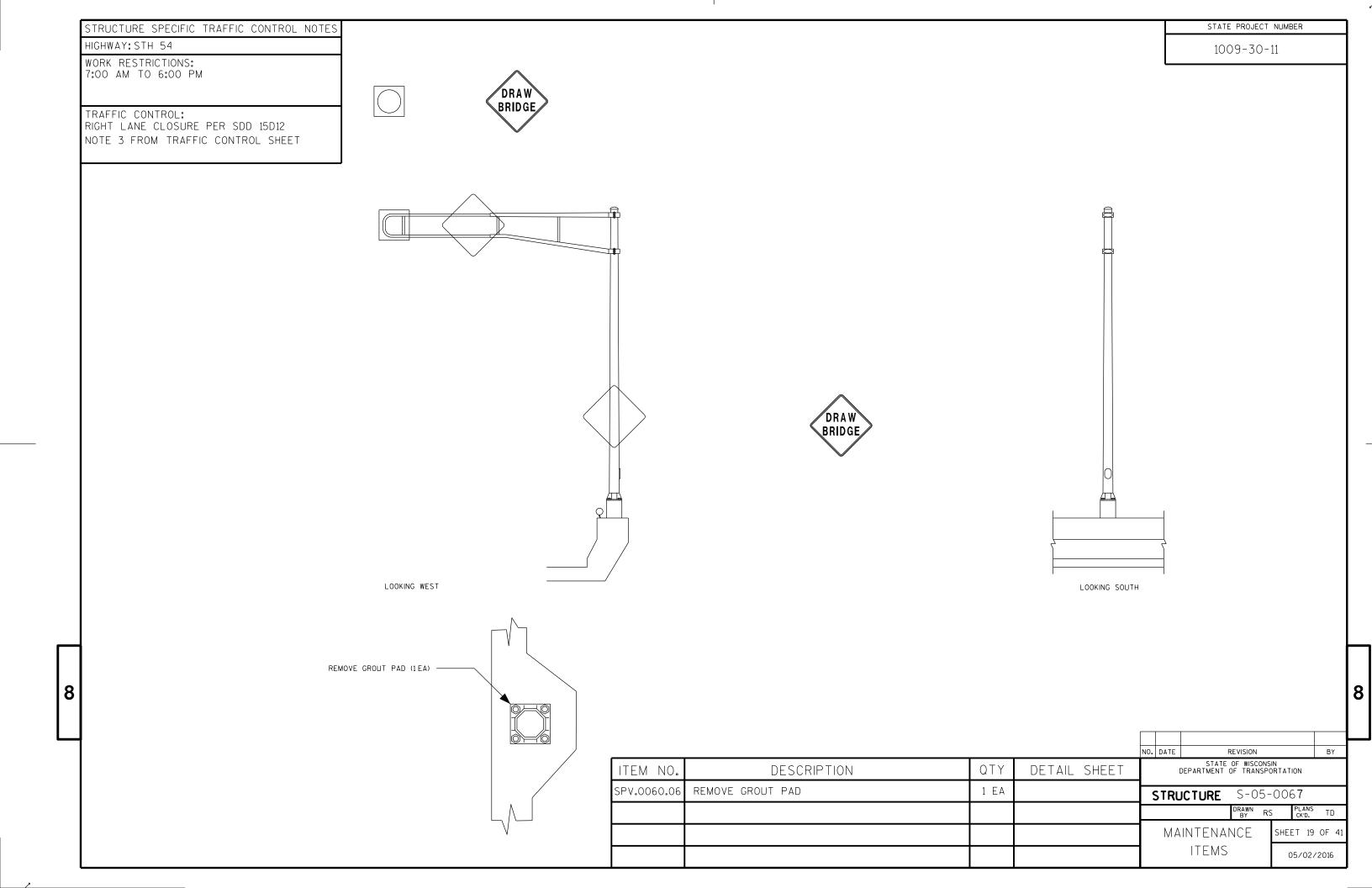


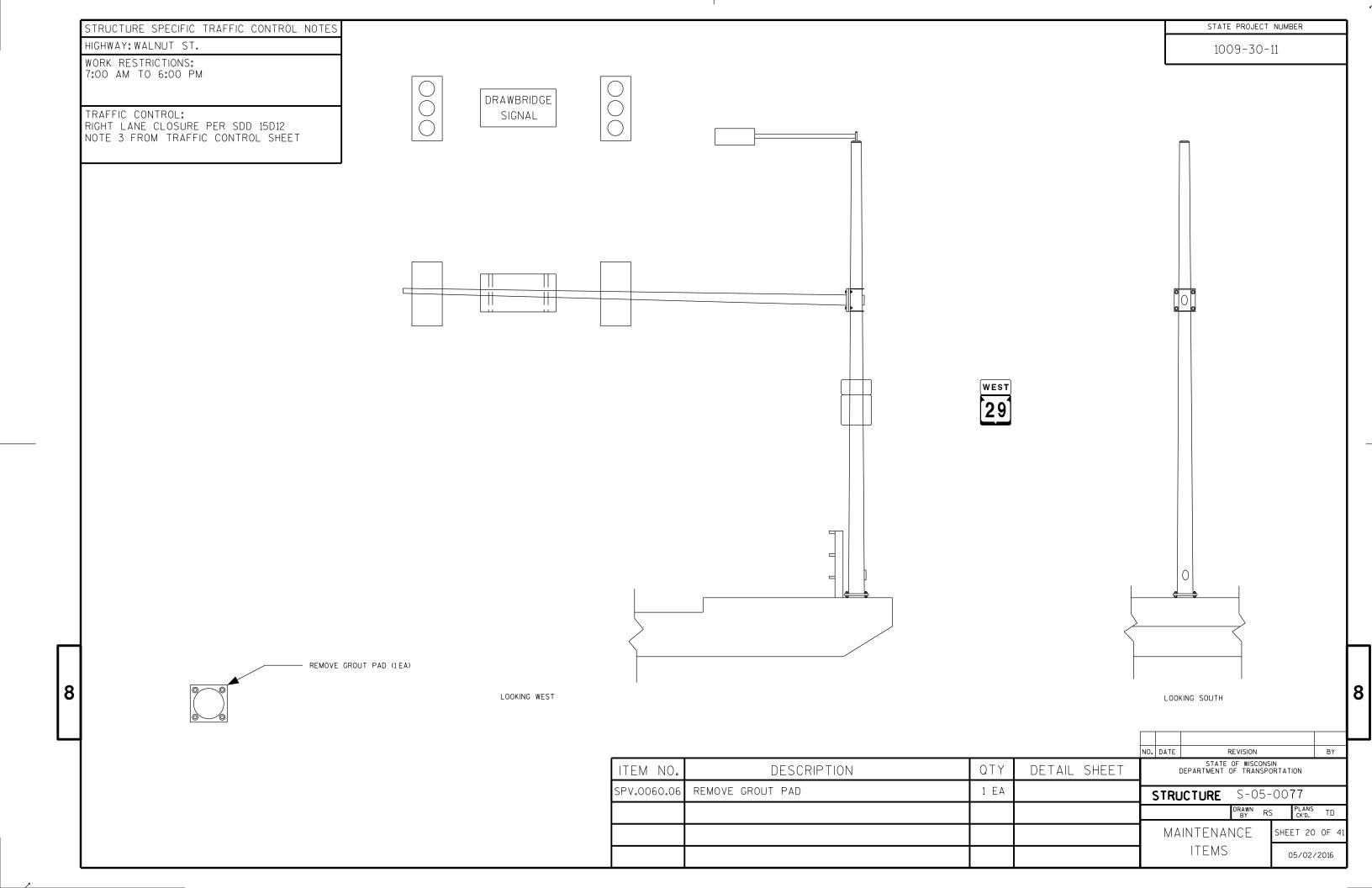


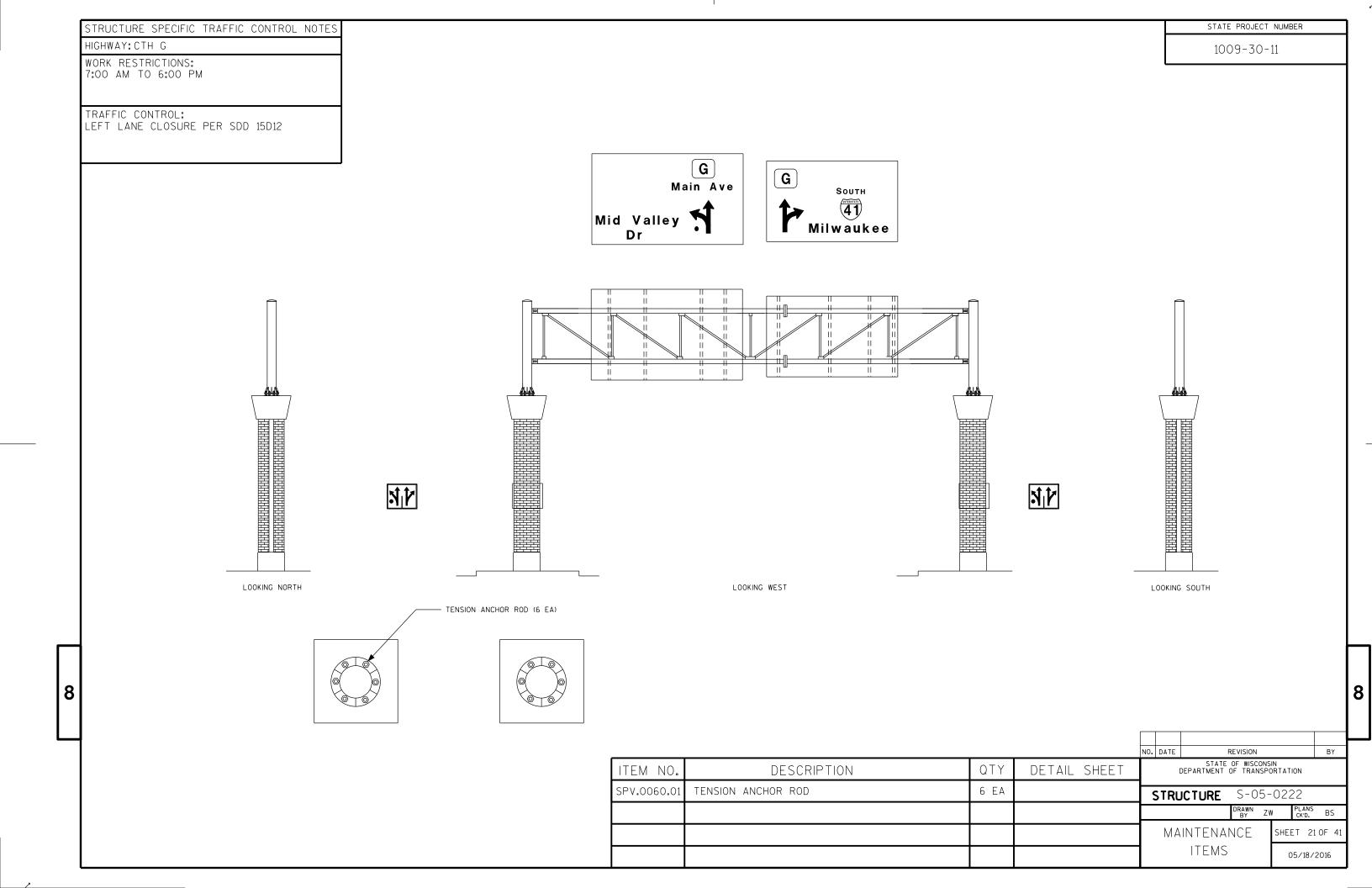


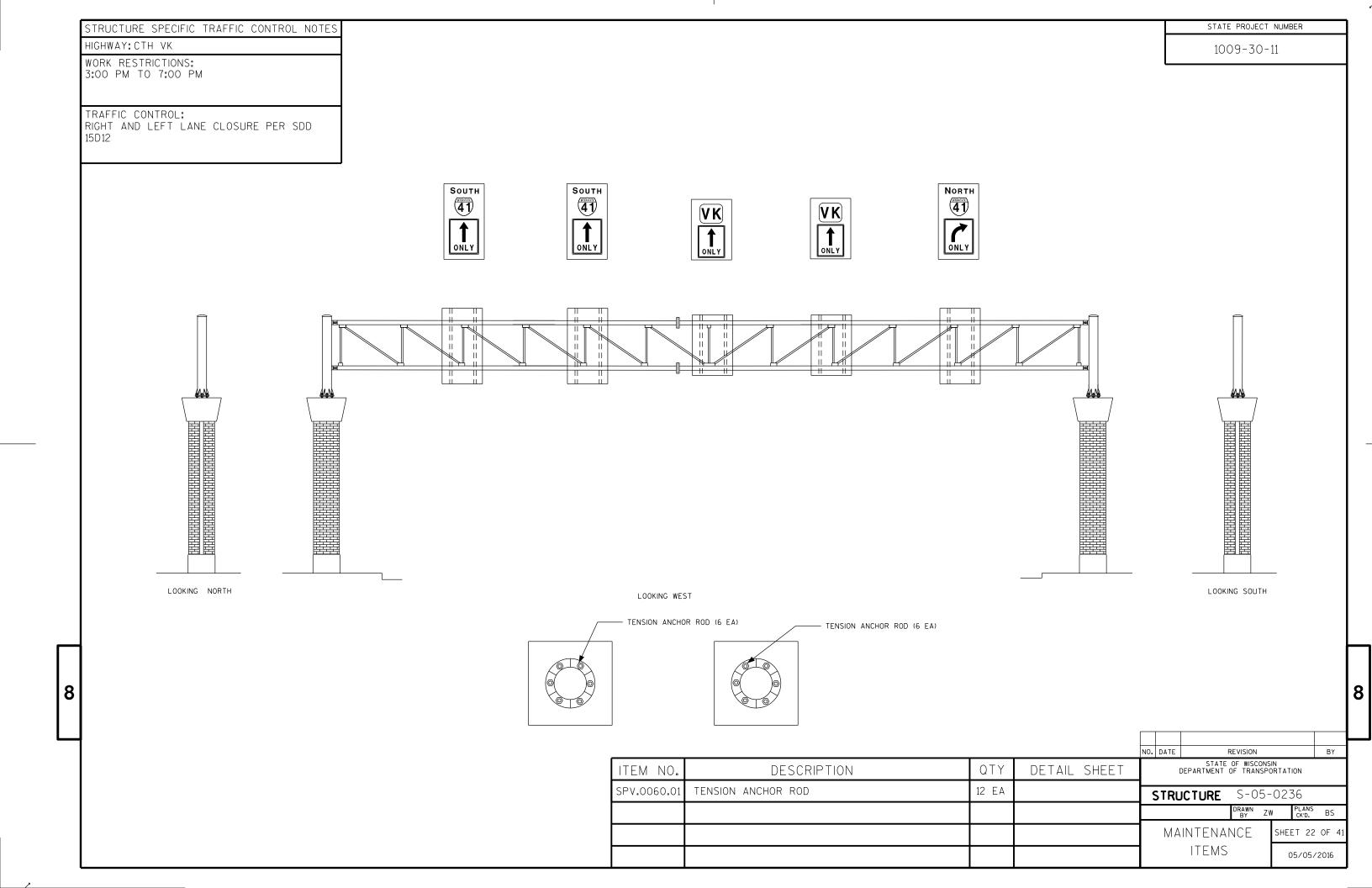


