

WKE

PROJECT ID: 1000-19-79  
WITH:

COUNTY: SOUTHEAST REGION WIDE

MAY 2013

ORDER OF SHEETS

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

TOTAL SHEETS = 168



DESIGN DESIGNATION

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

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
PLAN OF PROPOSED IMPROVEMENT

SIGN BRIDGE REPAIRS 2013  
VARIOUS FREEWAYS, STATE HIGHWAYS, AND US HIGHWAYS  
SOUTHEAST REGION WIDE

STATE PROJECT NUMBER  
1000-19-79



LAYOUT  
SCALE 0 0 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.00 MI.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1000-19-79		



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	
Designer	VERONICA CHAVEZ DE FERNANDEZ
Project Manager	TOM HEYDEL
District Examiner	
District Supervisor	JAMES FORSETH
C.O. Examiner	
APPROVED FOR DISTRICT OFFICE	
DATE: 1/18/13	Tom Heydel (Signature)

GENERAL NOTES

THE LOCATION OF EXISTING OR PROPOSED UTILITIES AS NOTED ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. UTILITY SERVICES ARE NOT SHOWN.

UTILITIES CONTACT LIST

MILWAUKEE COUNTY HIGHWAY DIVISION  
ELECTRICAL SHOP  
MR. STANLEY JACKSON  
10320 W. WATERTOWN PLANK RD.  
WAUWATOSA, WI. 53226  
(414) 257-6566

WE ENERGIES (GAS)  
MR TOM MINESAL  
5400 GREEN BAY AVE.  
MILWAUKEE, WI 53209  
414-944-5755

WE ENERGIES-ELECTRIC  
MR. DAN SANDE  
333 W EVERETT ST.-A279  
MILWAUKEE WI 53203  
414-221-4578  
DAN.SANDE@WE-ENERGIES.COM

WISCONSIN DEPARTMENT OF TRANSPORTATION  
SE REGION LIGHTING ENGINEER  
MR MATT PFEIFER  
414-266-1154  
MATTHEW.PFEIFER@DOT.GOV

WISCONSIN DEPARTMENT OF TRANSPORTATION  
TRAFFIC OPERATIONS CENTER  
MR JEFF MADISON  
433 W ST PAUL AVE, STE 300  
MILWAUKEE, WI 53203  
414-255-3723  
JEFFERY.MADISON@DOT.WI.GOV

DNR CONTACT LIST

OZAUKEE COUNTY  
JOANNE KLINE  
2300 N. MARTIN LUTHER KING DR.  
MILWAUKEE, WI 53212  
(414) 263-8756

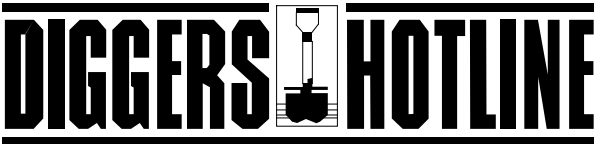
MILWAUKEE COUNTY  
MIKE THOMPSON  
2300 N. MARTIN LUTHER KING DR.  
MILWAUKEE, WI 53212  
(414) 263-8648

WASHINGTON AND WAUKESHA COUNTY  
MAUREEN MILLMANN  
2300 N. MARTIN LUTHER KING DR.  
MILWAUKEE, WI 53212  
(414) 263-8613

KENOSHA, RACINE, WALWORTH COUNTY  
CRAIG WEBSTER  
141 N W BARSTOW ST., RM. 180  
WAUKESHA, WI 53187  
(262) 574-2141

DESIGN CONTACT

COLLINS ENGINEERS, INC.  
2033 W. HOWARD AVE  
MILWAUKEE, WI 53221  
ATTN: VERONICA CHAVEZ DE FERNANDEZ  
(414) 282-6905



Toll Free (800) 242-8511 or (811)  
Hearing Impaired TDD (800) 542-2289  
www.DiggersHotline.com

SIGN BRIDGE LOCATIONS - KENOSHA COUNTY

STRUCTURE NUMBER	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-30-6	STH-158	WB	STH-158 WB, 1/4 MILE EAST OF I-94
S-30-7	I-94	NB	I-94 NB, ON THE STH-158 EXIT RAMP
S-30-9	STH-165	WB	STH-165 WB, AT ON RAMP TO I-94 SB
S-30-12	I-94	NB	I-94 NB, ON THE RAMP TO STH-165 AND THE TOURIST INFO
S-30-211	STH-31	NB	STH-31 NB JUST SOUTH OF 67TH STREET

SIGN BRIDGE LOCATIONS - MILWAUKEE COUNTY

STRUCTURE NUMBER	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-40-1	I-43	NB	I-43 NB AT RAMP FROM NATIONAL AVE
S-40-7	I-94	WB	I-94 WB, 1/4 MILE EAST OF USH-41
S-40-9	I-894	WB	I-894 WB, 1/4 MILE EAST OF 60TH STREET
S-40-21	I-43	SB	I-43 SB, 1/2 MILE NORTH OF STH-100
S-40-36	USH-45	SB	USH-45 SB, JUST NORTH OF I-94 WESTBOUND RAMP
S-40-37	I-894	WB	I-894 WB, 1/4 MILE NORTH OF GREENFIELD AVE
S-40-38	I-894	WB	I-894 WB, AT THE ZOO INTERCHANGE
S-40-64	I-43	NB	I-43 NB, 1/2 MILE NORTH OF SILVER SPRING DRIVE
S-40-120	I-43	NB	I-43 NB AT THE HALE INTERCHANGE
S-40-126	I-894	SB	I-894 SB, 1/8 MILE NORTH OF OKLAHOMA AVE
S-40-154	I-94	SB	I-94 SB, JUST NORTH OF LAPHAM BLVD EXIT
S-40-190	I-794	EB	I-794 EB AT JEFFERSON STREET
S-40-197	USH-45	SB	USH-45 SB JUST NORTH OF WISCONSIN AVE
S-40-203	I-94	EB	I-94 EB, 1/4 MILE WEST OF HAWLEY ROAD
S-40-204	I-94	EB	I-94 EB, 1/4 MILE WEST OF 35TH STREET
S-40-206	I-94	EB	I-94 EB, 1/4 MILE WEST OF 26TH STREET
S-40-207	I-94	SB/NB	I-94 IN MEDIAN, 1 1/4 MILE SOUTH OF RAWSON AVE
S-40-213	I-894	EB/WB	I-894 IN MEDIAN, 1/4 MILE NORTH OF LINCOLN AVE
S-40-214	I-894	EB	I-894 IN MEDIAN, NORTH OF LINCLON AVE
S-40-216	I-894	WB	I-894 IN MEDIAN, 1/4 MILE NORTH OF BELOIT RD
S-40-217	I-894	EB/WB	I-894 IN MEDIAN, 1/2 MILE SOUTH OF BELOIT RD
S-40-218	I-894	EB/WB	I-894 IN MEDIAN, 1 3/4 MILE WEST OF 60TH ST
S-40-219	I-894	WB	I-894 IN MEDIAN, AT 76TH ST
S-40-220	I-894	EB	I-894 IN MEDIAN, WEST OF 68TH ST
S-40-222	I-894	EB/WB	I-894 IN MEDIAN, 1/4 MILE EAST OF 60TH ST
S-40-224	I-43	NB/SB	I-43 NB/SB, 1/2 MILE SOUTH OF LOCUST STREET
S-40-226	I-43	NB	I-43 IN MEDIAN, 1/4 MILE SOUTH OF KEEFE AVE
S-40-227	I-43	NB	I-43 NB, 1/4 MILE SOUTH OF CAPITOL DRIVE
S-40-228	I-43	NB	I-43 SB, 1/4 MILE NORTH OF ATKINSON AVE
S-40-229	I-43	NB	I-43 NB, 1/4 MILE SOUTH OF SILVER SPRING DRIVE
S-40-260	GOOD HOPE	WB	GOOD HOPE RD WB, JUST EAST OF USH-45
S-40-272	USH-45	SB	USH-45 SB ON RAMP FROM STH-175
S-40-273	USH-45	SB	USH-45 SB ON RAMP FROM WATERTOWN PLANK ROAD
S-40-275	STH-100	WB	STH-100 WB, AT 124TH ST
S-40-285	STH-145	WB	STH-145 WB JUST WEST OF 6TH STREET
S-40-288	STH-241	NB	STH-241 NB, JUST SOUTH OF STH-100
S-40-321	USH-41	NB	ON THE USH-41 NB OFF RAMP TO CANAL STREET
S-40-322	USH-41	NB	ON THE USH-41 SB ON RAMP JUST SOUTH OF CANAL STREET
S-40-326	STH-175	NB	STH-175 SB (APPLETON AVE) AT USH-41/USH-45 SPLIT
S-40-327	USH-41	NB	USH-41 NB AT THE EXIT TO STH-175/ METRO BOULEVARD
S-40-328	STH-145	NB	STH-145 NB AT THE EXIT TO PARK PLACE
S-40-338	USH-41	NB	USH-41 NB, 1/4 MILE SOUTH OF STATE STREET
S-40-339	USH-41	NB	USH-41 NB AT EXIT TO STATE STREET
S-40-340	USH-41	SB	USH-41 SB, 1/4 MILE NORTH OF WELLS STREET EXIT
S-40-348	I-43	NB	I-43 NB, AT EXIT TO ATKINSON AVE
S-40-353	USH-45	SB	USH-45 SB, 1/2 MILE NORTH OF THE HAMPTON AVE OFF RAMP

SIGN BRIDGE LOCATIONS - MILWAUKEE COUNTY, CONTINUED

STRUCTURE NUMBER	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-40-354	USH-45	SB	USH-45 SB AT EXIT TO NORTH AVE EAST
S-40-355	USH-45	SB	USH-45 SB JUST NORTH OF THE NORTH AVE WEST OFF RAMP
S-40-388	I-43/I-94	SB	I-43 SB/I-94 EB JUST NORTH OF 13TH STREET
S-40-394	USH-41	SB	USH-41 SB AT I-94 EB/WB SPLIT
S-40-395	I-94	EB	I-94 EB JUST WEST OF THE STADIUM INTERCHANGE
S-40-396	I-94	WB	I-94 WB AT THE EXIT TO MITCHELL BOULEVARD
S-40-397	USH-45	SB	USH-45 SB JUST NORTH OF BLUEMOUND ROAD
S-40-400	USH-45	SB	USH-45 SB, 100 FEET NORTH OF BURLEIGH ST
S-40-402	I-43	SB	I-43 SB, 0.1 MILE NORTH OF LOCUST ST
S-40-403	I-94	NB	I-94 NB, 3/4 MILE NORTH OF HOLT AVE
S-40-406	I-894	WB	I-894 WB, 1/4 MILE SOUTH OF NATIONAL AVE
S-40-407	STH-100	NB	STH-100 NB, 1/4 MILE SOUTH OF I-43
S-40-422	STH-59	WB	STH-59 (NATIONAL AVE) WB JUST WEST OF 41ST STREET
S-40-423	N/A	WB	GOOD HOPE ROAD WB JUST EAST OF THE USH-45 NB ON RAMP
S-40-425	N/A	EB	BLUEMOUND ROAD EB, 150 FT WEST OF 113TH STREET
S-40-426	STH-175	SB	STH-175 SB, 1/2 MILE NORTH OF USH-41/45 SB
S-40-520	I-43	SB	I-43 SB, 1/4 MILE NORTH OF NATIONAL AVE
S-40-522	I-94	NB	I-94 NB, 1/2 MILE NORTH OF NATIONAL AVE
S-40-523	I-43	NB	ON RAMP FROM I-43 NB TO I-794 EB
S-40-531	I-794	EB	I-794 EB AT EXIT TO ST. PAUL AVE/JAMES LOVELL STREET
S-40-533	I-43	SB	I-43 SB, AT EXIT TO PLANKINTON AVE
S-40-540	I-794	WB	I-794 WB AT THE MILWAUKEE RIVER
S-40-546	I-94	EB	I-94 EB RAMP TO I-43 NB LOCATED 50 FT SOUTH OF
S-40-549	I-94	NB	I-94 NB, 1/2 MILE SOUTH OF NATIONAL AVE
S-40-621	PORT WASHINGTON	SB	PORT WASHINGTON RD SB, JUST NORTH OF SILVER SPRING
S-40-700	I-94	WB	I-94 WB, ON RAMP FROM 28TH ST
S-40-701	I-43	NB	I-43 NB, ON RAMP FROM NORTH AVE
S-40-708	I-43	NB	I-43 NB ON THE USH-145 ON RAMP
S-40-710	I-94	WB	I-94 WB, ON EXIT RAMP TO 25TH ST / CLYBOURN ST
S-40-722	I-94	WB	I-94 WB, ON EXIT RAMP TO PLANKINTON AVE
S-40-729	I-94	WB	TORY HILL RAMP TO I-94 WB
S-40-730	I-94	SB	WISCONSIN AVE RAMP TO I-94 SB
S-40-731	I-94	WB	CLYBOURN ST ON RAMP TO I-94 WB
S-40-733	11TH ST	SB	11TH ST SB, 300 FT NORTH OF WISCONSIN AVE
S-40-903	STH-175	NB	APPLETON AVE NB AT ON RAMP TO USH-45 NB
S-40-905	STH-36	NB	STH-36 NB, 400 FT SOUTH OF LAYTON AVE
S-40-912	CTH-BB	WB	CTH-BB (RAWSON AVE) WB JUST EAST OF 27TH STREET
S-40-916	I-43	SB	I-43 SB, ON THE RAMP TO STH-100
S-40-917	USH-45	SB	USH-45 SB, ON RAMP FROM HAMPTON AVE
S-40-921	STH-100	SB	STH-100 SB JUST NORTH OF USH-18

SIGN BRIDGE LOCATIONS - OZAUKEE COUNTY

STRUCTURE NUMBER	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-45-201	STH-57	EB	STH-57 (MEQUON ROAD) EB JUST WEST OF I-43
S-45-600	PORT WASHINGTON	SB	PORT WASHINGTON RD SB, AT MEQUON RD

SIGN BRIDGE LOCATIONS - RACINE COUNTY

STRUCTURE NUMBER	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-51-10	STH-38	EB/WB	STH-38 EB JUST EAST OF RAPIDS DRIVE
S-51-401	I-94	WB	I-94 WB, 1/8 MILE NORTH OF CTH-G

SIGN BRIDGE LOCATIONS - WALWORTH COUNTY

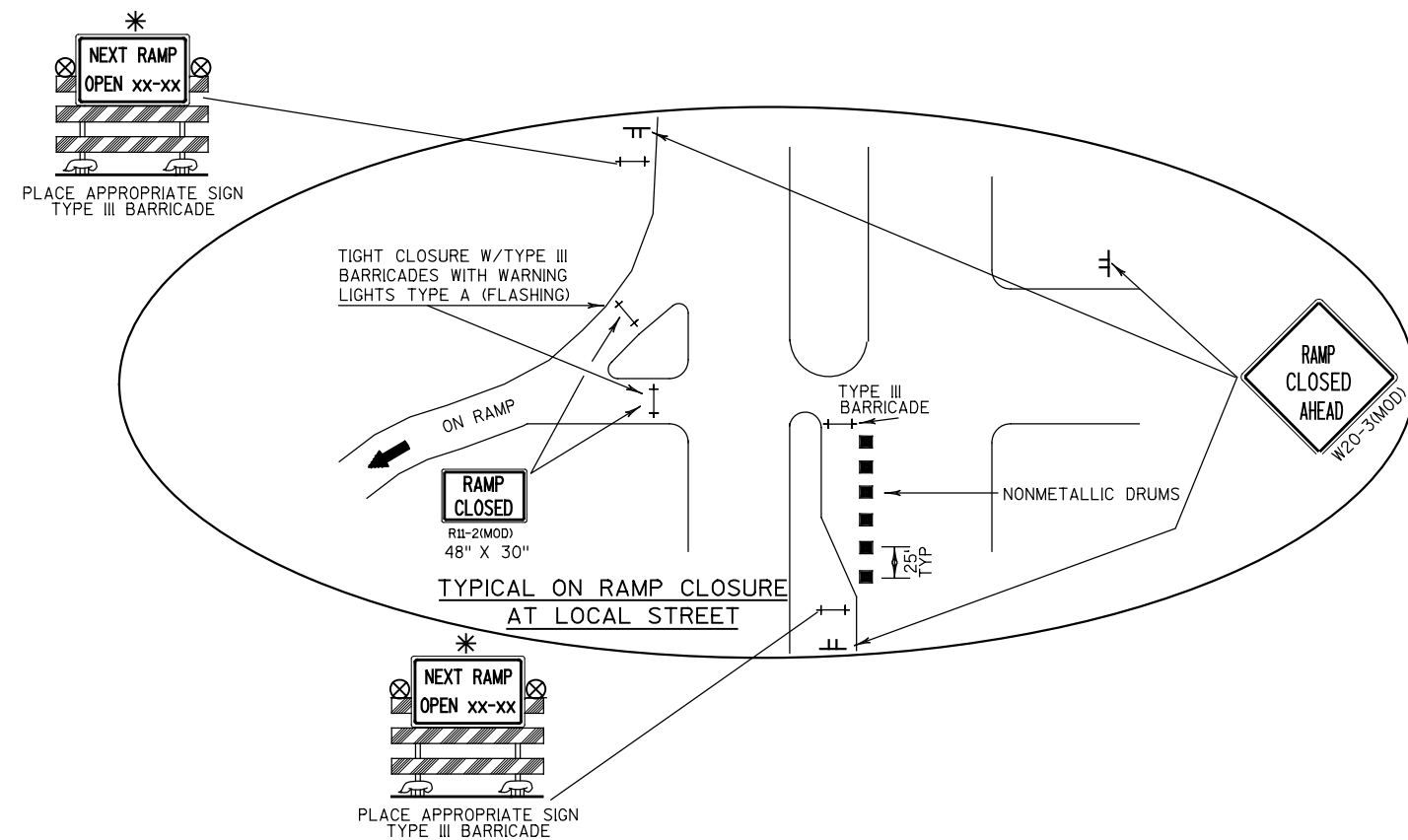
STRUCTURE NUMBER	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-64-12	STH-12	WB	STH-12 WB AT THE EXIT TO CTH-NN
S-64-201	STH-50	EB	STH-50 EB, 1/2 MILE EAST OF I-43
S-64-206	USH-12	SB	USH-12 SB, AT THE INTERSECTION FOR CTH-H

SIGN BRIDGE LOCATIONS -WASHINGTON COUNTY

STRUCTURE NUMBER	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-66-3	USH-41	NB	USH-41 NB, AT THE EXIT TO STH-60 EB
S-66-4	USH-41	NB	USH-41 NB, AT THE EXIT TO STH-60 WB
S-66-200	USH-41	NB	USH-41 NB, 1/2 MILE NORTH OF CTH-Q
S-66-203	STH-167	WB	STH-167 WB JUST EAST OF USH-41
S-66-601	PARADISE DR	EB	PARADISE DR EB, 0.1 MILE EAST OF USH-45 NB
S-66-602	PARADISE DR	WB	PARADISE DR WB, 0.1 MILE EAST OF USH-45 NB

SIGN BRIDGE LOCATIONS - WAUKESHA COUNTY

STRUCTURE NUMBER	HIGHWAY	DIRECTION OF TRAVEL	LOCATION
S-67-1	USH-41	SB	USH-41 SB, JUST NORTH OF THE MAIN STREET EB RAMP
S-67-2	USH-41/45	NB	USH-45 SB, 1/4 MILE NORTH OF MAIN STREET STH-74
S-67-15	MOORLAND RD	NB/SB	MOORLAND RD, 0.1 MILE NORTH OF I-94
S-67-23	USH-18	WB	USH-18 WB, AT USH-18 / CTH-JJ GORE
S-67-29	I-94	WB	I-94 WB, 1/4 MILE EAST OF STH-16
S-67-31	I-94	EB	I-94 EB, 1/2 MILE WEST OF CTH-J
S-67-33	STH-16	SB	STH-16 SB, 1/4 MILE NORTH OF CTH-JJ
S-67-35	STH-16	NB	STH-16 NB, 1/2 MILE SOUTH OF CAPITOL DR
S-67-36	STH-16	NB	STH-16 NB, JUST SOUTH OF CAPITOL DR EXIT RAMP
S-67-218	I-94	WB	I-94 WB ON THE OFF RAMP TO USH-83
S-67-234	STH-59	WB	STH-59 (GREENFIELD AVE) WB JUST WEST OF CTH-Y
S-67-237	USH-41/45	SB	USH-41/USH-45 SB ON RAMP FROM PILGRIM ROAD
S-67-253	STH-67	SB	STH-67 SB, JUST NORTH OF CTH-DR
S-67-257	STH-190	EB	STH-190 EB, 0.1 MILE WEST OF STH-164
S-67-273	I-43	SB	I-43 SB, EXIT RAMP TO MOORLAND RD
S-67-275	I-43	NB	I-43 NB, ON EXIT RAMP TO MOORLAND RD
S-67-281	I-94	WB	I-94 WB, ON EXIT RAMP TO BARKER RD
S-67-288	USH-18	EB	USH-18 EB, 100' EAST OF THOMAS LANE
S-67-300	USH-41	NB	USH-41 NB, JUST SOUTH OF MAIN ST WB EXIT
S-67-305	USH-41	NB	USH-41 NB, 0.2 MILE SOUTH OF MAIN ST
S-67-310	I-43	SB	I-43 SB, 1/8 MILE SOUTH OF MOORLAND RD
S-67-315	I-94	WB	I-94 WB, 1/4 MILE EAST OF MOORLAND ROAD
S-67-408	I-43	NB	I-43 NB, 1/8 MILE NORTH OF SUNNYSLOPE ROAD
S-67-909	STH-67	SB	STH-67 SB JUST NORTH OF CTH-B
S-67-910	STH-16	SB	STH-16 SB, 1/4 MILE NORTH OF CTH-Z



### TRAFFIC CONTROL NOTES

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

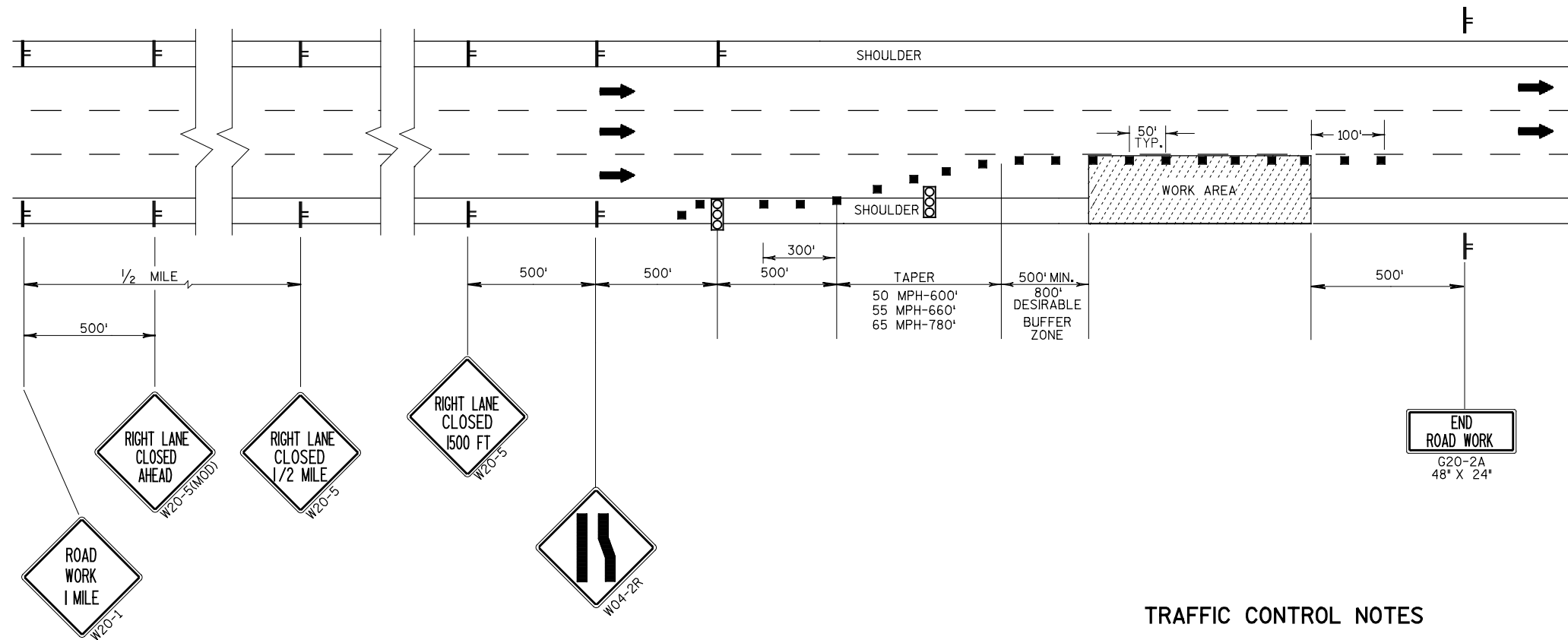
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

### LEGEND

- TRAFFIC CONTROL DEVICE
- ⌵ SIGN ON TEMPORARY SUPPORT FOR SHORT TERM 3 DAYS OR LESS
- † TYPE III BARRICADE
- ⊗ WARNING LIGHT, TYPE A (FLASHING)

## TYPICAL ONE-LANE CLOSURE (SHORT TERM-3 DAYS OR LESS)



## LEGEND

- TRAFFIC CONTROL DEVICE
- ⊢ SIGN ON FIXED SUPPORT
- ⊢ SIGN ON TEMPORARY SUPPORT
- ⊢ ARROW BOARD

## TRAFFIC CONTROL NOTES

RIGHT LANE CLOSURE SHOWN, LEFT LANE CLOSURE SIMILAR.

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

FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A WARNING LIGHT, TYPE C (STEADY BURN).

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

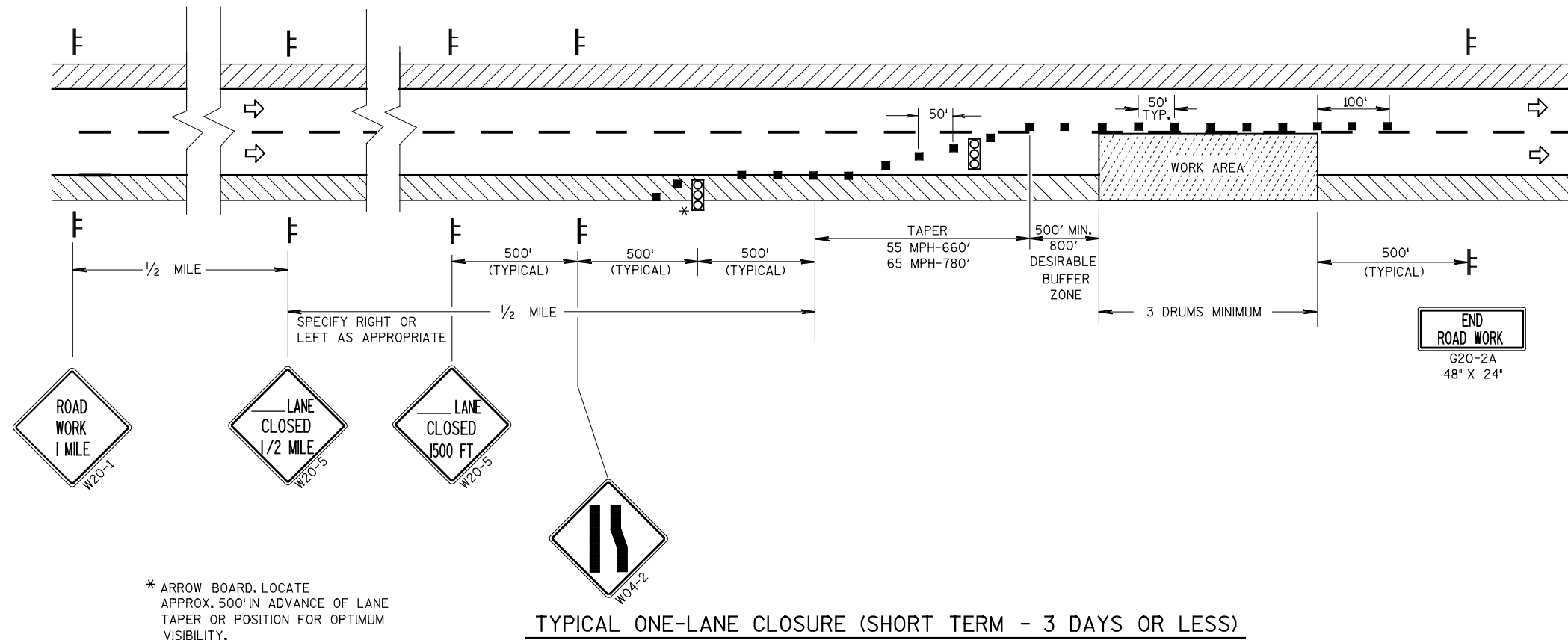
"W0" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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 DIRECTED BY THE ENGINEER.

ALL SHORT TERM LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROWBOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

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

**LEGEND**

- ┌ SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DEVICE
- ◻ ARROW BOARD

**SPECIAL APPLICATION NOTES**

THE TAPER SHOULD EXTEND ACROSS THE SHOULDER, UNLESS DOING SO WOULD GREATLY CONFLICT WITH THE WORK OPERATION.

ALL LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROWBOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

**GENERAL NOTES FOR TRAFFIC CONTROL**

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

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

DURING HOURS OF DARKNESS, TYPE "C" (STEADY BURN) LIGHTS SHALL BE PROVIDED ON ALL CHANNELIZING DEVICES IN TAPERS. BARRICADES SHIELDING AN ISOLATED HAZARD, SHALL BE EQUIPPED WITH TYPE "A" (LOW-INTENSITY FLASHING) LIGHTS.

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 DIRECTED BY THE ENGINEER.

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

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

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

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

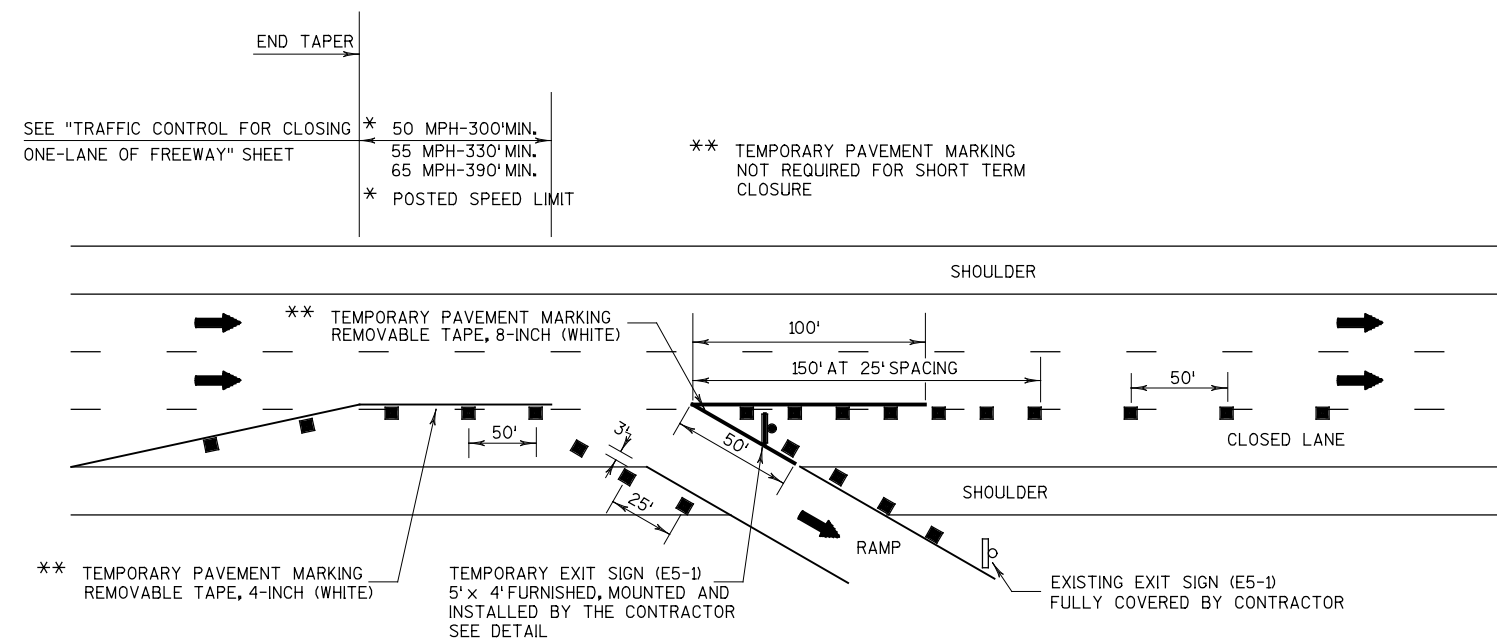
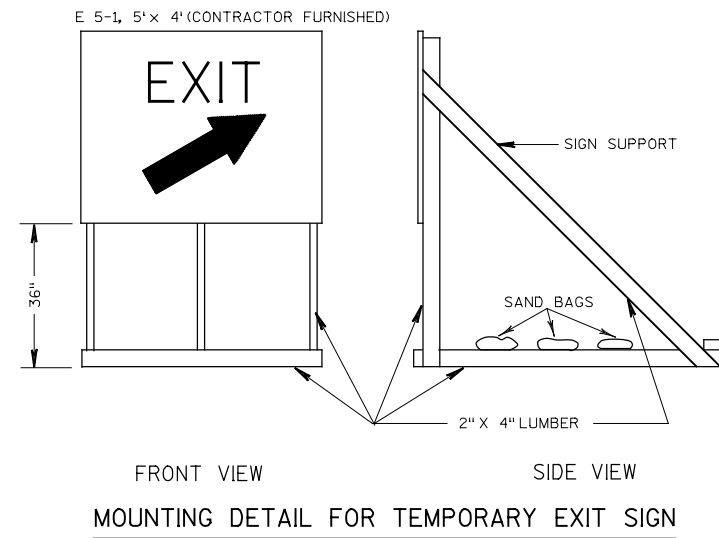
RIGHT LANE CLOSURE SHOWN, LEFT LANE CLOSURE SIMILAR.

## GENERAL NOTES

1. ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.
2. FOR NIGHTTIME OPERATION ALL DRUMS SHALL HAVE A WARNING LIGHT, TYPE C (STEADY BURN).
3. FOR SHORT TERM (3 DAYS OR LESS) FREEWAY LANE CLOSURES TEMPORARY SIGN SUPPORTS MAY BE USED. REMOVE OR COVER SIGNS WHEN NOT IN USE.

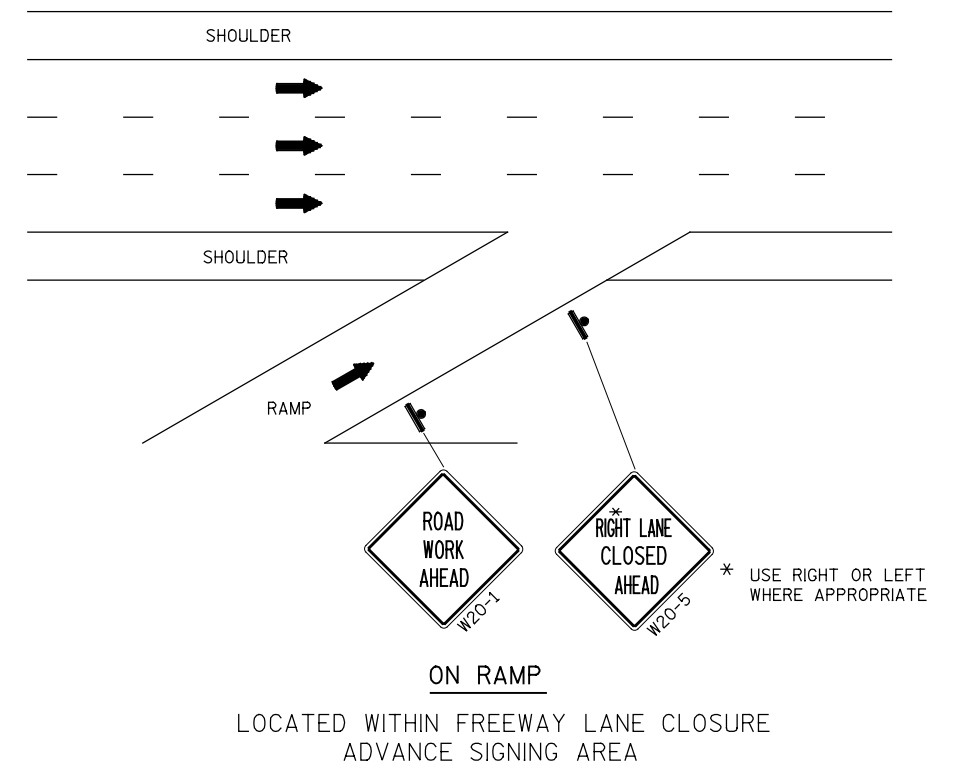
## LEGEND

- — TRAFFIC CONTROL DEVICE
- ⌋ — SIGN ON TEMPORARY SUPPORT

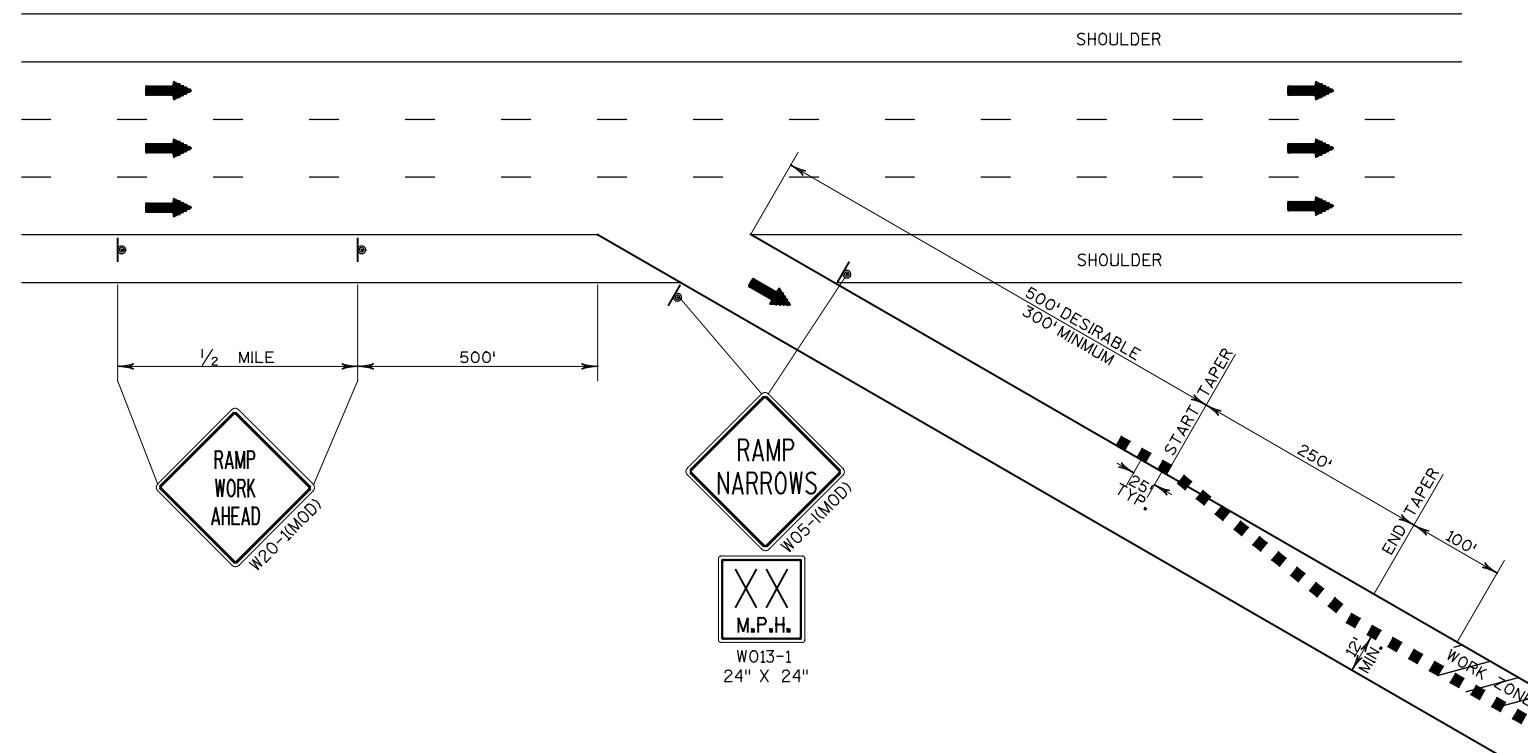


## EXIT RAMP

LOCATED WITHIN CLOSED FREEWAY LANE AREA





TYPICAL PARTIAL EXIT RAMP CLOSURE (SHORT TERM-3 DAYS OR LESS)**LEGEND**

- TRAFFIC CONTROL DEVICE
- ▮ SIGN ON TEMPORARY SUPPORT
- ⊗ WARNING LIGHT, TYPE A (FLASHING)

**TRAFFIC CONTROL NOTES**

LEFT SIDE CLOSURE SHOWN, RIGHT SIDE CLOSURE SIMILAR.

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

FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A WARNING LIGHT, TYPE "C" (STEADY BURN).

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

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

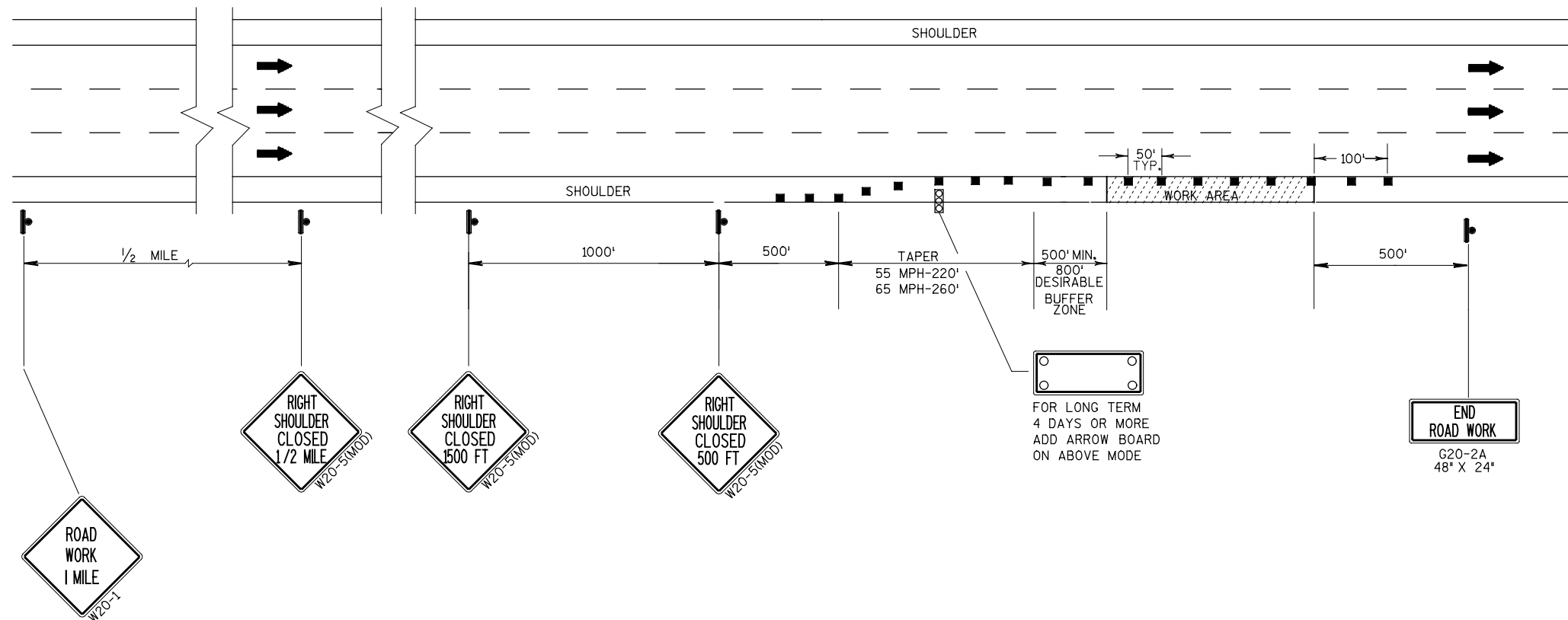
WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

ALL SHORT TERM LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROWBOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE ROADWAY IS RESTORED TO A SAFE OPERATING CONDITION.

SPEED RECOMMENDED BY W05-1(MOD) SIGN SHALL BE 5 M.P.H. BELOW ADVISORY EXIT RAMP SPEED OR AS DIRECTED BY THE ENGINEER.

SIGNING ON FREEWAY IN ADVANCE OF EXIT RAMP GORE SHALL BE LOCATED ON THE SAME SIDE OF THE FREEWAY AS THE EXIT RAMP.

## TYPICAL SHOULDER CLOSURE (SHORT TERM-3 DAYS OR LESS OR 4 DAYS OR MORE)



## LEGEND

- TRAFFIC CONTROL DEVICE
- ├ SIGN ON TEMPORARY SUPPORT (FOR 3 DAYS OR LESS SHORT TERM)
- └ SIGN ON FIXED SUPPORT FOR 4 DAYS OR MORE (LONG TERM)
- ▣ ARROW BOARD

## TRAFFIC CONTROL NOTES

RIGHT LANE CLOSURE SHOWN, LEFT LANE CLOSURE SIMILAR.

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

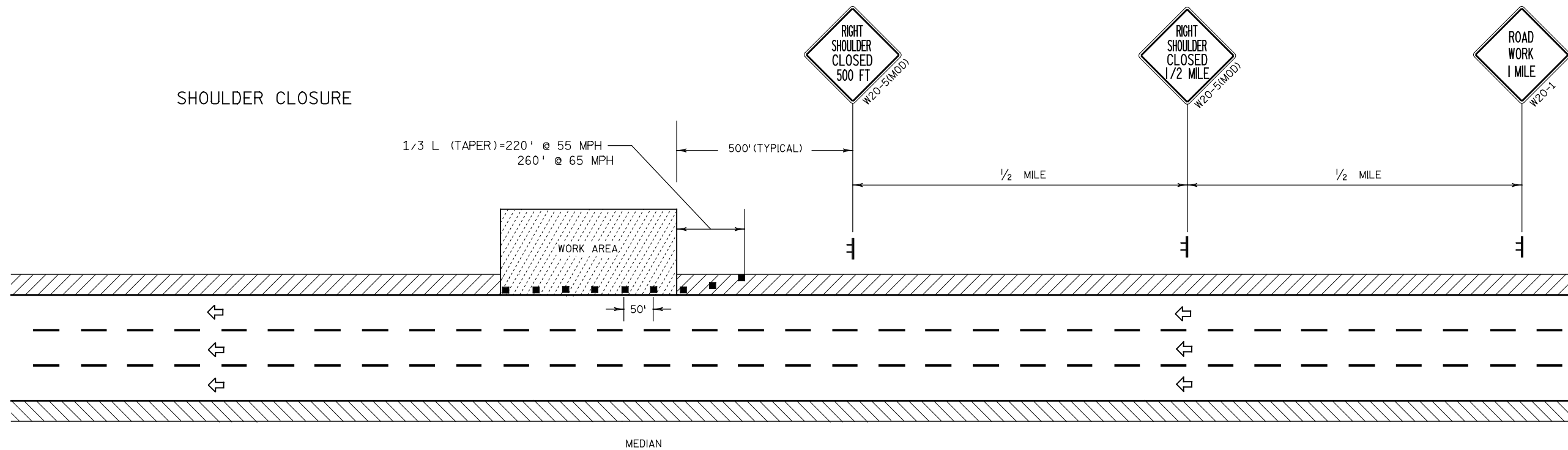
FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A WARNING LIGHT, TYPE C (STEADY BURN).




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

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

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 DIRECTED BY THE ENGINEER.

ALL SHORT TERM LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROWBOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

**LEGEND**

-  SIGN ON TEMPORARY SUPPORT
-  TRAFFIC CONTROL DEVICE
-  ARROW BOARD

**SPECIAL APPLICATION NOTES**

THE TAPER SHOULD EXTEND ACROSS THE SHOULDER, UNLESS DOING SO WOULD GREATLY CONFLICT WITH THE WORK OPERATION.

ALL LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROWBOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

**GENERAL NOTES FOR TRAFFIC CONTROL**

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

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

DURING HOURS OF DARKNESS, TYPE "C" (STEADY BURN) LIGHTS SHALL BE PROVIDED ON ALL CHANNELIZING DEVICES IN TAPERS. BARRICADES SHIELDING AN ISOLATED HAZARD, SHALL BE EQUIPPED WITH TYPE "A" (LOW-INTENSITY FLASHING) LIGHTS.

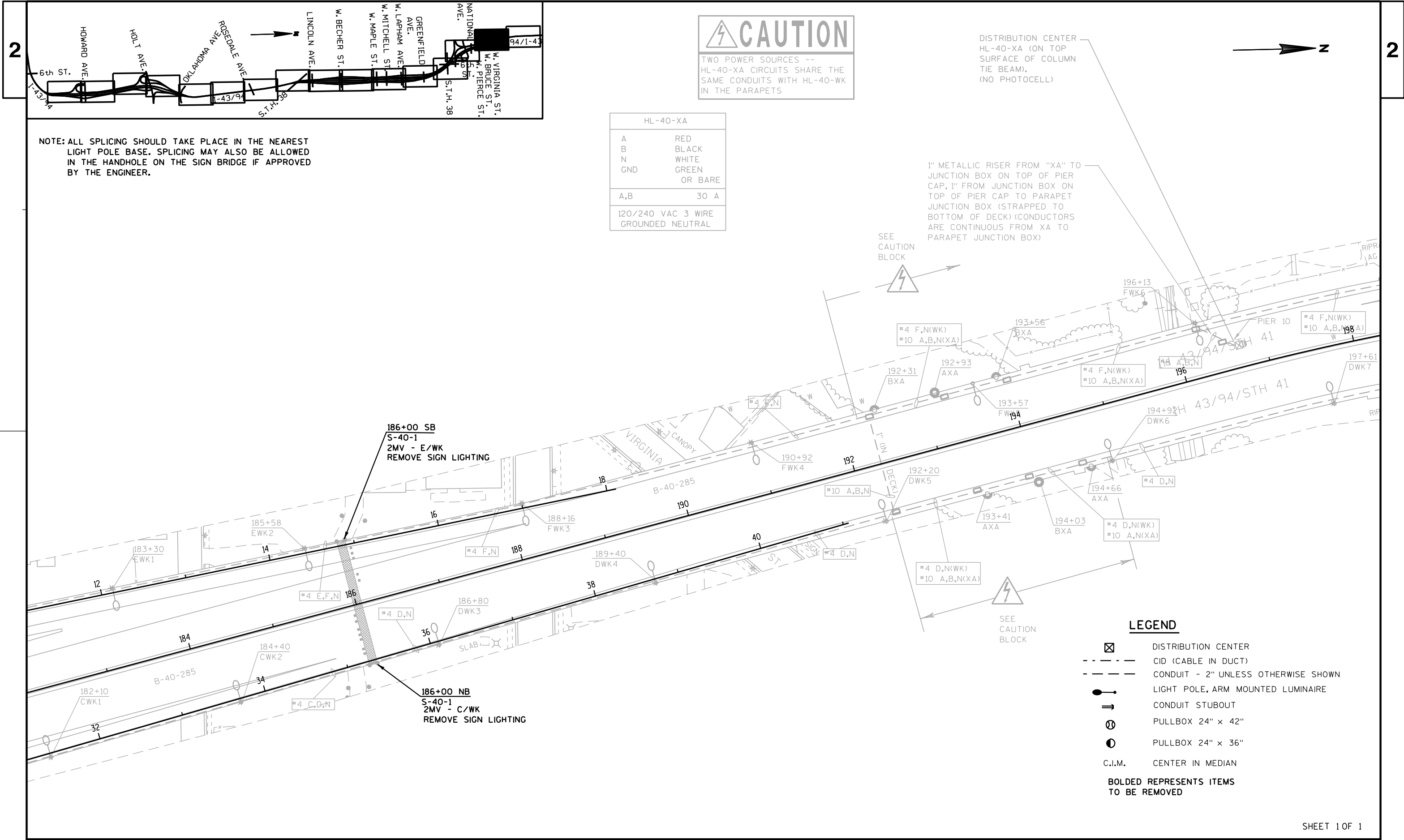
WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

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

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

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

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



NOTE: ALL SPLICING SHOULD TAKE PLACE IN THE NEAREST LIGHT POLE BASE. SPLICING MAY ALSO BE ALLOWED IN THE HANDHOLE ON THE SIGN BRIDGE IF APPROVED BY THE ENGINEER.

HL-40-XA	
A	RED
B	BLACK
N	WHITE
GND	GREEN OR BARE
A,B	30 A
120/240 VAC 3 WIRE GROUNDED NEUTRAL	

DATE 18MAR13		E S T I M A T E O F Q U A N T I T I E S			
LINE				1000-19-79	
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0010	509.1500	CONCRETE SURFACE REPAIR	SF	21.500	21.500
0020	602.0410	CONCRETE SIDEWALK 5-INCH	SF	16.000	16.000
0030	619.1000	MOBILIZATION	EACH	1.000	1.000
0040	634.0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	1.000	1.000
0050	637.0101	SIGNS TYPE I	SF	958.000	958.000
0060	637.0202	SIGNS REFLECTIVE TYPE II	SF	14.000	14.000
0070	638.2102	MOVING SIGNS TYPE II	EACH	5.000	5.000
0080	638.2601	REMOVING SIGNS TYPE I	EACH	5.000	5.000
0090	643.0100	TRAFFIC CONTROL (PROJECT) 01. 1000-19-79	EACH	1.000	1.000
0100	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 01. S-40-708	LS	1.000	1.000
0110	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 02. S-40-729	LS	1.000	1.000
0120	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 03. S-40-731	LS	1.000	1.000
0130	658.5069	SIGNAL MOUNTING HARDWARE (LOCATION) 04. S-40-917	LS	1.000	1.000
0140	659.0802	PLAQUES SEQUENCE IDENTIFICATION	EACH	1.000	1.000
0150	SPV.0025	SPECIAL 01. REPAIR FOUNDATION	CF	3.000	3.000
0160	SPV.0035	SPECIAL 01. FILL EROSION	CY	5.500	5.500
0170	SPV.0060	SPECIAL 01. REMOVE FORMWORK TO GRADE	EACH	2.000	2.000
0180	SPV.0060	SPECIAL 02. REPAIR WELD	EACH	4.000	4.000
0190	SPV.0060	SPECIAL 03. REMOVE OVERHEAD TYPE II SIGN ASSEMBLY	EACH	1.000	1.000
0200	SPV.0060	SPECIAL 04 TENSION POST TO TRUSS CONNECTION BOLT	EACH	6.000	6.000
0210	SPV.0060	SPECIAL 05. TIGHTEN LOOSE U-BOLT	EACH	1.000	1.000
0220	SPV.0060	SPECIAL 06. INSTALL OVERHEAD SIGN MOUNTING SYSTEM	EACH	22.000	22.000
0230	SPV.0060	SPECIAL 07. REPLACE JUNCTION BOX COVER	EACH	2.000	2.000
0240	SPV.0060	SPECIAL 08. TENSION SPLICE BOLT	EACH	1.000	1.000
0250	SPV.0060	SPECIAL 09. REALIGN HANDRAIL LOCKING PIN	EACH	5.000	5.000
0260	SPV.0060	SPECIAL 10. REPLACE SIGN PANEL CONNECTOR	EACH	1,095.000	1,095.000
0270	SPV.0060	SPECIAL 11. REPLACE SIGN BRIDGE ID PLAQUE	EACH	11.000	11.000
0280	SPV.0060	SPECIAL 12. REPLACE SAFETY CHAIN	EACH	3.000	3.000
0290	SPV.0060	SPECIAL 13. REPLACE RAILING HINGE ROD	EACH	48.000	48.000
0300	SPV.0060	SPECIAL 14. REPLACE MISSING CONDUIT PLUG	EACH	8.000	8.000
0310	SPV.0060	SPECIAL 15. SECURE JUNCTION BOX	EACH	2.000	2.000
0320	SPV.0060	SPECIAL 16. SECURE POST CAP	EACH	1.000	1.000
0330	SPV.0060	SPECIAL 17. REPLACE LUMINAIRE LENS	EACH	2.000	2.000
0340	SPV.0060	SPECIAL 18. SECURE LUMINAIRE COVER	EACH	13.000	13.000
0350	SPV.0060	SPECIAL 19. TIGHTEN/REPLACE HANDHOLE COVER BOLT	EACH	6.000	6.000
0360	SPV.0060	SPECIAL 20. REATTACH TYPE II SIGN	EACH	2.000	2.000
0370	SPV.0060	SPECIAL 21. REPLACE SIGN MOUNT CONNECTION BOLT	EACH	1.000	1.000
0380	SPV.0060	SPECIAL 22. REPLACE RODENT SCREEN	EACH	29.000	29.000
0390	SPV.0060	SPECIAL 23. TIGHTEN LEVELING NUT	EACH	1.000	1.000
0400	SPV.0060	SPECIAL 24. INSTALL U-BOLT	EACH	1.000	1.000
0410	SPV.0060	SPECIAL 25. TYPE I SIGN I-BEAM REPLACEMENT	EACH	5.000	5.000
0420	SPV.0060	SPECIAL 26. TIGHTEN SIGNAL MOUNT SOCKET CONNECTION	EACH	1.000	1.000
0430	SPV.0060	SPECIAL 27. REPLACE DISHED WASHER	EACH	1.000	1.000
0440	SPV.0060	SPECIAL 28. TYPE II FOLD UP SIGN HINGES	EACH	2.000	2.000

DATE 18MAR13			E S T I M A T E O F Q U A N T I T I E S				
LINE	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1000-19-79	QUANTITY	
0450	SPV. 0060	SPECIAL 29. REPLACE LUMI NAI RE SUPPORT CHANNEL BOLT	EACH	1. 000		1. 000	
0460	SPV. 0060	SPECIAL 30. REPLACE MI SSING HANDHOLE COVER	EACH	1. 000		1. 000	
0470	SPV. 0060	SPECIAL 31. TIGHTEN LI GHT POLE CONNECTION BOLT	EACH	2. 000		2. 000	
0480	SPV. 0060	SPECIAL 32. REMOVE FI LL AND REGRADE	EACH	5. 000		5. 000	
0490	SPV. 0060	SPECIAL 33. LAMP DI SPOSAL HI GH INTENSI TY DI SCHARGE	EACH	6. 000		6. 000	
0500	SPV. 0060	SPECIAL 34. STOCKPI LING SI GN LI GHTI NG LUMI NAI RES	EACH	1. 000		1. 000	
0510	SPV. 0060	SPECIAL 35. TENSION ANCHOR ROD	EACH	1. 000		1. 000	
0520	SPV. 0060	SPECIAL 36. REMOVE GROUT PAD	EACH	4. 000		4. 000	
0530	SPV. 0060	SPECIAL 37. REMOVI NG SI GN LI GHTI NG	EACH	1. 000		1. 000	
0540	SPV. 0090	SPECIAL 01. INSTALL CATWALK BACK HANDRAIL	LF	16. 000		16. 000	
0550	SPV. 0090	SPECIAL 02. REPLACE CATWALK TOEBOARD	LF	5. 000		5. 000	
0560	SPV. 0105	SPECIAL 01 REMOVE CATWALK (S-40-1)	LS	1. 000		1. 000	
0570	SPV. 0105	SPECIAL 02. REMOVI NG SI GN BRIDGE S-40-422	LS	1. 000		1. 000	

STRUCTURE NUMBER	ELEVATION VIEW SHEET NUMBER	HIGHWAY	DIRECTION OF TRAVEL	LOCATION	CONCRETE SURFACE REPAIR	CONCRETE SIDEWALK 5-INCH	POSTS WOOD 4X6-INCH X 18-FT	SIGNS REFLECTIVE TYPE I	SIGNS REFLECTIVE TYPE II	MOVING SIGNS TYPE II	REMOVING SIGNS TYPE I	SIGNAL MOUNTING HARDWARE S-40-708	SIGNAL MOUNTING HARDWARE S-40-729	SIGNAL MOUNTING HARDWARE S-40-731	SIGNAL MOUNTING HARDWARE S-40-917	PLAQUES SEQUENCE IDENTIFICATION	REPAIR FOUNDATION	FILL EROSION	REMOVE FORMWORK TO GRADE	REPAIR WELD	REMOVE OVERHEAD TYPE II SIGN ASSEMBLY	TENSION POST TO TRUSS CONNECTION BOLT
					509.1500	602.0410	634.0618	637.0101	637.0202 **	638.2102	638.2601	658.5069.01	658.5069.02	658.5069.03	658.5069.04	659.0802	SPV.0025.01	SPV.0035.01	SPV.0060.01	SPV.0060.02	SPV.0060.03	SPV.0060.04
					SF	SF	EACH	SF	SF	EACH	EACH	LS	LS	LS	LS	EACH	CF	CY	EACH	EACH	EACH	EACH
S-30-6	8 OF 136	STH-158	WB	STH-158 WB, 1/4 MILE EAST OF I-94																		
S-30-7	9 OF 136	I-94	NB	I-94 NB, ON THE STH-158 EXIT RAMP																		
S-30-9	10 OF 136	STH-165	WB	STH-165 WB, AT ON RAMP TO I-94 SB																		
S-30-12	11 OF 136	I-94	NB	I-94 NB, ON RAMP TO STH-165 AND THE TOURIST INFO CENTER																		
S-30-211	12 OF 136	STH-31	NB	STH-31 NB JUST SOUTH OF 67TH STREET																		
S-40-1	13 OF 136	I-43	NB	I-43 NB AT RAMP FROM NATIONAL AVE				958			5						3					
S-40-7	14 OF 136	I-94	WB	I-94 WB, 1/4 MILE EAST OF USH-41												1						
S-40-9	15 OF 136	I-894	WB	I-894 WB, 1/4 MILE EAST OF 60TH STREET																		
S-40-21	16 OF 136	I-43	SB	I-43 SB, 1/2 MILE NORTH OF STH-100														0.5				
S-40-36	17 OF 136	USH-45	SB	USH-45 SB, JUST NORTH OF I-94 WESTBOUND RAMP																		
S-40-37	18 OF 136	I-894	WB	I-894 WB, 1/4 MILE NORTH OF GREENFIELD AVE																		
S-40-38	19 OF 136	I-894	WB	I-894 WB, AT THE ZOO INTERCHANGE																		
S-40-64	20 OF 136	I-43	NB	I-43 NB, 1/2 MILE NORTH OF SILVER SPRING DRIVE																		
S-40-120	21 OF 136	I-43	NB	I-43 NB AT THE HALE INTERCHANGE																		
S-40-126	22 OF 136	I-894	SB	I-894 SB, 1/8 MILE NORTH OF OKLAHOMA AVE																		
S-40-154	23 OF 136	I-94	SB	I-94 SB, JUST NORTH OF LAPHAM BLVD EXIT																		
S-40-190	24 OF 136	I-794	EB	I-794 EB AT JEFFERSON STREET																		
S-40-197	25 OF 136	USH-45	SB	USH-45 SB JUST NORTH OF WISCONSIN AVE																		
S-40-203	26 OF 136	I-94	EB	I-94 EB, 1/4 MILE WEST OF HAWLEY ROAD																		
S-40-204	27 OF 136	I-94	EB	I-94 EB, 1/4 MILE WEST OF 35TH STREET																		
S-40-206	28 OF 136	I-94	EB	I-94 EB, 1/4 MILE WEST OF 26TH STREET																		
S-40-207	29 OF 136	I-94	SB/NB	I-94 IN MEDIAN, 1 1/4 MILE SOUTH OF RAWSON AVE																		
S-40-213	30 OF 136	I-894	EB/WB	I-894 IN MEDIAN, 1/4 MILE NORTH OF LINCOLN AVE																		
S-40-214	31 OF 136	I-894	EB	I-894 IN MEDIAN, NORTH OF LINCLON AVE																		
S-40-216	32 OF 136	I-894	WB	I-894 IN MEDIAN, 1/4 MILE NORTH OF БЕЛОIT RD																		
S-40-217	33 OF 136	I-894	EB/WB	I-894 IN MEDIAN, 1/2 MILE SOUTH OF БЕЛОIT RD	3																	
S-40-218	34 OF 136	I-894	EB/WB	I-894 IN MEDIAN, 1 3/4 MILE WEST OF 60TH ST																		
S-40-219	35 OF 136	I-894	WB	I-894 IN MEDIAN, AT 76TH ST																		
S-40-220	36 OF 136	I-894	EB	I-894 IN MEDIAN, WEST OF 68TH ST	3																	
S-40-222	37 OF 136	I-894	EB/WB	I-894 IN MEDIAN, 1/4 MILE EAST OF 60TH ST																		
S-40-224	38 OF 136	I-43	NB/SB	I-43 NB/SB, 1/2 MILE SOUTH OF LOCUST STREET																		
S-40-226	39 OF 136	I-43	NB	I-43 IN MEDIAN, 1/4 MILE SOUTH OF KEEFE AVE																		
S-40-227	40 OF 136	I-43	NB	I-43 NB, 1/4 MILE SOUTH OF CAPITOL DRIVE	3																	
S-40-228	41 OF 136	I-43	NB	I-43 SB, 1/4 MILE NORTH OF ATKINSON AVE	4.5																	
S-40-229	42 OF 136	I-43	NB	I-43 NB, 1/4 MILE SOUTH OF SILVER SPRING DRIVE																		
S-40-260	43 OF 136	GOOD HOPE	WB	GOOD HOPE RD WB, JUST EAST OF USH-45																		
S-40-272	44 OF 136	USH-45	SB	USH-45 SB ON RAMP FROM STH-175																		
S-40-273	45 OF 136	USH-45	SB	USH-45 SB ON RAMP FROM WATERTOWN PLANK ROAD																		
S-40-275	46 OF 136	STH-100	WB	STH-100 WB, AT 124TH ST																		
S-40-285	47 OF 136	STH-145	WB	STH-145 WB JUST WEST OF 6TH STREET																		
S-40-288	48 OF 136	STH-241	NB	STH-241 NB, JUST SOUTH OF STH-100					14													
S-40-321	49 OF 136	USH-41	NB	ON THE USH-41 NB OFF RAMP TO CANAL STREET																		
S-40-322	50 OF 136	USH-41	NB	ON THE USH-41 SB ON RAMP JUST SOUTH OF CANAL STREET																		
S-40-326	51 OF 136	STH-175	NB	STH-175 SB (APPLETON AVE) AT USH-41/USH-45 SPLIT																		
S-40-327	52 OF 136	USH-41	NB	USH-41 NB AT THE EXIT TO STH-175/ METRO BOULEVARD																		
S-40-328	53 OF 136	STH-145	NB	STH-145 NB AT THE EXIT TO PARK PLACE																		
S-40-338	54 OF 136	USH-41	NB	USH-41 NB, 1/4 MILE SOUTH OF STATE STREET																		
S-40-339	55 OF 136	USH-41	NB	USH-41 NB AT EXIT TO STATE STREET																		
S-40-340	56 OF 136	USH-41	SB	USH-41 SB, 1/4 MILE NORTH OF WELLS STREET EXIT																		
S-40-348	57 OF 136	I-43	NB	I-43 NB, AT EXIT TO ATKINSON AVE																		
S-40-353	58 OF 136	USH-45	SB	USH-45 SB, 1/2 MILE NORTH OF THE HAMPTON AVE OFF RAMP																		
S-40-354	59 OF 136	USH-45	SB	USH-45 SB AT EXIT TO NORTH AVE EAST																		
S-40-355	60 OF 136	USH-45	SB	USH-45 SB JUST NORTH OF THE NORTH AVE WEST OFF RAMP																		
S-40-388	61 OF 136	I-43/I-94	SB	I-43 SB/I-94 EB JUST NORTH OF 13TH STREET																		
S-40-394	62 OF 136	USH-41	SB	USH-41 SB AT I-94 EB/WB SPLIT																		
S-40-395	63 OF 136	I-94	EB	I-94 EB JUST WEST OF THE STADIUM INTERCHANGE																		
S-40-396	64 OF 136	I-94	WB	I-94 WB AT THE EXIT TO MITCHELL BOULEVARD																		
S-40-397	65 OF 136	USH-45	SB	USH-45 SB JUST NORTH OF BLUEMOUND ROAD																		
S-40-400	66 OF 136	USH-45	SB	USH-45 SB, 100 FEET NORTH OF BURLEIGH ST																		
S-40-402	67 OF 136	I-43	SB	I-43 SB, 0.1 MILE NORTH OF LOCUST ST	5																	
S-40-403	68 OF 136	I-94	NB	I-94 NB, 3/4 MILE NORTH OF HOLT AVE																		
S-40-406	69 OF 136	I-894	WB	I-894 WB, 1/4 MILE SOUTH OF NATIONAL AVE														0.5				
S-40-407	70 OF 136	STH-100	NB	STH-100 NB, 1/4 MILE SOUTH OF I-43																		
S-40-422	71 OF 136	STH-59	WB	STH-59 (NATIONAL AVE) WB JUST WEST OF 41ST STREET			1			5												1
S-40-423	72 OF 136	N/A	WB	GOOD HOPE ROAD WB JUST EAST OF THE USH-45 NB ON RAMP																		
S-40-425	73 OF 136	N/A	EB	BLUEMOUND ROAD EB, 150 FT. WEST OF 113TH STREET																		
S-40-426	74 OF 136	STH-175	SB	STH-175 SB, 1/2 MILE NORTH OF USH-41/45 SB																		
S-40-520	75 OF 136	I-43	SB	I-43 SB, 1/4 MILE NORTH OF NATIONAL AVE																		
S-40-522	76 OF 136	I-94	NB	I-94 NB, 1/2 MILE NORTH OF NATIONAL AVE																		
S-40-523	77 OF 136	I-43	NB	ON RAMP FROM I-43 NB TO I-794 EB																		

REFER TO SHEET 3.4 FOR A CONTINUATION OF SIGN BRIDGES REQUIRING REPAIRS

NOTE:  
FOR FURTHER BREAKDOWN OF QUANTITIES  
REFERENCE STRUCTURAL DRAWINGS 1 TO 136

\*\* SIGNS REFLECTIVE TYPE II  
637.0202  
SF

	SIGN SIZE	SF	SIGN PLATE
SIGN #1	42" X 48"	14	R3-5L

SHEET 3.1 OF 3.6

PROJECT NO: 1000-19-79

HWY: VARIOUS FREEWAYS, STH'S, & USH'S

COUNTY: SOUTHEAST REGION WIDE

MISCELLANEOUS QUANTITIES

E

REFER TO SHEET 3.1 FOR A CONTINUATION OF REPAIRS FOR THESE SIGN BRIDGES

REFER TO SHEET 3.3 FOR A CONTINUATION OF REPAIRS FOR THESE SIGN BRIDGES

NOTE:  
FOR FURTHER BREAKDOWN OF QUANTITIES  
REFERENCE STRUCTURAL DRAWINGS 1 TO 136

REFER TO SHEET 3.5 FOR A CONTINUATION OF SIGN BRIDGES REQUIRING REPAIRS

PROJECT NO:1000-19-79

HWY:VARIOUS FREEWAYS, STH'S, & USH'S

COUNTY:SOUTHEAST REGION WIDE

MISCELLANEOUS QUANTITIES

E

FILE NAME : \$FILES\$

PLOT DATE : 2/22/2013 12:00:22 PM PLOT BY : Veronica Chavezv8I PLOT NAME :

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



REFER TO SHEET 3.2 FOR A CONTINUATION OF REPAIRS FOR THESE SIGN BRIDGES

STRUCTURE NUMBER	ELEVATION VIEW SHEET NUMBER	HIGHWAY	DIRECTION OF TRAVEL	LOCATION	TIGHTEN LEVELING NUT	INSTALL U-BOLT	TYPE I SIGN I-BEAM REPLACEMENT	TIGHTEN SIGNAL MOUNT SOCKET CONNECTION	REPLACE DISHED WASHER	TYPE II FOLD UP SIGN HINGES	REPLACE LUMINAIRE SUPPORT CHANNEL BOLT	REPLACE MISSING HANDHOLE COVER	TIGHTEN LIGHT POLE CONNECTION BOLT	REMOVE FILL AND REGRADE	LAMP DISPOSAL HIGH INTENSITY DISCHARGE	STOCKPILING SIGN LIGHTING LUMINAIRES	TENSION ANCHOR ROD	REMOVE GROUT PAD	REMOVING SIGN LIGHTING	INSTALL CATWALK BACK HANDRAIL	REPLACE CATWALK TOEBOARD	REMOVE CATWALK	REMOVING SIGN BRIDGE S-40-422
					SPV.0060.23	SPV.0060.24	SPV.0060.25	SPV.0060.26	SPV.0060.27	SPV.0060.28	SPV.0060.29	SPV.0060.30	SPV.0060.31	SPV.0060.32	SPV.0060.33	SPV.0060.34	SPV.0060.35	SPV.0060.36	SPV.0060.37	SPV. 0090.01	SPV.0090.02	SPV.0105.01	SPV.105.02
					EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	LS	LS
S-30-6	8 OF 136	STH-158	WB	STH-158 WB, 1/4 MILE EAST OF I-94																			
S-30-7	9 OF 136	I-94	NB	I-94 NB, ON THE STH-158 EXIT RAMP																			
S-30-9	10 OF 136	STH-165	WB	STH-165 WB, AT ON RAMP TO I-94 SB																			
S-30-12	11 OF 136	I-94	NB	I-94 NB, ON RAMP TO STH-165 AND THE TOURIST INFO CENTER																			
S-30-211	12 OF 136	STH-31	NB	STH-31 NB JUST SOUTH OF 67TH STREET																			
S-40-1	13 OF 136	I-43	NB	I-43 NB AT RAMP FROM NATIONAL AVE											5		1	4	1			1	
S-40-7	14 OF 136	I-94	WB	I-94 WB, 1/4 MILE EAST OF USH-41																			
S-40-9	15 OF 136	I-894	WB	I-894 WB, 1/4 MILE EAST OF 60TH STREET							1												
S-40-21	16 OF 136	I-43	SB	I-43 SB, 1/2 MILE NORTH OF STH-100																			
S-40-36	17 OF 136	USH-45	SB	USH-45 SB, JUST NORTH OF I-94 WESTBOUND RAMP																			
S-40-37	18 OF 136	I-894	WB	I-894 WB, 1/4 MILE NORTH OF GREENFIELD AVE																			
S-40-38	19 OF 136	I-894	WB	I-894 WB, AT THE ZOO INTERCHANGE																			
S-40-64	20 OF 136	I-43	NB	I-43 NB, 1/2 MILE NORTH OF SILVER SPRING DRIVE																			
S-40-120	21 OF 136	I-43	NB	I-43 NB AT THE HALE INTERCHANGE																			
S-40-126	22 OF 136	I-894	SB	I-894 SB, 1/8 MILE NORTH OF OKLAHOMA AVE																			
S-40-154	23 OF 136	I-94	SB	I-94 SB, JUST NORTH OF LAPHAM BLVD EXIT																			
S-40-190	24 OF 136	I-794	EB	I-794 EB AT JEFFERSON STREET																			
S-40-197	25 OF 136	USH-45	SB	USH-45 SB JUST NORTH OF WISCONSIN AVE																			
S-40-203	26 OF 136	I-94	EB	I-94 EB, 1/4 MILE WEST OF HAWLEY ROAD																			
S-40-204	27 OF 136	I-94	EB	I-94 EB, 1/4 MILE WEST OF 35TH STREET																			
S-40-206	28 OF 136	I-94	EB	I-94 EB, 1/4 MILE WEST OF 26TH STREET																			
S-40-207	29 OF 136	I-94	SB/NB	I-94 IN MEDIAN, 1 1/4 MILE SOUTH OF RAWSON AVE																			
S-40-213	30 OF 136	I-894	EB/WB	I-894 IN MEDIAN, 1/4 MILE NORTH OF LINCOLN AVE																			
S-40-214	31 OF 136	I-894	EB	I-894 IN MEDIAN, NORTH OF LINCLON AVE																			
S-40-216	32 OF 136	I-894	WB	I-894 IN MEDIAN, 1/4 MILE NORTH OF BELOIT RD																			
S-40-217	33 OF 136	I-894	EB/WB	I-894 IN MEDIAN, 1/2 MILE SOUTH OF BELOIT RD																			
S-40-218	34 OF 136	I-894	EB/WB	I-894 IN MEDIAN, 1 3/4 MILE WEST OF 60TH ST																			
S-40-219	35 OF 136	I-894	WB	I-894 IN MEDIAN, AT 76TH ST																			
S-40-220	36 OF 136	I-894	EB	I-894 IN MEDIAN, WEST OF 68TH ST																			
S-40-222	37 OF 136	I-894	EB/WB	I-894 IN MEDIAN, 1/4 MILE EAST OF 60TH ST																			
S-40-224	38 OF 136	I-43	NB/SB	I-43 NB/SB, 1/2 MILE SOUTH OF LOCUST STREET																			
S-40-226	39 OF 136	I-43	NB	I-43 IN MEDIAN, 1/4 MILE SOUTH OF KEEFE AVE																			
S-40-227	40 OF 136	I-43	NB	I-43 NB, 1/4 MILE SOUTH OF CAPITOL DRIVE																			
S-40-228	41 OF 136	I-43	NB	I-43 SB, 1/4 MILE NORTH OF ATKINSON AVE								1	2										
S-40-229	42 OF 136	I-43	NB	I-43 NB, 1/4 MILE SOUTH OF SILVER SPRING DRIVE																			
S-40-260	43 OF 136	GOOD HOPE	WB	GOOD HOPE RD WB, JUST EAST OF USH-45																			
S-40-272	44 OF 136	USH-45	SB	USH-45 SB ON RAMP FROM STH-175																			
S-40-273	45 OF 136	USH-45	SB	USH-45 SB ON RAMP FROM WATERTOWN PLANK ROAD																			
S-40-275	46 OF 136	STH-100	WB	STH-100 WB, AT 124TH ST																			
S-40-285	47 OF 136	STH-145	WB	STH-145 WB JUST WEST OF 6TH STREET	1																		
S-40-288	48 OF 136	STH-241	NB	STH-241 NB, JUST SOUTH OF STH-100																			
S-40-321	49 OF 136	USH-41	NB	ON THE USH-41 NB OFF RAMP TO CANAL STREET																			
S-40-322	50 OF 136	USH-41	NB	ON THE USH-41 SB ON RAMP JUST SOUTH OF CANAL STREET																			
S-40-326	51 OF 136	STH-175	NB	STH-175 SB (APPLETON AVE) AT USH-41/USH-45 SPLIT																			
S-40-327	52 OF 136	USH-41	NB	USH-41 NB AT THE EXIT TO STH-175/ METRO BOULEVARD																			
S-40-328	53 OF 136	STH-145	NB	STH-145 NB AT THE EXIT TO PARK PLACE																			
S-40-338	54 OF 136	USH-41	NB	USH-41 NB, 1/4 MILE SOUTH OF STATE STREET																			
S-40-339	55 OF 136	USH-41	NB	USH-41 NB AT EXIT TO STATE STREET																			
S-40-340	56 OF 136	USH-41	SB	USH-41 SB, 1/4 MILE NORTH OF WELLS STREET EXIT																			
S-40-348	57 OF 136	I-43	NB	I-43 NB, AT EXIT TO ATKINSON AVE																			
S-40-353	58 OF 136	USH-45	SB	USH-45 SB, 1/2 MILE NORTH OF THE HAMPTON AVE OFF RAMP																			
S-40-354	59 OF 136	USH-45	SB	USH-45 SB AT EXIT TO NORTH AVE EAST																			
S-40-355	60 OF 136	USH-45	SB	USH-45 SB JUST NORTH OF THE NORTH AVE WEST OFF RAMP																			
S-40-388	61 OF 136	I-43/I-94	SB	I-43 SB/I-94 EB JUST NORTH OF 13TH STREET																			
S-40-394	62 OF 136	USH-41	SB	USH-41 SB AT I-94 EB/WB SPLIT			1																
S-40-395	63 OF 136	I-94	EB	I-94 EB JUST WEST OF THE STADIUM INTERCHANGE			4																
S-40-396	64 OF 136	I-94	WB	I-94 WB AT THE EXIT TO MITCHELL BOULEVARD																			
S-40-397	65 OF 136	USH-45	SB	USH-45 SB JUST NORTH OF BLUEMOUND ROAD																			
S-40-400	66 OF 136	USH-45	SB	USH-45 SB, 100 FEET NORTH OF BURLEIGH ST																			
S-40-402	67 OF 136	I-43	SB	I-43 SB, 0.1 MILE NORTH OF LOCUST ST																			
S-40-403	68 OF 136	I-94	NB	I-94 NB, 3/4 MILE NORTH OF HOLT AVE																			
S-40-406	69 OF 136	I-																					

NOTE:  
FOR FURTHER BREAKDOWN OF QUANTITIES  
REFERENCE STRUCTURAL DRAWINGS 1 TO 136

REFER TO SHEET 3.1FOR A CONTINUATION OF SIGN BRIDGES REQUIRING REPAIRS																						
STRUCTURE NUMBER	ELEVATION VIEW SHEET NUMBER	HIGHWAY	DIRECTION OF TRAVEL	LOCATION	CONCRETE SURFACE REPAIR	CONCRETE SIDEWALK 5-INCH	POSTS WOOD 4X6-INCH X 18-FT	SIGNS REFLECTIVE TYPE I	SIGNS REFLECTIVE TYPE II	MOVING SIGNS TYPE II	REMOVING SIGNS TYPE I	SIGNAL MOUNTING HARDWARE S-40-708	SIGNAL MOUNTING HARDWARE S-40-729	SIGNAL MOUNTING HARDWARE S-40-731	SIGNAL MOUNTING HARDWARE S-40-917	PLAQUES SEQUENCE IDENTIFICATION	REPAIR FOUNDATION	FILL EROSION	REMOVE FORMWORK TO GRADE	REPAIR WELD	REMOVE OVERHEAD TYPE II SIGN ASSEMBLY	TENSION POST TO TRUSS CONNECTION BOLT
					509.1500	602.0410	634.0618	637.0101	637.0202 *	638.2102	638.2601	658.5069.01	658.5069.02	658.5069.03	658.5069.04	659.0802	SPV.0025.01	SPV.0035.01	SPV.0060.01	SPV.0060.02	SPV.0060.03	SPV.0060.04
					SF	SF	EACH	SF	SF	EACH	EACH	LS	LS	LS	LS	EACH	CF	CY	EACH	EACH	EACH	EACH
S-40-531	78 OF 136	I-794	EB	I-794 EB AT EXIT TO ST. PAUL AVE/JAMES LOVELL STREET																		
S-40-533	79 OF 136	I-43	SB	I-43 SB, AT EXIT TO PLANKINTON AVE																		
S-40-540	80 OF 136	I-794	WB	I-794 WB AT THE MILWAUKEE RIVER																		
S-40-546	81 OF 136	I-94	EB	I-94 EB RAMP TO I-43 NB LOCATED 50 FT SOUTH OF WISCONSIN																		
S-40-549	82 OF 136	I-94	NB	I-94 NB, 1/2 MILE SOUTH OF NATIONAL AVE																		
S-40-621	83 OF 136	PORT	SB	PORT WASHINGTON RD SB, JUST NORTH OF SILVER SPRING																		
S-40-700	84 OF 136	I-94	WB	I-94 WB, ON RAMP FROM 28TH ST																		
S-40-701	85 OF 136	I-43	NB	I-43 NB, ON RAMP FROM NORTH AVE																		
S-40-708	86 OF 136	I-43	NB	I-43 NB ON THE USH-145 ON RAMP								1										
S-40-710	87 OF 136	I-94	WB	I-94 WB, ON EXIT RAMP TO 25TH ST / CLYBOURN ST																		
S-40-722	88 OF 136	I-94	WB	I-94 WB, ON EXIT RAMP TO PLANKINTON AVE																		
S-40-729	89 OF 136	I-94	WB	TORY HILL RAMP TO I-94 WB									1									
S-40-730	90 OF 136	I-94	SB	WISCONSIN AVE RAMP TO I-94 SB																		
S-40-731	91 OF 136	I-94	WB	CLYBOURN ST ON RAMP TO I-94 WB										1								
S-40-733	92 OF 136	11TH ST	SB	11TH ST SB, 300 FT NORTH OF WISCONSIN AVE																		
S-40-903	93 OF 136	STH-175	NB	APPLETON AVE NB AT ON RAMP TO USH-45 NB																		
S-40-905	94 OF 136	STH-36	NB	STH-36 NB, 400 FT SOUTH OF LAYTON AVE																		
S-40-912	95 OF 136	CTH-BB	WB	CTH-BB (RAWSON AVE) WB JUST EAST OF 27TH STREET		16													1			
S-40-916	96 OF 136	I-43	SB	I-43 SB, ON THE RAMP TO STH-100																		
S-40-917	97 OF 136	USH-45	SB	USH-45 SB, ON RAMP FROM HAMPTON AVE										1								
S-40-921	98 OF 136	STH-100	SB	STH-100 SB JUST NORTH OF USH-18																		
S-45-201	99 OF 136	STH-57	EB	STH-57 (MEQUON ROAD) EB JUST WEST OF I-43																		
S-45-600	100 OF 136	PORT	SB	PORT WASHINGTON RD SB, AT MEQUON RD																		
S-51-10	101 OF 136	STH-38	EB/WB	STH-38 EB JUST EAST OF RAPIDS DRIVE	2																	
S-51-401	102 OF 136	I-94	WB	I-94 WB, 1/8 MILE NORTH OF CTH-G																		
S-64-12	103 OF 136	STH-12	WB	STH-12 WB AT THE EXIT TO CTH-NN																		
S-64-201	104 OF 136	STH-50	EB	STH-50 EB, 1/2 MILE EAST OF I-43																		
S-64-206	105 OF 136	USH-12	SB	USH-12 SB, AT THE INTERSECTION FOR CTH-H															4			
S-66-3	106 OF 136	USH-41	NB	USH-41 NB, AT THE EXIT TO STH-60 EB																		
S-66-4	107 OF 136	USH-41	NB	USH-41 NB, AT THE EXIT TO STH-60 WB																		
S-66-200	108 OF 136	USH-41	NB	USH-41 NB, 1/2 MILE NORTH OF CTH-Q																	4	
S-66-203	109 OF 136	STH-167	WB	STH-167 WB JUST EAST OF USH-41																		
S-66-601	110 OF 136	PARADISE DR	EB	PARADISE DR EB, 0.1 MILE EAST OF USH-45 NB																		
S-66-602	111 OF 136	PARADISE DR	WB	PARADISE DR WB, 0.1 MILE EAST OF USH-45 NB																		
S-67-1	112 OF 136	USH-41	SB	USH-41 SB, JUST NORTH OF THE MAIN STREET EB RAMP																		
S-67-2	113 OF 136	USH-41/45	NB	USH-45 SB, 1/4 MILE NORTH OF MAIN STREET STH-74																		
S-67-15	114 OF 136	MOORLAND RD	NB/SB	MOORLAND RD, 0.1 MILE NORTH OF I-94	1																	
S-67-23	115 OF 136	USH-18	WB	USH-18 WB, AT USH-18 / CTH-JJ GORE																		
S-67-29	116 OF 136	I-94	WB	I-94 WB, 1/4 MILE EAST OF STH-16																		
S-67-31	117 OF 136	I-94	EB	I-94 EB, 1/2 MILE WEST OF CTH-J																		
S-67-33	118 OF 136	STH-16	SB	STH-16 SB, 1/4 MILE NORTH OF CTH-JJ																		
S-67-35	119 OF 136	STH-16	NB	STH-16 NB, 1/2 MILE SOUTH OF CAPITOL DR																		
S-67-36	120 OF 136	STH-16	NB	STH-16 NB, JUST SOUTH OF CAPITOL DR EXIT RAMP																		
S-67-218	121 OF 136	I-94	WB	I-94 WB ON THE OFF RAMP TO USH-83																		
S-67-234	122 OF 136	STH-59	WB	STH-59 (GREENFIELD AVE) WB JUST WEST OF CTH-Y																		
S-67-237	123 OF 136	USH-41/45	SB	USH-41/USH-45 SB ON RAMP FROM PILGRIM ROAD																		
S-67-253	124 OF 136	STH-67	SB	STH-67 SB, JUST NORTH OF CTH-DR																	1	
S-67-257	125 OF 136	STH-190	EB	STH-190 EB, 0.1 MILE WEST OF STH-164																		
S-67-273	126 OF 136	I-43	SB	I-43 SB, EXIT RAMP TO MOORLAND RD																		
S-67-275	127 OF 136	I-43	NB	I-43 NB, ON EXIT RAMP TO MOORLAND RD																		
S-67-281	128 OF 136	I-94	WB	I-94 WB, ON EXIT RAMP TO BARKER RD																		
S-67-288	129 OF 136	USH-18	EB	USH-18 EB, 100' EAST OF THOMAS LANE														1.5				
S-67-300	130 OF 136	USH-41	NB	USH-41 NB, JUST SOUTH OF MAIN ST WB EXIT																	1	
S-67-305	131 OF 136	USH-41	NB	USH-41 NB, 0.2 MILE SOUTH OF MAIN ST														1				
S-67-310	132 OF 136	I-43	SB	I-43 SB, 1/8 MILE SOUTH OF MOORLAND RD														2				
S-67-315	133 OF 136	I-94	WB	I-94 WB, 1/4 MILE EAST OF MOORLAND ROAD																		
S-67-408	134 OF 136	I-43	NB	I-43 NB, 1/8 MILE NORTH OF SUNNYSLOPE ROAD																		
S-67-909	135 OF 136	STH-67	SB	STH-67 SB JUST NORTH OF CTH-B																		
S-67-910	136 OF 136	STH-16	SB	STH-16 SB, 1/4 MILE NORTH OF CTH-Z															1			
UNDISTRIBUTED																						
TOTAL					21.5	16	1	958	14	5	5	1	1	1	1	1	3	5.5	2	4	1	6

