

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
SECTION D9 OVD SIN STR REPL 13-11

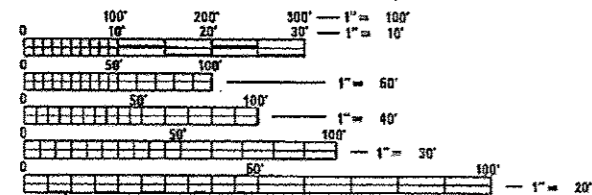
SIGN STRUCTURE REPAIR/REPLACEMENT
VARIOUS COUNTIES

C-60-011-13

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	09 OVD SIN STR REPL 13-11	VARIOUS	29	1
		ILLINOIS	CONTRACT NO. 46227	

*VARIOUS ROUTES

FOR INDEX OF SHEETS, SEE SHEET NO. 2

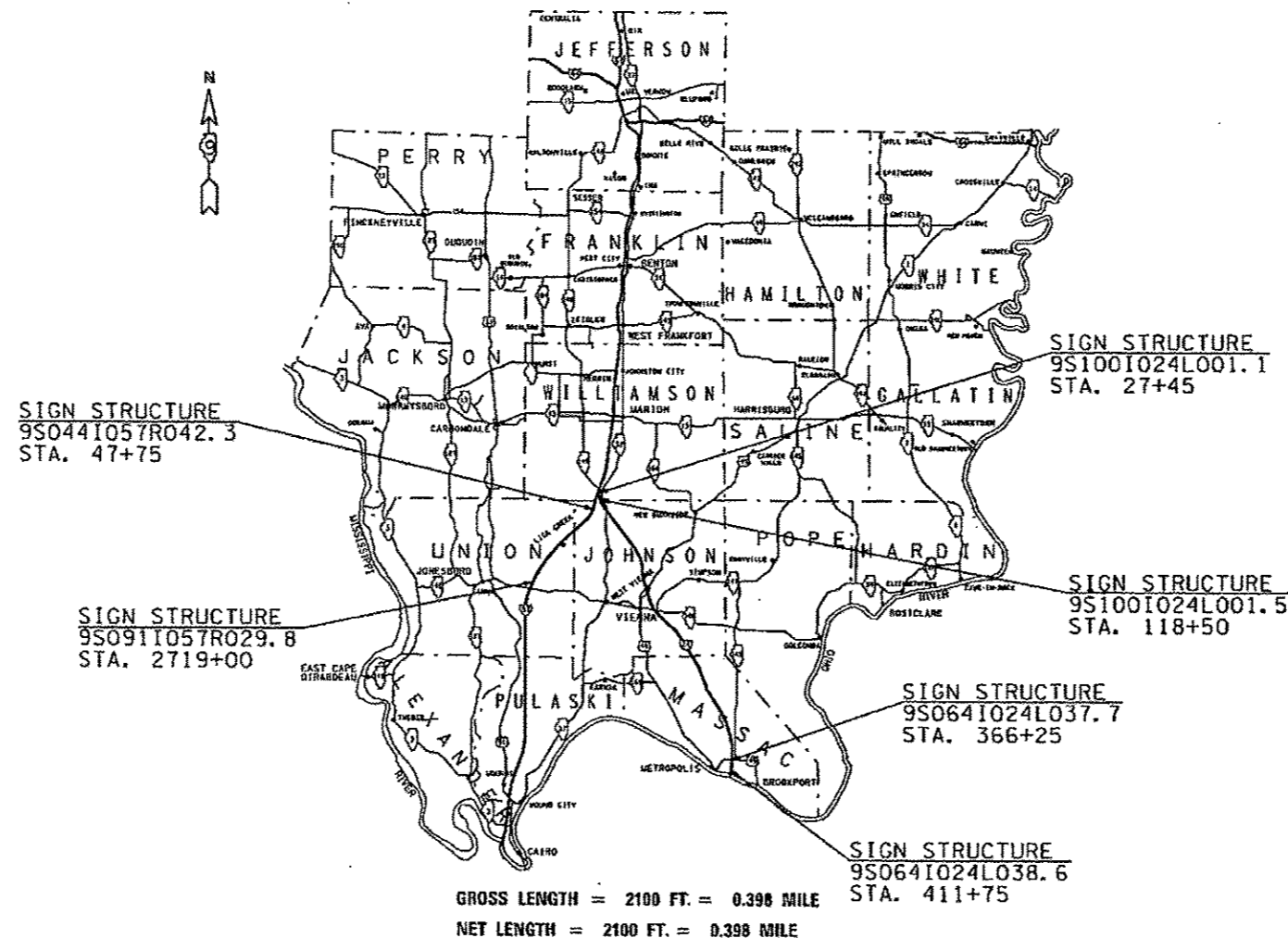


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER
DESIGNER: LISA PRITCHETT

CONTRACT NO. 46227



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 5, 2013
William Munn
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

April 26, 2013
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

April 26, 2013
Over Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
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GENERAL NOTES

EXISTING STATE-OWNED AND MAINTAINED UTILITY ARE PRESENT AT THE LOCATIONS. THE CONTRACTOR SHALL NOTIFY THE DISTRICT OPERATIONS ENGINEER TWO WEEKS PRIOR TO COMMENCING ANY EXCAVATION IN THE VICINITY OF THESE LINES. THE STATE WILL THEN LOCATE AND MARK THE HORIZONTAL LOCATIONS OF THE LINES AND PROVIDE ANY AVAILABLE INFORMATION AS TO THEIR DEPTH. SHOULD ANY OF THE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF THE ENGINEER AND AT NO COST TO THE STATE.

ALSO THERE MAY BE UTILITIES PRESENT WHICH WERE INSTALLED BY THE STATE BUT ARE MAINTAINED BY OTHERS (CITY, TOWN, ETC.). THE CONTRACTOR SHALL COORDINATE THE LOCATING OF THESE LINES WITH THE LOCAL AGENCY PRIOR TO COMMENCING ANY EXCAVATION OR BORING IN THEIR VICINITY. SHOULD THESE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF, AND AT NO COST TO, THE LOCAL AGENCY AND THE STATE.

FINAL GRADING SHALL BE DONE BY HAND AROUND ANY NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE ASSOCIATED PAY ITEMS FOR SIGN TRUSS REPLACEMENT WITH NO ADDITIONAL COMPENSATION ALLOWED.

- 9S0441057R042.3 - FULL REPLACEMENT, TYPE I-A
- 9S0641024L037.7 - REPLACE FOUNDATIONS AND END SUPPORTS
- 9S0641024L038.6 - REPLACE FOUNDATIONS
- 9S0911057R029.8 - REPLACE FOUNDATIONS
- 9S1001024L001.1 - FULL REPLACEMENT, TYPE II-A
- 9S1001024L001.5 - FULL REPLACEMENT, TYPE I-A

FILE NAME *	USER NAME * prstohettl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX, STANDARDS, GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
of\pva-work\pva\dot\prstohettl\10334504\	gn-structure2813-ah-t-plndgn	DRAWN -	REVISED -			*	09 QVD SIN STR REPL13-11	VARIOUS	29	2
Default	PLOT SCALE * 1/8"=1'-0"	CHECKED -	REVISED -		SCALE:					
	PLOT DATE * 2/20/2013	DATE -	REVISED -		SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
								CONTRACT NO. 46227		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				100% STATE							
				JOHNSON SIGN STRUCTURE	JOHNSON SAFETY	MASSAC SIGN STRUCTURE	MASSAC SAFETY	UNION SIGN STRUCTURE	UNION SAFETY	WILLIAMSON SIGN STRUCTURE	WILLIAMSON SAFETY
				21 RURAL	0021 RURAL	21 RURAL	0021 RURAL	21 RURAL	0021 RURAL	21 RURAL	0021 RURAL
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	15.6	1.8			1.6			12.2	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	900		75		75		75		675
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2								2
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2								2
* 63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	5		1		2		1		1
* 63302000	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 2	EACH	7		2		1		2		2
67100100	MOBILIZATION	L SUM	1	0.16		0.34		0.16		0.34	
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	6	1		2		1		2	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	6	1		2		1		2	
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	0.16		0.32		0.16		0.36	
72000300	SIGN PANEL - TYPE 3	SQ FT	697	150						547	
73300100	OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	176	88						88	
73300200	OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4'-6" X 5'-3")	FOOT	103							103	
73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	95	28						67	

*SPECIALTY ITEM

FILE NAME =	USER NAME = p1tohet11	DESIGNED -	REVISED -
o:\p1\work\p1tohet11\108334584\	gn #tructure2813-ah1p1n1udgn	DRAWN -	REVISED -
Default	PLOT SCALE = 1/8"=1'-0" / in.	CHECKED -	REVISED -
	PLOT DATE = 3/5/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SHEET 1 OF 2

SCALE: SHEET OF SHEETS STA. TO STA.

*VARIOUS ROUTES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 09	09 OVD SIN STR REPL13-11	VARIOUS	29	3
			CONTRACT NO.	46227
[ILLINOIS] FED. AID PROJECT				

				CONSTRUCTION CODE							
				100% STATE							
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	JOHNSON	JOHNSON	MASSAC	MASSAC	UNION	UNION	WILLIAMSON	WILLIAMSON
				SIGN STRUCTURE 0021	SAFETY 0021	SIGNSTRUCTURE 0021	SAFETY 0021	SIGN STRUCTURE 0021	SAFETY 0021	SIGN STRUCTURE 0021	SAFETY 0021
				RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	133.02	20.7		45.02		22		45.3	
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	3	1						2	
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	12	2		4		2		4	
73801100	REMOVE AND REERECT OVERHEAD SIGN STRUCTURE-SPAN	EACH	3			2		1			
78200420	GUARDRAIL MARKERS, TYPE B	EACH	22		3		3		3		13
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2								2
80300100	LOCATING UNDERGROUND CABLE	FOOT	400							400	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.16		0.32		0.16		0.36	
X7330072	OVERHEAD SIGN STRUCTURE - END SUPPORT	EACH	2			2					
X8040310	ELECTRICAL SERVICE DISCONNECT	EACH	2							2	

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SIGN STRUCTURE REPAIR AND REPLACEMENT SCHEDULES

9S0441057R042.3				
County: Johnson	Route: I-57	Milepost: 42.3	Direction: NB	
			Unit	Quantity
Rock Excavation For Structures			Cu Yd	1.8
Steel Plate Beam Guardrail, Type A, 6 Foot Posts			Foot	75
Remove And Reerect Traffic Barrier Terminals, Type 1			Each	1
Remove And Reerect Traffic Barrier Terminals, Type 2			Each	2
Mobilization			L Sum	0.16
Traffic Control And Protection, Standard 701401			Each	1
Changeable Message Sign			Cal Mo	1
Nighttime Work Zone Lighting			L Sum	0.16
Sign Panel - Type 3			Sq Ft	150
Overhead Sign Structure - Span, Type I-A (4'-0" X 4'-6")			Foot	88
Overhead Sign Structure Walkway, Type A			Foot	28
Drilled Shaft Concrete Foundations			Cu Yd	20.7
Remove Overhead Sign Structure - Span			Each	1
Remove Concrete Foundation - Overhead			Each	2
Guardrail Markers, Type B			Each	3
Traffic Control And Protection, (Special)			L Sum	0.16

9S0641024L037.7				
County: Massac	Route: I-24	Milepost: 37.7	Direction: WB	
			Unit	Quantity
Steel Plate Beam Guardrail, Type A, 6 Foot Posts			Foot	75
Remove And Reerect Traffic Barrier Terminals, Type 1			Each	2
Remove And Reerect Traffic Barrier Terminals, Type 2			Each	1
Mobilization			L Sum	0.17
Traffic Control And Protection, Standard 701401			Each	1
Changeable Message Sign			Cal Mo	1
Nighttime Work Zone Lighting			L Sum	0.16
Drilled Shaft Concrete Foundations			Cu Yd	21.98
Remove Concrete Foundation - Overhead			Each	2
Remove And Reerect Overhead Sign Structure - Span			Each	1
Guardrail Markers, Type B			Each	3
Traffic Control And Protection, (Special)			L Sum	0.16
Overhead Sign Structure - End Support			Each	2

9S0911057R029.8				
County: Union	Route: I-57	Milepost: 29.8	Direction: NB	
			Unit	Quantity
Steel Plate Beam Guardrail, Type A, 6 Foot Posts			Foot	75
Remove And Reerect Traffic Barrier Terminals, Type 1			Each	1
Remove And Reerect Traffic Barrier Terminals, Type 2			Each	2
Mobilization			L Sum	0.17
Traffic Control And Protection, Standard 701401			Each	1
Changeable Message Sign			Cal Mo	1
Nighttime Work Zone Lighting			L Sum	0.16
Drilled Shaft Concrete Foundations			Cu Yd	22
Remove Concrete Foundation - Overhead			Each	2
Remove And Reerect Overhead Sign Structure - Span			Each	1
Guardrail Markers, Type B			Each	3
Traffic Control And Protection, (Special)			L Sum	0.16

9S1001024L001.5				
County: Williamson	Route: I-24	Milepost: 1.5	Direction: NB	
			Unit	Quantity
Rock Excavation For Structures			Cu Yd	1.7
Steel Plate Beam Guardrail, Type A, 6 Foot Posts			Foot	150
Remove And Reerect Traffic Barrier Terminals, Type 1			Each	2
Remove And Reerect Traffic Barrier Terminals, Type 2			Each	2
Mobilization			L Sum	0.17
Traffic Control And Protection, Standard 701401			Each	1
Changeable Message Sign			Cal Mo	1
Nighttime Work Zone Lighting			L Sum	0.18
Sign Panel - Type 3			Sq Ft	282
Overhead Sign Structure - Span, Type I-A (4'-0" X 4'-6")			Foot	88
Overhead Sign Structure Walkway, Type A			Foot	28
Drilled Shaft Concrete Foundations			Cu Yd	20.7
Remove Overhead Sign Structure - Span			Each	1
Remove Concrete Foundation - Overhead			Each	2
Guardrail Markers, Type B			Each	3
Locating Underground Cable			Foot	200
Traffic Control And Protection, (Special)			L Sum	0.18
Electrical Service Disconnect			Each	1

9S1001024L001.1				
County: Williamson	Route: I-24	Milepost: 1.1	Direction: NB	
			Unit	Quantity
Rock Excavation For Structures			Cu Yd	10.5
Steel Plate Beam Guardrail, Type A, 6 Foot Posts			Foot	525
Traffic Barrier Terminal, Type 2			Each	2
Traffic Barrier Terminal, Type 1 (Special) Tangent			Each	2
Mobilization			L Sum	0.17
Traffic Control And Protection, Standard 701401			Each	1
Changeable Message Sign			Cal Mo	1
Nighttime Work Zone Lighting			L Sum	0.18
Sign Panel - Type 3			Sq Ft	265
Overhead Sign Structure - Span, Type II-A (4'-6" X 5'-3")			Foot	103
Overhead Sign Structure Walkway, Type A			Foot	39
Drilled Shaft Concrete Foundations			Cu Yd	24.6
Remove Overhead Sign Structure - Span			Each	1
Remove Concrete Foundation - Overhead			Each	2
Guardrail Markers, Type B			Each	10
Terminal Marker - Direct Applied			Each	2
Locating Underground Cable			Foot	200
Traffic Control And Protection, (Special)			L Sum	0.18
Electrical Service Disconnect			Each	1

9S0641024L038.6				
County: Massac	Route: I-24	Milepost: 38.6	Direction: WB	
			Unit	Quantity
Rock Excavation For Structures			Cu Yd	1.6
Mobilization			L Sum	0.16
Traffic Control And Protection, Standard 701401			Each	1
Changeable Message Sign			Cal Mo	1
Nighttime Work Zone Lighting			L Sum	0.16
Drilled Shaft Concrete Foundations			Cu Yd	23.04
Remove Concrete Foundation - Overhead			Each	2
Remove And Reerect Overhead Sign Structure - Span			Each	1
Traffic Control And Protection, (Special)			L Sum	0.16

FILE NAME :	USER NAME : #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN STRUCTURE REPAIR AND REPLACEMENT SCHEDULE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
#FILE#		DRAWN -	REVISED -									
#MODEL#		CHECKED -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
		DATE -	REVISED -									