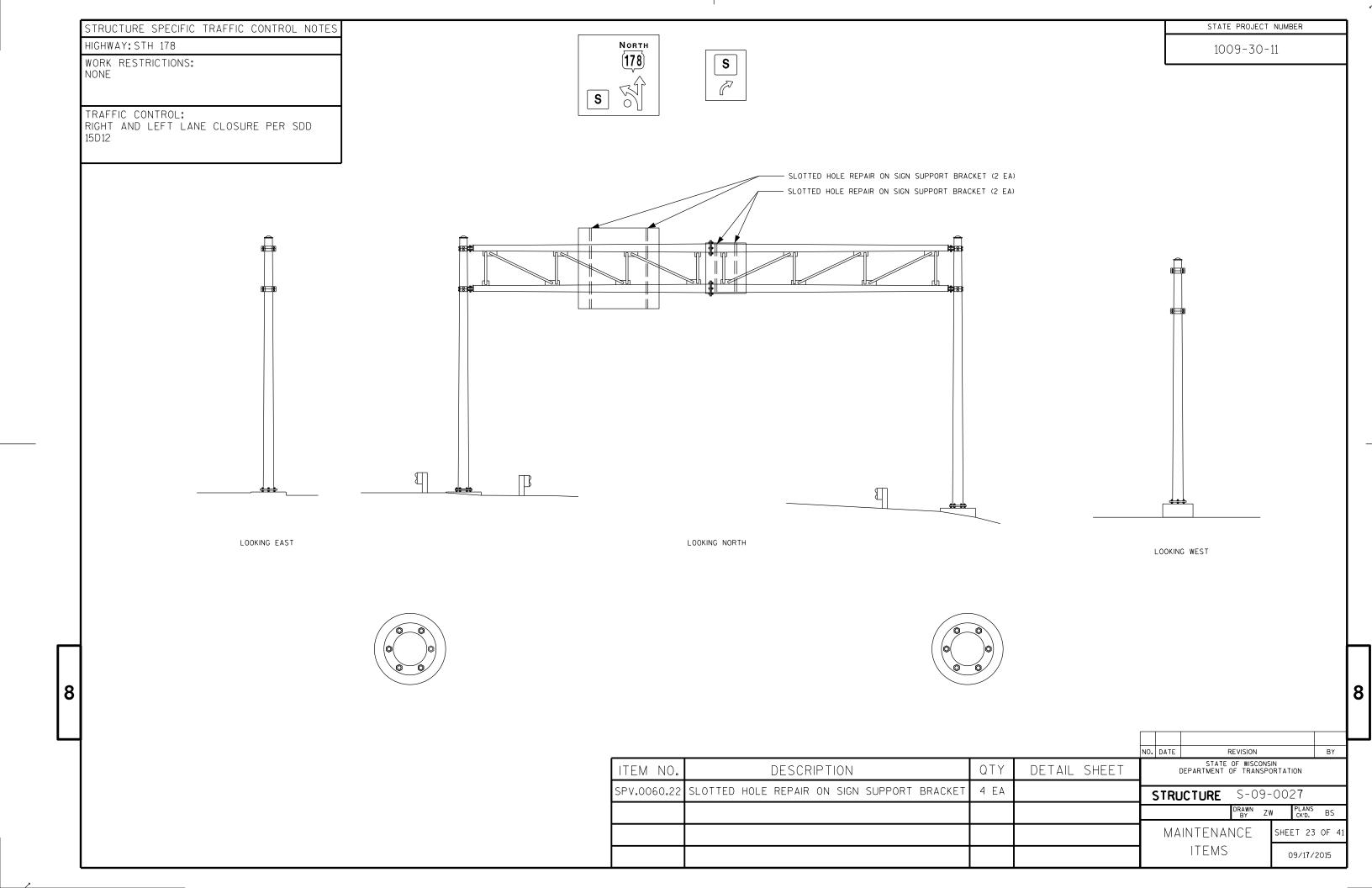


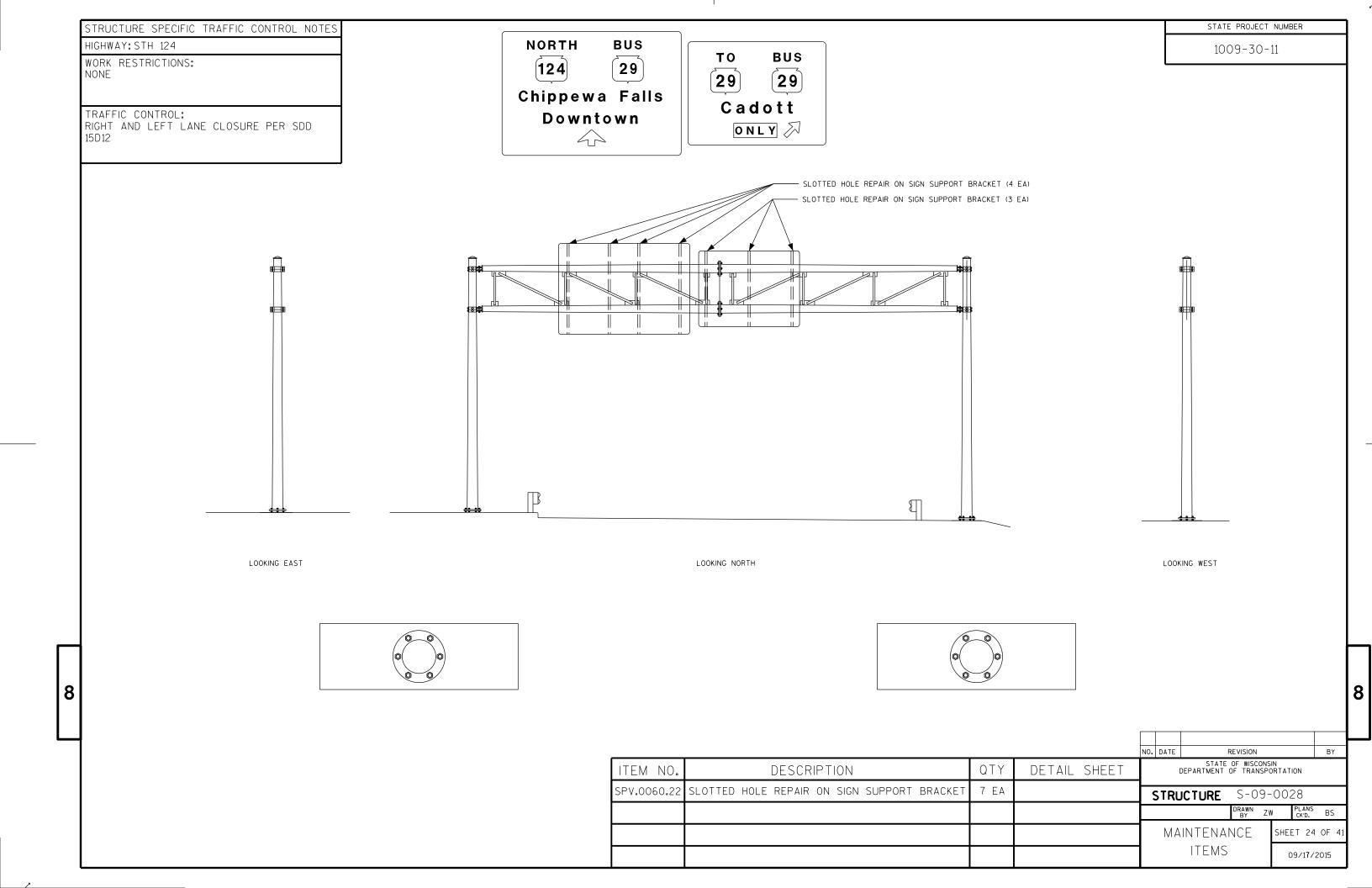


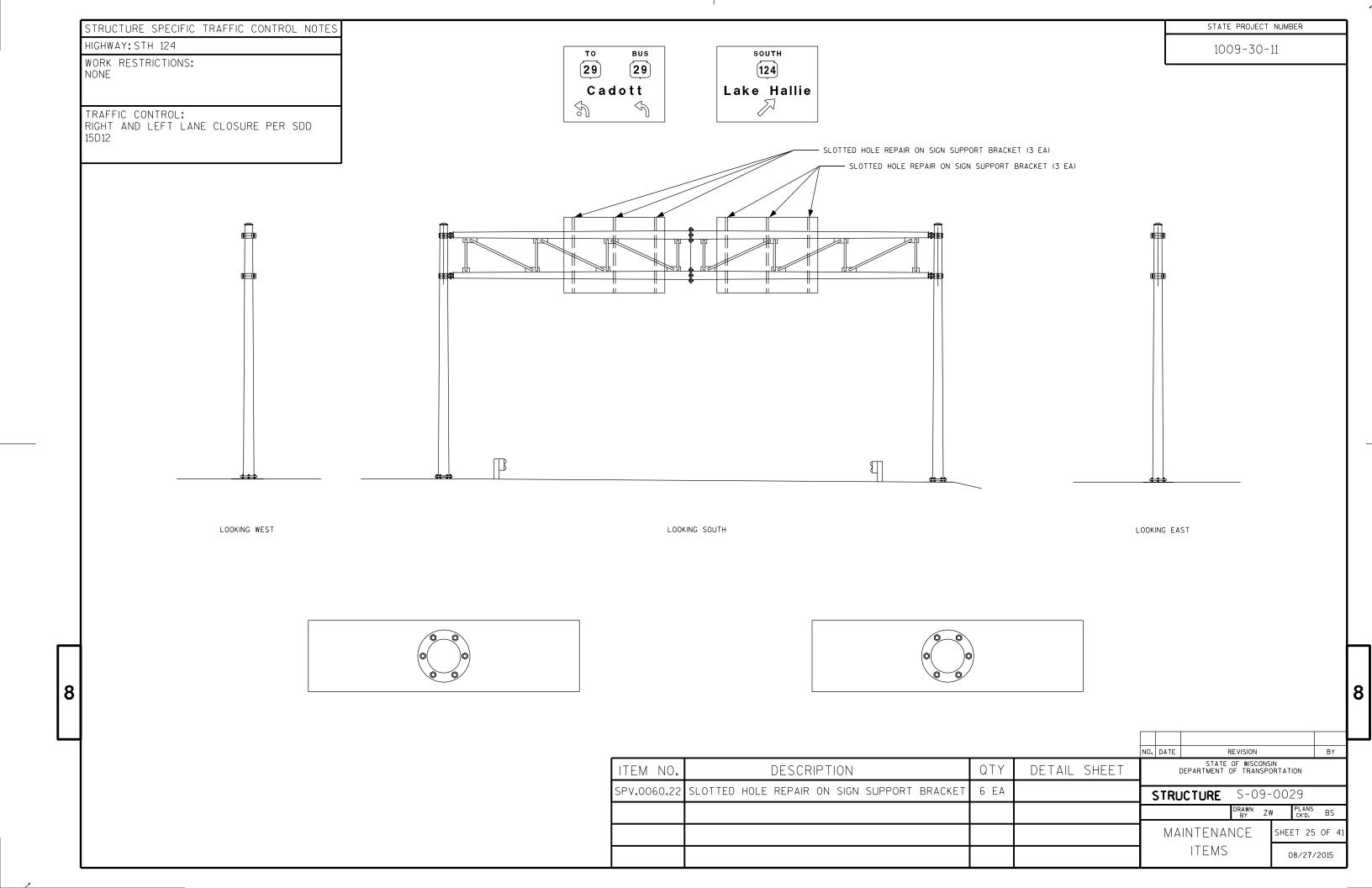


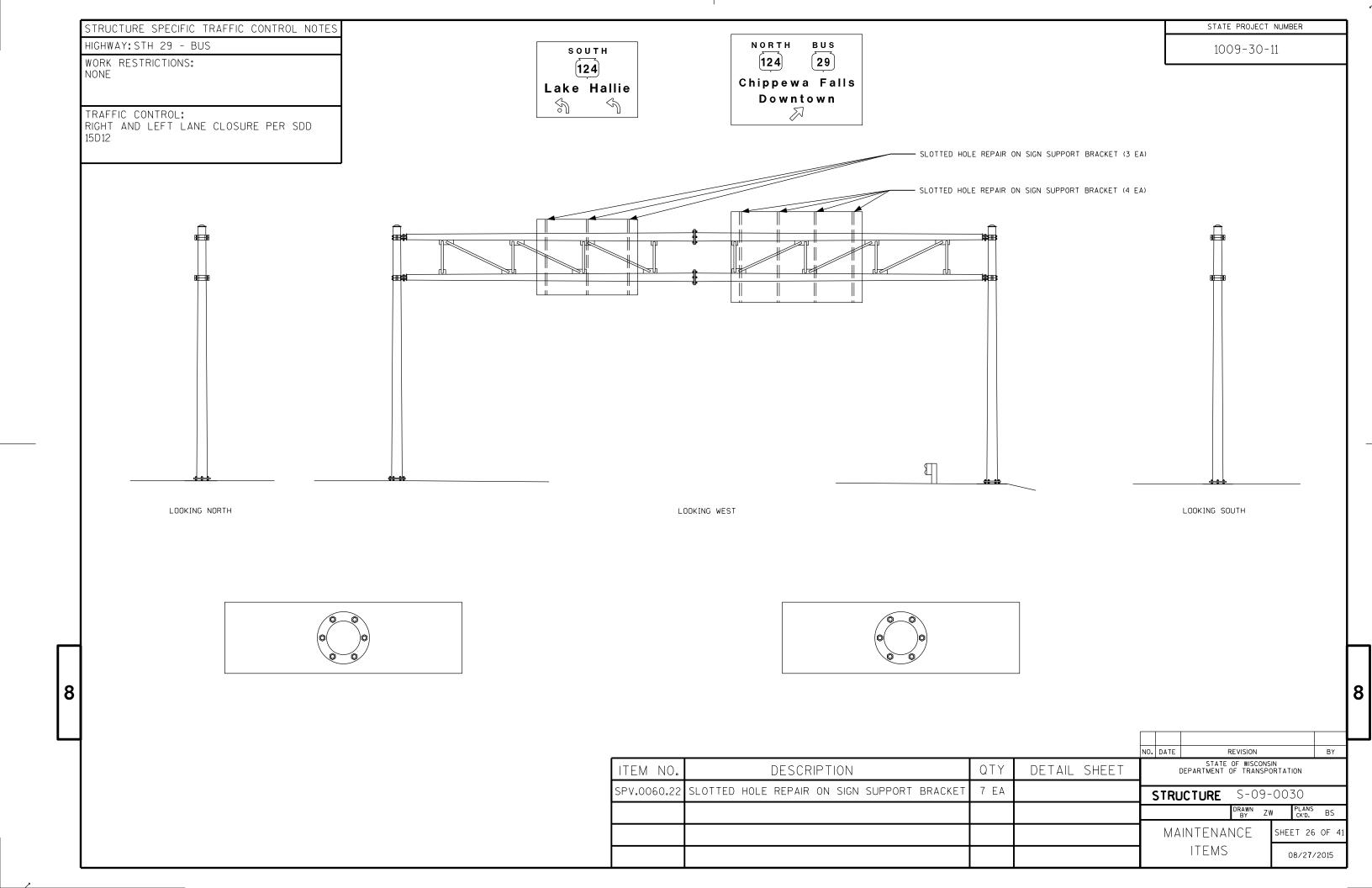