REFER TO SHEET 3.5 FOR A CONTINUATION OF REPAIRS FOR THESE SIGN BRIDGES

Pdf.bw\_HS.by level.plt  
CEL TEXTSUB\_SCREENCONTROLBYLEVEL.TBL

NOTE:  
FOR FURTHER BREAKDOWN OF QUANTITIES  
REFERENCE STRUCTURAL DRAWINGS 1 TO 136

REFER TO SHEET 3.2 FOR A CONTINUATION OF SIGN BRIDGES REQUIRING REPAIRS																						
STRUCTURE NUMBER	ELEVATION VIEW SHEET NUMBER	HIGHWAY	DIRECTION OF TRAVEL	LOCATION	TIGHTEN LOOSE U-BOLT	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	REPLACE JUNCTION BOX COVER	TENSION SPLICE BOLT	REALIGN HANDRAIL LOCKING PIN	REPLACE SIGN PANEL CONNECTOR	REPLACE SIGN BRIDGE ID PLAQUE	REPLACE SAFETY CHAIN	REPLACE RAILING HINGE ROD	REPLACE MISSING CONDUIT PLUG	SECURE JUNCTION BOX	SECURE POST CAP	REPLACE LUMINAIRE LENS	SECURE LUMINAIRE COVER	TIGHTEN/REPLACE HANDHOLE COVER BOLT	REATTACH TYPE II SIGN	REPLACE SIGN MOUNT CONNECTION BOLT	REPLACE RODENT SCREEN
					SPV.0060.05	SPV.0060.06	SPV.0060.07	SPV.0060.08	SPV.0060.09	SPV.0060.10	SPV.0060.11	SPV.0060.12	SPV.0060.13	SPV.0060.14	SPV.0060.15	SPV.0060.16	SPV.0060.17	SPV.0060.18	SPV.0060.19	SPV.0060.20	SPV.0060.21	SPV.0060.22
					EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
S-40-531	78 OF 136	I-794	EB	I-794 EB AT EXIT TO ST. PAUL AVE/JAMES LOVELL STREET																		
S-40-533	79 OF 136	I-43	SB	I-43 SB, AT EXIT TO PLANKINTON AVE								1										
S-40-540	80 OF 136	I-794	WB	I-794 WB AT THE MILWAUKEE RIVER													1					
S-40-546	81 OF 136	I-94	EB	I-94 EB RAMP TO I-43 NB LOCATED 50 FT SOUTH OF WISCONSIN						3												
S-40-549	82 OF 136	I-94	NB	I-94 NB, 1/2 MILE SOUTH OF NATIONAL AVE											1							
S-40-621	83 OF 136	PORT	SB	PORT WASHINGTON RD SB, JUST NORTH OF SILVER SPRING		2																
S-40-700	84 OF 136	I-94	WB	I-94 WB, ON RAMP FROM 28TH ST		1																
S-40-701	85 OF 136	I-43	NB	I-43 NB, ON RAMP FROM NORTH AVE		1																
S-40-708	86 OF 136	I-43	NB	I-43 NB ON THE USH-145 ON RAMP																	1	
S-40-710	87 OF 136	I-94	WB	I-94 WB, ON EXIT RAMP TO 25TH ST / CLYBOURN ST															1			
S-40-722	88 OF 136	I-94	WB	I-94 WB, ON EXIT RAMP TO PLANKINTON AVE							1											
S-40-729	89 OF 136	I-94	WB	TORY HILL RAMP TO I-94 WB																		
S-40-730	90 OF 136	I-94	SB	WISCONSIN AVE RAMP TO I-94 SB										2								
S-40-731	91 OF 136	I-94	WB	CLYBOURN ST ON RAMP TO I-94 WB																		
S-40-733	92 OF 136	11TH ST	SB	11TH ST SB, 300 FT NORTH OF WISCONSIN AVE							1											
S-40-903	93 OF 136	STH-175	NB	APPLETON AVE NB AT ON RAMP TO USH-45 NB																	1	
S-40-905	94 OF 136	STH-36	NB	STH-36 NB, 400 FT SOUTH OF LAYTON AVE		2																
S-40-912	95 OF 136	CTH-BB	WB	CTH-BB (RAWSON AVE) WB JUST EAST OF 27TH STREET		2																
S-40-916	96 OF 136	I-43	SB	I-43 SB, ON THE RAMP TO STH-100							1											
S-40-917	97 OF 136	USH-45	SB	USH-45 SB, ON RAMP FROM HAMPTON AVE																		
S-40-921	98 OF 136	STH-100	SB	STH-100 SB JUST NORTH OF USH-18							1											
S-45-201	99 OF 136	STH-57	EB	STH-57 (MEQUON ROAD) EB JUST WEST OF I-43		3					1											
S-45-600	100 OF 136	PORT	SB	PORT WASHINGTON RD SB, AT MEQUON RD							1											
S-51-10	101 OF 136	STH-38	EB/WB	STH-38 EB JUST EAST OF RAPIDS DRIVE																		
S-51-401	102 OF 136	I-94	WB	I-94 WB, 1/8 MILE NORTH OF CTH-G																		
S-64-12	103 OF 136	STH-12	WB	STH-12 WB AT THE EXIT TO CTH-NN						2												
S-64-201	104 OF 136	STH-50	EB	STH-50 EB, 1/2 MILE EAST OF I-43		2																
S-64-206	105 OF 136	USH-12	SB	USH-12 SB, AT THE INTERSECTION FOR CTH-H																		
S-66-3	106 OF 136	USH-41	NB	USH-41 NB, AT THE EXIT TO STH-60 EB						22												
S-66-4	107 OF 136	USH-41	NB	USH-41 NB, AT THE EXIT TO STH-60 WB						18												
S-66-200	108 OF 136	USH-41	NB	USH-41 NB, 1/2 MILE NORTH OF CTH-Q																		
S-66-203	109 OF 136	STH-167	WB	STH-167 WB JUST EAST OF USH-41																1		
S-66-601	110 OF 136	PARADISE DR	EB	PARADISE DR EB, 0.1 MILE EAST OF USH-45 NB		2																
S-66-602	111 OF 136	PARADISE DR	WB	PARADISE DR WB, 0.1 MILE EAST OF USH-45 NB		1																
S-67-1	112 OF 136	USH-41	SB	USH-41 SB, JUST NORTH OF THE MAIN STREET EB RAMP													1					
S-67-2	113 OF 136	USH-41/45	NB	USH-45 SB, 1/4 MILE NORTH OF MAIN STREET STH-74													1				1	
S-67-15	114 OF 136	MOORLAND RD	NB/SB	MOORLAND RD, 0.1 MILE NORTH OF I-94																		
S-67-23	115 OF 136	USH-18	WB	USH-18 WB, AT USH-18 / CTH-JJ GORE						81				1								
S-67-29	116 OF 136	I-94	WB	I-94 WB, 1/4 MILE EAST OF STH-16						64	1											
S-67-31	117 OF 136	I-94	EB	I-94 EB, 1/2 MILE WEST OF CTH-J							1											
S-67-33	118 OF 136	STH-16	SB	STH-16 SB, 1/4 MILE NORTH OF CTH-JJ						39												
S-67-35	119 OF 136	STH-16	NB	STH-16 NB, 1/2 MILE SOUTH OF CAPITOL DR						30												
S-67-36	120 OF 136	STH-16	NB	STH-16 NB, JUST SOUTH OF CAPITOL DR EXIT RAMP						24												
S-67-218	121 OF 136	I-94	WB	I-94 WB ON THE OFF RAMP TO USH-83		2																
S-67-234	122 OF 136	STH-59	WB	STH-59 (GREENFIELD AVE) WB JUST WEST OF CTH-Y																		
S-67-237	123 OF 136	USH-41/45	SB	USH-41/USH-45 SB ON RAMP FROM PILGRIM ROAD																	1	
S-67-253	124 OF 136	STH-67	SB	STH-67 SB, JUST NORTH OF CTH-DR																		
S-67-257	125 OF 136	STH-190	EB	STH-190 EB, 0.1 MILE WEST OF STH-164		1																
S-67-273	126 OF 136	I-43	SB	I-43 SB, EXIT RAMP TO MOORLAND RD															1			
S-67-275	127 OF 136	I-43	NB	I-43 NB, ON EXIT RAMP TO MOORLAND RD						20												
S-67-281	128 OF 136	I-94	WB	I-94 WB, ON EXIT RAMP TO BARKER RD						4												
S-67-288	129 OF 136	USH-18	EB	USH-18 EB, 100' EAST OF THOMAS LANE															1			
S-67-300	130 OF 136	USH-41	NB	USH-41 NB, JUST SOUTH OF MAIN ST WB EXIT																		
S-67-305	131 OF 136	USH-41	NB	USH-41 NB, 0.2 MILE SOUTH OF MAIN ST										1								
S-67-310	132 OF 136	I-43	SB	I-43 SB, 1/8 MILE SOUTH OF MOORLAND RD										1								
S-67-315	133 OF 136	I-94	WB	I-94 WB, 1/4 MILE EAST OF MOORLAND ROAD																		
S-67-408	134 OF 136	I-43	NB	I-43 NB, 1/8 MILE NORTH OF SUNNYSLOPE ROAD																	1	
S-67-909	135 OF 136	STH-67	SB	STH-67 SB JUST NORTH OF CTH-B							1											
S-67-910	136 OF 136	STH-16	SB	STH-16 SB, 1/4 MILE NORTH OF CTH-Z																		
UNDISTRIBUTED																						
TOTAL					1	22	2	1	5	1095	11	3	48	8	2	1	2	13	6	2	1	29

NOTE:  
FOR FURTHER BREAKDOWN OF QUANTITIES  
REFERENCE STRUCTURAL DRAWINGS 1 TO 136

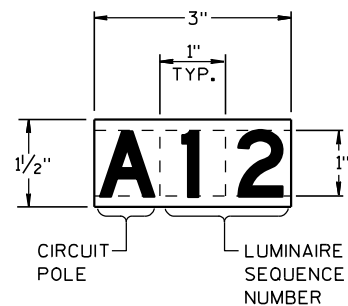
REFER TO SHEET 3.5 FOR A CONTINUATION OF REPAIRS FOR THESE SIGN BRIDGES

REFER TO SHEET 3.3 FOR A CONTINUATION OF SIGN BRIDGES REQUIRING REPAIRS																							
STRUCTURE NUMBER	ELEVATION VIEW SHEET NUMBER	HIGHWAY	DIRECTION OF TRAVEL	LOCATION	TIGHTEN LEVELING NUT	INSTALL U-BOLT	TYPE I SIGN I-BEAM REPLACEMENT	TIGHTEN SIGNAL MOUNT SOCKET CONNECTION	REPLACE DISHED WASHER	TYPE II FOLD UP SIGN HINGES	REPLACE LUMINAIRE SUPPORT CHANNEL BOLT	REPLACE MISSING HANDHOLE COVER	TIGHTEN LIGHT POLE CONNECTION BOLT	REMOVE FILL AND REGRADE	LAMP DISPOSAL HIGH INTENSITY DISCHARGE	STOCKPILING SIGN LIGHTING LUMINAIRES	TENSION ANCHOR ROD	REMOVE GROUT PAD	REMOVING SIGN LIGHTING	INSTALL CATWALK BACK HANDRAIL	REPLACE CATWALK TOEBOARD	REMOVE CATWALK	REMOVING SIGN BRIDGE S-40-422
					SPV.0060.23	SPV.0060.24	SPV.0060.25	SPV.0060.26	SPV.0060.27	SPV.0060.28	SPV.0060.29	SPV.0060.30	SPV.0060.31	SPV.0060.32	SPV.0060.33	SPV.0060.34	SPV.0060.35	SPV.0060.36	SPV.0060.37	SPV. 0090.01	SPV.0090.02	SPV.0105.01	SPV.105.02
					EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	LS	LS
S-40-531	78 OF 136	I-794	EB	I-794 EB AT EXIT TO ST. PAUL AVE/JAMES LOVELL STREET						2													
S-40-533	79 OF 136	I-43	SB	I-43 SB, AT EXIT TO PLANKINTON AVE																			
S-40-540	80 OF 136	I-794	WB	I-794 WB AT THE MILWAUKEE RIVER																16			
S-40-546	81 OF 136	I-94	EB	I-94 EB RAMP TO I-43 NB LOCATED 50 FT SOUTH OF WISCONSIN																			
S-40-549	82 OF 136	I-94	NB	I-94 NB, 1/2 MILE SOUTH OF NATIONAL AVE																5			
S-40-621	83 OF 136	PORT	SB	PORT WASHINGTON RD SB, JUST NORTH OF SILVER SPRING																			
S-40-700	84 OF 136	I-94	WB	I-94 WB, ON RAMP FROM 28TH ST																			
S-40-701	85 OF 136	I-43	NB	I-43 NB, ON RAMP FROM NORTH AVE																			
S-40-708	86 OF 136	I-43	NB	I-43 NB ON THE USH-145 ON RAMP										1									
S-40-710	87 OF 136	I-94	WB	I-94 WB, ON EXIT RAMP TO 25TH ST / CLYBOURN ST																			
S-40-722	88 OF 136	I-94	WB	I-94 WB, ON EXIT RAMP TO PLANKINTON AVE																			
S-40-729	89 OF 136	I-94	WB	TORY HILL RAMP TO I-94 WB																			
S-40-730	90 OF 136	I-94	SB	WISCONSIN AVE RAMP TO I-94 SB																			
S-40-731	91 OF 136	I-94	WB	CLYBOURN ST ON RAMP TO I-94 WB																			
S-40-733	92 OF 136	I1TH ST	SB	I1TH ST SB, 300 FT NORTH OF WISCONSIN AVE																			
S-40-903	93 OF 136	STH-175	NB	APPLETON AVE NB AT ON RAMP TO USH-45 NB				1															
S-40-905	94 OF 136	STH-36	NB	STH-36 NB, 400 FT SOUTH OF LAYTON AVE																			
S-40-912	95 OF 136	CTH-BB	WB	CTH-BB (RAWSON AVE) WB JUST EAST OF 27TH STREET																			
S-40-916	96 OF 136	I-43	SB	I-43 SB, ON THE RAMP TO STH-100																			
S-40-917	97 OF 136	USH-45	SB	USH-45 SB, ON RAMP FROM HAMPTON AVE																			
S-40-921	98 OF 136	STH-100	SB	STH-100 SB JUST NORTH OF USH-18																			
S-45-201	99 OF 136	STH-57	EB	STH-57 (MEQUON ROAD) EB JUST WEST OF I-43					1														
S-45-600	100 OF 136	PORT	SB	PORT WASHINGTON RD SB, AT MEQUON RD																			
S-51-10	101 OF 136	STH-38	EB/WB	STH-38 EB JUST EAST OF RAPIDS DRIVE																			
S-51-401	102 OF 136	I-94	WB	I-94 WB, 1/8 MILE NORTH OF CTH-G										1									
S-64-12	103 OF 136	STH-12	WB	STH-12 WB AT THE EXIT TO CTH-NN																			
S-64-201	104 OF 136	STH-50	EB	STH-50 EB, 1/2 MILE EAST OF I-43																			
S-64-206	105 OF 136	USH-12	SB	USH-12 SB, AT THE INTERSECTION FOR CTH-H																			
S-66-3	106 OF 136	USH-41	NB	USH-41 NB, AT THE EXIT TO STH-60 EB																			
S-66-4	107 OF 136	USH-41	NB	USH-41 NB, AT THE EXIT TO STH-60 WB																			
S-66-200	108 OF 136	USH-41	NB	USH-41 NB, 1/2 MILE NORTH OF CTH-Q																			
S-66-203	109 OF 136	STH-167	WB	STH-167 WB JUST EAST OF USH-41																			
S-66-601	110 OF 136	PARADISE DR	EB	PARADISE DR EB, 0.1 MILE EAST OF USH-45 NB																			
S-66-602	111 OF 136	PARADISE DR	WB	PARADISE DR WB, 0.1 MILE EAST OF USH-45 NB																			
S-67-1	112 OF 136	USH-41	SB	USH-41 SB, JUST NORTH OF THE MAIN STREET EB RAMP																			
S-67-2	113 OF 136	USH-41/45	NB	USH-45 SB, 1/4 MILE NORTH OF MAIN STREET STH-74																			
S-67-15	114 OF 136	MOORLAND RD	NB/SB	MOORLAND RD, 0.1 MILE NORTH OF I-94																			
S-67-23	115 OF 136	USH-18	WB	USH-18 WB, AT USH-18 / CTH-JJ GORE																			
S-67-29	116 OF 136	I-94	WB	I-94 WB, 1/4 MILE EAST OF STH-16																			
S-67-31	117 OF 136	I-94	EB	I-94 EB, 1/2 MILE WEST OF CTH-J																			
S-67-33	118 OF 136	STH-16	SB	STH-16 SB, 1/4 MILE NORTH OF CTH-JJ																			
S-67-35	119 OF 136	STH-16	NB	STH-16 NB, 1/2 MILE SOUTH OF CAPITOL DR																			
S-67-36	120 OF 136	STH-16	NB	STH-16 NB, JUST SOUTH OF CAPITOL DR EXIT RAMP																			
S-67-218	121 OF 136	I-94	WB	I-94 WB ON THE OFF RAMP TO USH-83																			
S-67-234	122 OF 136	STH-59	WB	STH-59 (GREENFIELD AVE) WB JUST WEST OF CTH-Y										1									
S-67-237	123 OF 136	USH-41/45	SB	USH-41/USH-45 SB ON RAMP FROM PILGRIM ROAD																			
S-67-253	124 OF 136	STH-67	SB	STH-67 SB, JUST NORTH OF CTH-DR																			
S-67-257	125 OF 136	STH-190	EB	STH-190 EB, 0.1 MILE WEST OF STH-164																			
S-67-273	126 OF 136	I-43	SB	I-43 SB, EXIT RAMP TO MOORLAND RD																			
S-67-275	127 OF 136	I-43	NB	I-43 NB, ON EXIT RAMP TO MOORLAND RD										1									
S-67-281	128 OF 136	I-94	WB	I-94 WB, ON EXIT RAMP TO BARKER RD																			
S-67-288	129 OF 136	USH-18	EB	USH-18 EB, 100' EAST OF THOMAS LANE																			
S-67-300	130 OF 136	USH-41	NB	USH-41 NB, JUST SOUTH OF MAIN ST WB EXIT																			
S-67-305	131 OF 136	USH-41	NB	USH-41 NB, 0.2 MILE SOUTH OF MAIN ST																			
S-67-310	132 OF 136	I-43	SB	I-43 SB, 1/8 MILE SOUTH OF MOORLAND RD																			
S-67-315	133 OF 136	I-94	WB	I-94 WB, 1/4 MILE EAST OF MOORLAND ROAD											1	1							
S-67-408	134 OF 136	I-43	NB	I-43 NB, 1/8 MILE NORTH OF SUNNYSLOPE ROAD																			
S-67-909	135 OF 136	STH-67	SB	STH-67 SB JUST NORTH OF CTH-B																			
S-67-910	136 OF 136	STH-16	SB	STH-16 SB, 1/4 MILE NORTH OF CTH-Z																			
UNDISTRIBUTED																							
TOTAL					1	1	5	1	1	2	1	1	2	5	6	1	1	4	1	16	5	1	1

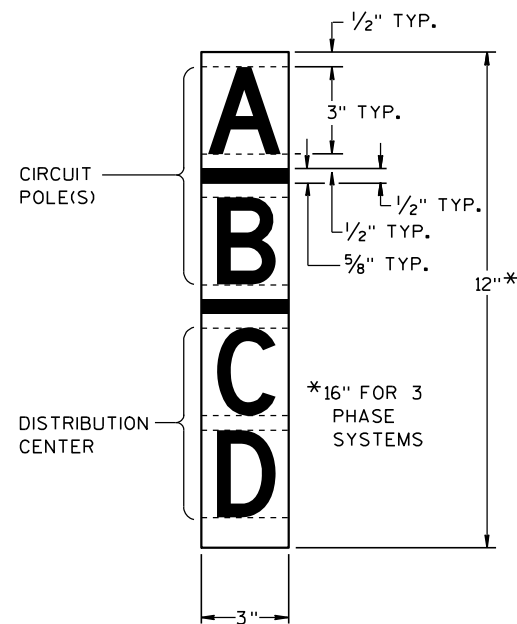
NOTE:  
FOR FURTHER BREAKDOWN OF QUANTITIES  
REFERENCE STRUCTURAL DRAWINGS 1 TO 136

Standard Detail Drawing List

10A03-03	CIRCUIT IDENTIFICATION PLAQUES SIGN BRIDGES
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
15D14-01	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY, SHORT-TERM (LESS THAN 24 HOURS)
15D16-01	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D20-01	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-01	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-01	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D28-01	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

**SEQUENCE DECAL**

(MOUNT ON LUMINAIRE)

**SIGN BRIDGE CIRCUIT PLAQUE****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.

WHERE SHOWN IN THE PLANS, REPLACEMENT PLAQUES WILL BE MEASURED AND PAID SEPARATELY.

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

WITH THE APPROVAL OF THE ENGINEER, THE BASE MATERIAL MAY BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE SURFACE, IN CASES SUCH AS SMOOTH, CLEAN ALUMINUM STRUCTURES.

ALTERNATIVE COMPUTER-GENERATED SIGN LETTERING MAY BE ACCEPTED IF THE ENGINEER FINDS IT TO BE EQUIVALENT.

ALL SIGN BRIDGE STRUCTURES MUST ALSO HAVE STRUCTURE ID PLAQUES AS SHOWN IN THE STRUCTURE DETAILS.

CIRCUIT PLAQUES SHALL BE MOUNTED IN THE STEM WHICH HAS THE ELECTRICAL CIRCUIT, FACING TRAFFIC.

**CIRCUIT IDENTIFICATION PLAQUES  
SIGN BRIDGES**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED

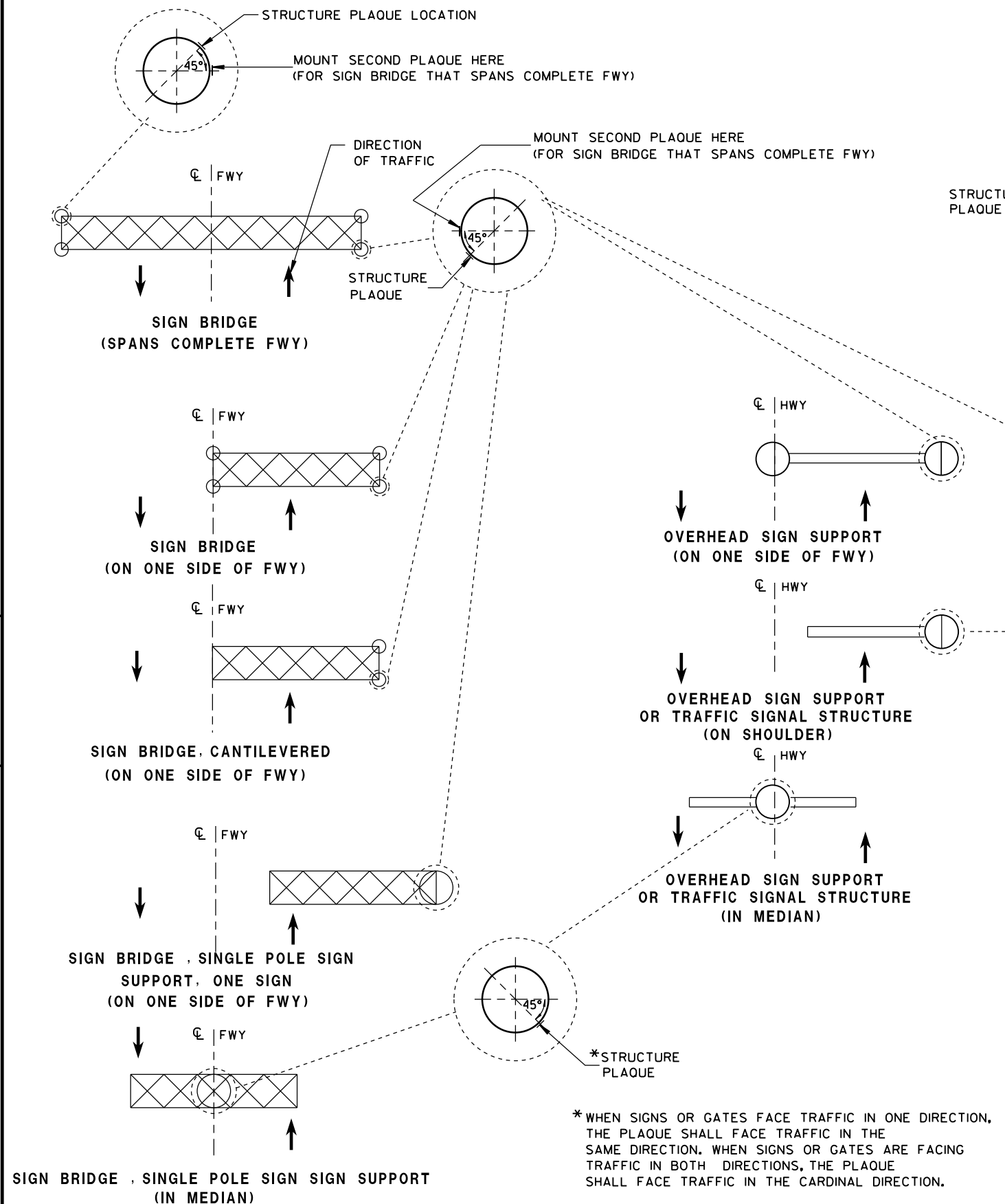
10/25/2010

DATE

FHWA

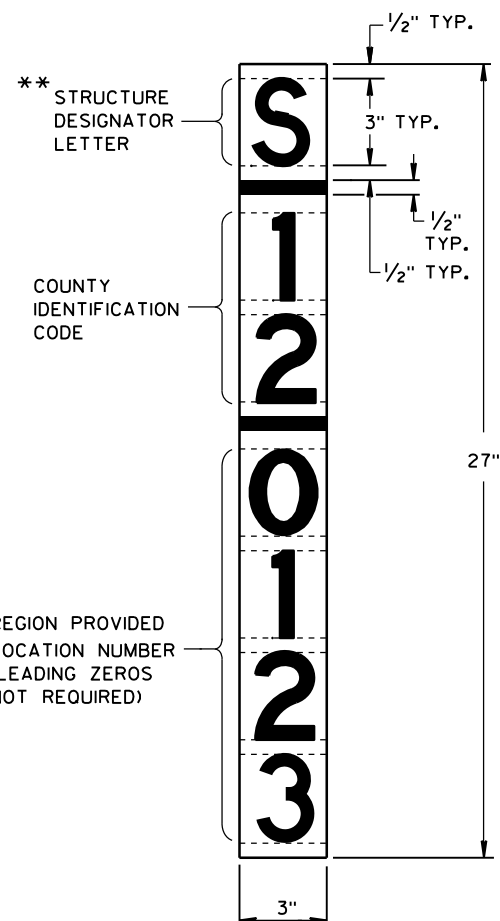
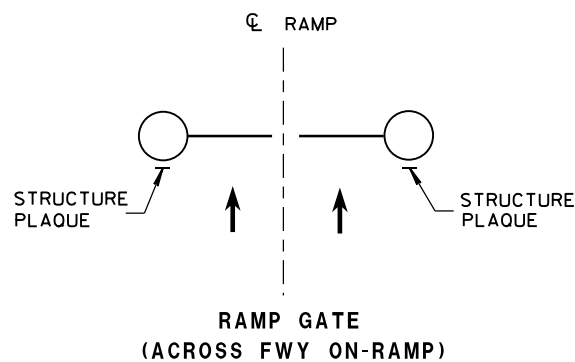
/S/ John Corbin

STATE ELECTRICAL ENGINEER FOR HWYS



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.

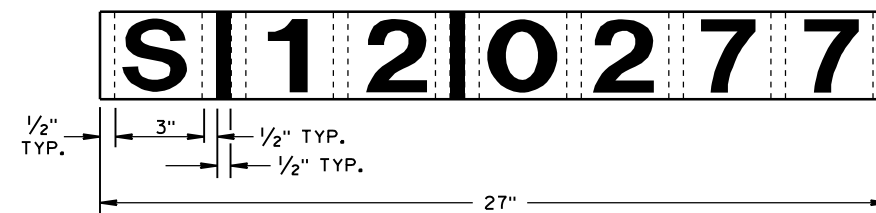
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

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

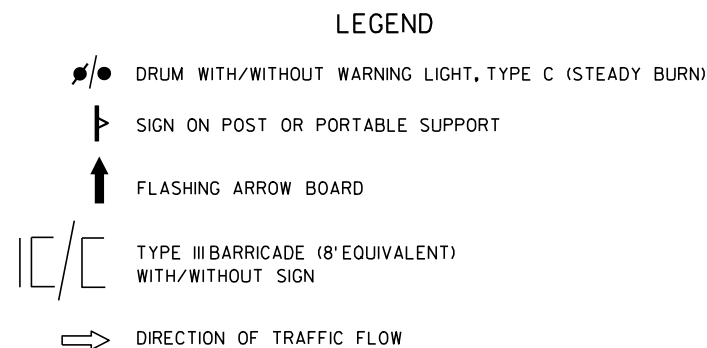
APPROVED

12/4/2012

DATE

FHWA

/S/ Travis Feltes  
STATE TRAFFIC ENGINEER OF DESIGN



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

END  
ROAD WORK

G20-2A  
48" X 24"

APPROVED  
5/23/2000  
DATE  
FHWAA

/S/ Chester J. Spang  
CHIEF SIGNS AND MARKING ENGINEER



## SYMBOLS

- IC/C TYPE III BARRICADE (8' EQUIVALENT)  
WITH/WITHOUT SIGN
- DRUM
- ┐ POST MOUNTED SIGN
- Ⓐ WARNING LIGHT, TYPE A (FLASHING)
- ➔ DIRECTION OF TRAFFIC

## GENERAL NOTES

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

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

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

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

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

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

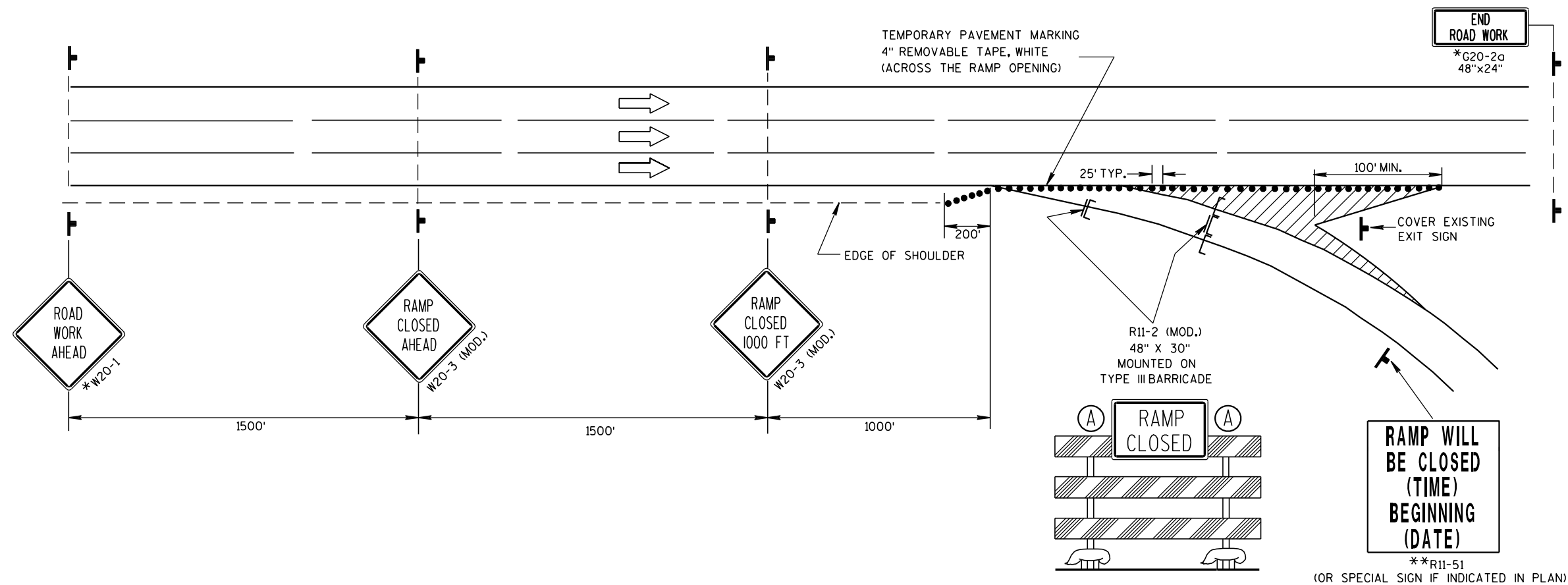
PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

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.

\*\*USE THE "RAMP WILL BE CLOSED" SIGN IF INDICATED IN MISCELLANEOUS QUANTITIES. PLACE 10 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



TRAFFIC CONTROL,  
EXIT RAMP CLOSURE

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED

5/23/2000

DATE

FHWA

/S/ Chester J. Spang  
CHIEF SIGNS AND MARKING ENGINEER

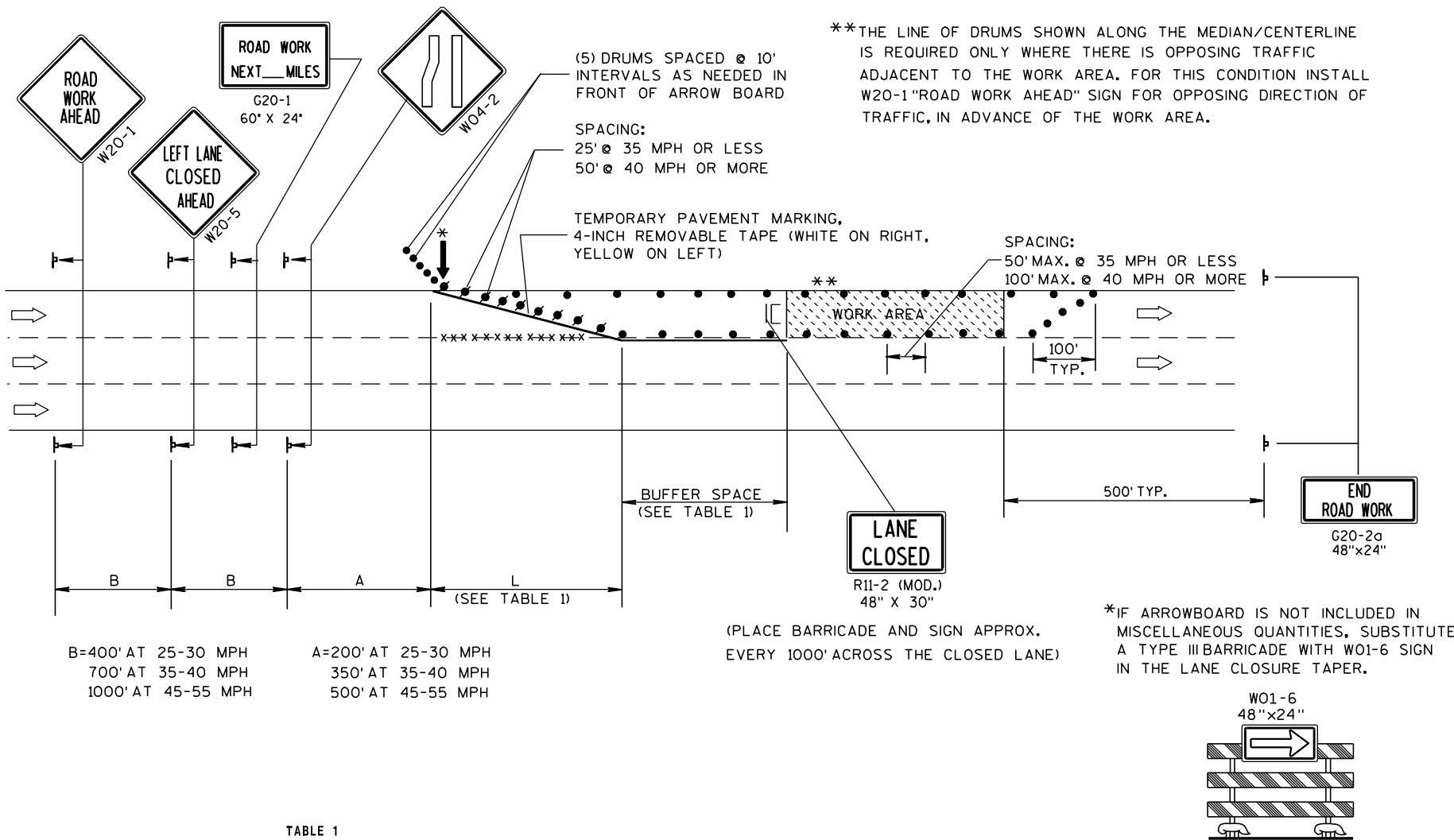


TABLE 1  
TAPER AND BUFFER SPACE  
FOR 12' LANE WIDTH

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

FOR LANE WIDTH OTHER THAN 12':  
L = WS AT 45 MPH OR GREATER  
 $L = \frac{WS^2}{60}$  AT 40 MPH OR LESS  
L = TAPER LENGTH IN FEET  
S = NON-CONSTRUCTION SPEED LIMIT (MPH)  
W = WIDTH OF LANE CLOSURE

LEGEND

- /● DRUM WITH/WITHOUT WARNING LIGHT, TYPE C (STEADY-BURN)
- ⌋ POST MOUNTED SIGN
- ↑ ARROW BOARD
- IC/C TYPE III BARRICADE (8' EQUIVALENT) AND WARNING LIGHTS, TYPE A (FLASHING) WITH/WITHOUT SIGN
- DIRECTION OF TRAFFIC FLOW
- xxxx REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

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 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

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

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

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

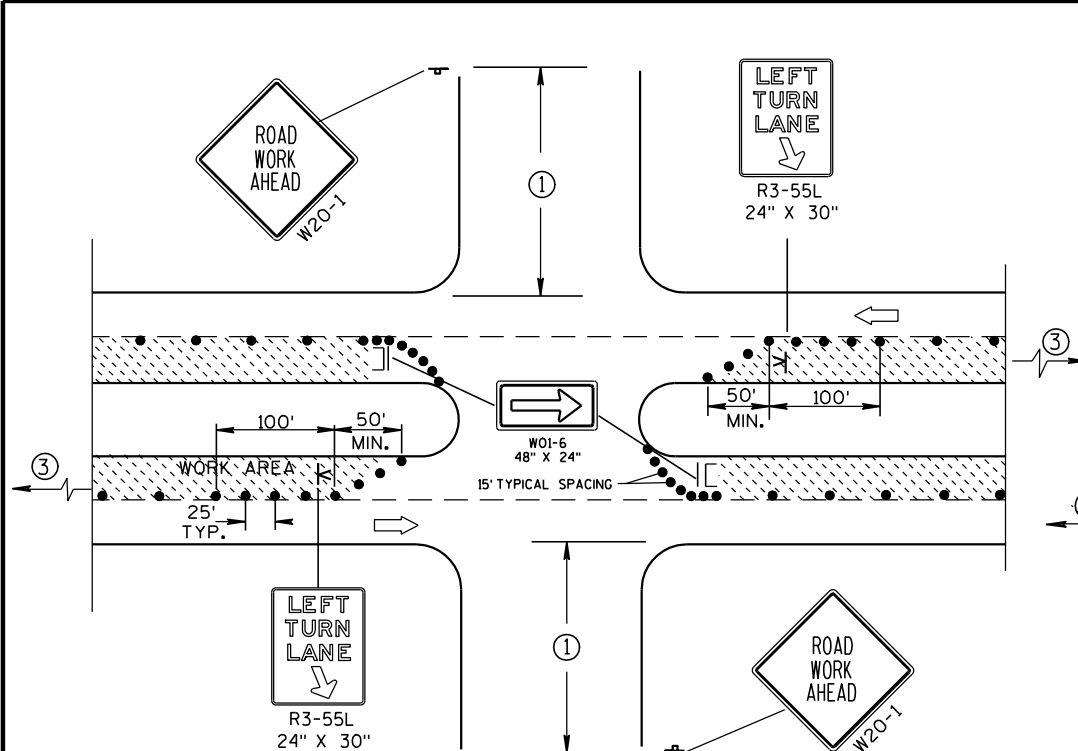
PLACE THE ARROWBOARD AS CLOSE AS POSSIBLE TO THE BEGINNING OF THE LANE CLOSURE TAPER, PREFERABLY ON THE SHOULDER OR TERRACE.

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

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

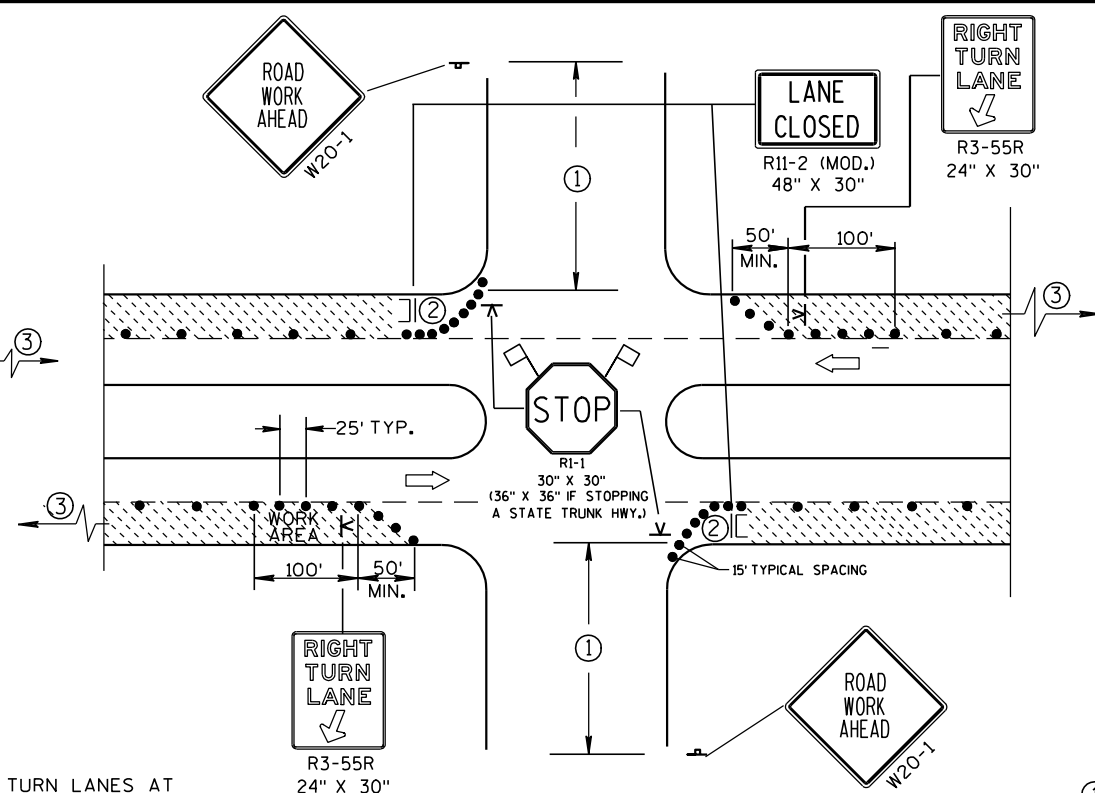
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 5/23/00 DATE	/S/ Chester J. Spang CHIEF SIGNS AND MARKING ENGINEER
FHWA	

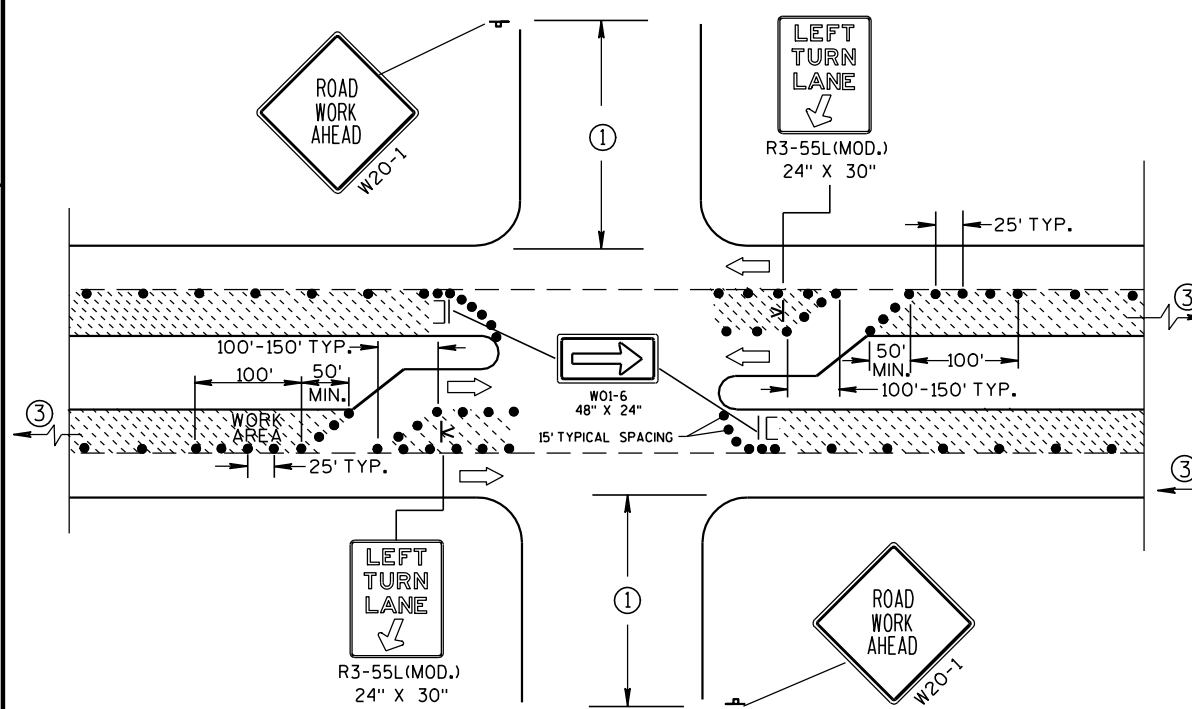


DETAIL A  
FOR LEFT LANE CLOSURE AT  
INTERSECTION OR MEDIAN OPENING

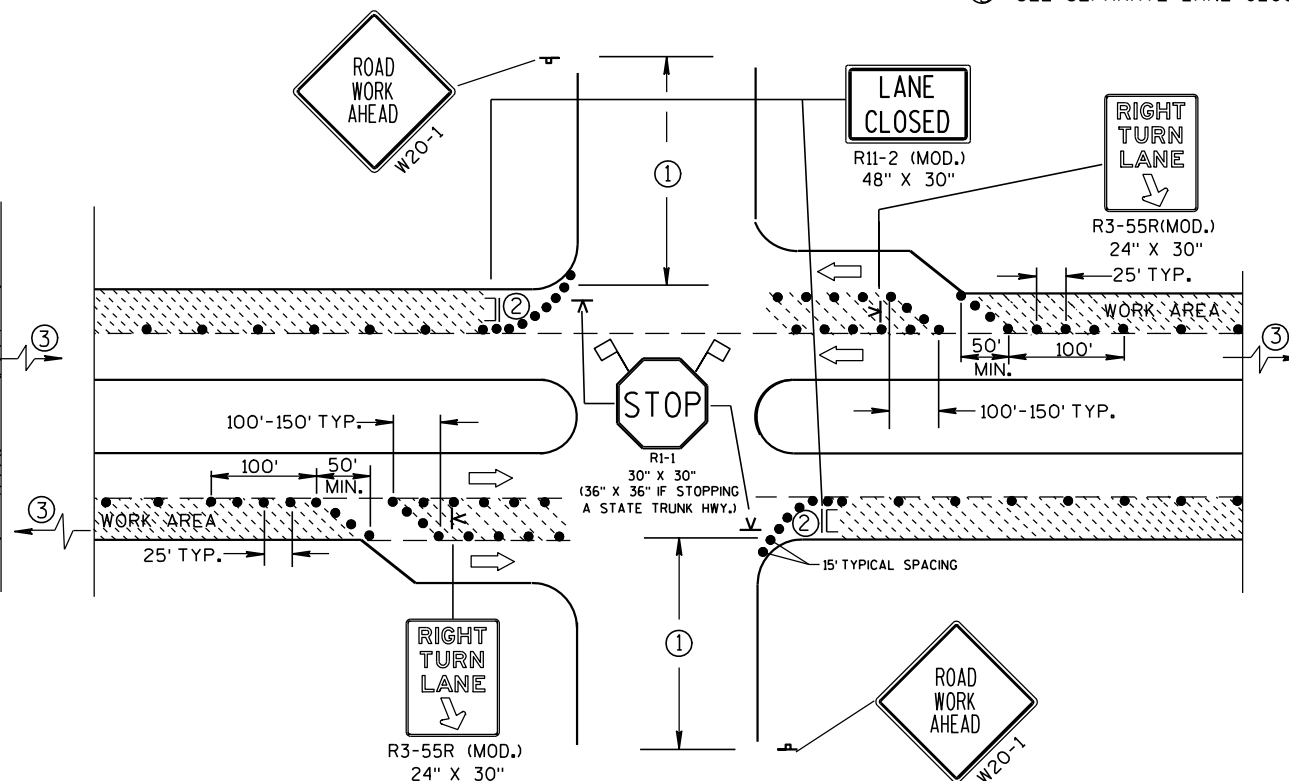
PROVIDE TURN LANES AT  
INTERSECTIONS WHENEVER  
STAGING OF WORK ALLOWS.  
TAPER AND TURN LANE  
LENGTHS BASED ON FIELD  
CONDITIONS AS APPROVED  
BY THE ENGINEER.



DETAIL B  
FOR RIGHT LANE CLOSURE  
AT INTERSECTION



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)

### 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' TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.
- ③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

### LEGEND

- DRUM
- ⌈ POST MOUNTED SIGN
- K SIGN ON PORTABLE SUPPORT (5' MIN. MOUNTING HEIGHT)
- II TYPE III BARRICADE (8' EQUIVALENT) AND WARNING LIGHT, TYPE A (FLASHING) WITH SIGN
- ➡ DIRECTION OF TRAFFIC FLOW
- 🚩 FLAGS, 16" X 16" MIN., ORANGE

### TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
5/23/00 /S/ Chester J. Spang  
DATE CHIEF SIGNS AND MARKING ENGINEER  
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

- DRUM WITH/WITHOUT WARNING LIGHT, TYPE C (STEADY-BURN)
- POST MOUNTED SIGN
- SIGN ON PORTABLE SUPPORT
- ARROW BOARD
- TYPE III BARRICADE (8' EQUIVALENT) AND WARNING LIGHTS, TYPE A (FLASHING) WITH/WITHOUT SIGN
- DIRECTION OF TRAFFIC FLOW
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

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 7 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.

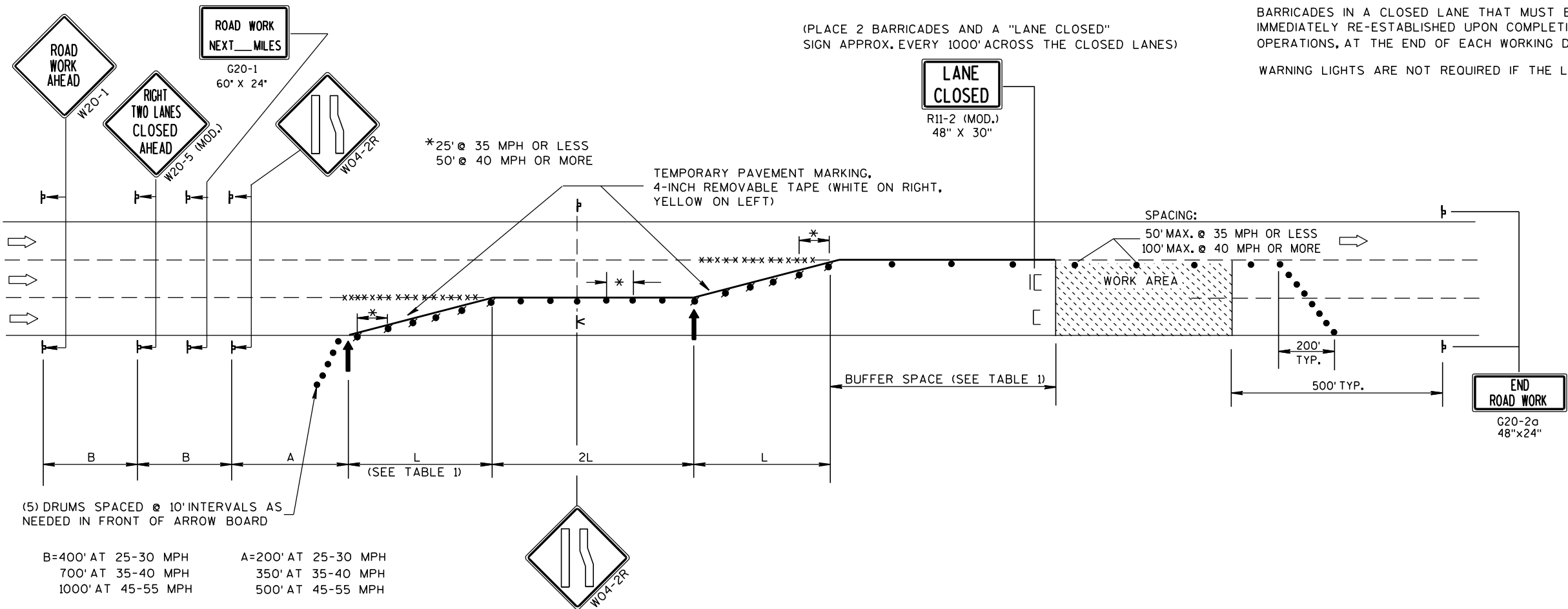
CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROWBOARDS AND LANE CLOSURE DRUMS.

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 CPNTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 5/23/00 DATE	/S/ Cester J. Spang CHIEF SIGNS AND MARKING ENGINEER
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.

W20-1 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.

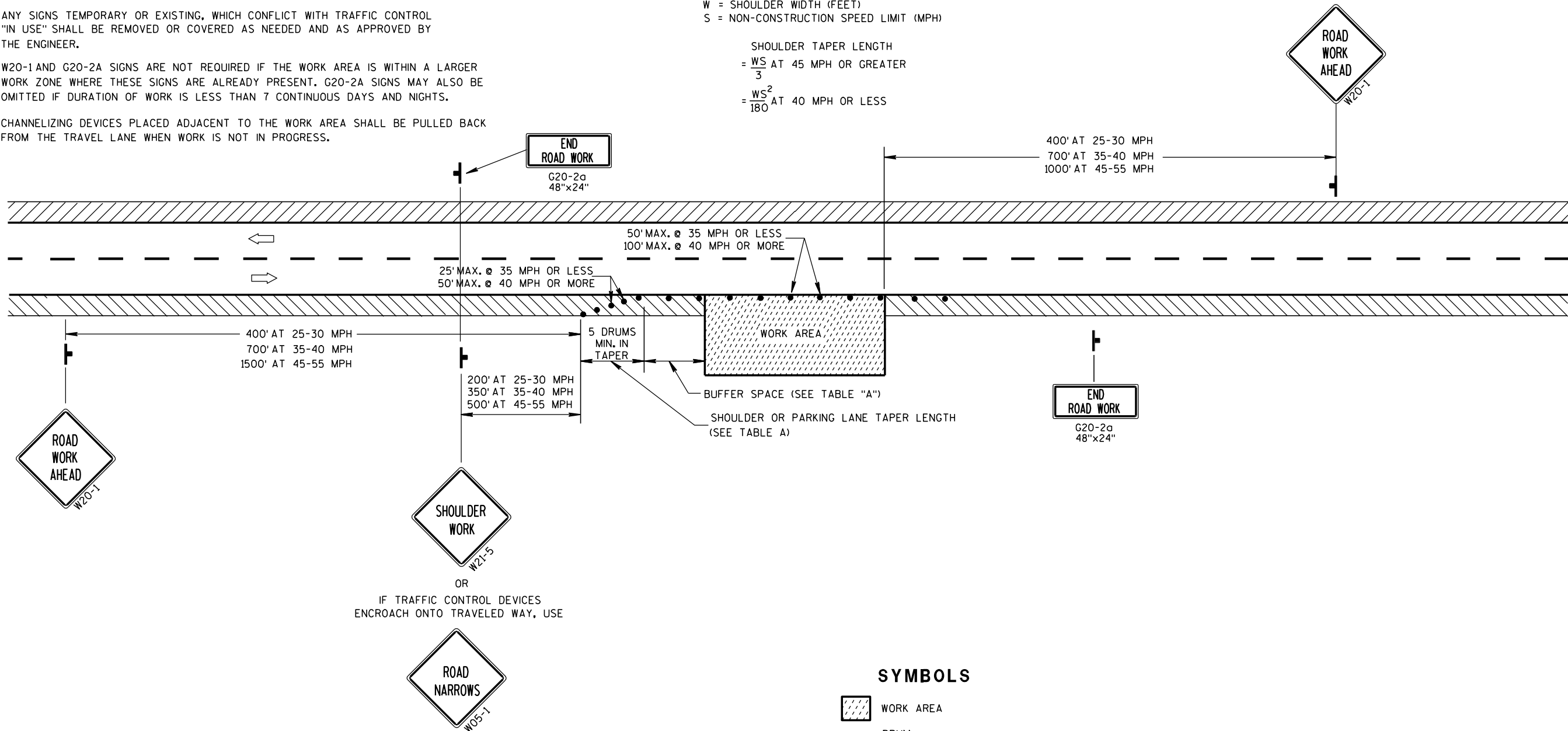
CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S	W	4	6	8	
30	20	30	40	50	85
35	30	45	55	70	120
40	40	55	75	90	170
45	60	90	120	150	220
50	70	100	135	170	280
55	75	110	150	185	335

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

SHOULDER TAPER LENGTH  
=  $\frac{WS}{3}$  AT 45 MPH OR GREATER  
=  $\frac{WS^2}{180}$  AT 40 MPH OR LESS



SYMBOLS

- WORK AREA
- DRUM
- POST MOUNTED SIGN
- DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL,  
WORK ON SHOULDER OR  
PARKING LANE,  
UNDIVIDED ROADWAY

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

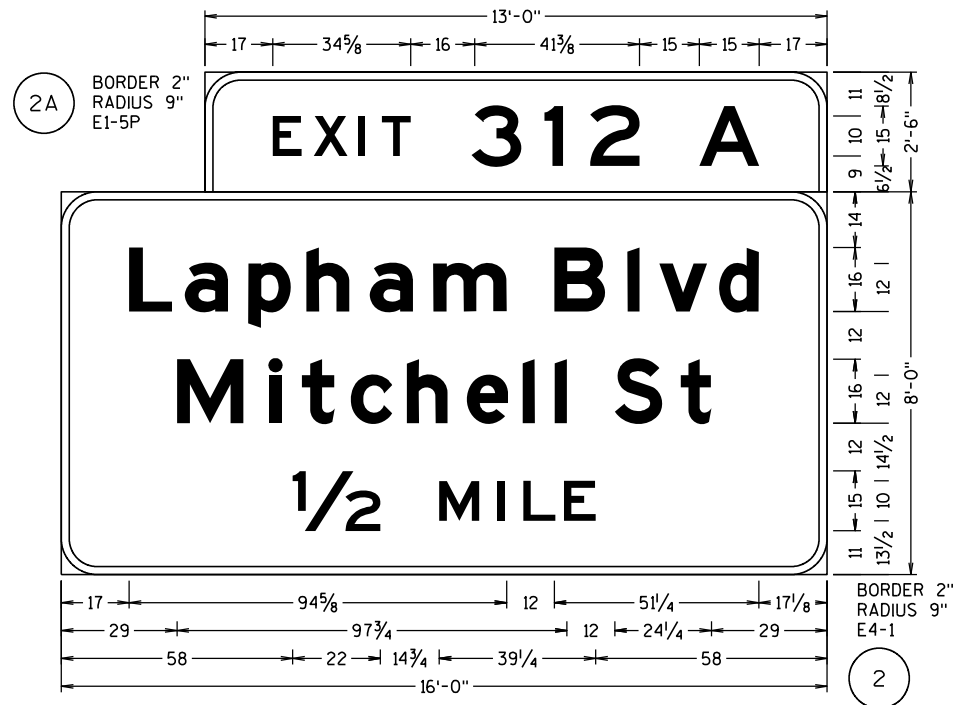
APPROVED  
5/23/00 /S/ Chester J. Spang  
DATE CHIEF SIGNS AND MARKING ENGINEER  
FHWA

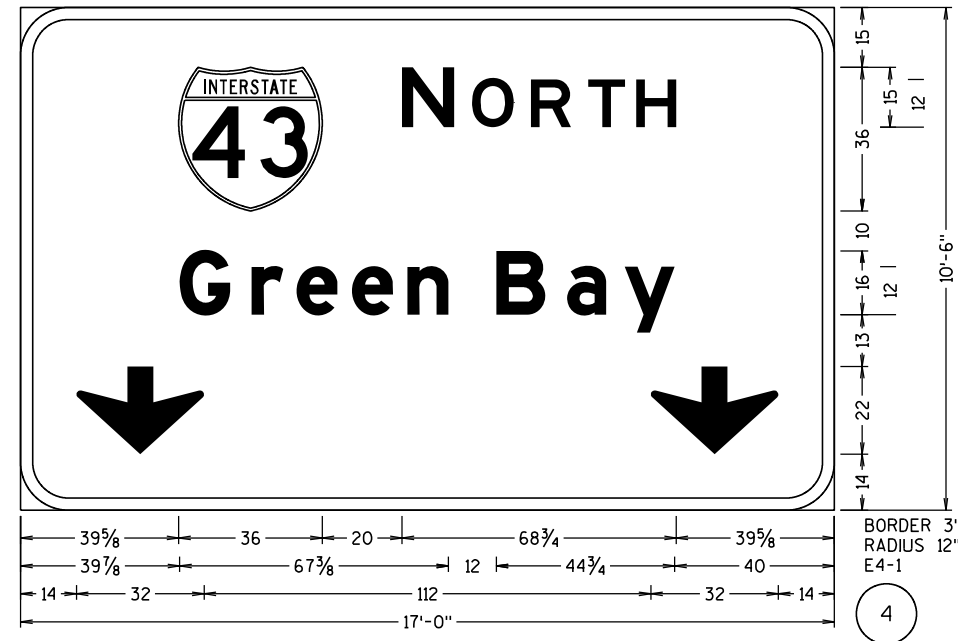
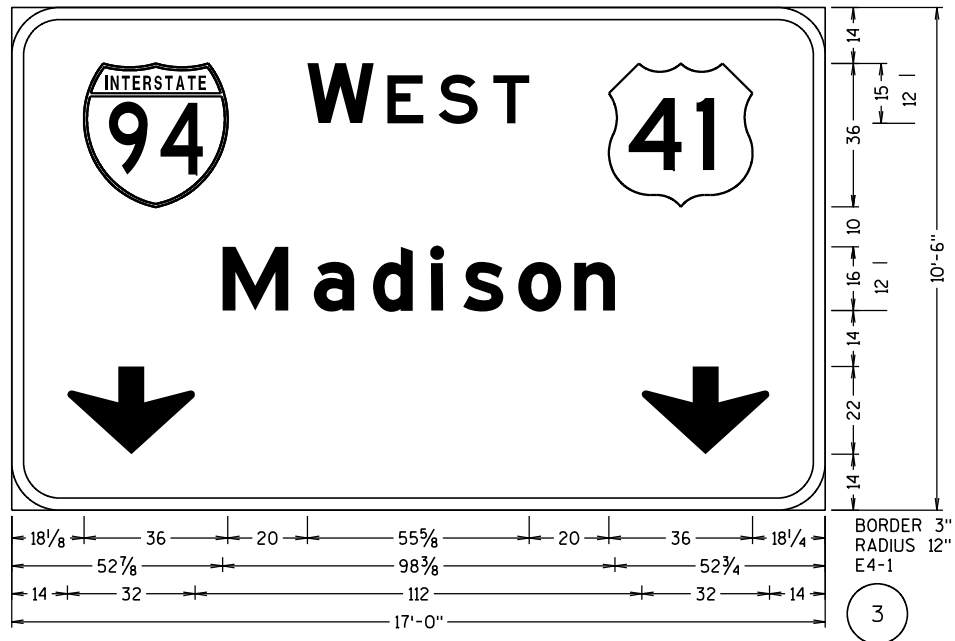
## GENERAL NOTES:

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



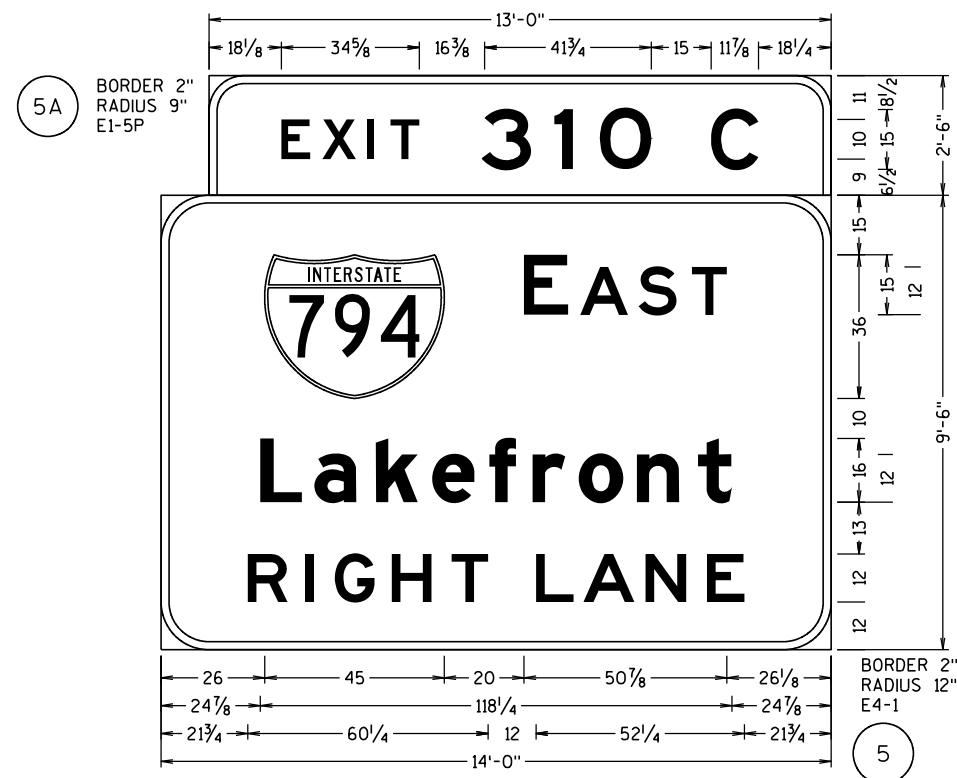
EXIT PANEL E11-1A  
COLORS:  
BACKGROUND - YELLOW  
MESSAGE - BLACK, NON-REFLECTIVE





#### GENERAL NOTES:

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



SHEET 2 OF 2

PROJECT NO: 1000-19-79

HWY: IH 43/94/794

COUNTY: MILWAUKEE

SIGNING DETAIL - TYPE I SIGNS

SCALE: 0 1/2" 1"

SHEET

E

FILE NAME : j:\projects\2-10001979\Sign\070101.ms.dgn

PLOT DATE : 28-SEP-2012 08:37

PLOT BY : MSCCV

PLOT NAME :

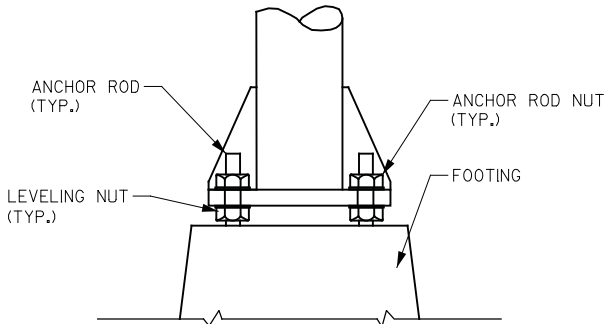
PLOT SCALE : 48.125:1

WISDOT/CADDs SHEET 47

TABLE OF ESTIMATED QUANTITES FOR FOUNDATIONS\*

STRUCTURE NUMBER	CONCRETE SURFACE REPAIR	CONCRETE SIDEWALK 5-INCH	REPAIR FOUNDATION	FILL EROSION	REMOVE FORMWORK TO GRADE	REPLACE RODENT SCREEN	TIGHTEN LEVELING NUT	REMOVE FILL AND REGRADE	TENSION ANCHOR ROD	REMOVE GROUT PAD
	509.1500	602.0410	SPV.0025.01	SPV.0035.01	SPV.0060.01	SPV.0060.22	SPV.0060.23	SPV.0060.32	SPV.0060.35	SPV.0060.36
	SF	SF	CF	CY	EACH	EACH	EACH	EACH	EACH	EACH
S-40-1			3						1	4
S-40-9						1				
S-40-21				0.5						
S-40-64						1				
S-40-126						1				
S-40-217	3									
S-40-220	3									
S-40-227	3									
S-40-228	4.5									
S-40-272						1				
S-40-273						1				
S-40-285							1			
S-40-321						2				
S-40-322						2				
S-40-326						2				
S-40-327						1				
S-40-328						1				
S-40-338						1				
S-40-339						1				
S-40-340						1				
S-40-354						1				
S-40-388						2				
S-40-397						4				
S-40-402	5									
S-40-406				0.5						
S-40-423						1				
S-40-426								1		
S-40-708						1		1		
S-40-903						1				
S-40-912		16			1					
S-51-10	2									
S-51-401								1		
S-67-2						1				
S-67-15	1									
S-67-234								1		
S-67-237						1				
S-67-275								1		
S-67-288				1.5						
S-67-305				1						
S-67-310				2						
S-67-408						1				
S-67-910					1					
UNDISTRIBUTED										
TOTAL	21.5	16	3	5.5	2	29	1	5	1	4

\* THE INFORMATION PROVIDED IN THIS TABLE IS FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE COUNTED AS ADDITIONAL QUANTITIES



TYPICAL TENSION  
ANCHOR ROD

FOUNDATION NOTES:

1. CONCRETE -  $f_c' = 3,500$  P.S.I.
2. BAR STEEL REINF. - GRADE 60  
 $f_y = 60,000$  P.S.I.
3. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL REPAIRS.
4. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE OF THE ITEM REQUIRED.
5. THE ANCHOR RODS, LEVELING NUTS AND WASHERS SHALL BE CLEANED AND GALVANIZED IN ACCORDANCE WITH SECTION 641 OF THE WISDOT STANDARD SPECIFICATIONS, AFTER REMOVING THE GROUT PAD. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE REMOVE GROUT PAD BID ITEM.
6. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FILL EROSION SPECIAL PROVISION.
7. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REPAIR FOUNDATION SPECIAL PROVISION.
8. STEEL ANCHOR ROD NUTS AND WASHERS SHALL BE ASTM A-576.
9. THE ANCHOR ROD NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE A.A.S.H.T.O. SPECIFICATION AS STATED IN SECTION 641 OF THE WISDOT STANDARD SPECIFICATIONS.
10. THE TOP OF THE FOOTING SURFACE SHALL BE SMOOTHED AND SLOPED TO DRAIN.
11. REFER TO THE RESPECTIVE PLAN AND ELEVATION SHEET FOR TOP OF FOOTING ELEVATIONS. BOTTOM OF FOOTING TO BE EMBEDDED 1'-0" BELOW GRADE.

STATE PROJECT NUMBER

1000-19-79

LIST OF DRAWINGS

1. FOUNDATION DETAILS (1 OF 2)	CONT.	CONT.
2. FOUNDATION DETAILS (2 OF 2)	51. S-40-326	101. S-51-10
3. TRUSS DETAILS (1 OF 2)	52. S-40-327	102. S-51-401
4. TRUSS DETAILS (2 OF 2)	53. S-40-328	103. S-64-12
5. SIGN PANEL DETAILS	54. S-40-338	104. S-64-201
6. CATWALK DETAILS	55. S-40-339	105. S-64-206
7. ELECTRICAL DETAILS	56. S-40-340	106. S-66-3
8. S-30-6	57. S-40-348	107. S-66-4
9. S-30-7	58. S-40-353	108. S-66-200
10. S-30-9	59. S-40-354	109. S-66-203
11. S-30-12	60. S-40-355	110. S-66-601
12. S-30-211	61. S-40-388	111. S-66-602
13. S-40-1	62. S-40-394	112. S-67-1
14. S-40-7	63. S-40-395	113. S-67-2
15. S-40-9	64. S-40-396	114. S-67-15
16. S-40-21	65. S-40-397	115. S-67-23
17. S-40-36	66. S-40-400	116. S-67-29
18. S-40-37	67. S-40-402	117. S-67-31
19. S-40-38	68. S-40-403	118. S-67-33
20. S-40-64	69. S-40-406	119. S-67-35
21. S-40-120	70. S-40-407	120. S-67-36
22. S-40-126	71. S-40-422	121. S-67-218
23. S-40-154	72. S-40-423	122. S-67-234
24. S-40-190	73. S-40-425	123. S-67-237
25. S-40-197	74. S-40-426	124. S-67-253
26. S-40-203	75. S-40-520	125. S-67-257
27. S-40-204	76. S-40-522	126. S-67-273
28. S-40-206	77. S-40-523	127. S-67-275
29. S-40-207	78. S-40-531	128. S-67-281
30. S-40-213	79. S-40-533	129. S-67-288
31. S-40-214	80. S-40-540	130. S-67-300
32. S-40-216	81. S-40-546	131. S-67-305
33. S-40-217	82. S-40-549	132. S-67-310
34. S-40-218	83. S-40-621	133. S-67-315
35. S-40-219	84. S-40-700	134. S-67-408
36. S-40-220	85. S-40-701	135. S-67-909
37. S-40-222	86. S-40-708	136. S-67-910
38. S-40-224	87. S-40-710	
39. S-40-226	88. S-40-722	
40. S-40-227	89. S-40-729	
41. S-40-228	90. S-40-730	
42. S-40-229	91. S-40-731	
43. S-40-260	92. S-40-733	
44. S-40-272	93. S-40-903	
45. S-40-273	94. S-40-905	
46. S-40-275	95. S-40-912	
47. S-40-285	96. S-40-916	
48. S-40-288	97. S-40-917	
49. S-40-321	98. S-40-921	
50. S-40-322	99. S-45-201	
	100. S-45-600	



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

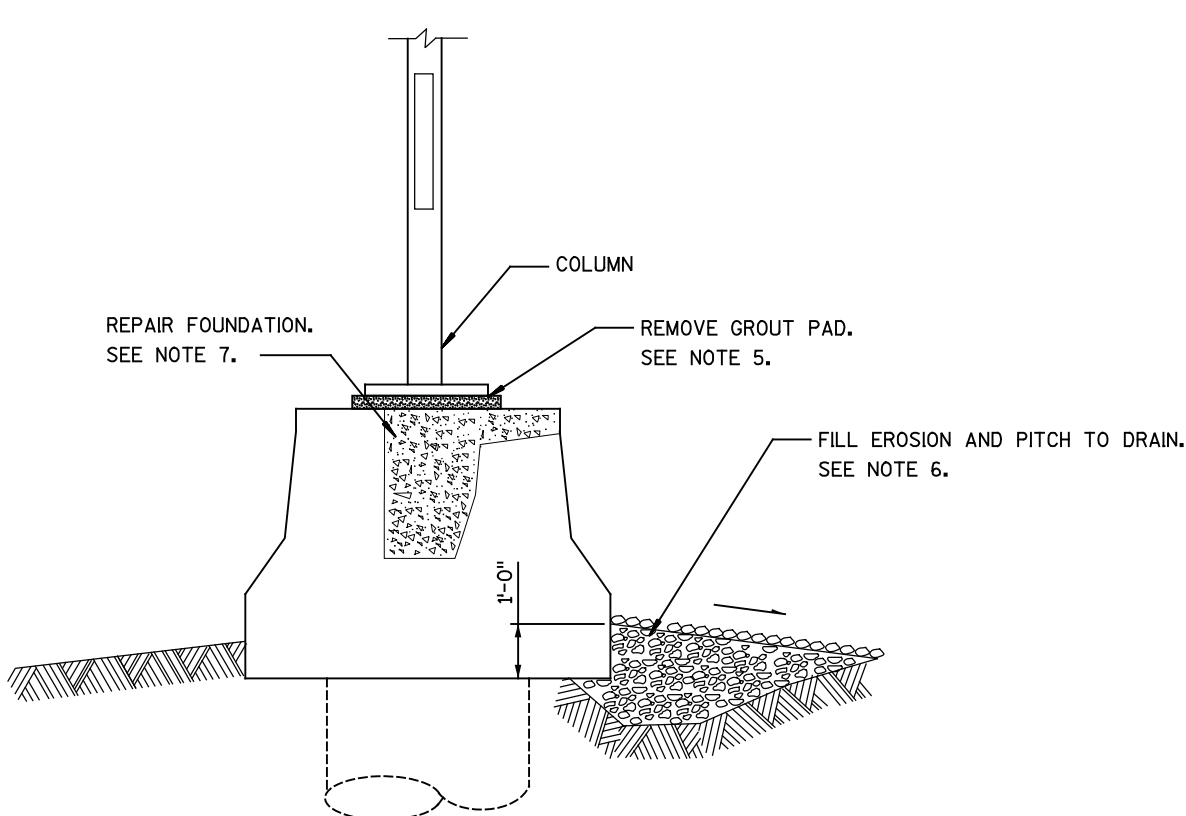
CONSULTANT CONTACT:  
VERONICA CHAVEZ DE FERNANDEZ (414) 282-6905

NO.	DATE	REVISION	BY
<b>COLLINS ENGINEERS</b>			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED	<i>William C. Dreher</i>	KAR	02/27/13
CHIEF STRUCTURES DESIGN ENGINEER DATE			
SIGN BRIDGE REPAIRS 2013			
SOUTHEAST REGION WIDE			
COUNTY SOUTHEAST REGION WIDE	TOWN/CITY/VILLAGE VARIOUS		
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	DESIGN CK'D.	DRAWN BY	DW PLANS CK'D. DRG
FOUNDATION DETAILS (1 OF 2)			SHEET 1 OF 136

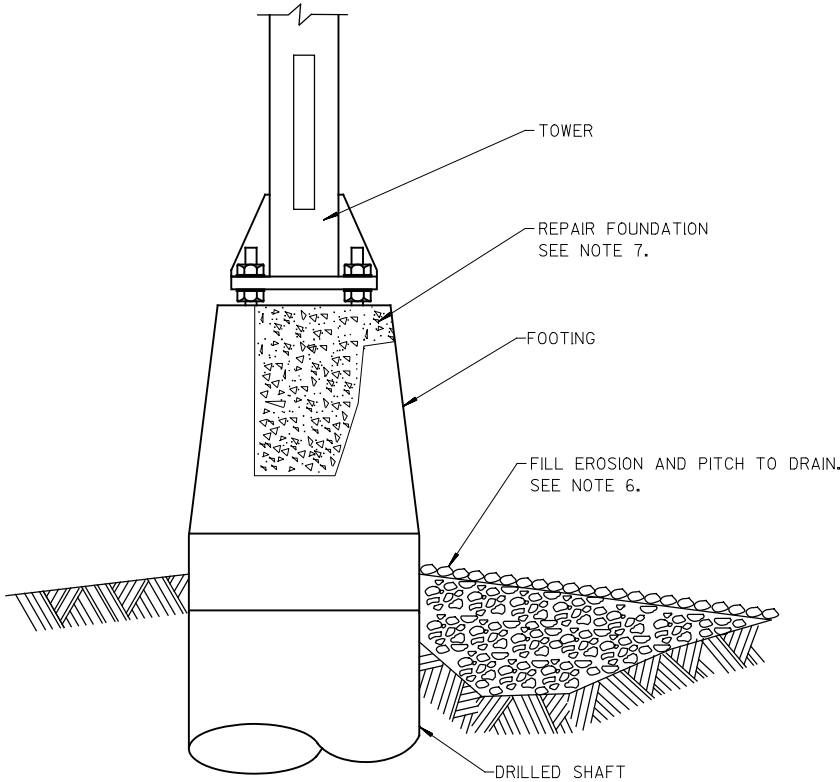


FOUNDATION NOTES:

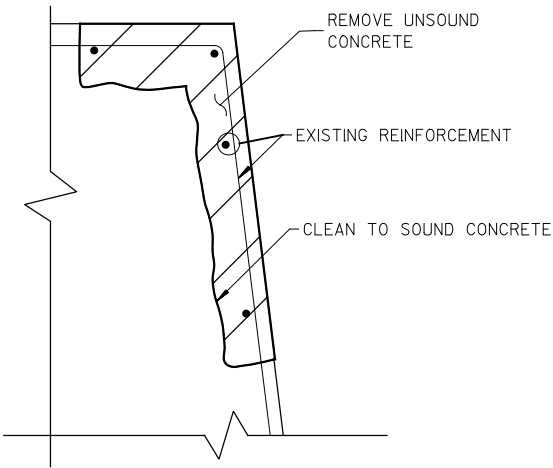
1. CONCRETE -  $f_c' = 3,500$  P.S.I.
2. BAR STEEL REINF. - GRADE 60  
 $f_y = 60,000$  P.S.I.
3. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL REPAIRS.
4. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE OF THE ITEM REQUIRED.
5. THE ANCHOR RODS, LEVELING NUTS AND WASHERS SHALL BE CLEANED AND GALVANIZED IN ACCORDANCE WITH SECTION 641 OF THE WISDOT STANDARD SPECIFICATIONS, AFTER REMOVING THE GROUT PAD. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE REMOVE GROUT PAD BID ITEM.
6. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FILL EROSION SPECIAL PROVISION.
7. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REPAIR FOUNDATION SPECIAL PROVISION.
8. STEEL ANCHOR ROD NUTS AND WASHERS SHALL BE ASTM A-576.
9. THE ANCHOR ROD NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE A.A.S.H.T.O. SPECIFICATION AS STATED IN SECTION 641 OF THE WISDOT STANDARD SPECIFICATIONS.
10. THE TOP OF THE FOOTING SURFACE SHALL BE SMOOTHED AND SLOPED TO DRAIN.
11. REFER TO THE RESPECTIVE PLAN AND ELEVATION SHEET FOR TOP OF FOOTING ELEVATIONS. BOTTOM OF FOOTING TO BE EMBEDDED 1'-0" BELOW GRADE.