*VARIOUS ROUTES
 09 OVD SIN STR REPL13-11
 VARIOUS
 29
 5
 CONTRACT NO. 46227
 ILLINOIS FED. AID PROJECT

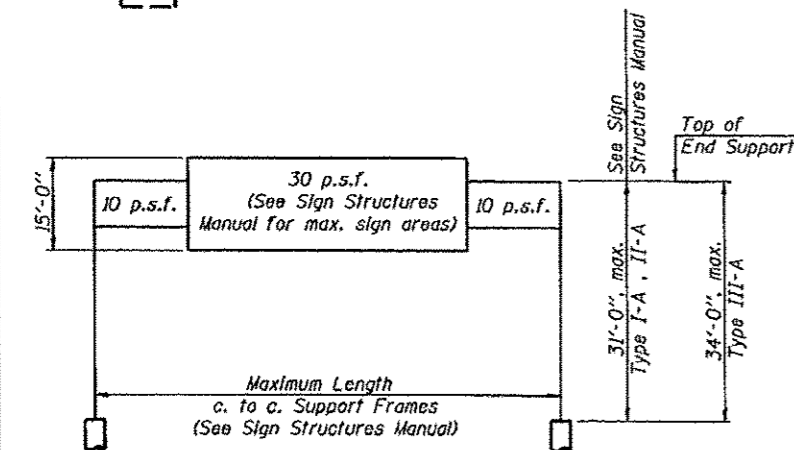
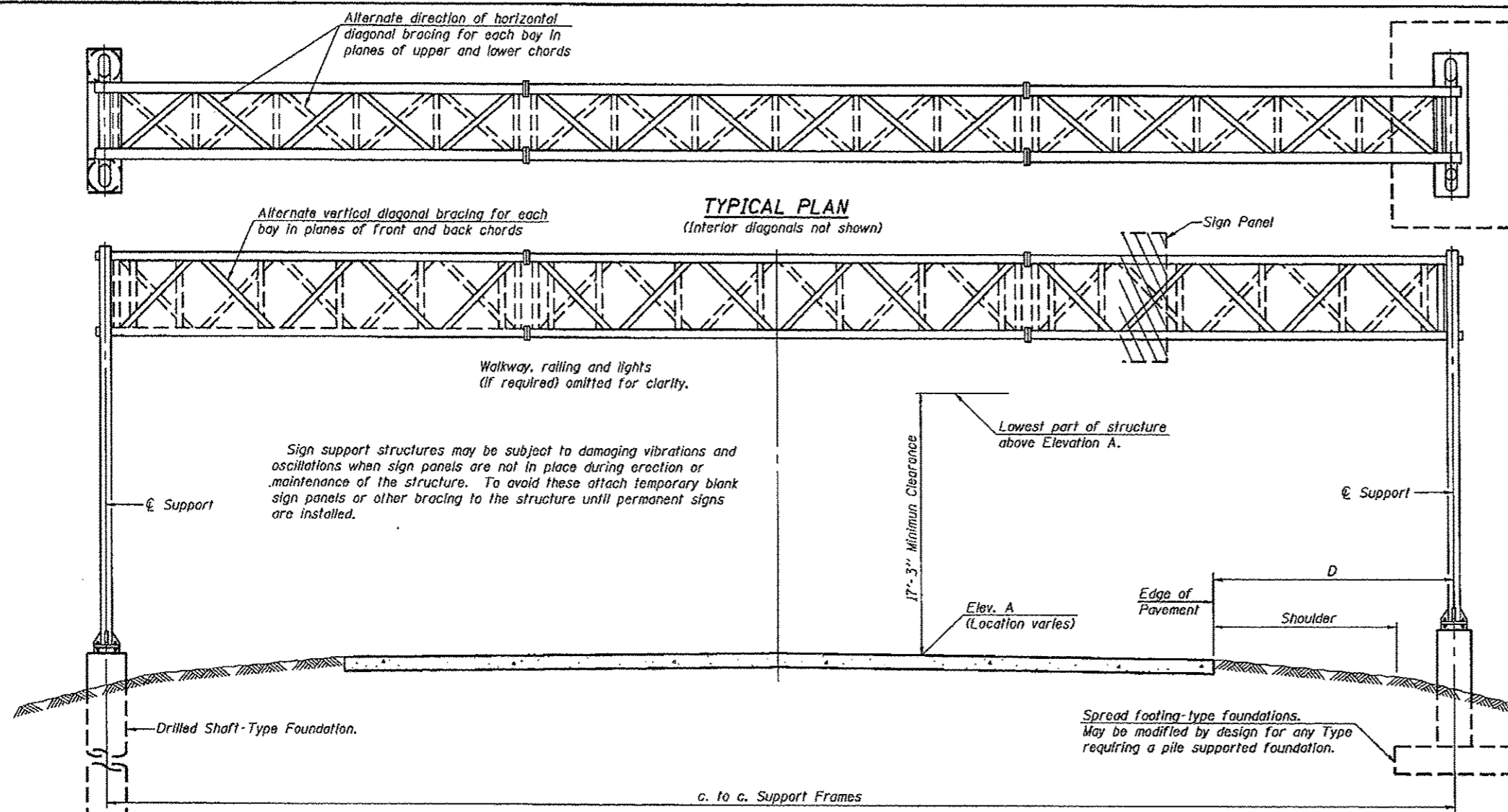
GUARDRAIL SCHEDULE

LOCATION STA TO STA	STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FOOT POSTS	REMOVE AND RERECT TRAFFIC BARRIER TERMINALS, TYPE 2	REMOVE AND RERECT TRAFFIC BARRIER TERMINALS, TYPE 1	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	GUARDRAIL MARKERS, TYPE B		TERMINAL MARKER - DIRECT APPLIED
	FOOT	EACH	EACH	EACH	EACH	AMBER EACH	CRYSTAL EACH	EACH
950441057R042.3								
NB I-57 MEDIAN								
STA 47+75 TO STA 47+87.5	PROPOSED							
STA 48+00 TO STA 48+12.5	EXISTING	1.0						
STA 47+87.5 TO STA 48+12.5						1.0		
NB I-57 OUTSIDE								
STA 47+75 TO STA 47+87.5	PROPOSED							
STA 48+00 TO STA 48+12.5	EXISTING	1.0						
STA 47+87.5 TO STA 48+12.5		25.0						
SB I-57 MEDIAN								
STA 44+37.5 TO STA 44+62.5		25.0						
STA 44+12.5 TO STA 44+62.5	EXISTING					1.0		
STA 43+87.5 TO STA 44+37.5	PROPOSED			1.0				
950641024L037.7								
WB I-24 OUTSIDE								
STA 368+75 TO STA 369+00		25.0						
STA 368+75 TO STA 369+25	EXISTING						1.0	
STA 369+00 TO STA 369+50	PROPOSED			1.0				
WB I-24 MEDIAN								
STA 369+37.5 TO STA 369+62.5		25.0					1.0	
STA 369+37.5 TO STA 369+87.5	EXISTING							
STA 369+62.5 TO STA 370+12.5	PROPOSED			1.0				
EB I-24 MEDIAN								
STA 365+87.5 TO STA 366+12.5		25.0					1.0	
STA 365+87.5 TO STA 366+00	EXISTING							
STA 366+12.5 TO STA 366+25	PROPOSED		1.0					
SUBTOTAL SHEET 1								
	150.0	3.0	3.0	0.0	0.0	4.0	2.0	0.0

GUARDRAIL SCHEDULE

LOCATION STA TO STA	STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FOOT POSTS	REMOVE AND RERECT TRAFFIC BARRIER TERMINALS, TYPE 2	REMOVE AND RERECT TRAFFIC BARRIER TERMINALS, TYPE 1	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	GUARDRAIL MARKERS, TYPE B		TERMINAL MARKER - DIRECT APPLIED
	FOOT	EACH	EACH	EACH	EACH	AMBER EACH	CRYSTAL EACH	EACH
9S0911057R029.8								
NB I-57 OUTSIDE								
STA 2719+00 TO STA 2719+12.5	PROPOSED		1.0					
STA 2719+25 TO STA 2719+37.5	EXISTING							
STA 2719+12.5 TO STA 2719+37.5		25.0					1.0	
NB I-57 MEDIAN								
STA 2719+00 TO STA 2719+12.5	PROPOSED		1.0					
STA 2719+25 TO STA 2719+37.5	EXISTING							
STA 2719+12.5 TO STA 2719+37.5		25.0				1.0		
SB I-57 MEDIAN								
STA 2715+12.5 TO STA 2715+62.5	PROPOSED			1.0				
STA 2715+37.5 TO STA 2715+87.5	EXISTING							
STA 2715+62.5 TO STA 2715+87.5		25.0				1.0		
9S1001024L001.1								
WB I-24 OUTSIDE								
STA 24+20 TO STA 24+70					1.0			1.0
STA 24+70 TO STA 27+32.5		262.5						4.0
STA 27+32.5 TO STA 27+45				1.0				
WB I-24 MEDIAN								
STA 24+20 TO STA 24+70					1.0	1.0		1.0
STA 24+70 TO STA 27+32.5		262.5				4.0		
STA 27+32.5 TO STA 27+45				1.0				
9S1001024L001.5								
WB I-24 OUTSIDE								
STA 118+50 TO STA 118+62.5	PROPOSED		1.0					
STA 119+00 TO STA 119+12.5	EXISTING							
STA 118+62.5 TO STA 119+12.5		50.0					1.0	
WB I-24 MEDIAN								
STA 118+50 TO STA 118+62.5	PROPOSED		1.0					
STA 119+00 TO STA 119+12.5	EXISTING							
STA 118+62.5 TO STA 119+12.5		50.0				1.0		
EB I-24 MEDIAN								
STA 114+62.5 TO STA 115+12.5	PROPOSED			1.0				
STA 115+12.5 TO STA 115+62.5	EXISTING							
STA 115+12.5 TO STA 115+62.5		50.0				1.0		
SUBTOTAL SHEET 1								
	150.0	3.0	3.0	0.0	0.0	4.0	2.0	0.0
SUBTOTAL SHEET 2								
	750.0	4.0	2.0	2.0	2.0	9.0	7.0	2.0
PROJECT TOTAL								
	900.0	7.0	5.0	2.0	2.0	13.0	9.0	2.0

FILE NAME =	USER NAME = pncostall	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL SCHEDULE SHEET 2 OF 2	*VARIOUS ROUTES		P.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
of\p\work\period\pncostall\08334584	gn - structure 2013 - sht - plndgn	DRAWN -	REVISED -			09 OVD SIN STR REPL13-11	VARIOUS	29	7			
Default	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -			CONTRACT NO. 46227						
	PLOT DATE = 2/28/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						
						SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.



DESIGN WIND LOADING DIAGRAM
Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

TYPICAL ELEVATION
(Looking at Face of Signs)**

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
950441057R042.3	47+75	I-A	88'	659.53'	32'	12'	150.0
950641024L037.7	366+25	III-A	111'	347.34'	32'	14.5'	344.0
950641024L038.6	411+75	III-A	121'	371.54'	19'	14.5'	381.75
950911057R029.8	2719+00	III-A	93'	508.94'	20'	12'	224.0
951001024L001.1	27+45	II-A	103'	658.32'	32'	10'	265.0
951001024L001.5	118+50	I-A	88'	645.45'	32'	12'	282.0

**Looking upstation for structures with signs both sides.

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
f_c = 3,500 p.s.i.
f_y = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer. The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAF") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Bridge Seal Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

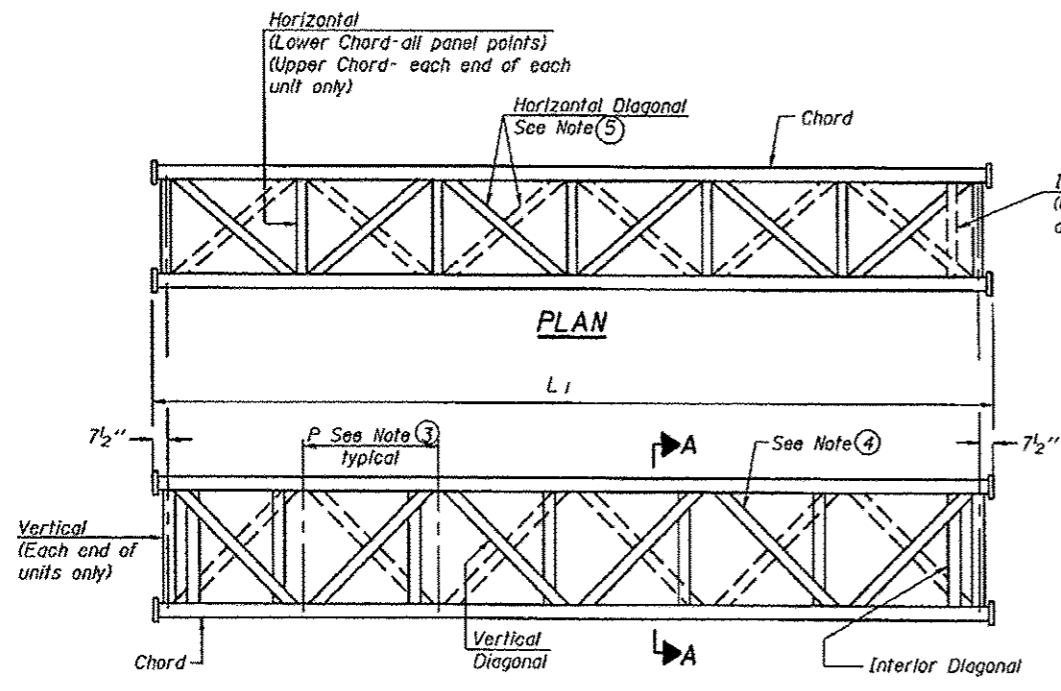
FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

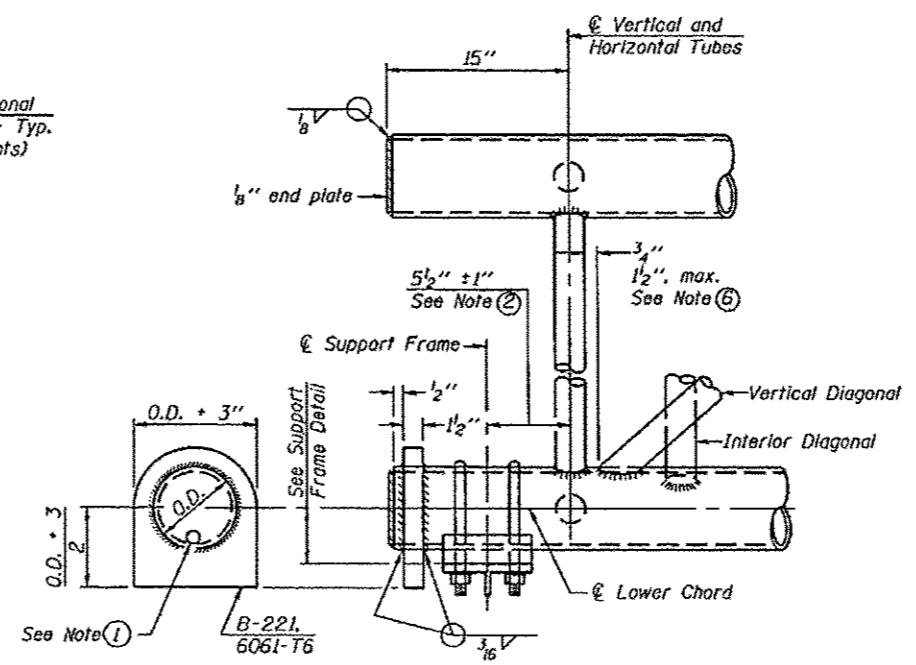
ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	176
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	103
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	95
CONCRETE FOUNDATIONS	Cu. Yds.	
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	133.1

05-A-1

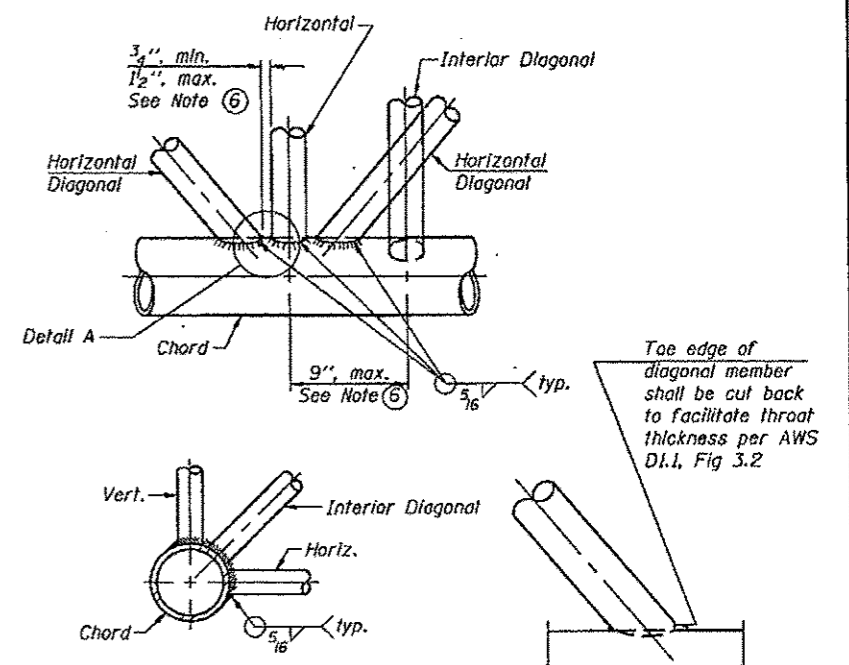
6-1-12



ELEVATION
TYPICAL INTERIOR UNIT
Even number of panels/interior unit required.