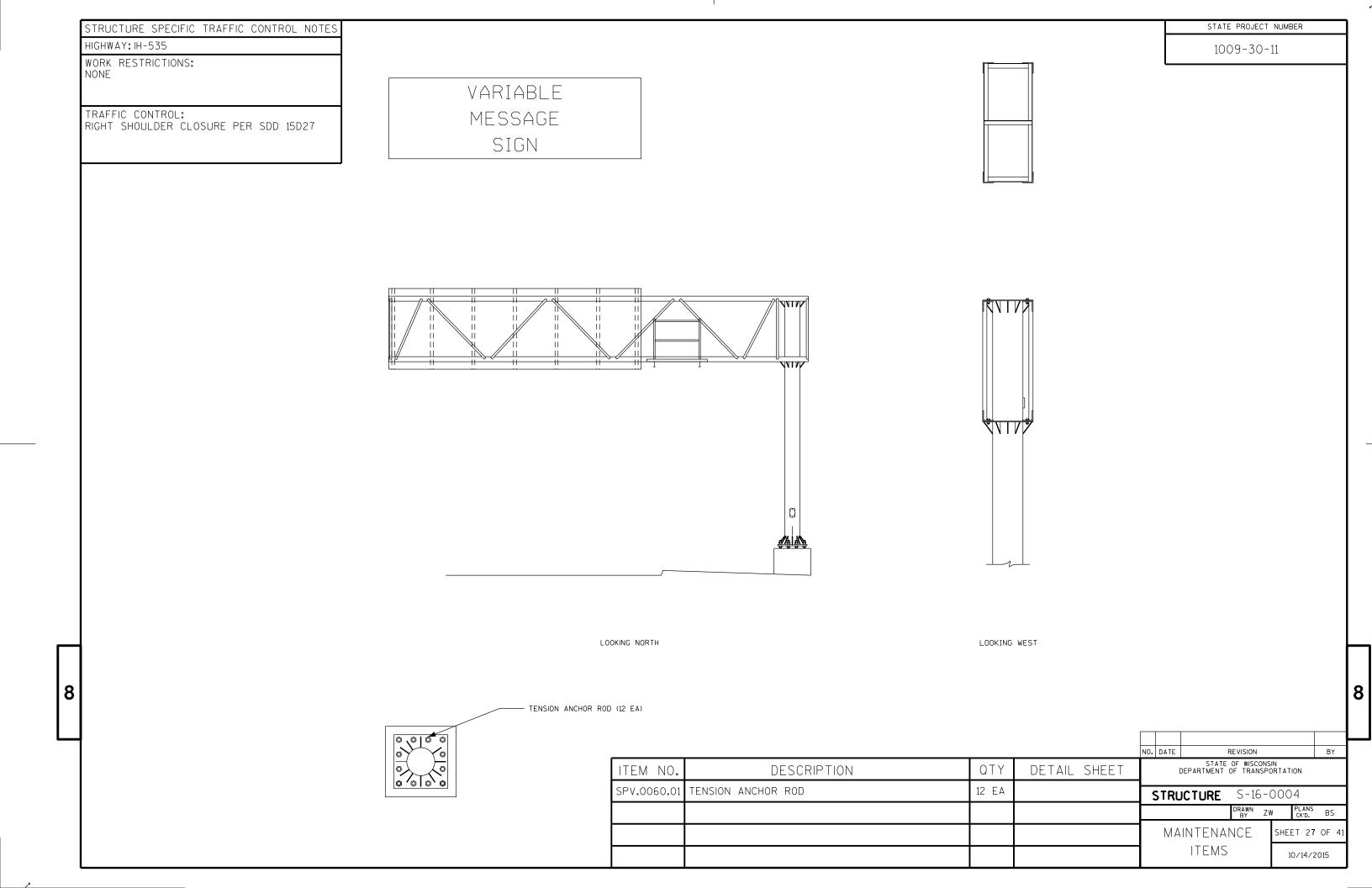


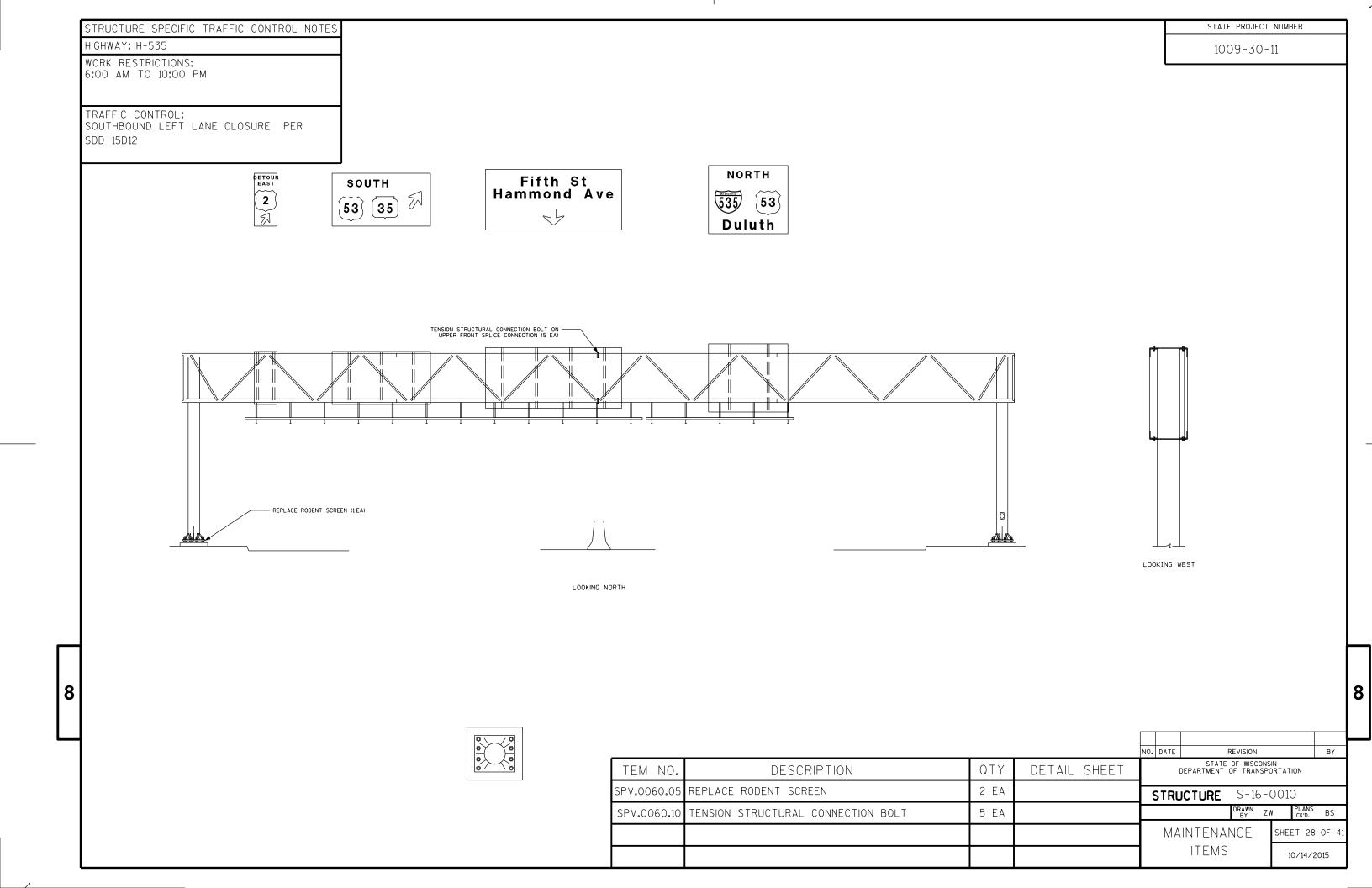












STRUCTURE SPECIFIC TRAFFIC CONTROL NOTES
HIGHWAY: IH-94