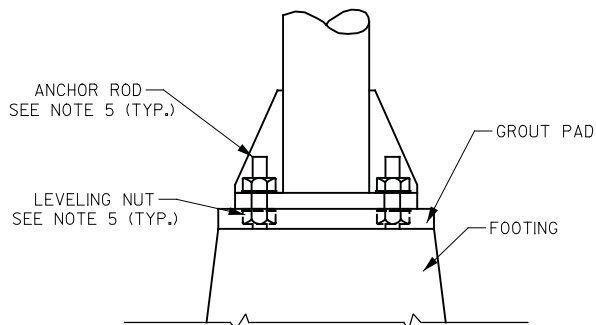
TYPICAL FOUNDATION &  
GROUT REPAIRS



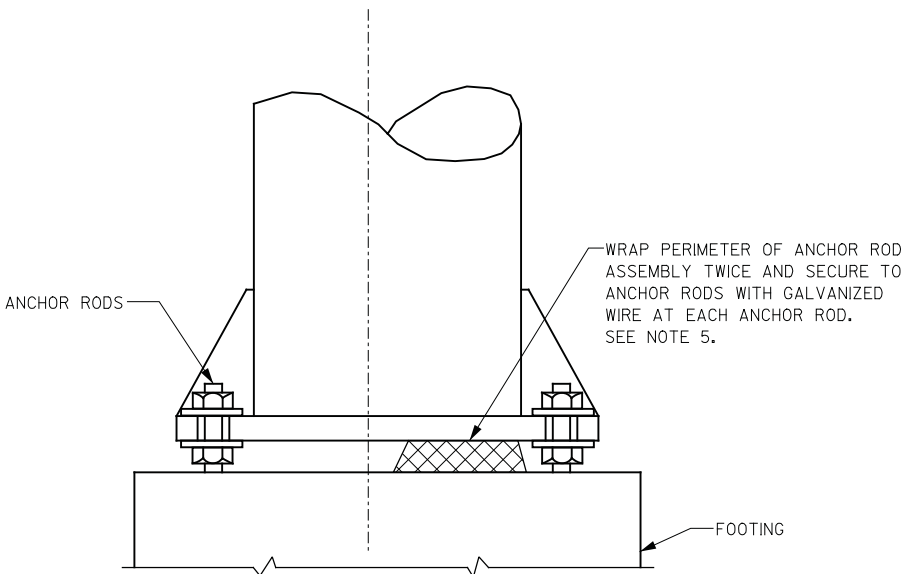
TYPICAL FOUNDATION DETAILS



TYPICAL CONCRETE SURFACE REPAIR DETAIL



TYPICAL REMOVE  
GROUT PAD



RODENT SCREEN

REQUIRED ON ALL GROUT PAD REMOVALS

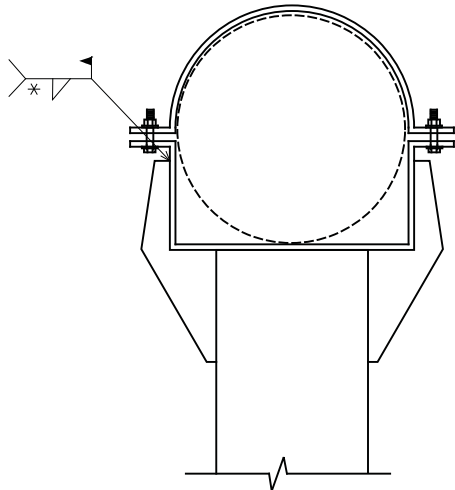
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. DRG
FOUNDATION DETAILS (2 OF 2)		SHEET 2 OF 136	

TABLE OF ESTIMATED QUANTITES FOR TRUSS\*

STRUCTURE NUMBER	REPAIR WELD	TENSION POST TO TRUSS CONNECTION BOLT	TIGHTEN LOOSE U-BOLT	TENSION SPLICE BOLT	SECURE POST CAP	INSTALL U-BOLT	REMOVING SIGN BRIDGE S-40-422
	SPV.0060.02	SPV.0060.04	SPV.0060.05	SPV.0060.08	SPV.0060.16	SPV.0060.24	SPV.105.02
	EACH	EACH	EACH	EACH	EACH	EACH	LS
S-40-275			1				
S-40-403				1			
S-40-407		1					
S-40-422							1
S-40-425						1	
S-40-549					1		
S-64-206	4						
S-66-200		4					
S-67-300		1					
UNDISTRIBUTED							
TOTAL	4	6	1	1	1	1	1

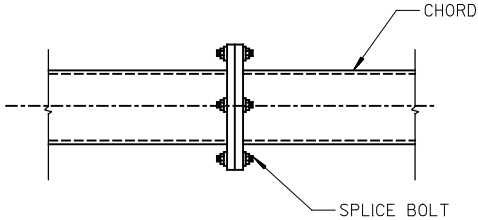
\* THE INFORMATION PROVIDED IN THIS TABLE IS FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE COUNTED AS ADDITIONAL QUANTITIES

\*\* MATCH EXISTING BOLT DIA.  
(MIN 1/2" DIA.)

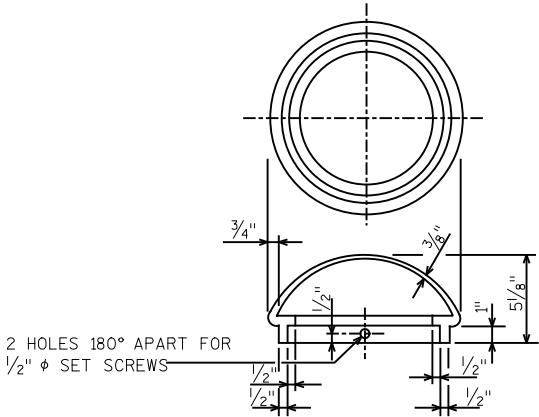


REPAIR WELD DETAIL

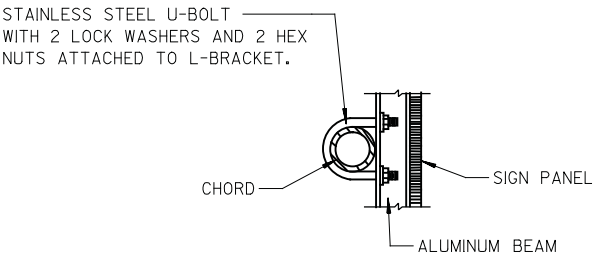
\*MATCH EXISTING WELD SIZE



TIGHTEN SPLICE BOLT DETAIL



TYPICAL TOWER CAP &  
END CAP DETAIL



TYPICAL TIGHTEN LOOSE U-BOLT DETAIL

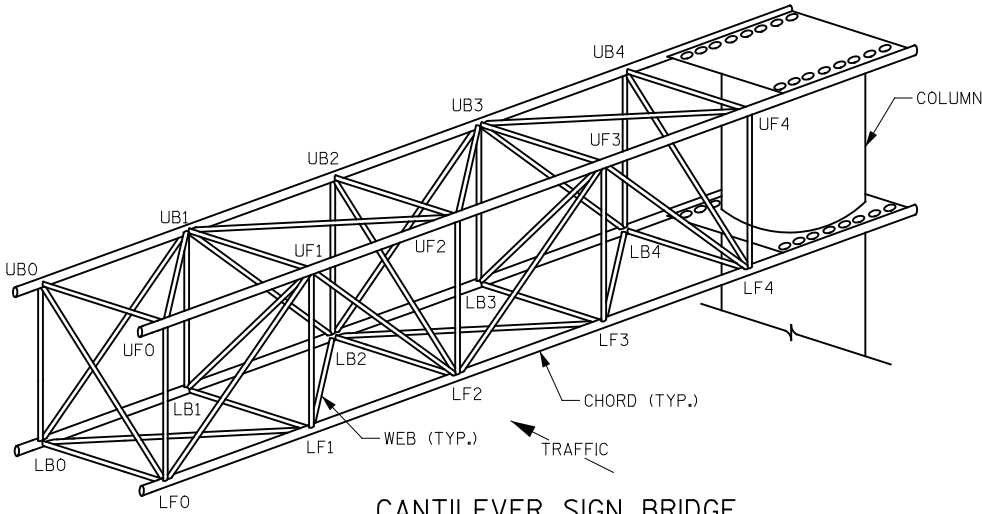
TRUSS NOTES:

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 ASTM A276. 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" AND UNDER SHALL BE USED.
4. REPLACE MISSING BOLT ON TOWER CAP WITH A STAINLESS STEEL BOLT.

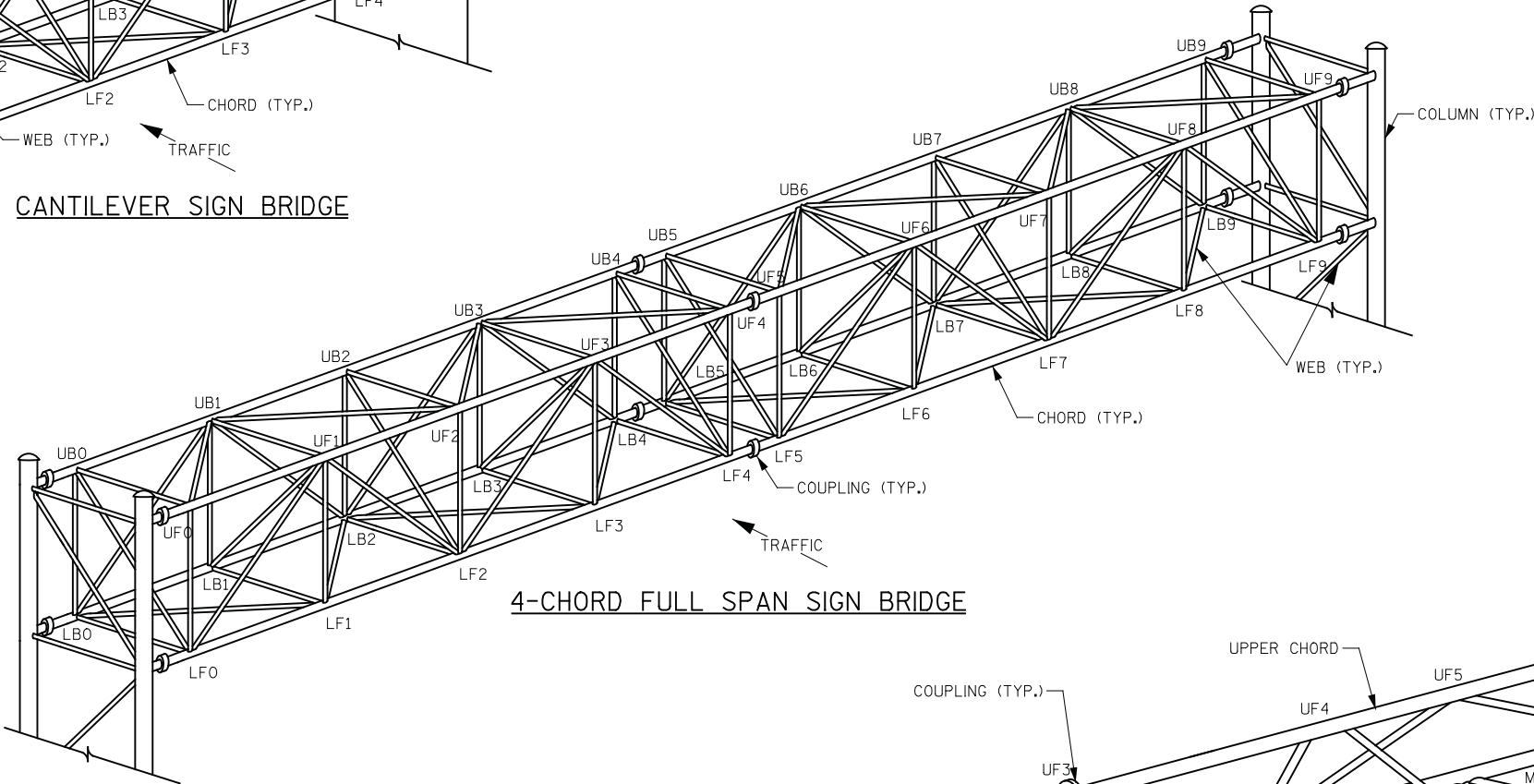
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. DRG
TRUSS DETAILS (1 OF 2)		SHEET 3 OF 136	

NOTES:

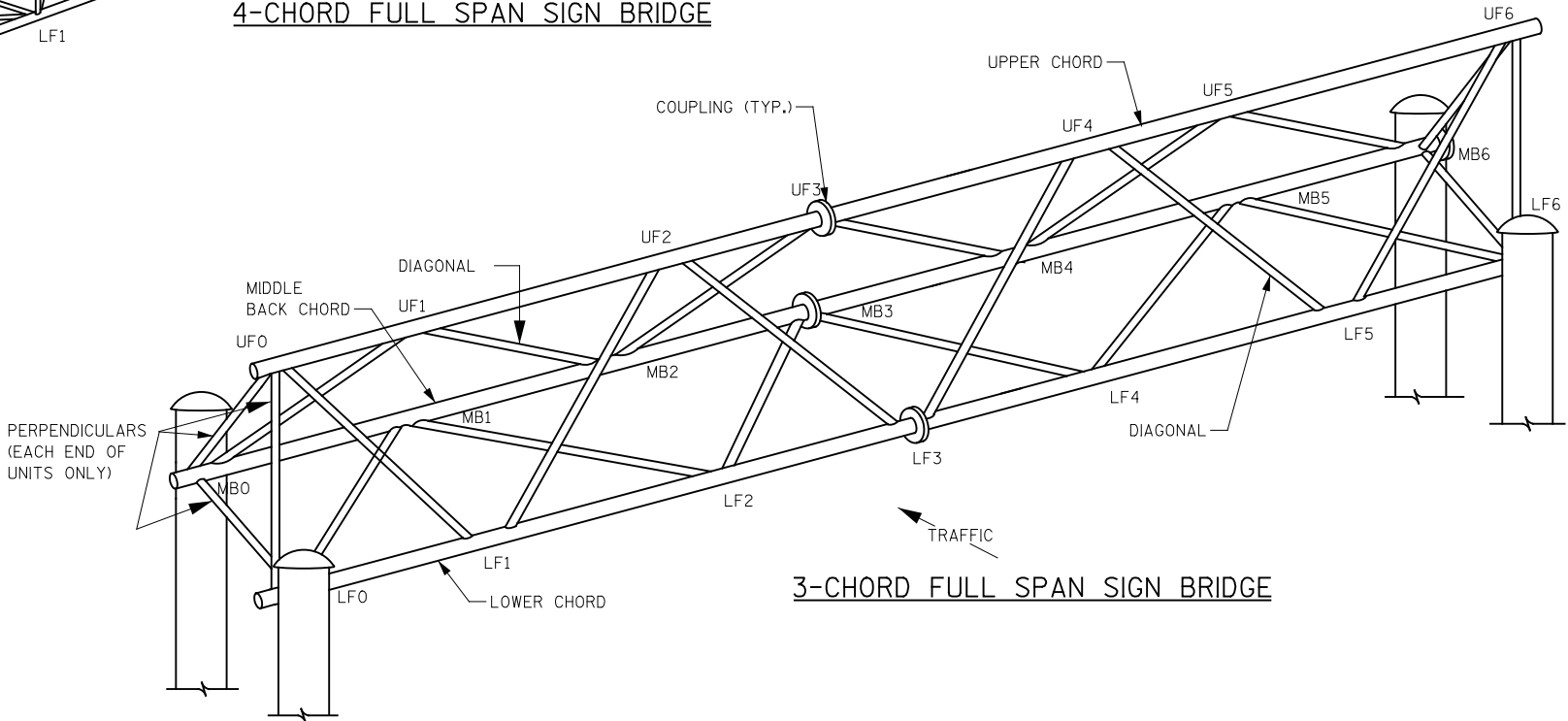
- 1. WHEN A FULL SPAN SIGN BRIDGE IS OVER BOTH DIRECTIONS AND SIGNS ARE ON STRUCTURE FOR BOTH DIRECTIONS, THEN NORTHBOUND AND EASTBOUND GOVERN THE NUMBERING SYSTEM.
- 2. THE CANTILEVER SIGN BRIDGE NUMBERING SYSTEM ALWAYS COUNTS UP FROM LEFT TO RIGHT REGARDLESS OF COLUMN LOCATION.



CANTILEVER SIGN BRIDGE



4-CHORD FULL SPAN SIGN BRIDGE



3-CHORD FULL SPAN SIGN BRIDGE

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. DRG
TRUSS DETAILS (2 OF 2)			SHEET 4 OF 136

TABLE OF ESTIMATED QUANTITES FOR SIGNS\*

STRUCTURE NUMBER	POSTS WOOD 4X6-INCH X 18-FT	SIGNS REFLECTIVE TYPE I	SIGNS REFLECTIVE TYPE II	MOVING SIGNS TYPE II	REMOVING SIGNS TYPE I	SIGNAL MOUNTING HARDWARE S-40-708	SIGNAL MOUNTING HARDWARE S-40-729	SIGNAL MOUNTING HARDWARE S-40-731	SIGNAL MOUNTING HARDWARE S-40-917	PLAQUES SEQUENCE IDENTIFICATION	REMOVE OVERHEAD TYPE II SIGN ASSEMBLY	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	REPLACE SIGN PANEL CONNECTOR	REPLACE SIGN BRIDGE ID PLAQUE	REATTACH TYPE II SIGN	REPLACE SIGN MOUNT CONNECTION BOLT	TYPE I SIGN I-BEAM REPLACEMENT	TIGHTEN SIGNAL MOUNT SOCKET CONNECTION	REPLACE DISHED WASHER	TYPE II FOLD UP SIGN HINGES
	634.0618	637.0101	637.0202 **	638.2102	638.2601	658.5069.01	658.5069.02	658.5069.03	658.5069.04	659.0802	SPV.0060.03	SPV.0060.06	SPV.0060.10	SPV.0060.11	SPV.0060.20	SPV.0060.21	SPV.0060.25	SPV.0060.26	SPV.0060.27	SPV.0060.28
	EACH	SF	SF	EACH	EACH	LS	LS	LS	LS	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
S-30-6													44							
S-30-7													26							
S-30-9													14							
S-30-12													16							
S-30-211												2								
S-40-1		958			5									1						
S-40-7										1										
S-40-36													104							
S-40-38													87							
S-40-154													19							
S-40-190													34							
S-40-197													36							
S-40-207													42							
S-40-214													16							
S-40-217													21							
S-40-220													21							
S-40-222													28							
S-40-226													23							
S-40-227													23							
S-40-228													19							
S-40-229													21							
S-40-260													33							
S-40-273														1						
S-40-288			14									1								
S-40-321													35							
S-40-327													42							
S-40-340													36							
S-40-348													2							
S-40-355													36							
S-40-394													5				1			
S-40-395																	4			
S-40-396													5							
S-40-422	1			5																
S-40-531																				2
S-40-546													3							
S-40-621												2								
S-40-700												1								
S-40-701												1								
S-40-708						1														
S-40-722														1						
S-40-729							1													
S-40-731								1												
S-40-733														1						
S-40-903																		1		
S-40-905												2								
S-40-912												2								
S-40-916													1							
S-40-917									1											
S-40-921													1							
S-45-201												3	1						1	
S-45-600													1							
S-64-12													2							
S-64-201																				
S-66-3													22							
S-66-4													18							
S-66-203																1				
S-66-601												2								
S-66-602												1								
S-67-23													81							
S-67-29													64	1						
S-67-31														1						
S-67-33													39							
S-67-35													30							
S-67-36													24							
S-67-218												2								
S-67-253											1									
S-67-257												1								
S-67-273															1					
S-67-275													20							
S-67-281													4							
S-67-288															1					
S-67-909														1						
UNDISTRIBUTED																				
TOTAL	1	958	14	5	5	1	1	1	1	1	1	22	1095	11	2	1	5	1	1	2

\* THE INFORMATION PROVIDED IN THIS TABLE IS FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE COUNTED AS ADDITIONAL QUANTITIES

\*\* SIGNS REFLECTIVE TYPE II  
637.0202  
SF

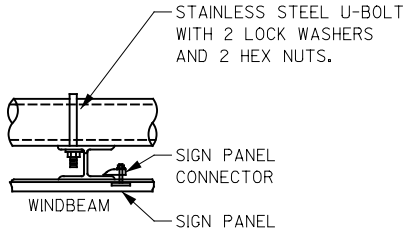
	SIGN SIZE	SF	SIGN PLATE
SIGN #1	42" X 48"	14	R3-5L

STATE PROJECT NUMBER

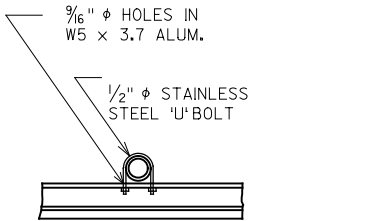
1000-19-79

SIGN PANEL NOTES:

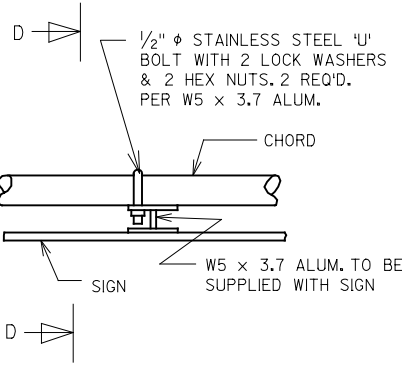
1. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL REPAIRS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE OF THE ITEM REQUIRED.



SIGN PANEL CONNECTOR DETAIL



SECTION D-D



TYPICAL TYPE I SIGN CONNECTION

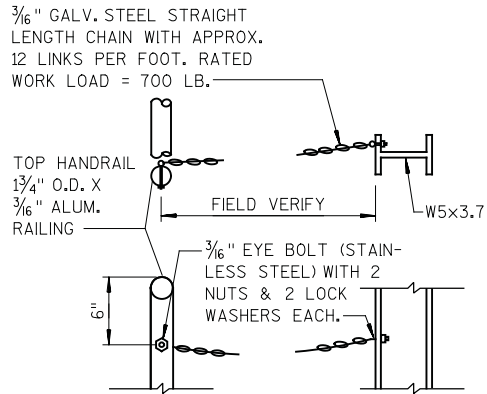
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. DRG
SIGN PANEL DETAILS			SHEET 5 OF 136

STRUCTURE NUMBER	REALIGN HANDRAIL LOCKING PIN	REPLACE SAFETY CHAIN	REPLACE RAILING HINGE ROD	INSTALL CATWALK BACK HANDRAIL	REPLACE CATWALK TOEBOARD	REMOVE CATWALK
	SPV.0060.09	SPV.0060.12	SPV.0060.13	SPV. 0090.01	SPV.0090.02	SPV.0105.01
	EACH	EACH	EACH	LF	LF	LS
S-40-1						1
S-40-37			9			
S-40-38			9			
S-40-120			9			
S-40-394		1				
S-40-400	5		7			
S-40-403			7			
S-40-406			7			
S-40-523		1				
S-40-533		1				
S-40-540				16		
S-40-549					5	
UNDISTRIBUTED						
TOTAL	5	3	48	16	5	1

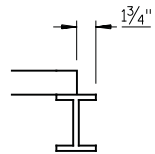
2'-0"

500 LB.

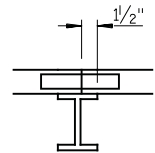
1. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL REPAIRS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE OF THE ITEM REQUIRED.



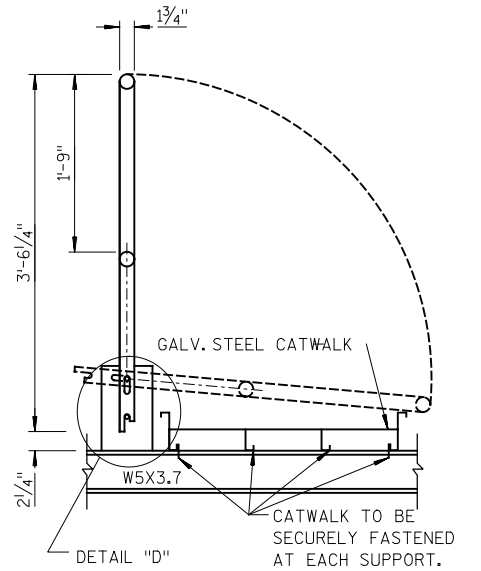
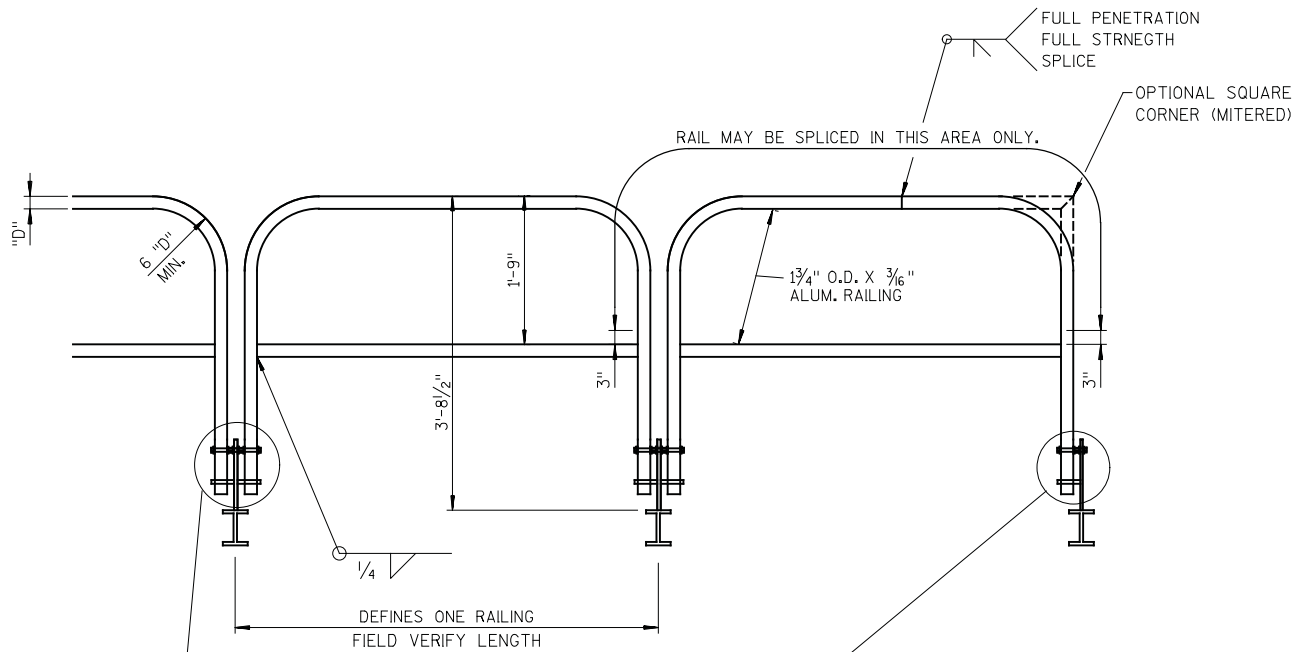
## SAFETY CHAIN DETAIL



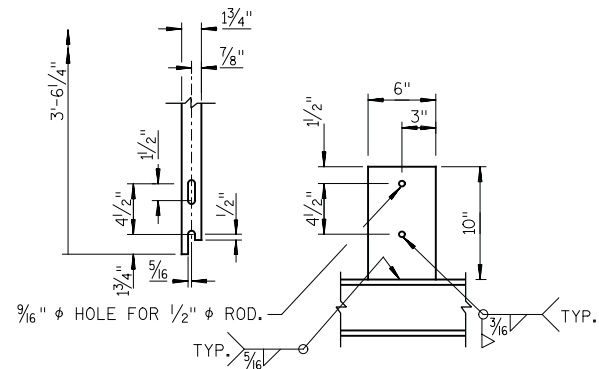
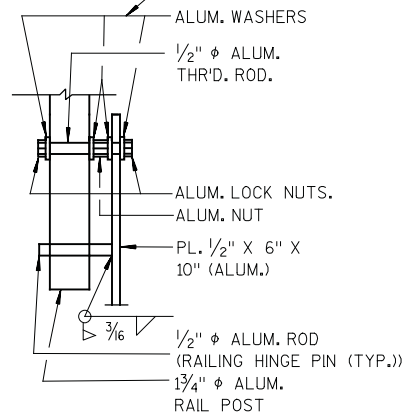
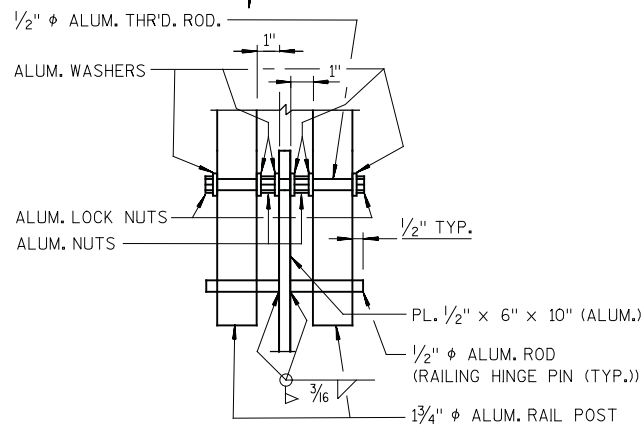
## CATWALK TERMINATION DETAIL



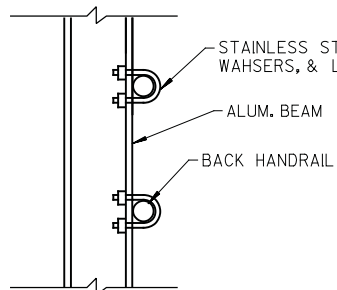
CATWALK SPLICE  
LOCATION DETAIL

RAIL POST DETAIL

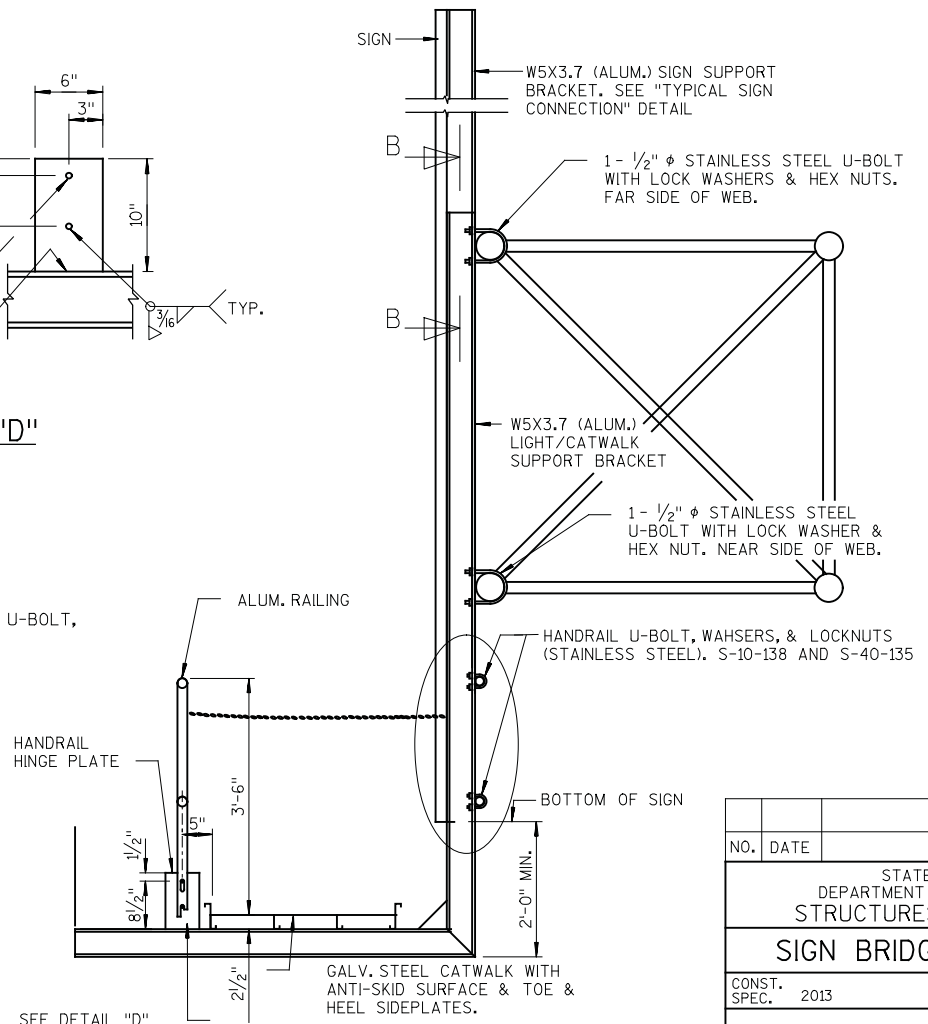
## TYPICAL RAILING DETAILS



DETAIL "D"



### BACK HANDRAIL DETAIL



SECTION THRU WALKWAY

NO.	DATE	REVISION			BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION					
SIGN BRIDGE REPAIRS 2013					
CONST. SPEC.		2013	DRAWN BY	DW	PLANS CK'D. DRG
CATWALK DETAILS				SHEET 6 OF 136	

TABLE OF ESTIMATED QUANTITIES FOR ELECTRICAL\*

STRUCTURE NUMBER	REPLACE JUNCTION BOX COVER	REPLACE MISSING CONDUIT PLUG	SECURE JUNCTION BOX	REPLACE LUMINAIRE LENS	SECURE LUMINAIRE COVER	TIGHTEN/ REPLACE HANDHOLE COVER BOLT	REPLACE LUMINAIRE SUPPORT CHANNEL BOLT	REPLACE MISSING HANDHOLE COVER	TIGHTEN LIGHT POLE CONNECTION BOLT	LAMP DISPOSAL HIGH INTENSITY DISCHARGE	STOCKPILING SIGN LIGHTING LUMINAIRES	REMOVING SIGN LIGHTING
	SPV.0060.07	SPV.0060.14	SPV.0060.15	SPV.0060.17	SPV.0060.18	SPV.0060.19	SPV.0060.29	SPV.0060.30	SPV.0060.31	SPV.0060.33	SPV.0060.34	SPV.0060.37
	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
S-40-1										5		1
S-40-9							1					
S-40-38					3							
S-40-203			1									
S-40-204		1										
S-40-206		1										
S-40-213					1							
S-40-214	1											
S-40-216			1									
S-40-218					2							
S-40-219					1							
S-40-224				1								
S-40-226						2						
S-40-228								1	2			
S-40-328					1							
S-40-338					1							
S-40-340					1							
S-40-353					1	1						
S-40-388						1						
S-40-395		1										
S-40-422												
S-40-520						1						
S-40-522	1											
S-40-540				1								
S-40-710						1						
S-40-730		2										
S-67-1					1							
S-67-2					1							
S-67-23		1										
S-67-305		1										
S-67-310		1										
S-67-315										1	1	
UNDISTRIBUTED												
TOTAL	2	8	2	2	13	6	1	1	2	6	1	1

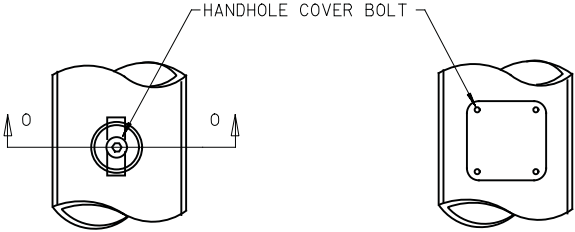
\* THE INFORMATION PROVIDED IN THIS TABLE IS FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE COUNTED AS ADDITIONAL QUANTITIES

STATE PROJECT NUMBER

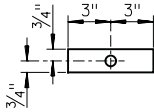
1000-19-79

ELECTRICAL NOTES:

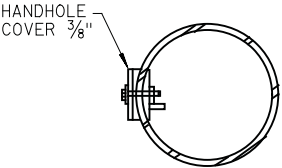
1. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL REPAIRS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE OF THE ITEM REQUIRED.
3. THE CONTRACTOR SHALL USE ANTI-SIEZE COMPOUND ON ELECTRICAL HANDHOLE COVER BOLTS, JUNCTION BOX BOLTS, LUMINAIRE COVER BOLTS, AND CONDUIT PLUGS PER SECTION 651.3.1 (5) OF THE WISDOT STANDARD SPECIFICATIONS.



TYPICAL HANDHOLE DETAILS

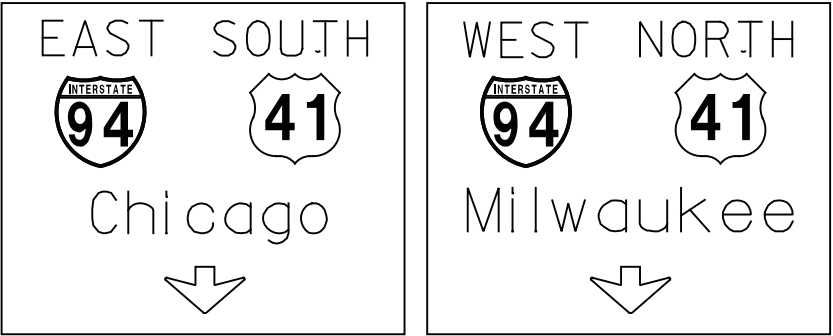


LOCKING PLATE



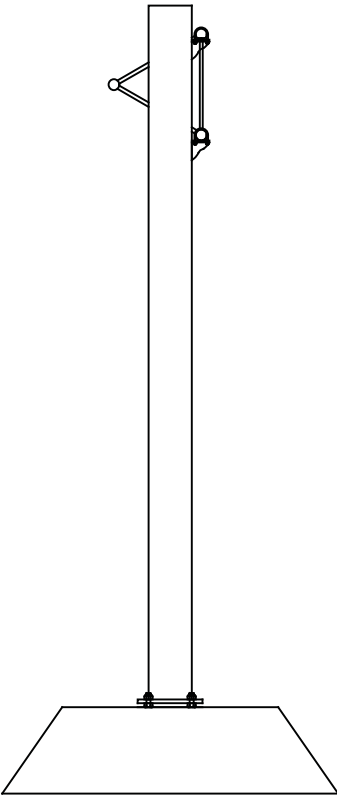
SECTION 'O'

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. DRG
ELECTRICAL DETAILS		SHEET 7 OF 136	

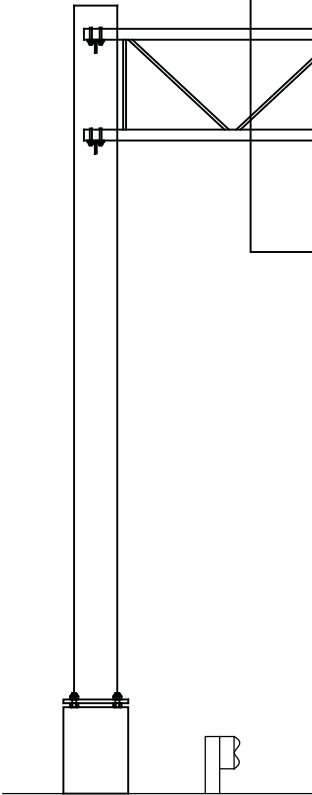


THE SOUTH SIGN WAS MISSING 22  
SIGN PANEL CONNECTORS

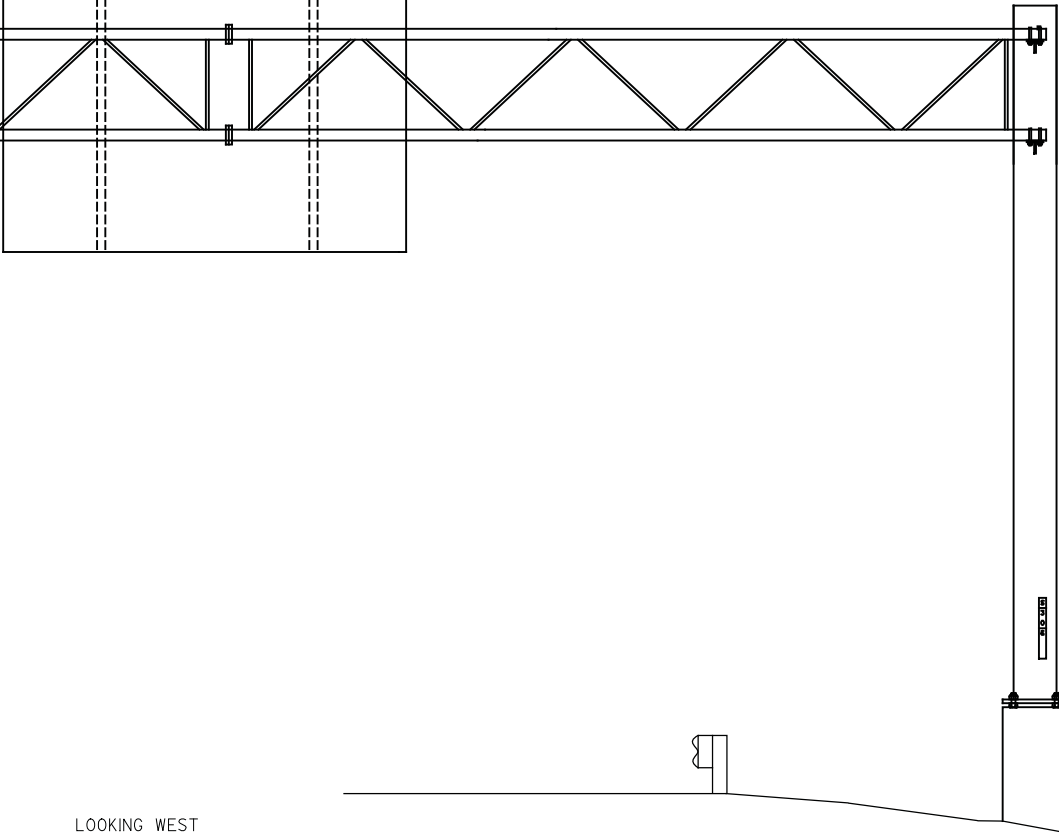
THE NORTH SIGN WAS MISSING 22  
SIGN PANEL CONNECTORS



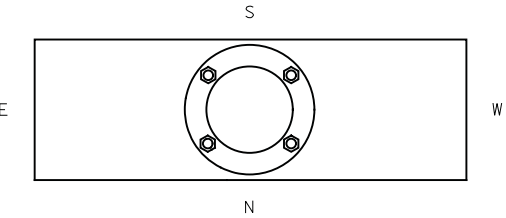
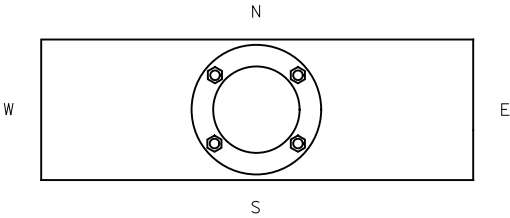
LOOKING NORTH



LOOKING WEST

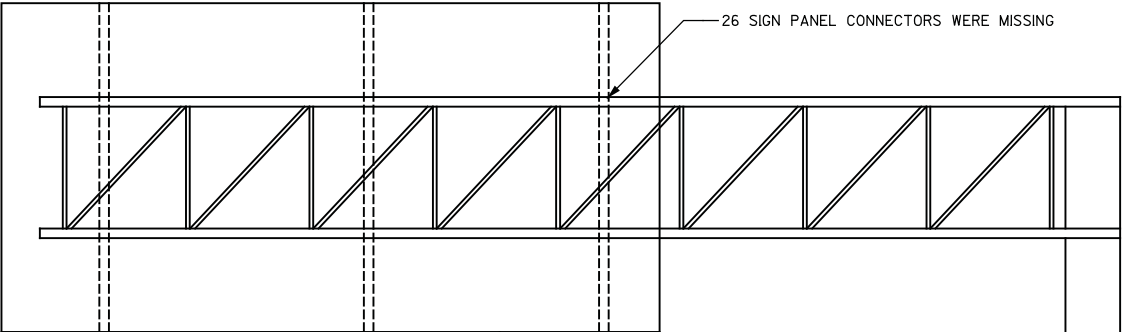
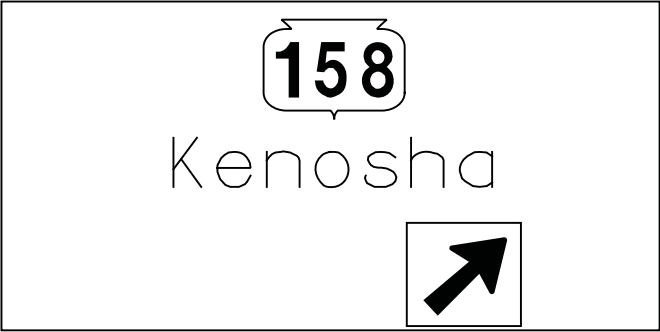


LOOKING SOUTH

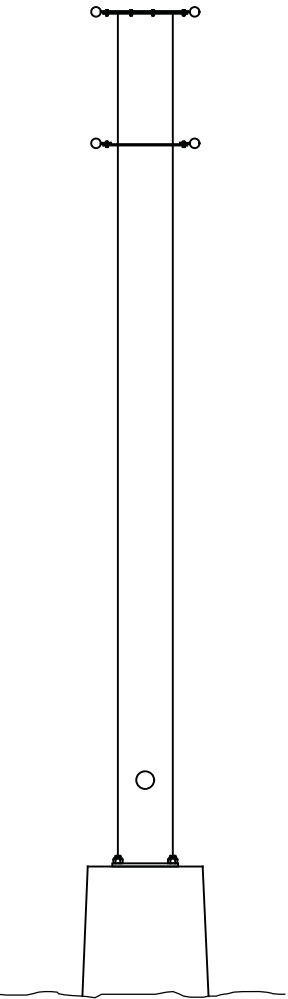


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	44 EACH	SHEET 5

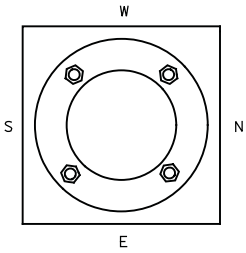
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-30-6			SHEET 8 OF 136



26 SIGN PANEL CONNECTORS WERE MISSING



LOOKING WEST

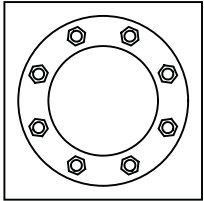
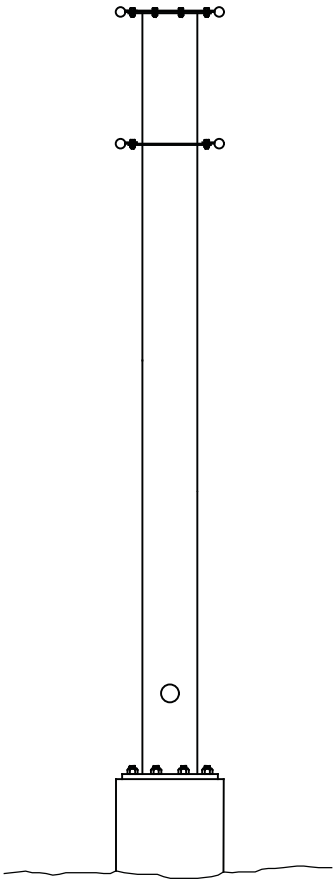
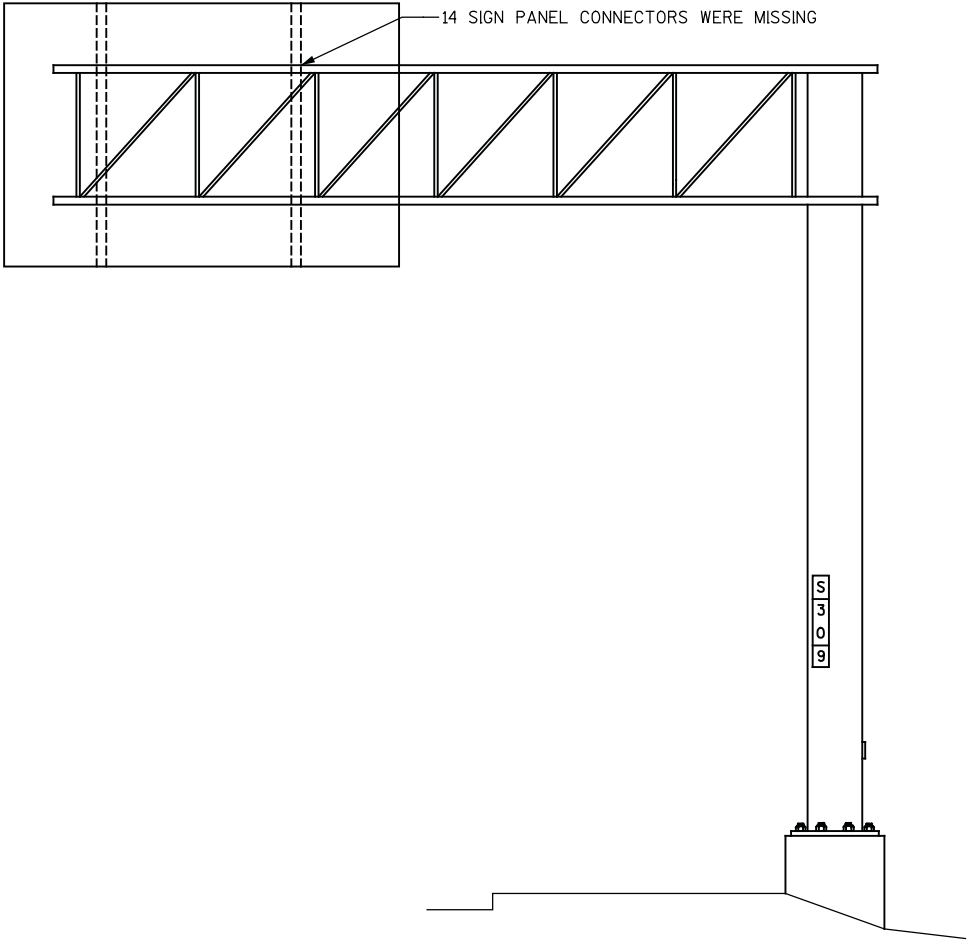


LOOKING NORTH

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	26 EACH	SHEET 5

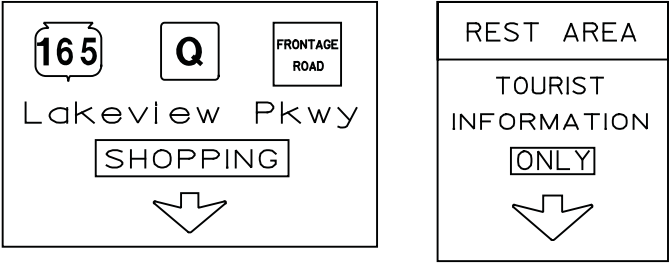
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-30-7			SHEET 9 OF 136



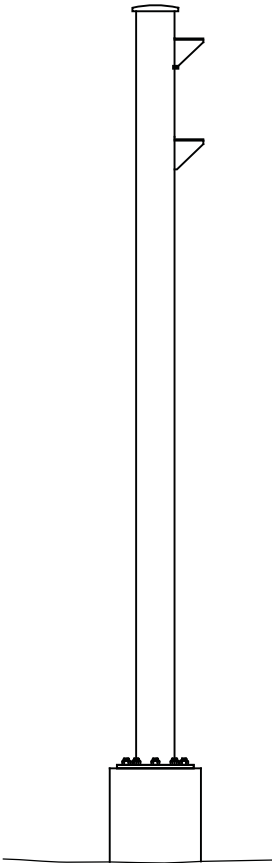


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	14 EACH	SHEET 5

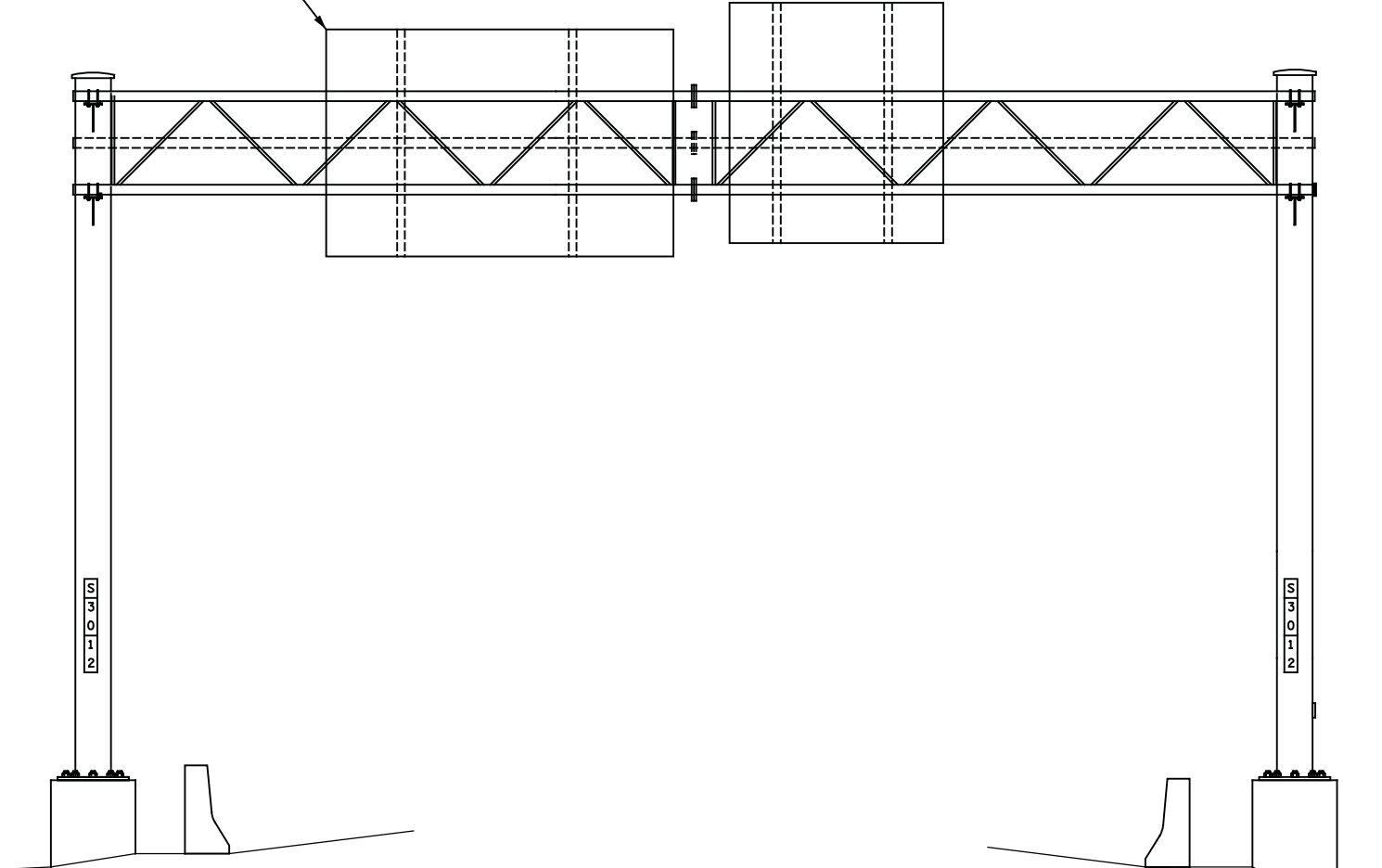
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-30-9			SHEET 10 OF 136



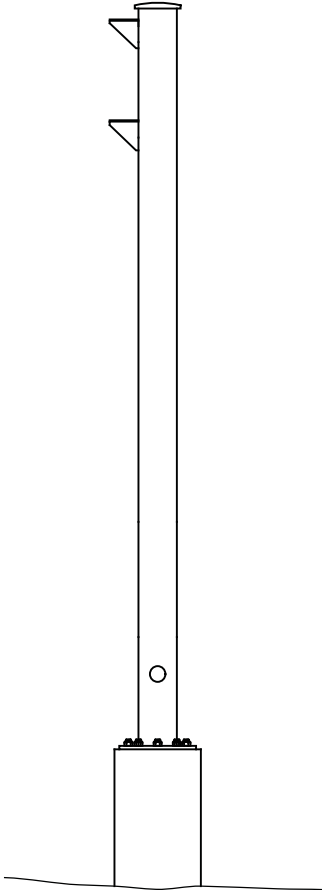
16 SIGN PANEL CONNECTORS WERE MISSING ON THE WEST SIGN



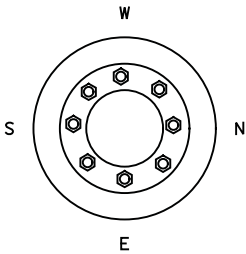
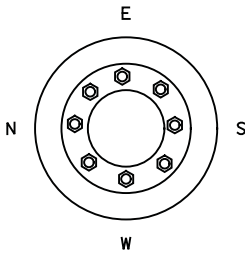
LOOKING EAST



LOOKING NORTH

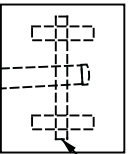
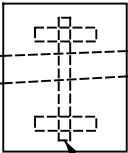
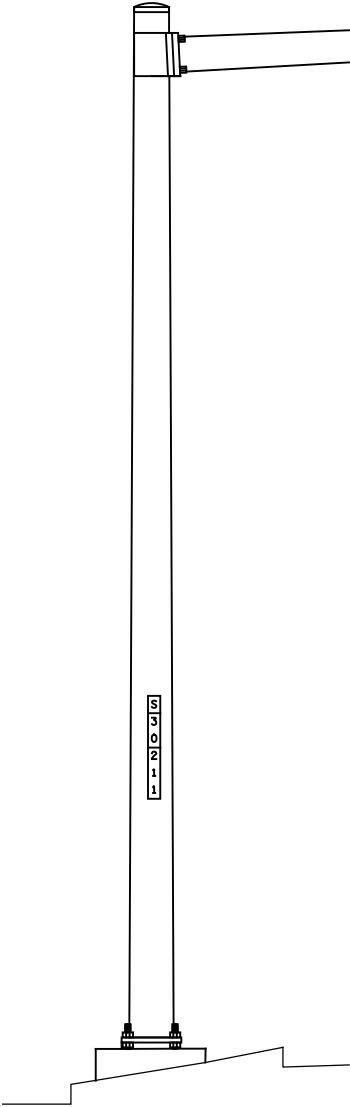
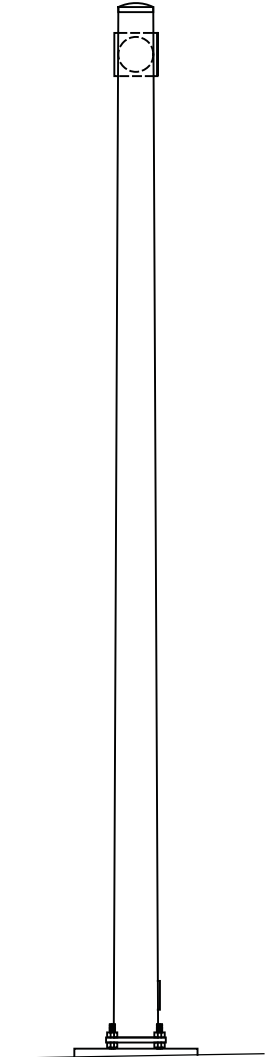


LOOKING WEST

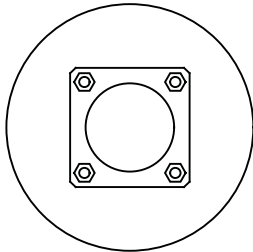


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	16 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN STRUCTURE INSPECTIONS 2012			
CONST. SPEC.	N/A	DRAWN BY JMW	PLANS CK'D. DRG
S-30-12			SHEET 11 OF 136

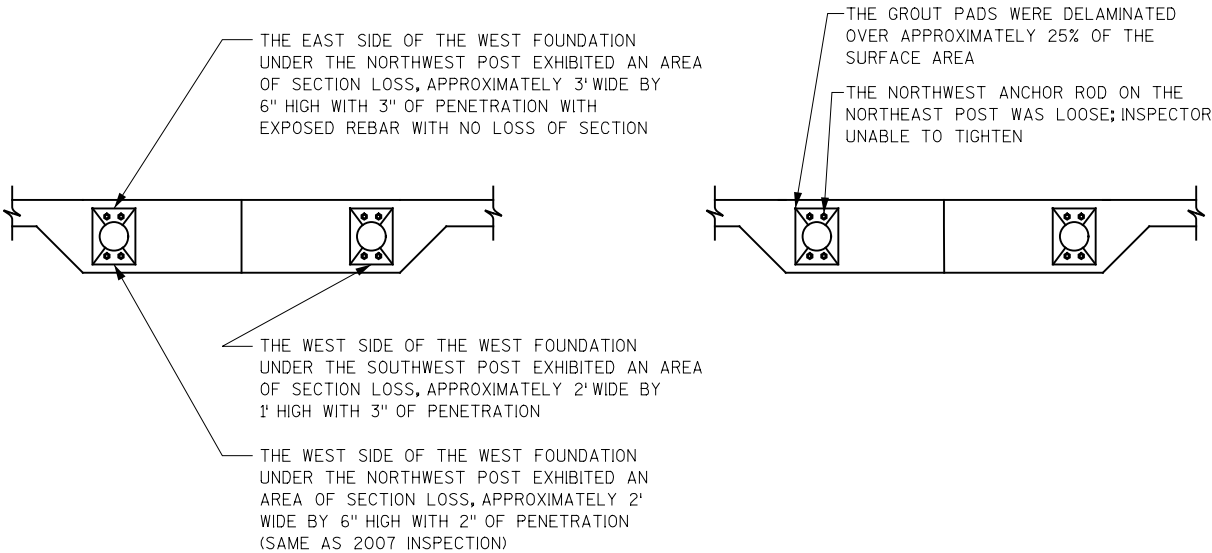
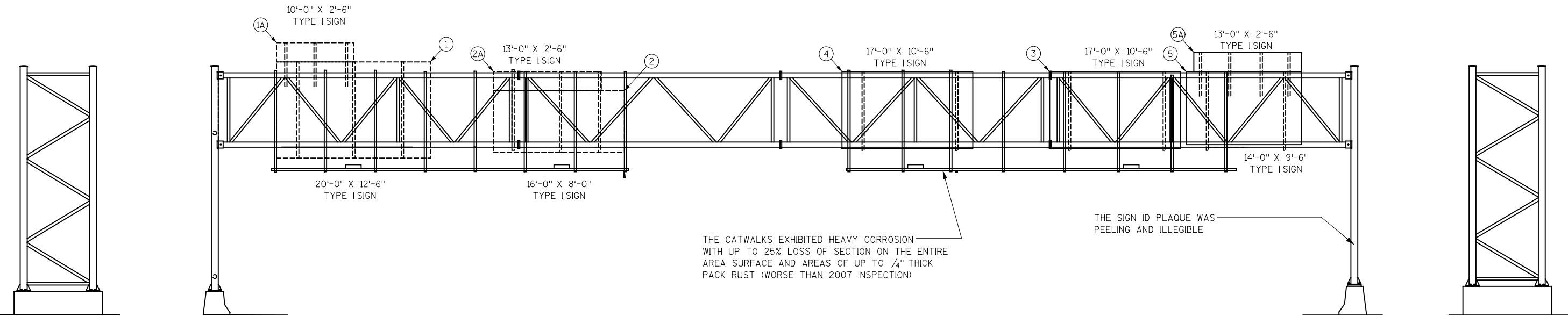
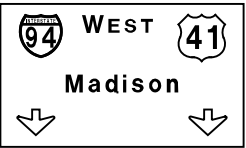
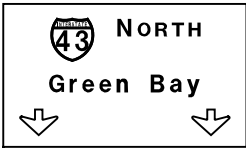
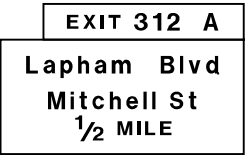


INSTALL OVERHEAD SIGN  
MOUNTING SYSTEM



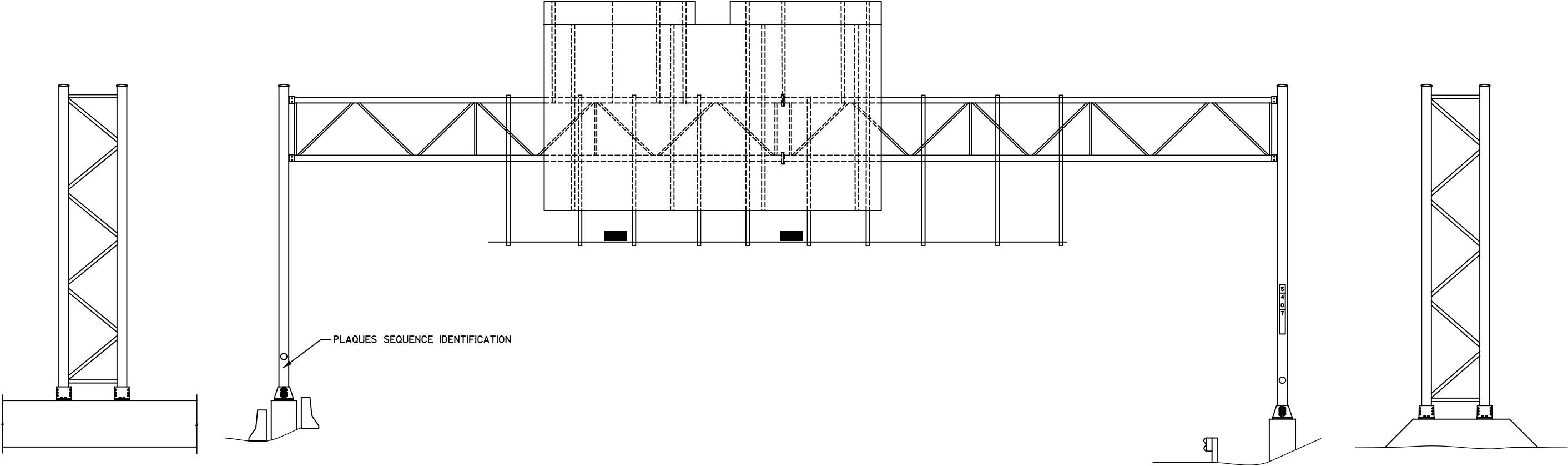
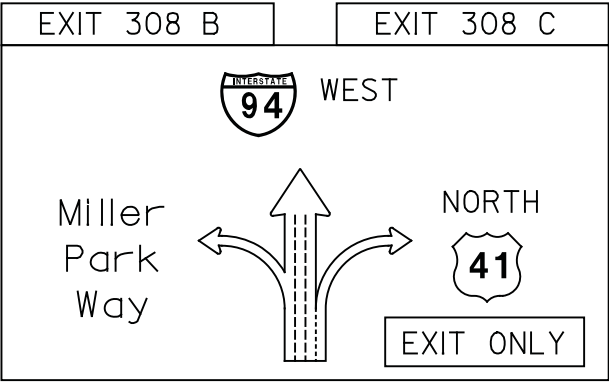
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.06	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	2 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-30-211			SHEET 12 OF 136



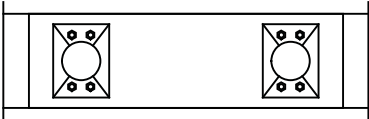
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
637.0101	SIGNS REFLECTIVE TYPE I	958 SF	SHEET 5
638.2601	REMOVING SIGNS TYPE I	5 EACH	SHEET 5
SPV.0025.01	REPAIR FOUNDATION	3 CF	SHEET 1
SPV.0060.11	REPLACE SIGN BRIDGE ID PLAQUE	1 EACH	SHEET 5
SPV.0060.33	LAMP DISPOSAL HIGH INTENSITY DISCHARGE	5 EACH	SHEET 7
SPV.0060.35	TENSION ANCHOR ROD	1 EACH	SHEET 1
SPV.0060.36	REMOVE GROUT PAD	4 EACH	SHEET 1
SPV.0060.37	REMOVE SIGN LIGHTING	1 EACH	SHEET 7
SPV.0105.01	REMOVE CATWALK	1 LS	SHEET 6

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-1			SHEET 13 OF 136



8

8



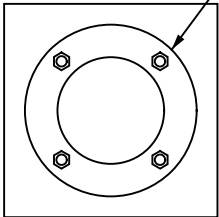
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
659.0802	PLAQUES SEQUENCE IDENTIFICATION	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-7			SHEET 14 OF 136

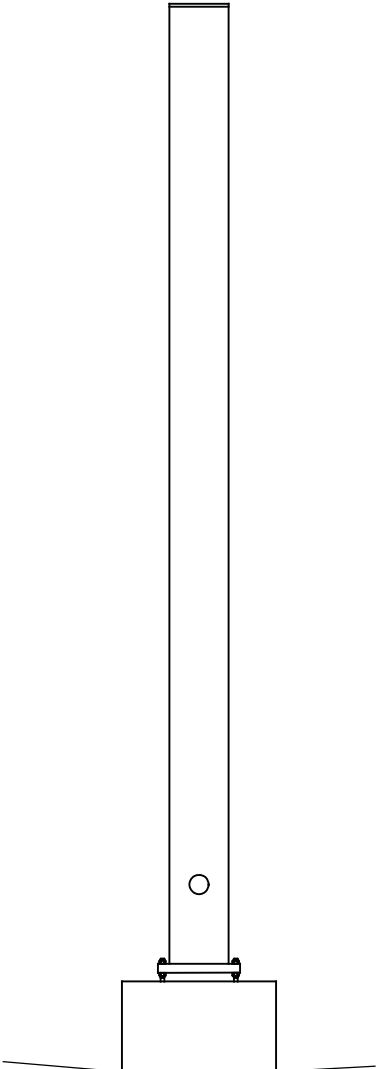
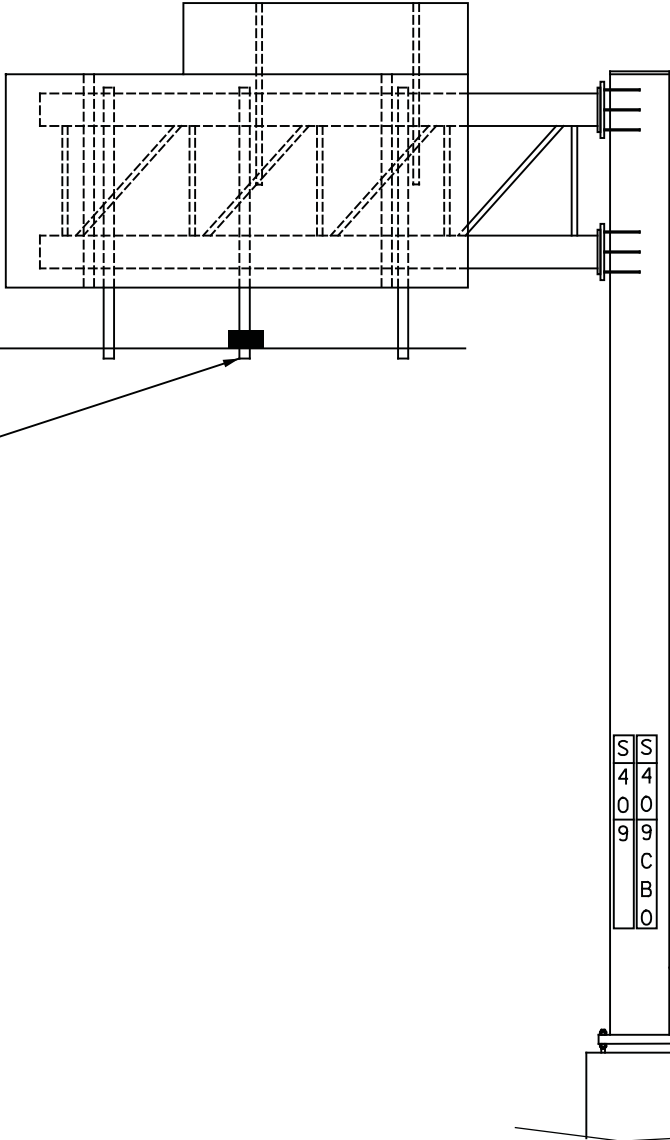
EXIT 7

60 th Street ↗

ONE LUMINAIRE SUPPORT CHANNEL BOLT  
WAS LOOSE ON THE MIDDLE L-BRACKET

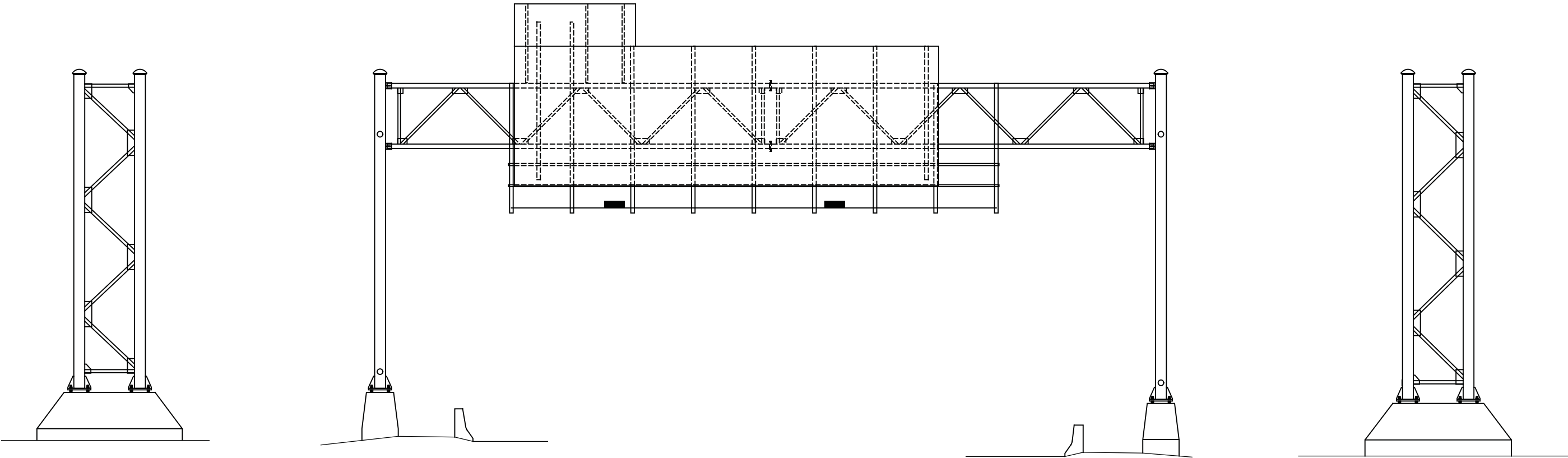
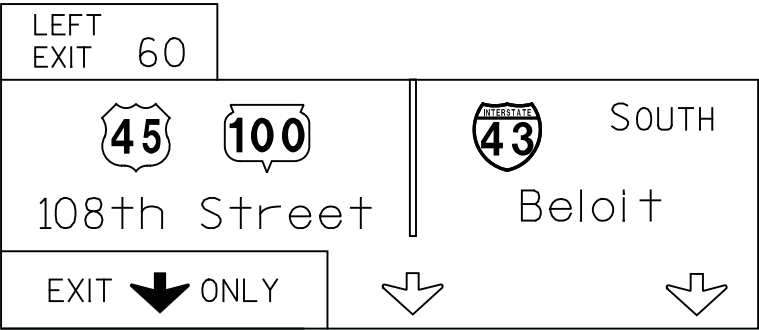


THE RODENT SCREEN WAS MISSING

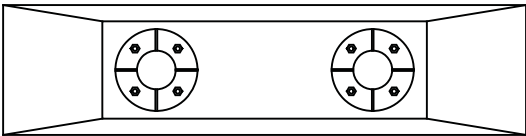
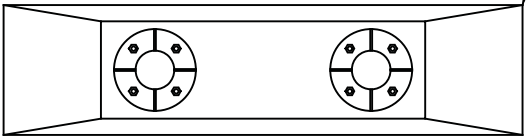


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1
SPV.0060.29	REPLACE LUMINAIRE SUPPORT CHANNEL BOLT	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-9			SHEET 15 OF 136

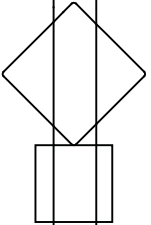
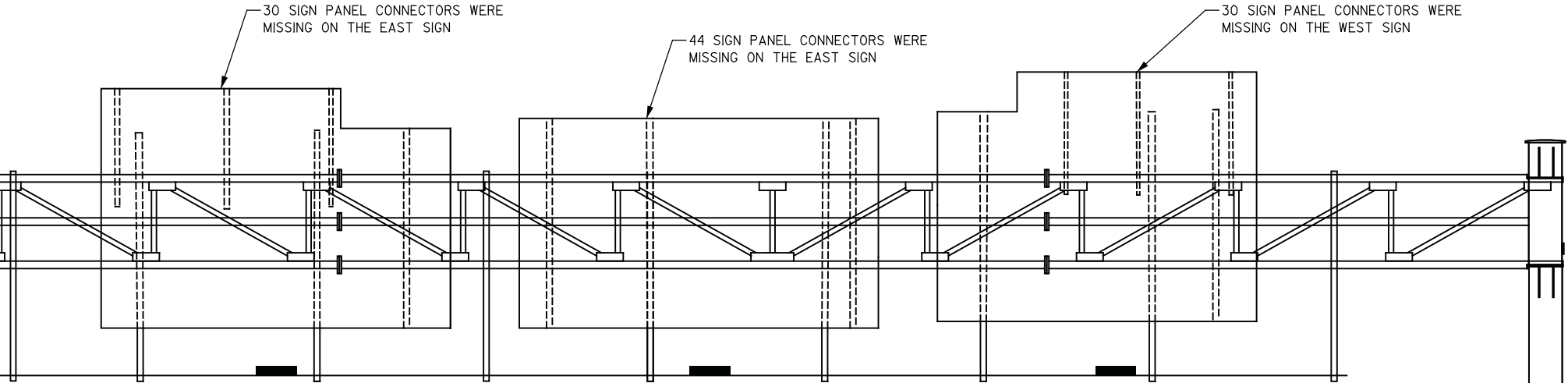
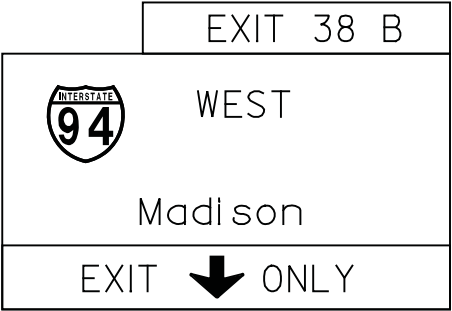
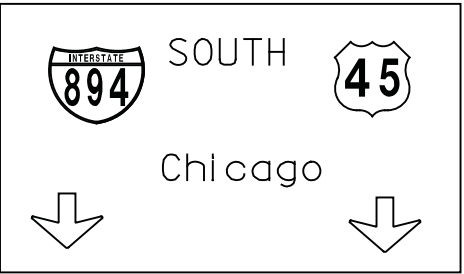
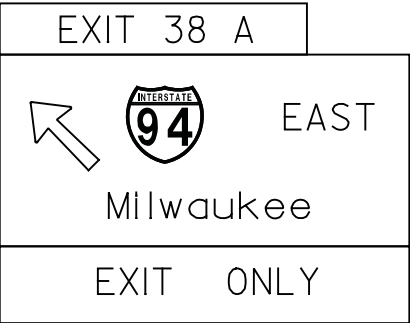


THE NORTHEAST CORNER OF  
THE EAST FOUNDATION EXHIBITED  
UNDERMINING, 2.5' LONG ON THE  
NORTH FACE, 4.5' LONG ON THE  
EAST FACE WITH 2" MAXIMUM  
VERTICAL EXPOSURE AND 1' OF  
PENETRATION



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0035.01	FILL EROSION	0.5 CY	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-21			SHEET 16 OF 136

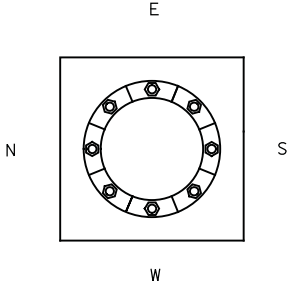
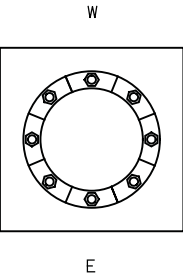


WISCONSIN

LOOKING WEST

LOOKING SOUTH

LOOKING EAST



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	104 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-36			SHEET 17 OF 136



Greenfield Ave 1/4  
Lincoln Ave 1 1/4  
National Ave 1 1/2

EXIT 1 B

INTERSTATE

94

WEST

Madison

EXIT 

↓

 ONLY

45

NORTH

Fond du Lac

↓

↓

EXIT 1 A

INTERSTATE

94

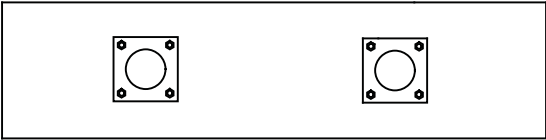
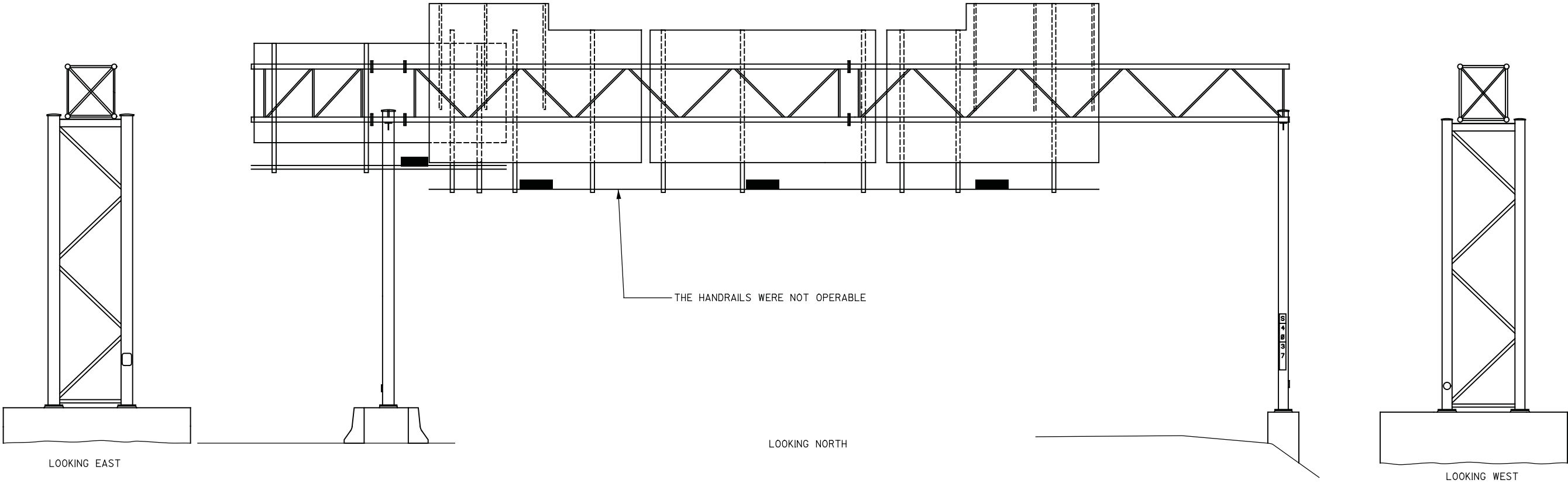
EAST

Milwaukee

EXIT 

↓



 ONLY




ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.13	REPLACE RAILING HINGE ROD	9 EACH	SHEET 6



NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-37			SHEET 18 OF 136

EXIT 1 B


 WEST  
Madison


35 MPH

 NORTH  
Fond du Lac



EXIT 1 A

 EAST  
Milwaukee

EXIT  ONLY

27 SIGN PANEL CONNECTORS WERE MISSING ON THE WEST SIGN

30 SIGN PANEL CONNECTORS WERE MISSING ON THE MIDDLE SIGN

30 SIGN PANEL CONNECTORS WERE MISSING ON THE EAST SIGN

BOTH COVER BOLTS WERE SHEARED OFF ON ALL THREE LUMINAIRES

THE HANDRAILS WERE INOPERABLE

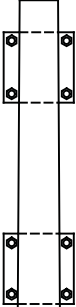
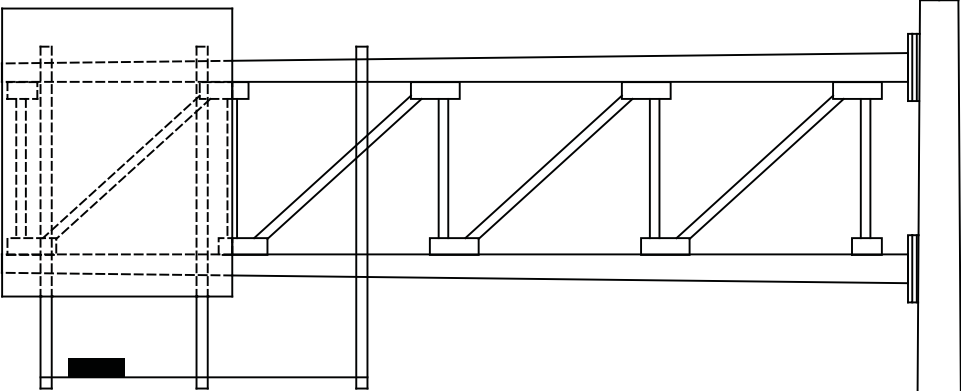
LOOKING EAST

LOOKING NORTH

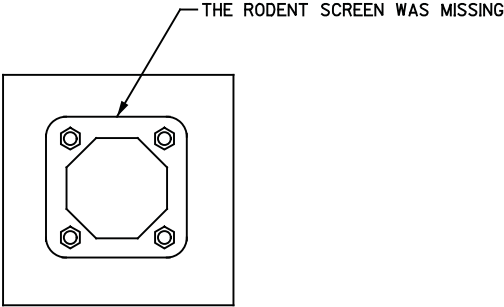
LOOKING WEST

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	87 EACH	SHEET 5
SPV.0060.13	REPLACE RAILING HINGE ROD	9 EACH	SHEET 6
SPV.0060.18	SECURE LUMINAIRE COVER	3 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-38			SHEET 19 OF 136