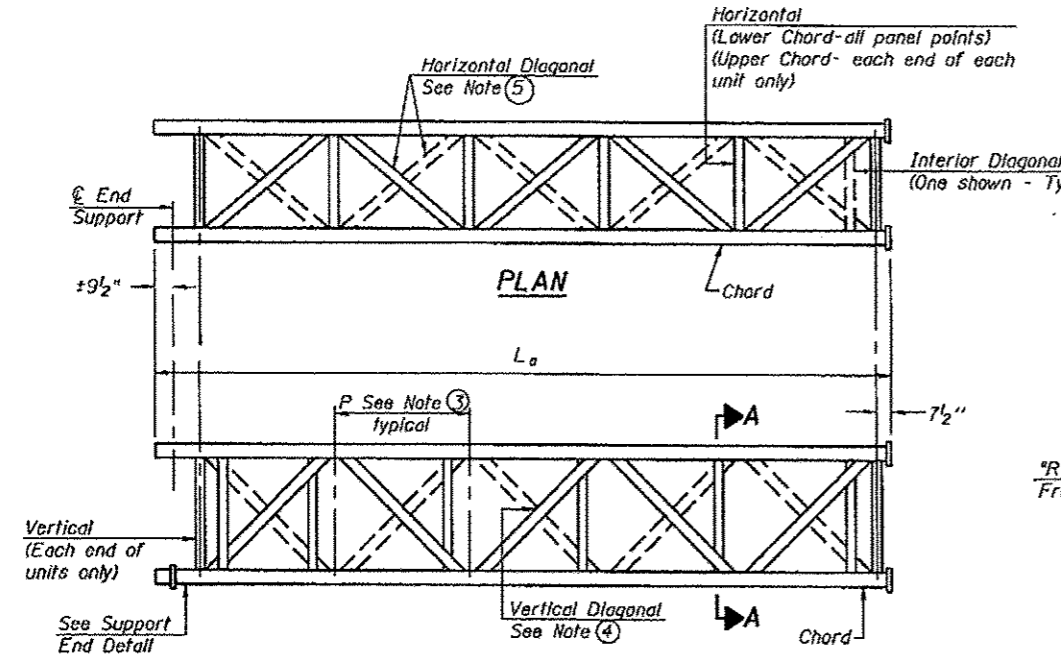


SUPPORT END DETAIL FOR EXTERIOR UNIT

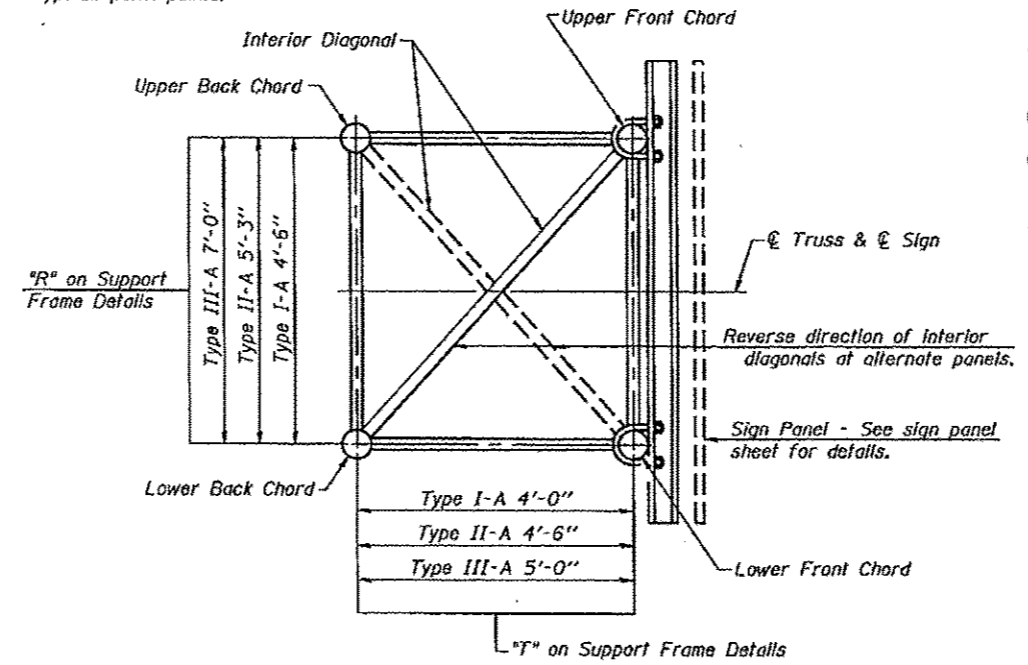


TYPICAL JOINT DETAILS

DETAIL A



ELEVATION
TYPICAL EXTERIOR UNIT
Even or odd number of panels/exterior units allowed.



SECTION A-A

- ① Contractor may alternatively use standard aluminum drive-fit cap to close end. 1/2" diameter drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
- ② 5 1/2" end dimension may vary by +/- 1" to provide uniform panel spacing (P).
- ③ Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
- ④ Vertical Diagonals in front and back face shall alternate.
- ⑤ Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
- ⑥ All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a 3/4" minimum to 1 1/2" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.

OS-A-2

6-1-12

FILE NAME =	USER NAME = p120hett1	DESIGNED -	REVISED -
of:\p120hett1\p120hett1\0334584\	gn_structures2813-eh1-pln.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000 / 1 in	CHECKED -	REVISED -
	PLOT DATE = 2/28/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

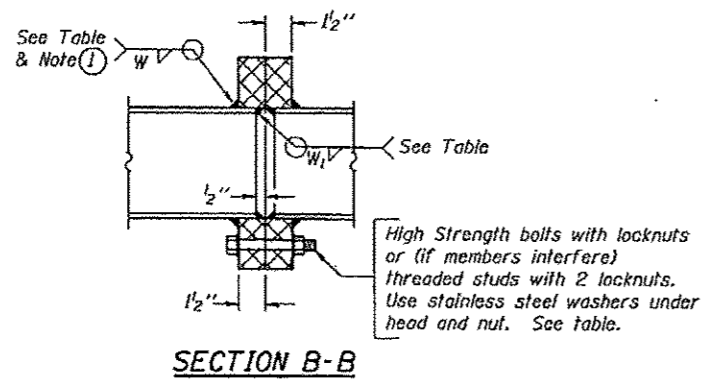
OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS
DETAILS FOR TRUSS TYPES I-A, II-A AND III-A

SCALE: SHEET OF SHEETS STA. TO STA.

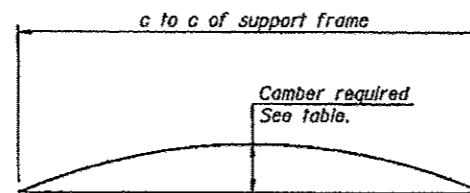
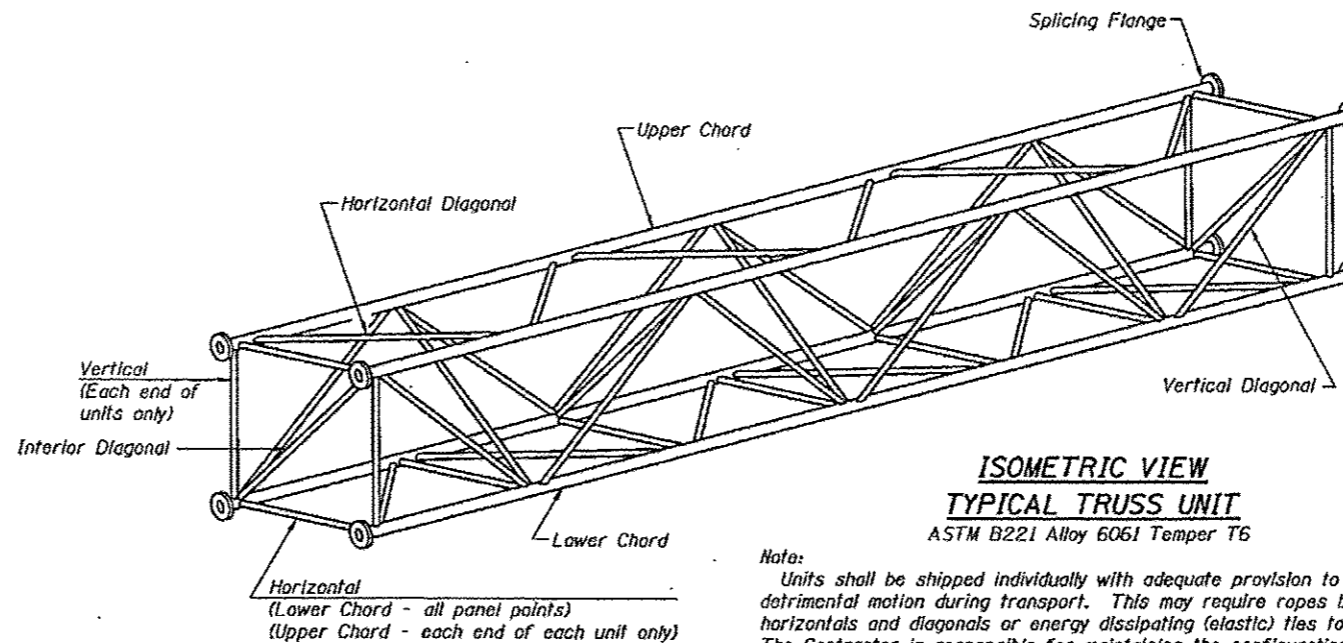
*VARIOUS ROUTES				
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09	OVD SIN STR REPL13-11	VARIOUS	29	9
CONTRACT NO. 46227				
ILLINOIS FED. AID PROJECT				

TRUSS UNIT TABLE

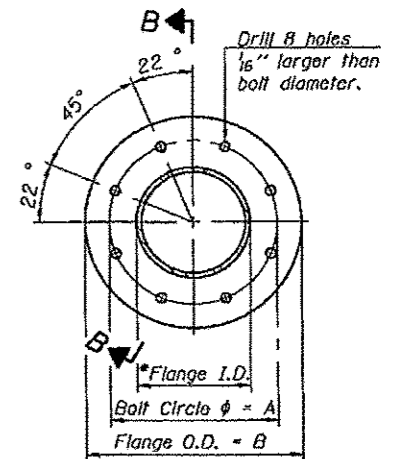
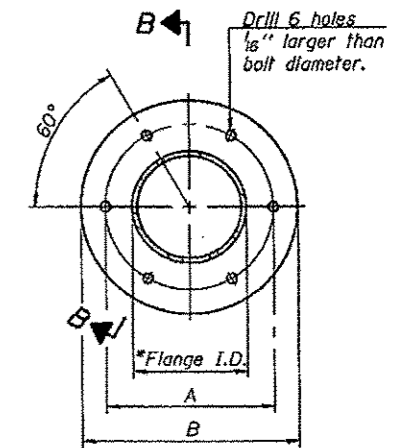
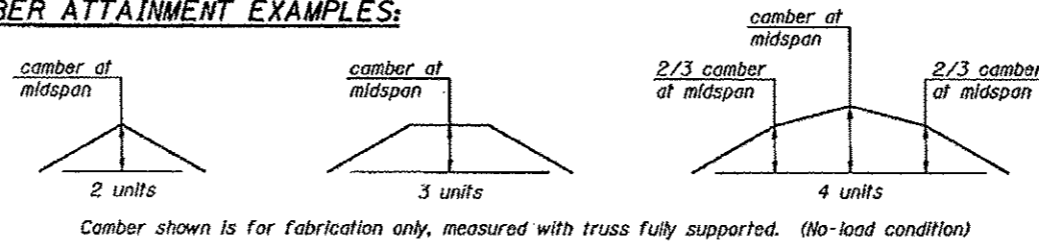
Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit			Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange						
			No. Panels per Unit	Unit Lgth.(L _u)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L _i)	Panel Lgth.(P)	O.D.	Wall	O.D.		Wall	No./Splice	Bolts Dia.	Weld Sizes W	W ₁	A	B
9S0441057R042.3	47+75	I-A	6	30'-1 1/2"	4'-8 1/2"	1	6	29'-6"	4'-8 1/2"	5"	5/16"	2 1/2"	5/16"	2.65"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
9S1001024L001.1	27+45	II-A	7	36'-8 3/4"	4'-11 3/4"	1	6	31'-1 1/2"	4'-11 3/4"	6 1/2"	5/16"	3"	5/16"	3.25"	6	1"	3/8"	1/4"	11"	14 1/2"
9S1001024L001.5	118+50	I-A	6	30'-1 1/2"	4'-8 1/2"	1	6	29'-6"	4'-8 1/2"	5"	5/16"	2 1/2"	5/16"	2.65"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"



① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or lags shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.



CAMBER ATTAINMENT EXAMPLES:



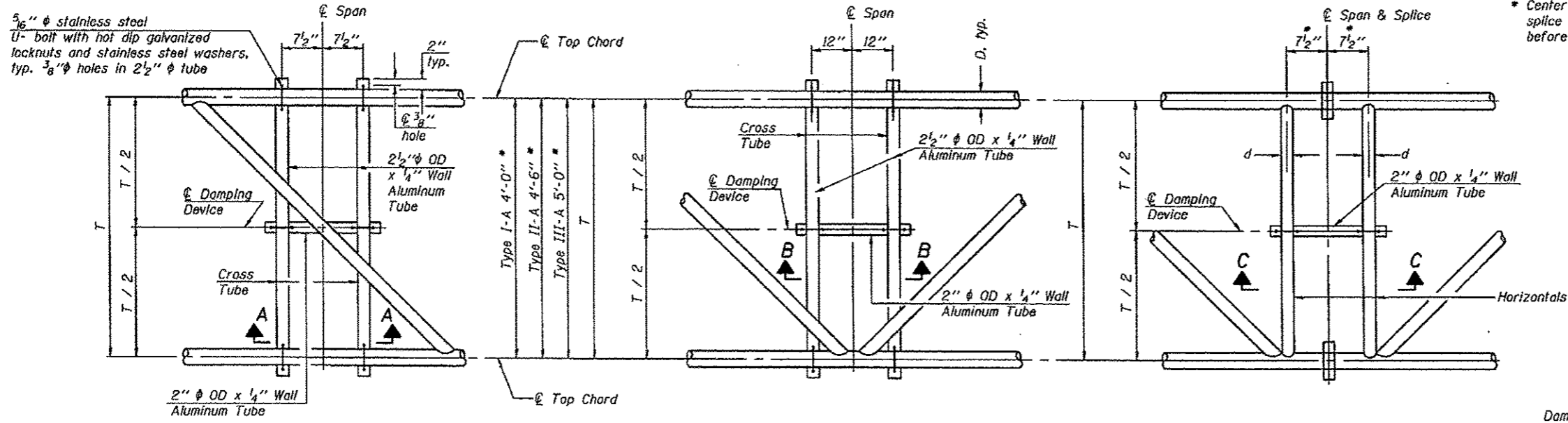
SPLICING FLANGES
ASTM B221, Alloy 6061-T6
or ASTM B209, Alloy 6061-T651
*To fit O.D. of Chord with maximum gap of 1/16".

OS4-A-2

6-1-12

FILE NAME *	USER NAME * prtohetll	DESIGNED --	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS DETAILS FOR TRUSS TYPES I-A, II-A AND III-A	*VARIOUS ROUTES		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pwwork\pwwork\prtohetll\09334284\	gn_structur2813-ah:pln.dgn	DRAWN --	REVISED --			09 QVD SIN STR REPL13-11	VARIOUS	29	10			
Default	PLDT SCALE * 1/8"=1'-0" / in.	CHECKED --	REVISED --			CONTRACT NO. 46227						
	PLDT DATE * 2/26/2013	DATE --	REVISED --			SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

5/16" φ stainless steel U-bolt with hot dip galvanized locknuts and stainless steel washers, typ. 3/8" φ holes in 2 1/2" φ tube



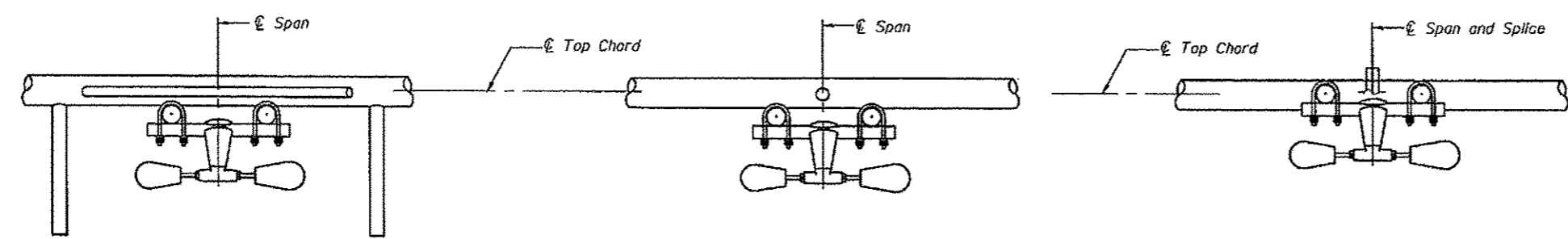
* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.

PLAN DETAIL "A"
Span between Panel Points

PLAN DETAIL "B"
Span at Panel Point

PLAN DETAIL "C"
Span at Chord Splice

NOTES
 Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure...
 Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...