WORK RESTRICTIONS:
ALL DAY, FRIDAY THROUGH SUNDAY
7:00 AM TO 7:00 PM

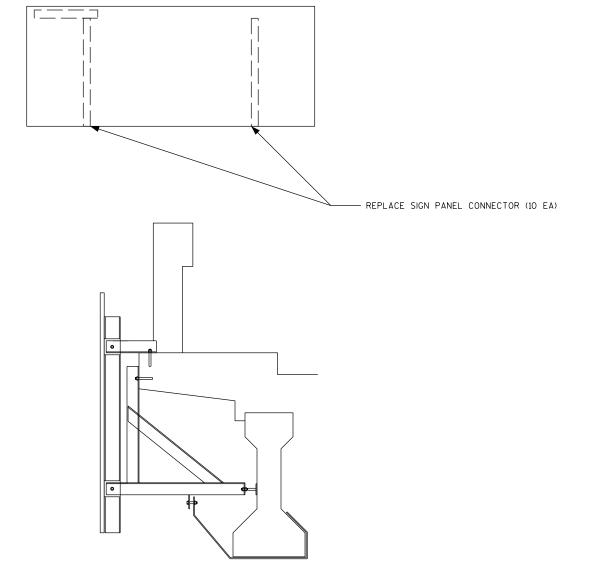
TRAFFIC CONTROL:
RIGHT LANE CLOSURE PER SDD 15D12