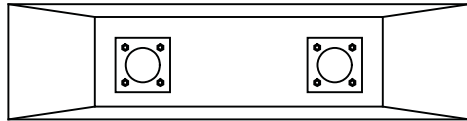
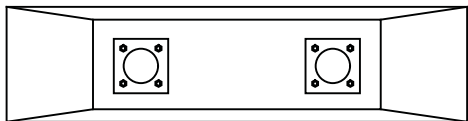
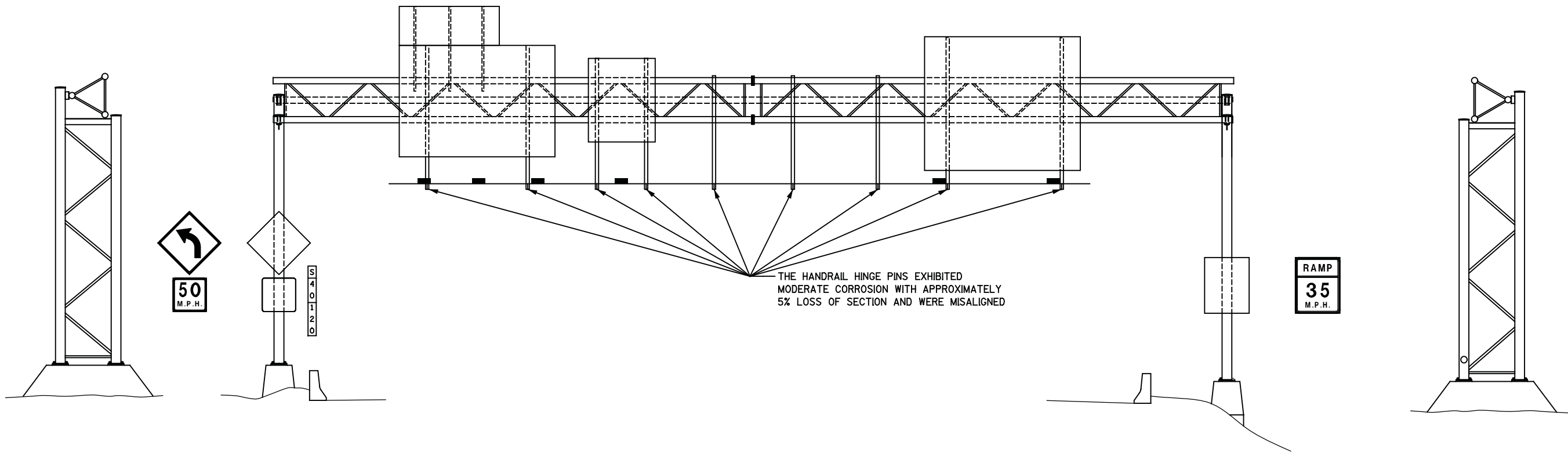
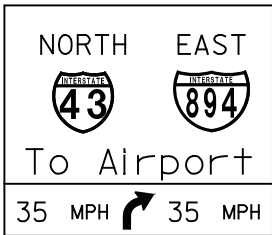
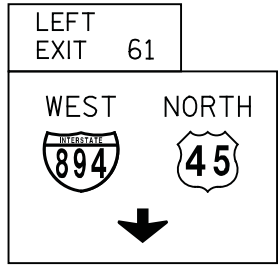


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4  
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6  
4



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-64			SHEET 20 OF 136

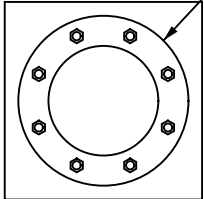
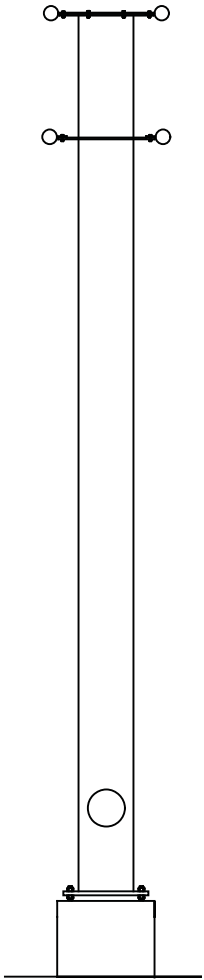
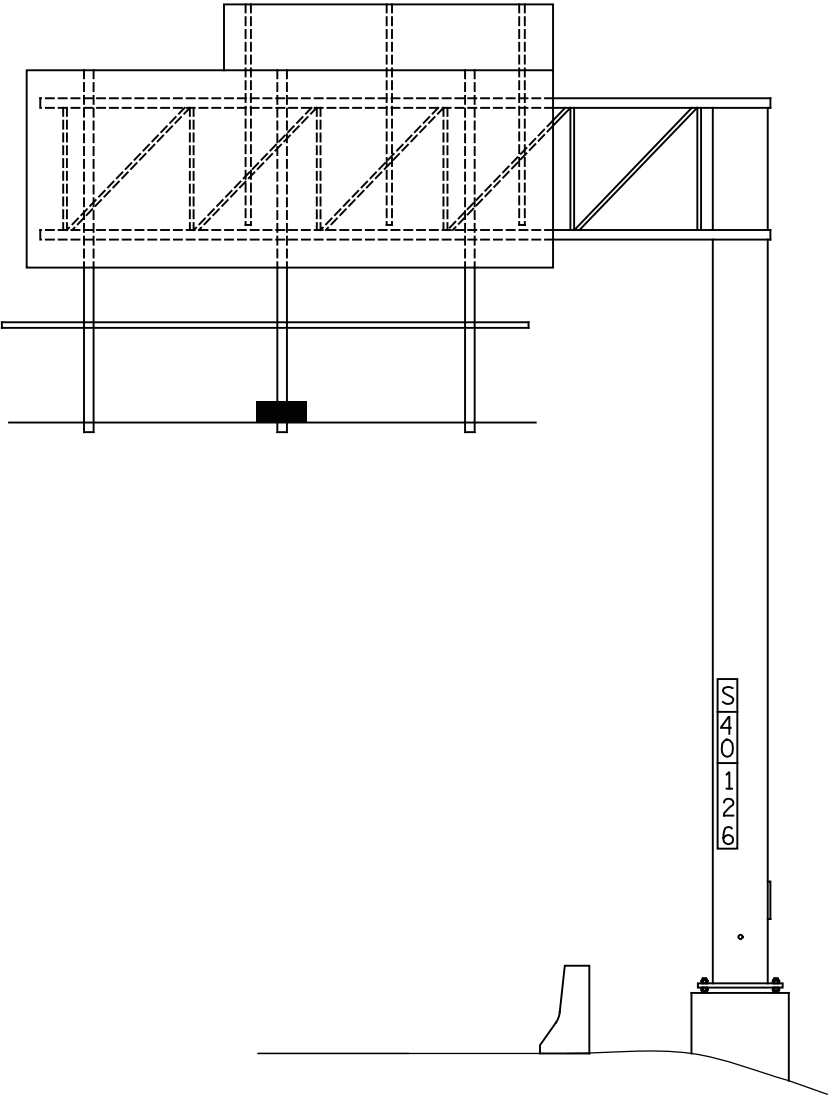


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.13	REPLACE RAILING HINGE ROD	9 EACH	SHEET 6

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-120			SHEET 21 OF 136

EXIT 2 B

Oklahoma Avenue ↗




THE RODENT SCREEN WAS MISSING

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1

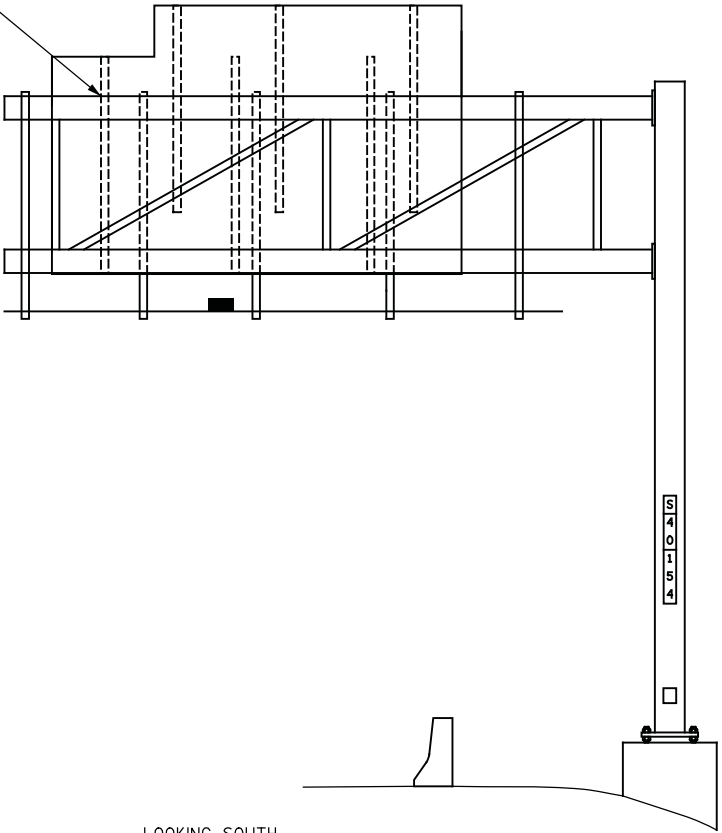
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-126			SHEET 22 OF 136

EXIT 312 A

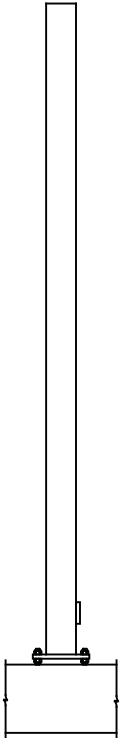
Lapham Blvd  
Mitchell St

EXIT  ONLY

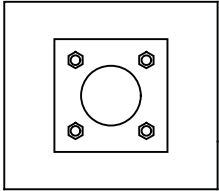
19 SIGN PANEL CONNECTORS  
WERE MISSING



LOOKING SOUTH



LOOKING EAST



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	19 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-154			SHEET 23 OF 136

EXIT 1F



Lakefront



To



Port of Milw

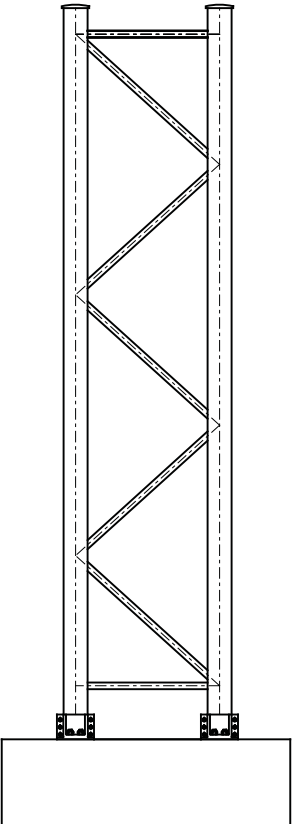
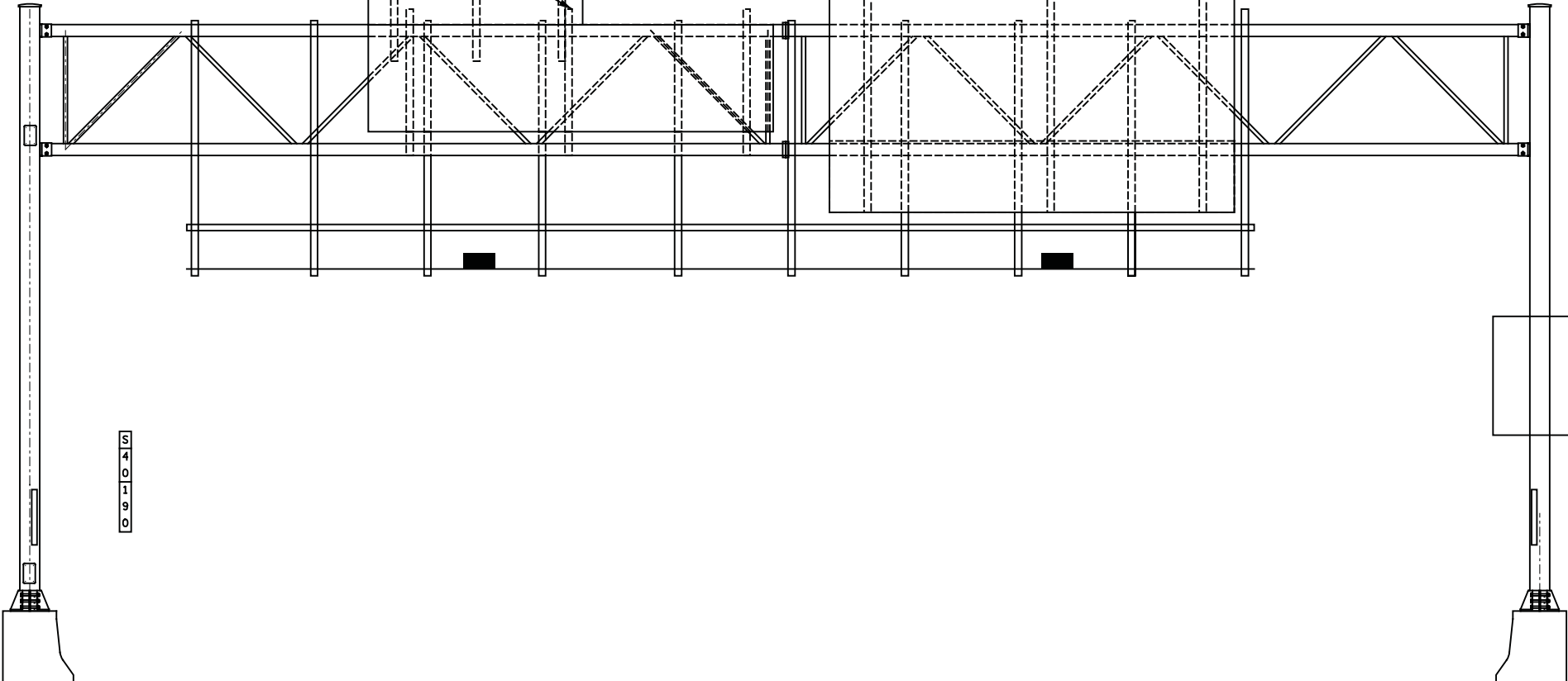
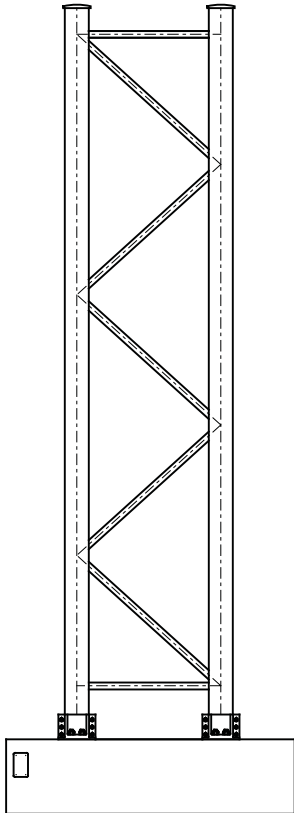


35 MPH



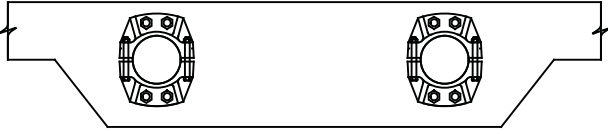
8 SIGN PANEL CONNECTORS WERE MISSING ON THE NORTH SIGN

26 SIGN PANEL CONNECTORS WERE MISSING ON THE SOUTH SIGN



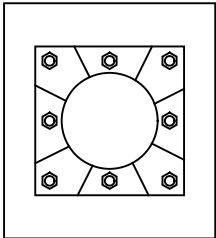
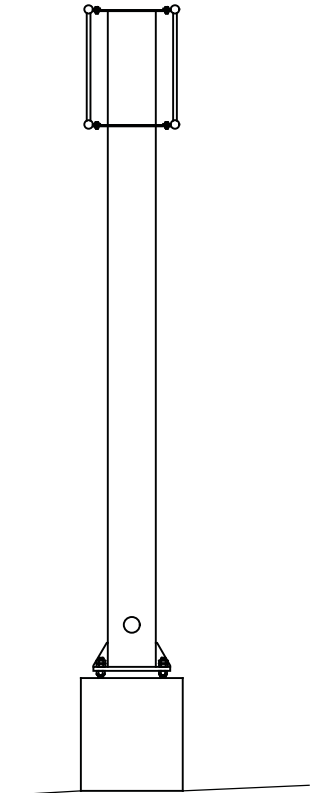
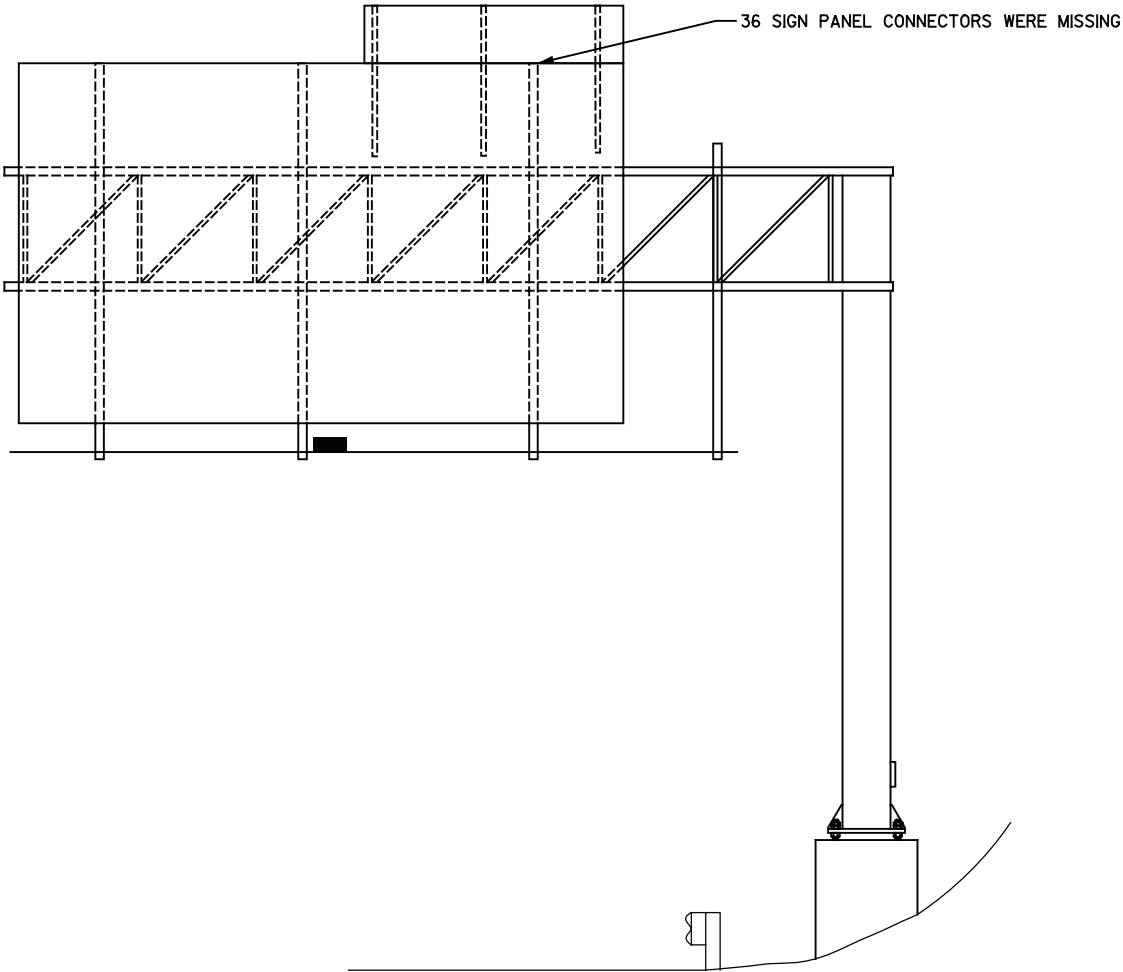
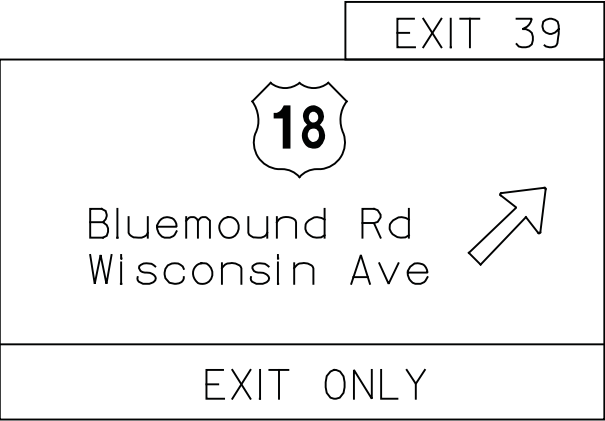
8

8



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	34 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-190			SHEET 24 OF 136



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	36 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-197			SHEET 25 OF 136



Hawley Rd

Mitchell Blvd

41

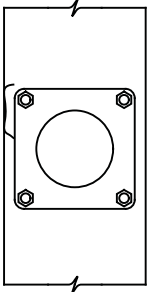
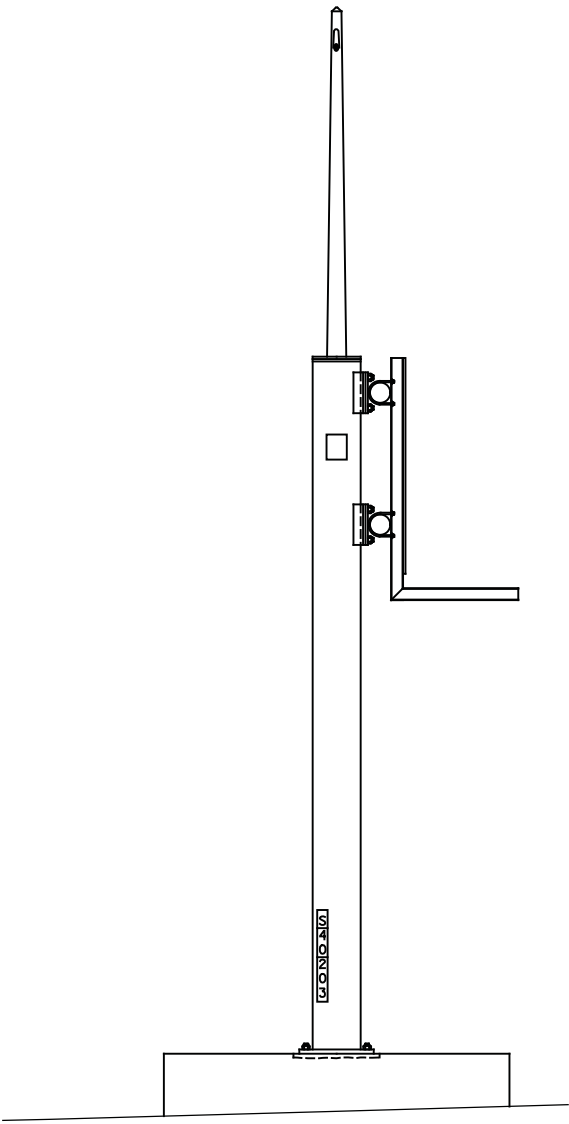
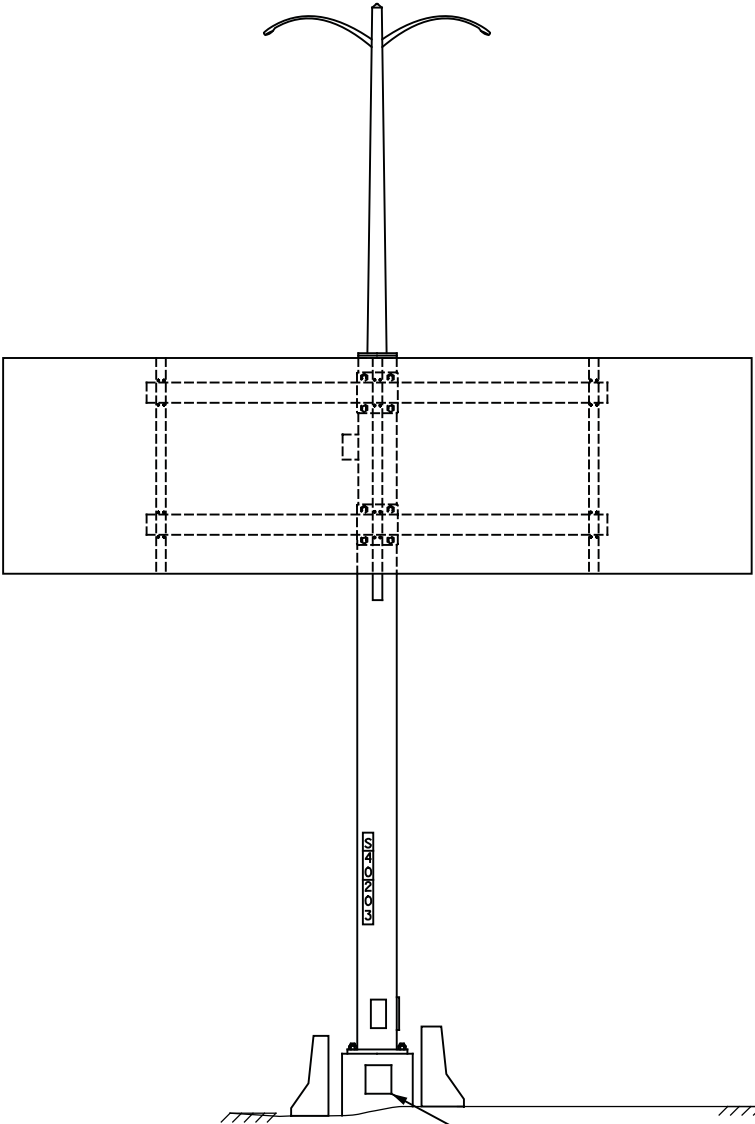
 - Miller Park Way

1/4

3/4

1 1/4

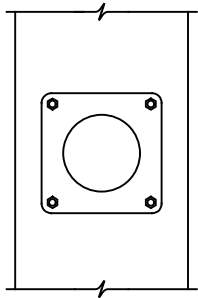
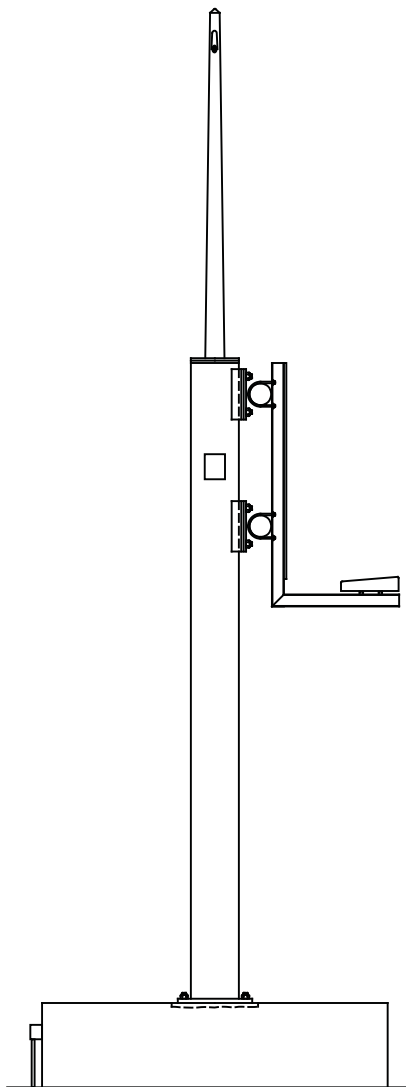
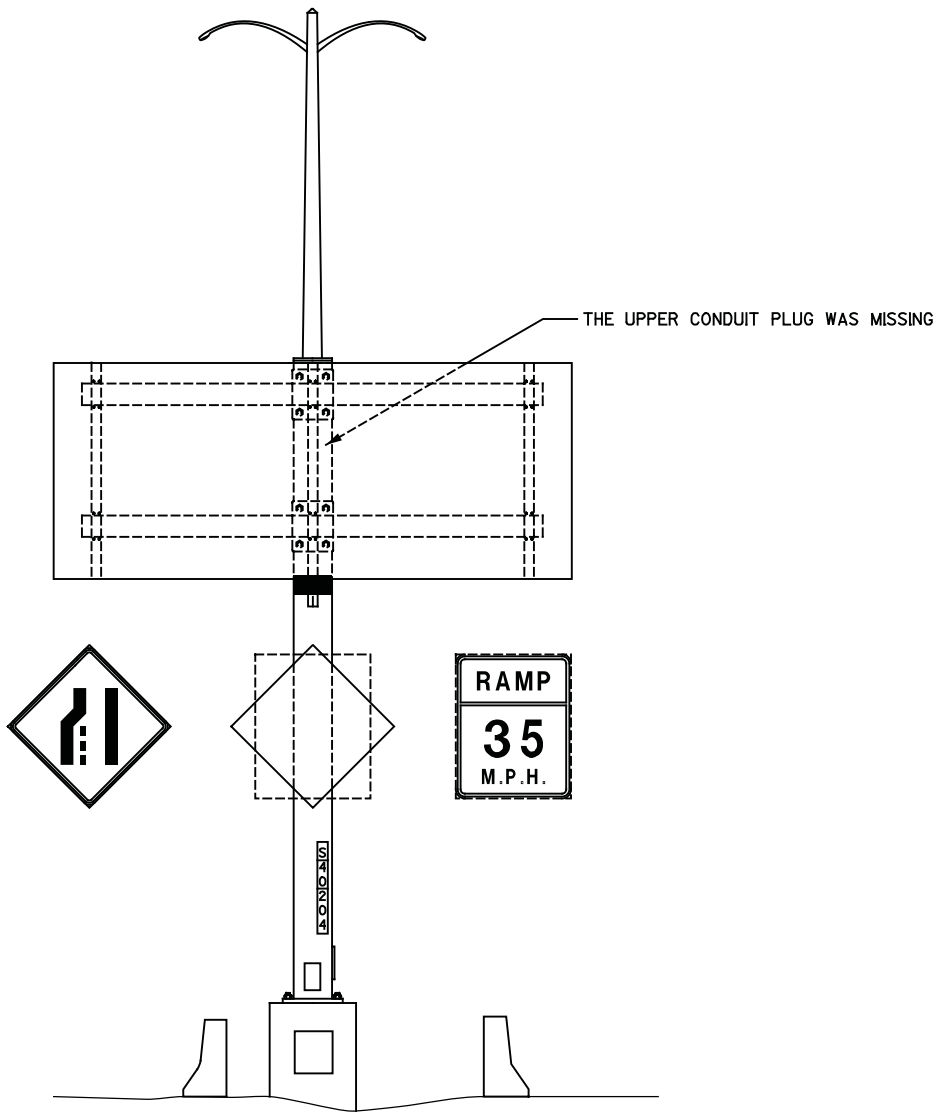
LEFT



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.15	SECURE JUNCTION BOX	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC. 2013		DRAWN BY DW	PLANS CK'D. VC
S-40-203			SHEET 26 OF 136

35 th Street	1/4
26 th Street	1
13 th Street	2



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.14	REPLACE MISSING CONDUIT PLUG	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-204			SHEET 27 OF 136

26 th Street 1/4

13 th Street 1

IN

43

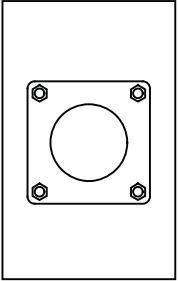
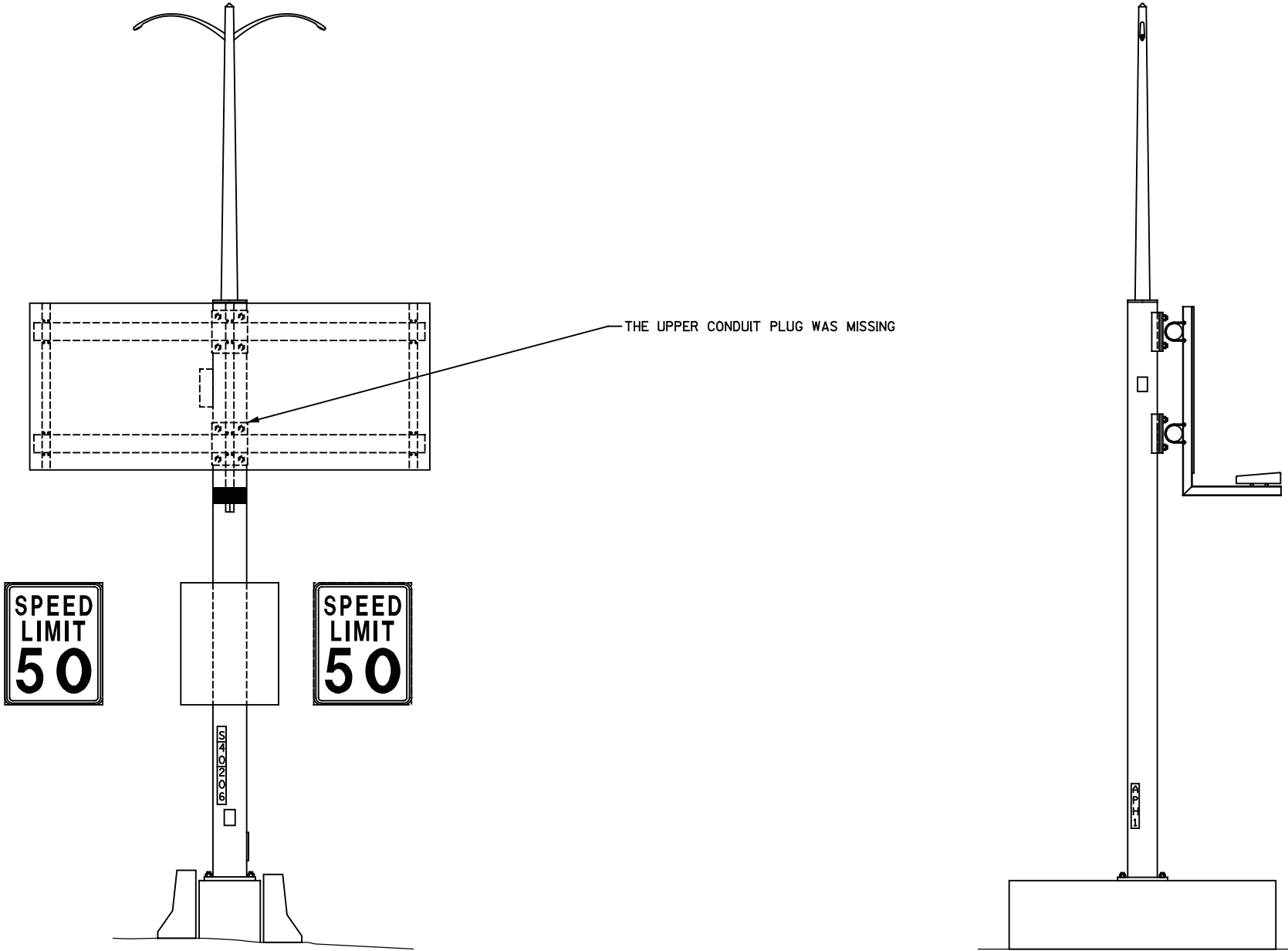
ST

IN

794

ST

1 1/4

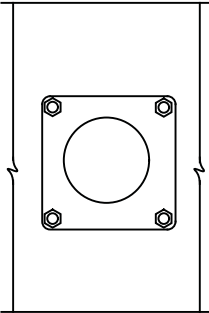
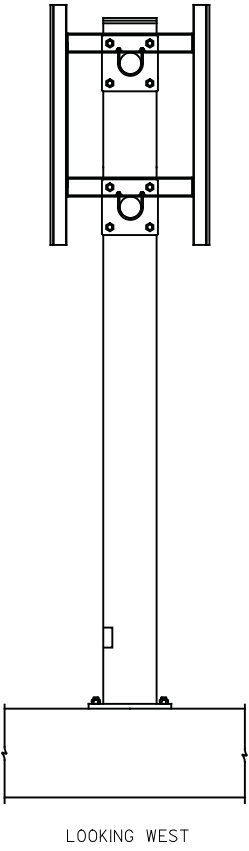
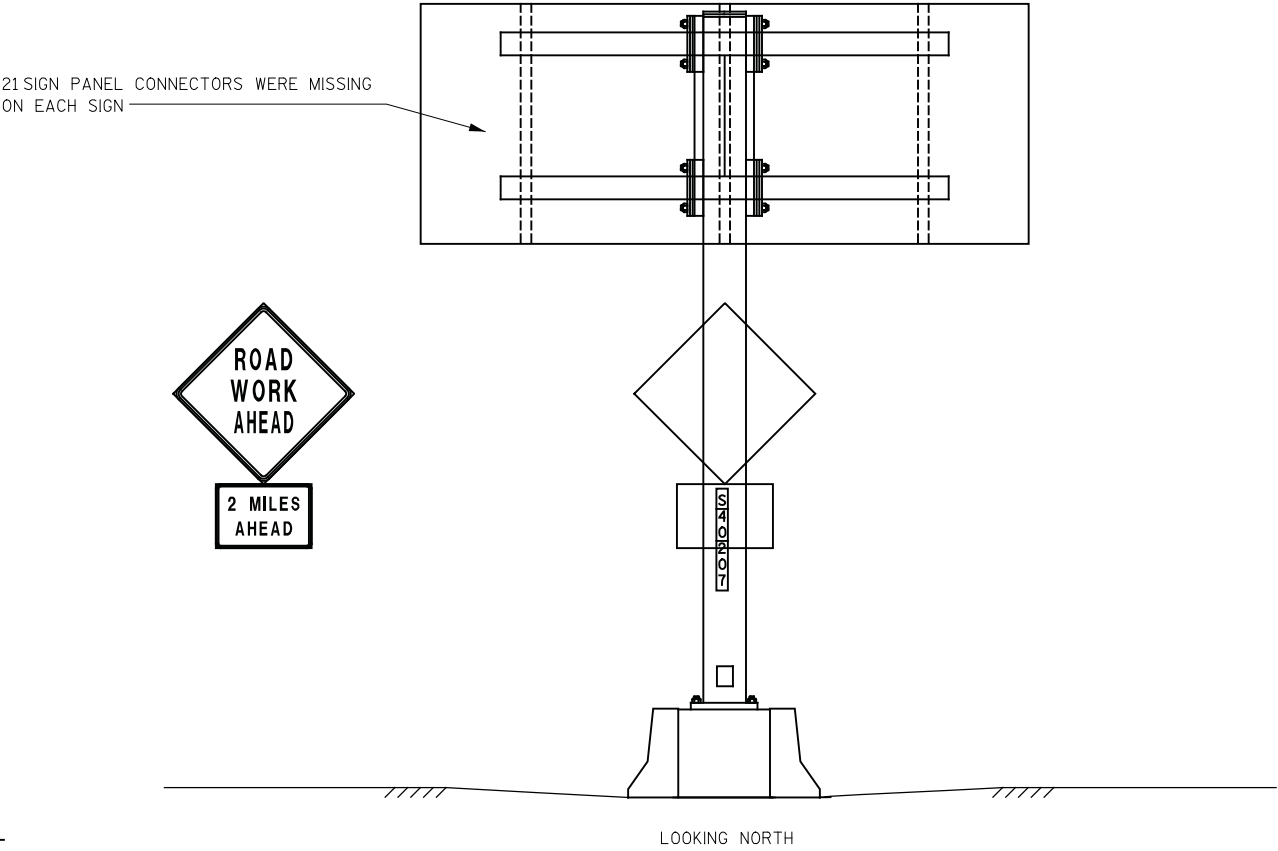


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.14	REPLACE MISSING CONDUIT PLUG	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-206			SHEET 28 OF 136

Ryan Rd	1 1/4
Seven Mile Rd	4 1/4
Hwy G	5 1/2

Rawson Ave	1 1/4
College Ave	2 1/4
Airport Exit	2 1/2



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	42 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-207			SHEET 29 OF 136

Greenfield Ave 1/4

INTERSTATE

94

WEST

LEFT

1

INTERSTATE

94

EAST

RIGHT

1

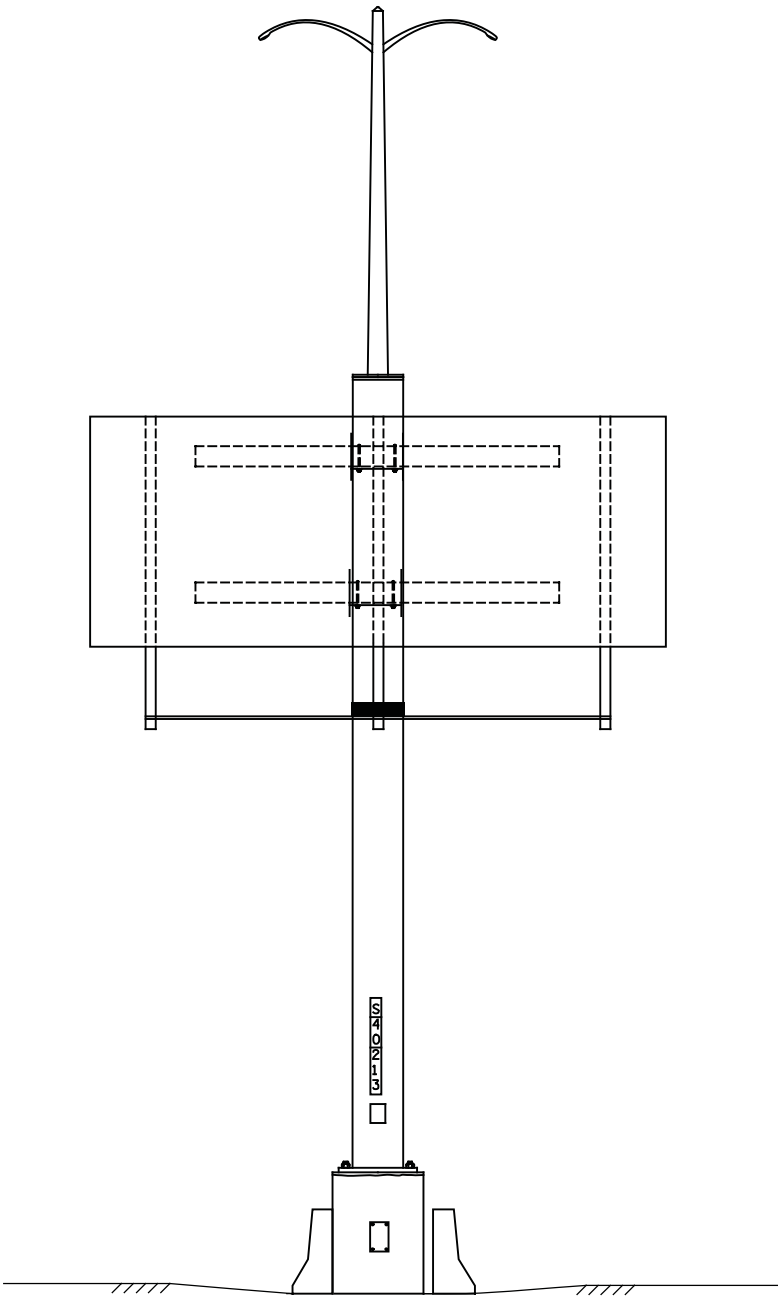
LOOKING NORTH

Lincoln Ave 1/4

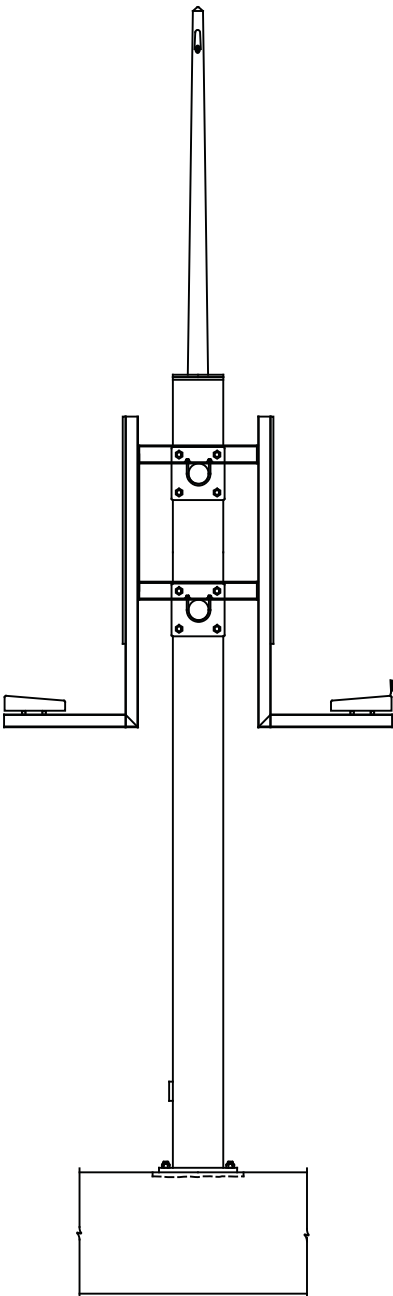
National Ave 1/2

Oklahoma Ave 1 1/4

LOOKING SOUTH

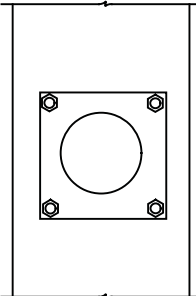


LOOKING NORTH



LOOKING WEST

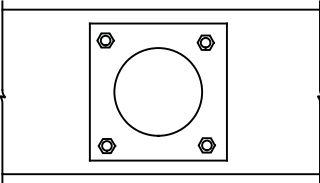
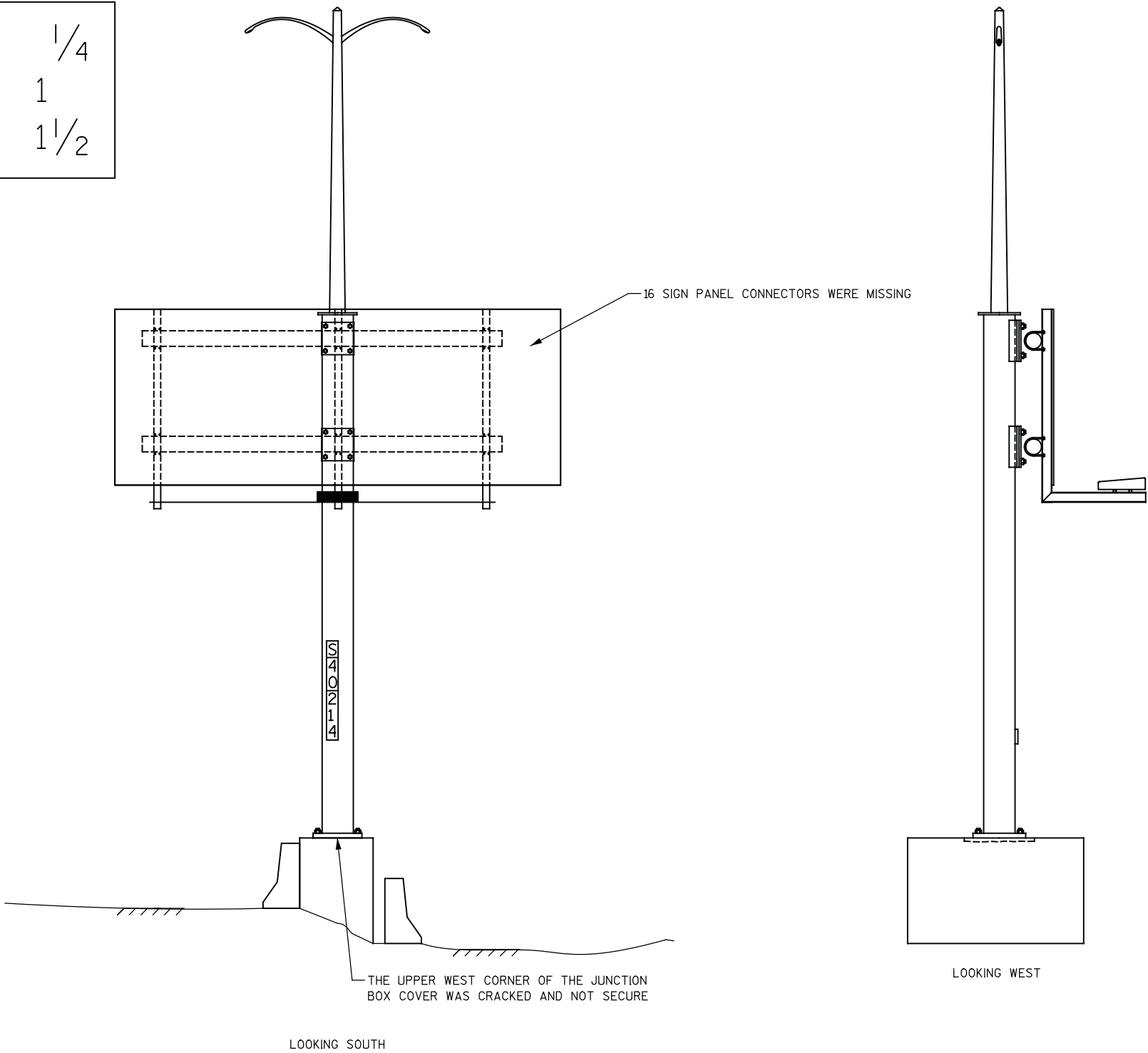
BOTH LUMINAIRE COVER  
BOLTS WERE SHEARED OFF  
OF THE NORTH LUMINAIRE



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.18	SECURE LUMINAIRE COVER	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-213			SHEET 30 OF 136

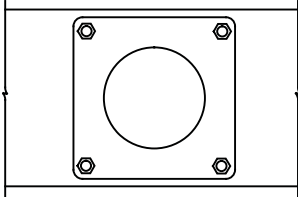
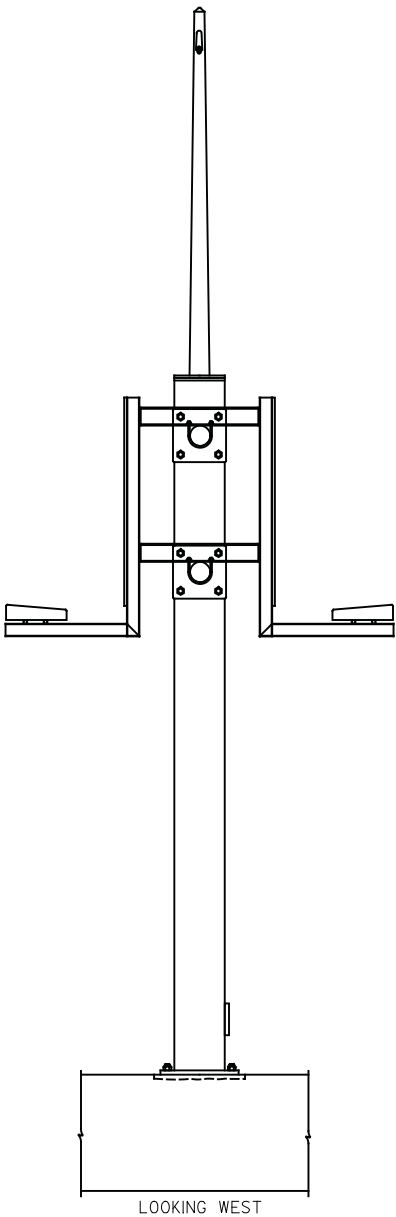
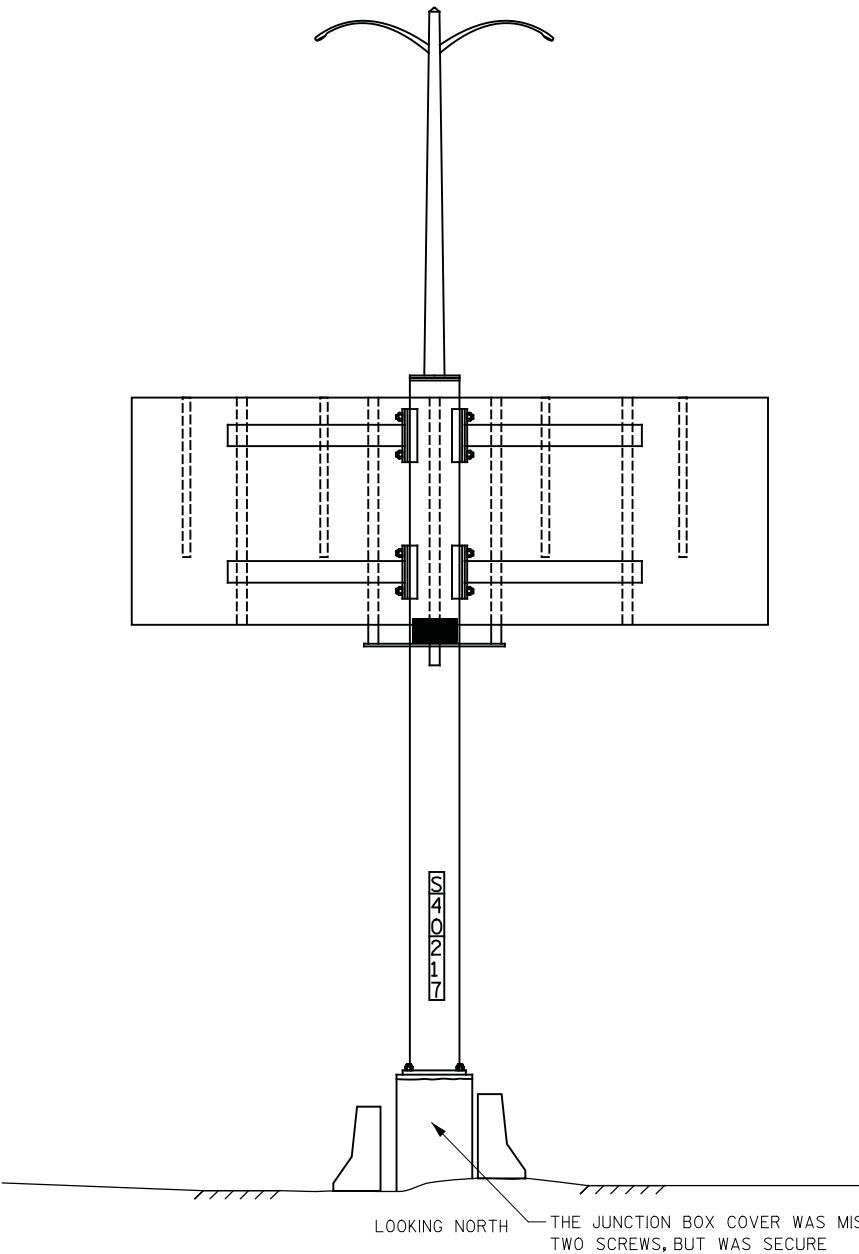
National Ave 1/4  
Oklahoma Ave 1  
Beloit Rd 1 1/2



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.07	REPLACE JUNCTION BOX COVER	1 EACH	SHEET 7
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	16 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-214			SHEET 31 OF 136

National Ave3/4  
Greenfield Ave2 1/4  
2 3/4



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.15	SECURE JUNCTION BOX	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-216			SHEET 32 OF 136

INTERSTATE

43

84th St

60th St

1/2

1 1/2

3

Beloit Rd

National Ave

Greenfield Ave

1/2

1 3/4

3

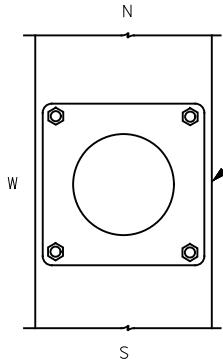
LOOKING SOUTH

LOOKING NORTH

21 SIGN PANEL CONNECTORS WERE MISSING ON THE NORTHBOUND SIGN

LOOKING NORTH

LOOKING WEST



THE FOUNDATION EXHIBITED RANDOM HAIRLINE TO 1/16" WIDE CRACKING THROUGHOUT, WITH AN AREA OF SECTION LOSS .4' WIDE BY 4" HIGH WITH 3" PENETRATION ON THE WEST FACE, AND 1' WIDE BY 4" HIGH WITH 2" PENETRATION ON THE EAST FACE (WORSE THAN 2008 INSPECTION)

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
509.1500	CONCRETE SURFACE REPAIR	3 SF	SHEET 1
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	21 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-217			SHEET 33 OF 136

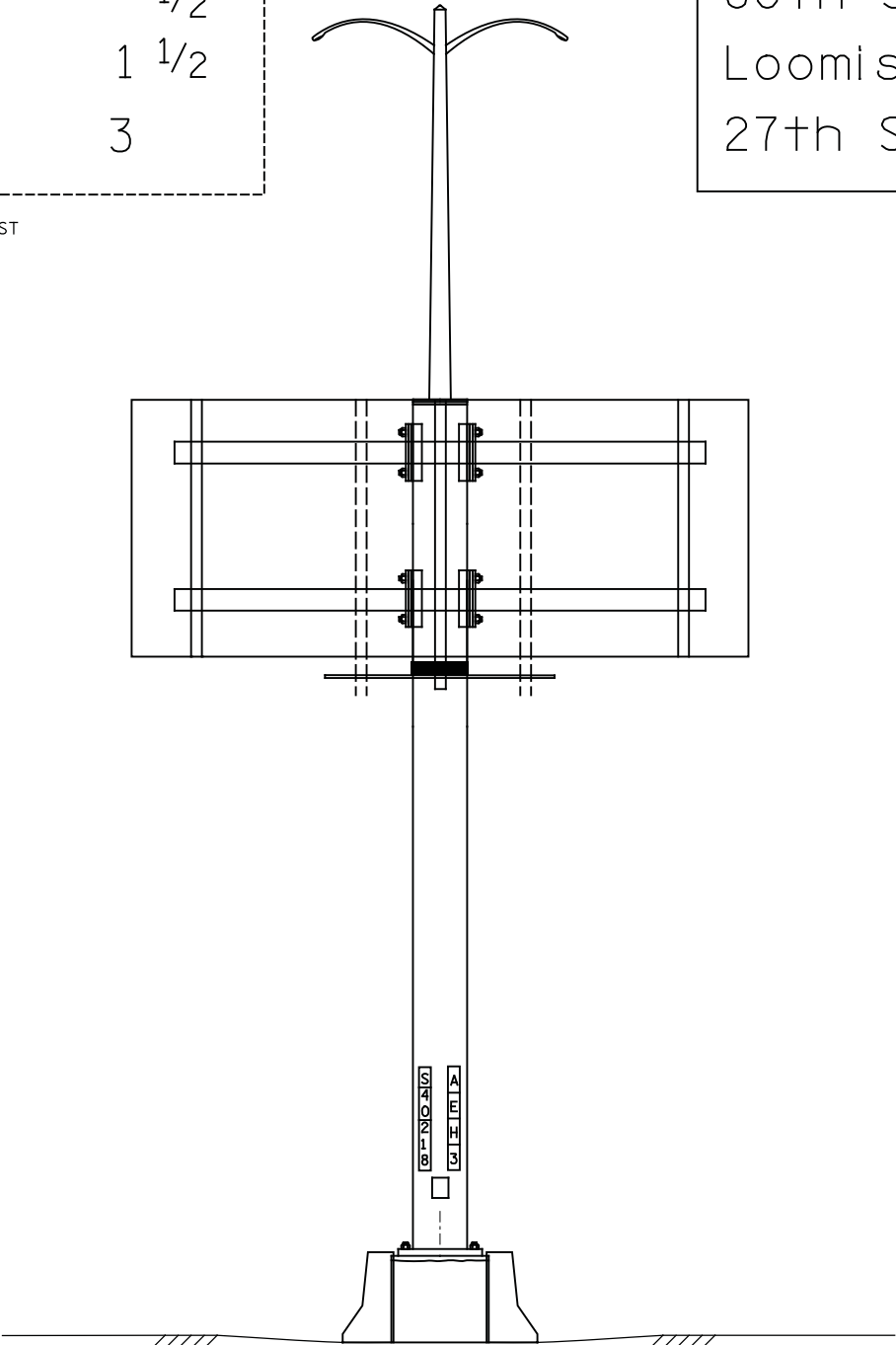


<div><div>45</div></div>	
Beloit Rd	1 1/2
National Ave	3

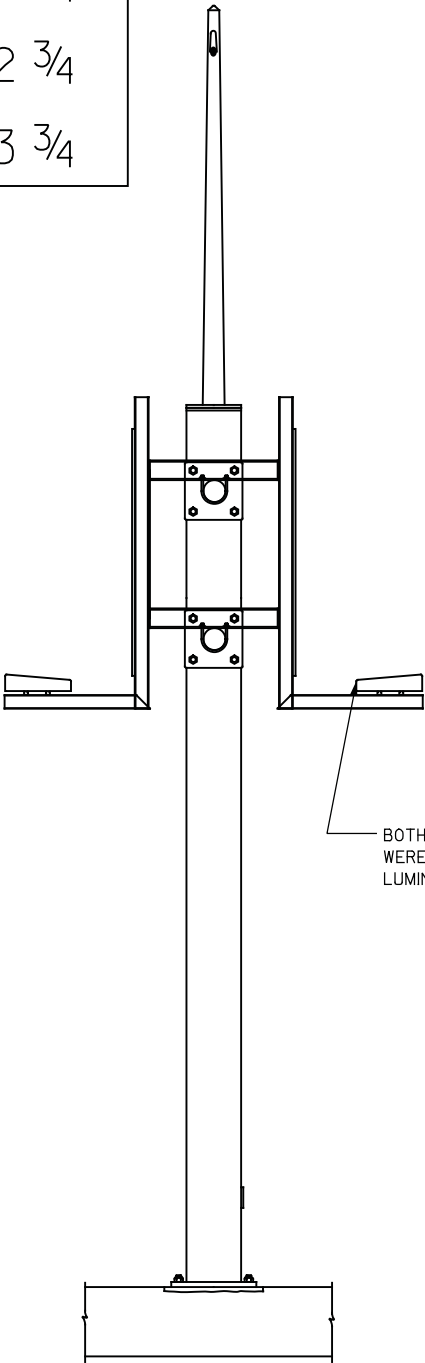
LOOKING WEST

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

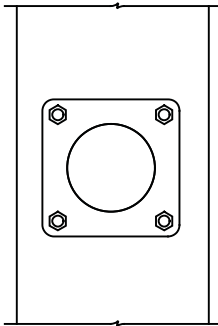
LOOKING EAST



LOOKING EAST



LOOKING NORTH



NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-218			SHEET 34 OF 136

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.18	SECURE LUMINAIRE COVER	2 EACH	SHEET 7

Forest Home Ave 1/4

43

INTERSTATE

LEFT LANE

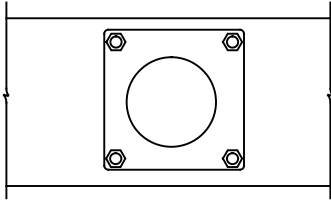
1 1/2

Beloit Rd 2 1/2

BOTH LUMINAIRE COVER BOLTS WERE SHEARED OFF

LOOKING WEST

LOOKING NORTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.18	SECURE LUMINAIRE COVER	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-219			SHEET 35 OF 136

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

21 SIGN PANEL CONNECTORS WERE MISSING

THE SOUTHEAST CORNER OF THE THE FOUNDATION  
EXHIBITED SECTION LOSS, 2' WIDE BY 1' LONG  
WITH 3" MAXIMUM PENETRATION

THE NORTH SIDE OF THE FOUNDATION  
EXHIBITED SECTION LOSS, 1' WIDE BY  
12' LONG WITH 3" MAXIMUM PENETRATION

THE SOUTH PARAPET WALL EXHIBITED SECTION  
LOSS 2' LONG BY 1' WIDE WITH 6" MAXIMUM  
PENETRATION

LOOKING EAST

LOOKING SOUTH

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
509.1500	CONCRETE SURFACE REPAIR	3 SF	SHEET 1
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	21 EACH	SHEET 5

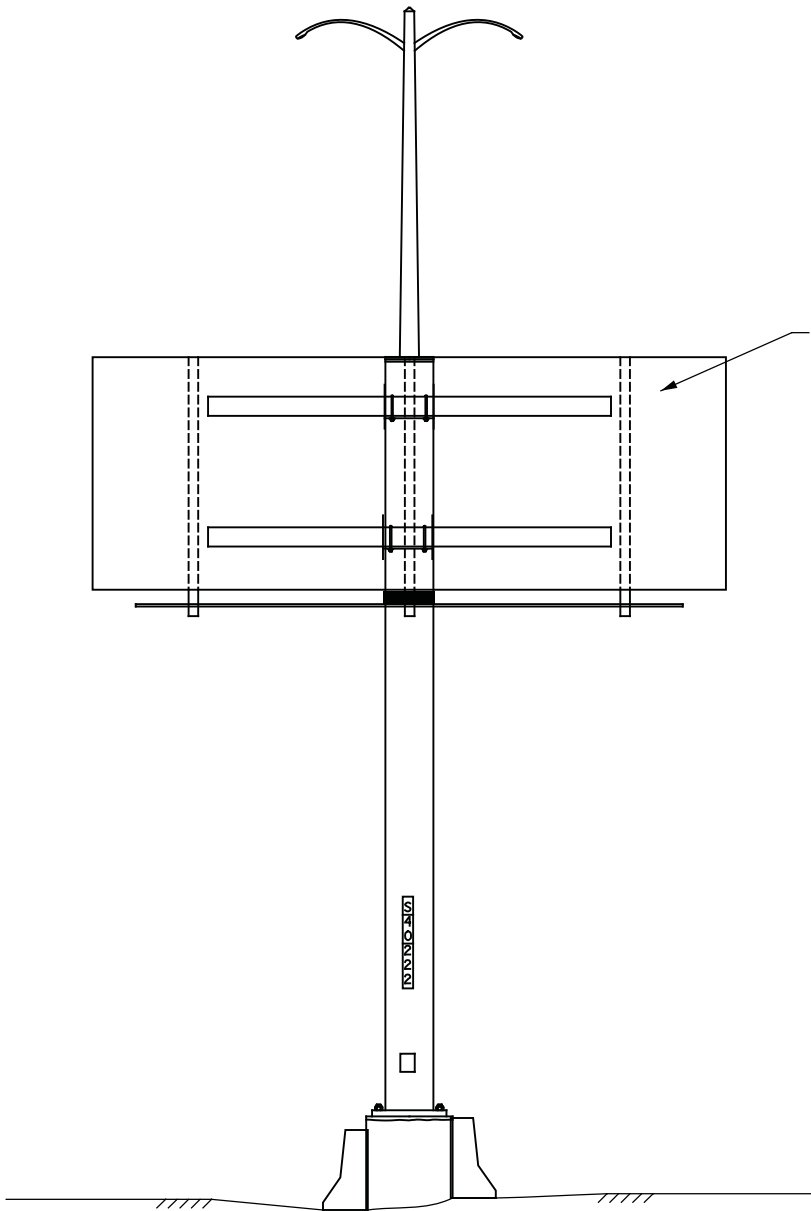
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-220			SHEET 36 OF 136

60th St	1/4
76th St	1 1/4
Forest Home Ave	1 3/4

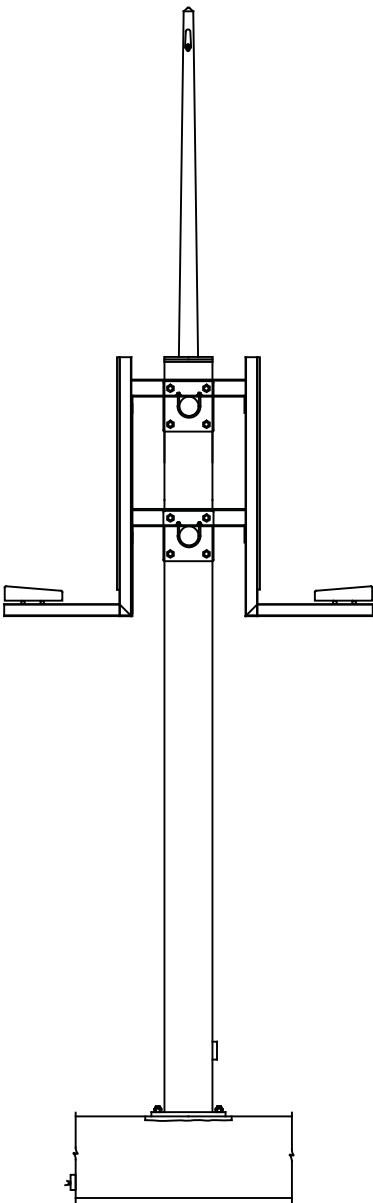
LOOKING WEST

	Loomis Rd	1/4
	27th Street	1 1/4
		1 1/2

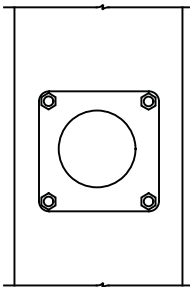
LOOKING EAST



LOOKING EAST



LOOKING NORTH

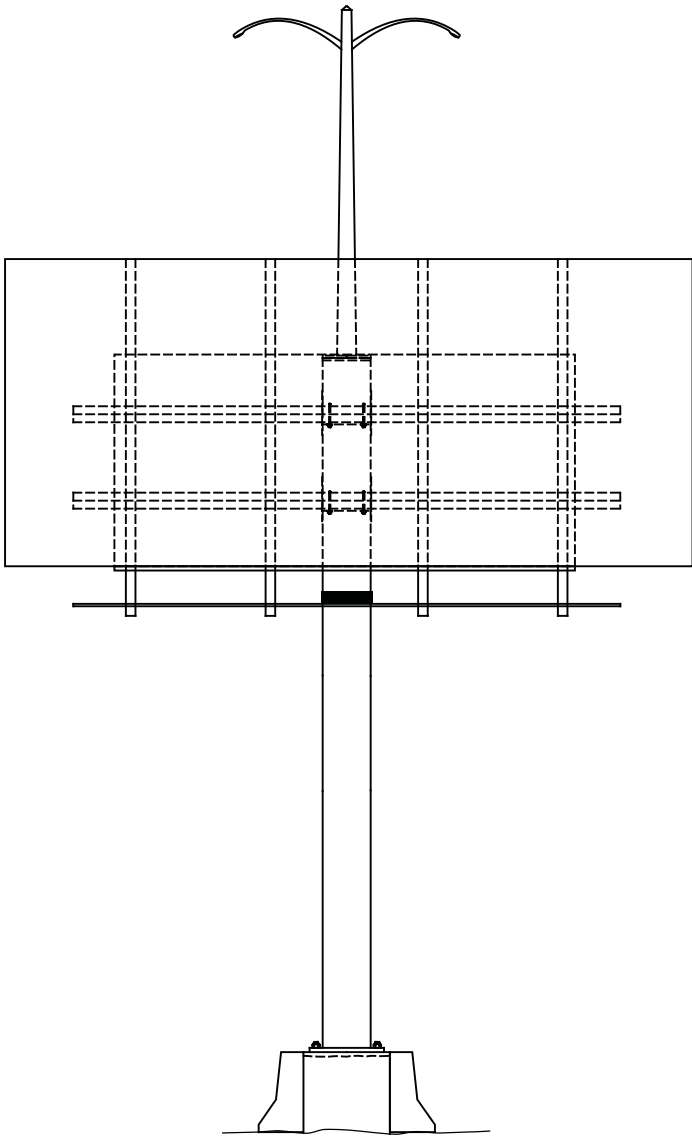


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	28 EACH	SHEET 5

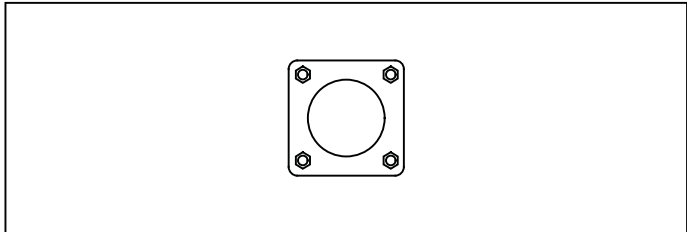
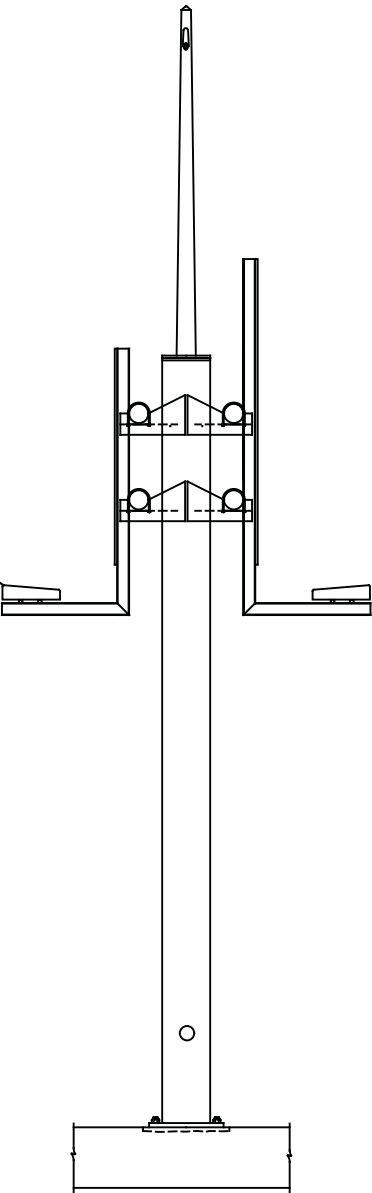
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-222			SHEET 37 OF 136

Locust St	1/2
Keefe Ave	1 1/4
Capitol Dr	1 3/4

Downtown Exits	
McKinley Ave	1/2
Highland - 11th St	1
 Plankinton Ave	1 1/2



THE LENS COVER WAS CRACKED ON THE  
NORTHBOUND LUMINAIRE



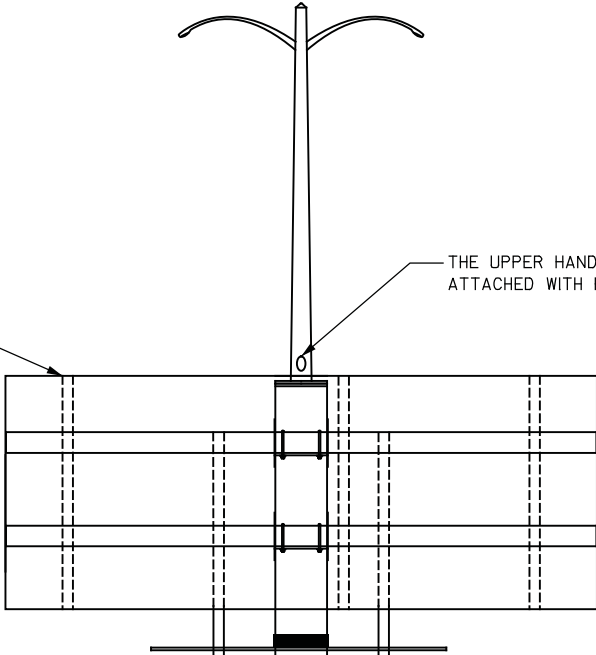
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.17	REPLACE LUMINAIRE LENS	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-224			SHEET 38 OF 136

Keefe Ave	1/4
Capitol Dr	1
Hampton Ave	2

23 SIGN PANEL CONNECTORS WERE MISSING

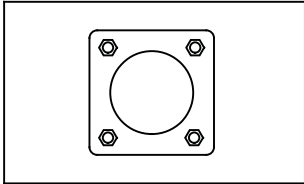
THE UPPER HANDHOLE COVER WAS ATTACHED WITH ELECTRICAL TAPE



LOOKING NORTH



LOOKING WEST



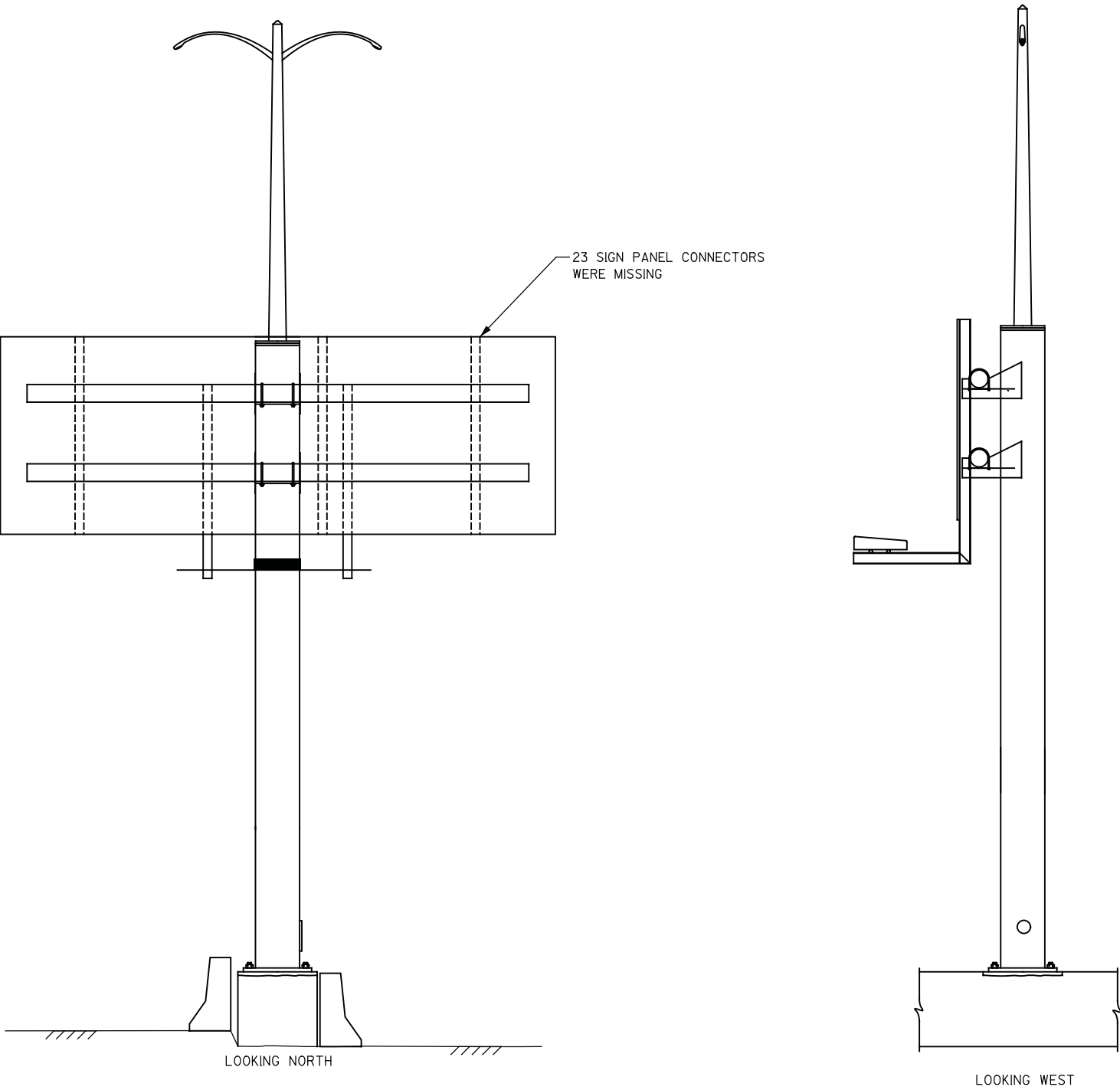
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	23 EACH	SHEET 5
SPV.0060.19	TIGHTEN/REPLACE HANDHOLE COVER BOLT	2 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-226			SHEET 39 OF 136

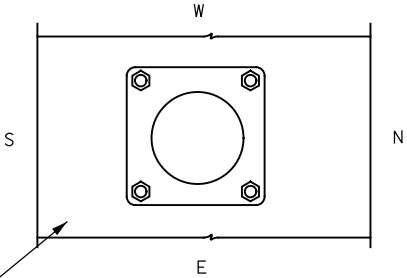
Capitol Dr1/4

Hampton Ave1 1/4

Silver Spring Dr2



THE TOP SOUTHEAST CORNER OF THE FOUNDATION EXHIBITED AN AREA OF SECTION LOSS AND DELAMINATION, 2'-6" LONG BY 1' WIDE WITH 2" OF PENETRATION (SAME AS 2008 INSPECTION, REPAIR HAS FAILED)



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
509.1500	CONCRETE SURFACE REPAIR	3 SF	SHEET 1
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	23 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-227			SHEET 40 OF 136

Atkinson Ave1/4

Locust St1

North Ave1 3/4

6 SIGN PANEL CONNECTORS WERE MISSING ON THE EAST WINDBEAM

THE UPPER HANDHOLE COVER WAS MISSING

THE 2 EAST CONNECTION BOLTS FOR THE UPPER LIGHT POLE WERE LOOSE

7 SIGN PANEL CONNECTORS WERE MISSING ON THE MIDDLE WINDBEAM

6 SIGN PANEL CONNECTORS WERE MISSING ON THE EAST WINDBEAM

THE NORTHEAST AND SOUTHWEST CORNERS OF THE FOUNDATION EXHIBITED 3' LONG BY 18" HIGH BY 1" DEEP AREAS OF SECTION LOSS AND DELAMINATION EXPOSING REINFORCING STEEL AT THE SOUTHWEST CORNER

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
509.1500	CONCRETE SURFACE REPAIR	4.5 SF	SHEET 1
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	19 EACH	SHEET 5
SPV.0060.30	REPLACE MISSING HANDHOLE COVER	1 EACH	SHEET 7
SPV.0060.31	TIGHTEN LIGHT POLE CONNECTION BOLT	2 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-228			SHEET 41 OF 136

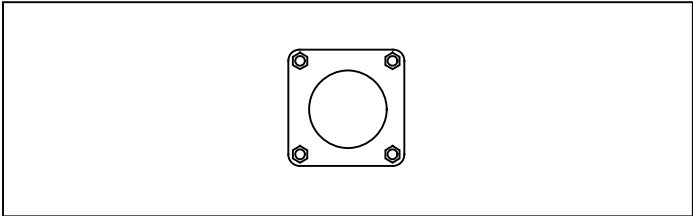
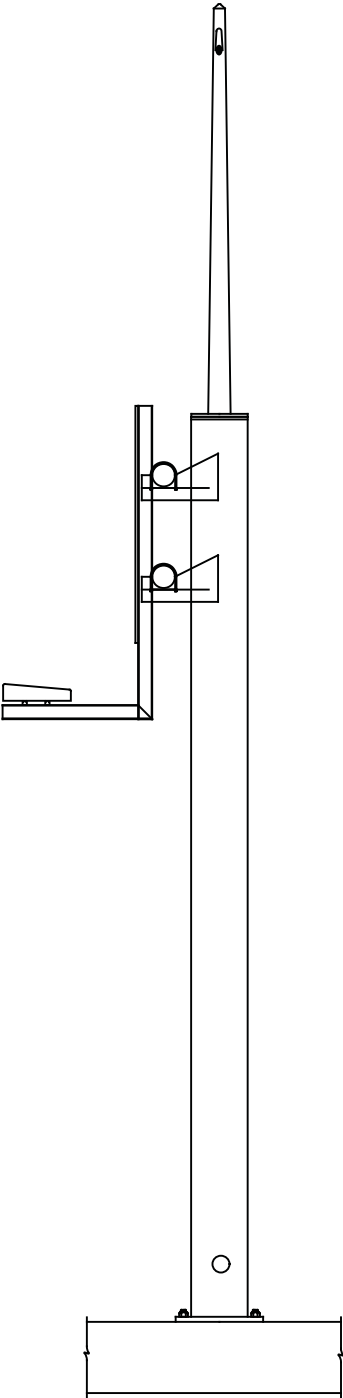
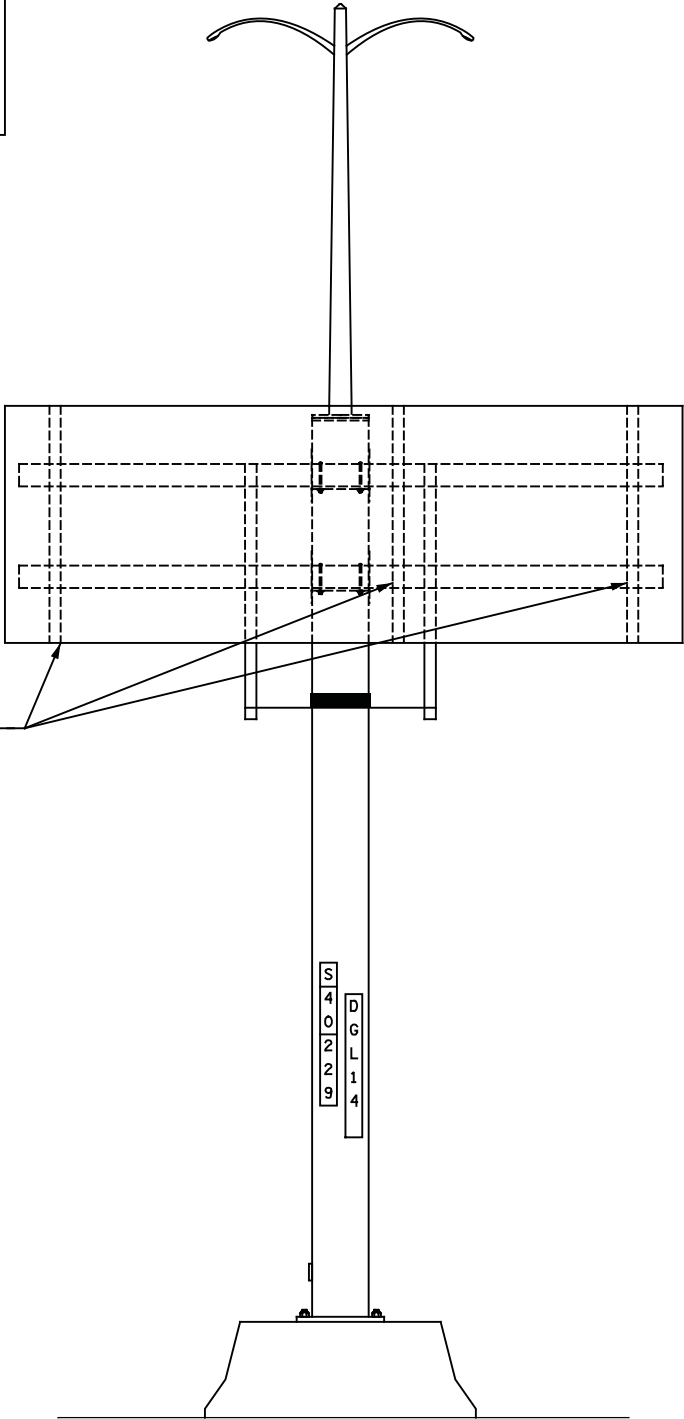


Silver Spring Dr     1/4

Good Hope Rd        2 1/2

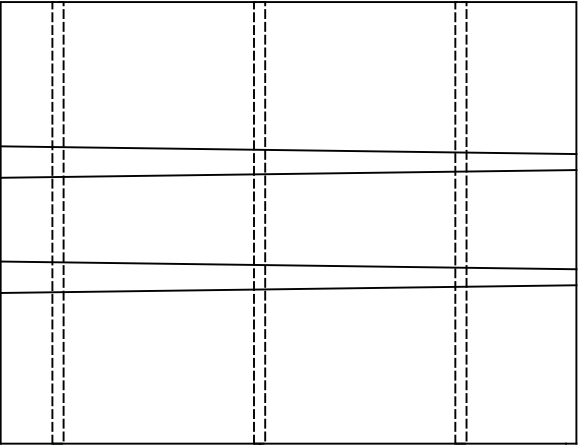
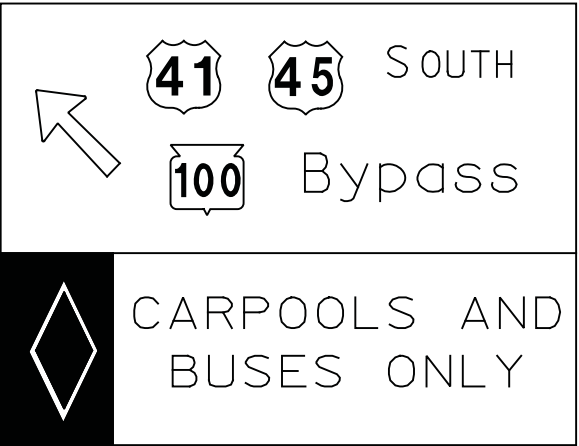
Brown Deer Rd        4 1/2