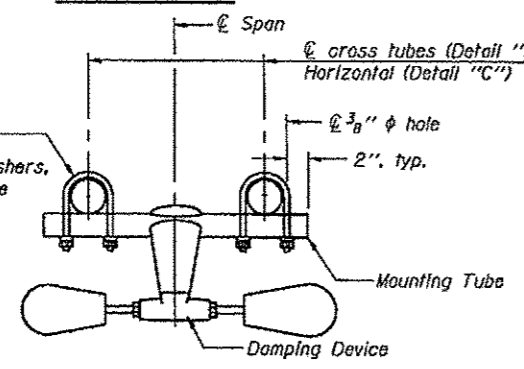


SECTION A-A

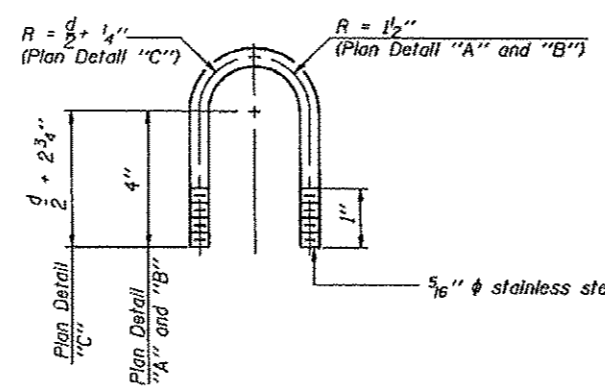
SECTION B-B

SECTION C-C

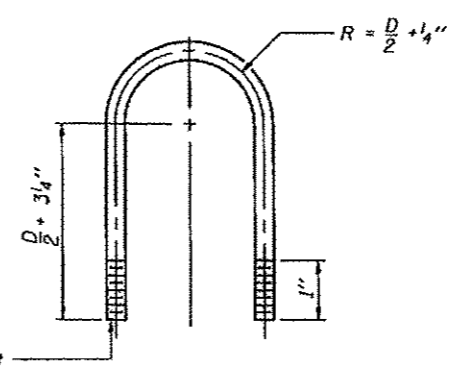
5/16" φ stainless steel U-bolt with hot dip galvanized locknuts and stainless steel washers, typ. 3/8" φ holes in mounting tube



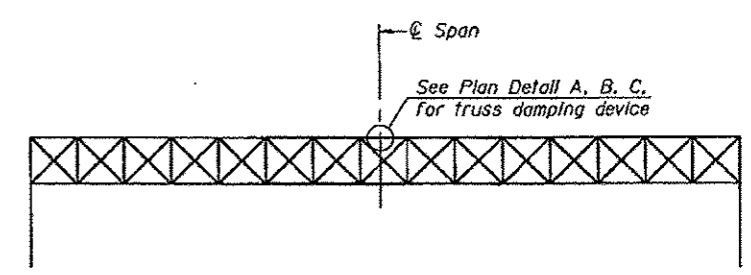
TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)



TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical - Detail "A" and "B")



ELEVATION
Aluminum Overhead Sign Truss

OS-A-D

6-1-12

FILE NAME =	USER NAME = prstohettl	DESIGNED -	REVISED -
ar\pe-work\pudat\prstohettl\0334584\	sign structure\2813-sht-pin.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -
	PLOT DATE = 2/20/2013	DATE -	REVISED -

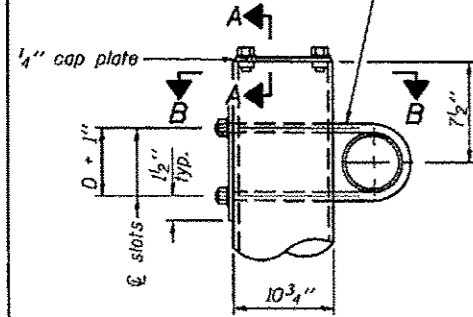
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURE
DAMPING DEVICE

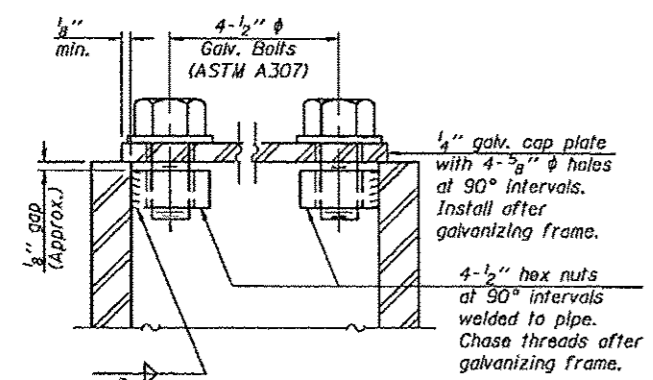
SCALE: SHEET OF SHEETS STA. TO STA.

*VARIOUS ROUTES				
R.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	09 OVD SIN STR REPL13-11	VARIOUS	29	11
			CONTRACT NO. 46227	
ILLINOIS FED. AID PROJECT				

3/4" φ stainless steel U-bolt.
Provide two washers and two hexagon locknuts. (4)
1 1/2" x 2" slots on 10" φ pipe.
(4 slots required per pipe)

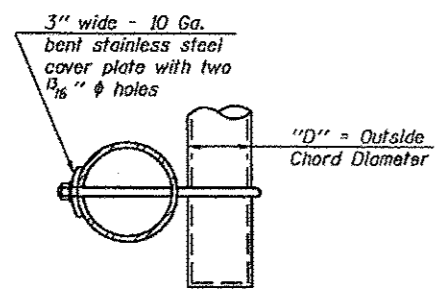


DETAIL A

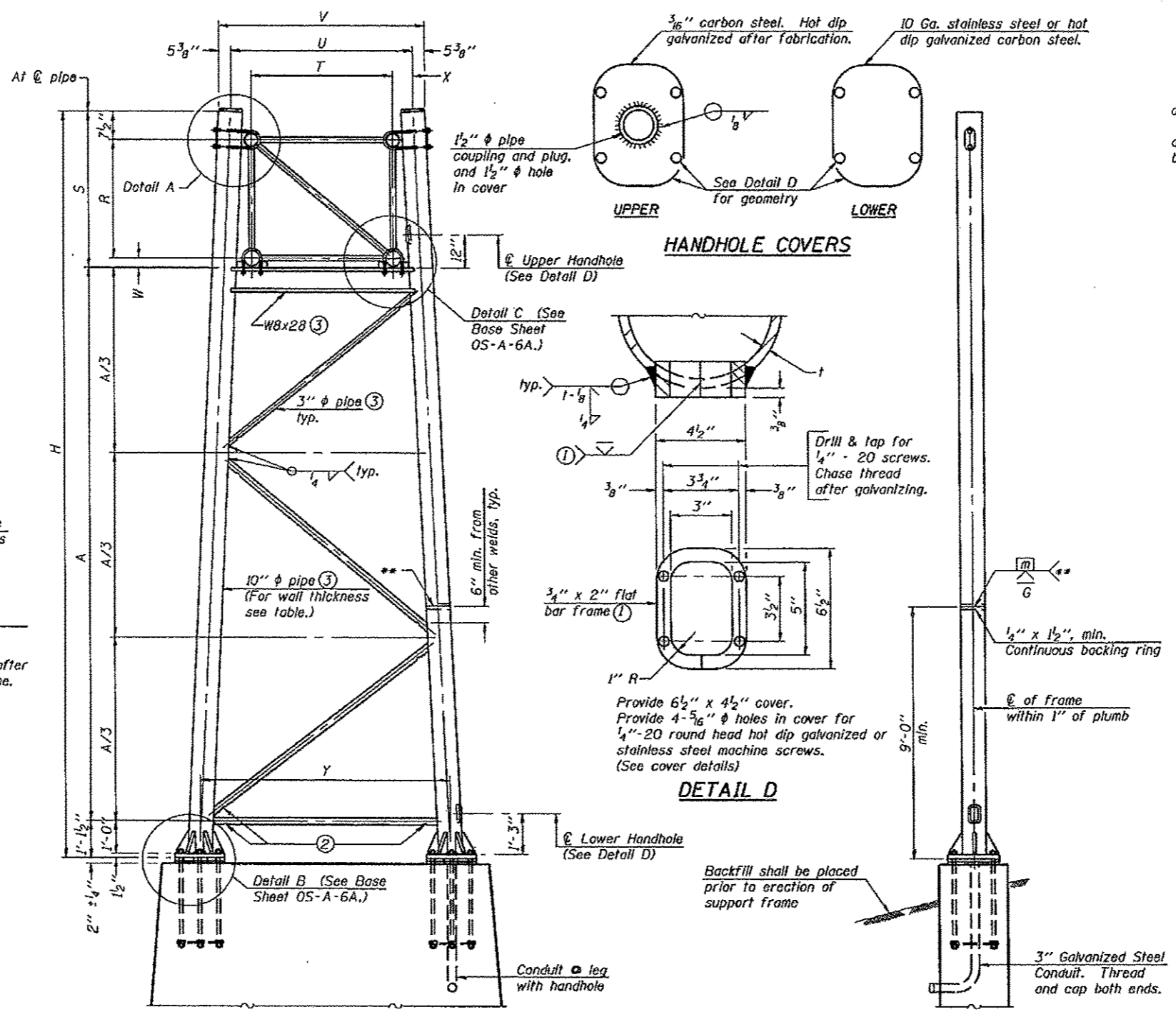


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



SECTION B-B



For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION

10" φ PIPE TRUSS SUPPORT FRAME

** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5 1/2"	4'-0"	5'-6"	6'-4 3/4"	4"	9"	8'-3"
II-A (6)	5'-3"	6'-3 1/4"	4'-6"	6'-1"	6'-11 3/4"	4 3/4"	9 1/2"	8'-3"

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
Load combinations checked include deadload plus:
a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

- In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μin or less.
- Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- See General Notes for fasteners.
- Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- "H" based on 15'-0" or actual sign height, whichever is greater.

Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H (6)	A
		Left	Right				
9S0441057R042.3	47+75		X	I-A	0.365	31.70'	25.12'
9S0441057R042.3	47+75	X		I-A	0.365	28.38'	21.80'
9S1001024L001.1	27+45		X	II-A	0.500	31.85'	24.46'
9S1001024L001.1	27+45	X		II-A	0.500	29.93'	22.54'
9S1001024L001.5	118+50		X	I-A	0.365	32.89'	26.31'
9S1001024L001.5	118+50	X		I-A	0.365	29.85'	23.27'

END ELEVATION

OS-A-6

6-1-12

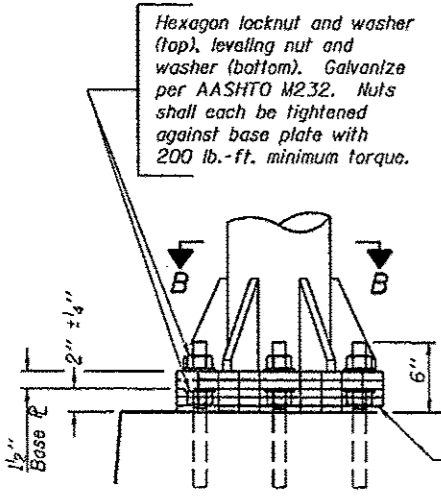
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		-	-
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		-	-
	PLOT DATE = 2/20/2013	DATE -	REVISED -
		-	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR ALUMINUM TRUSS

SCALE: SHEET OF SHEETS STA. TO STA.

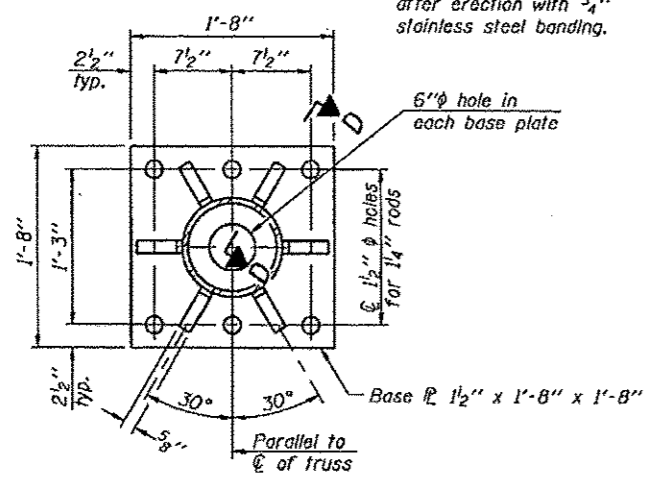
*VARIOUS ROUTES			
P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
09 OVD SIN STR REPL13-11	VARIOUS	VARIOUS	29
CONTRACT NO. 46227		SHEET NO. 12	
ILLINOIS FED. AID PROJECT			



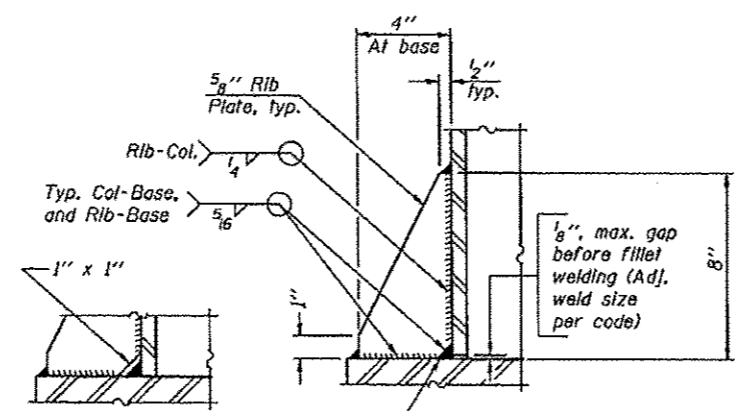
DETAIL B

Ribs shall be cut to fit slope of pipe.

Stainless Steel Standard Grade Wire Cloth, 3" wide, 1/4" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with 3/4" stainless steel banding.



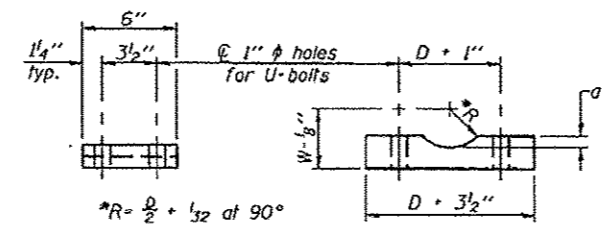
SECTION B-B



SECTION D-D

** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.

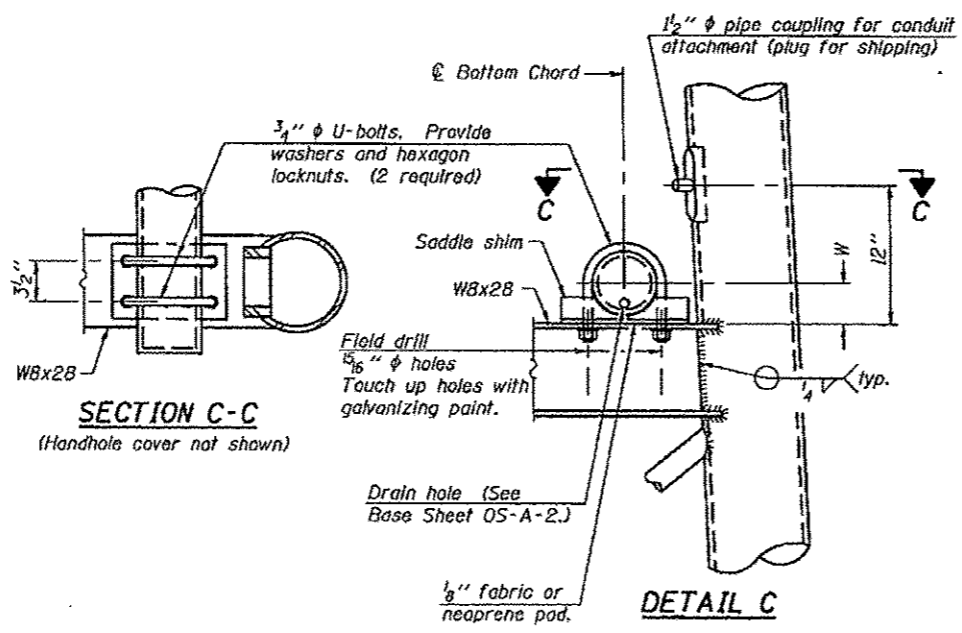
No snip req'd. at rib inside corner if placed before col. to base plate welding.



SADDLE SHIM DETAIL

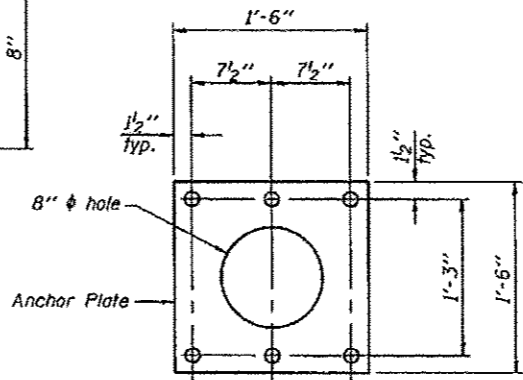
ASTM B26 Alloy 356-F or ASTM B209 Alloy 6061-T651 (4 required per sign truss)

Truss Chord Nominal Dia.	a
5"	3/4"
5 1/2"	13/16"
6"	7/8"
6 1/2"	15/16"
7"	1"

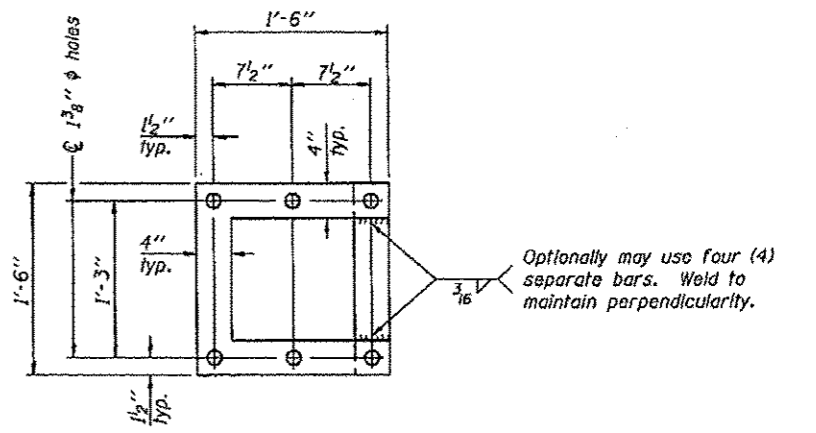


SECTION C-C

DETAIL C

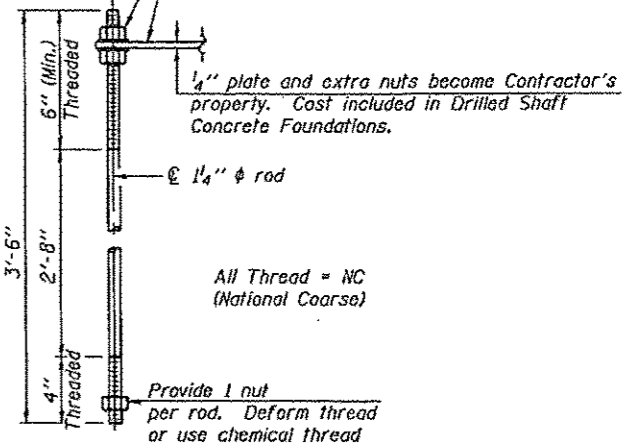


ANCHOR ROD DETAIL
Spread Footing Foundation

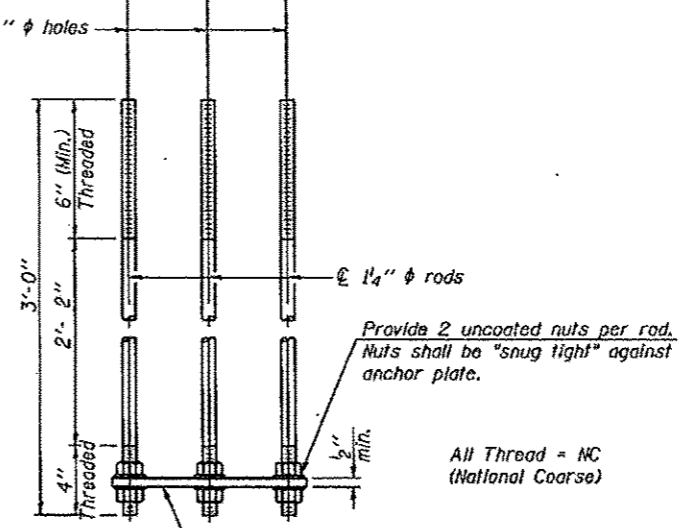


POSITIONING PLATE(S)

At each location, provide 1/4" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.