STATE PROJECT NUMBER

8

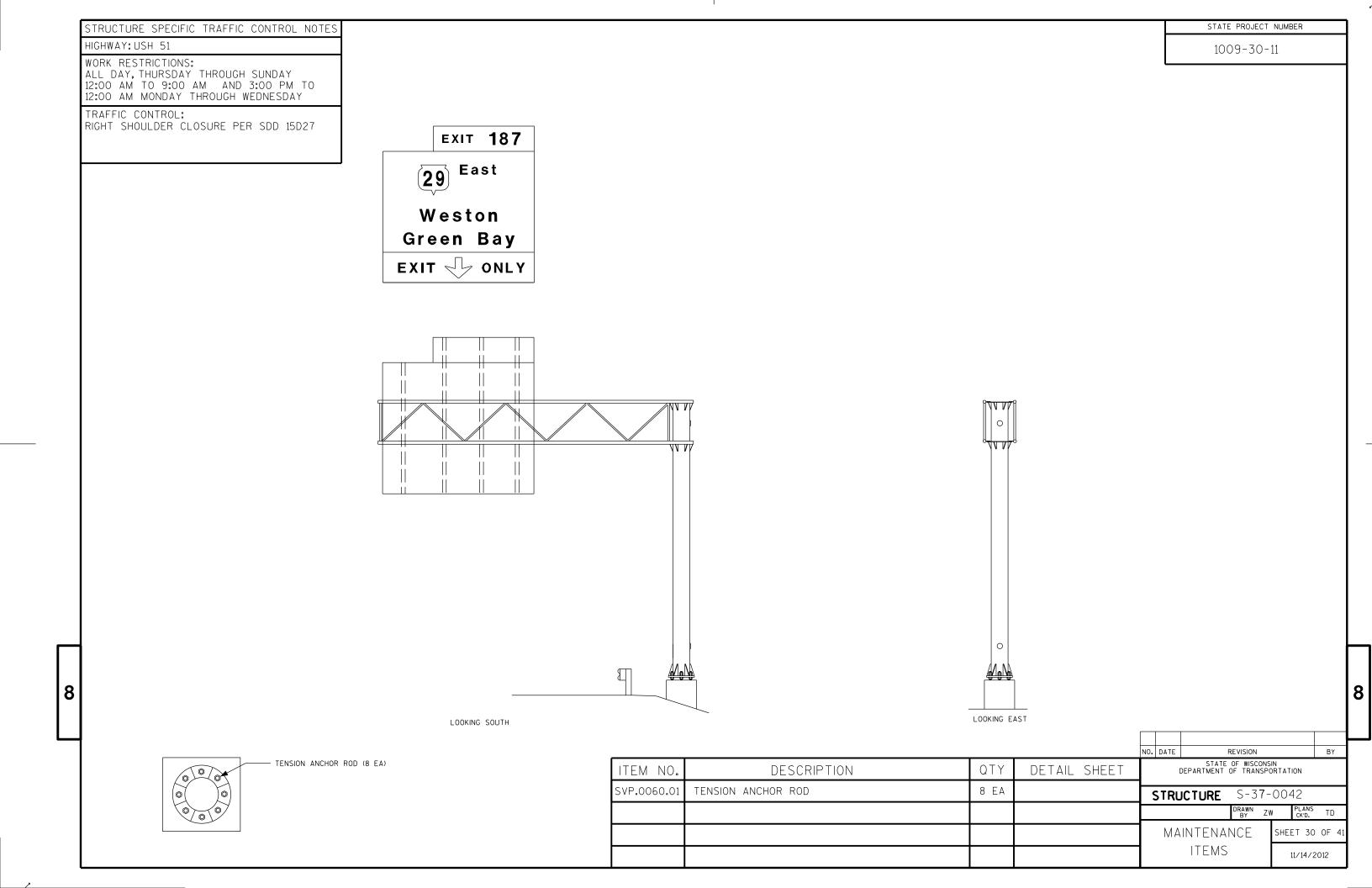
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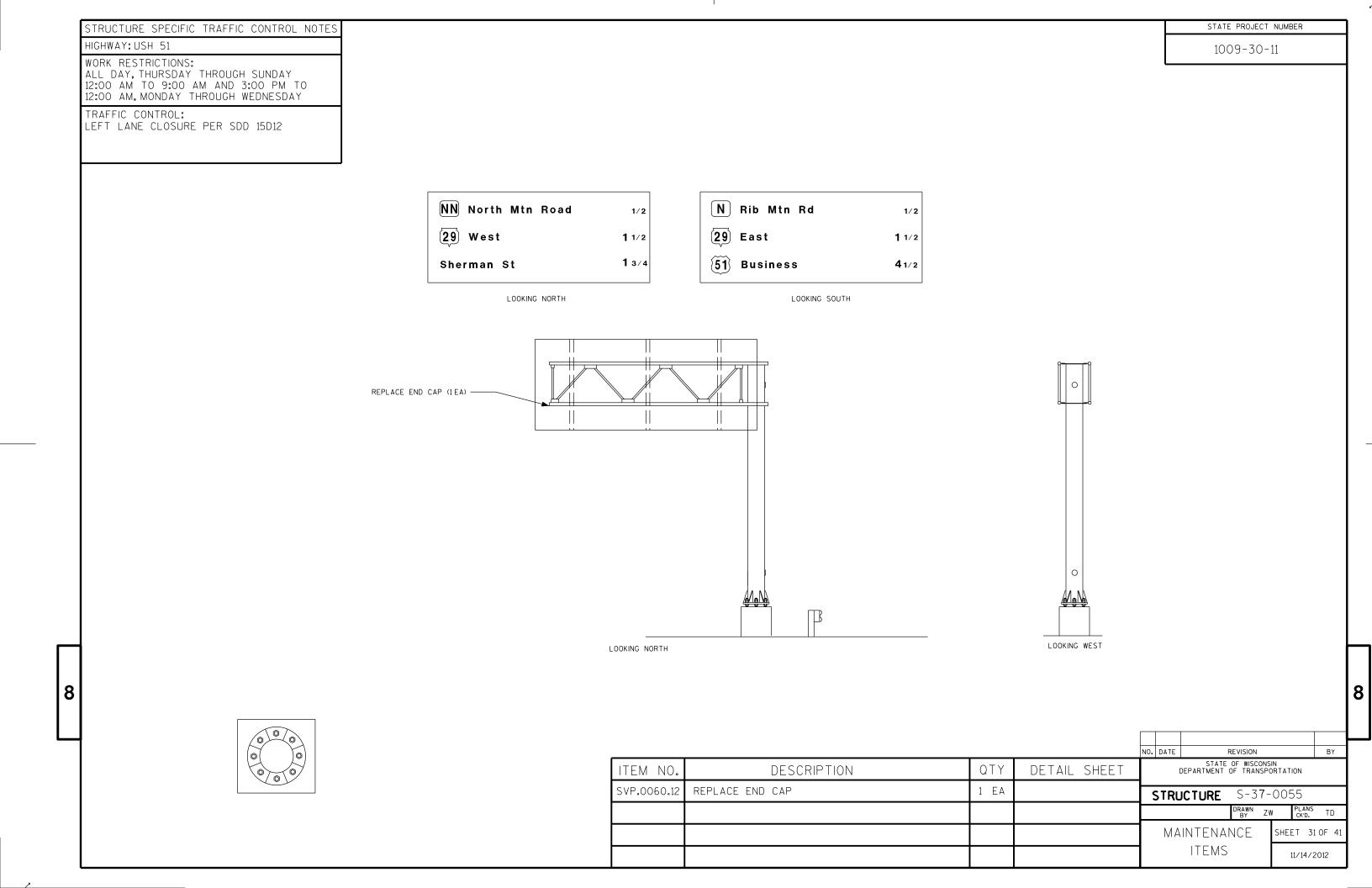
REST AREA 1/2 MILE