7 SIGN PANEL CONNECTORS WERE MISSING  
ON EACH WINDBEAM

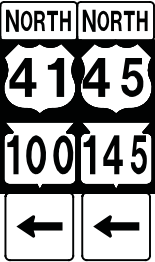


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	21 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-229			SHEET 42 OF 136



33 OF 78 SIGN PANEL  
CONNECTORS WERE MISSING

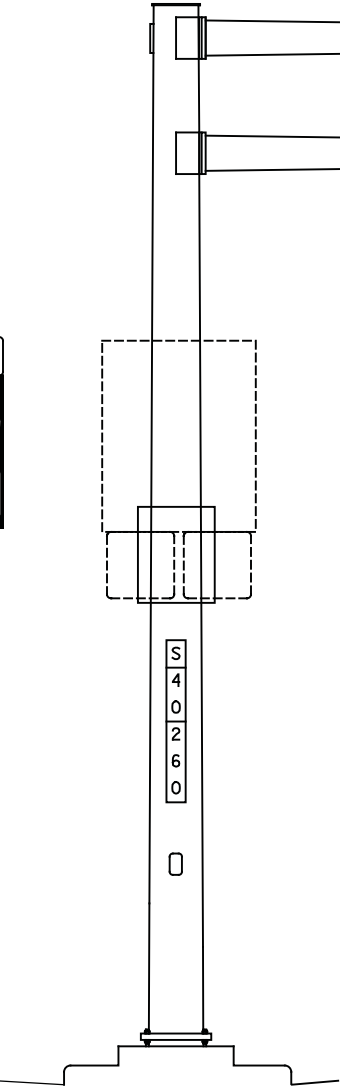
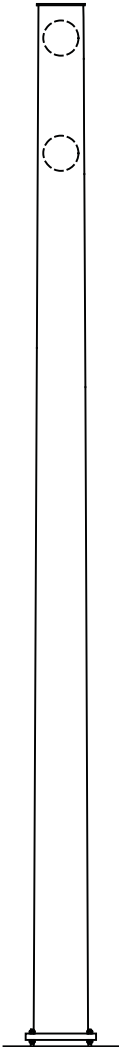
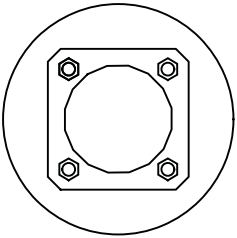


S  
4  
0  
2  
6  
0

0

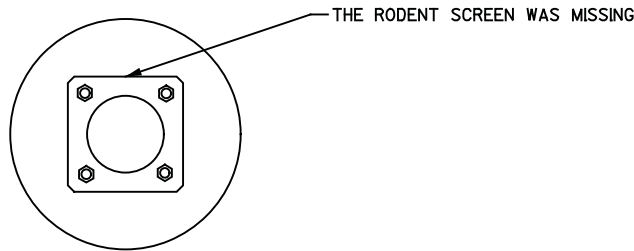
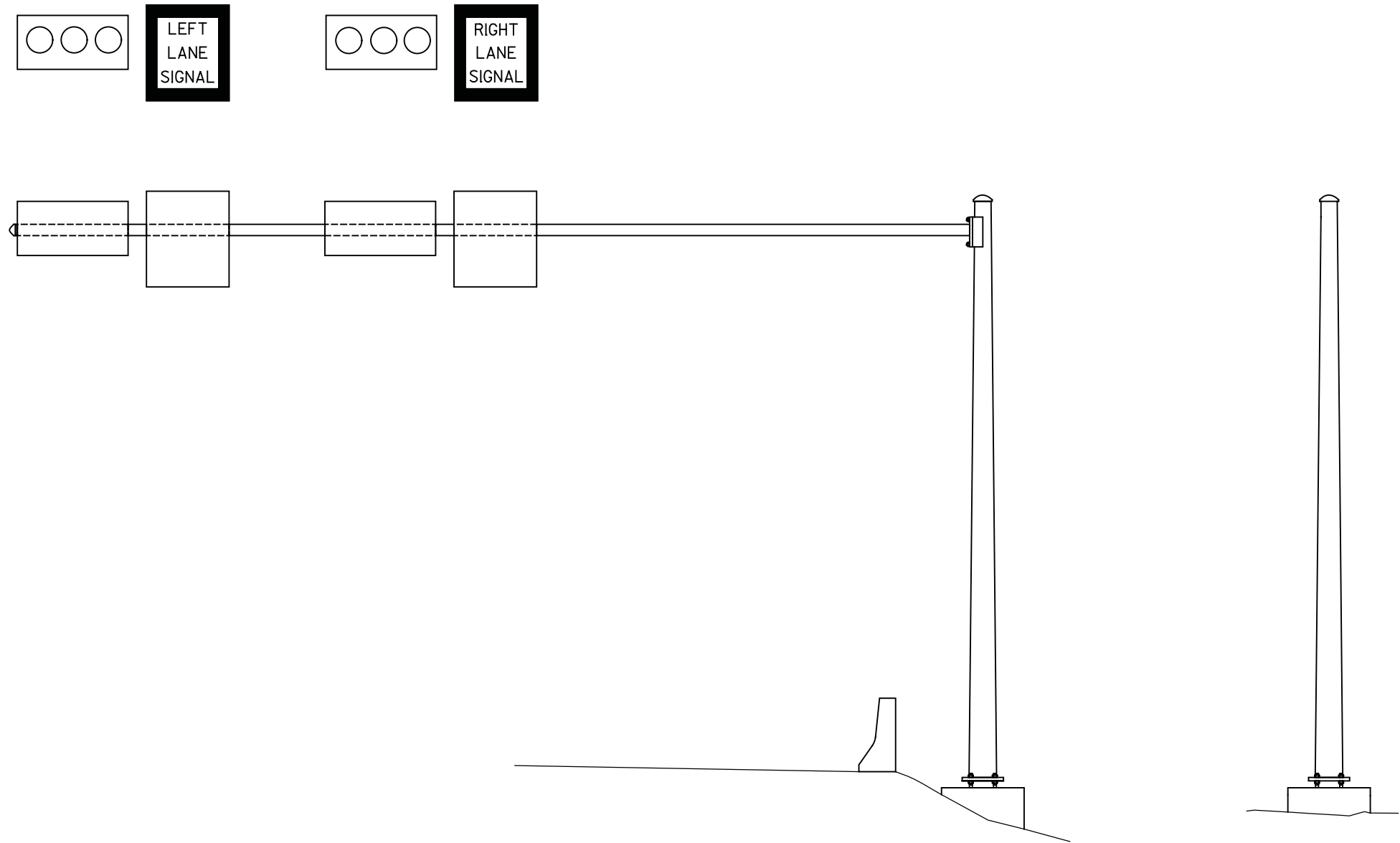
LOOKING WEST

LOOKING NORTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	33 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-260			SHEET 43 OF 136



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-272			SHEET 44 OF 136

LEFT  
LANE  
SIGNAL



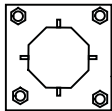
CENTER  
LANE  
SIGNAL



THE SIGN WAS MISLABELED S-40-274,  
IT SHOULD READ S-40-273

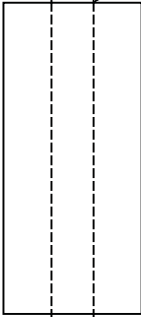
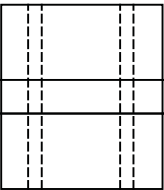
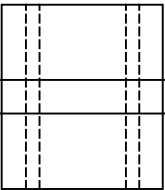
S  
4  
0  
2  
7  
4

THE RODENT SCREEN WAS MISSING



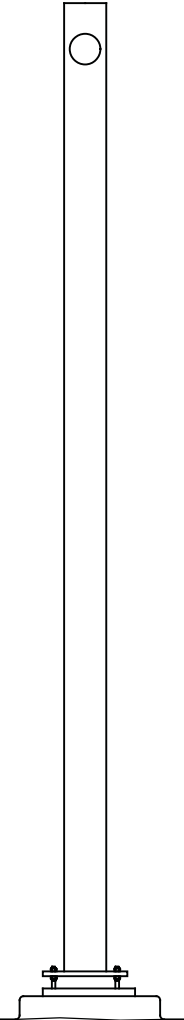
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.11	REPLACE SIGN BRIDGE ID PLAQUE	1 EACH	SHEET 5
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-273			SHEET 45 OF 136

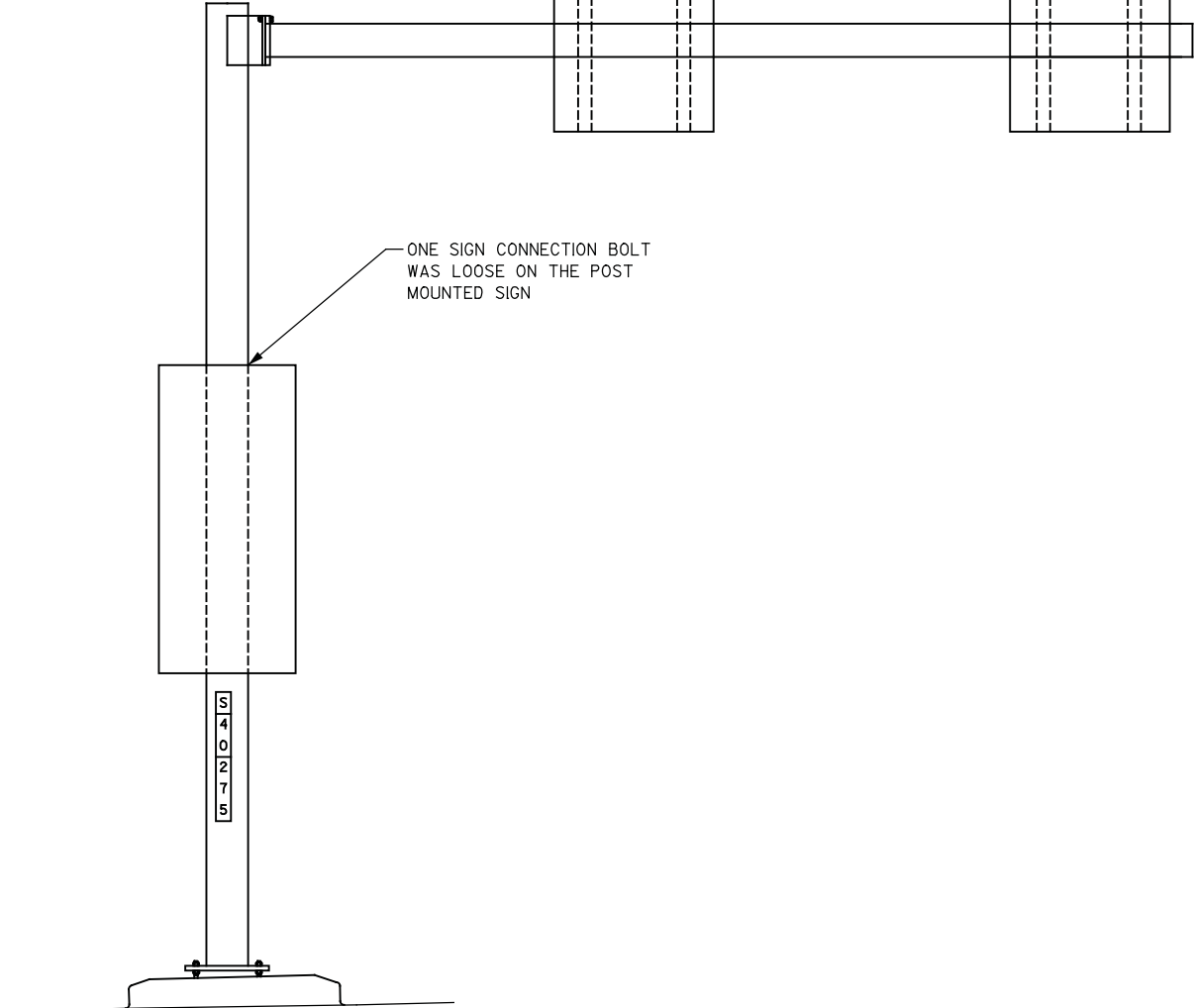


S  
4  
0  
2  
7  
5

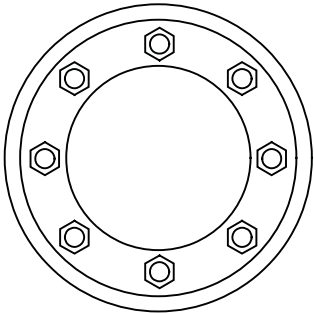
ONE SIGN CONNECTION BOLT  
WAS LOOSE ON THE POST  
MOUNTED SIGN



LOOKING NORTH



LOOKING WEST



8

8

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.05	TIGHTEN LOOSE U BOLT	1 EACH	SHEET 3

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-275			SHEET 46 OF 136

SOUTH

INTERSTATE

43

TO

INTERSTATE

94

Chicago  
Madison  
2 LEFT LANES

145

NORTH

Fon Du Lac  
Avenue  
AHEAD

INTERSTATE

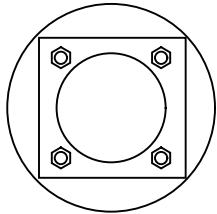
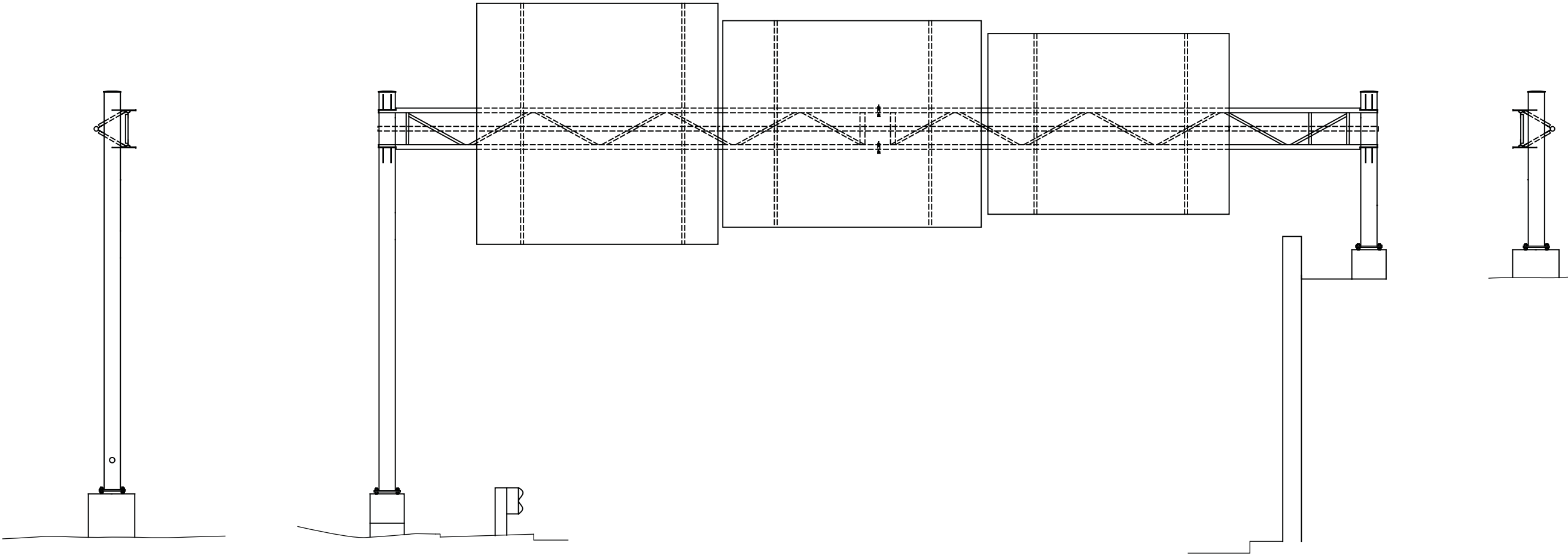
43

NORTH

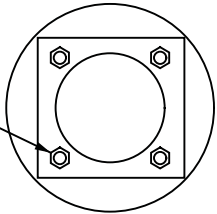
Green Bay

↓

 ONLY



THE SOUTHEAST LEVELING NUT  
ON THE NORTH FOUNDATION EXHIBITED  
A 1/4" GAP BETWEEN THE NUT AND THE  
BASE PLATE



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.23	TIGHTEN LEVELING NUT	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-285			SHEET 47 OF 136

GENERAL NOTES

THE WEST SIGN WAS MISSING

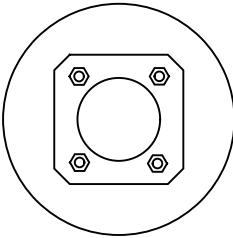


NEW 42" X 48" TYPE II SIGN R3-5L



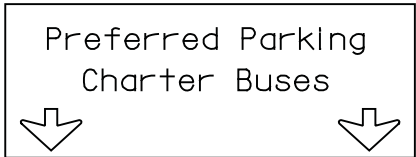
LOOKING EAST

LOOKING NORTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
637.0202	SIGNS REFLECTIVE TYPE II	14 SF	SHEET 1
SPV.0060.06	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	1 EACH	SHEET 5

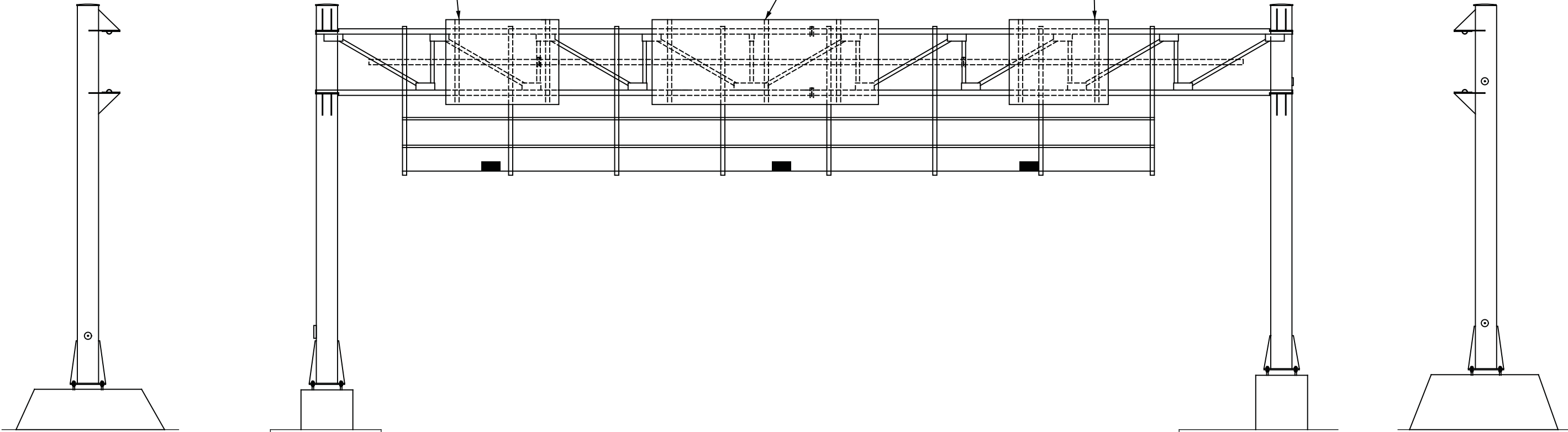
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-288			SHEET 48 OF 136



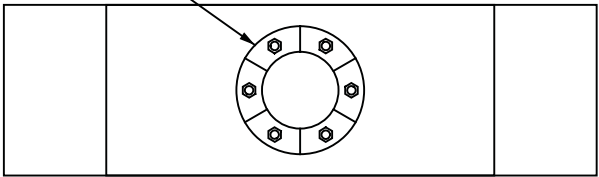
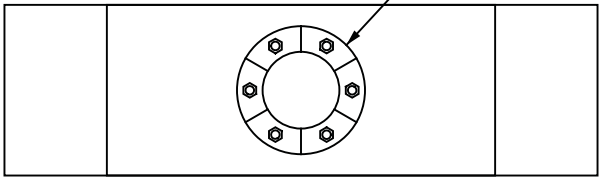
10 SIGN PANEL CONNECTORS  
WERE MISSING ON THE WEST SIGN

15 SIGN PANEL CONNECTORS  
WERE MISSING ON THE MIDDLE SIGN

10 SIGN PANEL CONNECTORS  
WERE MISSING ON THE EAST SIGN



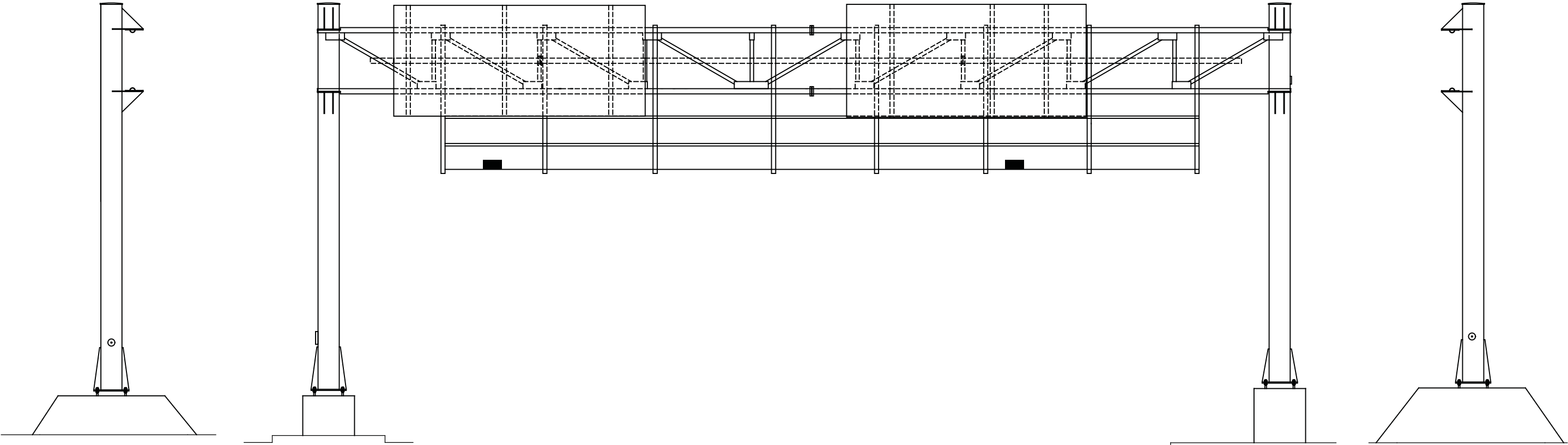
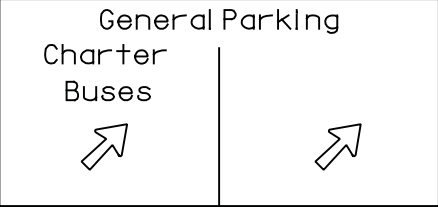
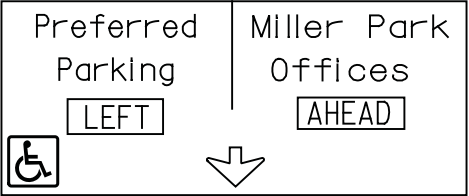
THE RODENT SCREENS WERE MISSING ON  
BOTH FOUNDATIONS



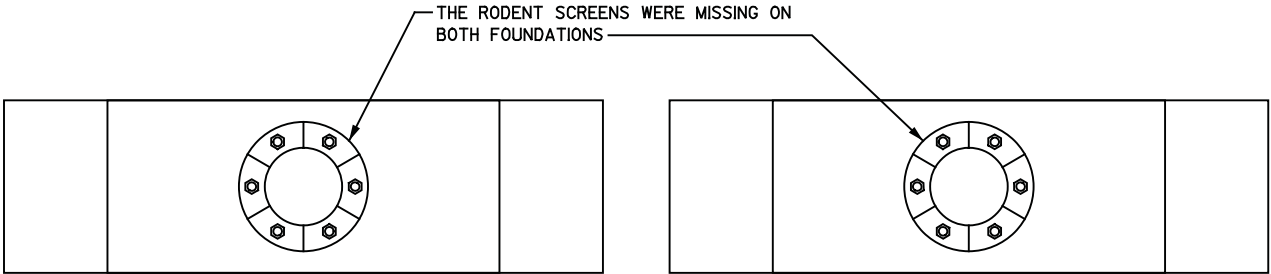
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	2 EACH	SHEET 5
SPV.0060.22	REPLACE RODENT SCREEN	35 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-321			SHEET 49 OF 136





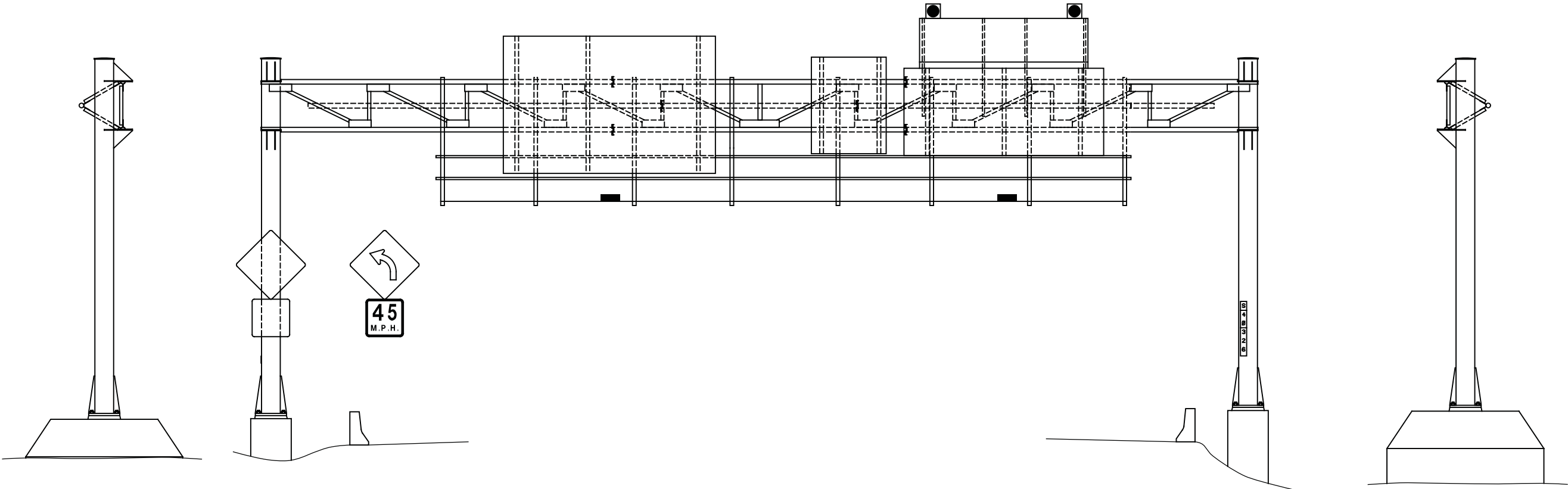
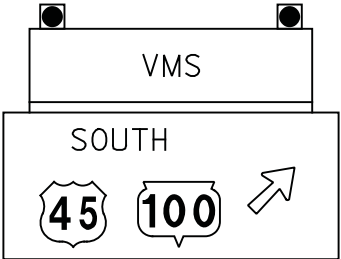
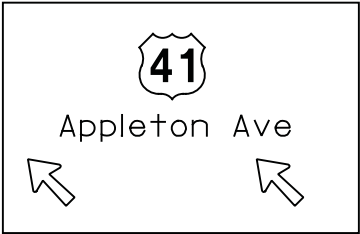
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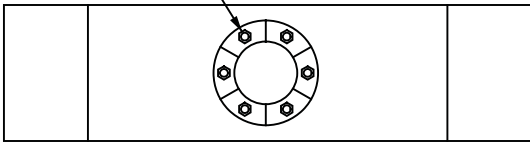
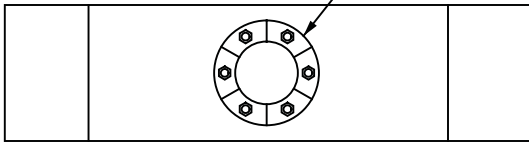
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ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	2 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-322			SHEET 50 OF 136

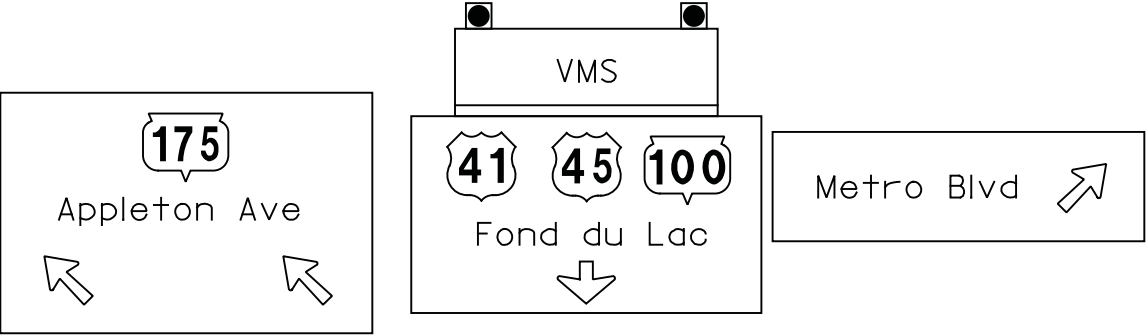


THE RODENT SCREENS WERE MISSING ON BOTH FOUNDATIONS



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	2 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-326			SHEET 51 OF 136

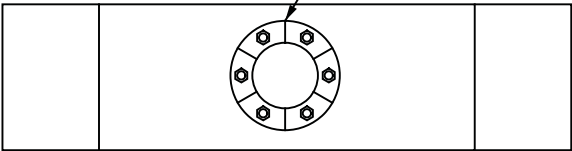
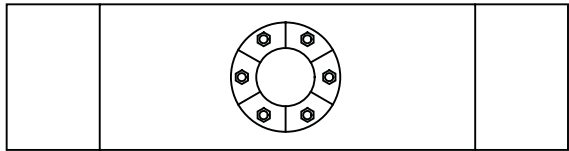


30 SIGN PANEL CONNECTORS WERE MISSING ON THE WEST SIGN

12 SIGN PANEL CONNECTORS WERE MISSING ON THE EAST SIGN

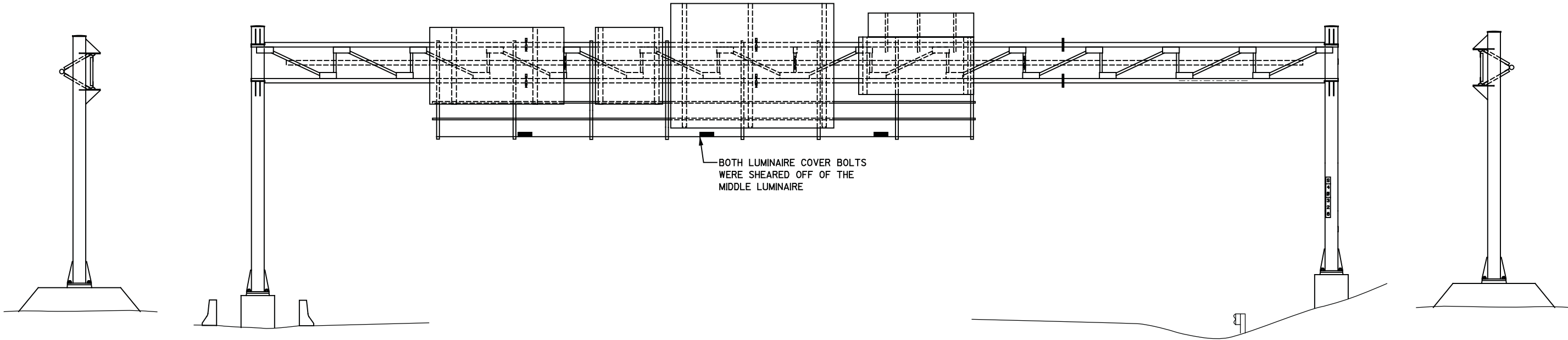
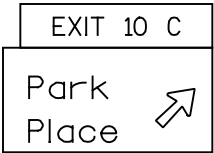
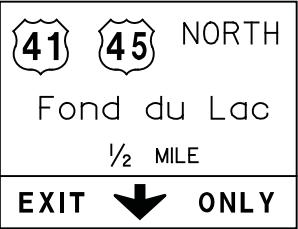
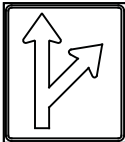
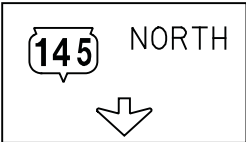


THE RODENT SCREEN WAS MISSING ON THE EAST FOUNDATION

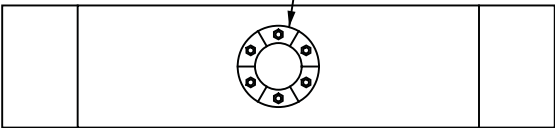
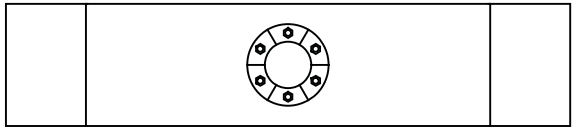


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	1 EACH	SHEET 5
SPV.0060.22	REPLACE RODENT SCREEN	42 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-327			SHEET 52 OF 136

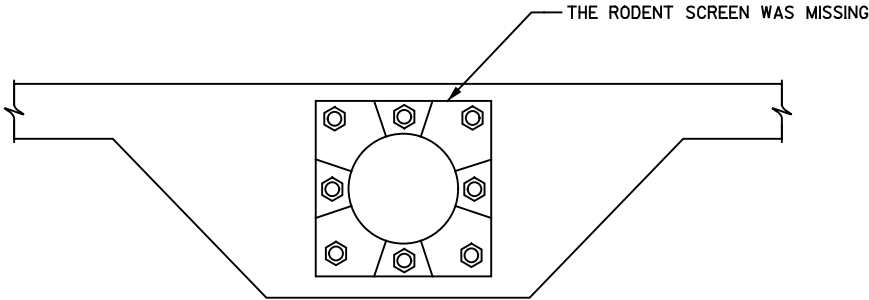
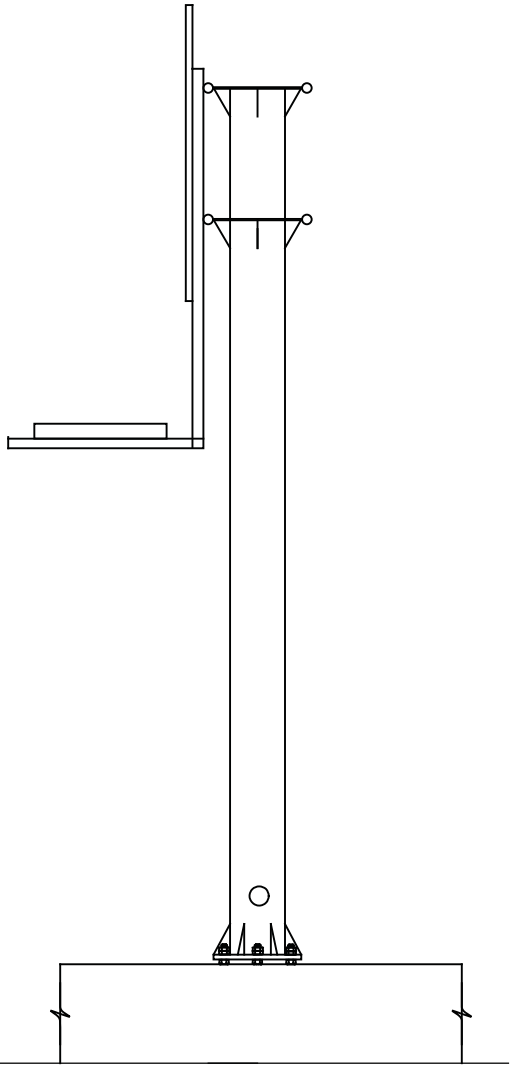
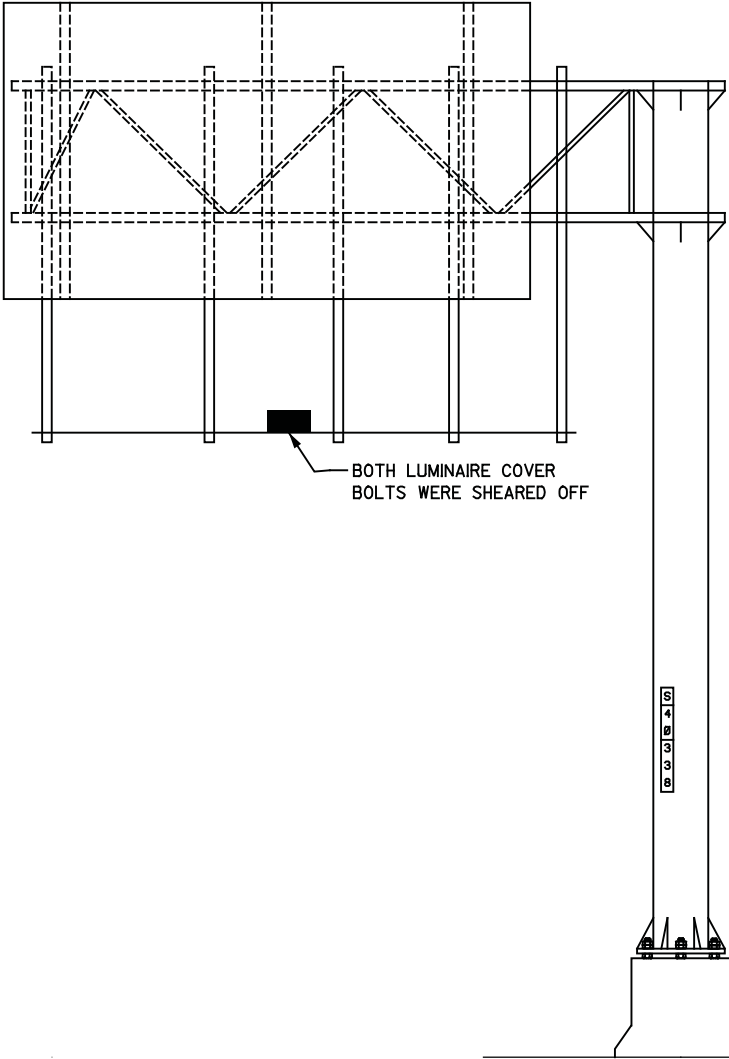
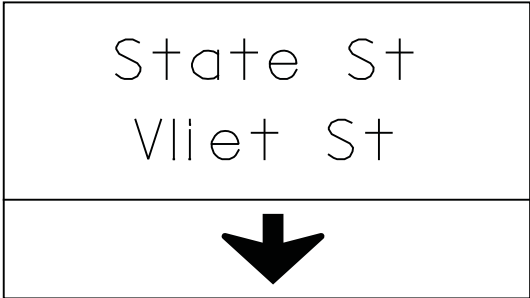


THE RODENT SCREEN WAS MISSING ON THE EAST FOUNDATION



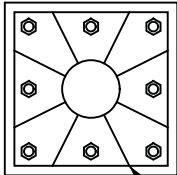
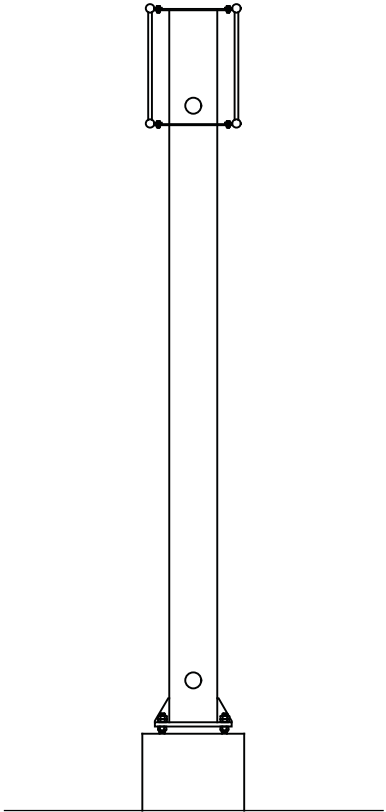
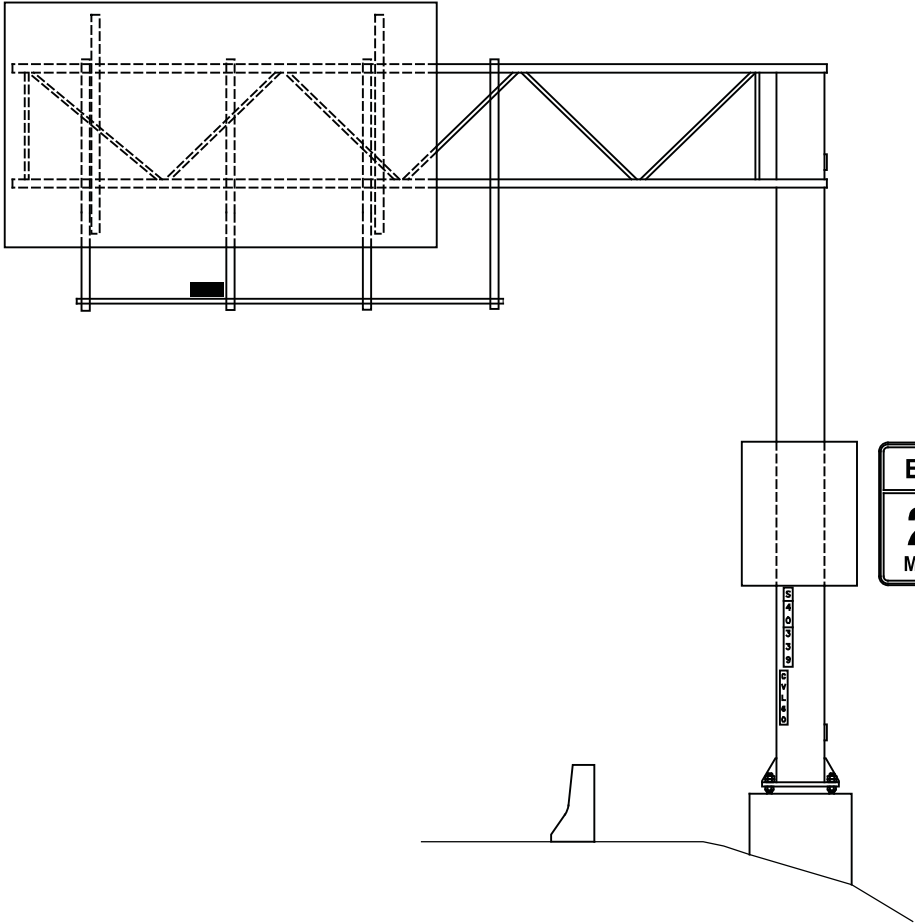
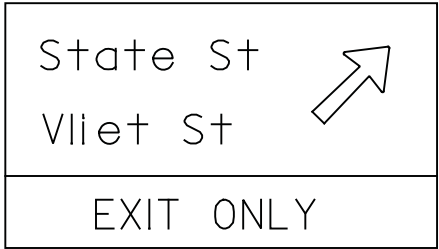
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.18	SECURE LUMINAIRE COVER	1 EACH	SHEET 7
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-328			SHEET 53 OF 136



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.18	SECURE LUMINAIRE COVER	1 EACH	SHEET 7
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-338			SHEET 54 OF 136



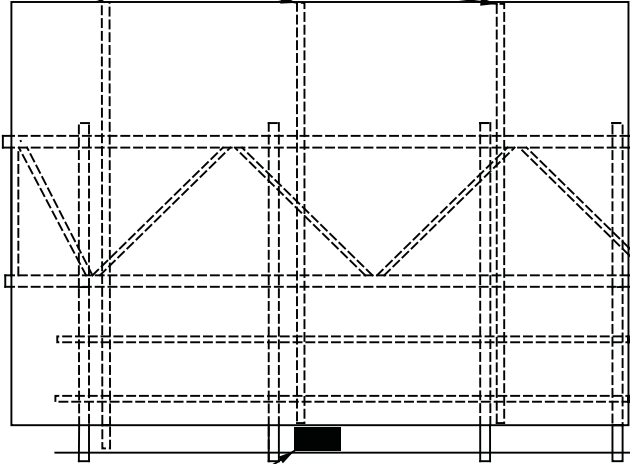
THE RODENT SCREEN WAS MISSING

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1

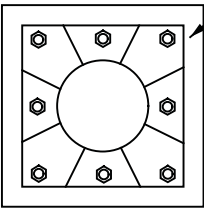
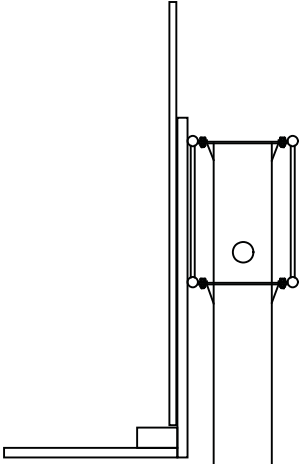
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-339			SHEET 55 OF 136



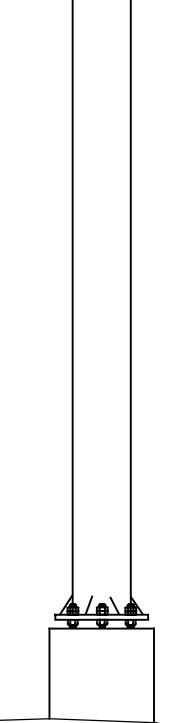
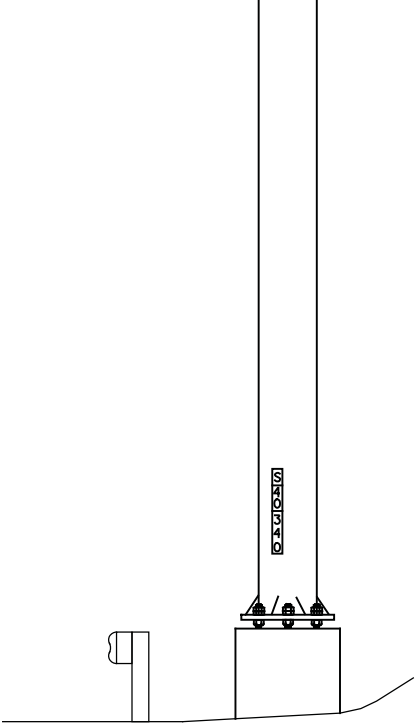
12 SIGN PANEL CONNECTORS WERE MISSING ON EACH WINDBEAM



BOTH LUMINAIRE COVER BOLTS WERE SHEARED OFF



THE RODENT SCREEN WAS MISSING

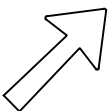


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	1 EACH	SHEET 5
SPV.0060.18	SECURE LUMINAIRE COVER	36 EACH	SHEET 7
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1

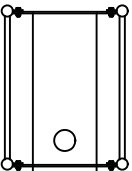
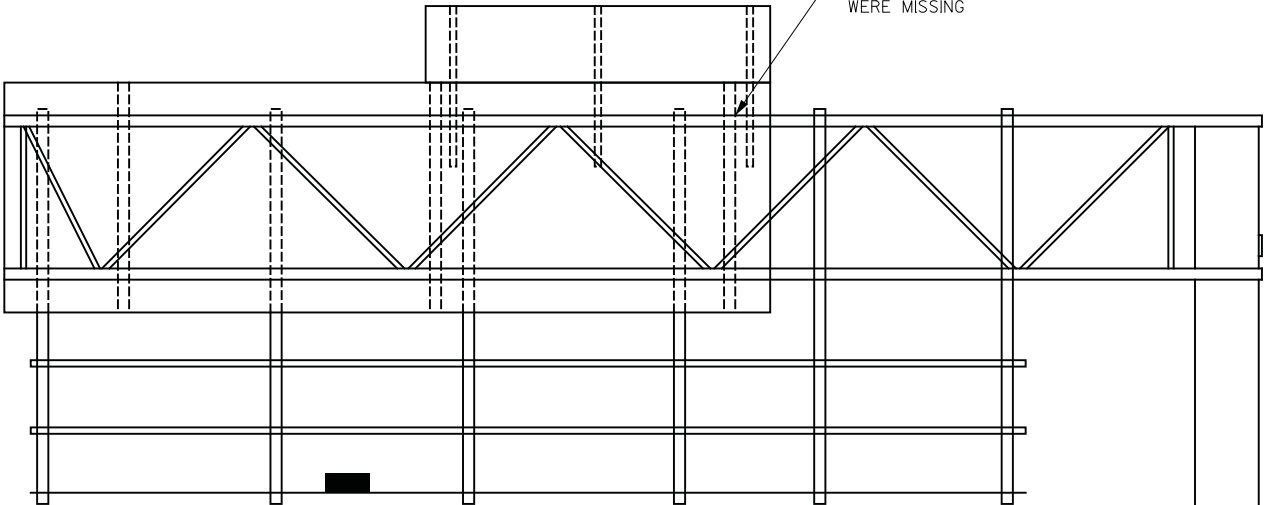
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-340			SHEET 56 OF 136

EXIT 75

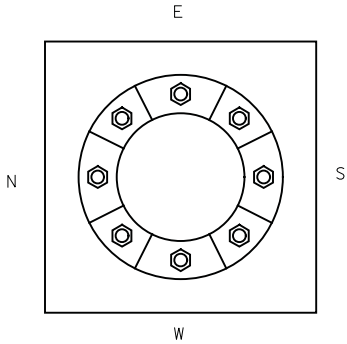
Atkinson Ave  
Keefe Ave



TWO SIGN PANEL CONNECTORS  
WERE MISSING



LOOKING EAST

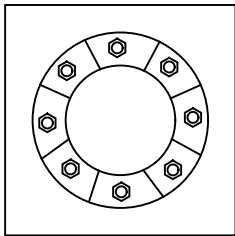
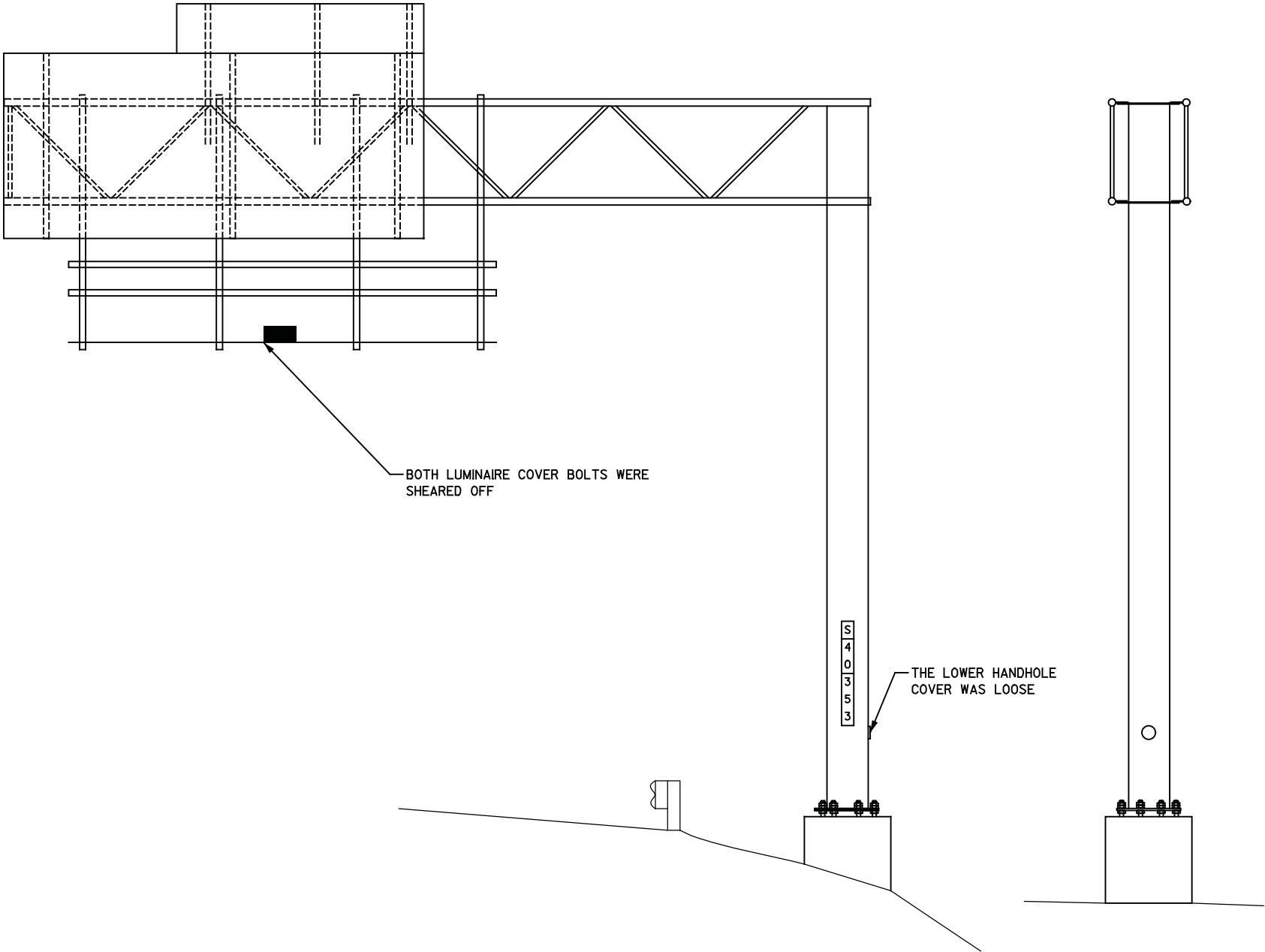
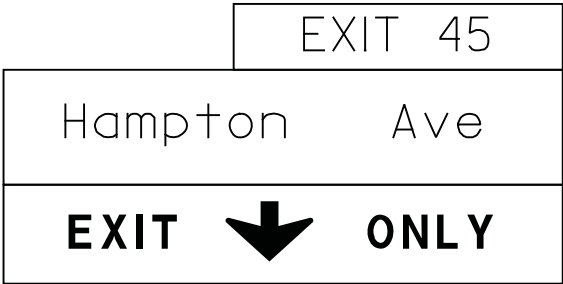


LOOKING SOUTH

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	2 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-348			SHEET 57 OF 136



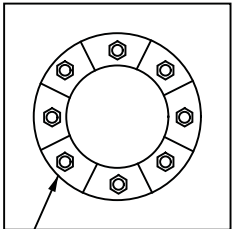
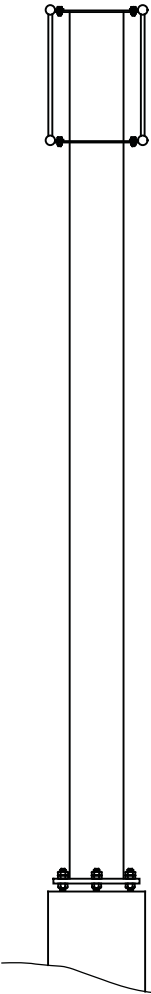
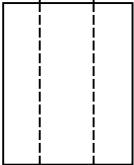
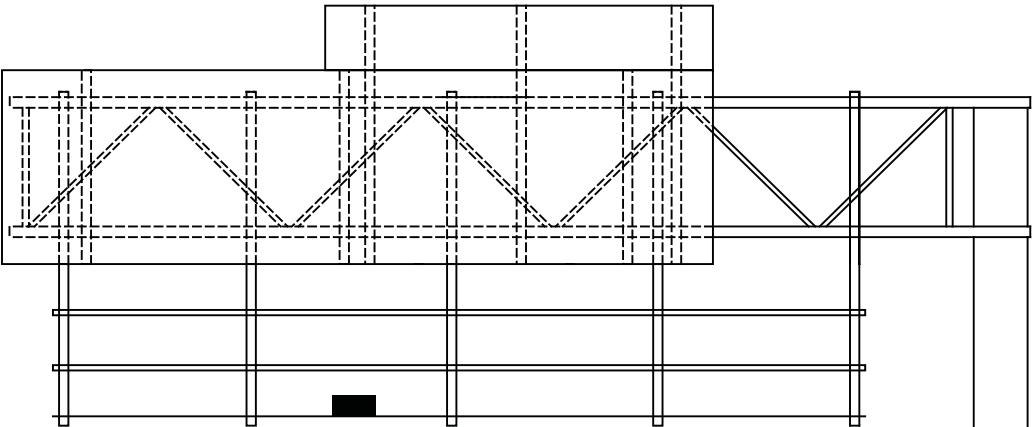


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.18	SECURE LUMINAIRE COVER	1 EACH	SHEET 7
SPV.0060.19	TIGHTEN/REPLACE HANDHOLE COVER BOLT	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-353			SHEET 58 OF 136

EXIT 42 A

North Ave EAST  
Mayfair Rd



THE RODENT SCREEN WAS MISSING

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-354			SHEET 59 OF 136

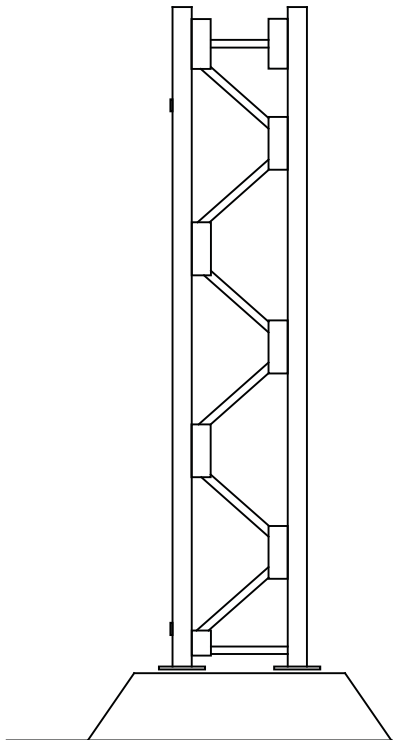
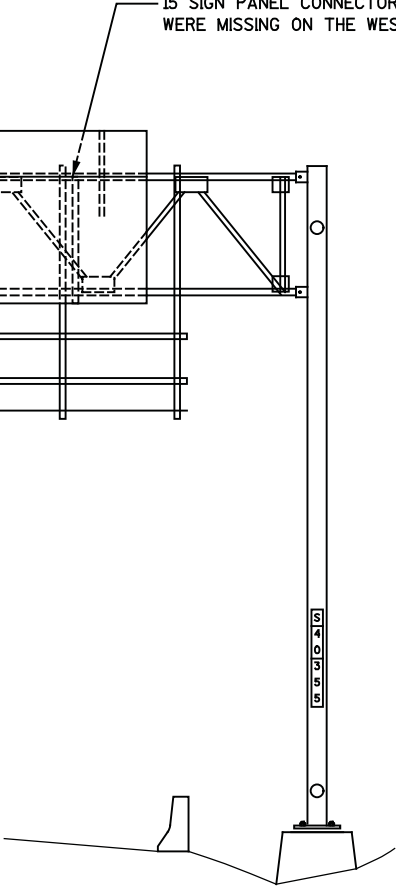
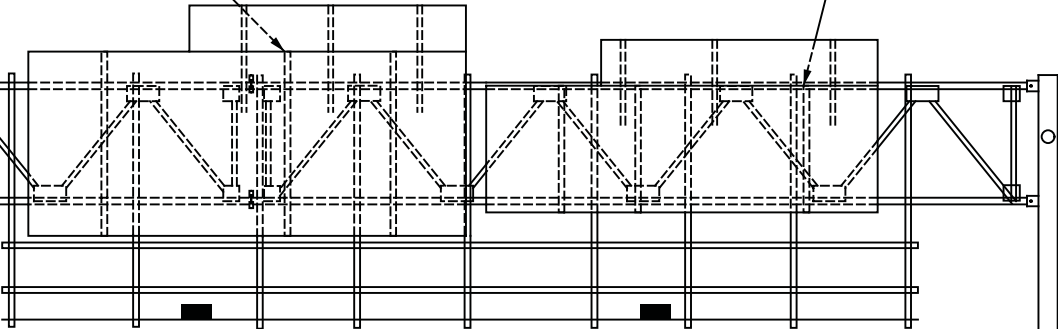
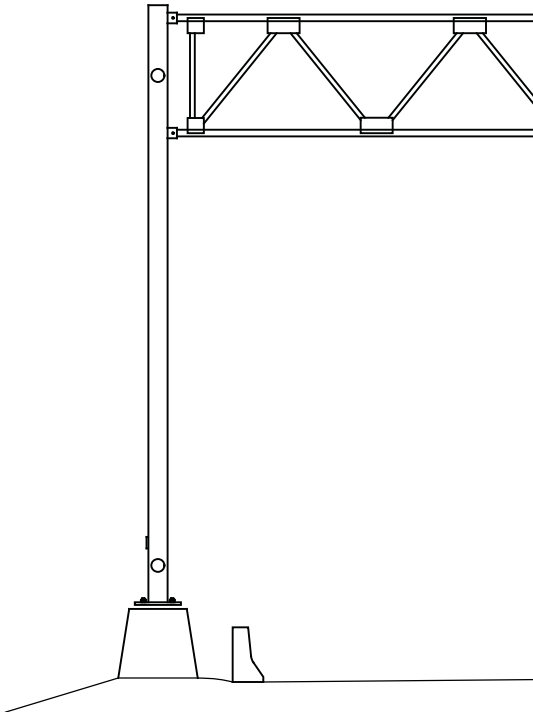
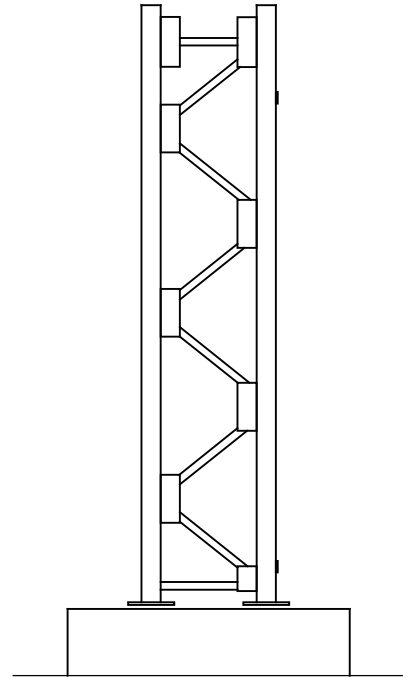
EXIT 42 A  
North Ave EAST  
Mayfair Rd  
1/4 MILE

EXIT 42 B  
North Ave  
WEST

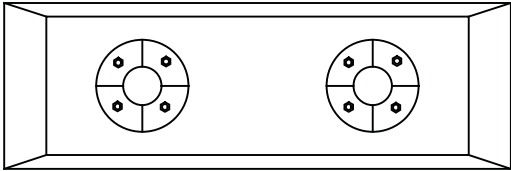
21 SIGN PANEL CONNECTORS  
WERE MISSING ON THE EAST SIGN

15 SIGN PANEL CONNECTORS  
WERE MISSING ON THE WEST SIGN

8

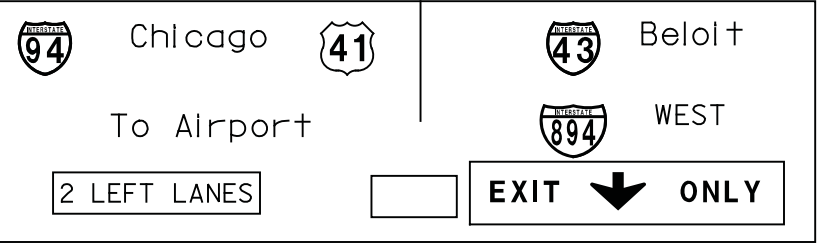


8

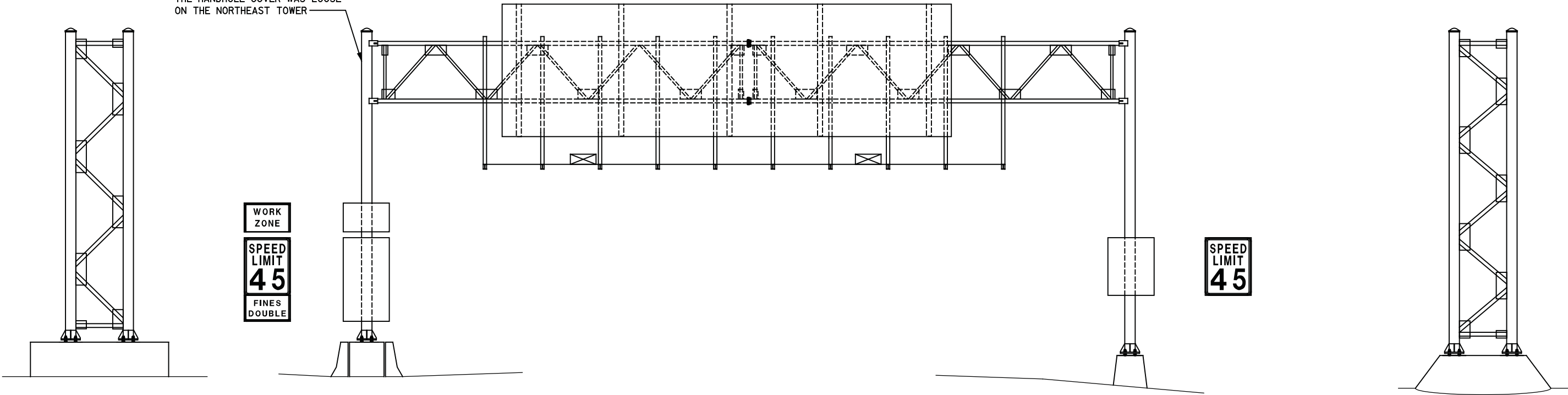


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	36 EACH	SHEET 5

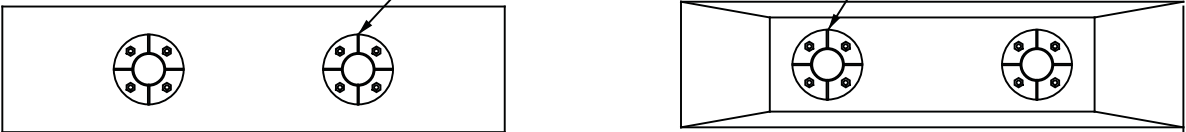
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-355			SHEET 60 OF 136



THE HANDHOLE COVER WAS LOOSE  
ON THE NORTHEAST TOWER



THE NORTHEAST AND NORTHWEST RODENT  
SCREENS WERE MISSING



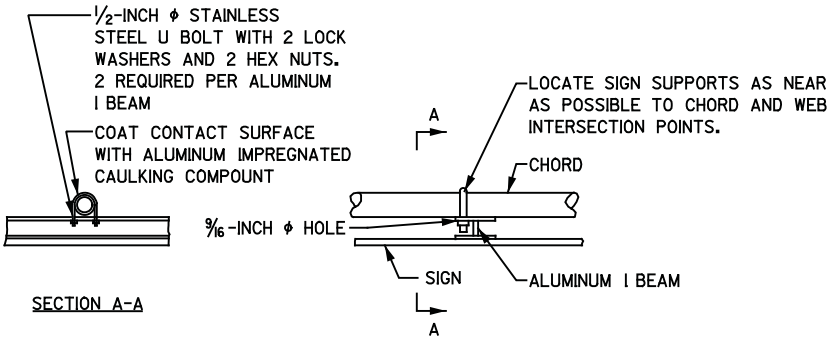
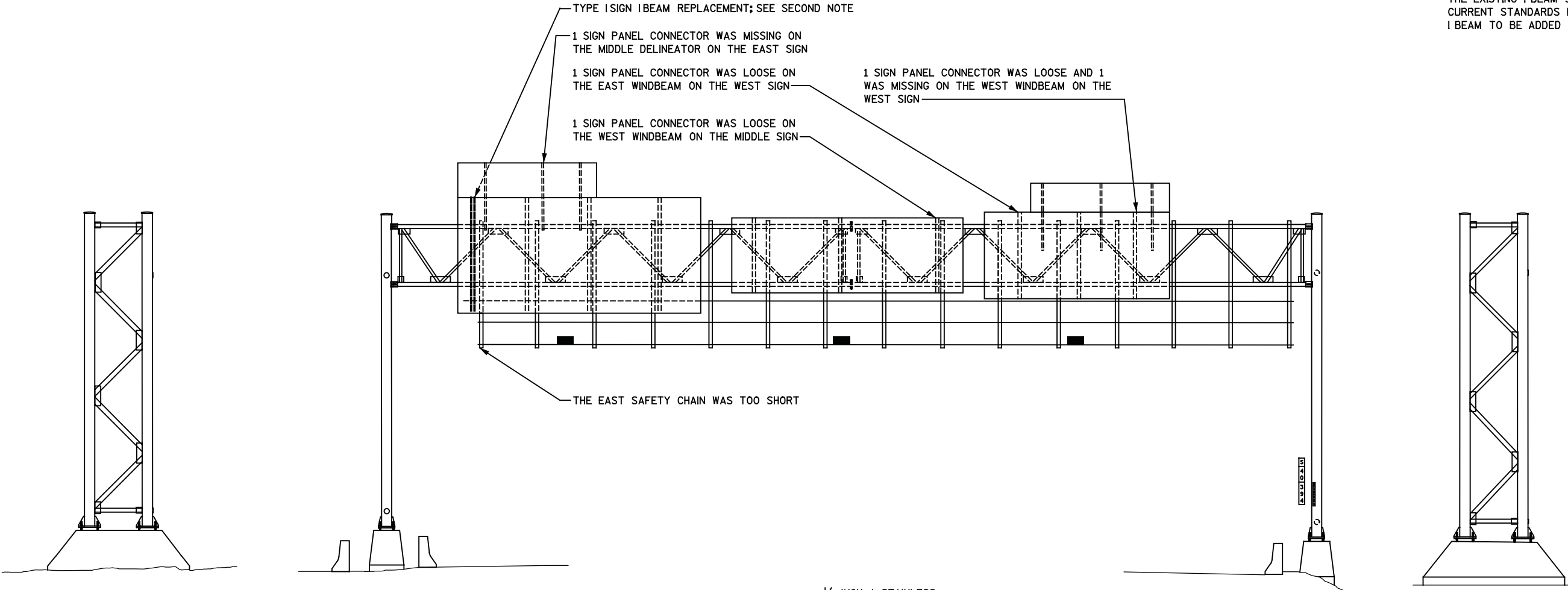
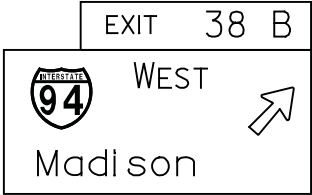
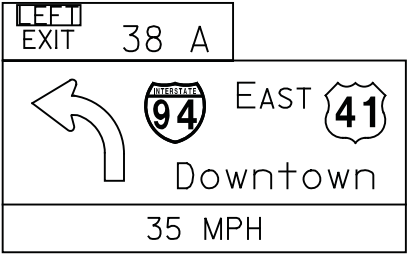
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.19	TIGHTEN/REPLACE HANDHOLE COVER BOLT	2 EACH	SHEET 7
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-388			SHEET 61 OF 136

NOTES:

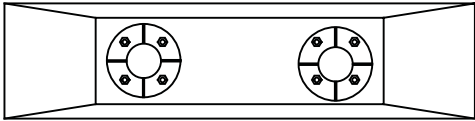
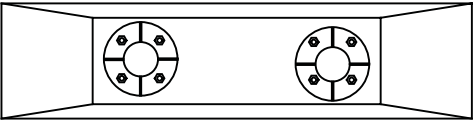
THE CONTRACTOR SHALL FIELD VERIFY THE DEPTH OF THE EXISTING ALUMINUM I BEAMS AND PROVIDE REPLACEMENT ALUMINUM I BEAMS OF THE SAME DEPTH. IF THE EXISTING I BEAMS ARE LESS THAN 5-INCHES IN DEPTH, CONTACT THE ENGINEER PRIOR TO PROCEEDING.

THERE IS NO EXISTING ALUMINUM I BEAM BEING REPLACED ON THIS SIGN. THE EXISTING I BEAM SPACING EXCEEDS CURRENT STANDARDS REQUIRING AN I BEAM TO BE ADDED TO THE SIGN.



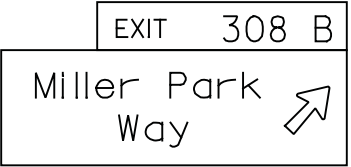
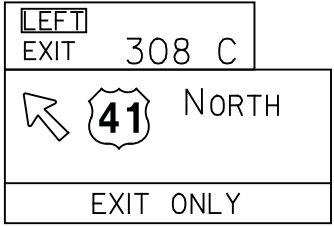
SECTION A-A

TYPICAL SIGN CONNECTION



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	1 EACH	SHEET 5
SPV.0060.12	REPLACE SAFETY CHAIN	5 EACH	SHEET 6
SPV.0060.25	TYPE I SIGN I-BEAM REPLACEMENT	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-394			SHEET 62 OF 136



ONE UPPER CONDUIT PLUG WAS MISSING ON THE NORTHWEST POST

BOTH SAFETY CHAINS EXHIBITED MODERATE SURFACE CORROSION WITH NO LOSS OF SECTION

TWO SIGN PANEL CONNECTORS WERE LOOSE AND ONE WAS MISSING ON THE MIDDLE NORTH WINDBEAM OF THE MIDDLE SIGN

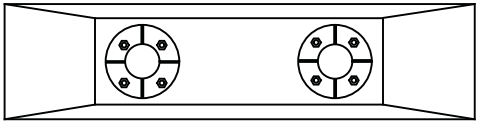
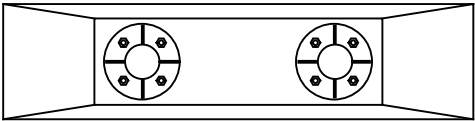
ONE SIGN PANEL CONNECTOR WAS LOOSE ON THE MIDDLE SOUTH WINDBEAM OF THE MIDDLE SIGN;

THE WINDBEAMS WERE 6" TOO SHORT ON TOP OF THE MIDDLE SIGN)

THE SPLICE BOLT THREADS EXHIBITED MODERATE SURFACE CORROSION WITH NO LOSS OF SECTION



THE SOUTHEAST CORNER OF THE SOUTH FOUNDATION WAS UNDERMINED, 3' LONG BY 1" HIGH WITH 6" OF MAXIMUM PENETRATION



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.05	TIGHTEN LOOSE U-BOLT	1 EACH	SHEET 3
SPV.0060.14	REPLACE MISSING CONDUIT PLUG	1 EACH	SHEET 7
SPV.0060.25	TYPE 1 SIGN I-BEAM REPLACEMENT	4 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN STRUCTURE INSPECTIONS 2012			
CONST. SPEC.	N/A	DRAWN BY JMW	PLANS CK'D. DRG
S-40-395			SHEET 63 OF 136

EXIT 307 B

Hawley Rd

1/2 MILE

EXIT 308 A

VA Medical Ctr

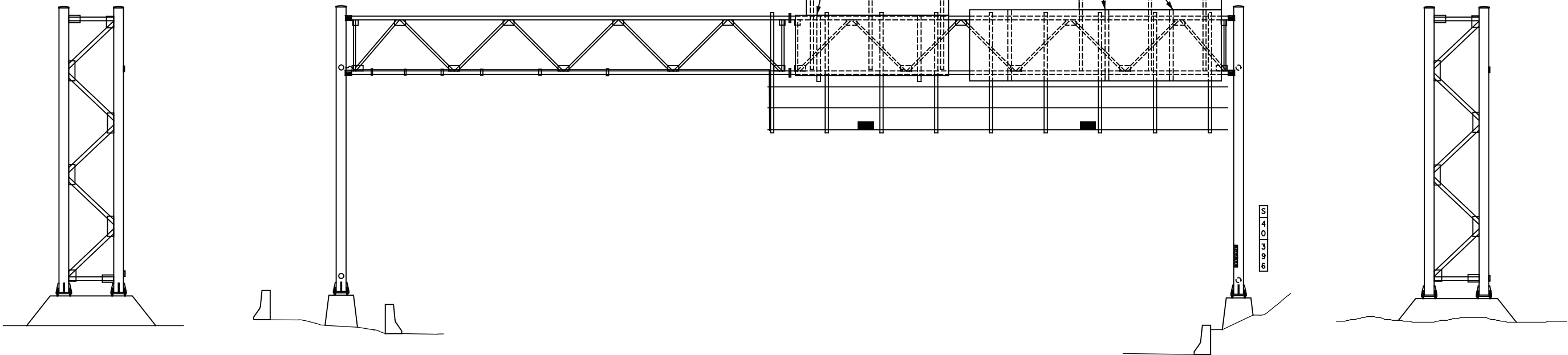
Mitchell Blvd



2 SIGN PANEL CONNECTORS WERE LOOSE ON  
THE NORTH WINDBEAM ON THE NORTH SIGN

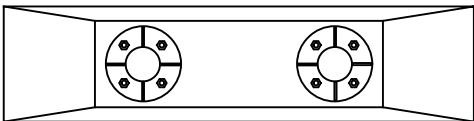
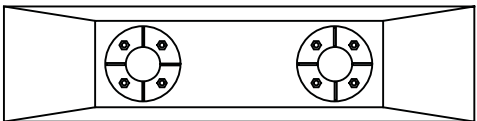
2 SIGN PANEL CONNECTORS WERE LOOSE  
ON THE MIDDLE WINDBEAM ON THE NORTH SIGN

1 SIGN PANEL CONNECTOR WAS LOOSE ON  
THE SOUTH WINDBEAM ON THE SOUTH SIGN



8

8



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	5 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-396			SHEET 64 OF 136


EXIT 38 A

INTERSTATE

94

EAST

Milwaukee

EXIT  ONLY

INTERSTATE


894


SOUTH

Chicago

INTERSTATE

45






EXIT 38 B

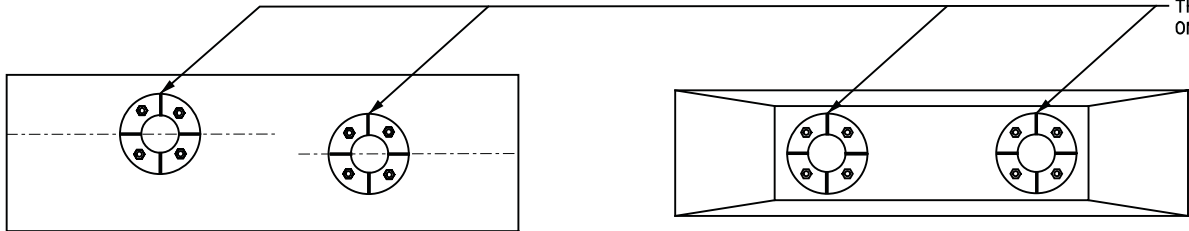
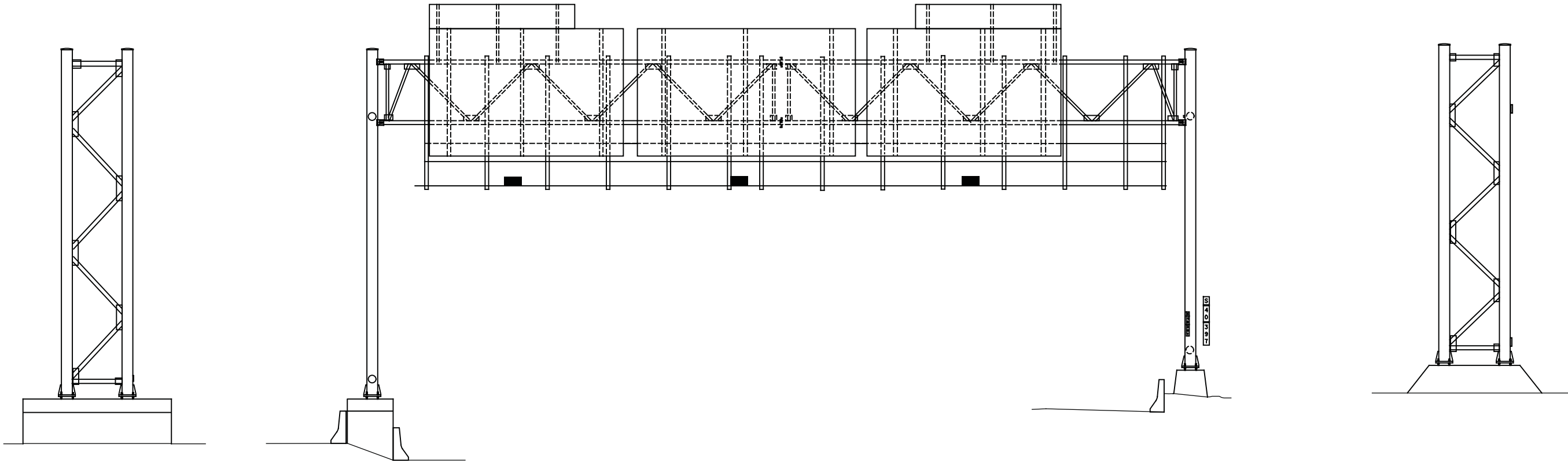
INTERSTATE

94

WEST

Madison

EXIT  ONLY



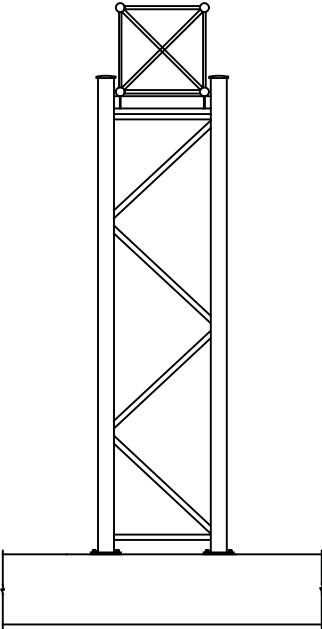
THE RODENT SCREENS WERE MISSING ON BOTH FOUNDATIONS

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	4 EACH	SHEET 1

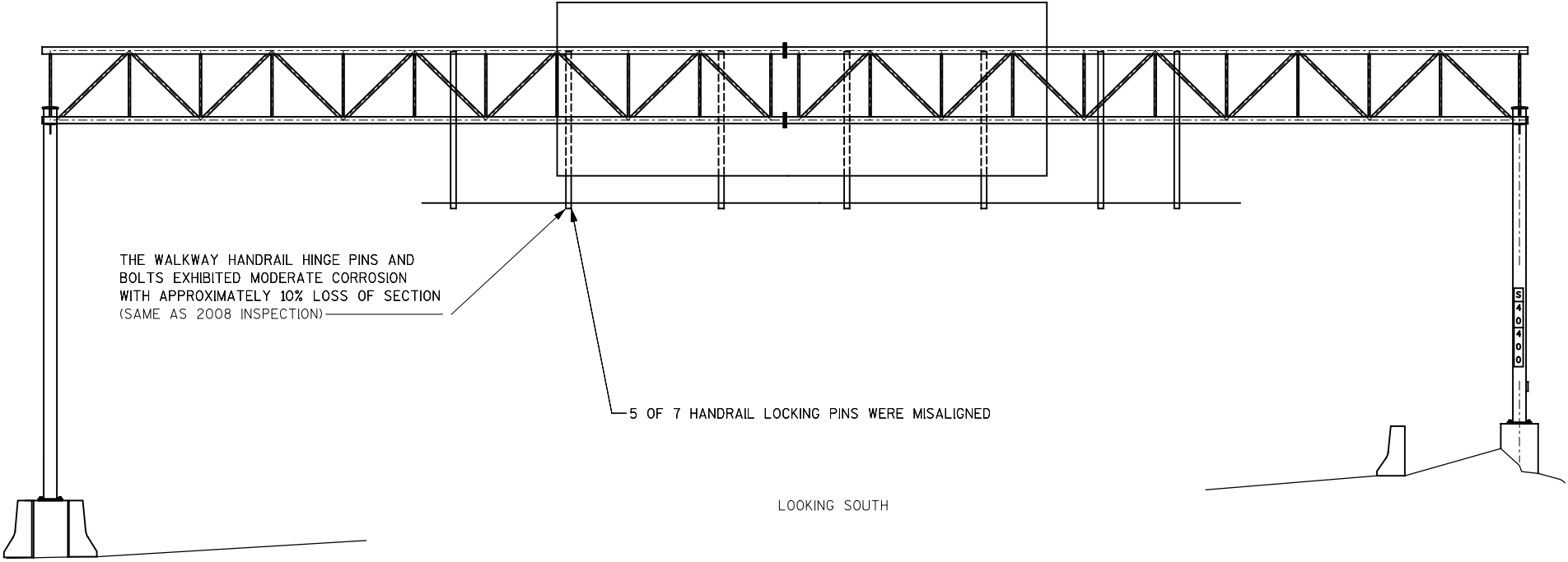
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-397			SHEET 65 OF 136



VMS



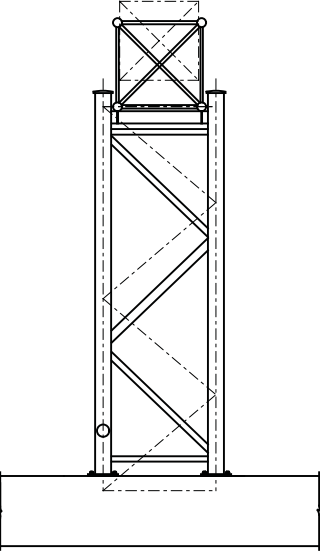
LOOKING EAST



THE WALKWAY HANDRAIL HINGE PINS AND BOLTS EXHIBITED MODERATE CORROSION WITH APPROXIMATELY 10% LOSS OF SECTION (SAME AS 2008 INSPECTION)

5 OF 7 HANDRAIL LOCKING PINS WERE MISALIGNED

LOOKING SOUTH



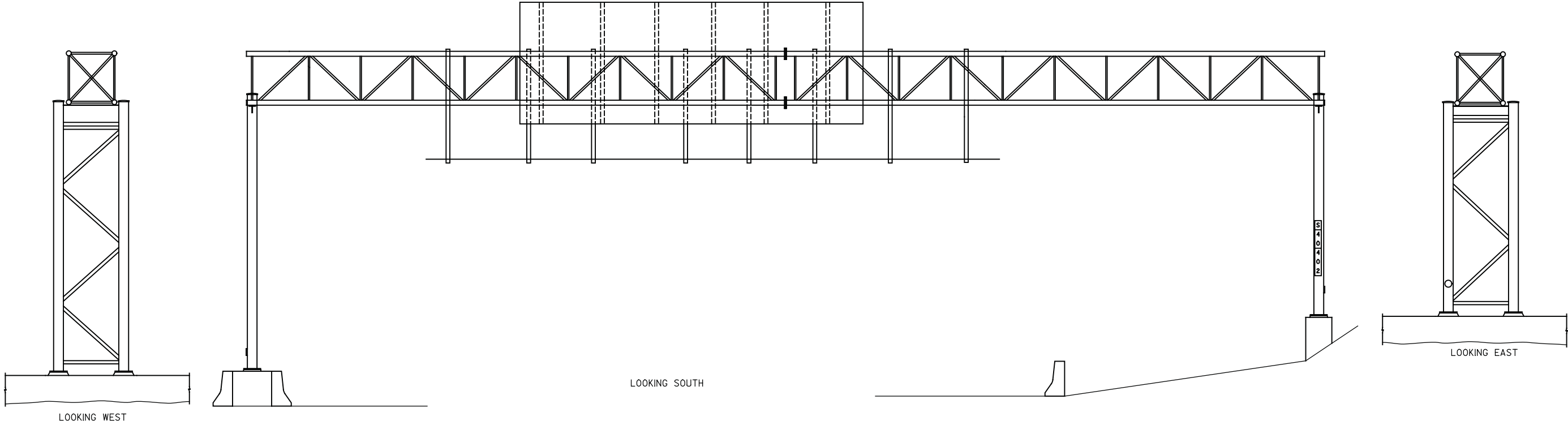
LOOKING WEST



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.09	REALIGN HANDRAIL LOCKING PIN	5 EACH	SHEET 6
SPV.0060.13	REPLACE RAILING HINGE ROD	7 EACH	SHEET 6