ANCHOR ROD DETAIL
Drilled Shaft Foundation



ANCHOR ROD DETAIL
Spread Footing Foundation

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.

10" Ø PIPE SUPPORT FRAME DETAILS

OS-A-6A

6-1-12

FILE NAME	USER NAME	DESIGNED	REVISED
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on structure2013-shr.pln.dgn	prchattell	DRAWN	REVISED
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Default	prchattell	DATE	REVISED

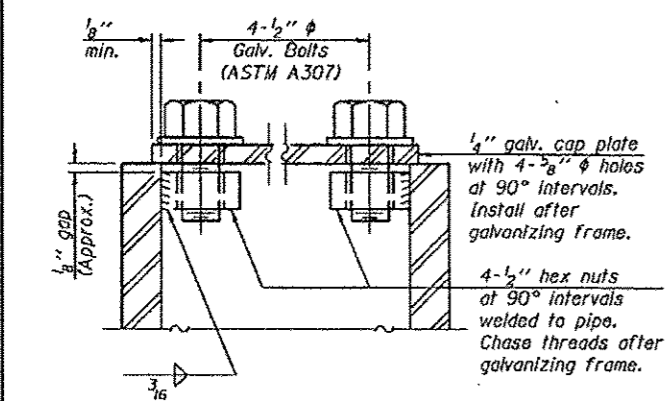
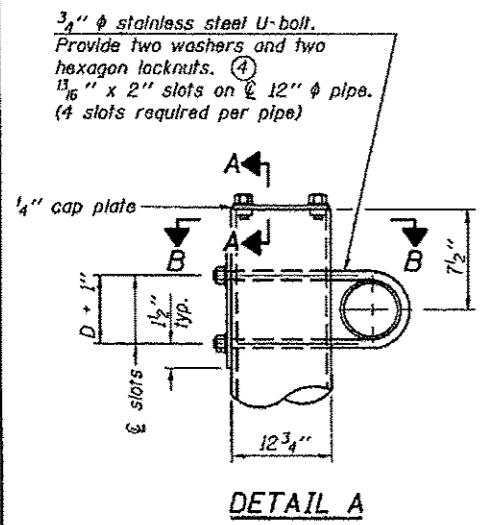
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES			
SUPPORT FRAME DETAILS - ALUMINUM TRUSS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

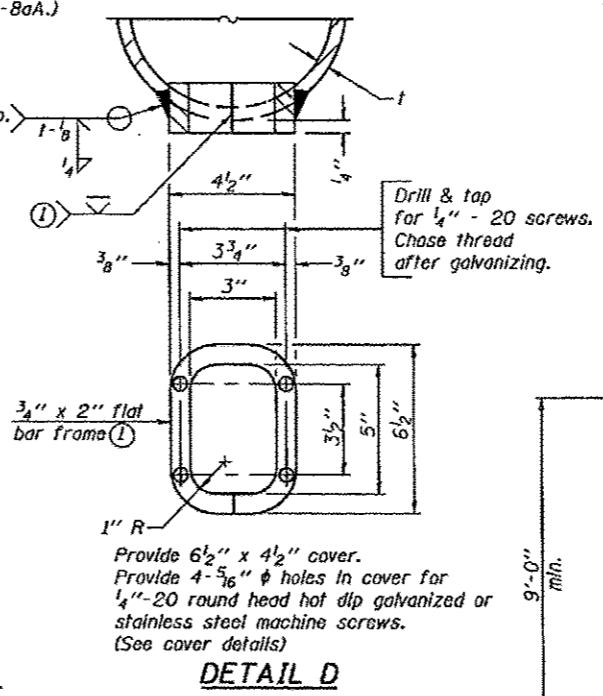
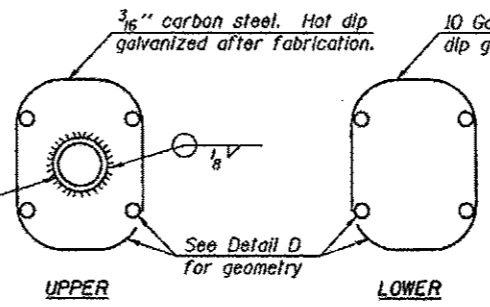
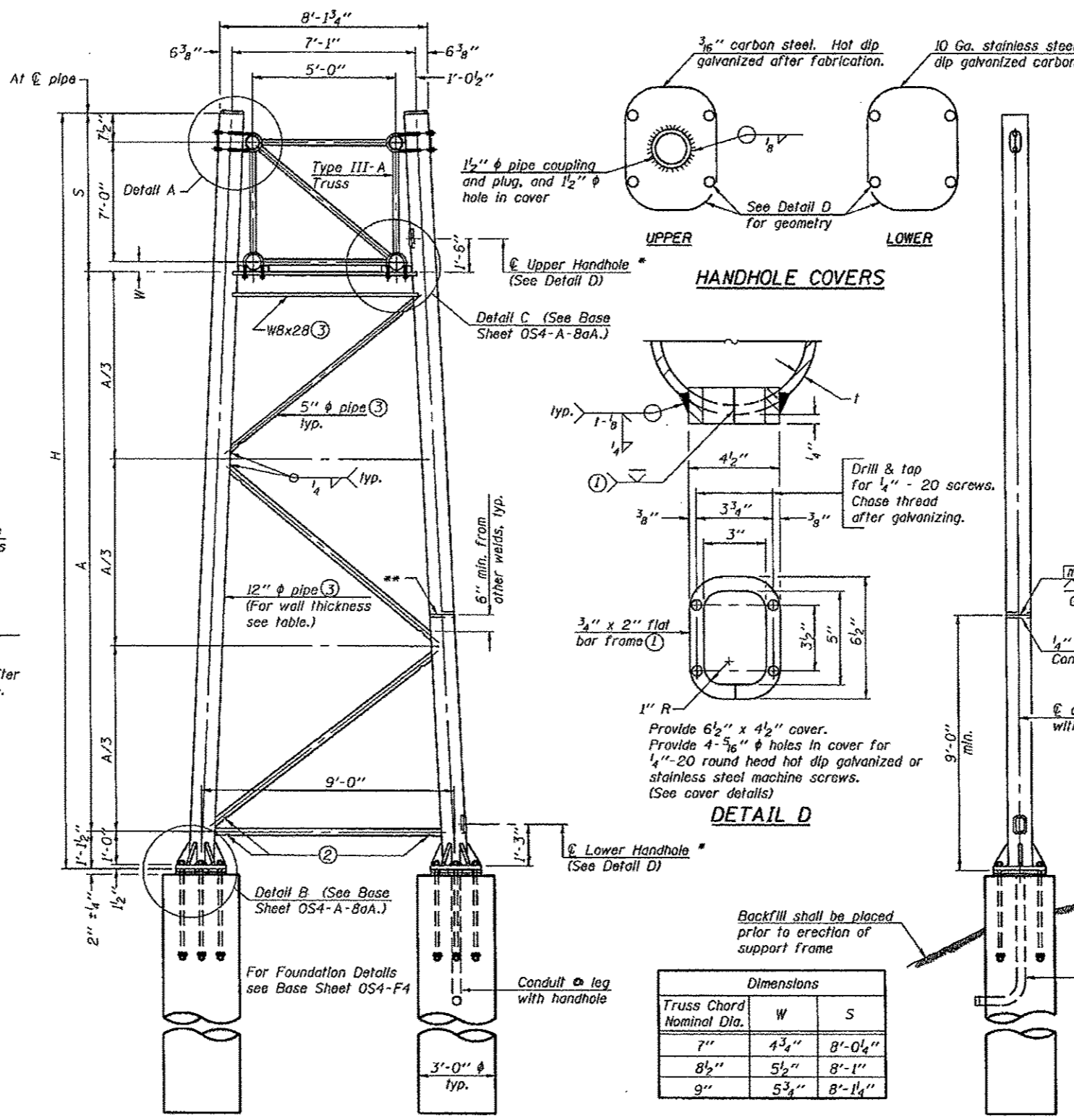
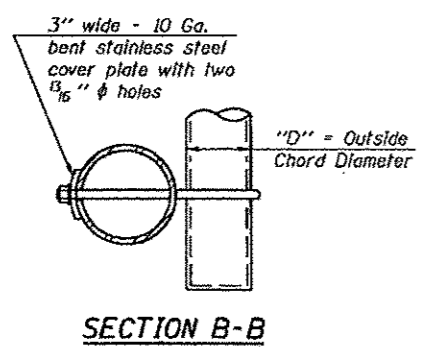
VARIOUS ROUTES				
P.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	D9 DVD SIN STR REPL13-11	VARIOUS	29	13
				CONTRACT NO. 46227
ILLINOIS FED. AID PROJECT				

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
 Load combinations checked include deadload plus:
 a) 100% wind normal to sign, 20% parallel to sign
 b) 60% wind normal to sign, 30% parallel to sign

- ① In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μ-in or less.
 - ② Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
 - ③ Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
 - ④ See General Notes for fasteners.
 - ⑤ Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
 - ⑥ "H" based on 15'-0" or actual sign height, whichever is greater.
- * For dynamic message sign installations, provide upper and lower handholes in both legs of each support frame.



SECTION A-A
 As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



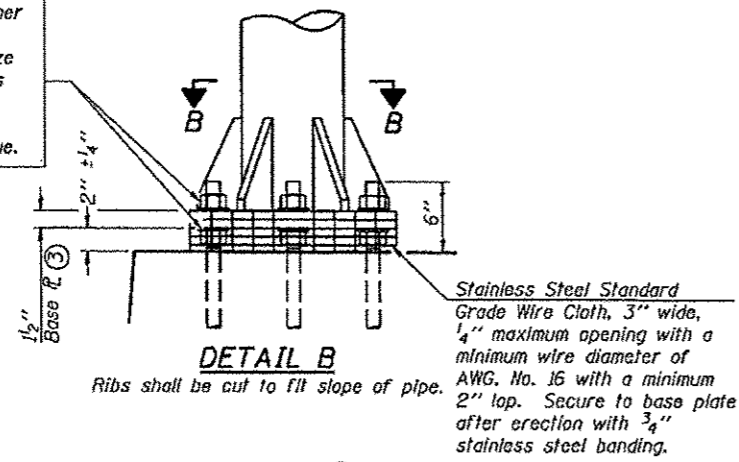
Dimensions		
Truss Chord Nominal Dia.	W	S
7"	4 3/4"	8'-0 1/4"
8 1/2"	5 1/2"	8'-1"
9"	5 3/4"	8'-1 1/4"

TRUSS SUPPORT DETAILS
 (12" φ Pipe-Type III-A Truss)
 ** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

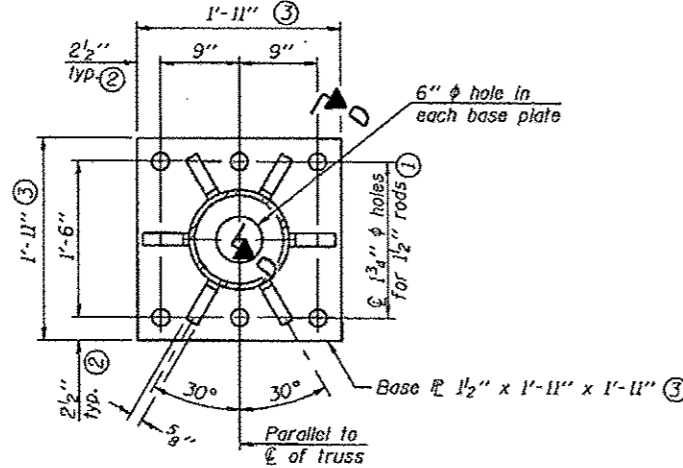
Structure Number	Station	Support		Pipe Wall Thickness	H ⑥	A
		Left	Right			
9S0641024L037.7	366+25		X	0.333	33.81'	24.66'
9S0641024L037.7	366+25	X		0.333	31.68'	22.53'

OS4-A-8a 6-1-12

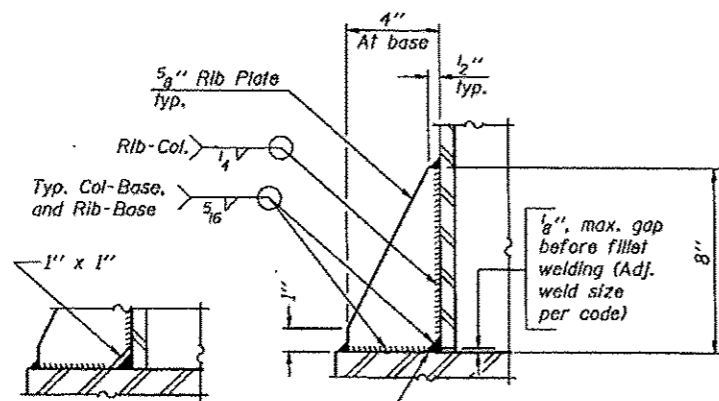
Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.



DETAIL B
Ribs shall be cut to fit slope of pipe.
Stainless Steel Standard Grade Wire Cloth, 3" wide, 1/4" maximum opening with a minimum wire diameter of AWG No. 16 with a minimum 2" lap. Secure to base plate after erection with 3/4" stainless steel banding.

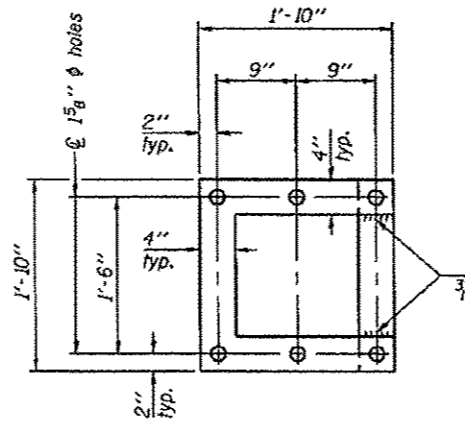


SECTION B-B

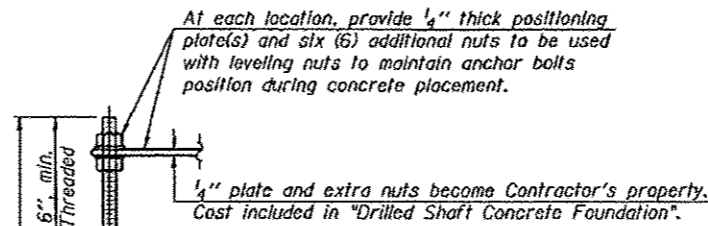


** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.

SECTION D-D



POSITIONING PLATE(S)



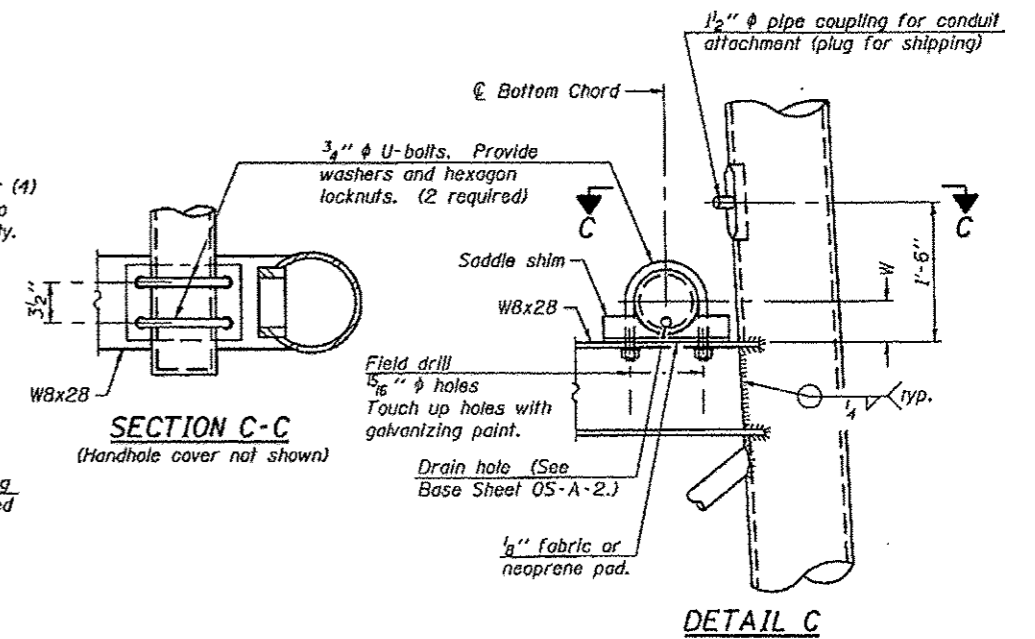
ANCHOR ROD DETAIL

At each location, provide 1/4" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.
1/4" plate and extra nuts become Contractor's property. Cost included in "Drilled Shaft Concrete Foundation".
All Thread = NC (National Coarse)
Provide 1 nut per rod. Deform thread or use chemical thread lock to secure.
Anchor rods shall conform to ASTM F1554 Grade 105 Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.