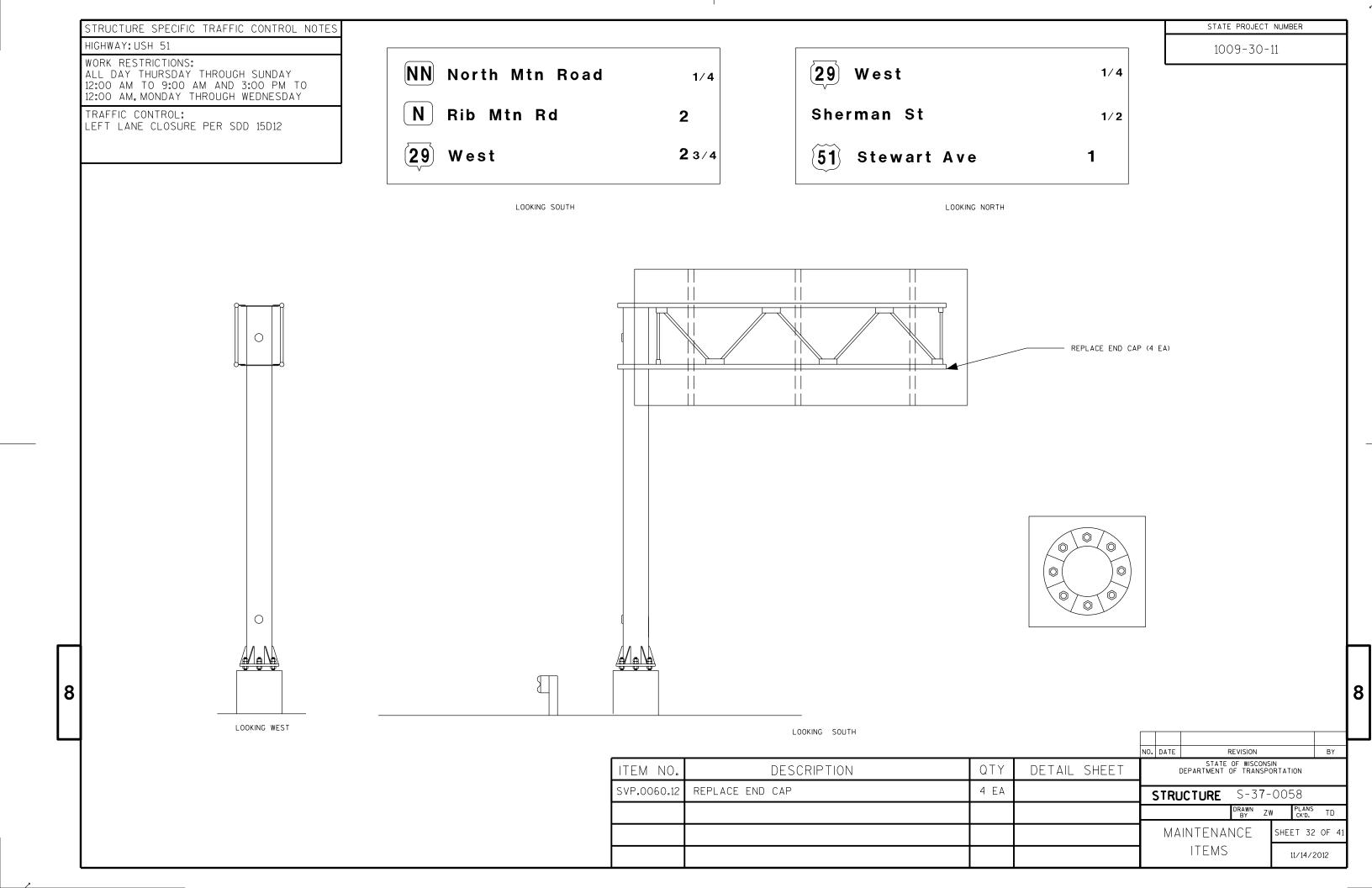


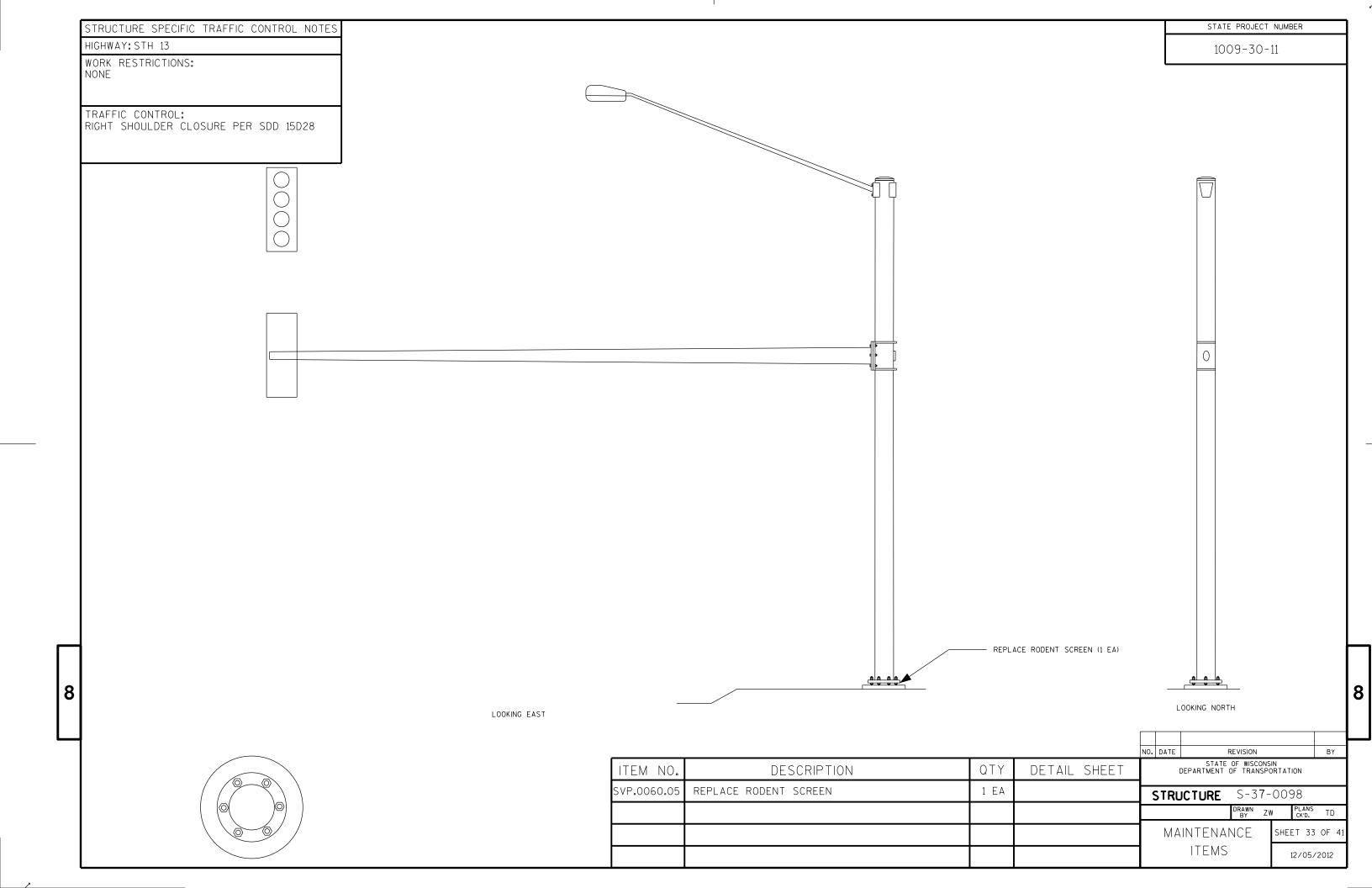
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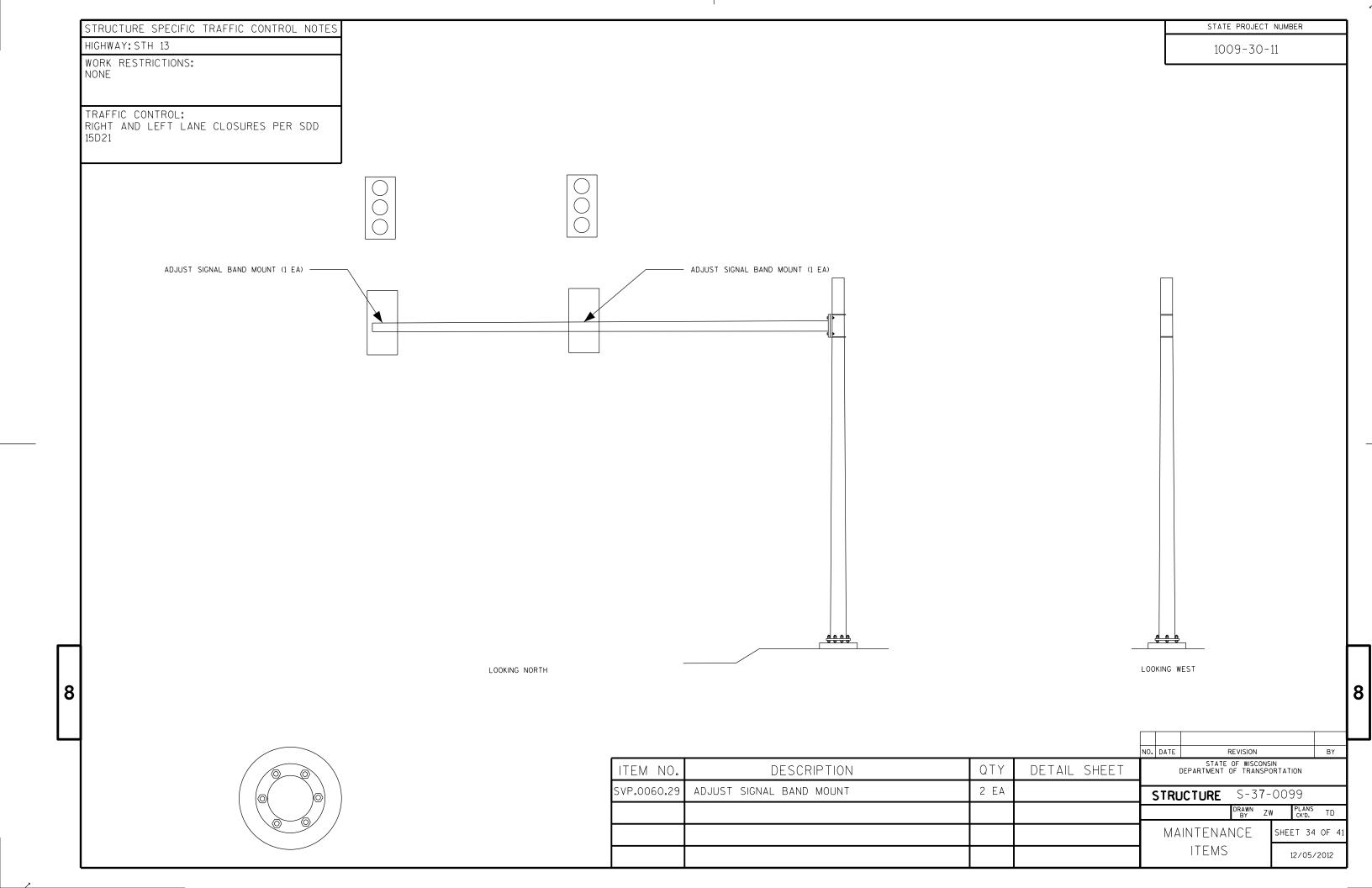
				NO. DATE REVISION			BY
TEM NO.	DESCRIPTION	QTY	DETAIL SHEET	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
°V.0060.20	REPLACE SIGN PANEL CONNECTOR	10 EA		STRUCTURE S-17-0004			
				DRAWN ZW PLANS BS			3S
				MAINTENANCE ITEMS		SHEET 29 OI	F 41
						10/02/201	5