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-400			SHEET 66 OF 136

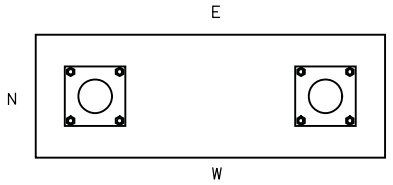
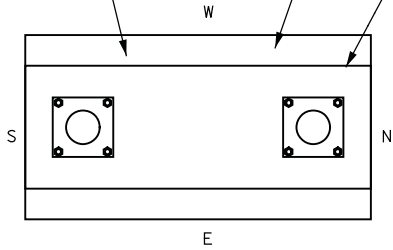
VMS



THE WEST SIDE OF THE EAST FOUNDATION WAS PREVIOUSLY REPAIRED BUT THE REPAIRED AREAS HAVE DELAMINATED

THE NORTH HALF OF THE WEST BARRIER WALL OF THE EAST FOUNDATION EXHIBITED A 1/4" WIDE VERTICAL CRACK AND WAS NOT SOUND

THE EAST FOUNDATION EXHIBITED RANDOM HAIRLINE TO 1/8" WIDE VERTICAL CRACKING THROUGHOUT ON THE WEST QUARTER OF THE FOUNDATION



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
509.1500	CONCRETE SURFACE REPAIR	5 SF	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-402			SHEET 67 OF 136

VMS

ONE SPLICE BOLT WAS LOOSE ON THE UPPER FRONT CHORD

THE HANDRAILS WERE INOPERABLE DUE TO CORRODED HINGE BOLTS

LOOKING WEST

LOOKING NORTH

LOOKING EAST

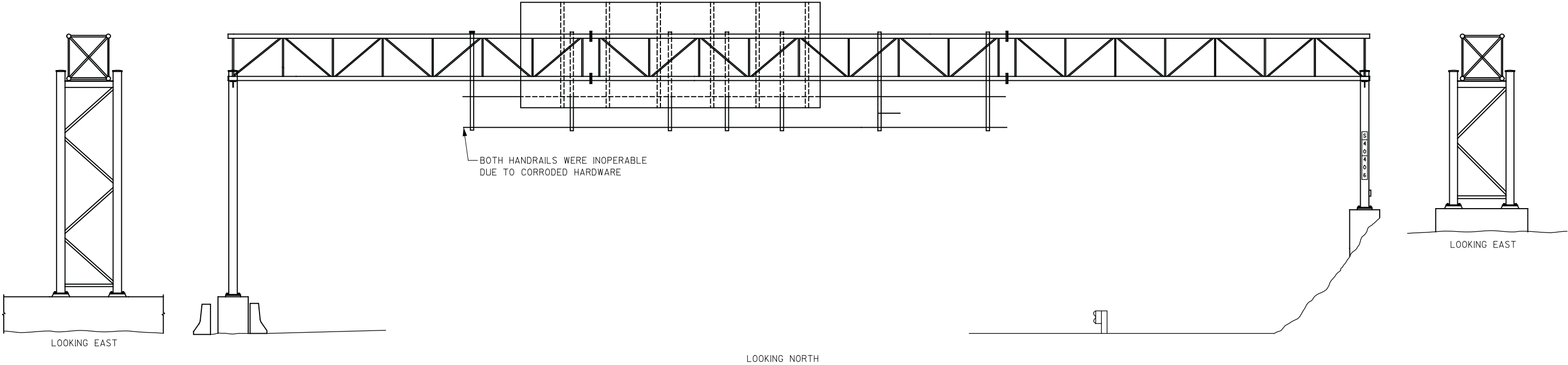
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8

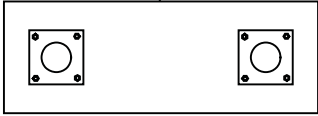
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.08	TENSION SPLICE BOLT	1 EACH	SHEET 3
SPV.0060.13	REPLACE RAILING HINGE ROD	7 EACH	SHEET 6

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-403			SHEET 68 OF 136

VMS



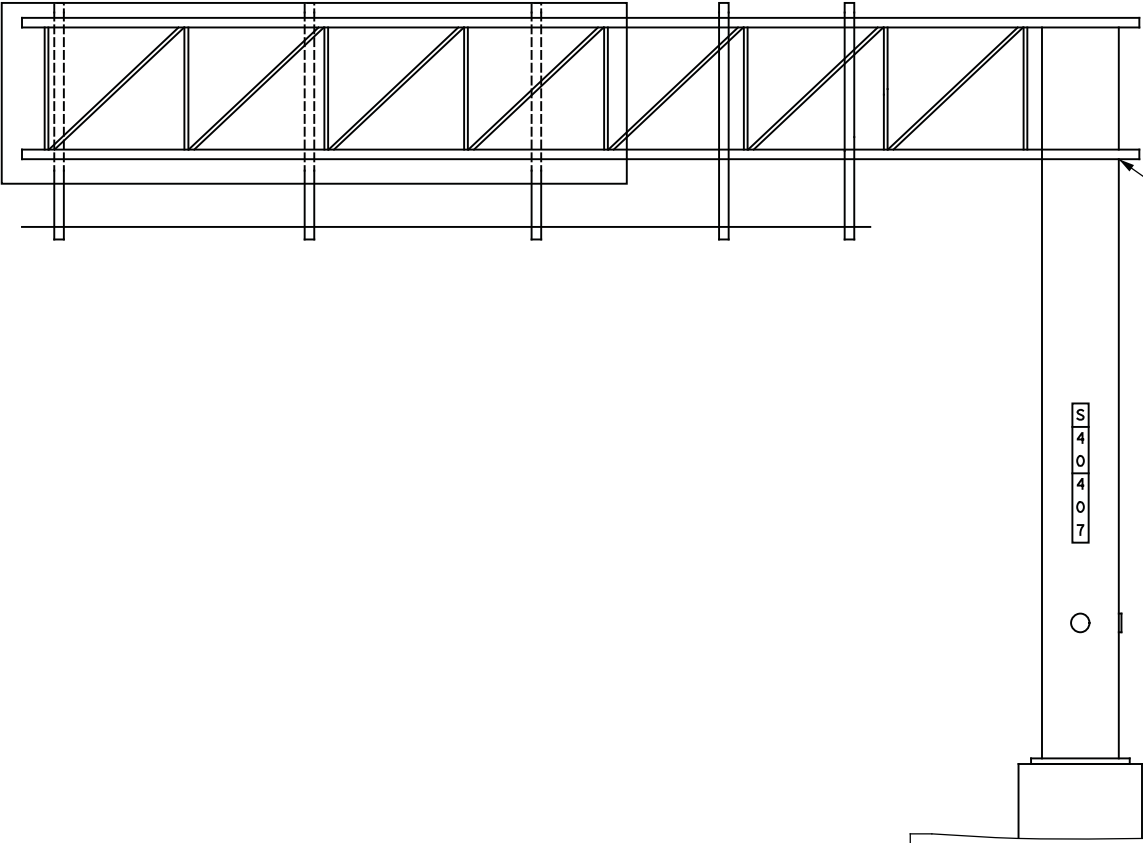
THE EAST FOUNDATION WAS UNDERMINED  
ALONG THE WEST FACE, 4' LONG BY  
3" HIGH WITH 1" MAXIMUM PENETRATION



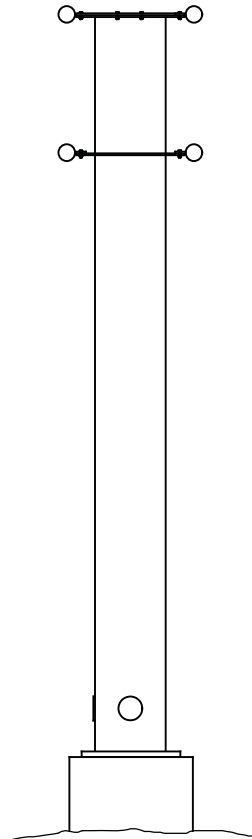
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0035.01	FILL EROSION	0.5 CY	SHEET 1
SPV.0060.13	REPLACE RAILING HINGE ROD	7 EACH	SHEET 6

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-406			SHEET 69 OF 136

VMS

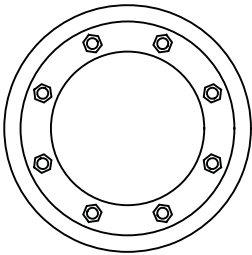


ONE LOWER FRONT POST TO TRUSS  
CONNECTION BOLT WAS LOOSE



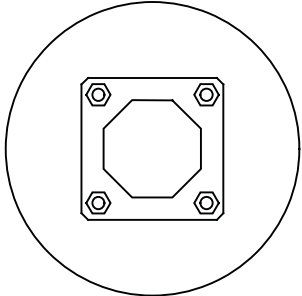
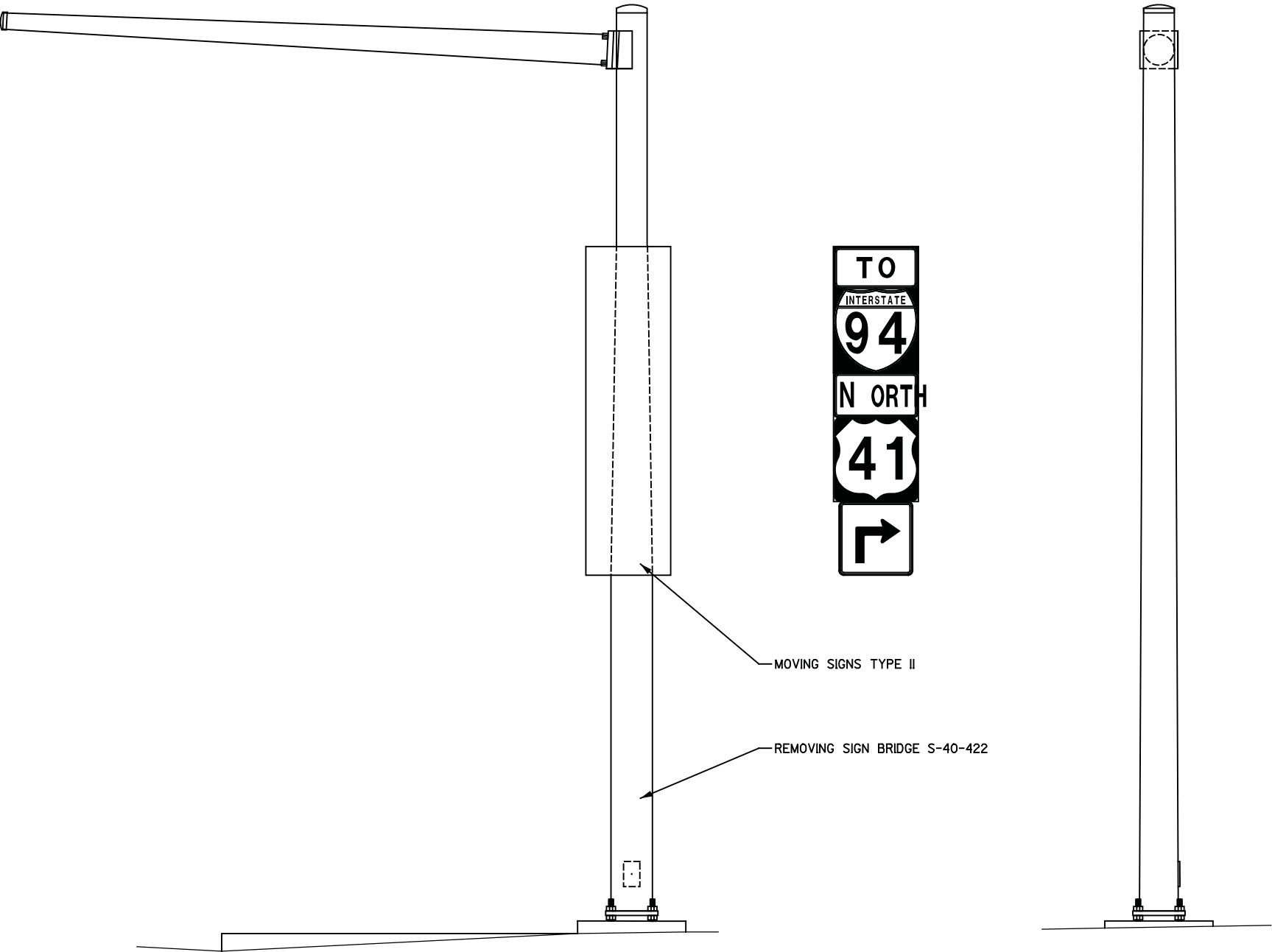
LOOKING WEST

LOOKING NORTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.04	TENSION POST TO TRUSS CONNECTION BOLT	1 EACH	SHEET 3

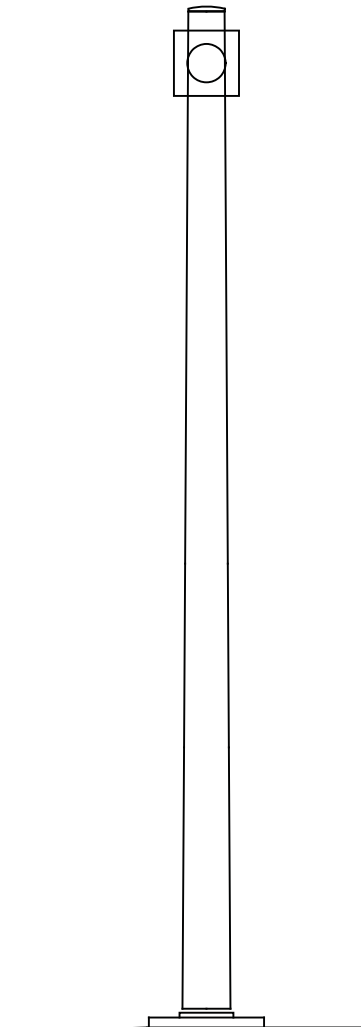
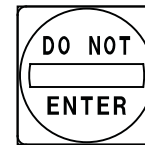
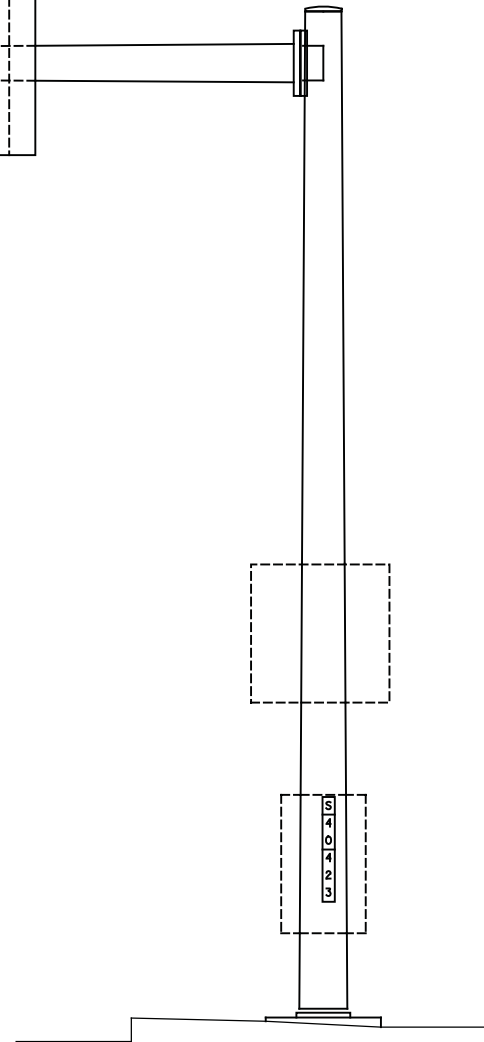
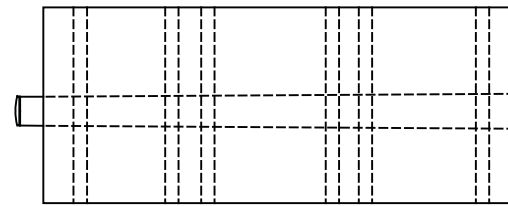
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-407			SHEET 70 OF 136



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
634.0618	POSTS WOOD 4X6-INCH X 18-FT	1 EACH	SHEET 5
638.2102	MOVING SIGNS TYPE II	5 EACH	SHEET 5
SPV.0105.02	REMOVING SIGN BRIDGE S-40-422	1 LS	SHEET 3

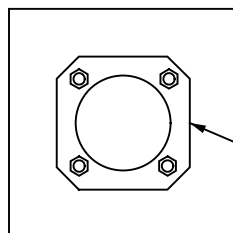
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-422			SHEET 71 OF 136

VMS



8

8 |



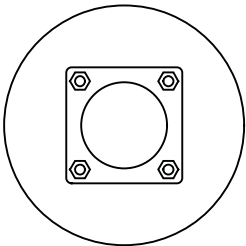
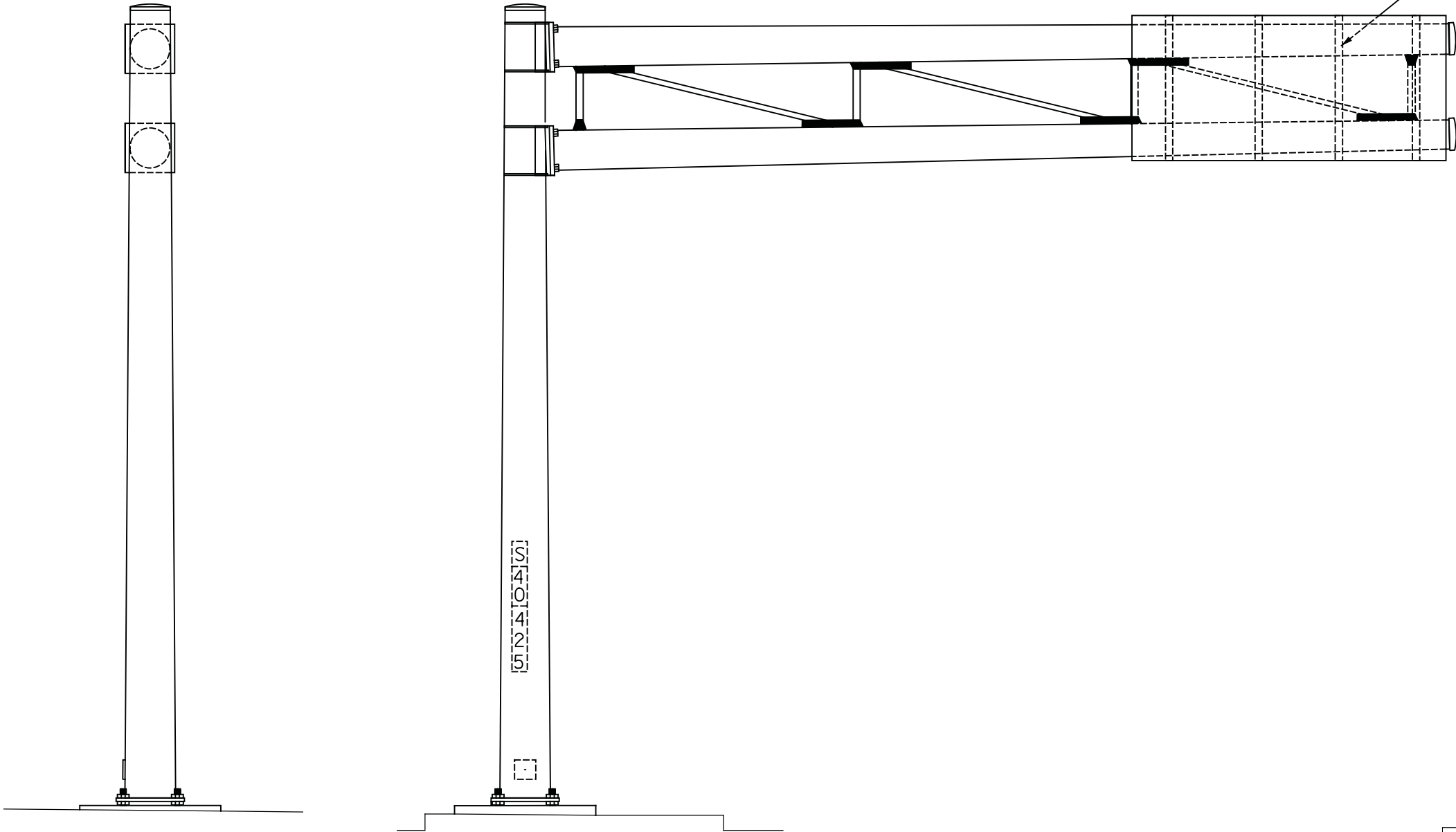
— THE RODENT SCREEN WAS MISSING

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY	PLANS C'D.
		DW	VC
S-40-423		SHEET 72 OF 136	

VMS

THE UPPER U-BOLT WAS MISSING ON  
THE THIRD BRACKET FROM THE NORTH

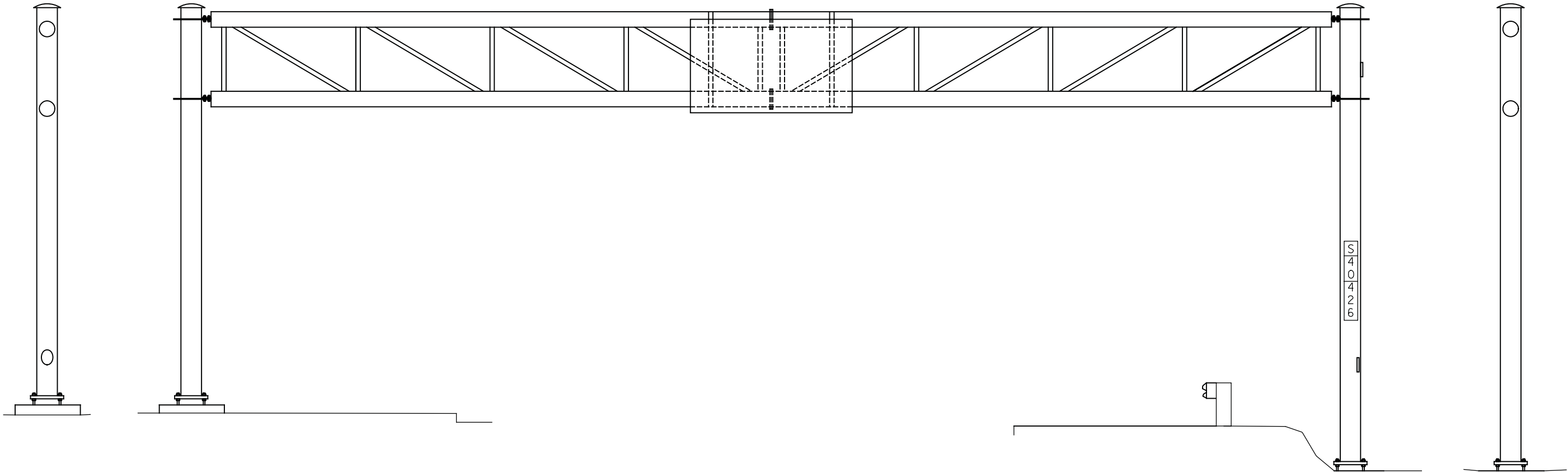


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.24	INSTALL U-BOLT	1 EACH	SHEET 3

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-425			SHEET 73 OF 136

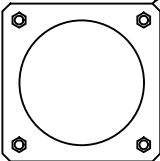
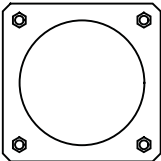


VMS



8

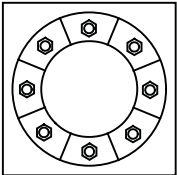
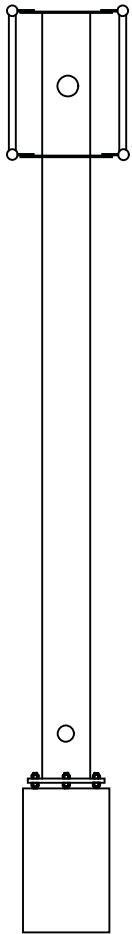
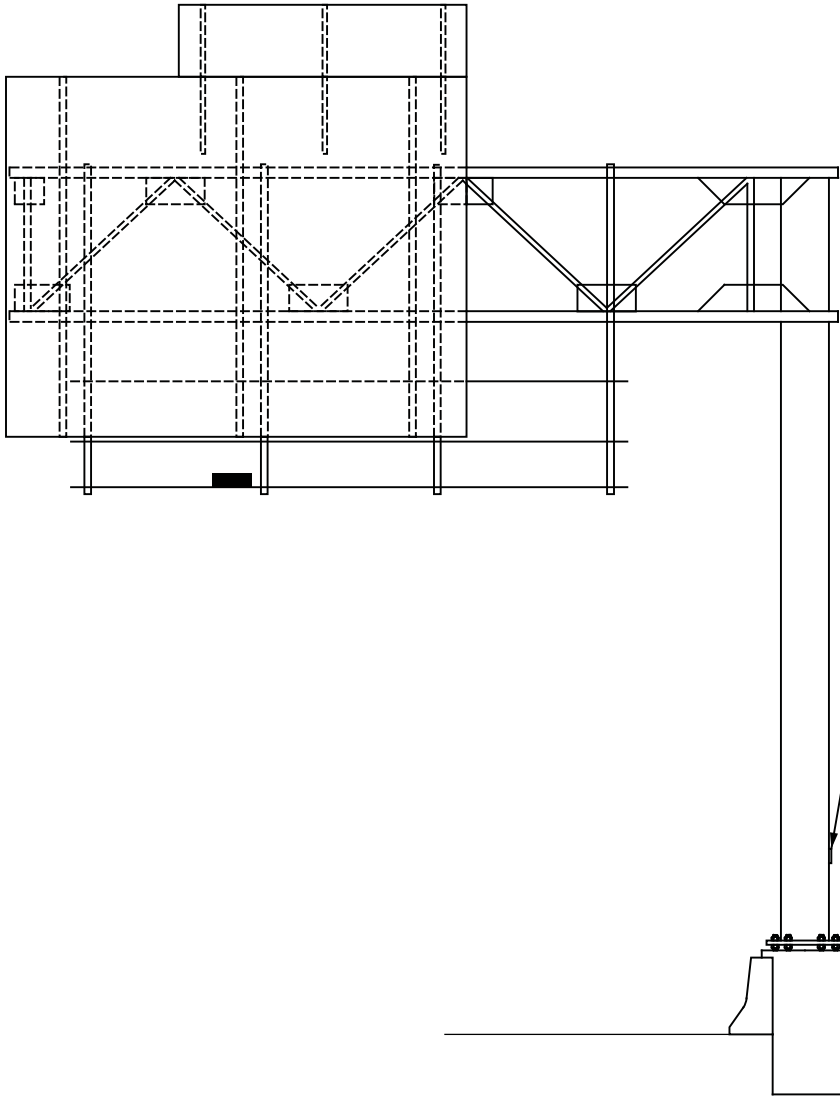
8



THE SOUTH FOUNDATION WAS COVERED  
WITH UP TO 6" OF SILT AND GRAVEL

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.32	REMOVE FILL AND REGRADE	1 EACH	SHEET 1

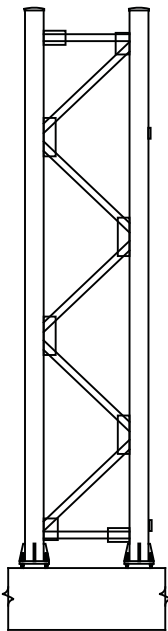
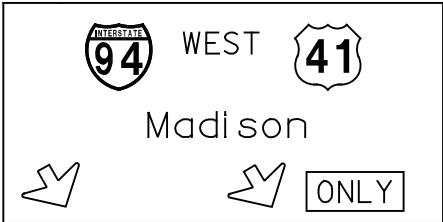
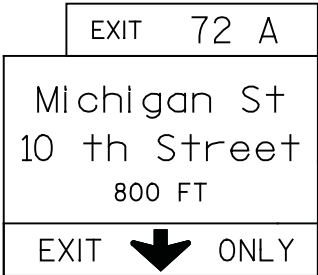
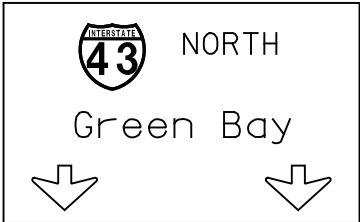
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-426			SHEET 74 OF 136



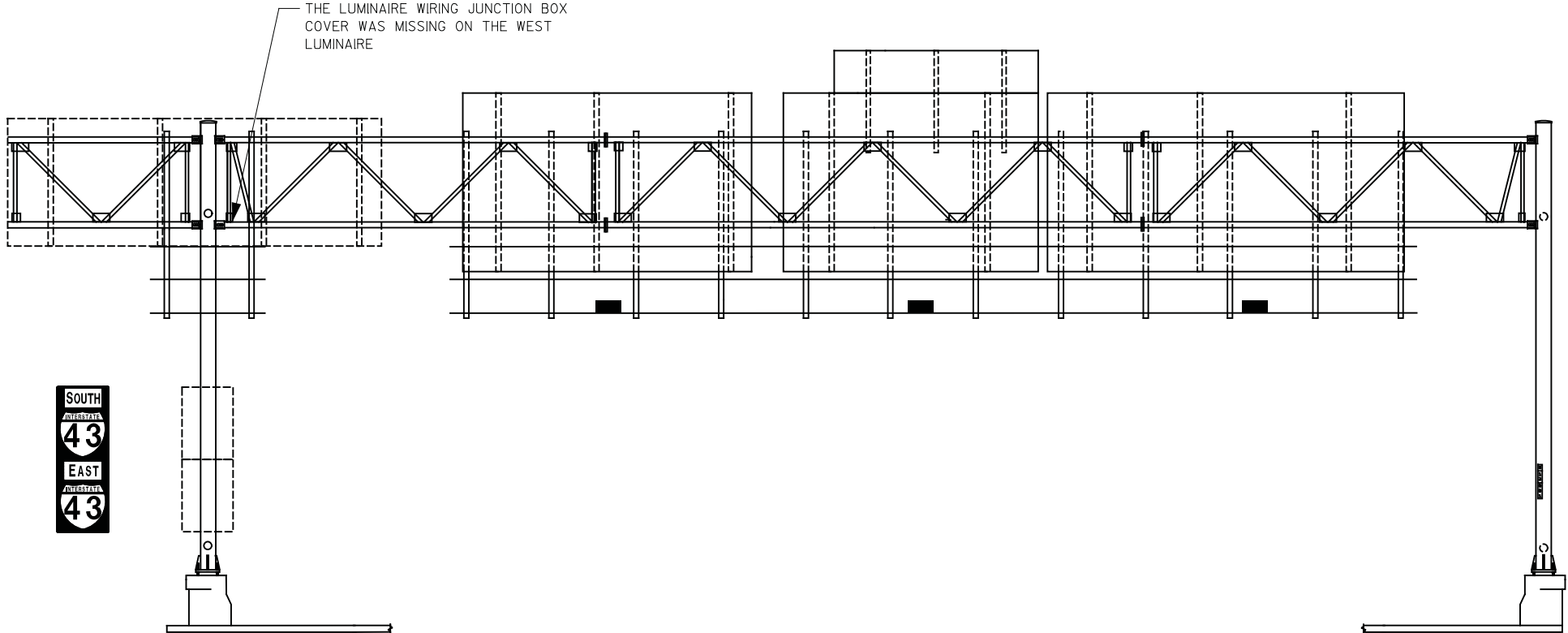
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.19	TIGHTEN/REPLACE HANDHOLE COVER BOLT	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-520			SHEET 75 OF 136

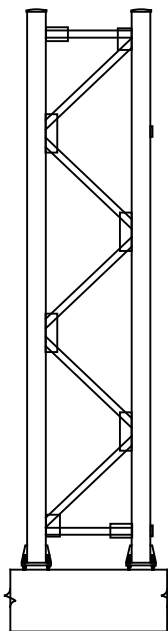
National - 6th St 1/2  
Lapham - Mitchell 1  
Becher - Lincoln 1 1/4



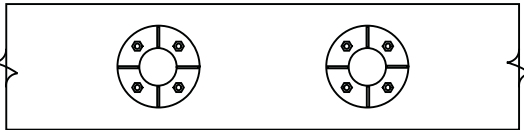
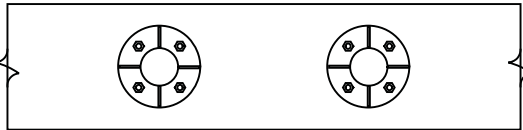
LOOKING EAST



LOOKING NORTH



LOOKING WEST



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.07	REPLACE JUNCTION BOX COVER	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-522			SHEET 76 OF 136

INTERSTATE

794

EAST

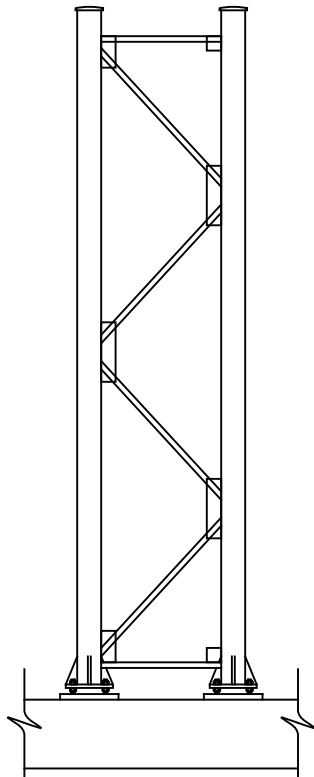
Lakefront

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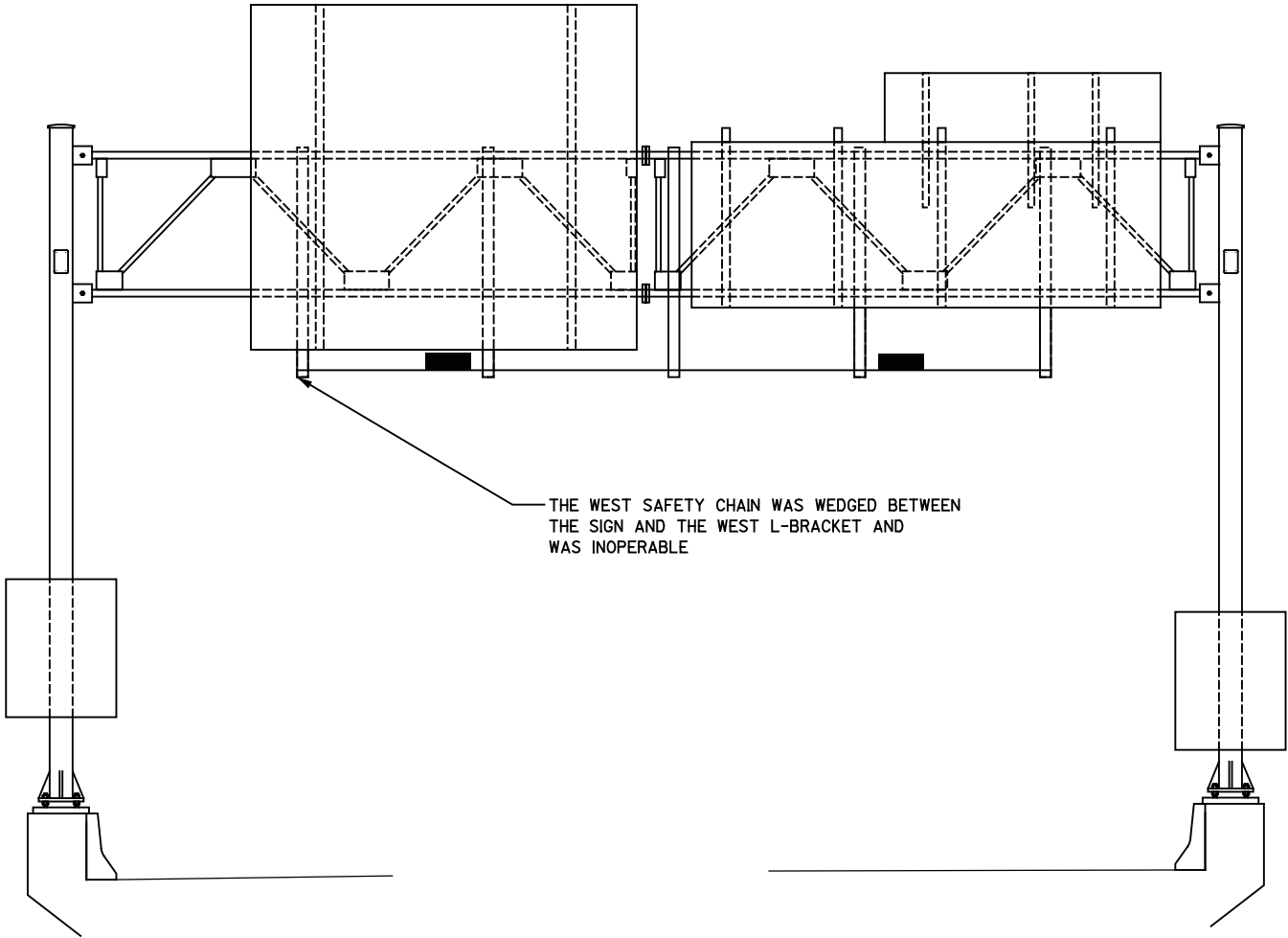
40 MPH

EXIT 1 D

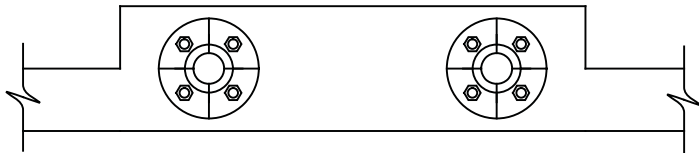
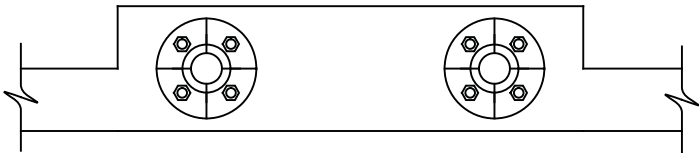
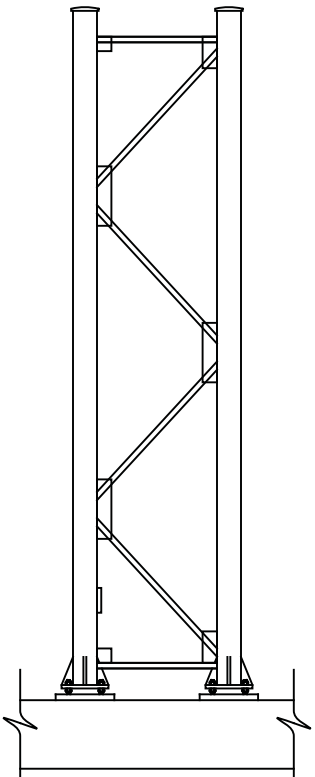
Plankinton Avenue ↗



RAMP  
40  
M.P.H.

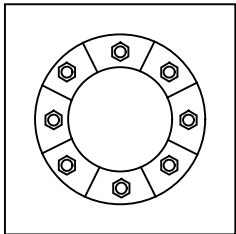
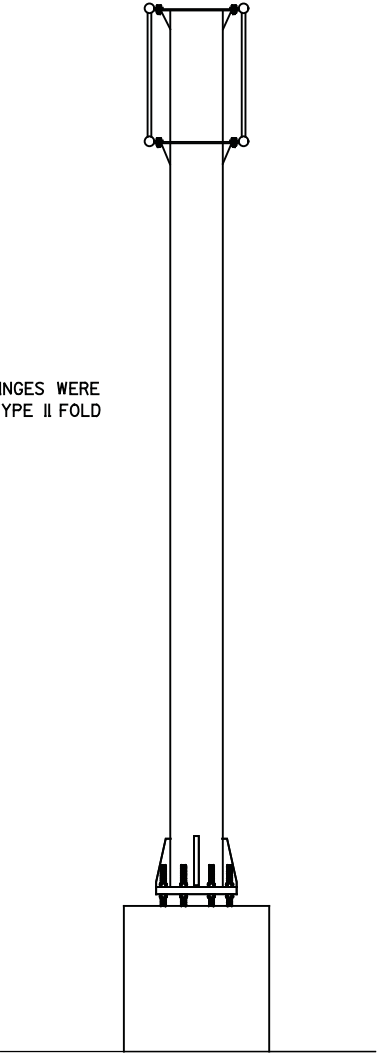
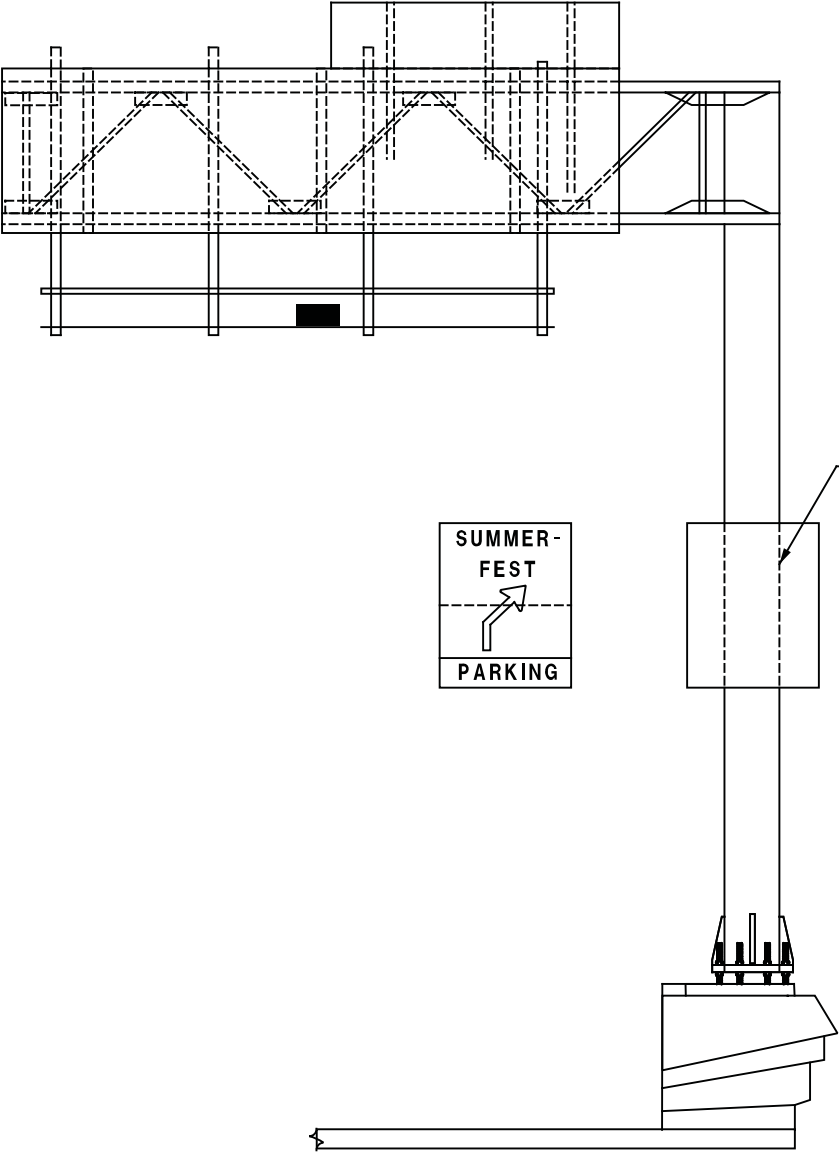
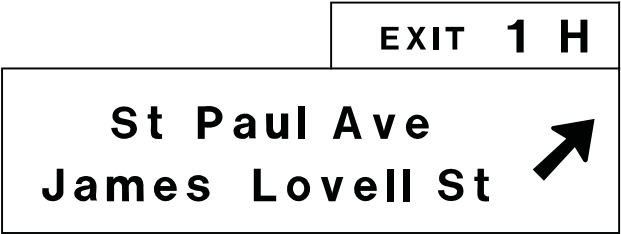


RAMP  
40  
M.P.H.



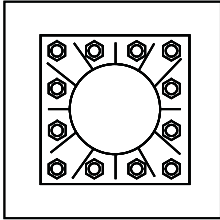
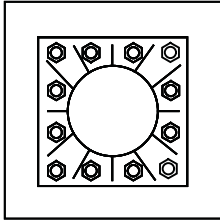
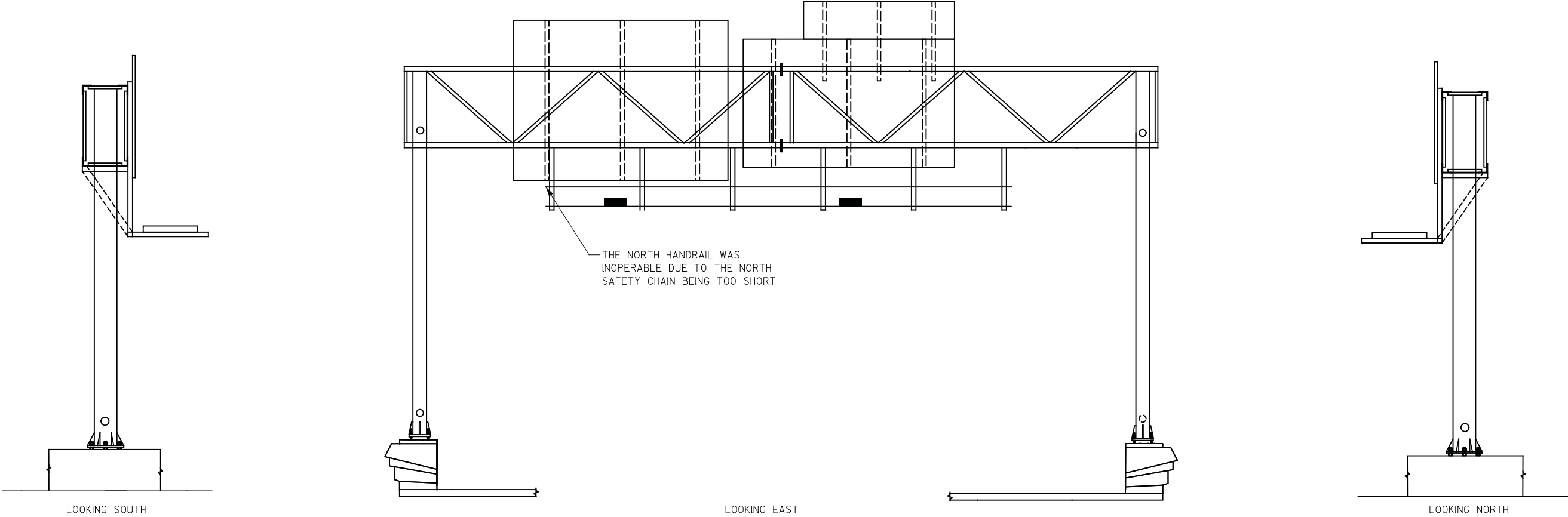
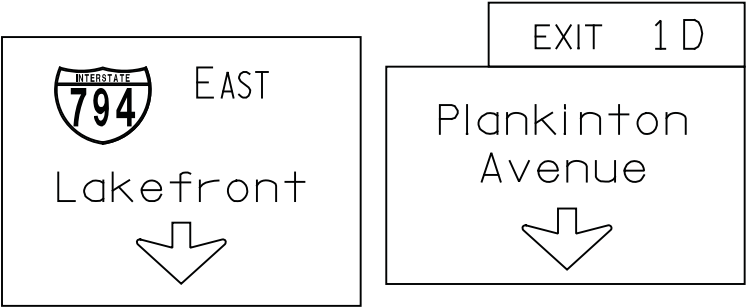
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.12	REPLACE SAFETY CHAIN	1 EACH	SHEET 6

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-523			SHEET 77 OF 136



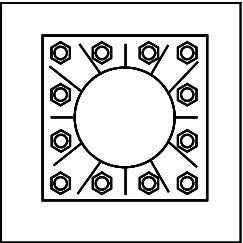
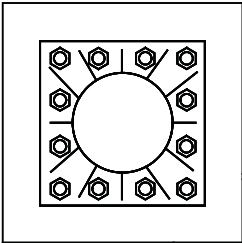
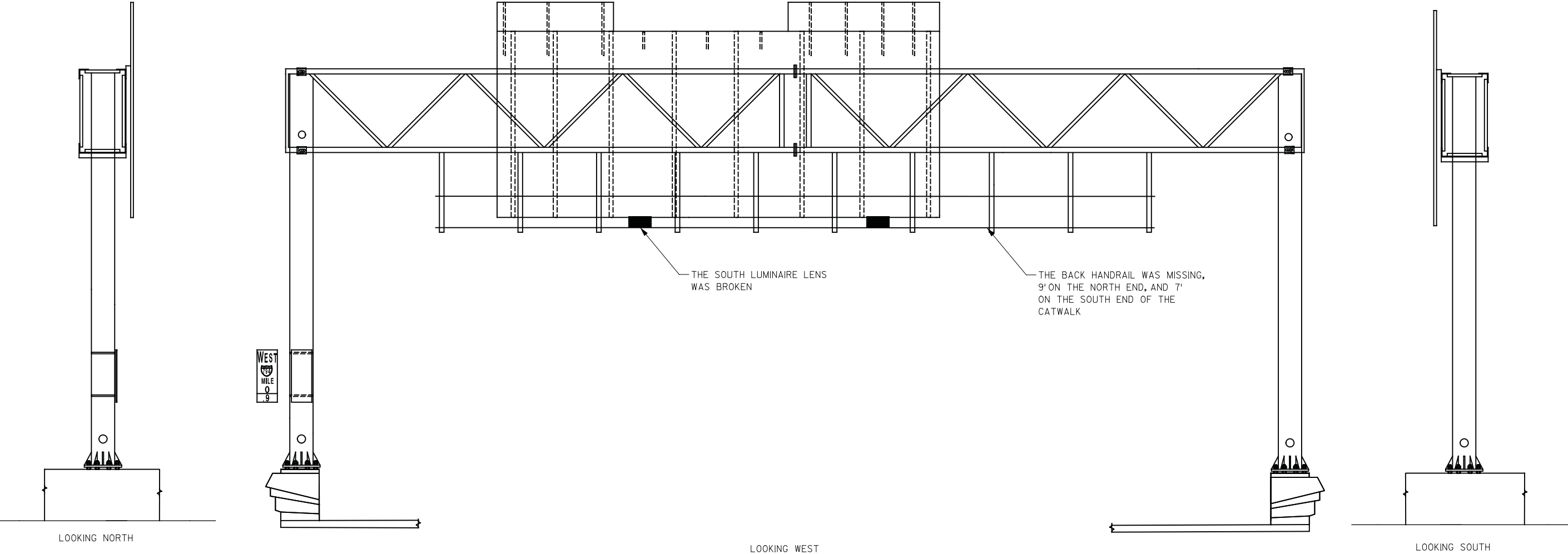
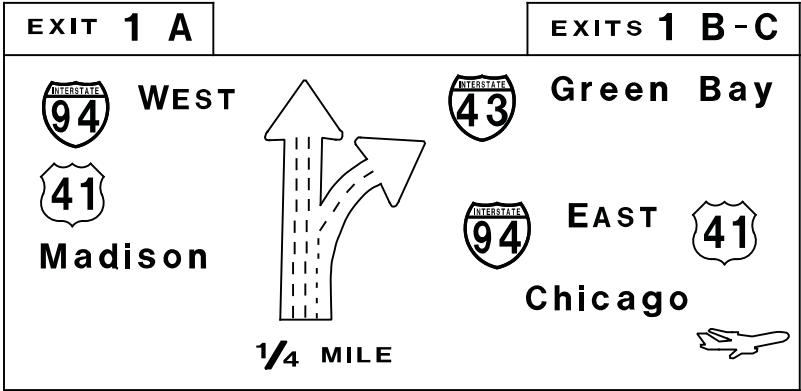
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.28	TYPE II FOLD UP SIGN HINGES	2 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-531			SHEET 78 OF 136



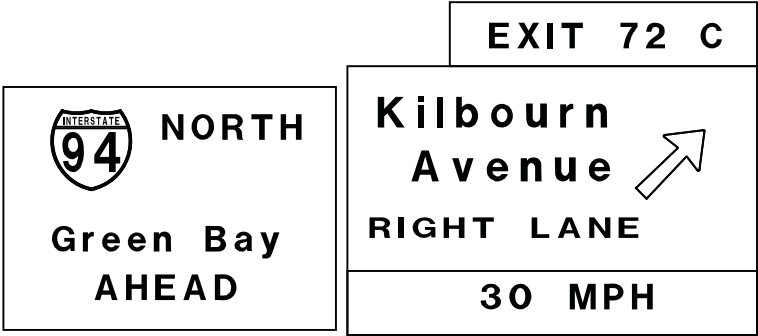
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.12	REPLACE SAFETY CHAIN	1 EACH	SHEET 6

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-533			SHEET 79 OF 136



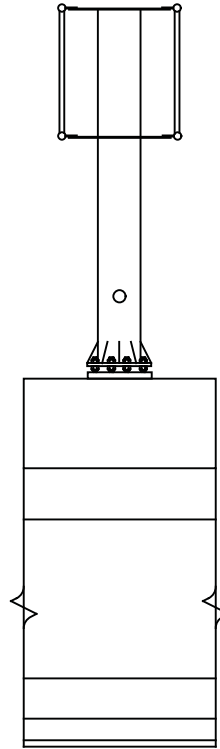
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.17	REPLACE LUMINAIRE LENS	1 EACH	SHEET 7
SPV.0090.01	INSTALL CATWALK BACK HANDRAIL	16 LF	SHEET 6

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-540			SHEET 80 OF 136

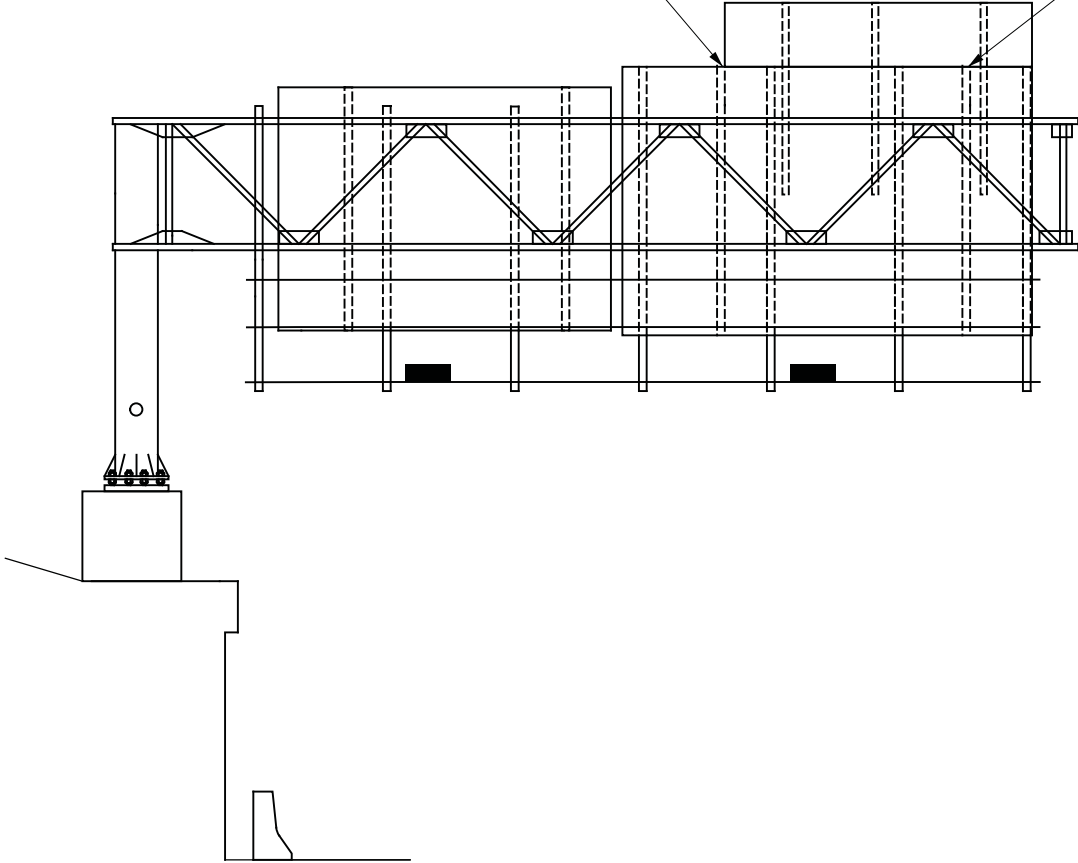


ONE SIGN PANEL CONNECTOR WAS CRACKED ON THE WEST VERTICAL SIGN SUPPORT ON THE EAST SIGN

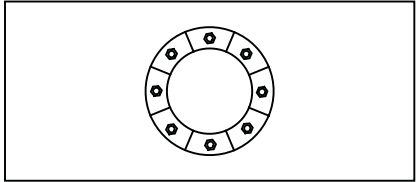
ONE SIGN PANEL CONNECTOR WAS LOOSE ON BOTH VERTICAL SIGN SUPPORTS ON THE EAST SIGN; INSPECTOR UNABLE TO TIGHTEN



LOOKING EAST



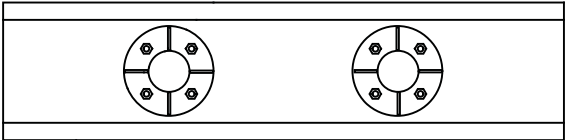
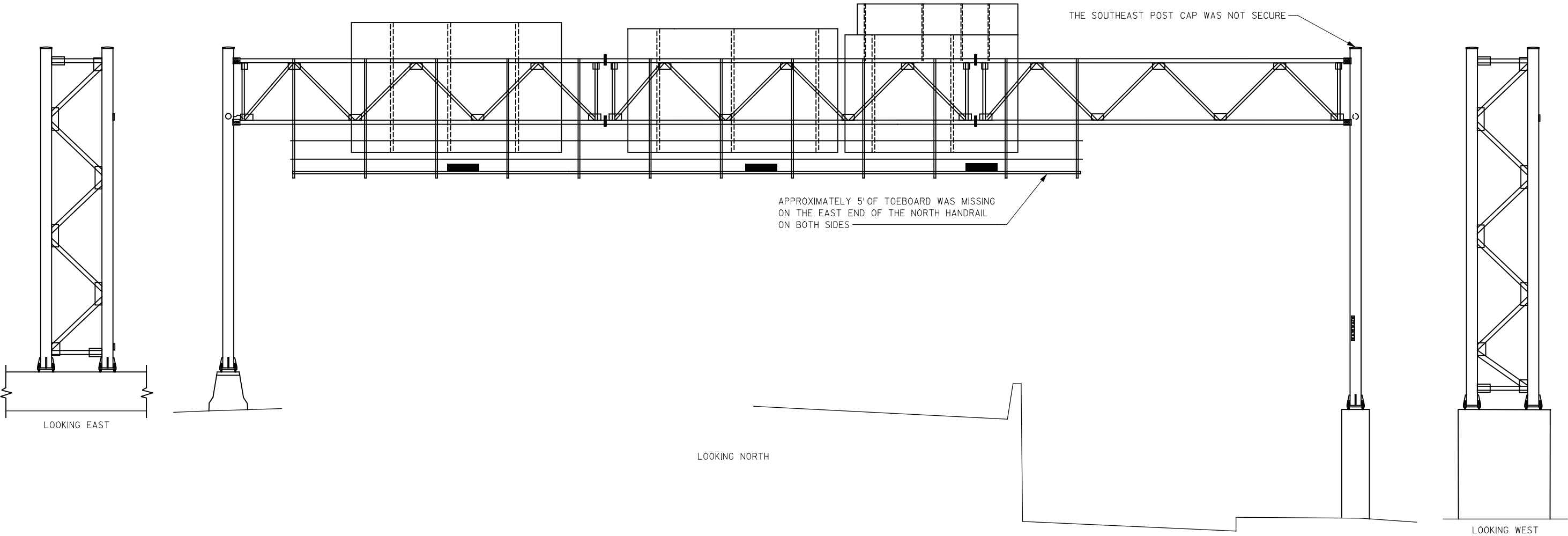
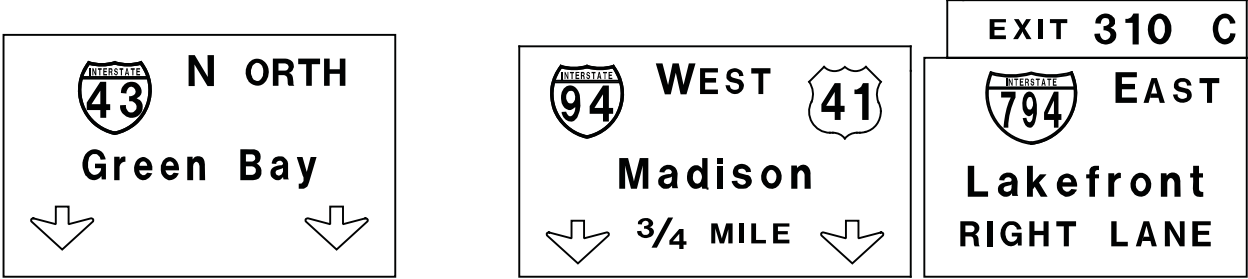
LOOKING NORTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	3 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-546			SHEET 81 OF 136





ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.16	SECURE POST CAP	1 EACH	SHEET 3
SPV.0090.02	REPLACE CATWALK TOE BOARD	5 LF	SHEET 6

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-549			SHEET 82 OF 136



THE UPPER-MIDDLE SIGN  
CONNECTION CLAMP WAS CRACKED  
ON THE WEST SIGN

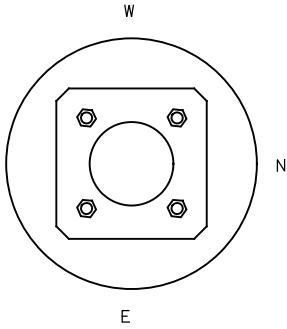
THE LOWER SIGN CONNECTION  
CLAMP WAS CRACKED THROUGH  
ON THE EAST SIGN



LOOKING WEST

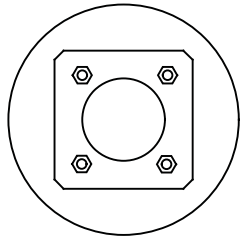
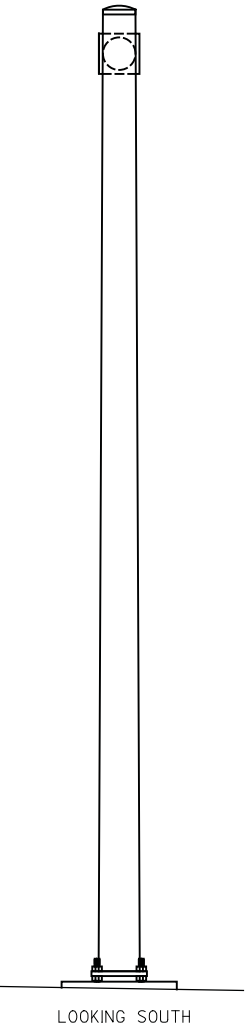
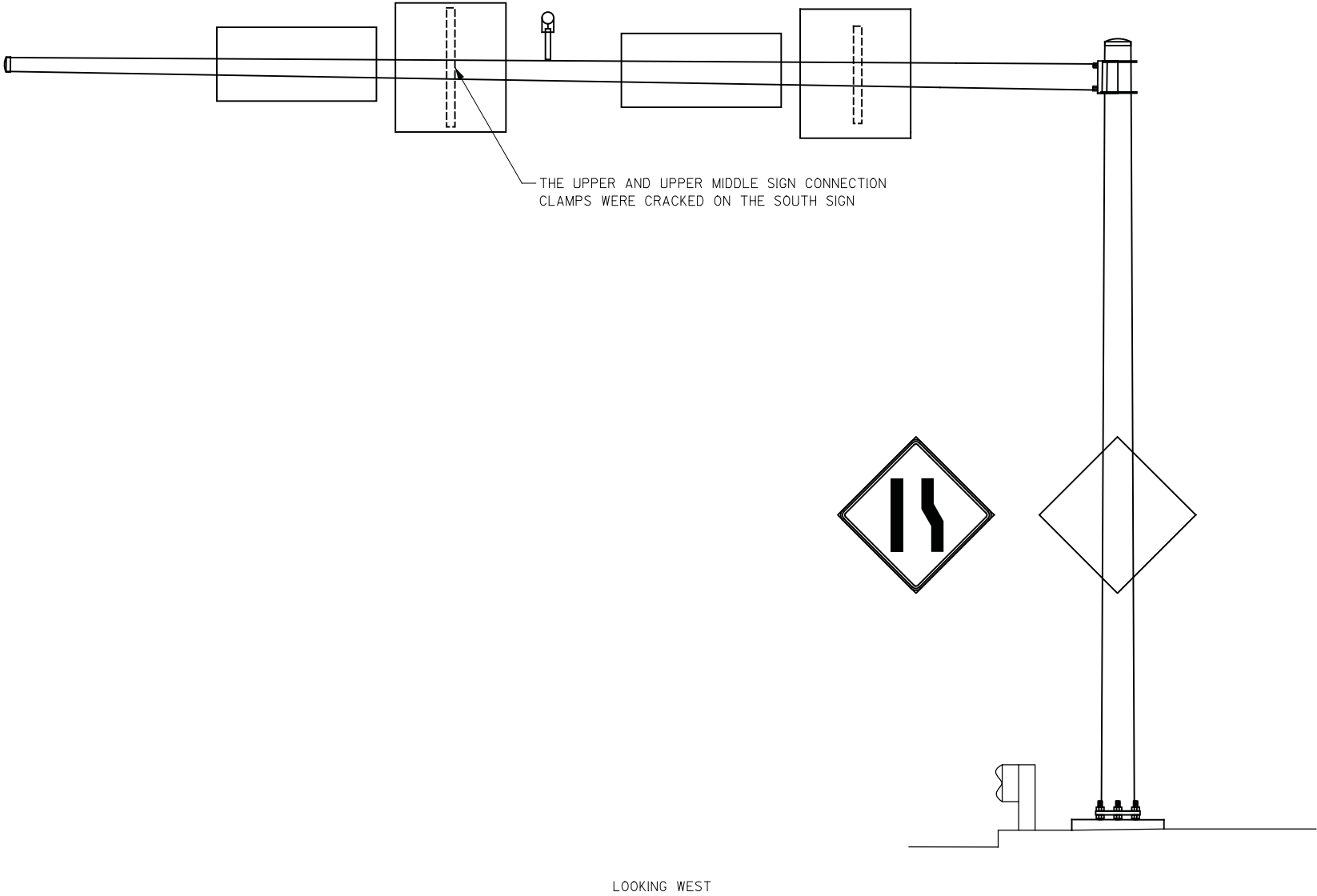


LOOKING SOUTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.06	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	2 EACH	SHEET 5

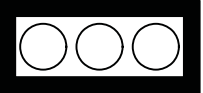
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-621			SHEET 83 OF 136



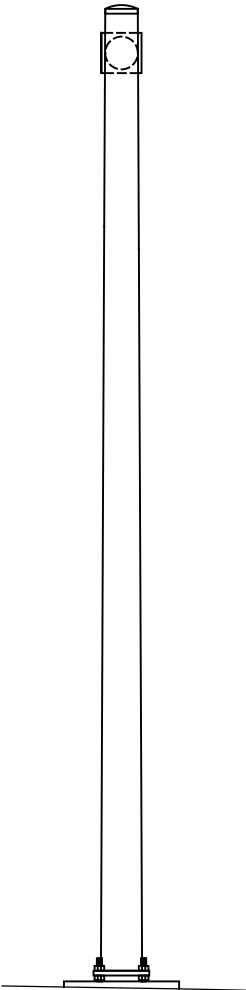
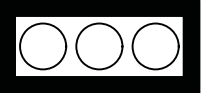
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.06	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-700			SHEET 84 OF 136

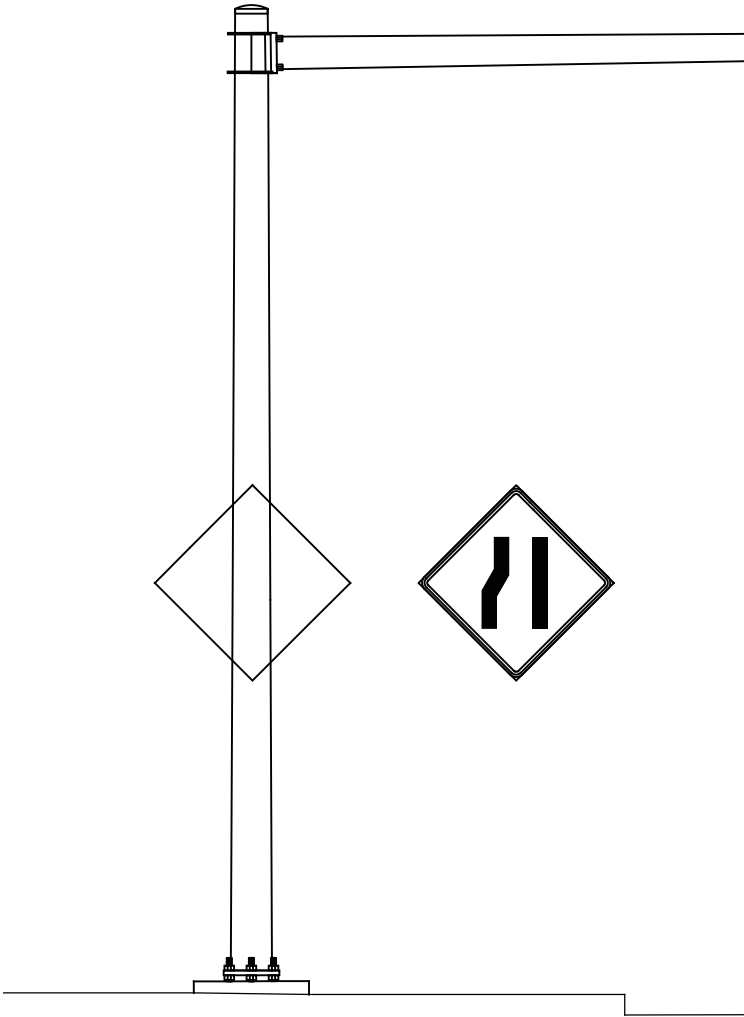
LEFT  
LANE  
SIGNAL



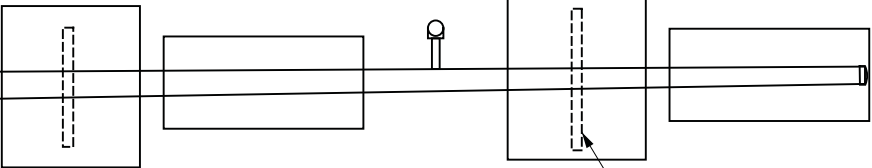
CENTER  
LANE  
SIGNAL



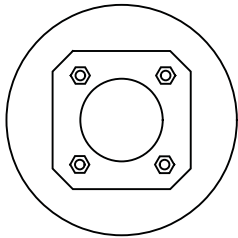
LOOKING EAST



LOOKING NORTH

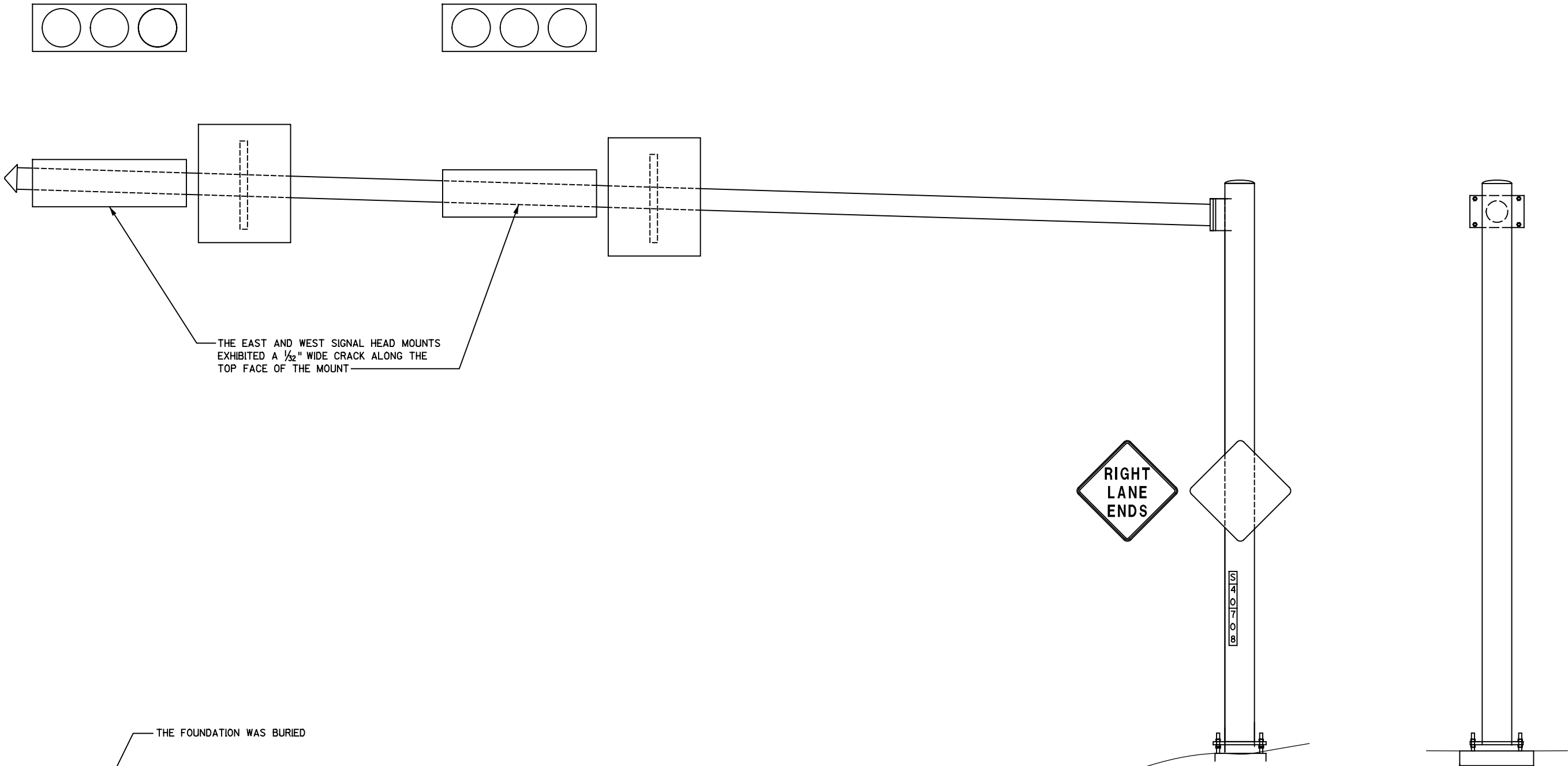


THE LOWER SIGN CONNECTION CLAMP  
WAS CRACKED ON THE EAST SIGN



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.06	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-701			SHEET 85 OF 136



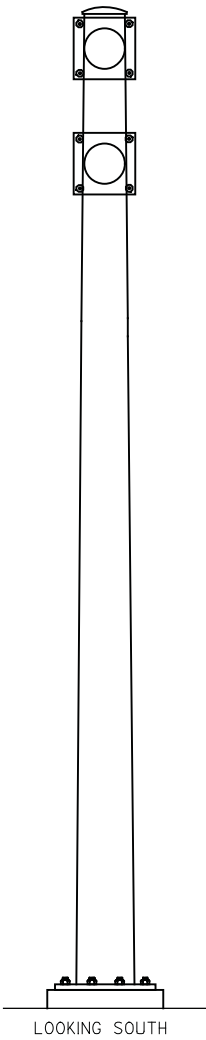
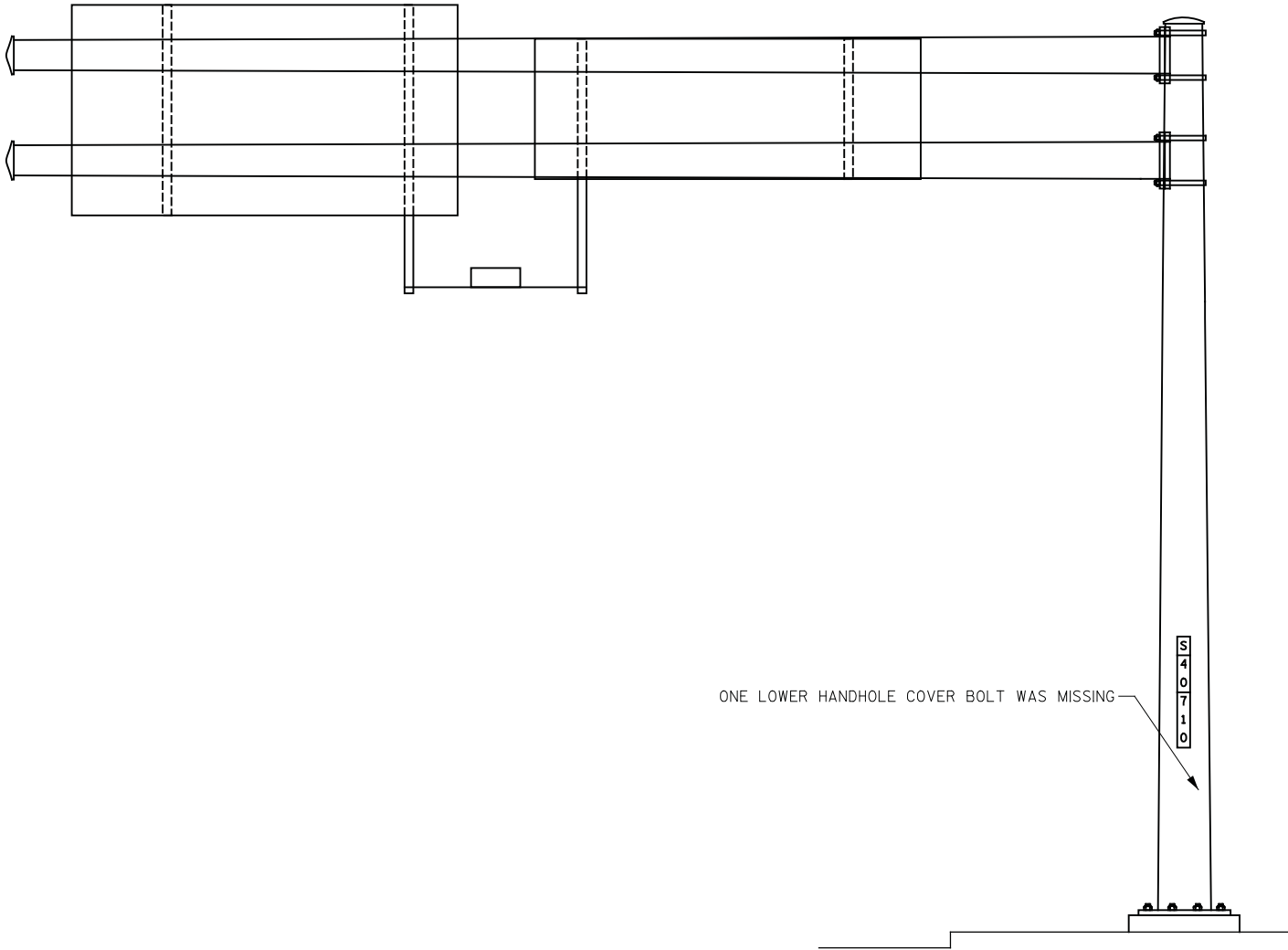
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
658.5069.01	SIGNAL MOUNTING HARDWARE S-40-708	1 LS	SHEET 5
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1
SPV.0060.32	REMOVE FILL AND REGRADE	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-708			SHEET 86 OF 136

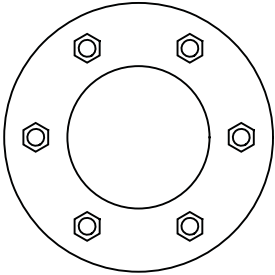
St Paul Ave  
25 th Street



Clybourn  
Street

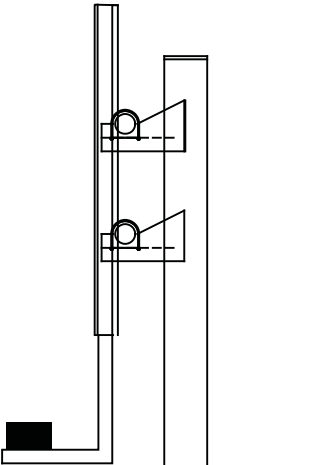
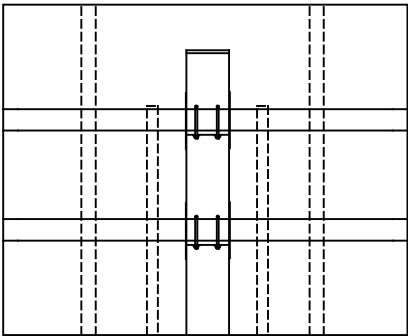


LOOKING WEST

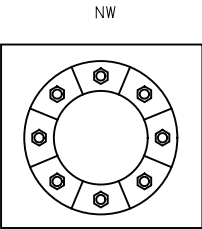


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.19	TIGHTEN/REPLACE HANDHOLE COVER BOLT	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-710			SHEET 87 OF 136



THE SIGN ID PLAQUE WAS MISSING



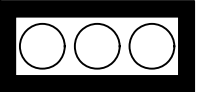
LOOKING NORTHEAST

LOOKING NORTHWEST

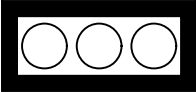
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.11	REPLACE SIGN BRIDGE ID PLAQUE	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-722			SHEET 88 OF 136

LEFT  
LANE  
SIGNAL

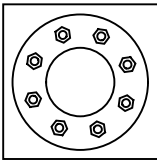
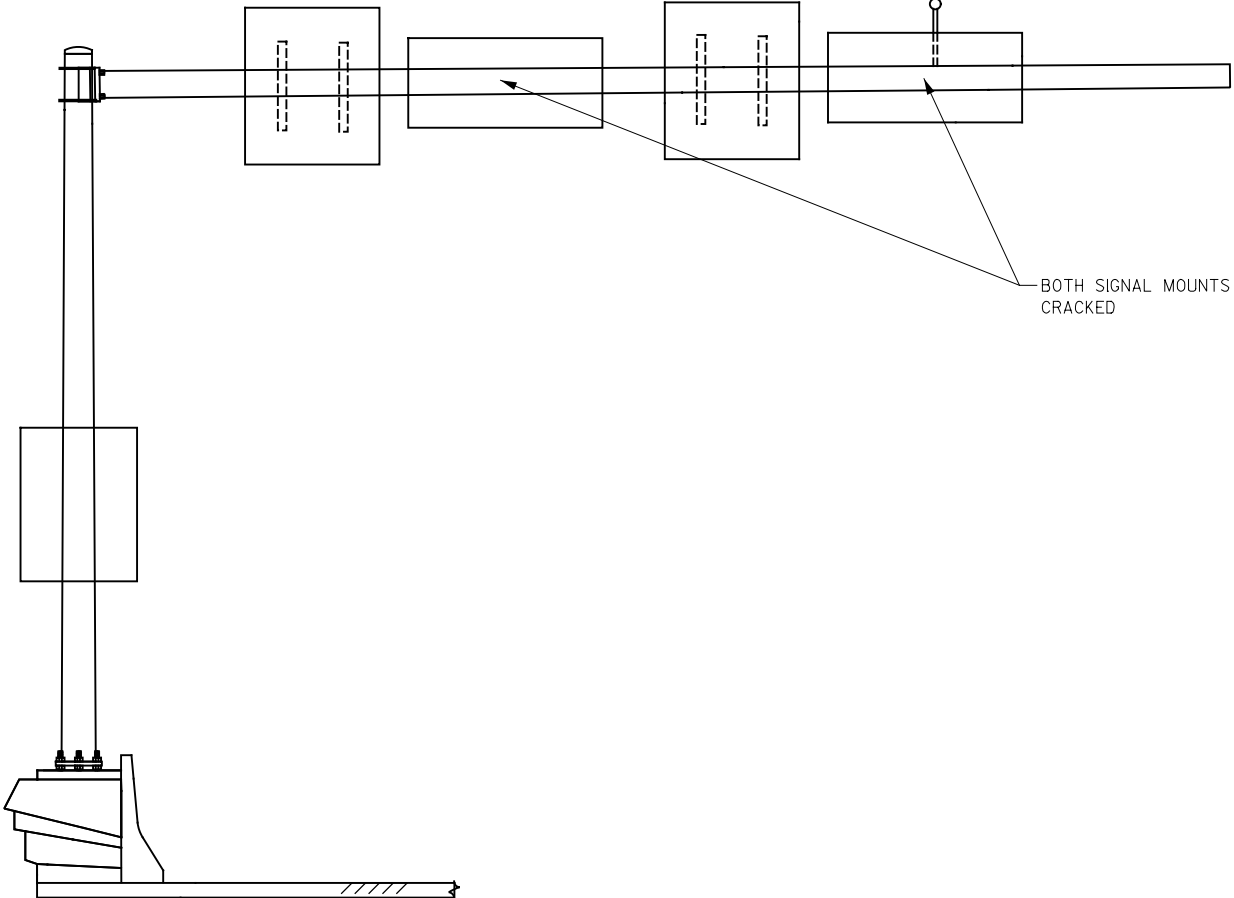
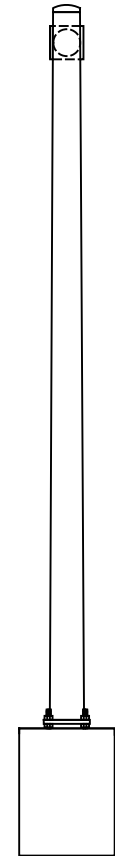