**TYPE III-A TRUSS
12" φ PIPE SUPPORT FRAME DETAILS**

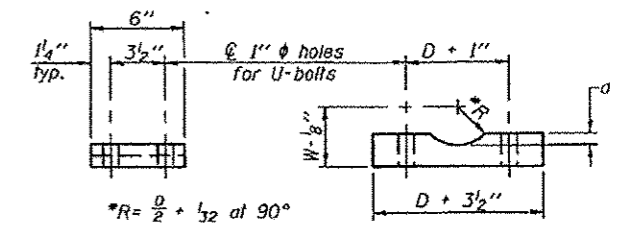
Notes:
For Type III-A Truss spans greater than 150 ft. and up to 160 ft.:

- ① 1 3/4" φ rod, 2" φ holes
- ② 2 3/4" edge distance
- ③ Base Pl. 1 5/8" x 1'-11 1/2" x 1'-11 1/2"



SECTION C-C
(Handhole cover not shown)

DETAIL C



SADDLE SHIM DETAIL

Truss Chord Nominal Dia.	0
7"	1"
8 1/2"	1 1/4"
9"	1 3/8"

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

OS4-A-8aA

6-1-12

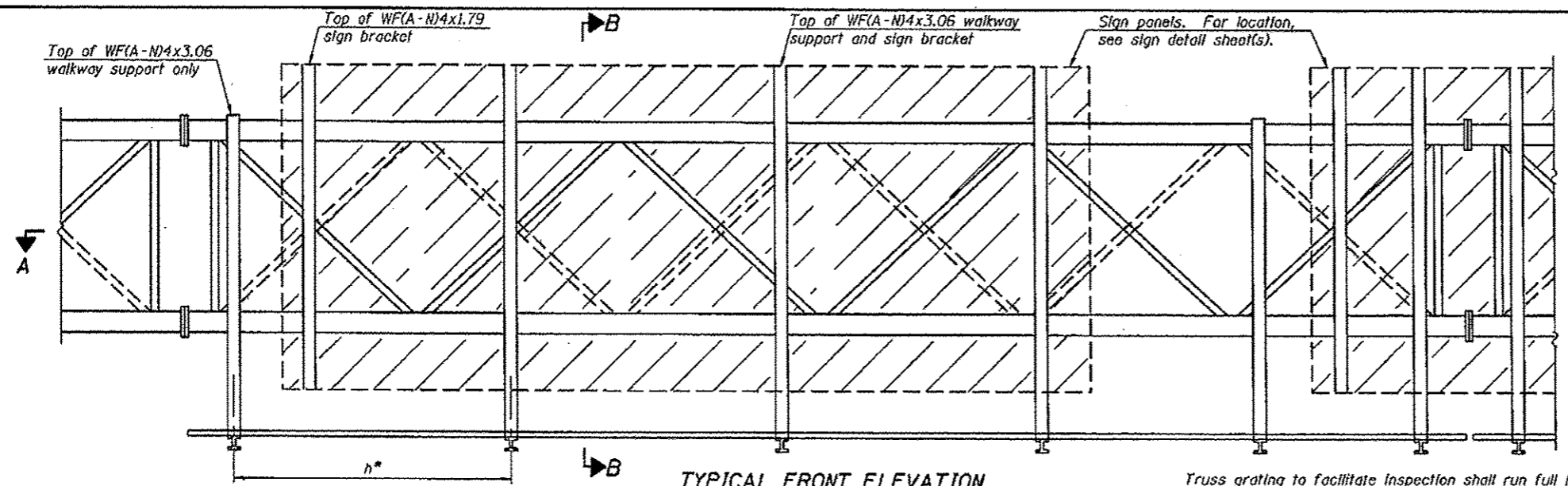
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os4-a-8aA	pritchett	CHECKED	REVISED
os4-a-8aA	pritchett	DATE	REVISED

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DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR TYPE III-A ALUMINUM TRUSS

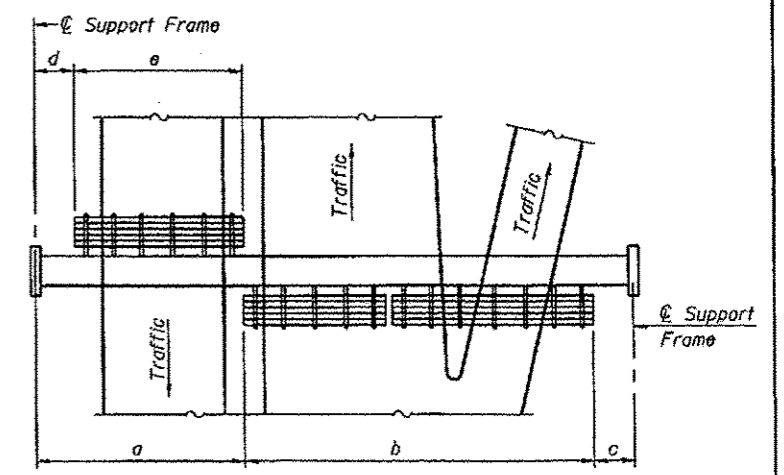
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D9 OVD SIN STR REPL13-11	VARIOUS	29	15
CONTRACT NO. 46227			

SCALE: SHEET OF SHEETS STA. TO STA.

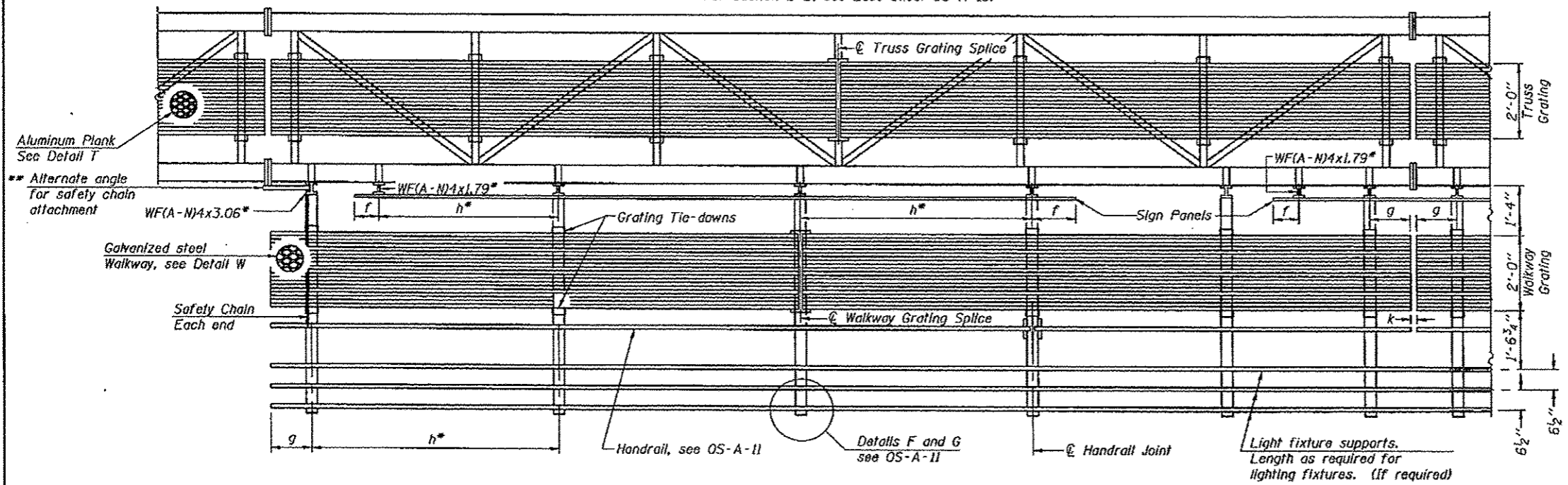


TYPICAL FRONT ELEVATION
 With lights and handrail omitted for clarity.
 For Section B-B, see Base Sheet OS-A-10.

Truss grating to facilitate inspection shall run full length (center to center of support frames) ±12" on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".



PLAN WALKWAY AND HANDRAIL SKETCH
 (Road plan beneath truss varies)



SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints. Place all sign and walkway brackets as close to panel points as practical. Handrail joints, grating, and light support splices placed as needed.

Note: Details shown are considered equal alternatives to the Aluminum Walkway on Base Sheet OS-A-9, and may be substituted by Contractor at no change in contract cost.

Walkway and Truss Grating width dimensions are nominal and may vary ±1/2" based on available standard widths.

Notes:
 * Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:

f = 12" maximum, 4" minimum (End of sign to center of nearest bracket)
 g = 12" maximum, 4" minimum (End of walkway grating to center of nearest support bracket)
 h = 6'-0" maximum (center to center of sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)
 k = 2" maximum gap between adjacent walkway grating sections and handrail ends

** If walkway bracket at safety chain location is behind sign, add angle to bracket, see Alternate Safety Chain Attachment on Base Sheet OS-A-11.

For Details T and W, Section B-B and Grating Splice Details see Base Sheet OS-A-10.
 For handrail details see base sheet OS-A-11.

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06 ASTM B308, Alloy 6061-T6		
Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
8'-0"	8'-0"	2
14'-0"	14'-0"	3
20'-0"	20'-0"	4
26'-0"	26'-0"	5
32'-0"	32'-0"	6

Structure Number	Station	a	b	c	d	e	Walkway Grating and Handrail Lengths
9S0441057R042.3	47+75	32'	28'	28'	X	X	28'
9S1001024L001.1	27+45	32'	39'	32'	X	X	39'
9S1001024L001.5	118+50	32'	28'	28'	X	X	28'

OS-A-9S

6-1-12

FILE NAME =	USER NAME = pritchettj	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

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 DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
 ALTERNATE WALKWAY DETAILS**

-VARIOUS ROUTES			
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEET NO.
09 OVD SIN STR REPL13-11	VARIOUS	29	16
CONTRACT NO. 46227			

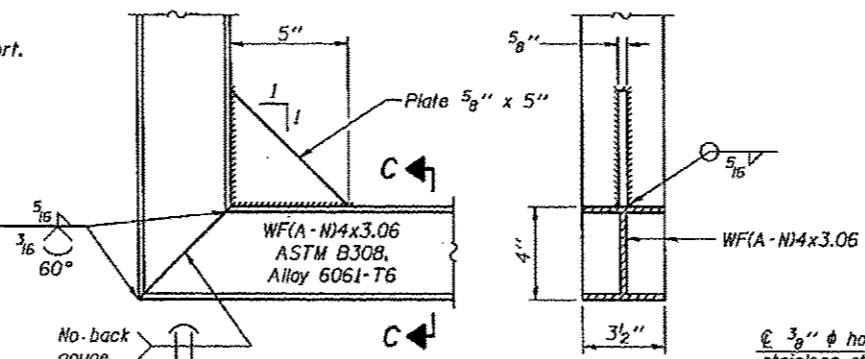
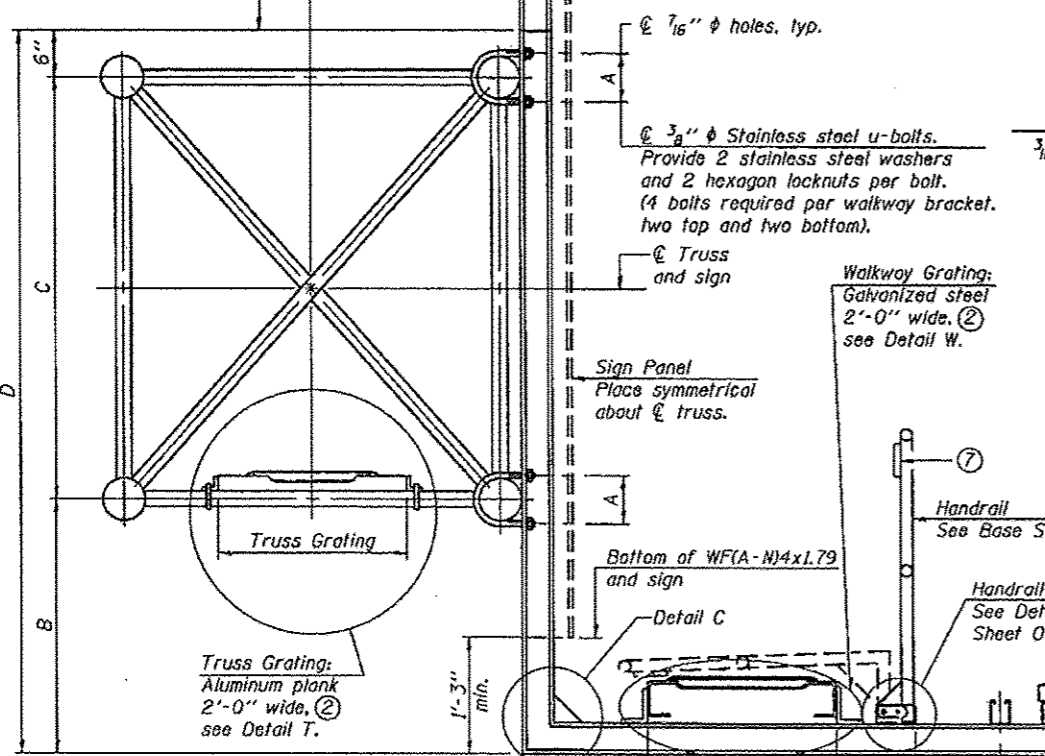
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SCALE: SHEET OF SHEETS STA. TO STA.

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Minimum elevation for top of WFA-N4x3.06 for support walkway only.

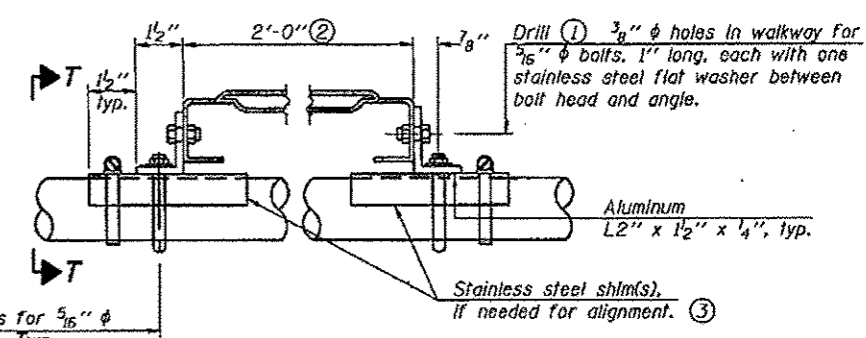
WFA-N4x1.79 Sign support or WFA-N4x3.06 sign and walkway support.



DETAIL C

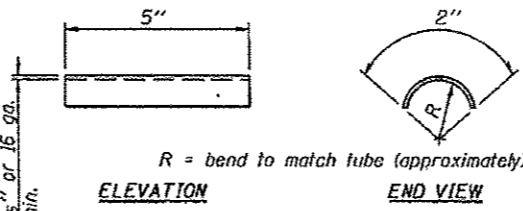
SECTION C-C

3/8" holes in angles for 5/16" stainless steel u-bolts. Two stainless steel washers and hot dip galvanized steel nuts required per bolt. U-bolt and angle connections required at horizontals only.



DETAIL T

(Truss grating at horizontal)

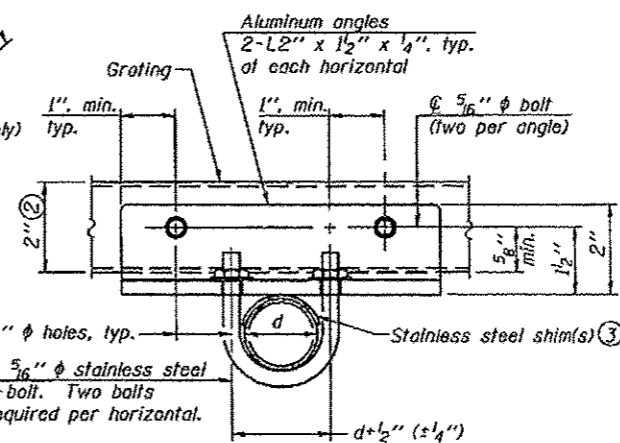


ELEVATION

END VIEW

SHIM DETAIL

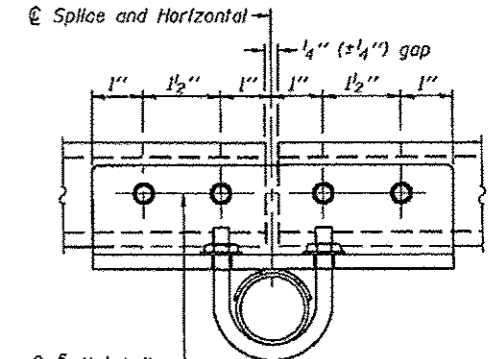
R = bend to match tube (approximately)



SECTION T-T

(Truss Grating Continuous)

d = outside diameter of horizontal



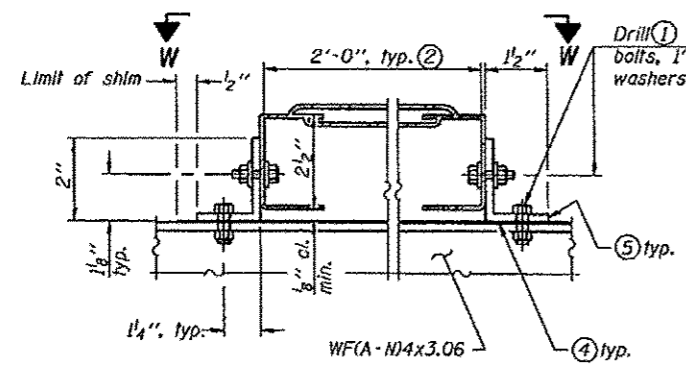
SECTION T-T

(Truss Grating Splice)

Alternate splice details and locations may be used subject to the Engineer's review and approval.