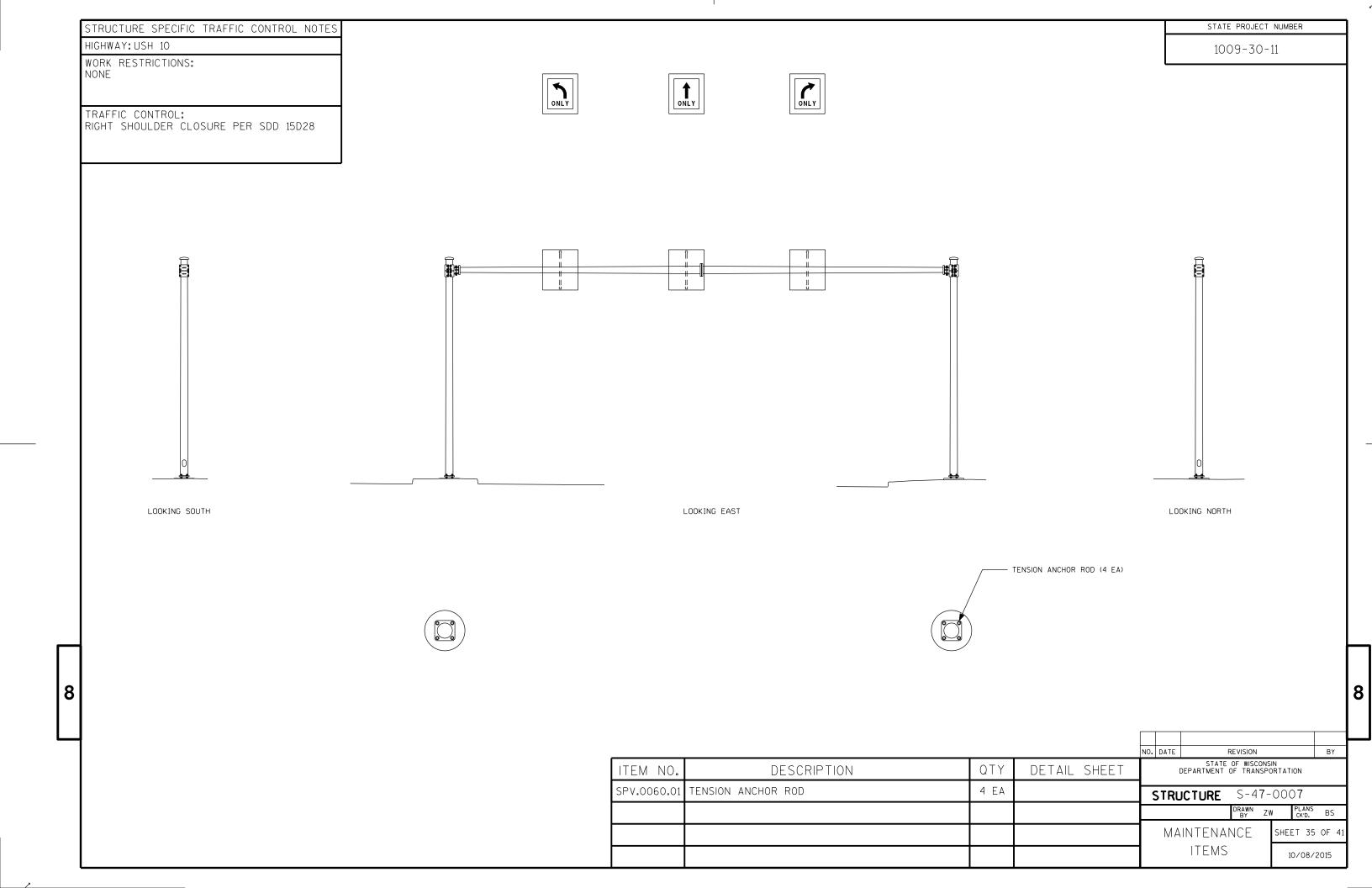


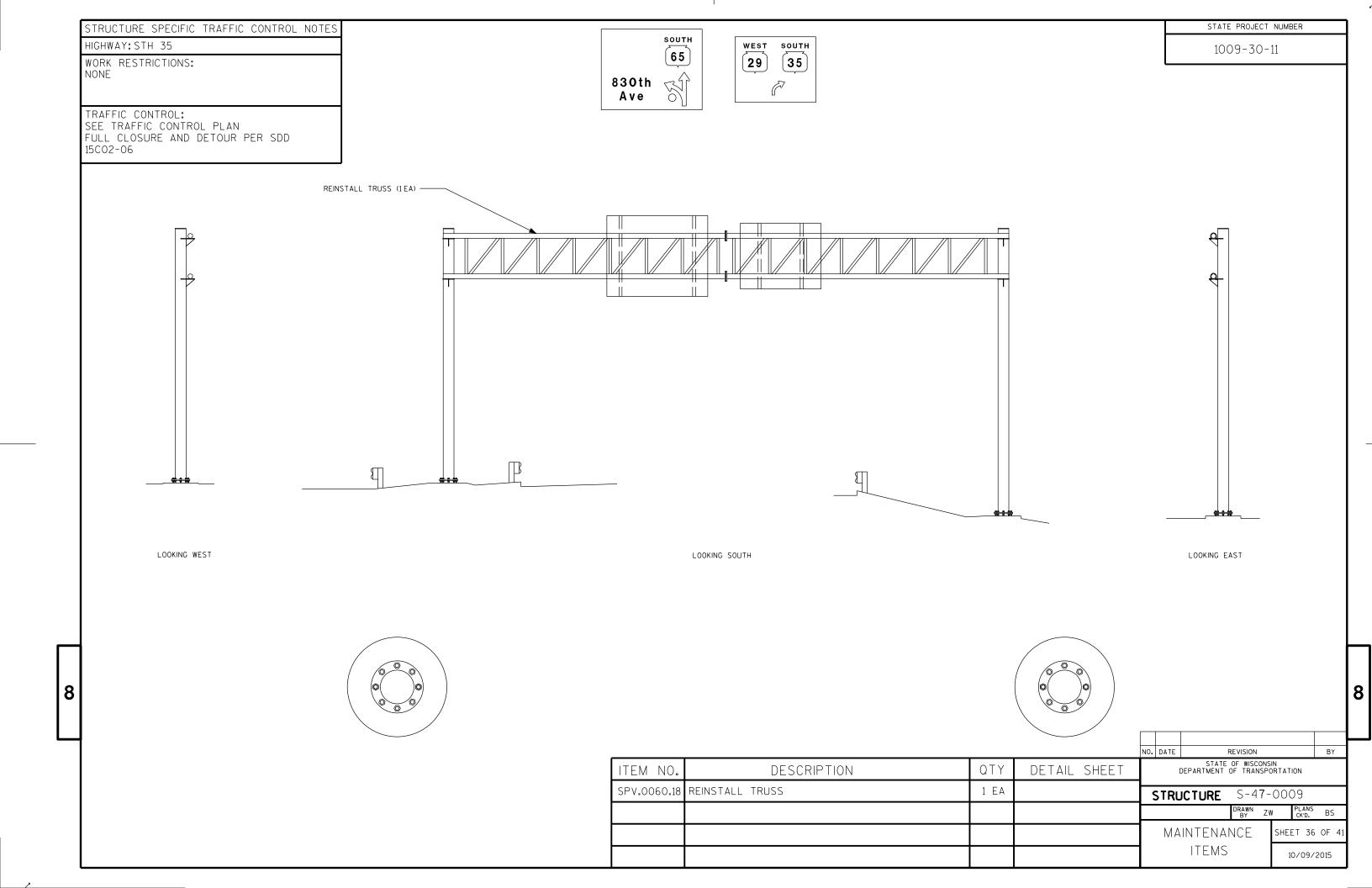


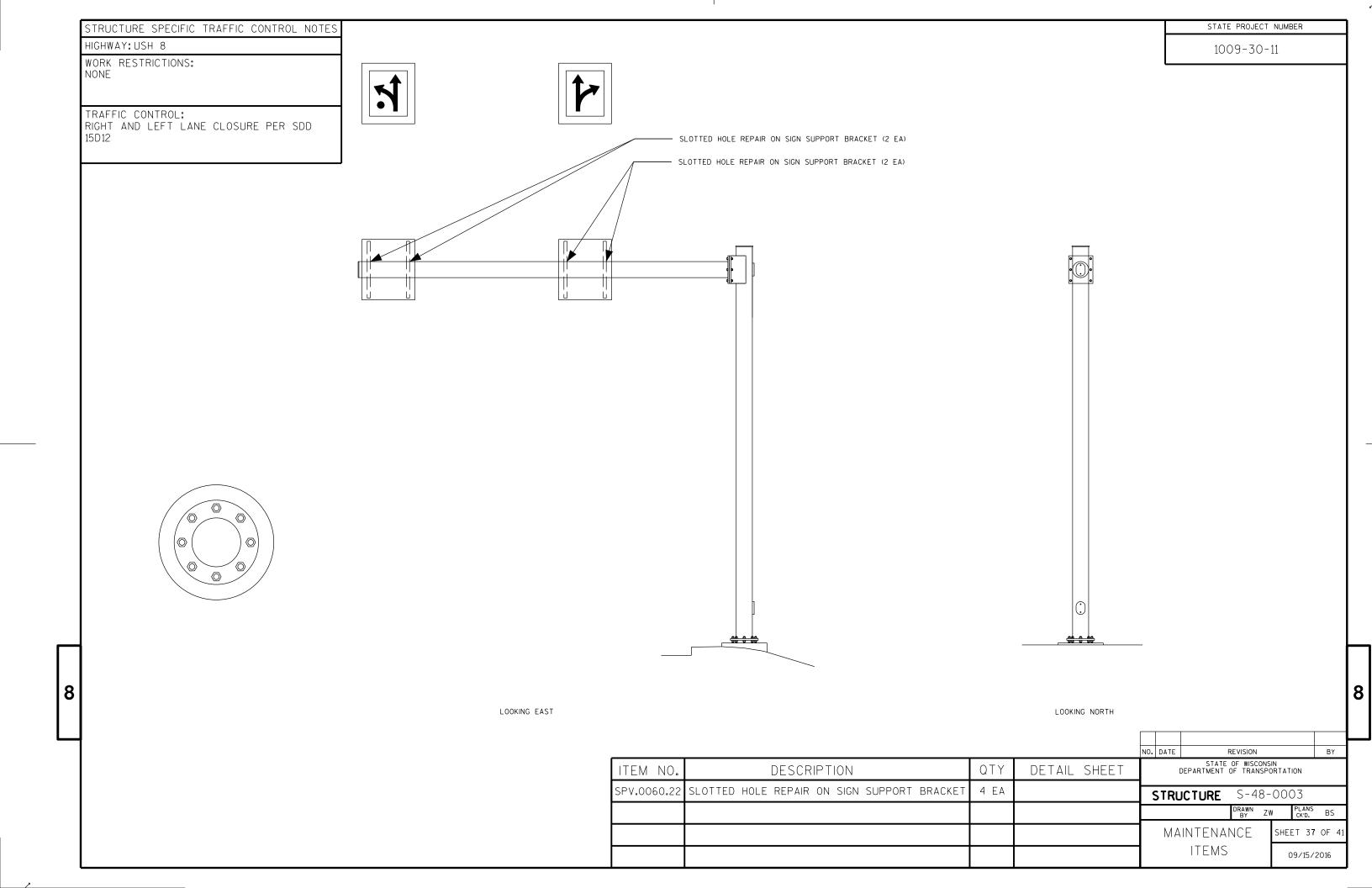


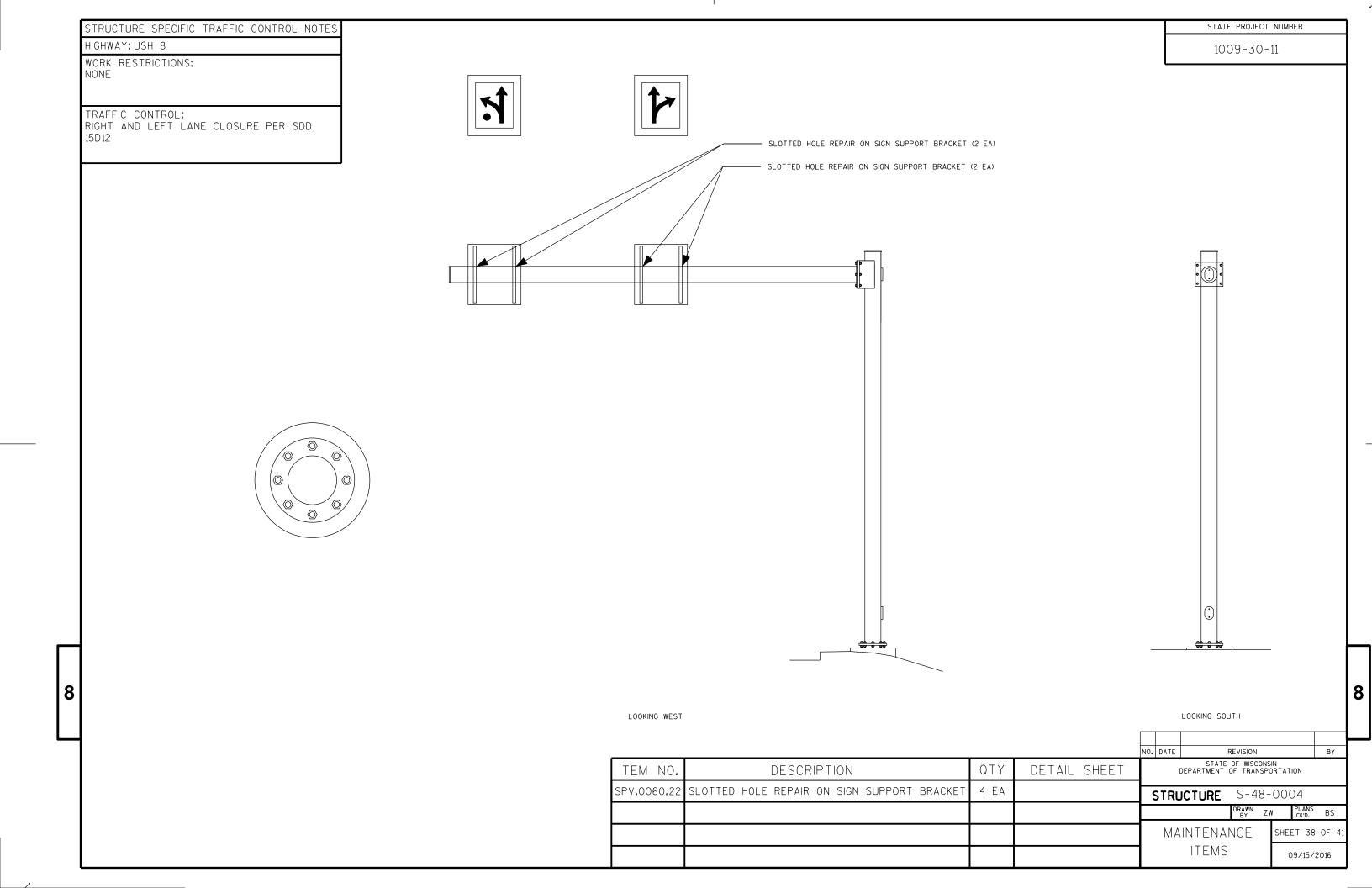


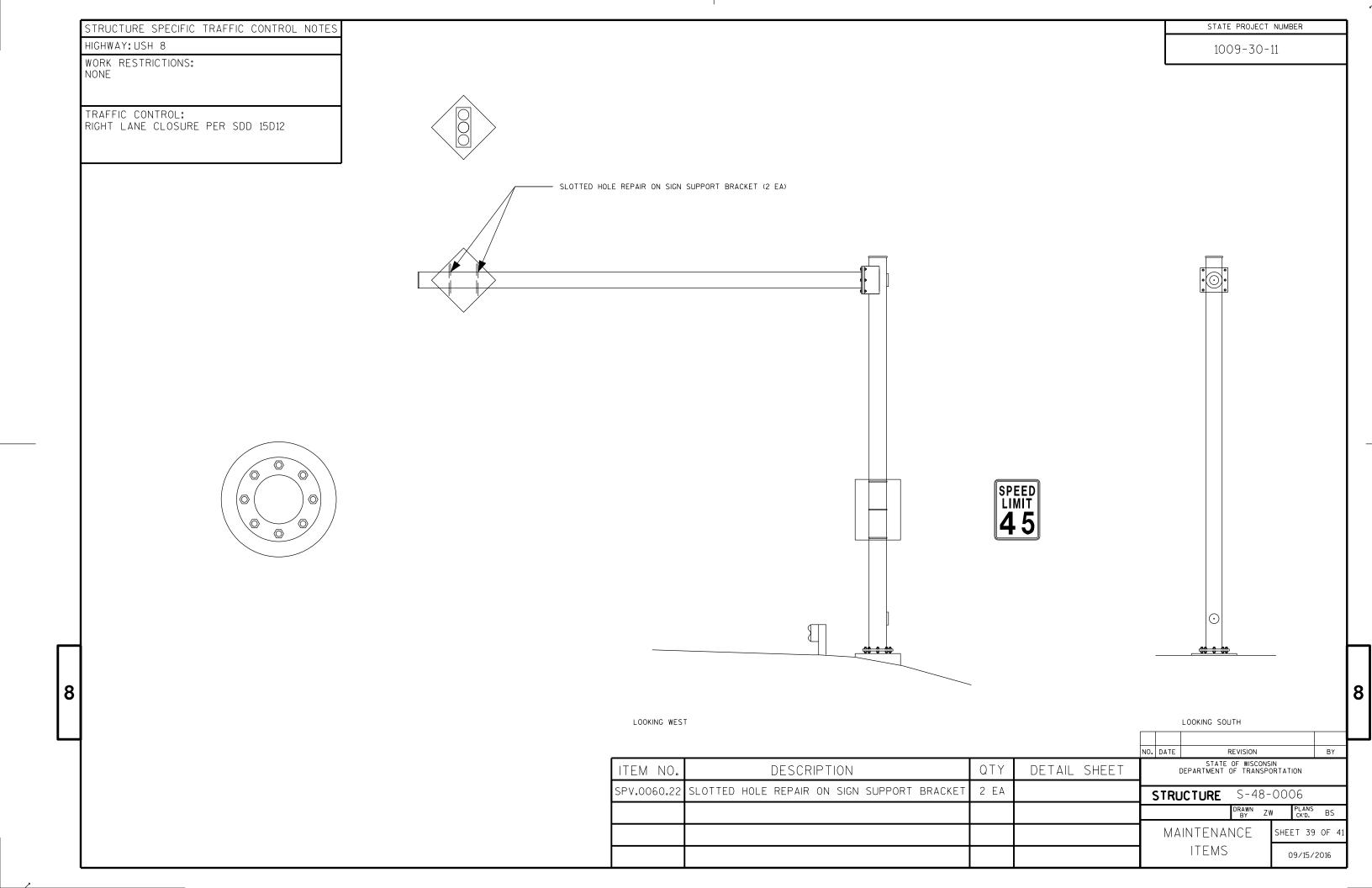