CENTER  
LANE  
SIGNAL



FORM  
TWO  
LINES

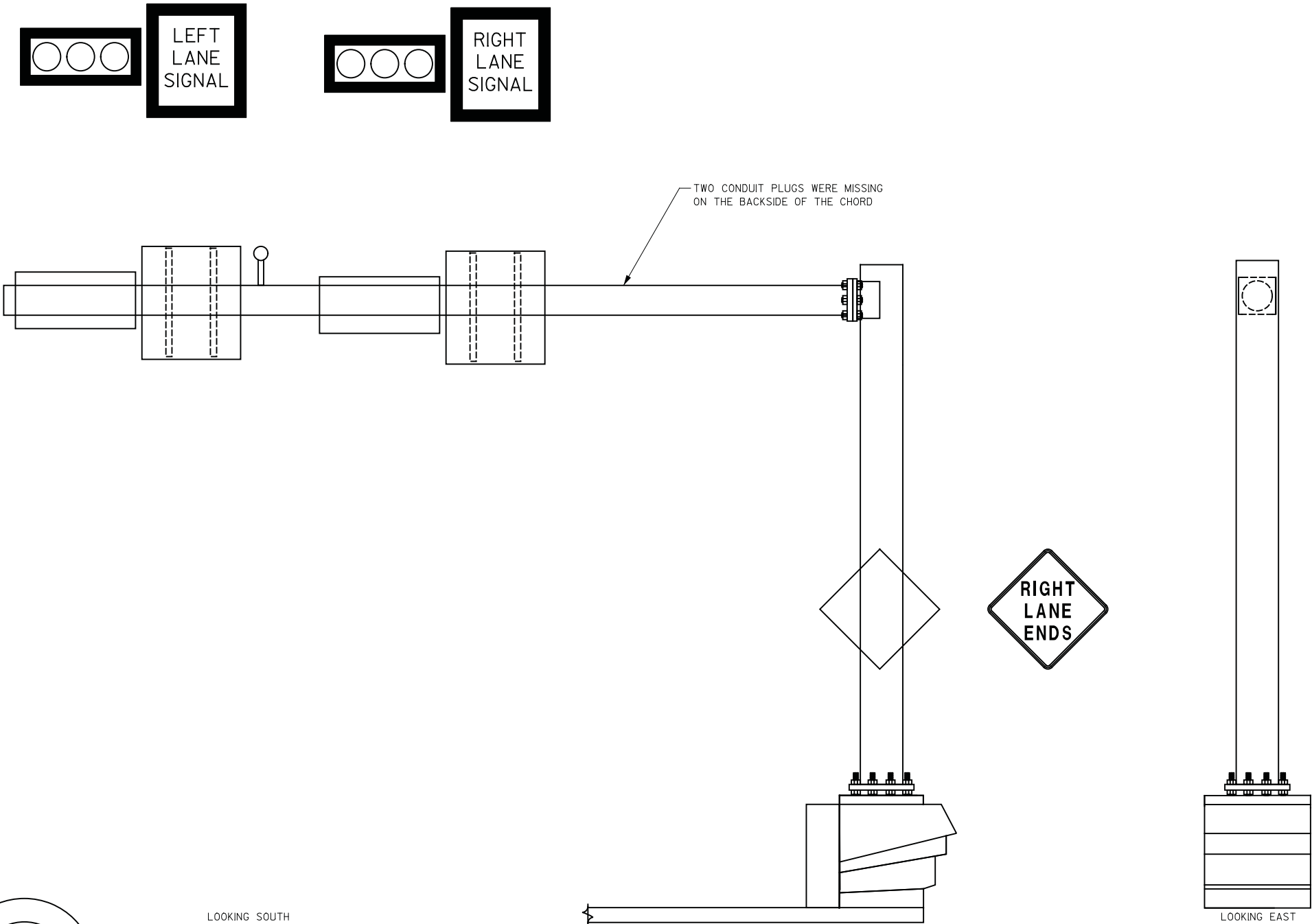
BOTH SIGNAL MOUNTS WERE  
CRACKED



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
658.5069.02	SIGNAL MOUNTING HARDWARE S-40-729	1LS	SHEET 5

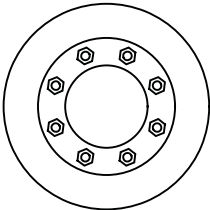
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-729			SHEET 89 OF 136





8

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ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.14	REPLACE MISSING CONDUIT PLUG	2 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-730			SHEET 90 OF 136

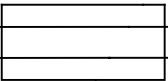
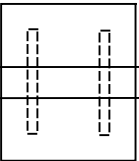
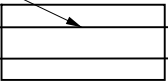
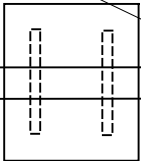
LEFT  
LANE  
SIGNAL



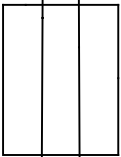
CENTER  
LANE  
SIGNAL



THE SOUTH SIGNAL MOUNT CONNECTION  
WAS CRACKED THROUGH

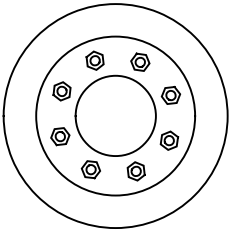


FORM  
SINGLE  
LINE



LOOKING NORTH

LOOKING WEST



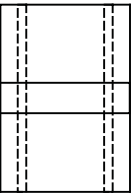
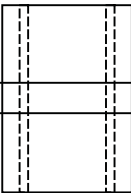
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
658.5069.03	SIGNAL MOUNTING HARDWARE S-40-731	1 LS	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-731			SHEET 91 OF 136



LOOKING WEST

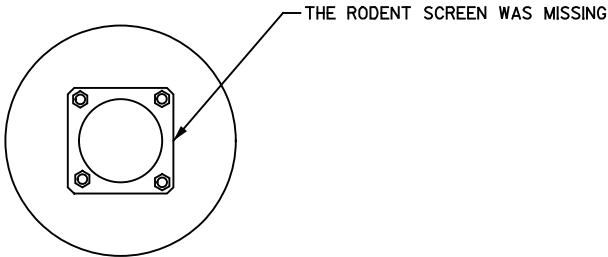
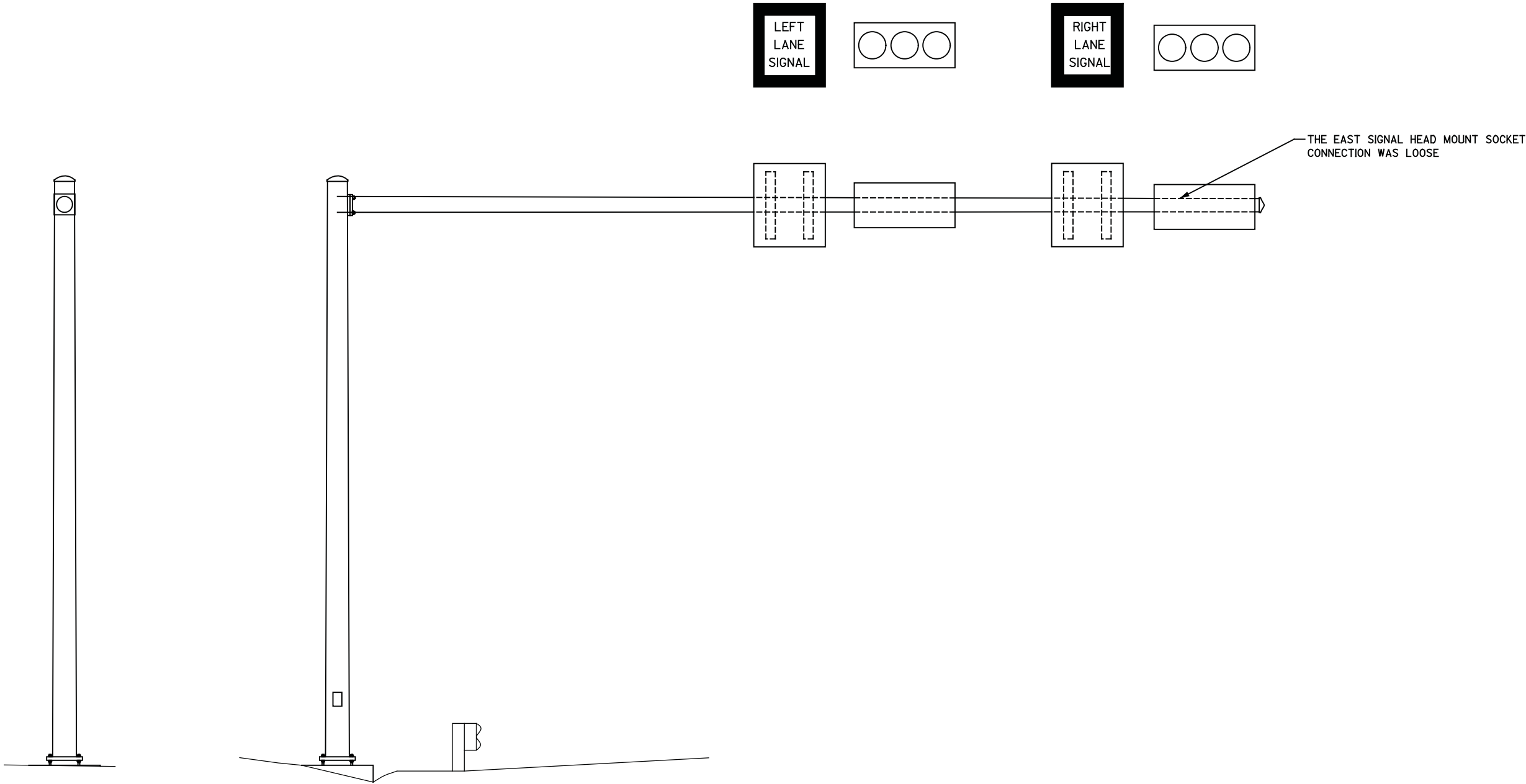
THE SIGN I.D.  
PLAQUE WAS MISSING



LOOKING SOUTH

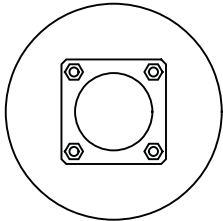
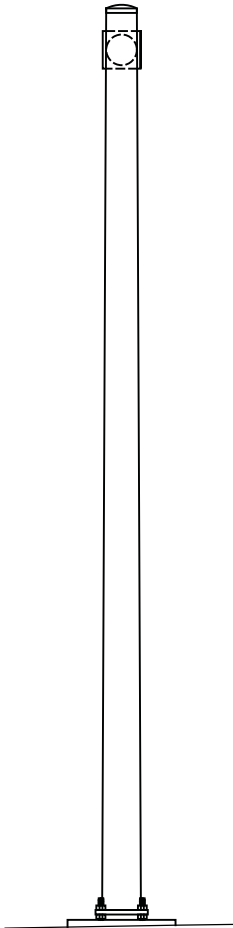
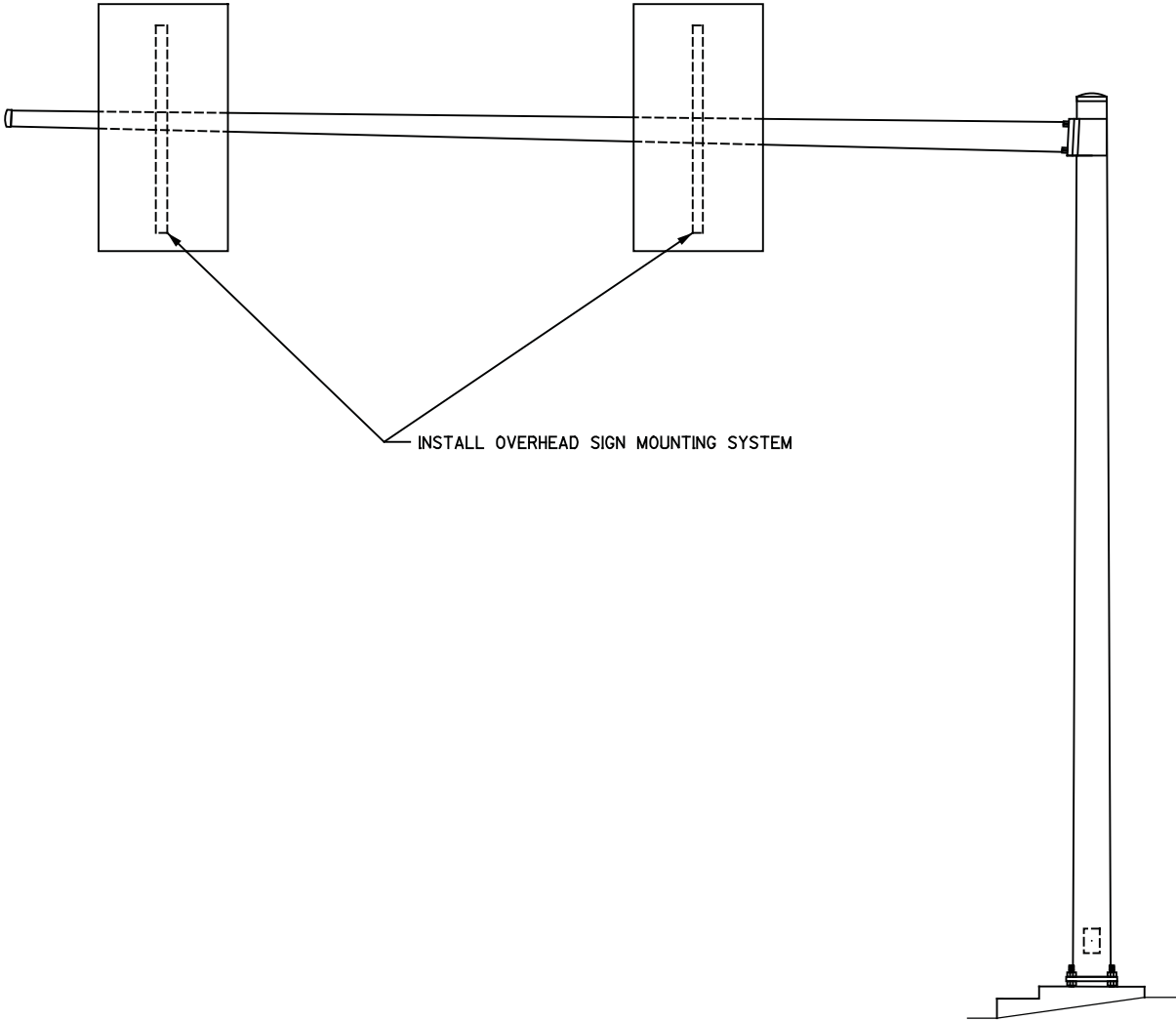
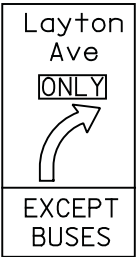
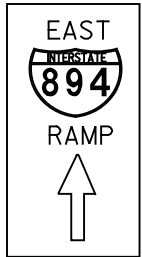
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-733			SHEET 92 OF 136

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.11	REPLACE SIGN BRIDGE ID PLAQUE	1 EACH	SHEET 5



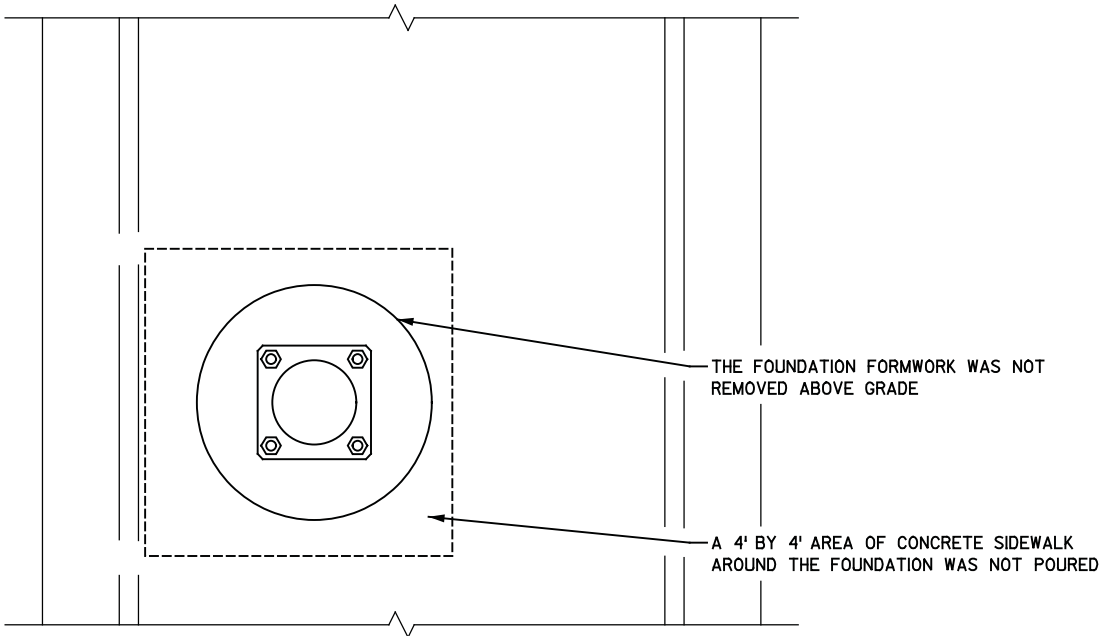
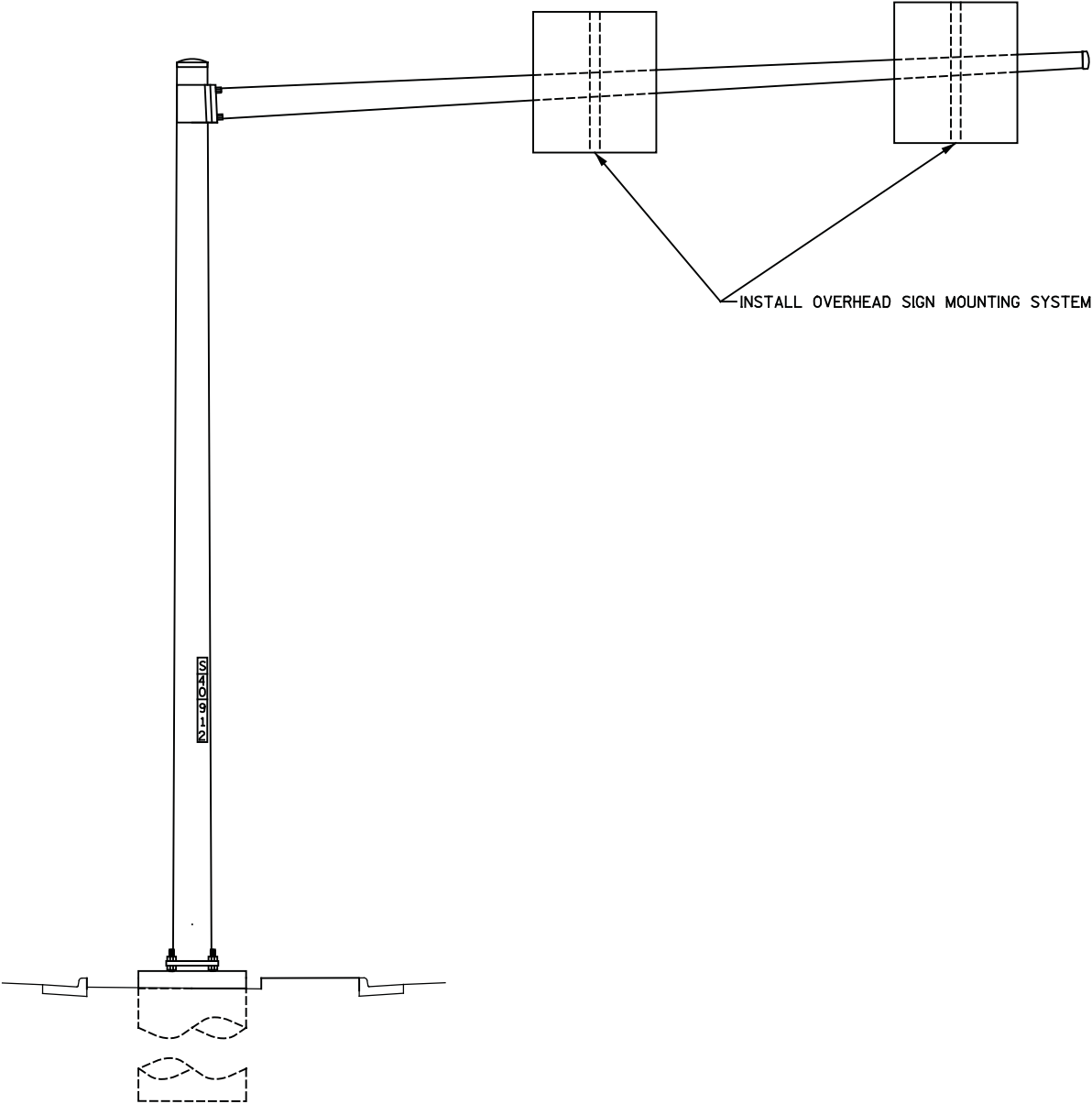
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1
SPV.0060.26	TIGHTEN SIGNAL MOUNT SOCKET CONNECTION	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-903			SHEET 93 OF 136



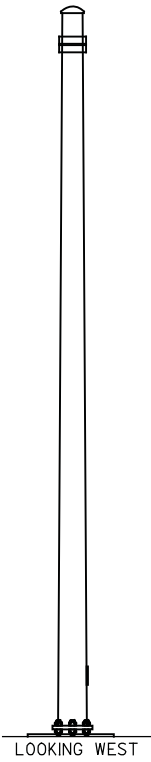
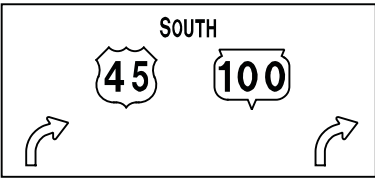
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.06	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	2 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-905			SHEET 94 OF 136

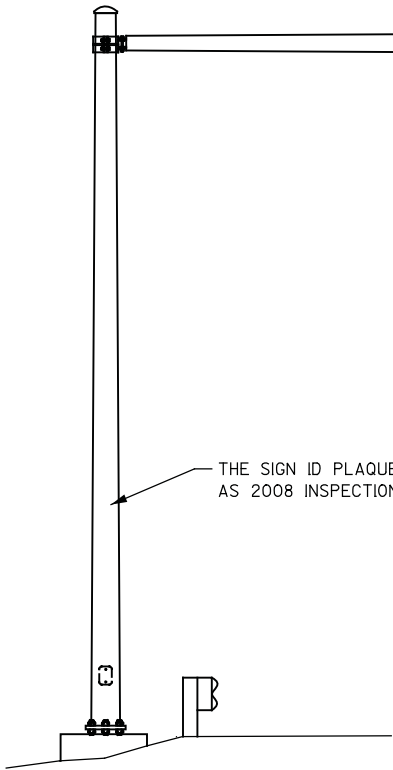


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
602.0410	CONCRETE SIDEWALK (5-INCH)	16 SF	SHEET 1
SPV.0060.01	REMOVE FORMWORK TO GRADE	1 EACH	SHEET 1
SPV.0060.06	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	2 EACH	SHEET 5

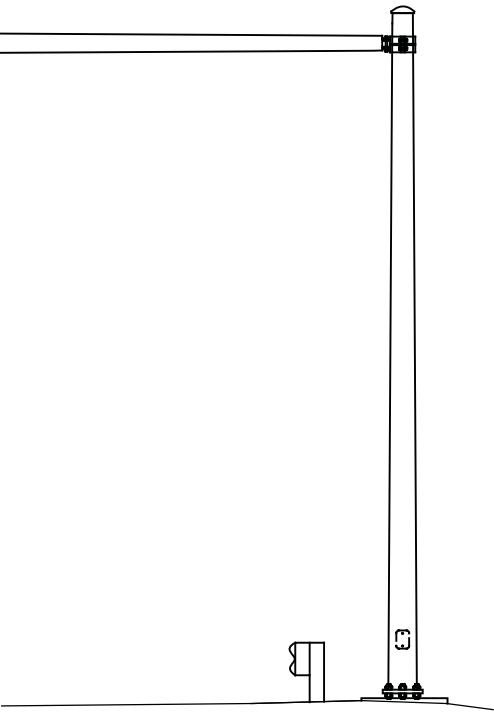
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-912			SHEET 95 OF 136



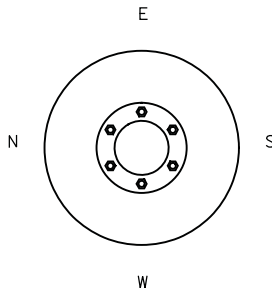
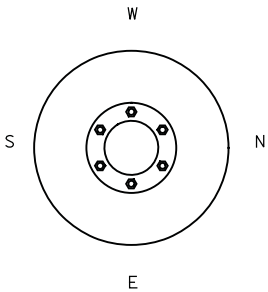
LOOKING WEST



LOOKING SOUTH

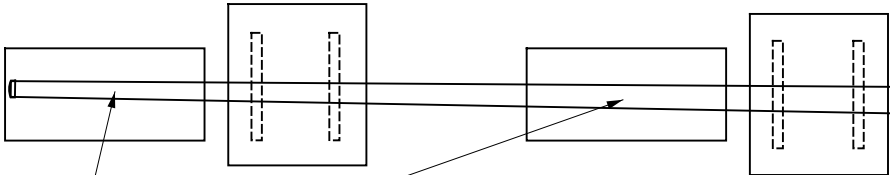


LOOKING EAST

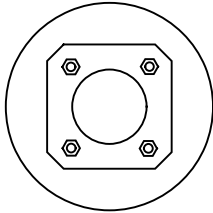
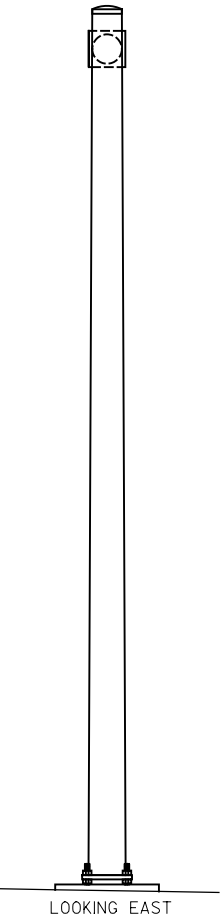
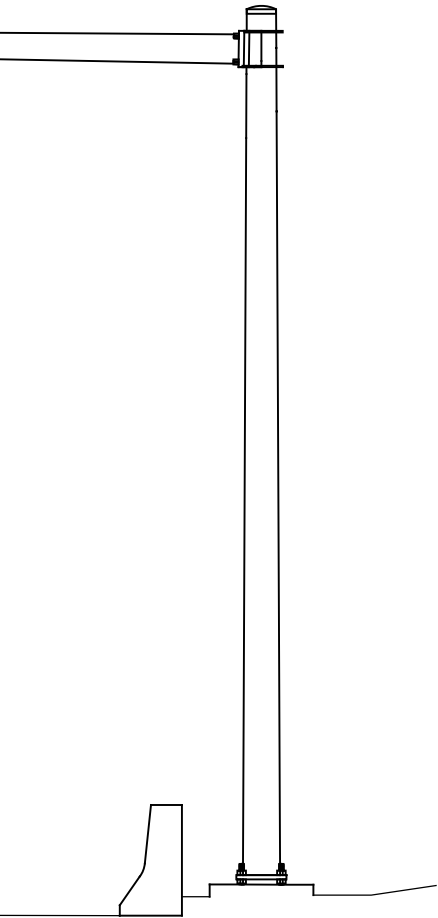


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.11	REPLACE SIGN BRIDGE ID PLAQUE	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-916			SHEET 96 OF 136



BOTH SIGNAL SOCKET MOUNTS WERE  
CRACKED



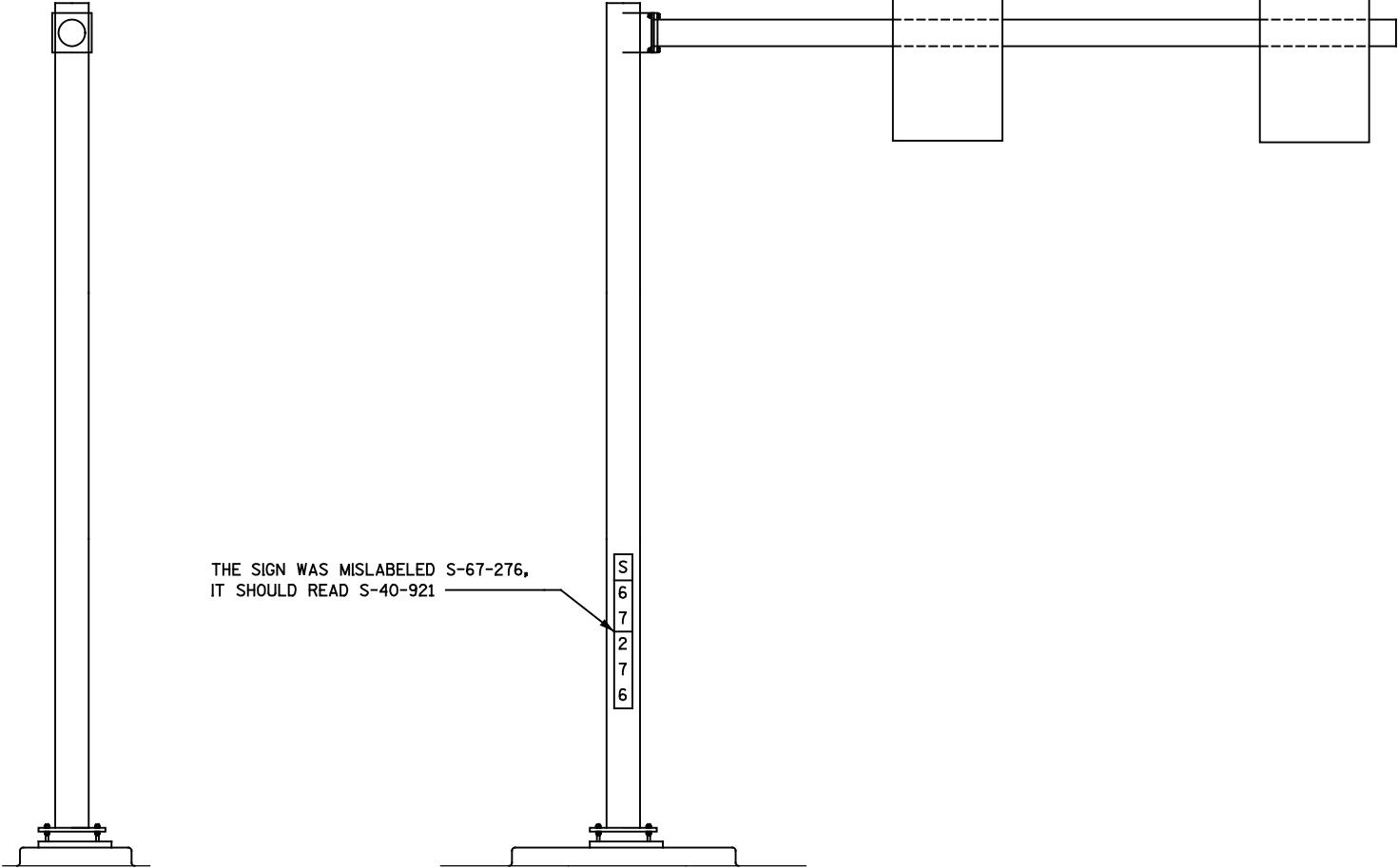
LOOKING SOUTH

LOOKING EAST

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
658.5069.04	SIGNAL MOUNTING HARDWARE S-40-917	1LS	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-917			SHEET 97 OF 136

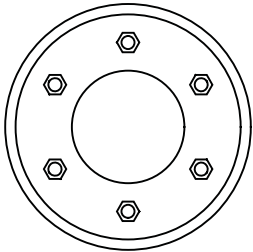




THE SIGN WAS MISLABELED S-67-276,  
IT SHOULD READ S-40-921

S  
6  
7  
2  
7  
6

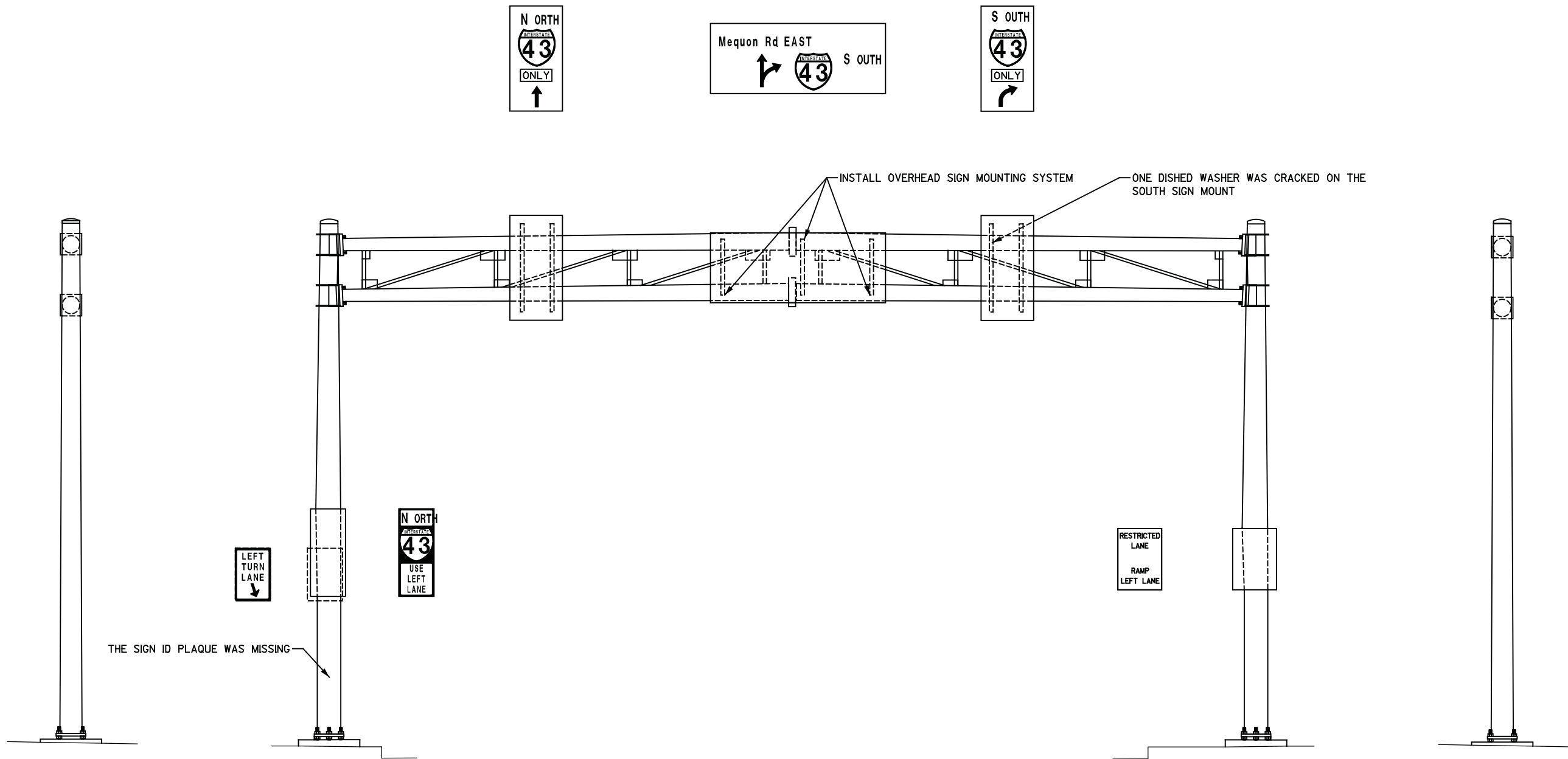
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8

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.11	REPLACE SIGN BRIDGE ID PLAQUE	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-40-921			SHEET 98 OF 136

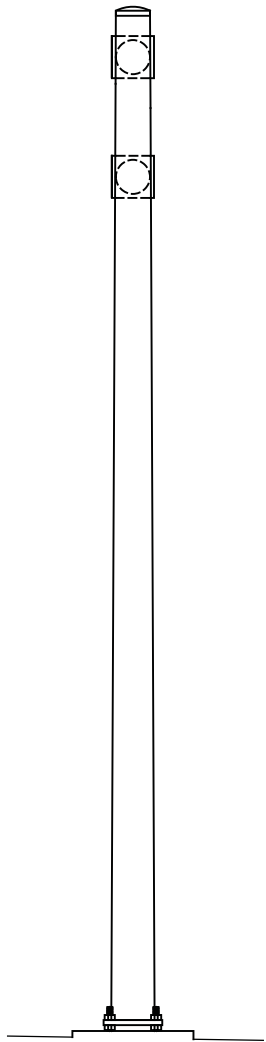
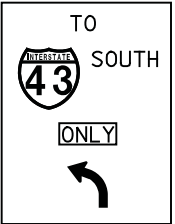


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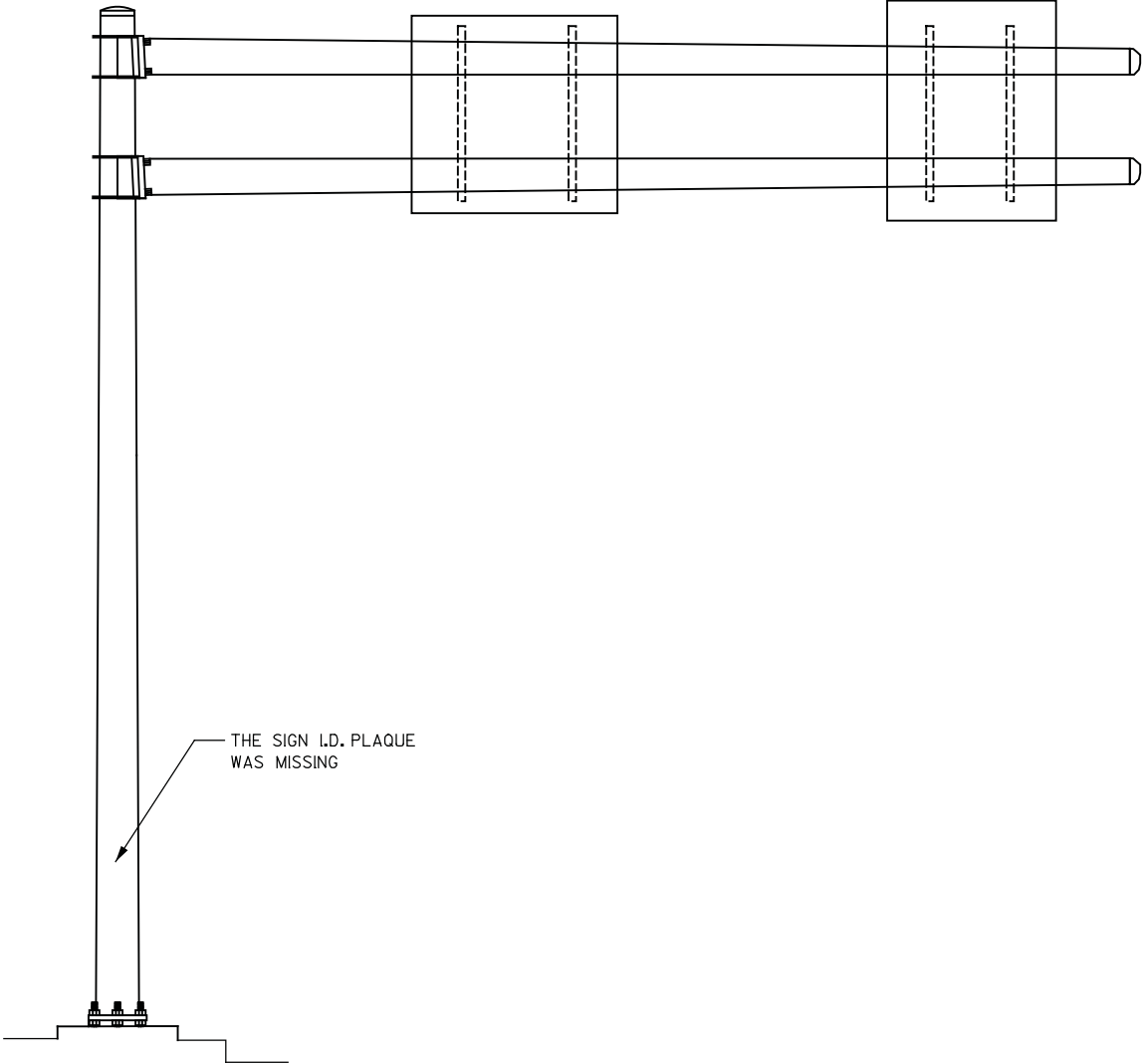
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ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.06	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	3 EACH	SHEET 5
SPV.0060.11	REPLACE SIGN BRIDGE ID PLAQUE	1 EACH	SHEET 5
SPV.0060.27	REPLACE DISHED WASHER	1 EACH	SHEET 5

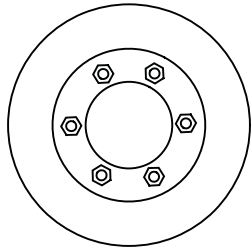
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-45-201			SHEET 99 OF 136



LOOKING WEST

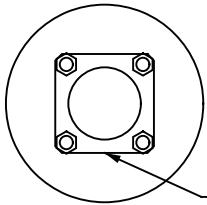
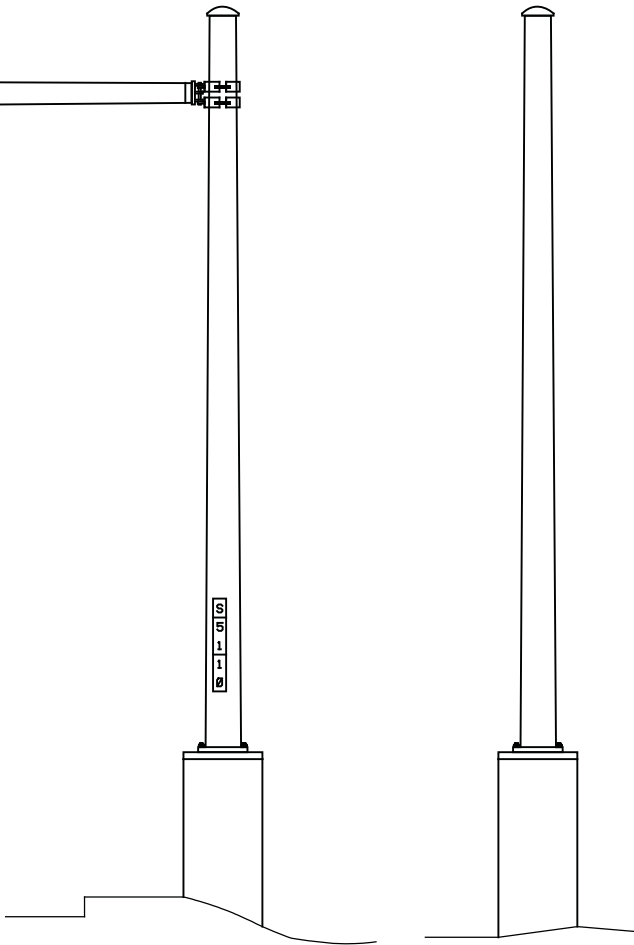
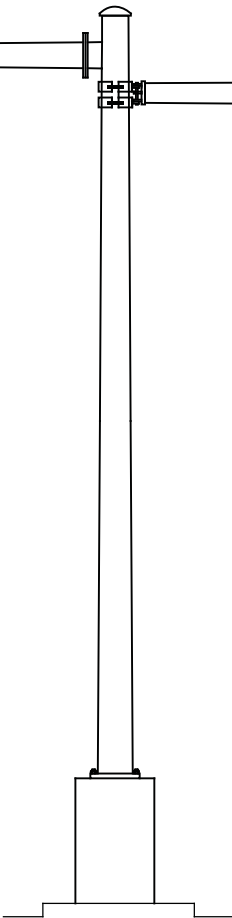
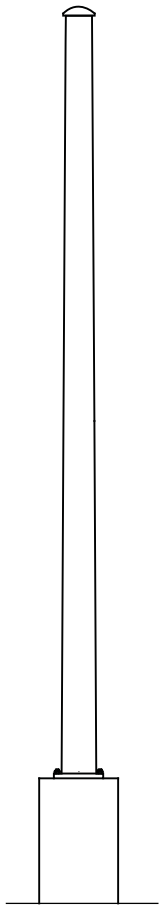


LOOKING SOUTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.11	REPLACE SIGN BRIDGE ID PLAQUE	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-45-600			SHEET 100 OF 136

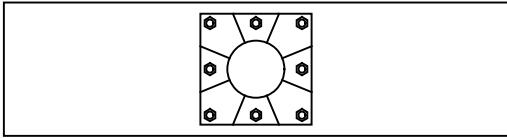
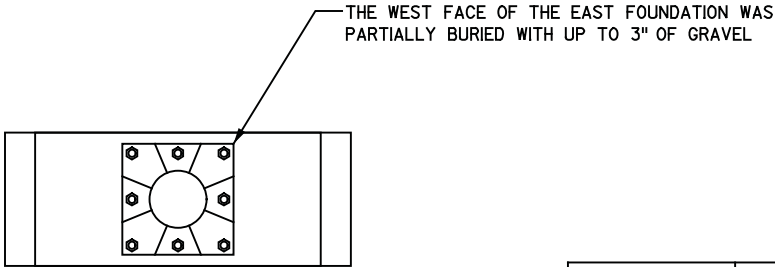
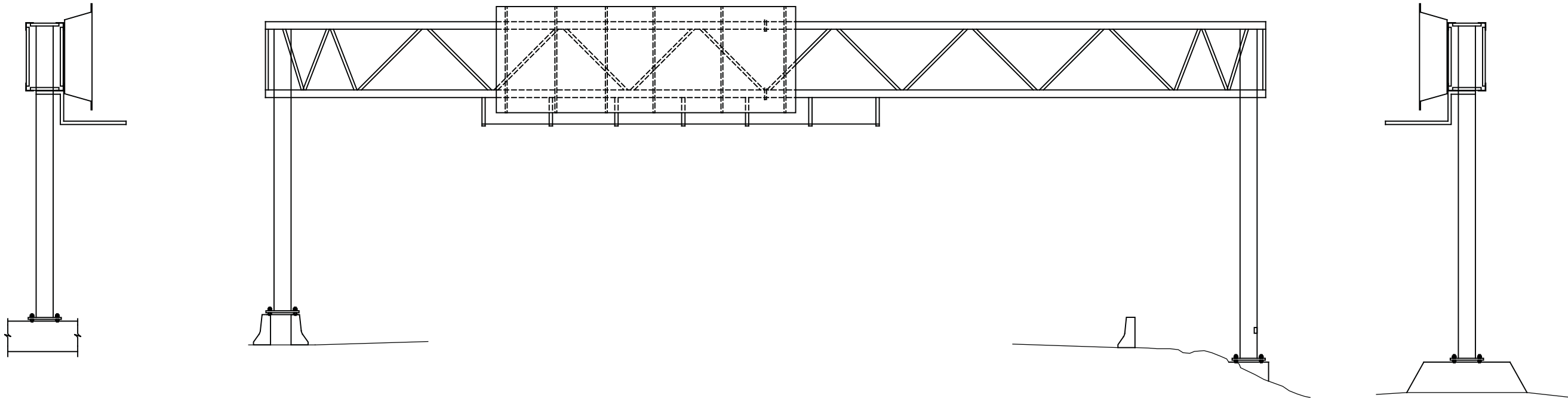


THE WEST FACE OF THE SOUTH FOUNDATION  
EXHIBITED A 2'HIGH BY 1'WIDE SPALL  
WITH 2" MAXIMUM PENETRATION AND EXPOSED  
REBAR WITH HEAVY CORROSION AND APPROXIMATELY  
10% LOSS OF SECTION

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
509.1500	CONCRETE SURFACE REPAIR	2 SF	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-51-10			SHEET 101 OF 136

V.M.S.



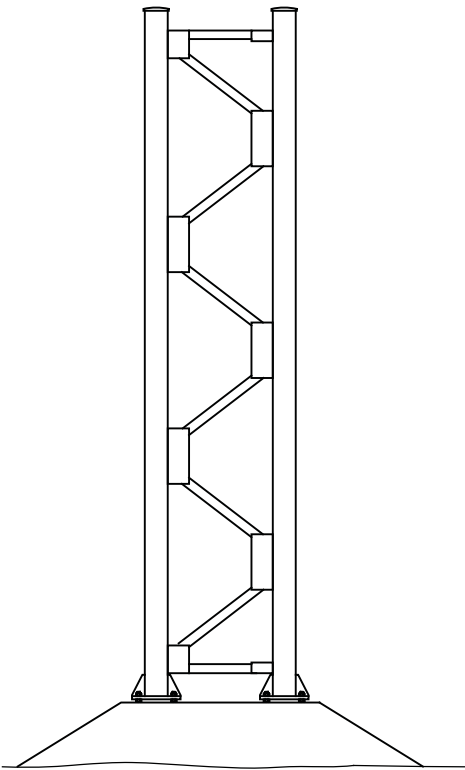
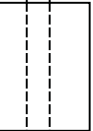
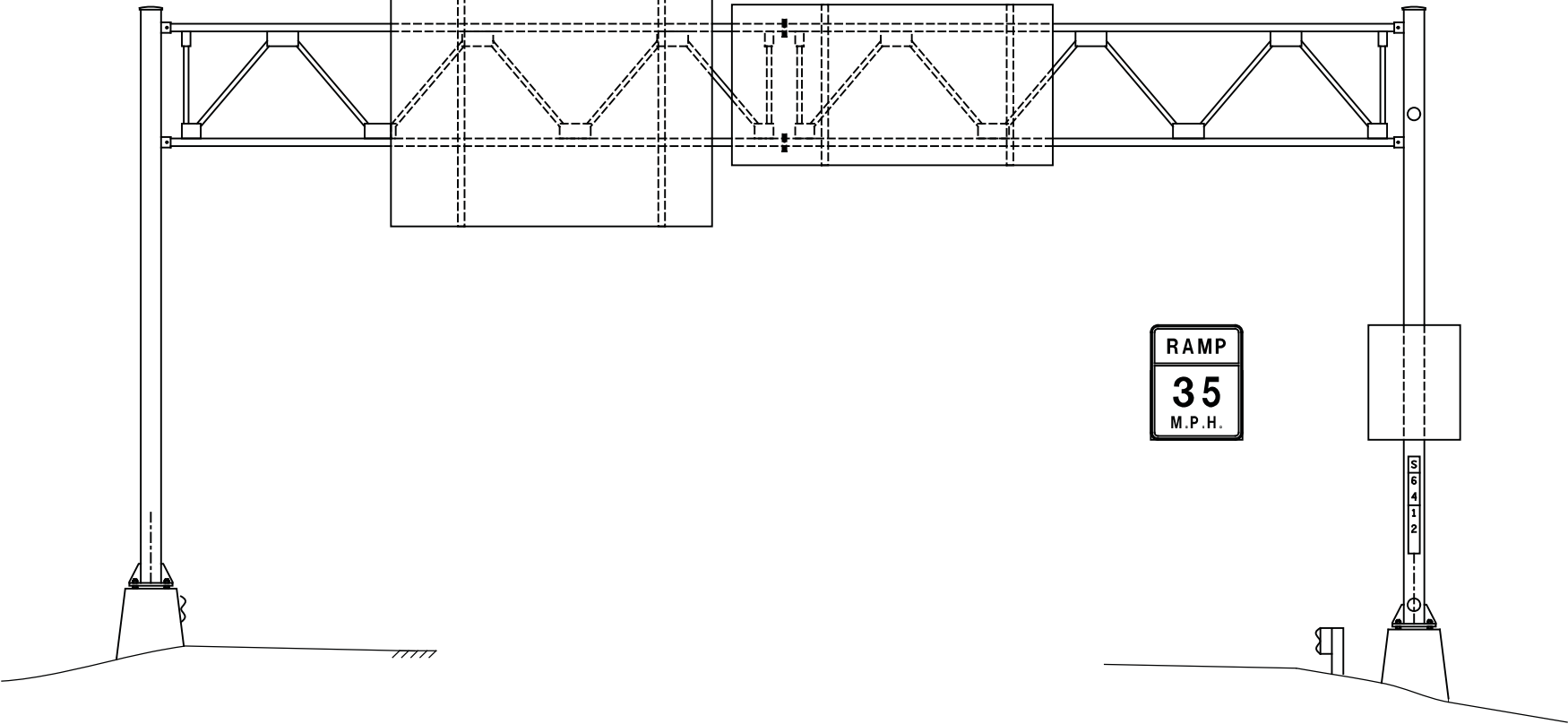
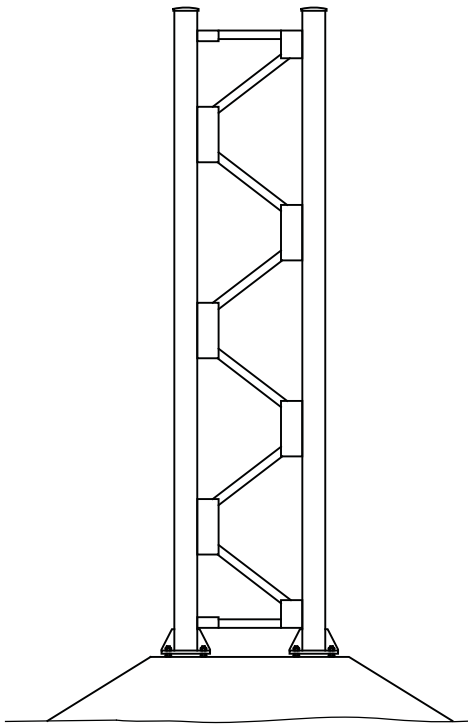
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.32	REMOVE FILL AND REGRADE	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-51-401			SHEET 102 OF 136

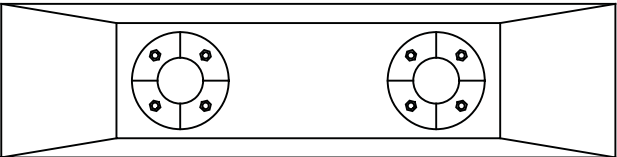
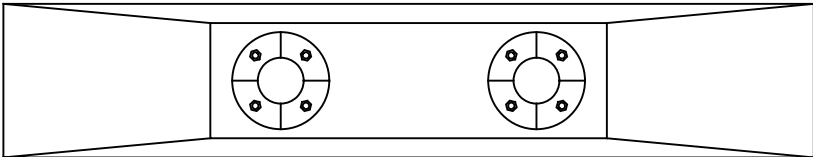


1 SIGN PANEL CONNECTOR WAS LOOSE ON THE SOUTH WINDBEAM OF THE SOUTH SIGN

1 SIGN PANEL CONNECTOR WAS MISSING ON THE NORTH WINDBEAM OF THE SOUTH SIGN



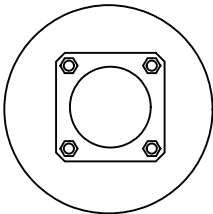
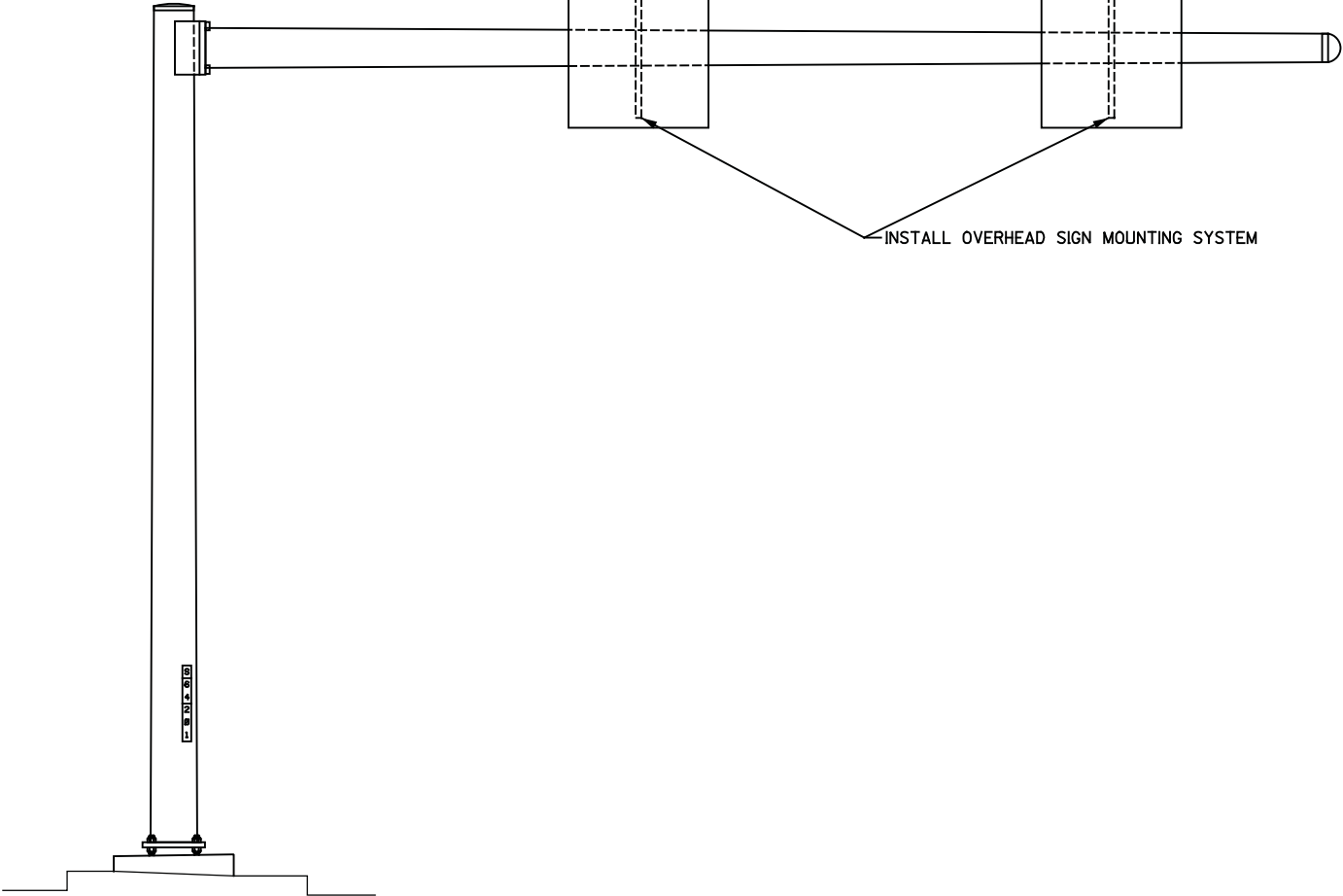
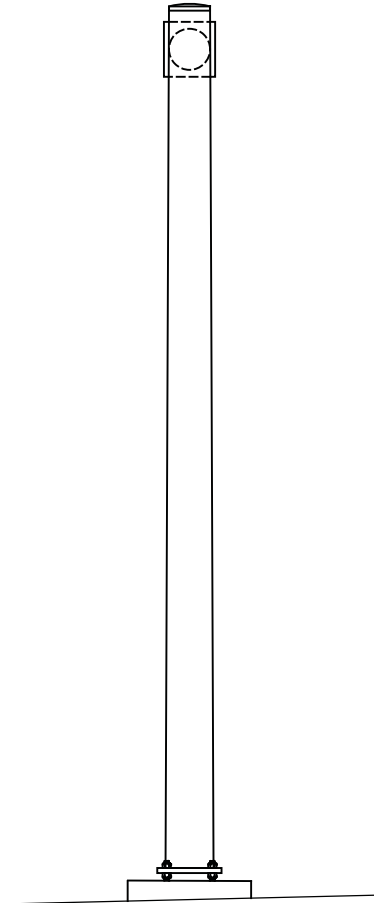
8



8

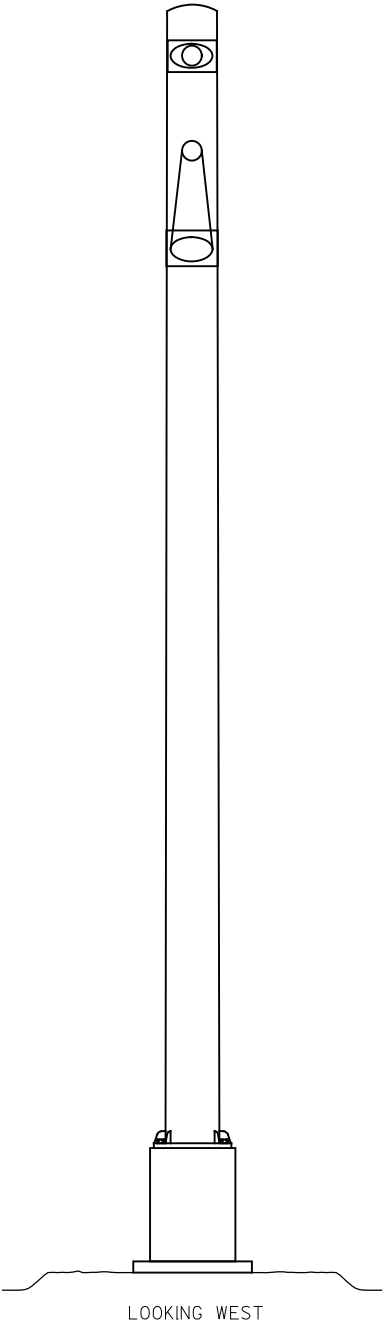
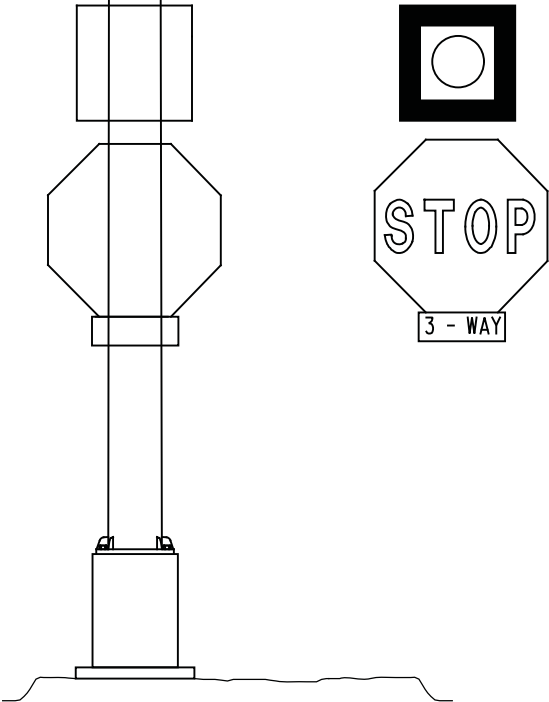
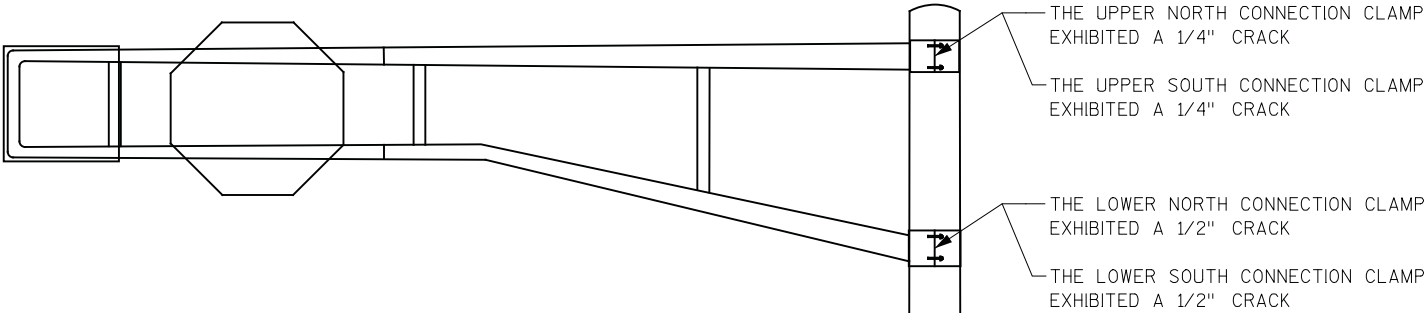
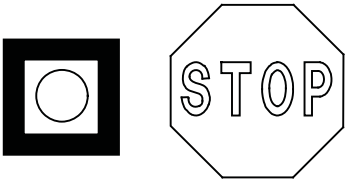
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	2 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-64-12			SHEET 103 OF 136



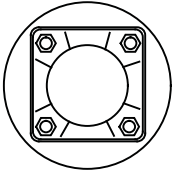
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.06	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	2 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-64-201			SHEET 104 OF 136



LOOKING SOUTH

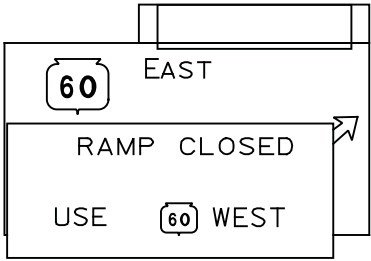
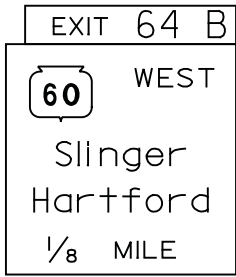
LOOKING WEST



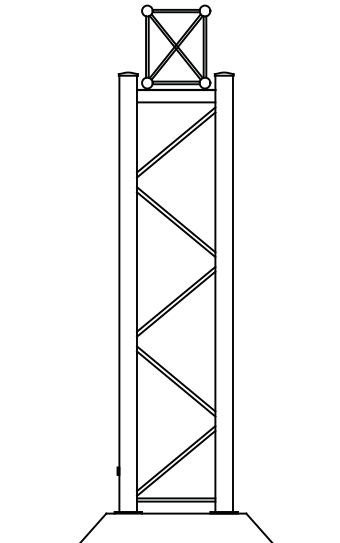
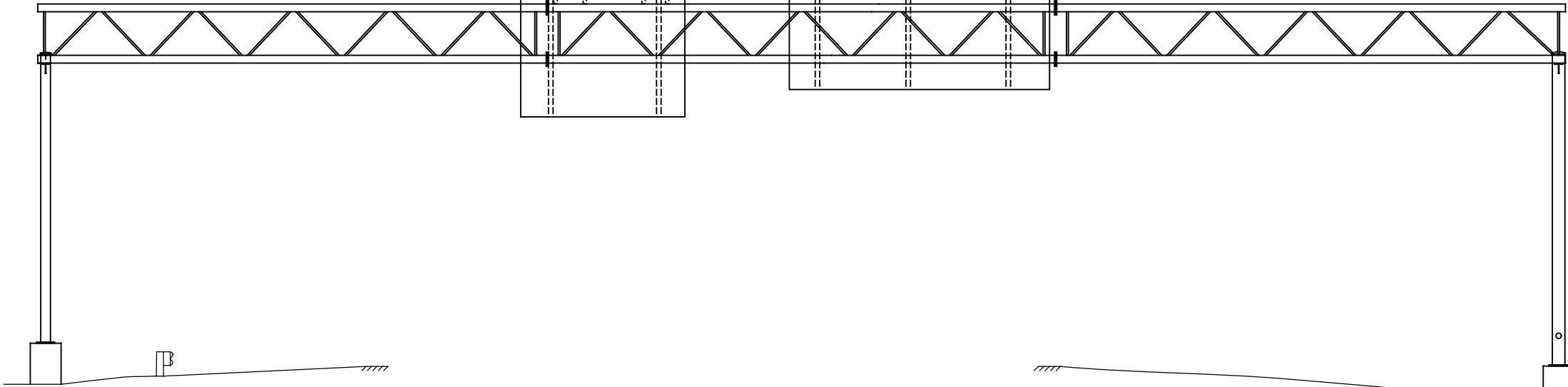
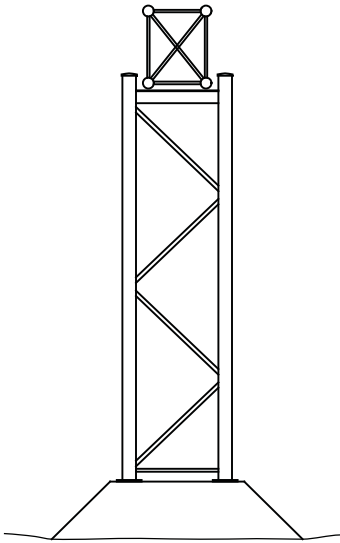
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.02	REPAIR WELD	4 EACH	SHEET 3

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-64-206			SHEET 105 OF 136





22 SIGN PANEL CONNECTORS  
WERE MISSING ON THE WEST SIGN



LOOKING EAST

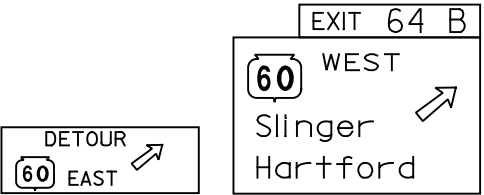
LOOKING NORTH

LOOKING WEST

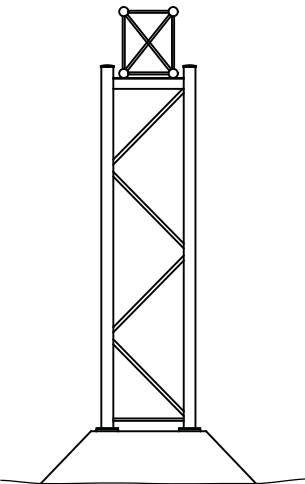


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	22 EACH	SHEET 5

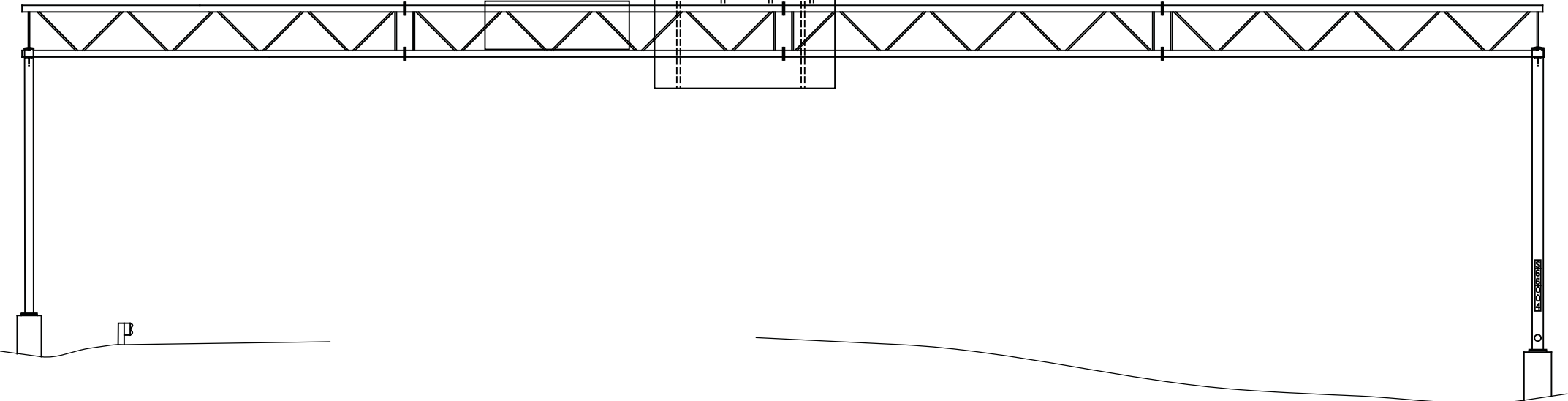
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-66-3			SHEET 106 OF 136



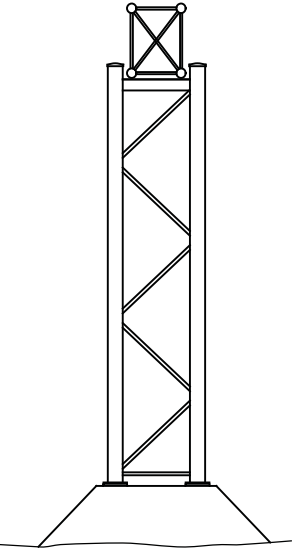
18 SIGN PANEL CONNECTORS WERE MISSING ON THE EAST SIGN



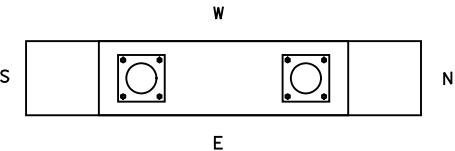
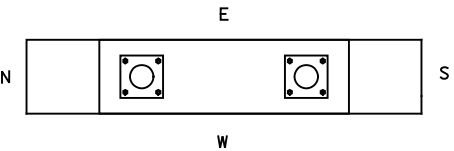
LOOKING EAST



LOOKING NORTH



LOOKING WEST



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	18 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-66-4			SHEET 107 OF 136

Q

1/2

Pilgrim Rd2 3/4

74

100

3

167

EAST

3/4

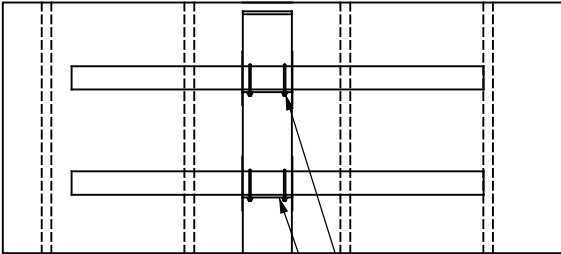
167

WEST

4 1/4

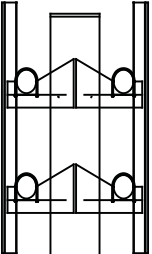
45

6



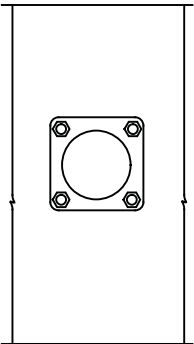
ONE CONNECTION U-BOLT NUT WAS LOOSE ON THE UPPER NORTH CHORD (SAME AS 2008 INSPECTION)

THREE CONNECTION U-BOLT NUTS WERE LOOSE ON THE LOWER SOUTH CHORD (WORSE THAN 2008 INSPECTION)



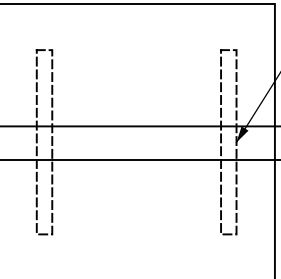
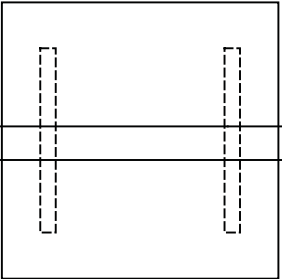
LOOKING SOUTH

LOOKING EAST



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.04	TENSION POST TO TRUSS CONNECTION BOLT	4 EACH	SHEET 3

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-66-200			SHEET 108 OF 136



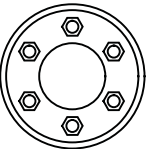
ONE SIGN MOUNT CONNECTION CLAMP  
BOLT WAS MISSING ON THE NORTH  
SIGN



LOOKING NORTH

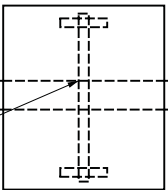
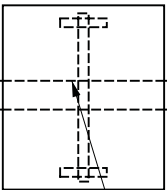
S  
6  
6  
2  
0  
3

LOOKING WEST

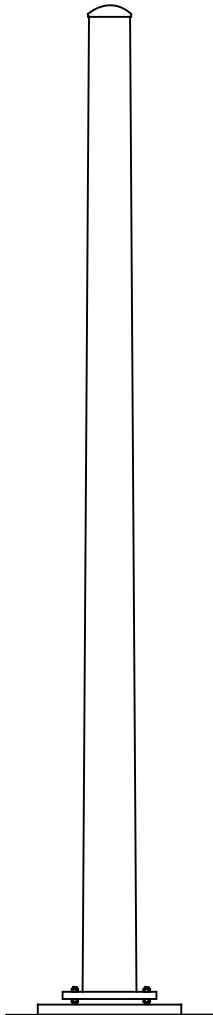


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE SIGN MOUNT CONNECTION BOLT	1 EACH	SHEET 5

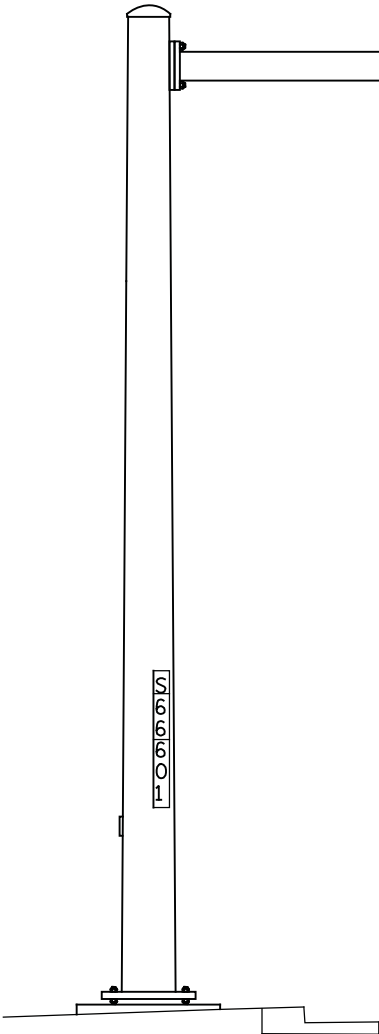
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-66-203			SHEET 109 OF 136



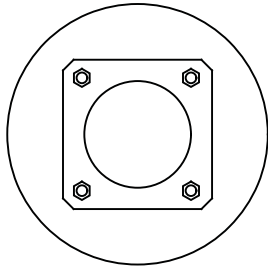
THE UPPER MIDDLE SIGN CONNECTION CLAMP  
WAS CRACKED ON BOTH SIGNS



LOOKING NORTH

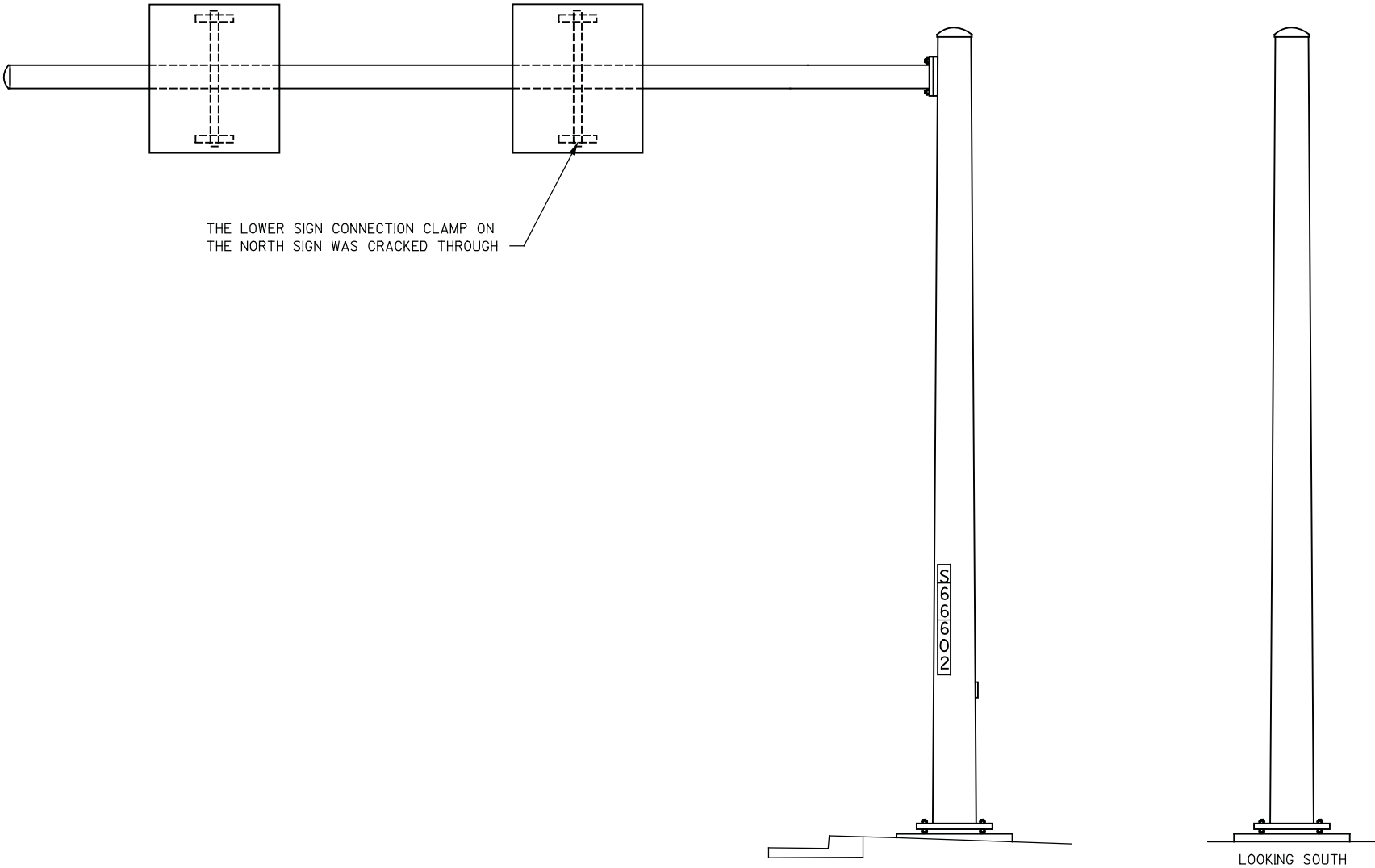
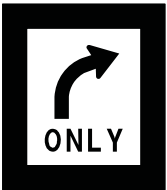


LOOKING EAST



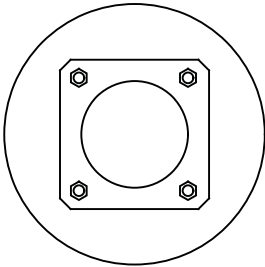
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.06	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	2 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-66-601			SHEET 110 OF 136



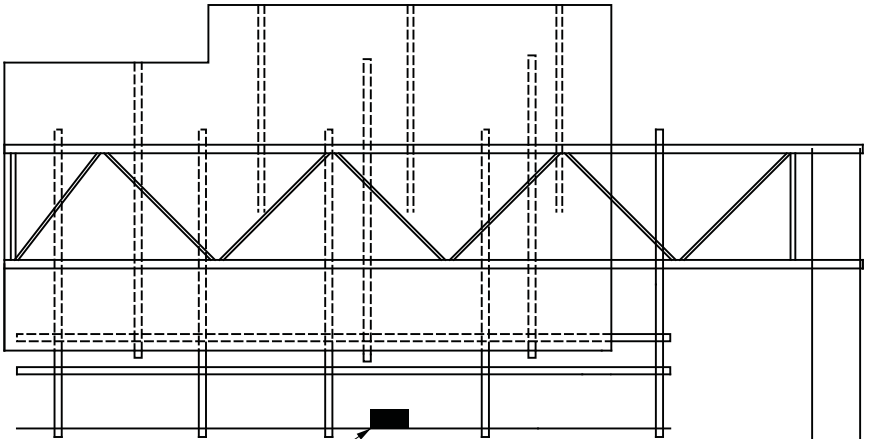
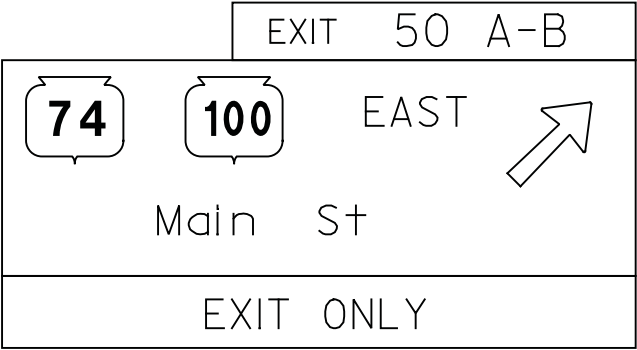
LOOKING WEST

LOOKING SOUTH



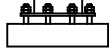
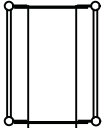
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.06	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-66-602			SHEET 111 OF 136

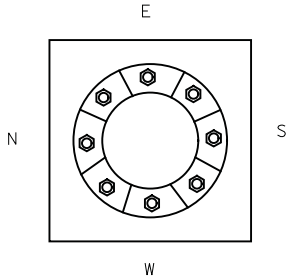


BOTH LUMINAIRE COVER BOLTS WERE SHEARED OFF

LOOKING SOUTH

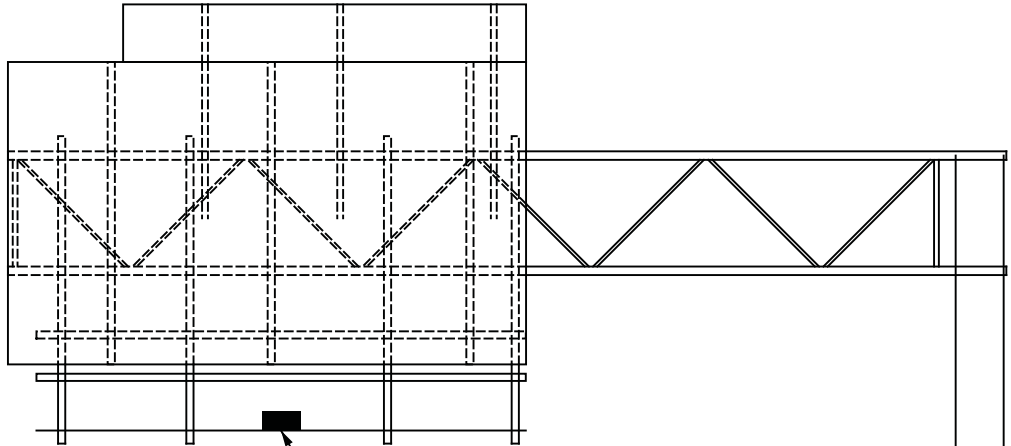
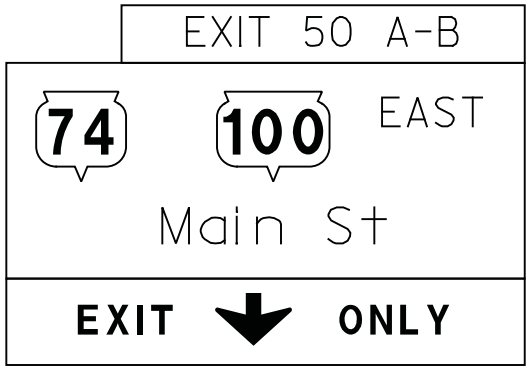


LOOKING EAST

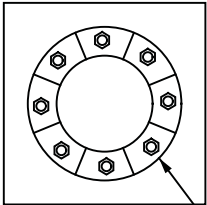


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.18	SECURE LUMINAIRE COVER	1 EACH	SHEET 7