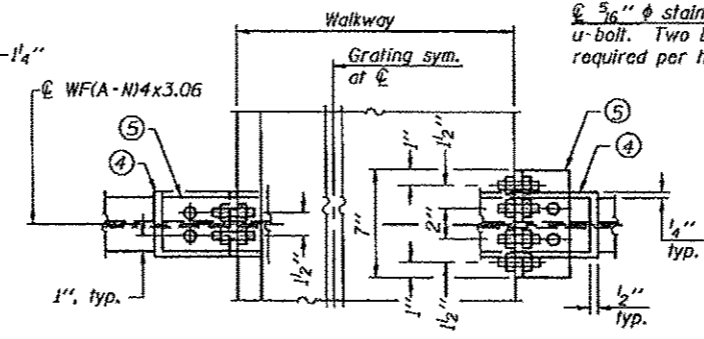
Sign shall be even with the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.

SECTION B-B



DETAIL W

GALVANIZED STEEL WALKWAY GRATING



WALKWAY GRATING CONTINUOUS AT WALKWAY GRATING SPLICE

SECTION W-W

- ① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- ② Perforated or expanded metal grating providing a skid resistant (non-serrated) surface and capable of supporting a 500 pound concentrated load with a 6'-0" clear span. Walkway and truss grating dimensions are nominal and may vary (width ±1/2", depth ±1/2") based on available standard sizes. Cut ends of grating shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.
- ③ Stainless steel shims shall be placed under angles at horizontals and horizontal diagonals if needed to compensate for alignment variations and differences in horizontal diagonal pipe sizes beyond adjustment provided by angles. Secure with one stainless steel clamp per location, see "Shim Detail". Thicker shim plates may be used when needed subject to shims performing properly.
- ④ 1/8" (or 16 ga.) x 2 1/2" x 1" stainless steel shim adhered to top of WFA-N4x3.06 beneath each galvanized angle. Adhesives for shims shall be suitable for materials joined and full exposure conditions.
- ⑤ Galvanized steel L2" x 2" x 1/4", 3 1/2" long with continuous grating, 7" long at grating splice.
- ⑥ Details shown are considered equal alternatives to the Aluminum Walkway on Base Sheet OS-A-1 and may be substituted by Contractor at no change in contract cost.
- ⑦ 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- ⑧ Based on actual height of tallest sign given on OS-A-1.

ALUMINUM TRUSS GRATING

Structure Number	Station	A	Ⓑ B	C	Ⓑ D
9S0441057R042.3	47+75	5 1/2"	5'-0"	4'-6"	10'-0"
9S1001024L001.1	27+45	7"	3'-7.5"	5'-3"	9'-4.5"
9S1001024L001.5	118+50	5 1/2"	5'-0"	4'-6"	10'-0"

OS-A-10S

6-1-12

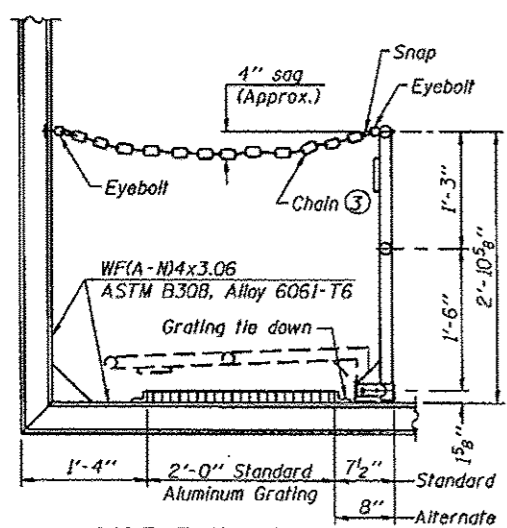
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	PLOT DATE = 2/28/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

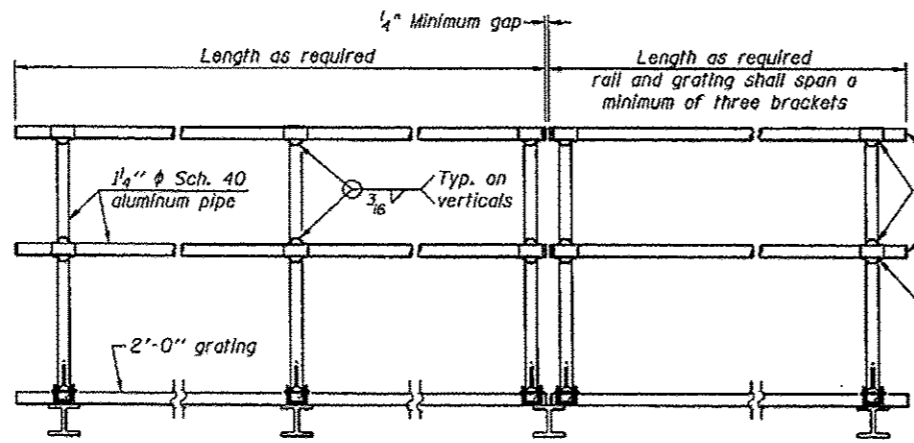
OVERHEAD SIGN STRUCTURES
ALTERNATE WALKWAY DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

*VARIOUS ROUTES			
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS
09 GVD SIN STR REPL13-11	VARIOUS	VARIOUS	29
CONTRACT NO. 46227			SHEET NO. 17
ILLINOIS FED. AID PROJECT			



SIDE ELEVATION
(Showing safety chain w/o sign)

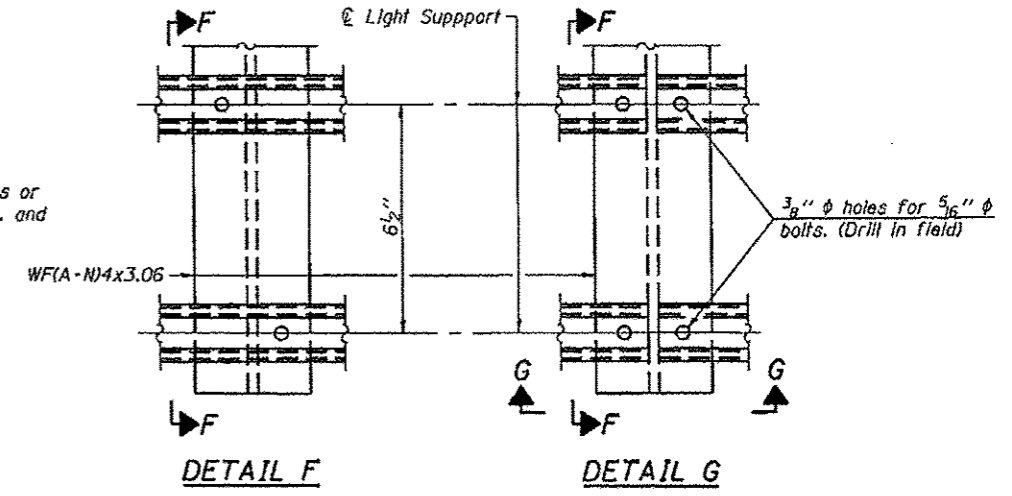


FRONT ELEVATION

HANDRAIL DETAILS

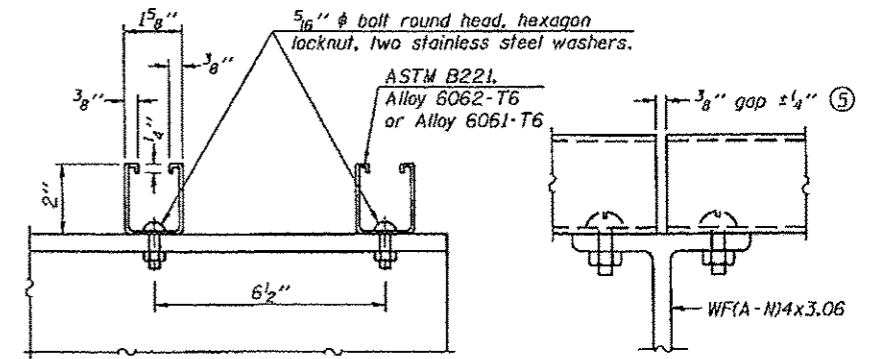
Handrail pipe shall be ASTM B241 or B429, Alloy 6063-T6 or Alloy 6061-T6.

- ① Install standard force-fit end caps or weld 1/8" end plates with 1/8" c.f.w. and grind smooth. (All rail ends)
- ② Horizontal handrail member shall be continuous thru fitting. Provide 7/16" diameter hole in fitting for 3/8" diameter bolt. Field drill 1/16" diameter hole in horizontal rail member. Provide locknut and two stainless steel washers for bolt. (Use 5/16" eyebolts in 7/16" holes on top rail at ends only.)



DETAIL F

DETAIL G

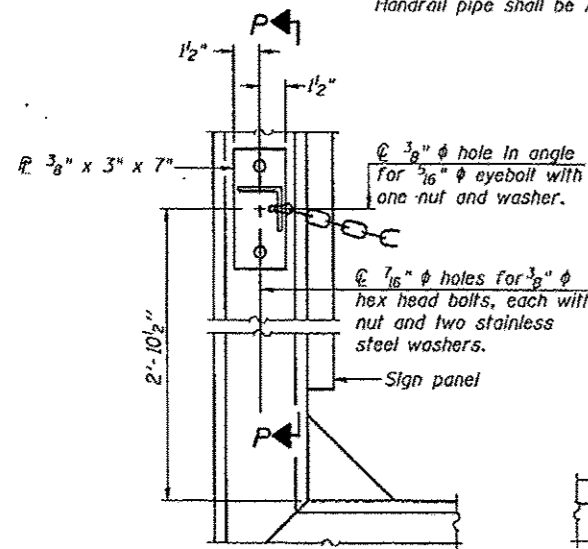


SECTION F-F

SECTION G-G

LIGHTING FIXTURE MOUNTS (IF REQUIRED)

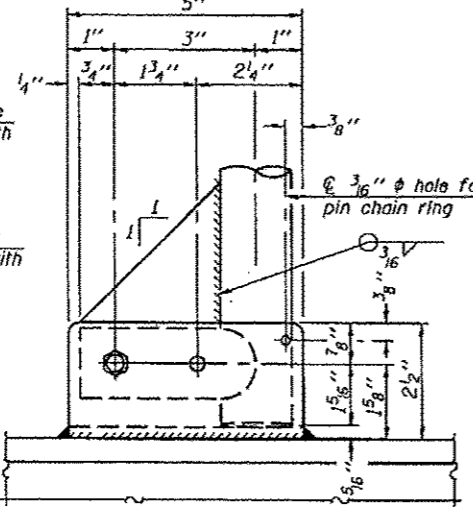
- ⑤ Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.



ALTERNATE SAFETY CHAIN ATTACHMENT

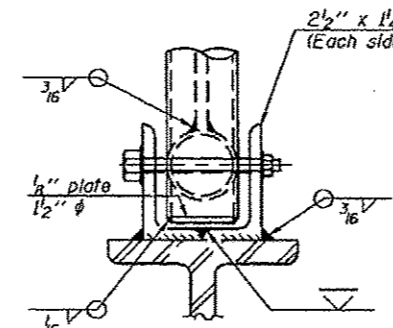
(With Sign Present)

Items not shown same as "Side Elevation" of "Handrail Details"



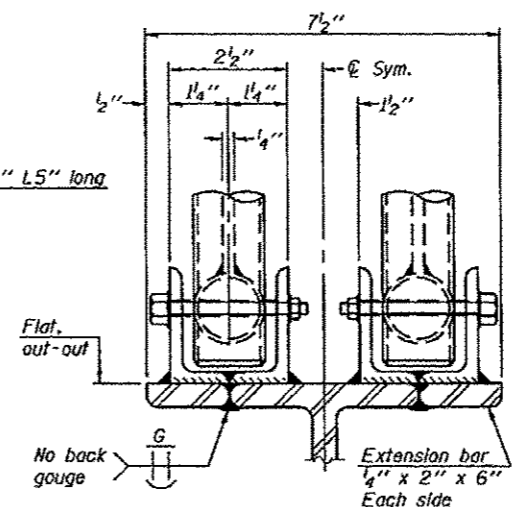
SIDE ELEVATION

**PLAN
DETAIL E HANDRAIL HINGE**

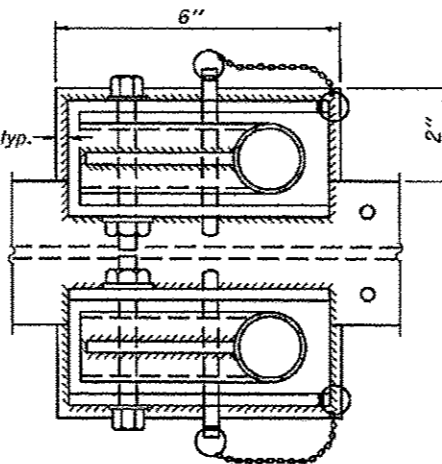


FRONT ELEVATION

See "Elevation" at right for dimensions.

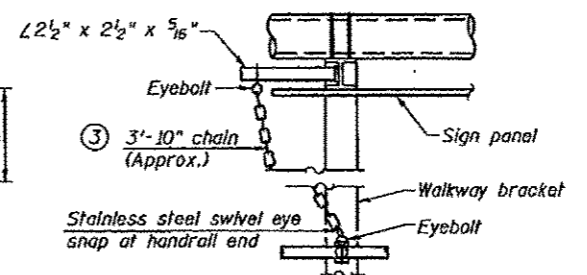


ELEVATION AT HANDRAIL JOINT ④



PLAN AT HANDRAIL JOINT

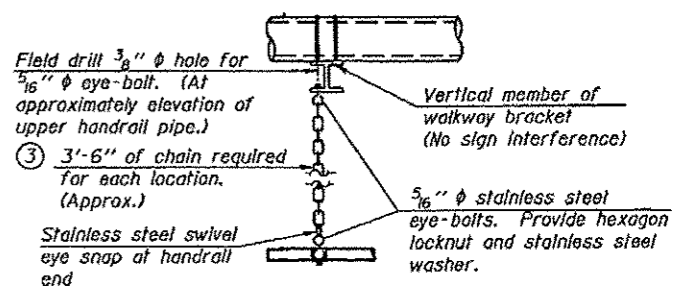
Details not shown same as "PLAN"



ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details (Walkway omitted for clarity)

- ③ 3/16" Type 304L stainless steel chain, approximately 12 links per foot.
- ④ Extrusions may be used in lieu of the details shown, with approval of the Engineer.



SAFETY CHAIN

One required for each end of each walkway.

OS-A-II

6-1-12

FILE NAME =	USER NAME = prstohetll	DESIGNED -	REVISED -
en:\pwork\pndot\prstohetll\0334884\	gn_structures\2012\shp\p.dgn	DRAWN -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALUMINUM HANDRAIL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

VARIOUS ROUTES				
F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09 OVD SIN STA REPL13-11	VARIOUS	29	18
			CONTRACT NO. 46227	
ILLINOIS FED. AID PROJECT				

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	—
#4 bar spiral (E) - see Side Elevation				

NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

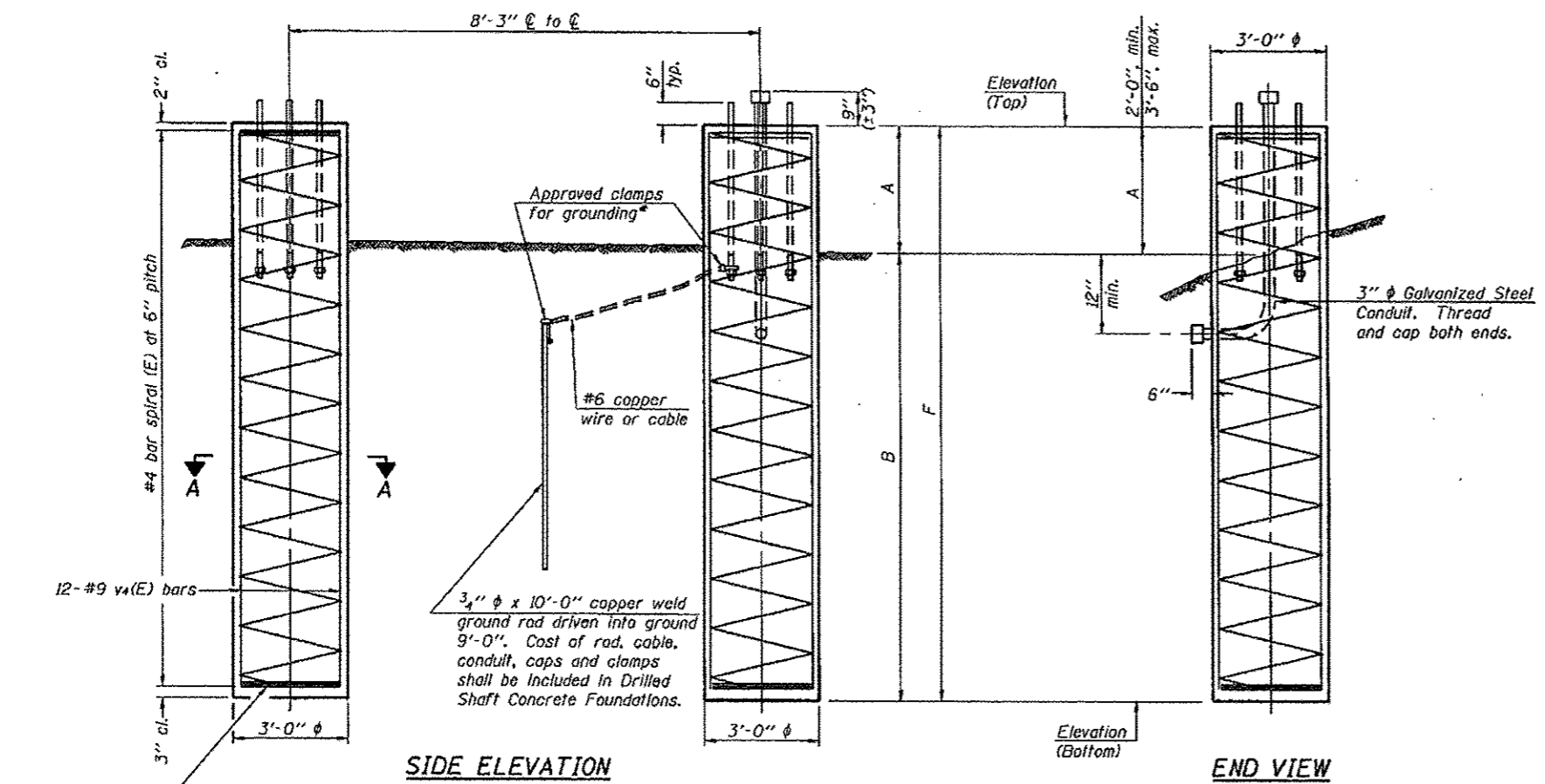
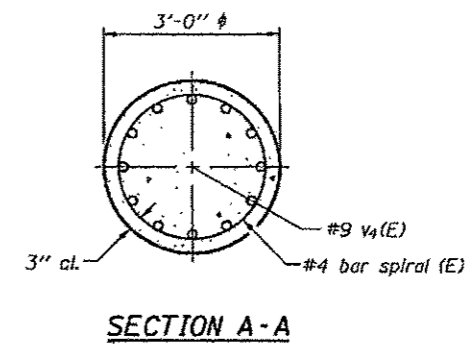
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