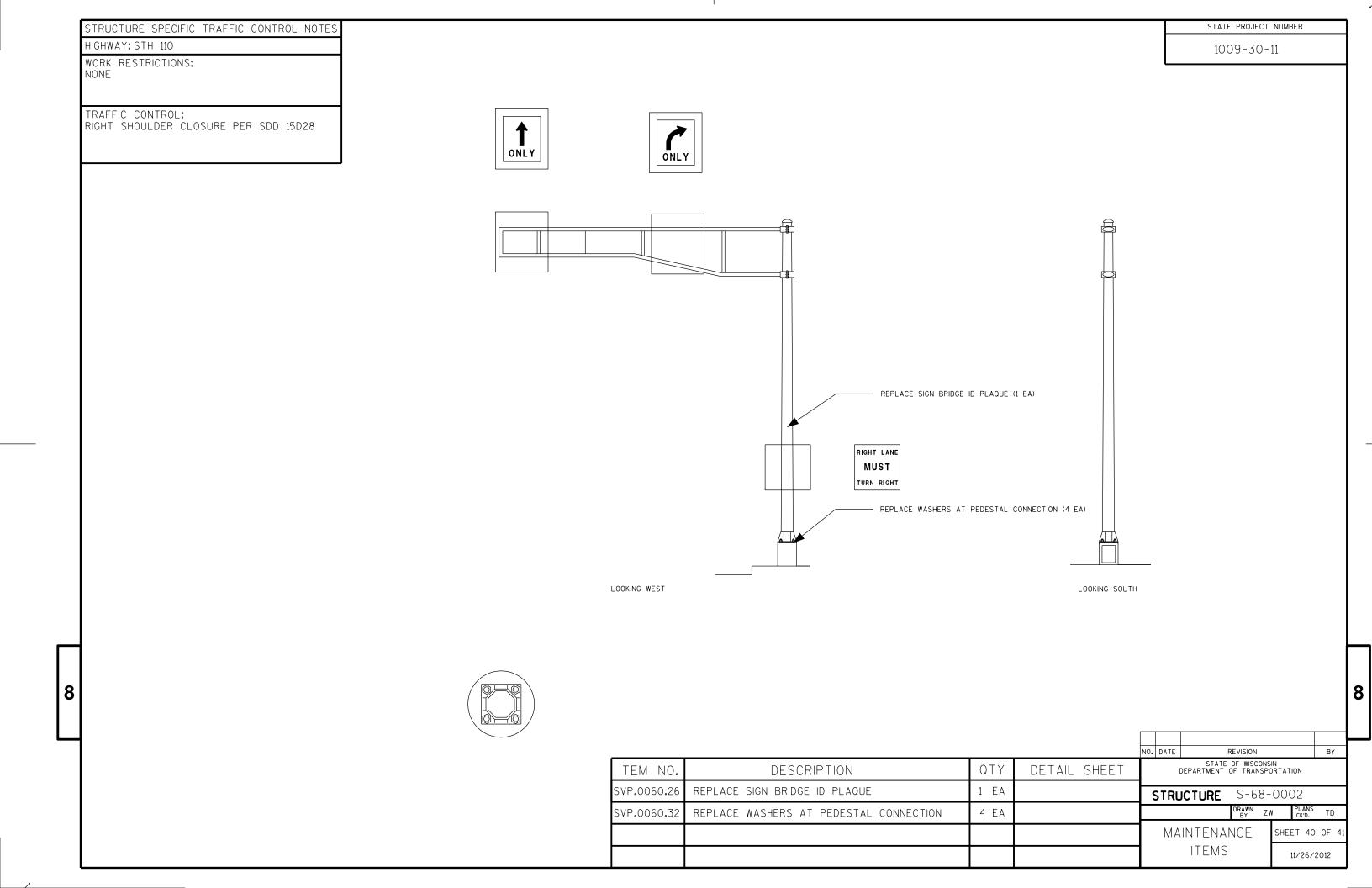


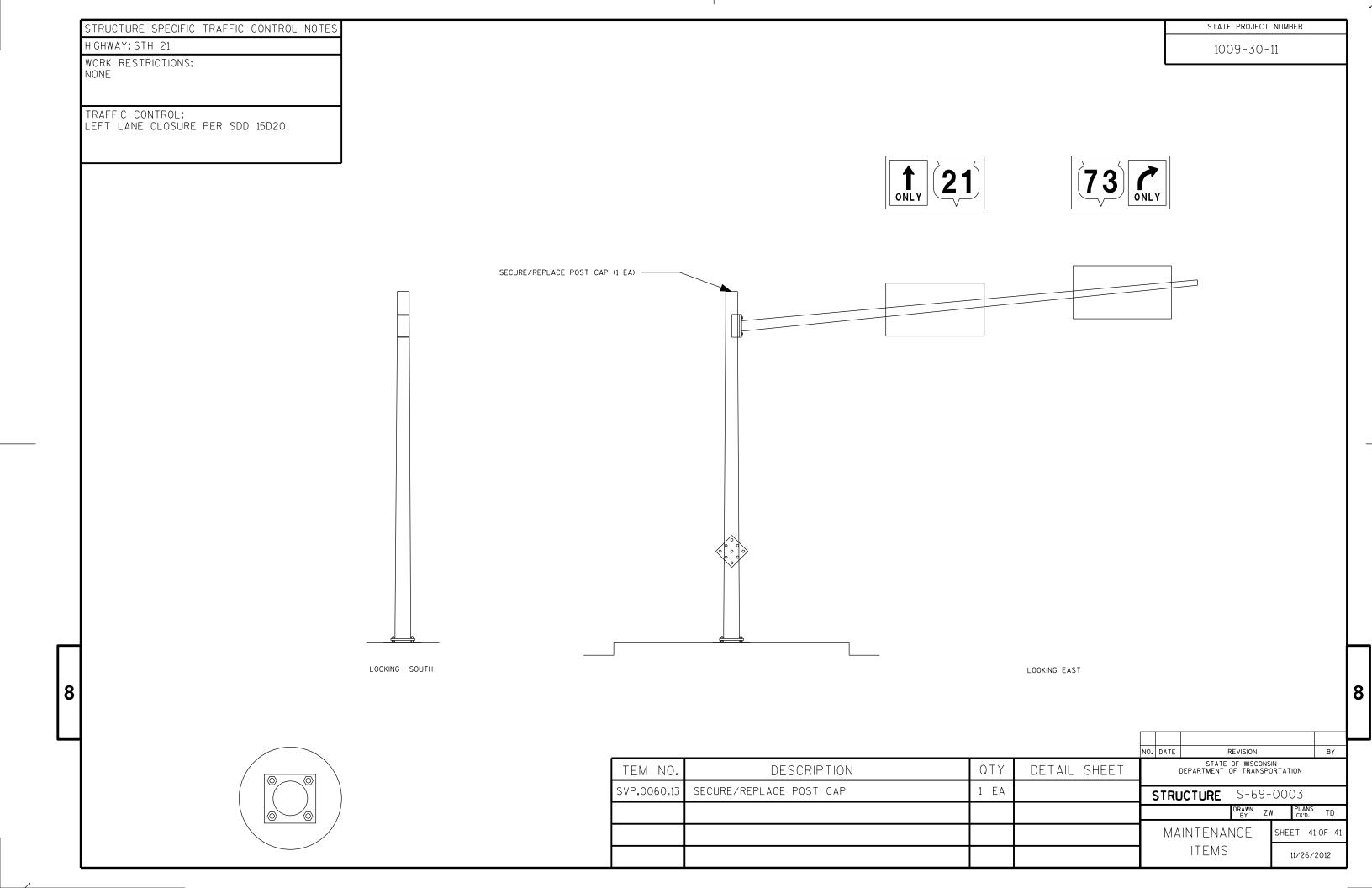












Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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