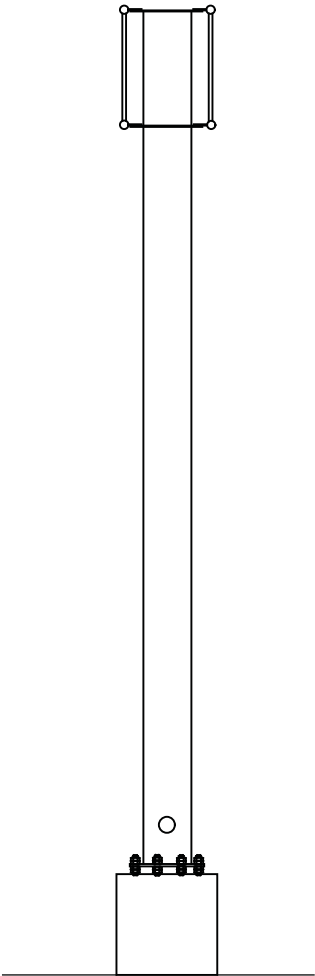
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-67-1			SHEET 112 OF 136



BOTH LUMINAIRE COVER BOLTS WERE  
SHEARED OFF



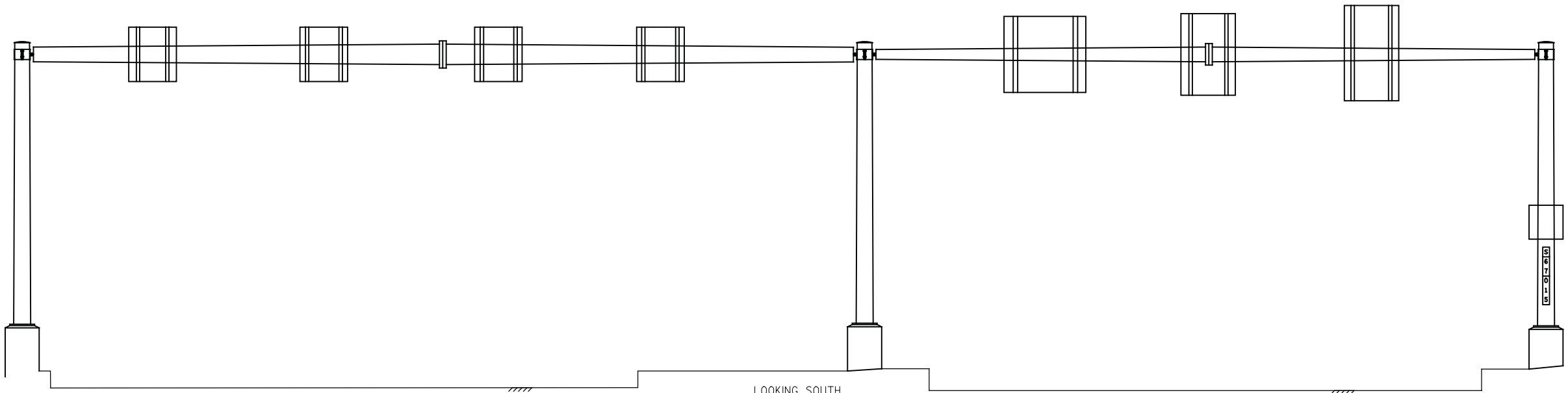
THE RODENT SCREEN WAS MISSING



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1
SPV.0060.18	SECURE LUMINAIRE COVER	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-67-2			SHEET 113 OF 136

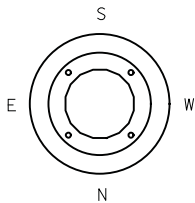
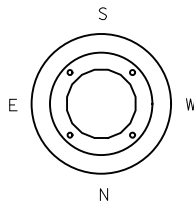
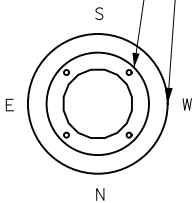




LOOKING SOUTH

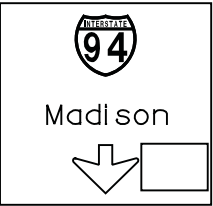
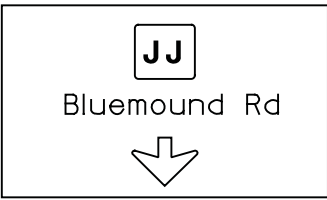
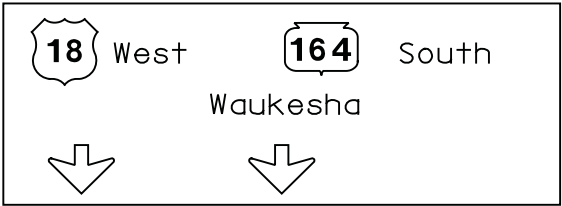
THE EAST FOUNDATION EXHIBITED RANDOM HAIRLINE TO 1/2" WIDE CRACKING FROM THE TOP OF THE FOUNDATION TO THE GROUND LINE, WITH ASSOCIATED DELAMINATION OVER A 1' WIDE X 1' HIGH AREA AT THE TOP OF THE SOUTH SIDE OF THE FOUNDATION WITH CRACKING STEMMING FROM THE SOUTHWEST ANCHOR ROD

THE WEST FACE OF THE EAST FOUNDATION EXHIBITED AN AREA OF IMPACT DAMAGE, 10" HIGH X 8" WIDE WITH 1" MAXIMUM PENETRATION



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
509.1500	CONCRETE SURFACE REPAIR	1 SF	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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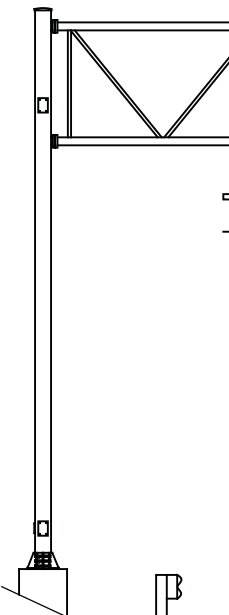
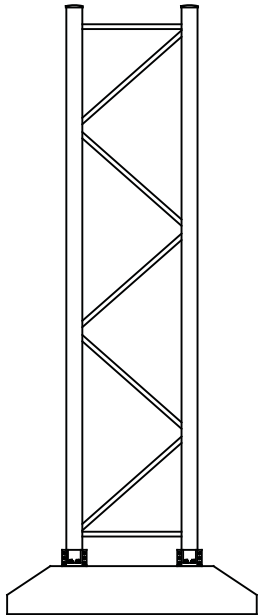


18 OF 44 SIGN PANEL CONNECTORS MISSING ON THE NORTH SIGN

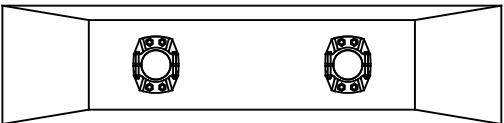
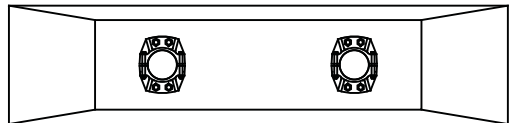
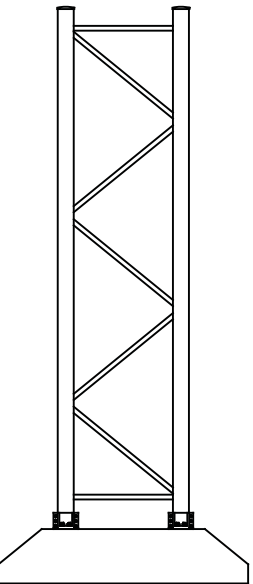
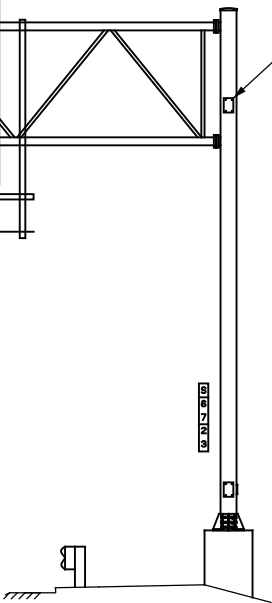
36 OF 88 SIGN PANEL CONNECTORS MISSING ON THE SOUTH SIGN

27 OF 68 SIGN PANEL CONNECTORS MISSING ON THE MIDDLE SIGN

ONE CONDUIT PLUG WAS MISSING FROM NORTHEAST POST

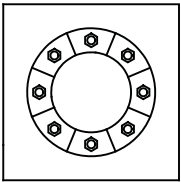
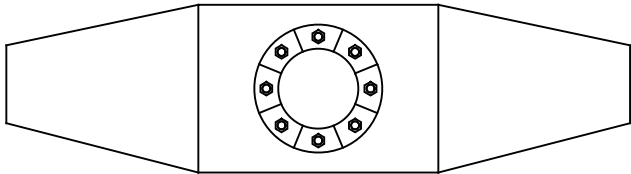
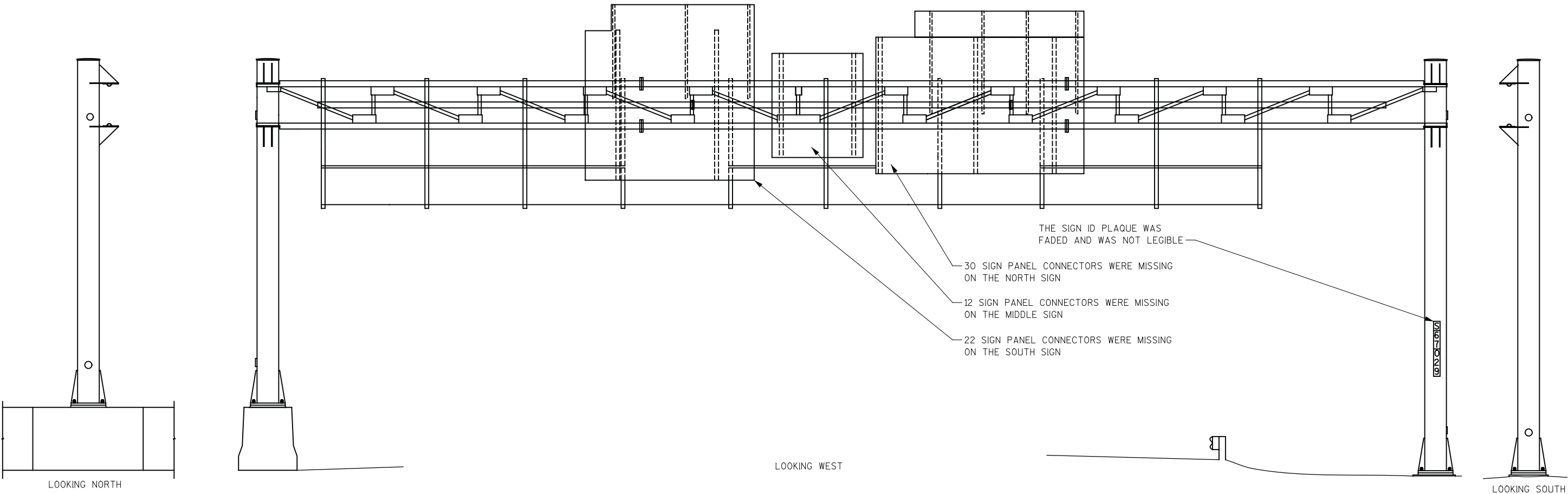
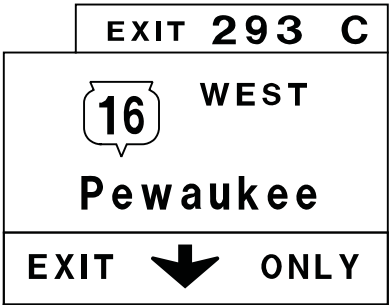
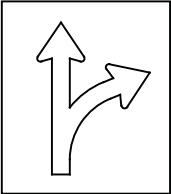
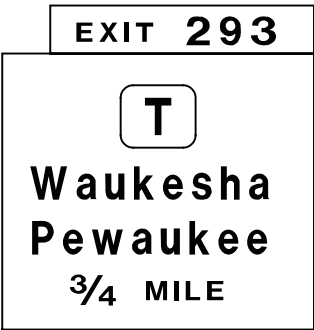


LOOKING WEST



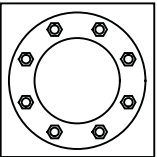
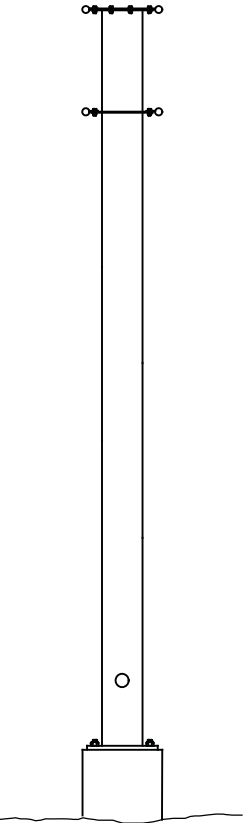
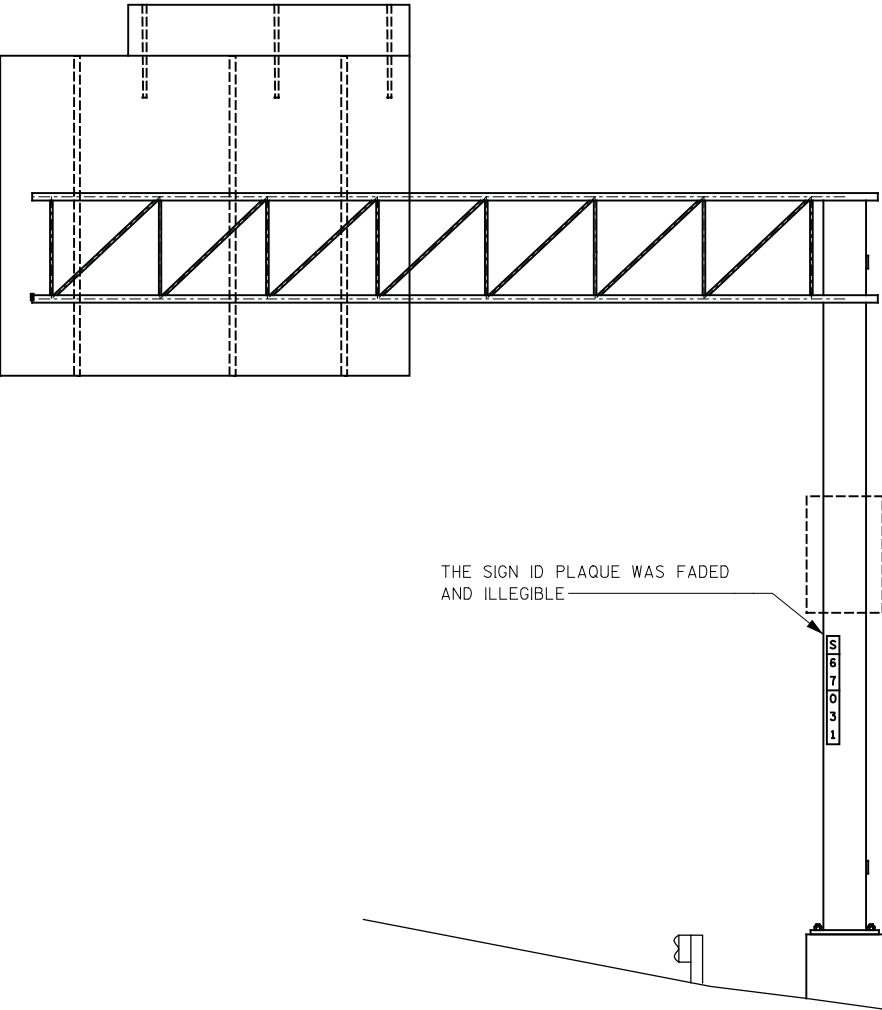
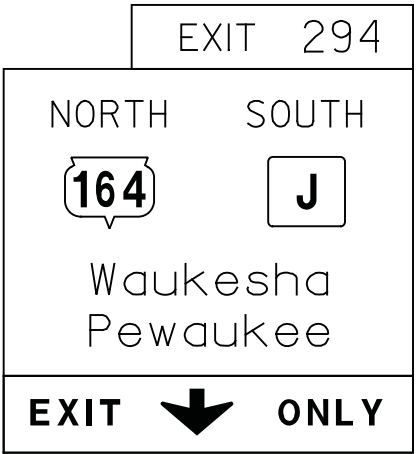
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	81 EACH	SHEET 5
SPV.0060.14	REPLACE MISSING CONDUIT PLUG	1 EACH	SHEET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	64 EACH	SHEET 5
SPV.0060.11	REPLACE SIGN BRIDGE ID PLAQUE	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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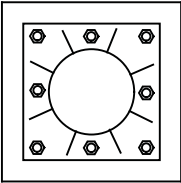
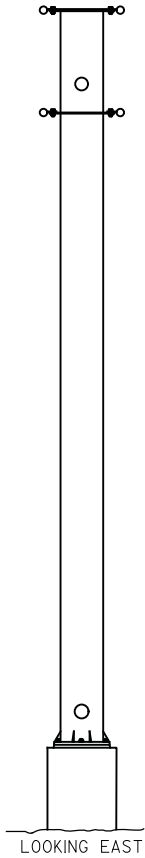
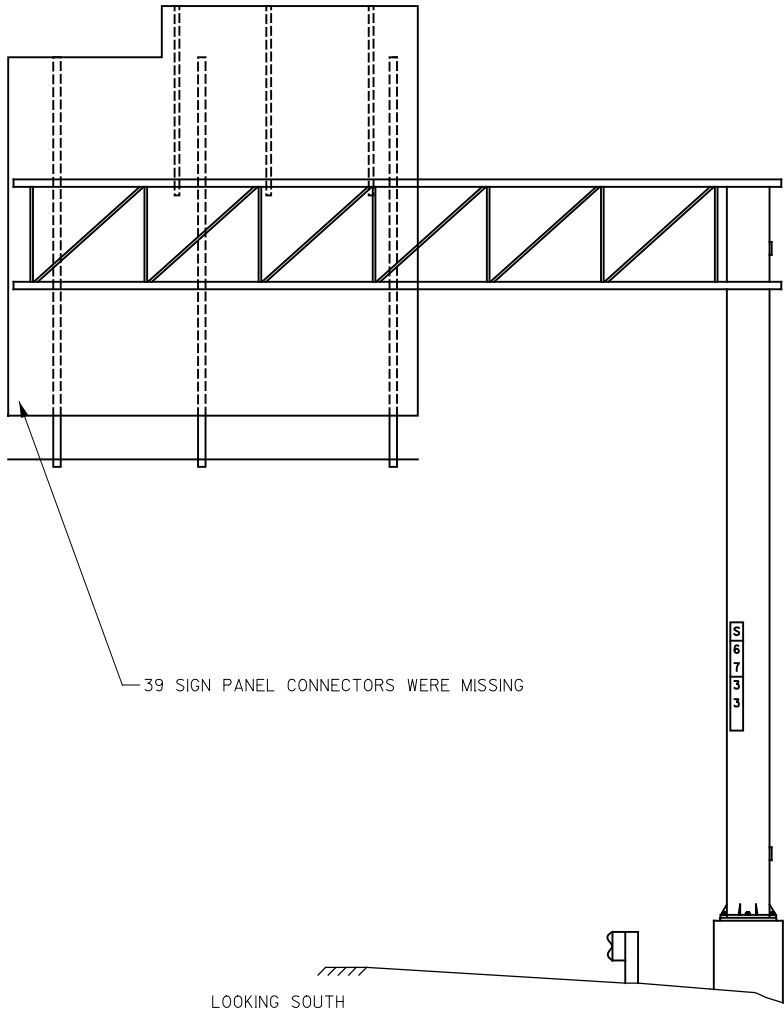
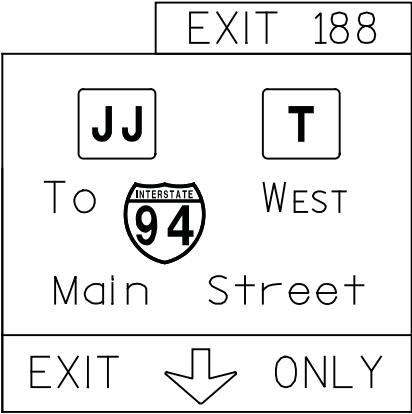


LOOKING EAST

LOOKING NORTH

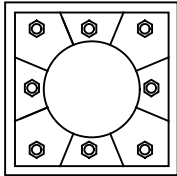
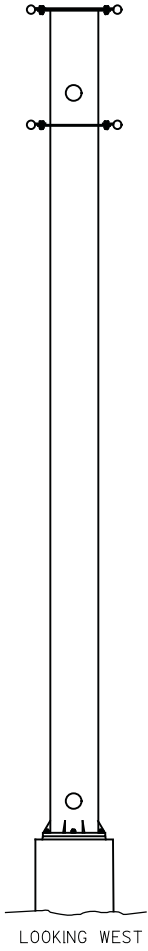
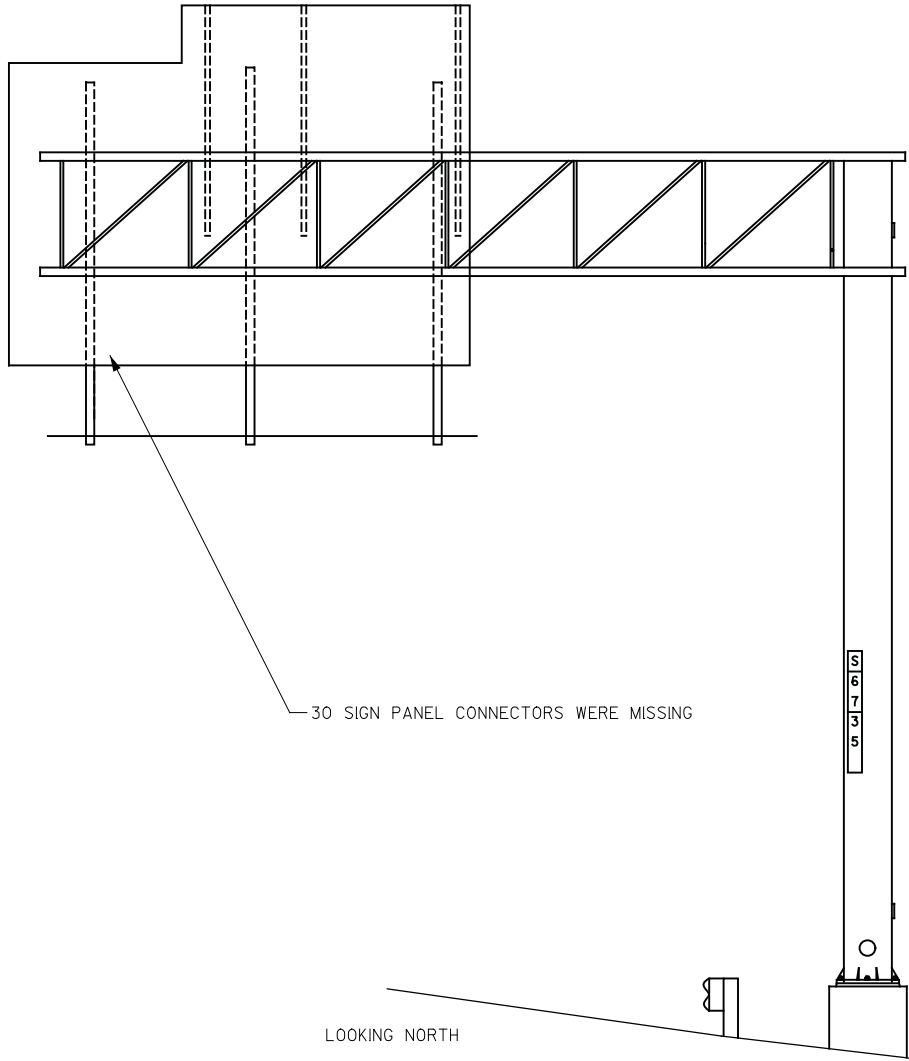
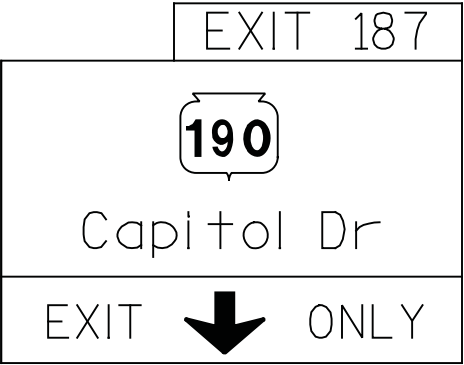
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.11	REPLACE SIGN BRIDGE ID PLAQUE	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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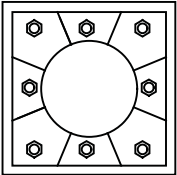
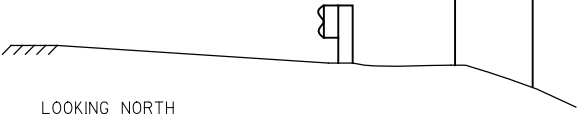
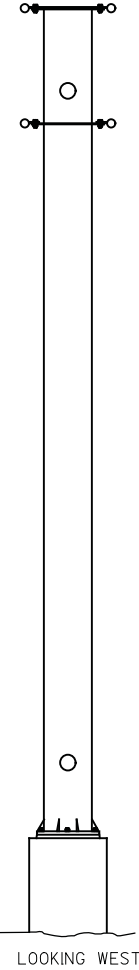
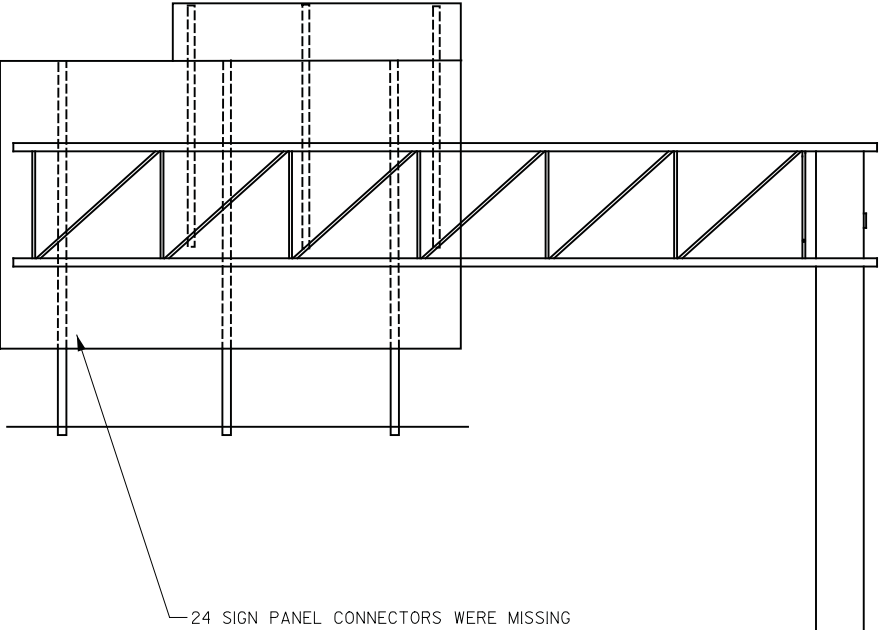
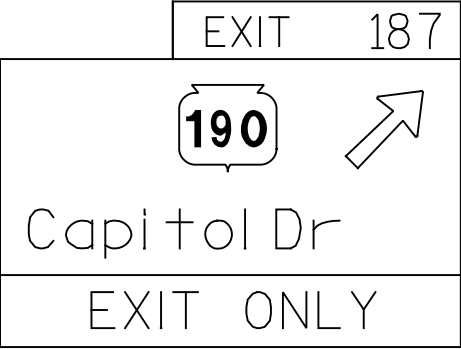
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	39 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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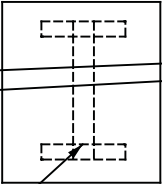
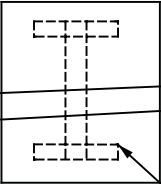
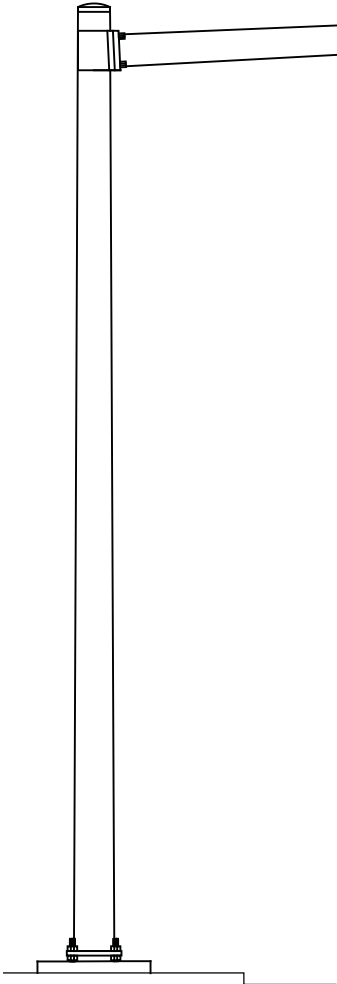
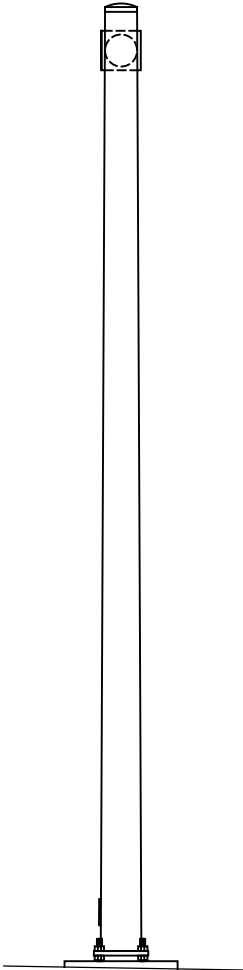
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	30 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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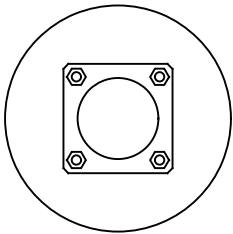


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	24 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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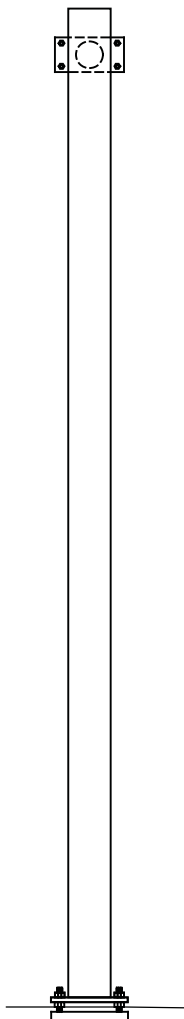
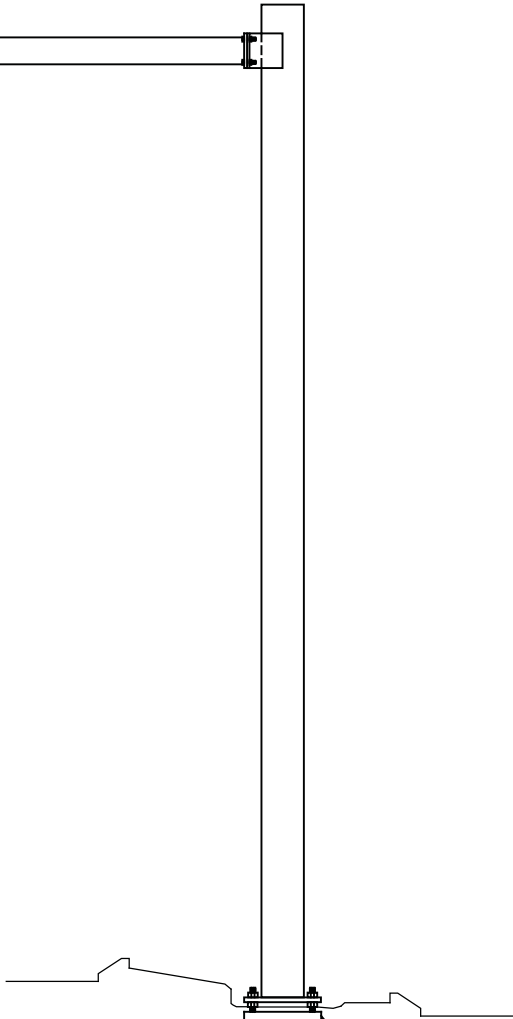
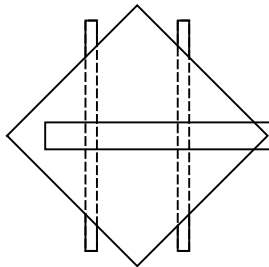
INSTALL OVERHEAD SIGN MOUNTING SYSTEM



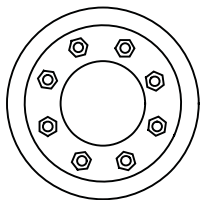
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.06	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	2 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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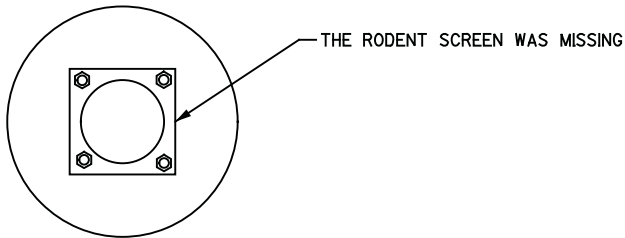
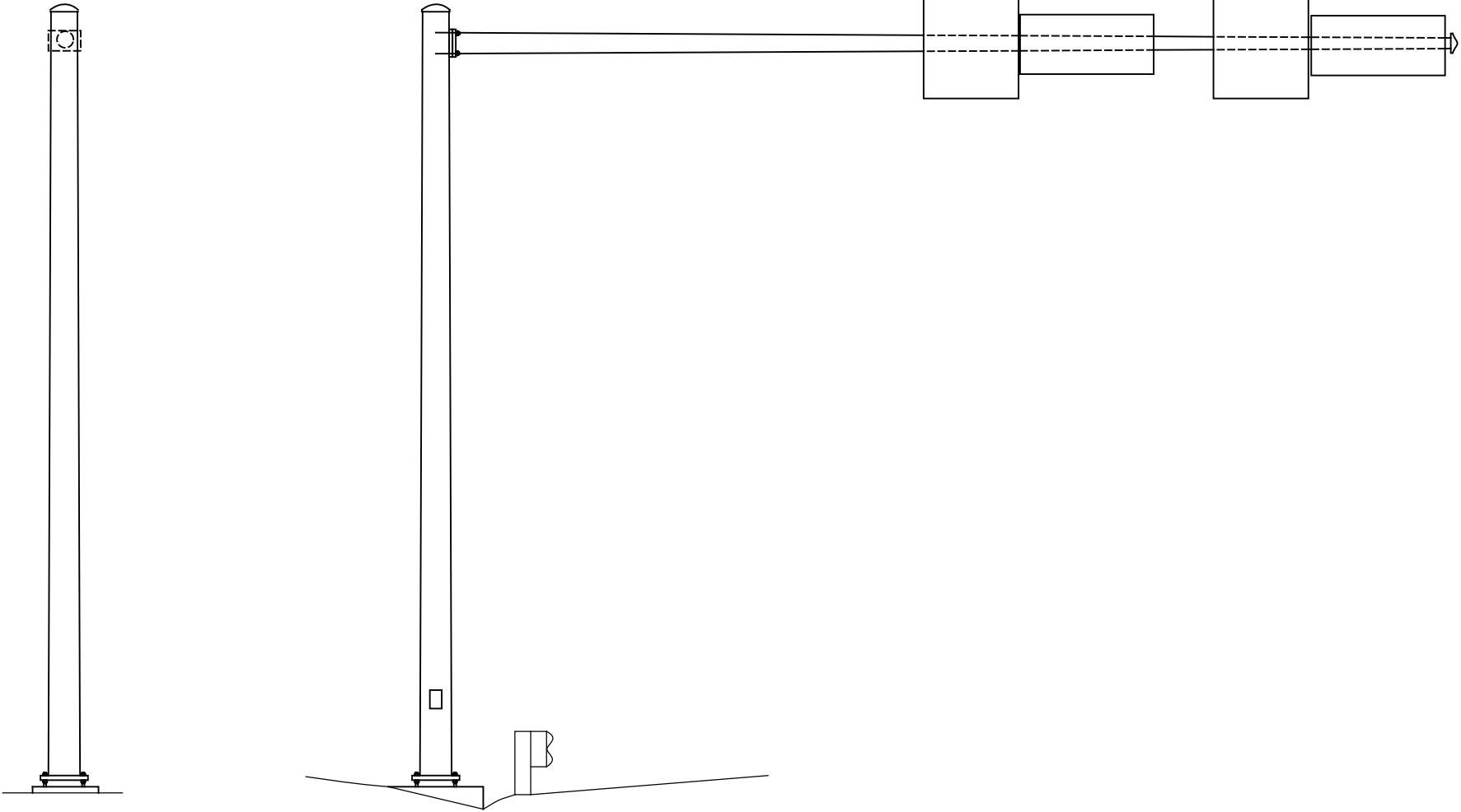
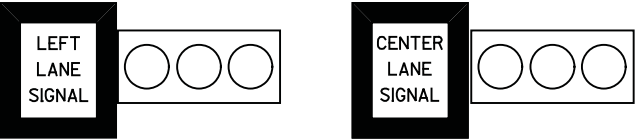


THE FOUNDATION AND BASE PLATE WERE  
COVERED WITH 1" OF SOIL



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.32	REMOVE FILL AND REGRADE	1 EACH	SHEET 1

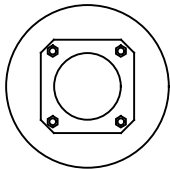
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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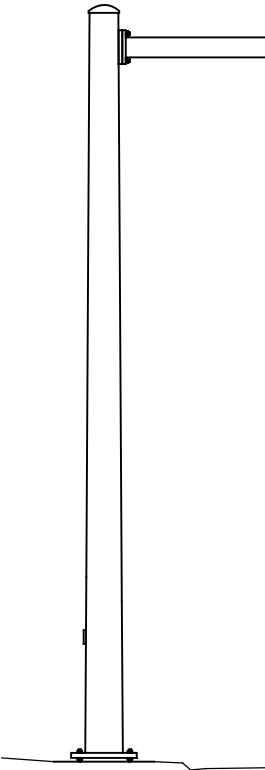
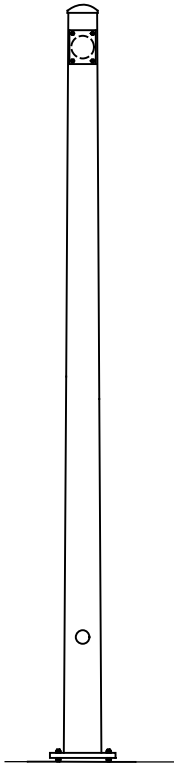
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-67-237			SHEET 123 OF 136

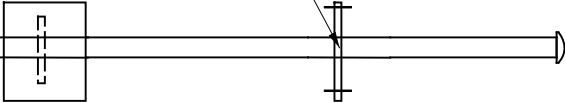
8



LOOKING WEST



THE WEST SIGN PANEL WAS MISSING,  
BUT NO LANE WAS PRESENT UNDER  
THE SIGN BRACKET

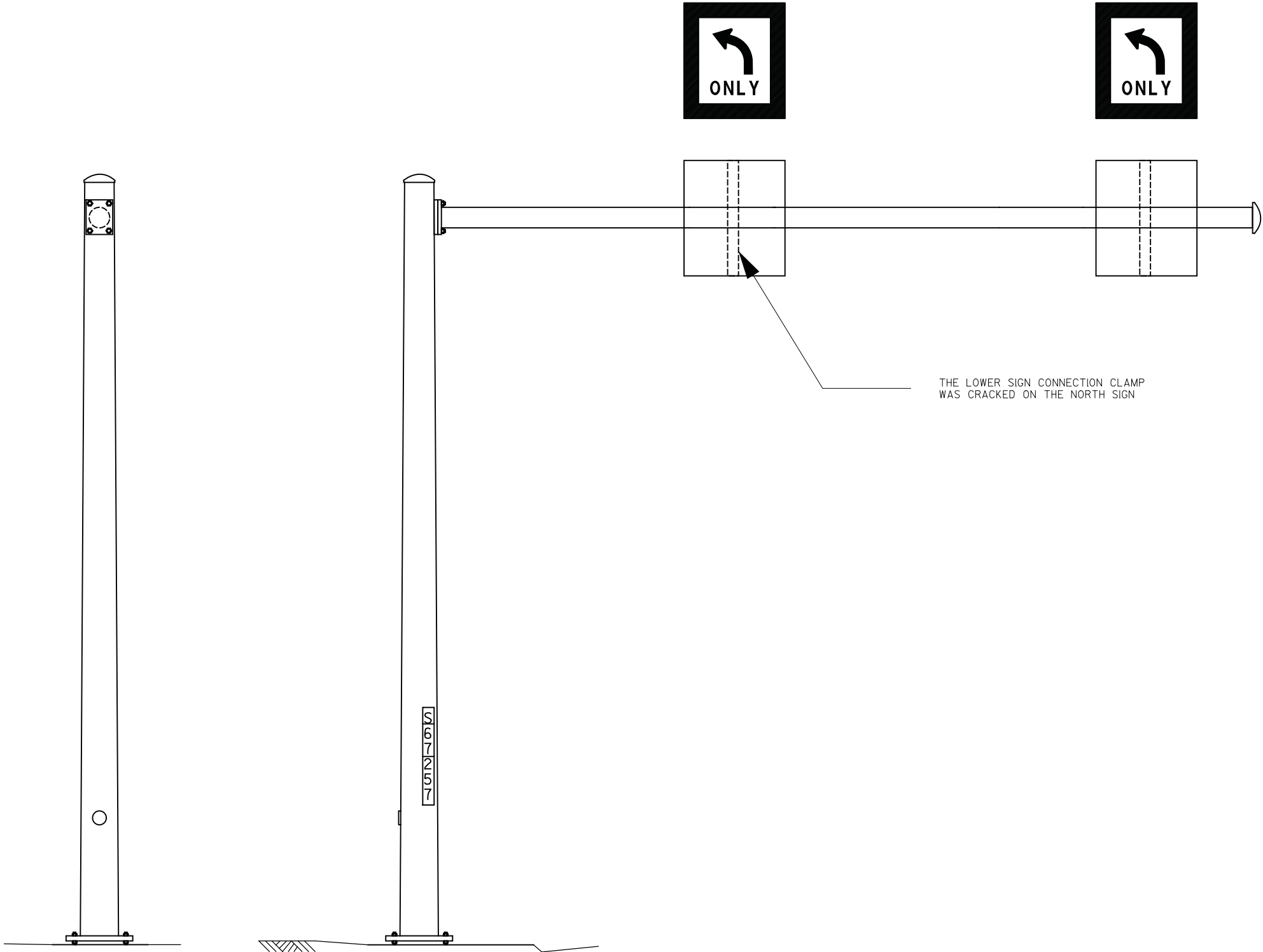


LOOKING SOUTH

8

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.03	REMOVE OVERHEAD TYPE IISIGN ASSEMBLY	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-67-253			SHEET 124 OF 136

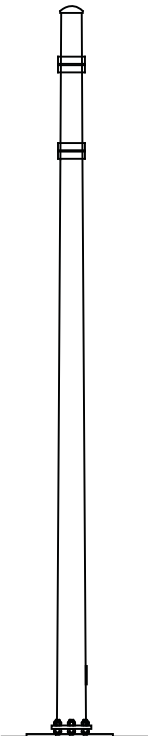
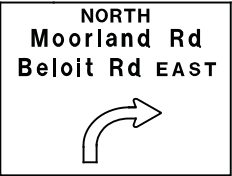
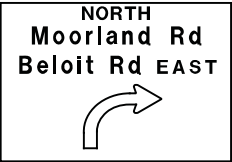
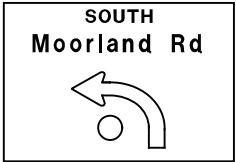


8

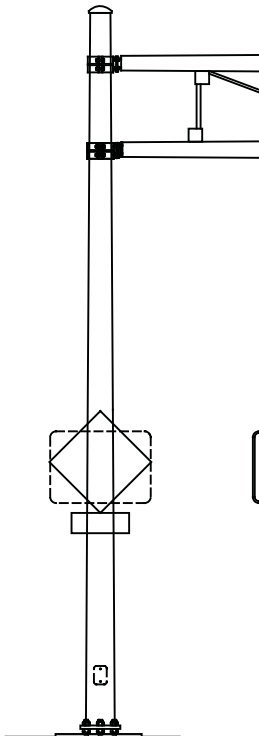
8

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.06	INSTALL OVERHEAD SIGN MOUNTING SYSTEM	1 EACH	SHEET 5

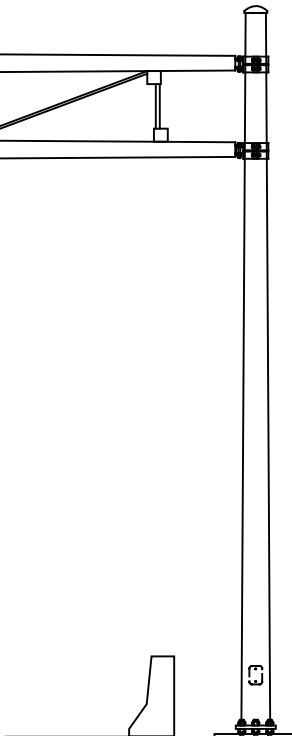
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
S-67-257			SHEET 125 OF 136



LOOKING WEST



LOOKING SOUTH



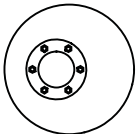
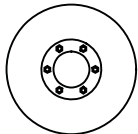
LOOKING EAST



THE WEST "WRONG WAY" SIGN  
WAS DISCONNECTED

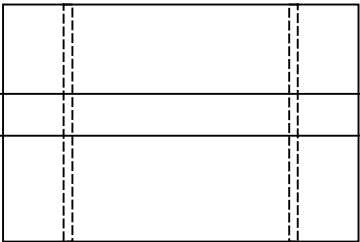
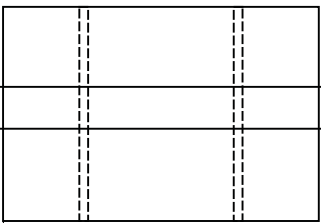
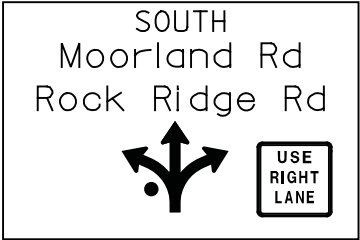
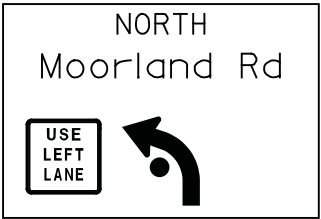
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8

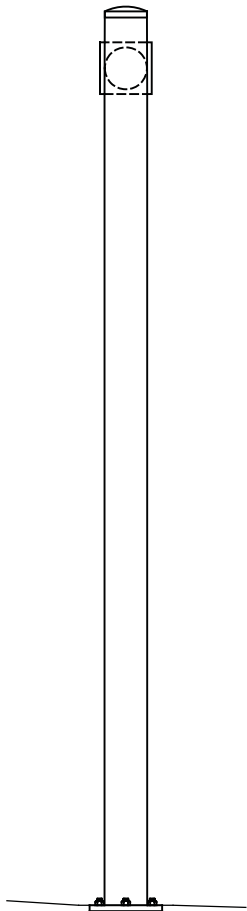


ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.20	REATTACH TYPE II SIGN	1 EACH	SHEET 5

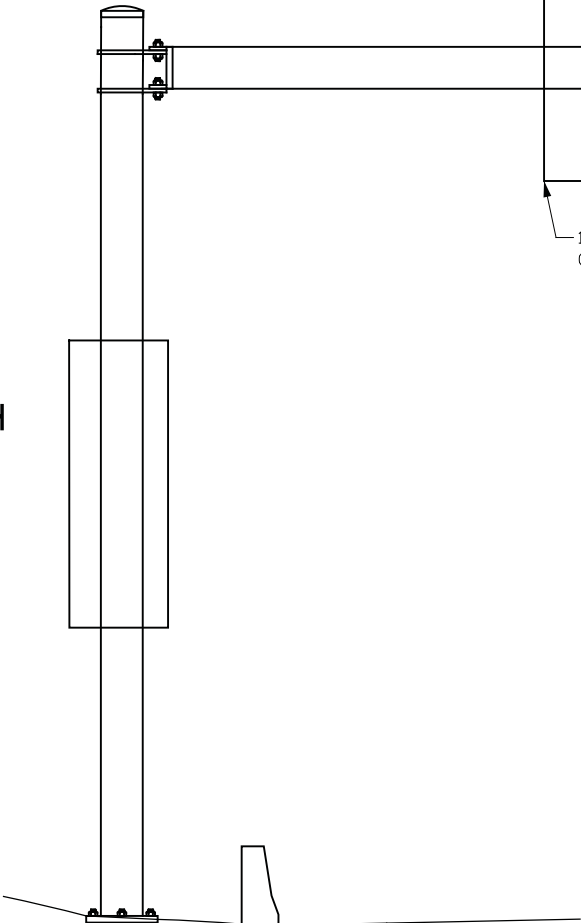
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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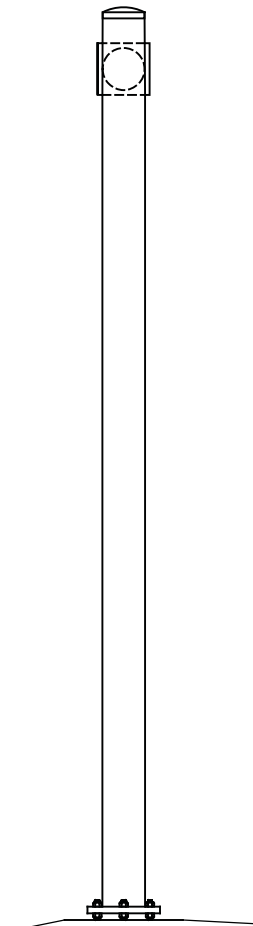
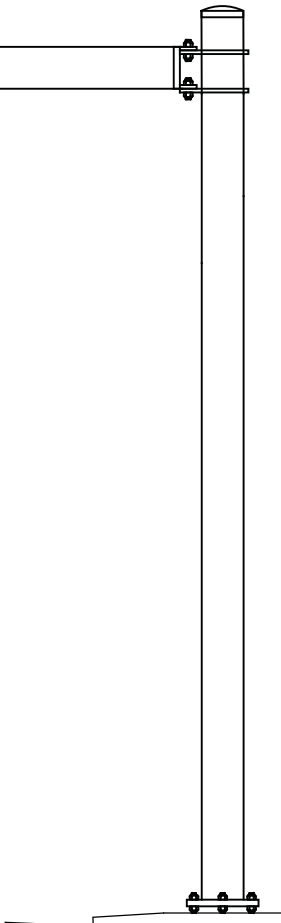
10 SIGN PANEL CONNECTORS WERE MISSING  
ON EACH SIGN



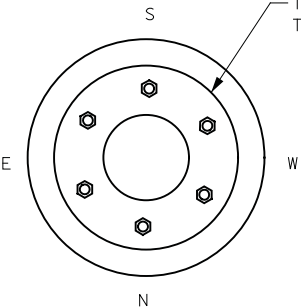
LOOKING SOUTH



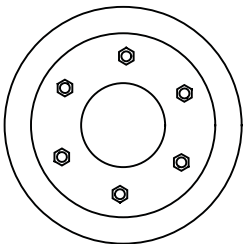
LOOKING EAST



LOOKING NORTH



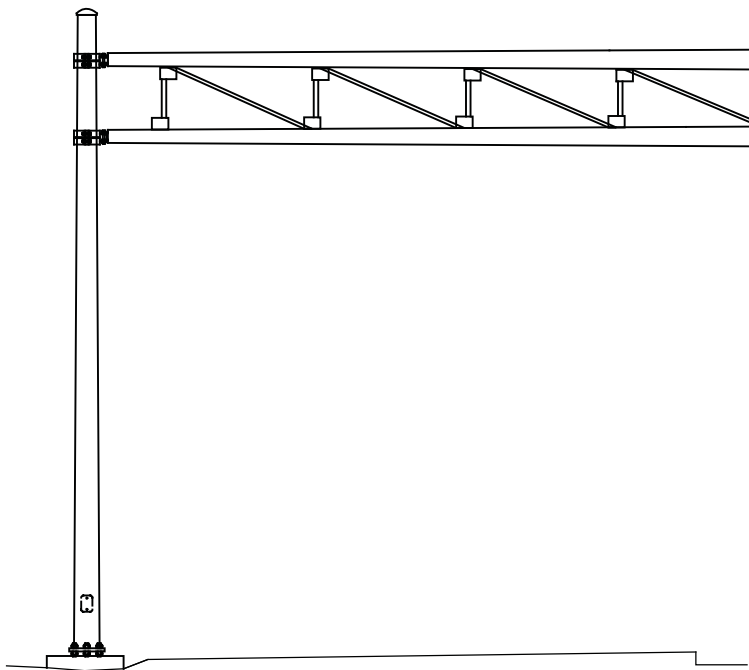
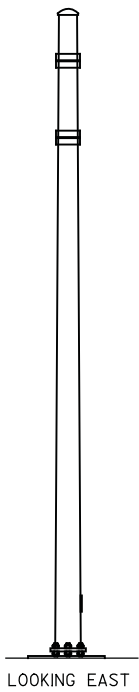
THE NORTH FOUNDATION WAS BURIED UP TO  
THE BASE PLATE WITH GRAVEL



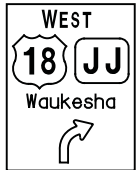
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.32	REMOVE FILL AND REGRADE	1 EACH	SHEET 1
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	20 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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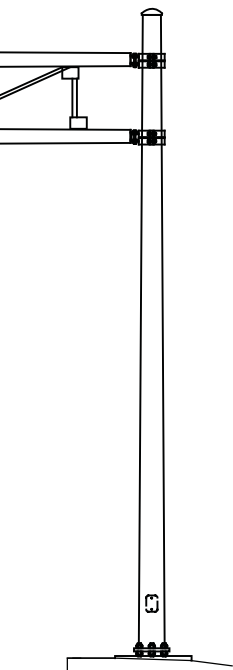
8



LOOKING NORTH

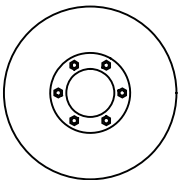
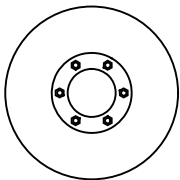


FOUR SIGN PANEL CONNECTORS  
WERE LOOSE ON THE EAST SIGN



LOOKING WEST

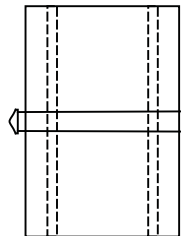
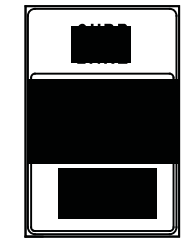
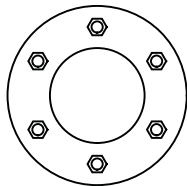
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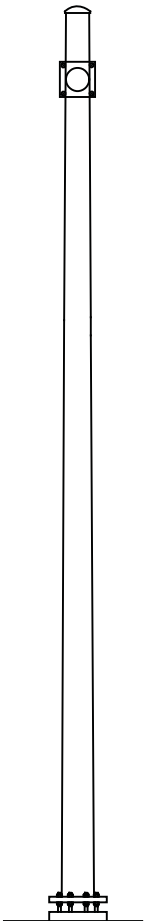
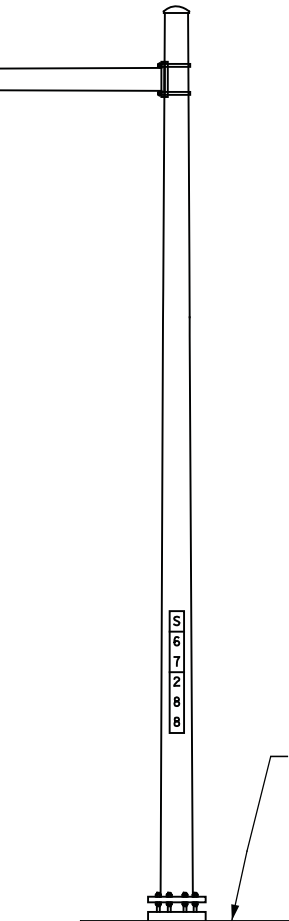
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.10	REPLACE SIGN PANEL CONNECTOR	4 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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8



LOOKING EAST



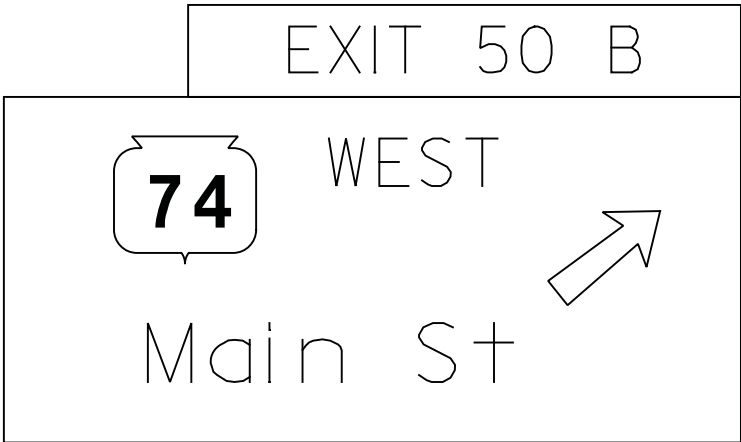
LOOKING NORTH



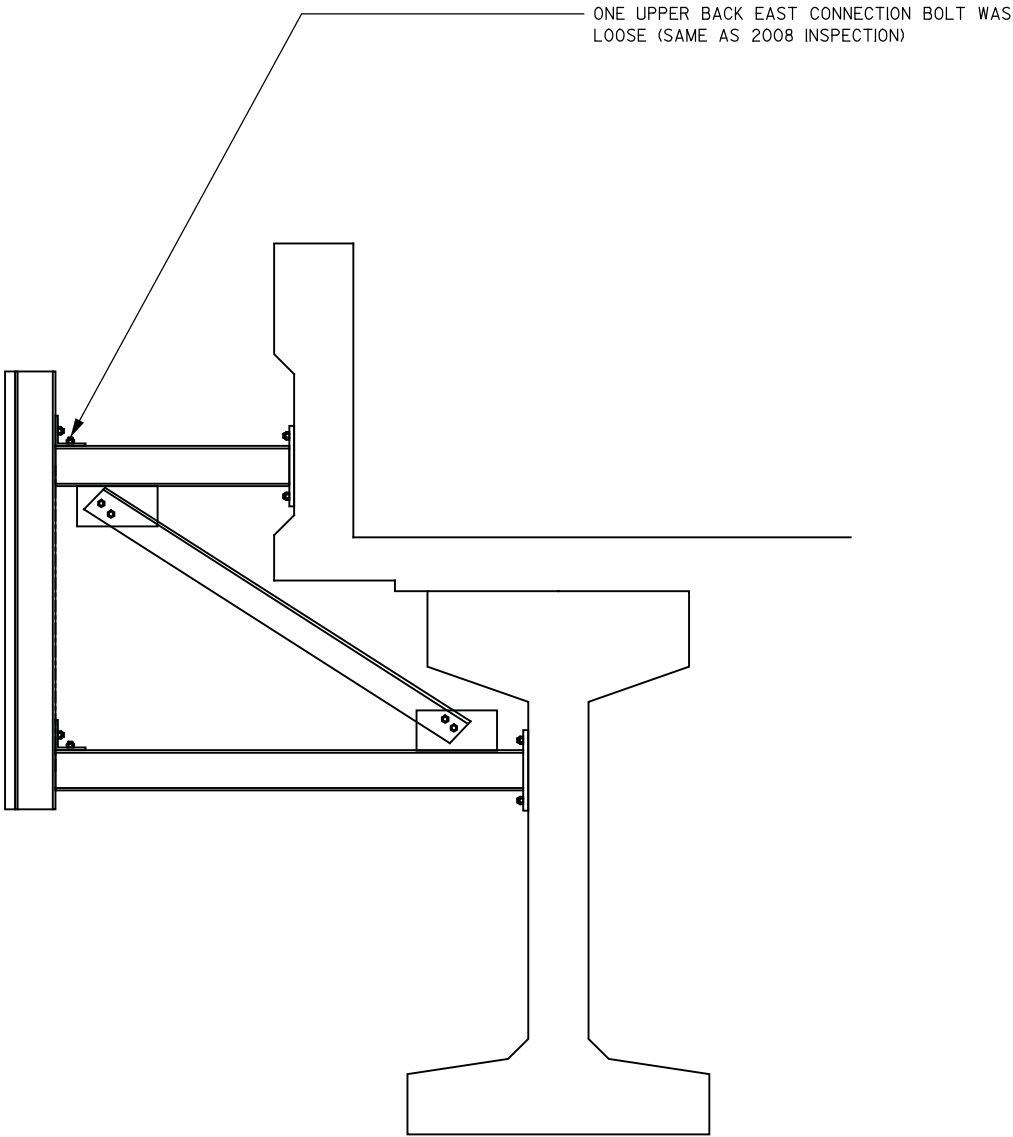
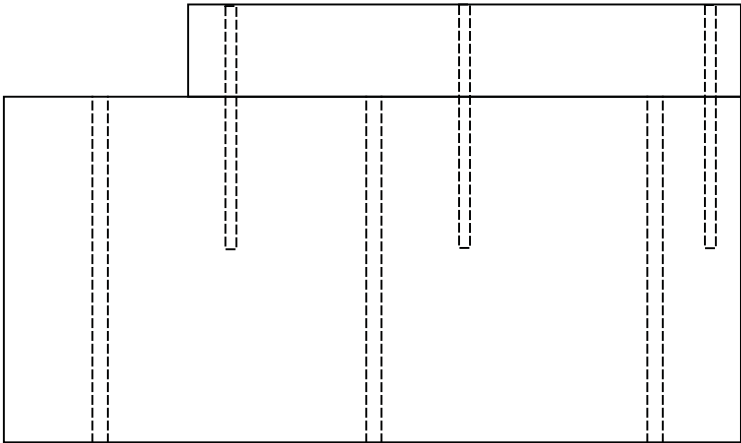
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0035.01	FILL EROSION	1.5 CY	SHEET 1
SPV.0060.20	REATTACH TYPE II SIGN	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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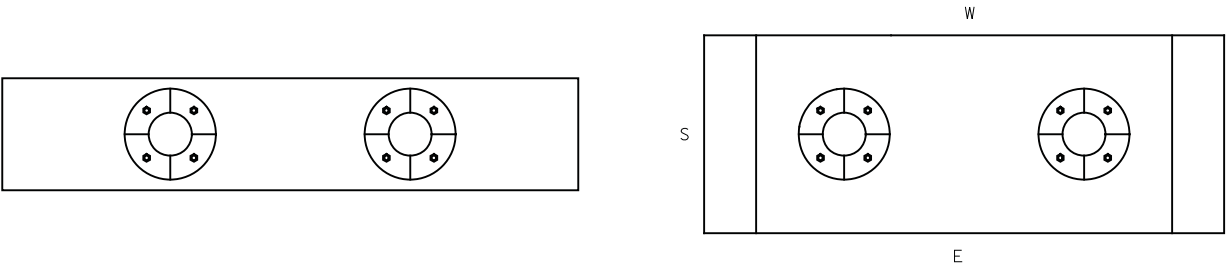
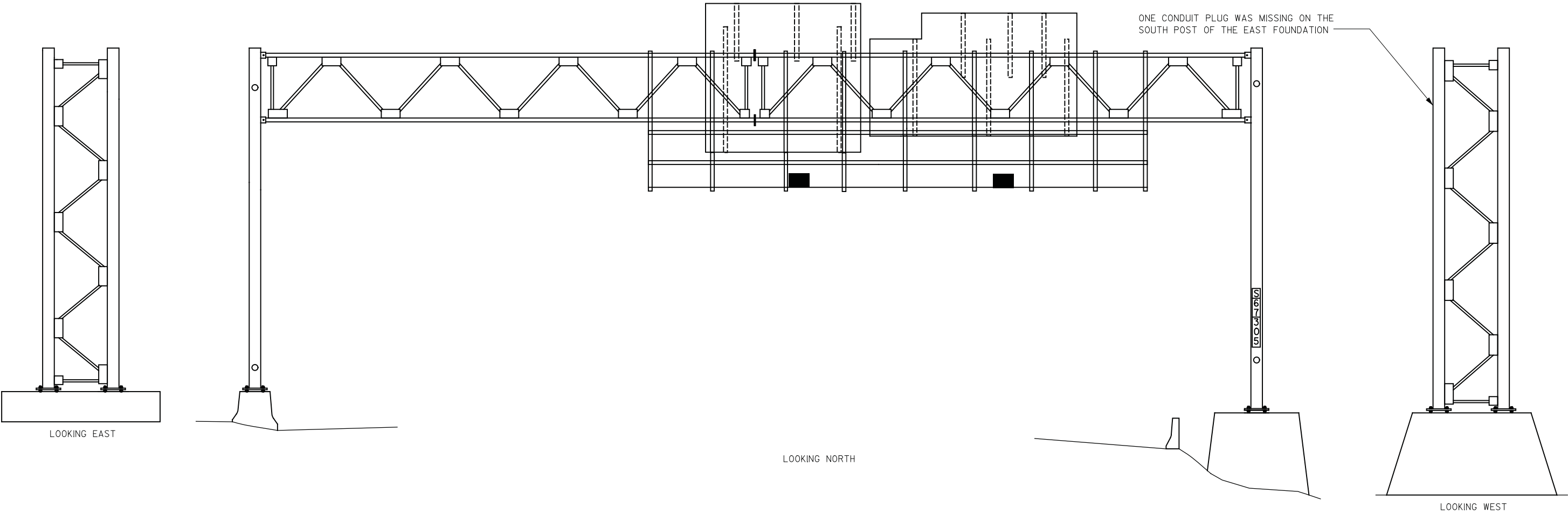
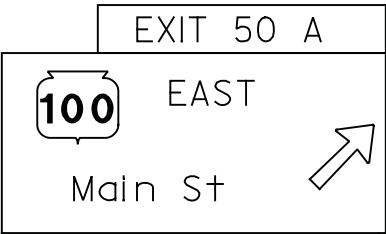
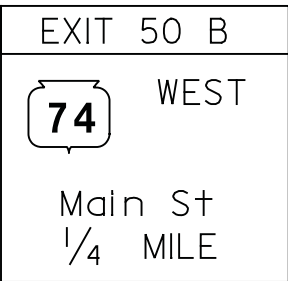
LOOKING NORTH



LOOKING WEST

ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.04	TENSION POST TO TRUSS CONNECTION BOLT	1 EACH	SHEET 3

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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THE SOUTHEAST AND NORTHEAST CORNER OF THE EAST FOUNDATION EXHIBITED A 1' WIDE BY 4" HIGH AREA OF UNDERMINING WITH 2' OF PENETRATION

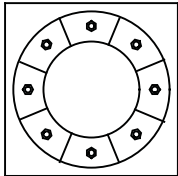
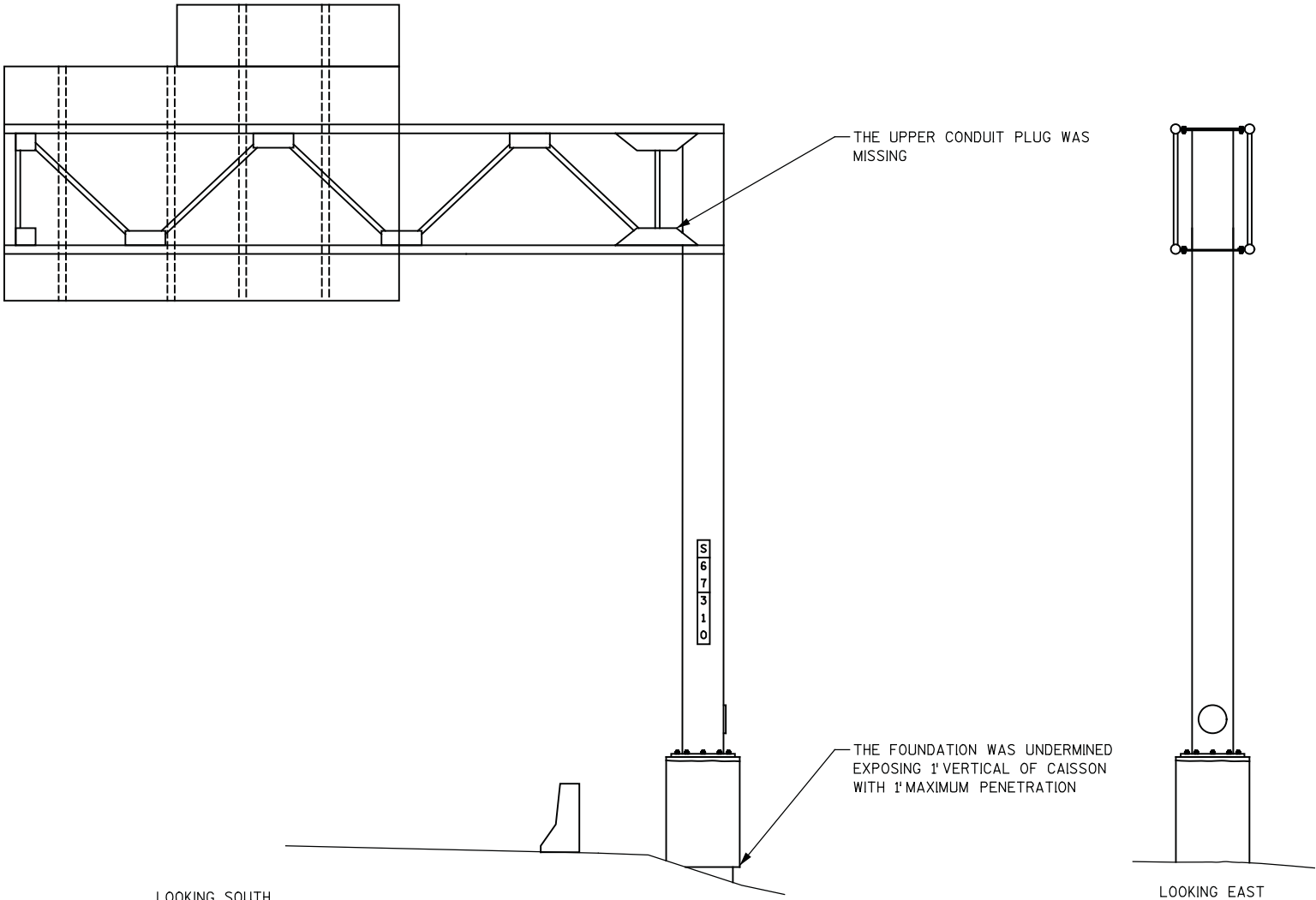
ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0035.01	FILL EROSION	1 CY	SHEET 1
SPV.0060.14	REPLACE MISSING CONDUIT PLUG	1 EACH	SHHET 7

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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EXIT 57

0

Moorland  
Road



NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC. 2013		DRAWN BY DW	PLANS CK'D. VC
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ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0035.01	FILL EROSION	2 CY	SHEET 1
SPV.0060.14	REPLACE MISSING CONDUIT PLUG	1 EACH	SHEET 7

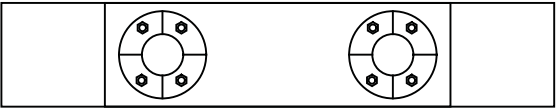
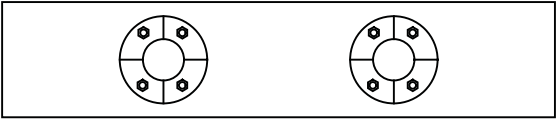
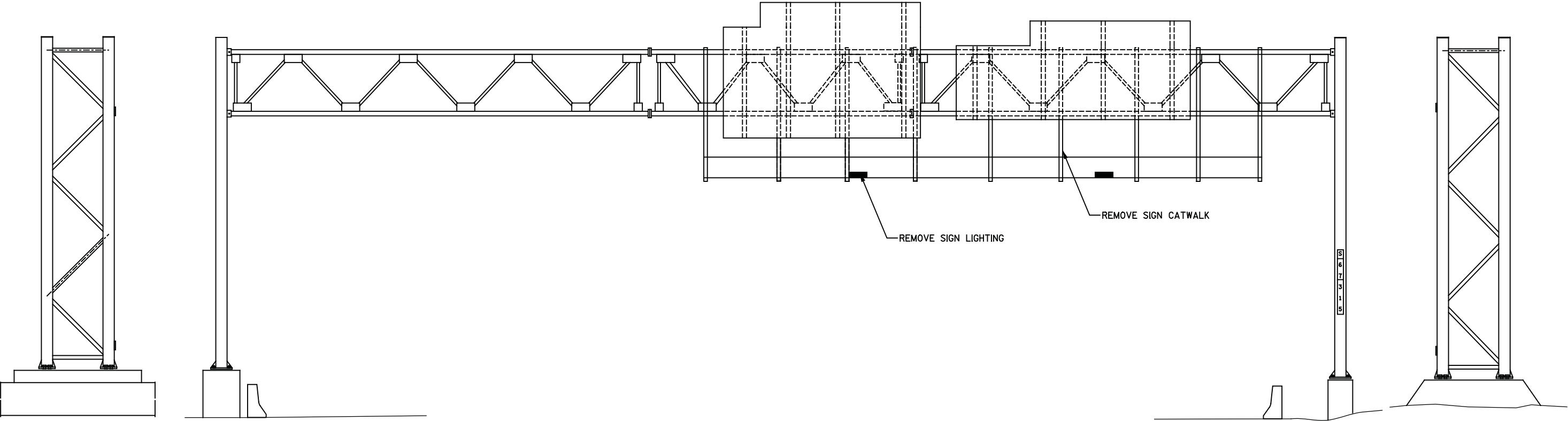
EXIT 301 A

Moorland Rd  
SOUTH

RAMP CLOSED

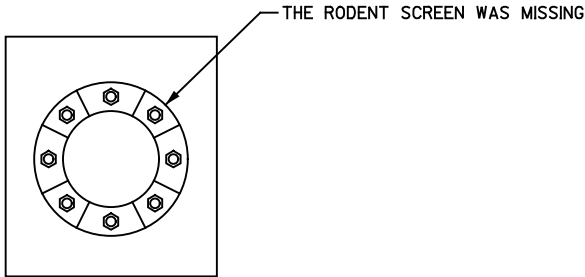
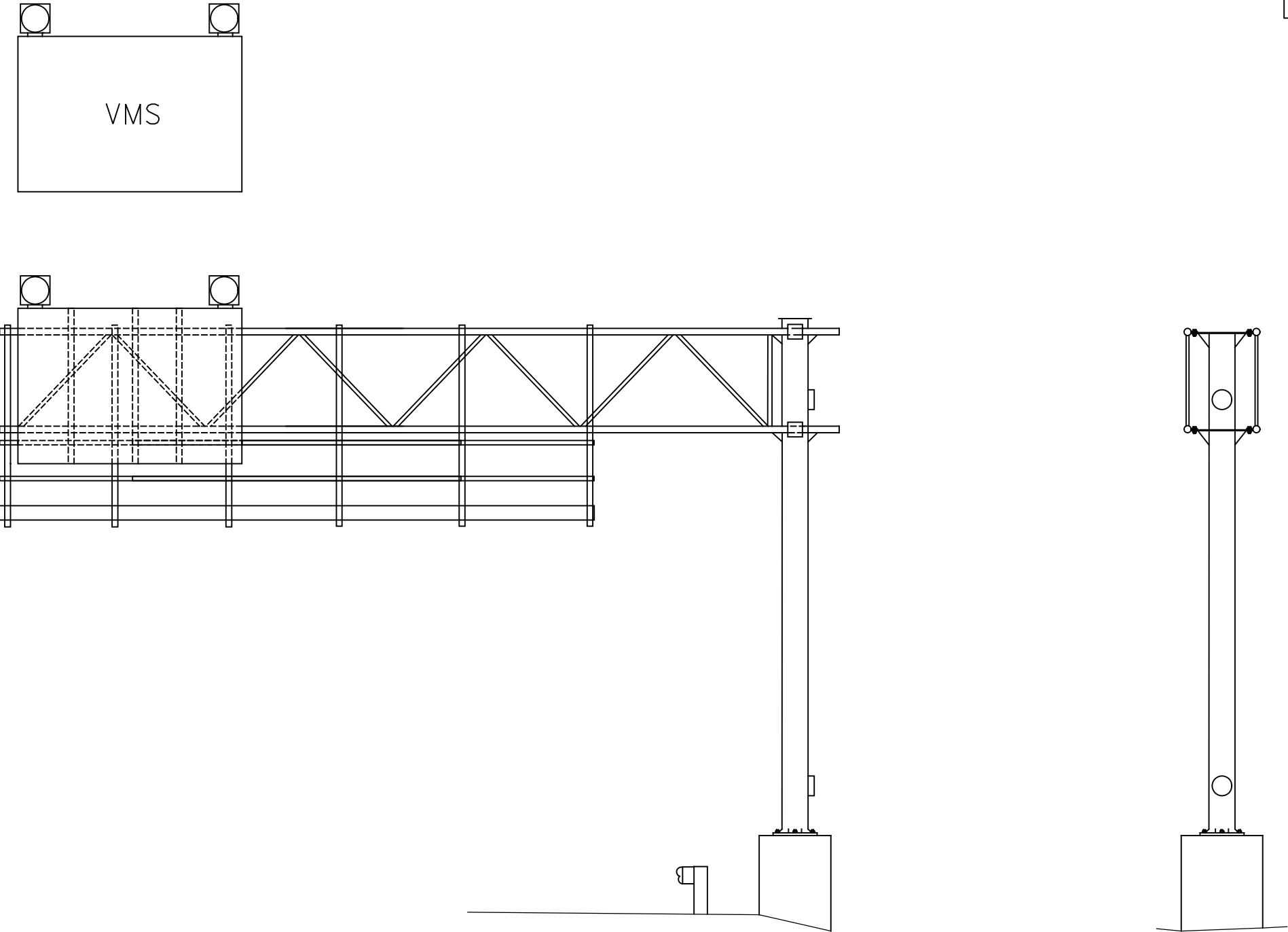
EXIT 301 B

Moorland Rd  
NORTH



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.33	LAMP DISPOSAL HIGH INTENSITY DISCHARGE	1 EACH	SHEET 7
SPV.0060.34	STOCKPILING SIGN LIGHTING LUMINAIRES	1 EACH	SHEET 7

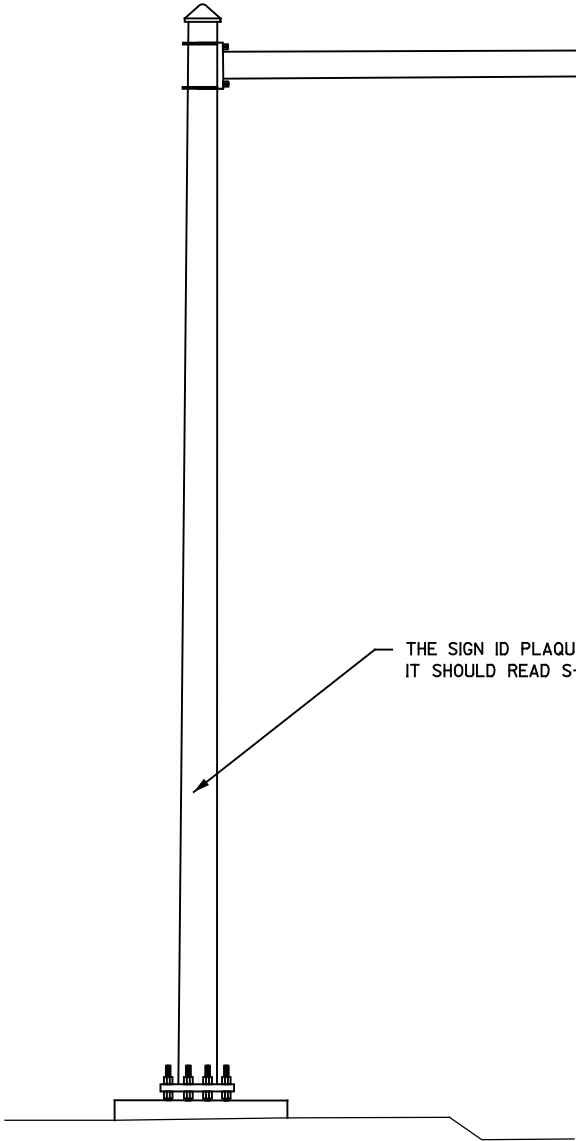
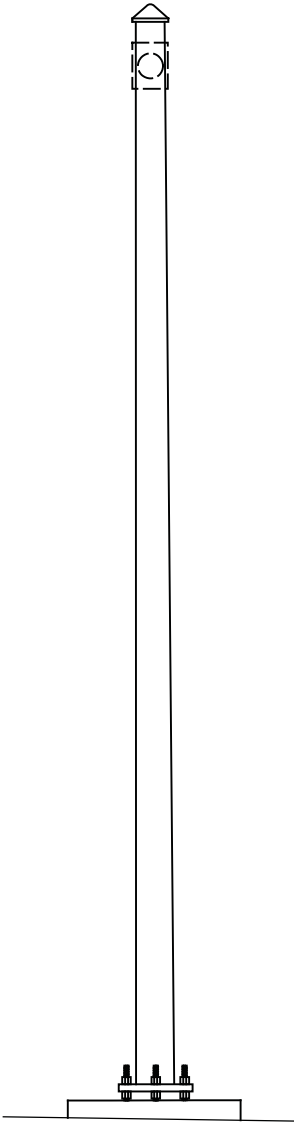
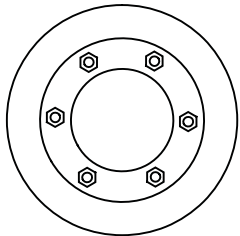
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.22	REPLACE RODENT SCREEN	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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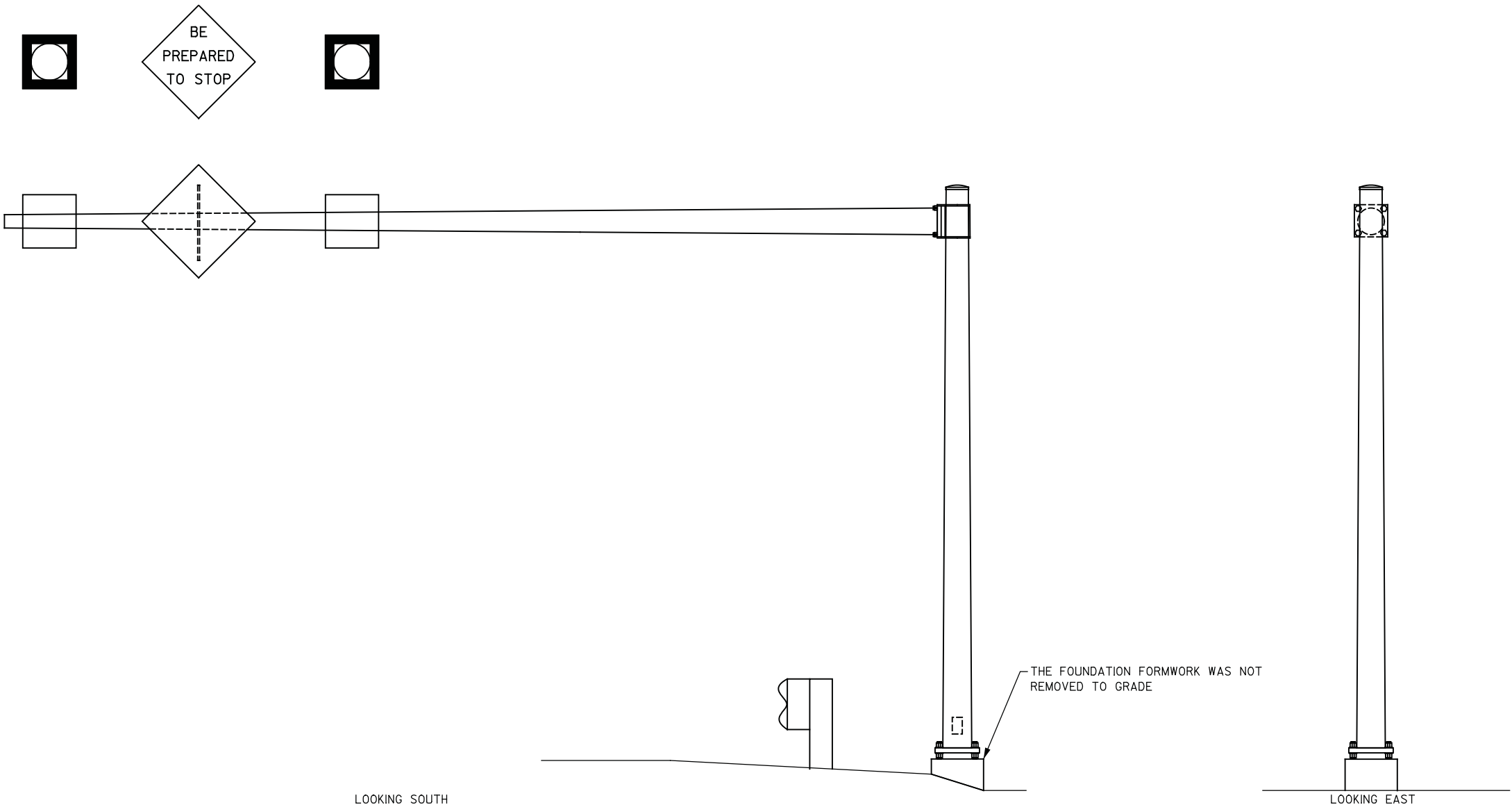
8



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ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.11	REPLACE SIGN BRIDGE ID PLAQUE	1 EACH	SHEET 5

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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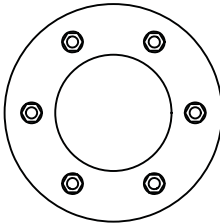


LOOKING SOUTH

LOOKING EAST

8

8



ITEM NO.	LIST OF REPAIRS	QUANTITY	REPAIR DETAIL SHEET NO.
SPV.0060.01	REMOVE FORMWORK TO GRADE	1 EACH	SHEET 1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION			
SIGN BRIDGE REPAIRS 2013			
CONST. SPEC.	2013	DRAWN BY DW	PLANS CK'D. VC
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## *Wisconsin Department of Transportation*

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