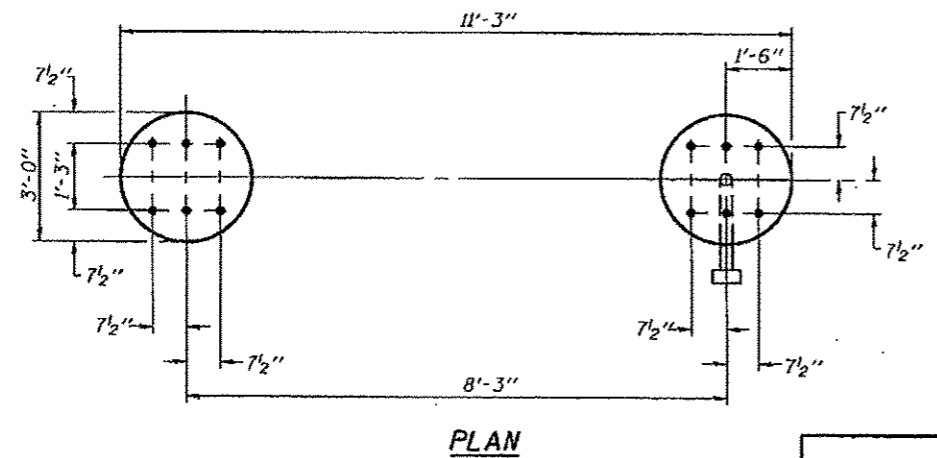
Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cast included in Drilled Shaft Concrete Foundation.



3 hoops minimum top and bottom



For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filled to bright metal at clamp and cable connection location.

**DETAILS FOR 10" Ø SUPPORT FRAME
TYPE I-A or II-A TRUSS**

Structure Number	Station	Elevation Top	Elevation Bottom	Left Foundation			Right Foundation			Class DS Concrete (Cu, Yds.)		
				A	B	F	Elevation Top	Elevation Bottom	A		B	F
9S044105TR042.3	47+75	659.86'	640.36'	3'	16.5'	19.5'	656.54'	636.54'	3.5'	16.5'	20.0'	20.7
9S1001024L001.1	27+45	657.47'	633.97'	3'	20.5'	23.5'	655.55'	632.05'	3'	20.5'	23.5'	24.6
9S1001024L001.5	118+50	644.31'	624.81'	3'	16.5'	19.5'	641.27'	621.27'	3.5'	16.5'	20.0'	20.7

OS4-F3

6-1-12



12.0" Radius, 2.0" Border, White on Green;
 "EXIT 44" E Mod 2K;
 12.0" Radius, 2.0" Border, White on Green;
 "E AST" E Mod 2K; "Nashville" ClearviewHwy-5-W; "1 MILE" E Mod 2K;
 Table of letter and object lefts.

E	X	I	T	4	4			
58.7	67.5	78.3	82.1	104.6	121.1			
26.3	74.3	89.4	103.3	114.8				
N	a	s	h	v	i	l	e	
14.4	32.9	48.6	84.0	79.2	95.2	104.7	114.6	123.8
1	M	I	L	E				
48.6	88.1	80.2	85.0	94.0				

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGN DETAILS
 9S0441057R042.3

SCALE: SHEET OF SHEETS STA. TO STA.

*VARIOUS ROUTES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 09 OVD SIN STR REPL13-11		VARIOUS	29	21
CONTRACT NO. 46227			ILLINOIS FED. AID PROJECT	



12.0" Radius, 2.0" Border, White on Green;
 "EXIT 44B" E Mod 2K;
 12.0" Radius, 2.0" Border, White on Green;
 "N ORTH" E Mod 2K; "Chicago" ClearviewHwy-5-W;
 Table of letter and object lefts.

E	X	I	T	4	4	B
30.4	39.2	50.0	53.8	76.2	92.7	110.8
Ⓢ	N	O	R	T	H	
14.5	62.5	78.7	91.7	102.7	113.7	
C	H	I	C	A	G	O
17.1	35.0	51.8	60.6	75.1	91.5	108.5



12.0" Radius, 2.0" Border, White on Green;
 "EXIT 44A" E Mod 2K;
 12.0" Radius, 2.0" Border, White on Green;
 "S OUTH" E Mod 2K; "Memphis" ClearviewHwy-5-W; Arrow 160 - 35.0° 45°;
 Table of letter and object lefts.

E	X	I	T	4	4	A
70.9	79.7	90.5	94.3	116.7	133.2	149.9
Ⓢ	S	O	U	T	H	↗
20.4	68.4	84.5	97.5	109.4	120.4	140.2
M	e	m	p	h	i	s
18.3	38.6	55.8	79.9	96.9	113.8	122.0

FILE NAME *	USER NAME * prishost1	DESIGNED -	REVISED -
as\work\p\ps\dos\prshost1\10334584\	gn structure2013-ah1.pln.dgn	DRAWN -	REVISED -
Default	PLOT SCALE * 1/8"=1'-0"	CHECKED -	REVISED -
	PLOT DATE * 2/20/2013	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGN DETAILS
 9S1001024L001.1

SCALE: SHEET OF SHEETS STA. TO STA.

*VARIOUS ROUTES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09	09 OVD SIM STR REPL13-11	VARIOUS	29	22
CONTRACT NO. 46227			ILLINOIS FED. AID PROJECT	



12.0" Radius, 2.0" Border, White on Green;
 "EXIT 44B" E Mod 2K;
 12.0" Radius, 2.0" Border, White on Green;
 "N ORTH" E Mod 2K; "Chicago" ClearviewHwy-5-W; "AHEAD" E Mod 2K;
 Table of letter and object lefts.

E	X	I	T	4	4	B
30.4	39.2	50.0	53.8	76.2	92.7	110.8
●	N	O	R	T	H	
14.5	62.5	78.7	91.7	102.7	113.7	
C	h	i	c	a	g	o
17.1	35.0	51.8	60.6	75.1	91.5	108.5
A	H	E	A	D		
38.2	52.5	65.6	75.8	90.1		



12.0" Radius, 2.0" Border, White on Green;
 "EXIT 44A" E Mod 2K;
 12.0" Radius, 2.0" Border, White on Green;
 "S OUTH" E Mod 2K; "Memphis" ClearviewHwy-5-W; "NEXT RIGHT" E Mod 2K;
 Table of letter and object lefts.

E	X	I	T	4	4	A		
34.9	43.7	54.5	58.3	80.7	97.2	113.8		
●	S	O	U	T	H			
17.1	65.1	81.3	94.2	106.1	117.2			
M	e	m	p	h	i	s		
15.1	35.4	52.6	76.7	93.7	110.5	118.7		
N	E	X	T	R	I	G	H	T
18.4	31.5	42.1	53.8	74.7	86.9	92.2	104.8	116.7

FILE NAME *	USER NAME = pritchettl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN DETAILS 9S1001024L001.5	*VARIOUS ROUTES				
o:\pwork\pando\pritchettl\0334584	gn structure2013-ahs-plndgn	DRAWN -	REVISED -			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -			* D9 OVD SIN STR REPL13-11	VARIOUS	29	23	
	PLOT DATE = 2/28/2013	DATE -	REVISED -			CONTRACT NO. 46227	[ILLINOIS] FED. AID PROJECT			
				SCALE:	SHEET OF SHEETS	STA.	TO STA.			

ILLINOIS DEPARTMENT OF TRANSPORTATION
 District Nine Materials
 Overhead Sign Truss Over I 24 (WB Driving Shoulder)
 Route: I 24 Structure Number: Truss # 9S064I024L037.7 Date: 9/11/2012
 Section WBL Bored By: R Moberly
 County: Massac Location: WB I24/US 45 Checked By: R Graeff
 Bridge Foundation Boring Log Sheet 1 of 1

Boring No 2-ST Station 365+81 Offset 62' Lt CL WBL Ground Surface 99.0Ft	D E P T H	B L O W S	Qu tsf	W%	Surf Wat Elev: Ground Water Elevation when Drilling 79.5 At Completion At: Hrs:	D E P T H	B L O W S	Qu tsf	W%
Hard, damp, brown, Silt Loam to Silty Clay Loam A-4					Very dense, wet, brown, Sand and Gravel				
								30	
								34	
		3						18	
		8	5.2S	14				24	
		7						29	
					70.5				
94.5									
Stiff, moist, grey mottled brown, Silty Clay A-6	5.0	1			Bottom of hole = 28.5 Feet	30.0			
		3	1.5S	21					
		4			Free water observed at 19.5 Feet				
92.0					Elevation referenced to top of existing shoulder foundation; Assumed elevation = 100.0 feet				
Very stiff, moist, brown, Clay A7-6		2							
		3	3.1S	19					
		6							
					Borehole advanced with hollow stem auger (8" O.D., 3.25" I.D.)				
89.5									
Stiff, moist, grey and brown, Silty Clay A-6	10.0	2			To convert "N" values to "N60" multiply by 1.25	35.0			
		5	1.6B	17					
		7							
87.0									
Stiff to medium, moist, brown, Sandy Clay Loam A-4		2							
		6	1.1S	16					
		7							
15.0		2				40.0			
		6	0.9S	15					
		7							
82.0									
Soft, very moist, brown, Sand Loam to Sandy Clay Loam A-4		1							
		3	0.3S	22					
		6							
79.5									
Dense, wet, brown, Sand and Gravel	20.0	7				45.0			
		15							
		16							
					Washed 1'				
		8							
		17							
		20							
74.5									
	26.0	20				50.0			

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall, B-Bulge S-Shear E-Estimated P-Penetrometer)

ILLINOIS DEPARTMENT OF TRANSPORTATION
 District Nine Materials
 Overhead Sign Truss Over I 24 (Median)
 Route: I 24 Structure Number: Truss # 9S064I024L037.7 Date: 9/11/2012
 Section WBL Bored By: R Moberly
 County: Massac Location: WB I24/US 45 Checked By: R Graeff
 Bridge Foundation Boring Log Sheet 1 of 1

Boring No 1-ST Station 365+82 Offset 43' Rt CL WBL Ground Surface 97.3Ft	D E P T H	B L O W S	Qu tsf	W%	Surf Wat Elev: Ground Water Elevation when Drilling 78.8 At Completion At: Hrs:	D E P T H	B L O W S	Qu tsf	W%
Very stiff, moist, brown, Silty Clay A-6					Dense, wet, brown, Sand and Gravel				
								10	
								15	
		3						13	
		5	3.9S	17				19	
		6						21	
92.8									
Medium to stiff, moist, grey and brown, Silt Loam to Silty Clay Loam A-4	5.0	1				30.0		18	
		3	1.0S	19				19	
		3				66.3		20	
90.3					Bottom of hole = 31.0 Feet				
Very stiff, moist, brown mottled grey, Clay A7-6		2							
		6	3.1B	19					
		8			Free water observed at 18.5 Feet				
87.8					Elevation referenced to top of existing median foundation; Assumed elevation = 100.0 feet				
Very stiff, moist, brown and grey, Clay to Clay Loam A7-6	10.0	1				35.0			
		5	2.3B	17					
		6			Borehole advanced with hollow stem auger (8" O.D., 3.25" I.D.)				
					To convert "N" values to "N60" multiply by 1.25				
85.3									
Medium, moist, brown and grey, Sand Loam to Sandy Clay Loam A-4		3							
		7	0.6S	15					
		9							
82.8									
Soft, very moist, brown, Sand Loam A-4	15.0	2				40.0			
		6	0.3S	15					
		8							
80.3									
Soft, very moist, brown, Sandy Clay Loam A-4		1							
		1	0.3B	22					
		2							
77.8									
Dense, wet, brown, Sand and Gravel	20.0	5				45.0			
		14							
		18							
					32% Sand; 4% Silt 2% Clay; 62% Gravel				
75.3									
Medium, wet, brown, Sand and Gravel		6							
		10							
		14							
72.8									
	25.0	8				50.0			

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fall, B-Bulge S-Shear E-Estimated P-Penetrometer)

FILE NAME *	USER NAME * pritchett11	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING 9S064I024L037.7			F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ar\ps_wrk\pilot\pritchett11\0334584\	gn structure2913-eh1-pln.dgn	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	VARIOUS ROUTES	25	25
	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED -								D9 DVD SIN STR REPL13-11		
Default	PLOT DATE = 2/20/2013	DATE -	REVISED -								CONTRACT NO. 46227		

ILLINOIS FED. AID PROJECT

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log

Overhead Sign Truss Over I 24 (Median)

Sheet 1 of 1

Route: I 24 Structure Number: Truss # 9S100I024L001.1

Date: 9/6/2012

Section WBL

Bored By: R Moberly

County: Williamson Location: WB I24 E of I57

Checked By: R Graeff

Boring No 1-ST Station 27+90 Offset 45' LT CL WBL Ground Surface 97.0Ft	DEPTH H	BLOW S	Qu tsf	W%	Surf Wat Elev:		DEPTH H	BLOW S	Qu tsf	W%
					At:	Hrs:				
Hard, damp, brown, Silty Clay Loam A-8										
		6								
		11	5.2S	9						
		11								
92.5										
Stiff, moist, brown, Clay to Silty Clay A7-6	5.0	3			30.0					
		6	1.9B	22						
		6								
		2								
		4	1.6B	19						
		6								
87.5										
Very stiff, moist, brown, Clay A7-6	10.0	3			35.0					
		6	3.7B	19						
		8								
85.0										
Very dense, dry, brown, Sandstone		100/2"								
82.0	15.0	100/1"			40.0					
Bottom of hole = 14.6 feet										
No free water observed										
Elevation referenced to top of existing median foundation; Assumed elevation = 100.0 feet	20.0				45.0					
Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)										
To convert "N" values to "N60" multiply by 1.25										
25.0					50.0					

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log

Overhead Sign Truss Over I 24 (Driving Shoulder)

Sheet 1 of 1

Route: I 24 Structure Number: Truss # 9S100I024L001.1

Date: 9/6/2012

Section WBL

Bored By: R Moberly

County: Williamson Location: WB I24 E of I57

Checked By: R Graeff

Boring No 2-ST Station 27+91 Offset 51' Rt CL WBL Ground Surface 96.5Ft	DEPTH H	BLOW S	Qu tsf	W%	Surf Wat Elev:		DEPTH H	BLOW S	Qu tsf	W%
					At:	Hrs:				
Stiff, moist, brown mottled grey, Silty Clay A-6										
		1								
		2	1.5B	24						
		4								
		5.0	2		30.0					
		4	1.6B	20						
		6								
89.5										
Very stiff, moist, brown, Clay A7-6		2								
		4	3.3B	19						
		6								
86.5	10.0	6			35.0					
Very dense, damp, brown, Sandstone with Clay Shale layers		100/9"								
84.5										
Very dense, dry, brown, Sandstone		100/2"								
81.5	15.0	100/1"			40.0					
Bottom of hole = 14.6 Feet										
Free water observed at 12.5 ft.										
Elevation referenced to top of existing shoulder foundation; Assumed elevation = 100.0 feet	20.0				45.0					
Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)										
To convert "N" values to "N60" multiply by 1.25										
25.0					50.0					

N-Std Penetr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

FILE NAME =	USER NAME = prstohattl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING 9S100I024L001.1	SCALE:	SHEET OF SHEETS STA. TO STA.	*VARIOUS ROUTES				
or \pvt\work\pndot\prstohattl\10334584\	signature\prstohattl\10334584\	DRAWN -	REVISED -					F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -					* 09 OVD SIN STR REPL13-11	VARIOUS	29	28	
Default	PLDT DATE = 2/28/2013	DATE -	REVISED -					CONTRACT NO. 46227				

ILLINOIS FED. AID PROJECT

