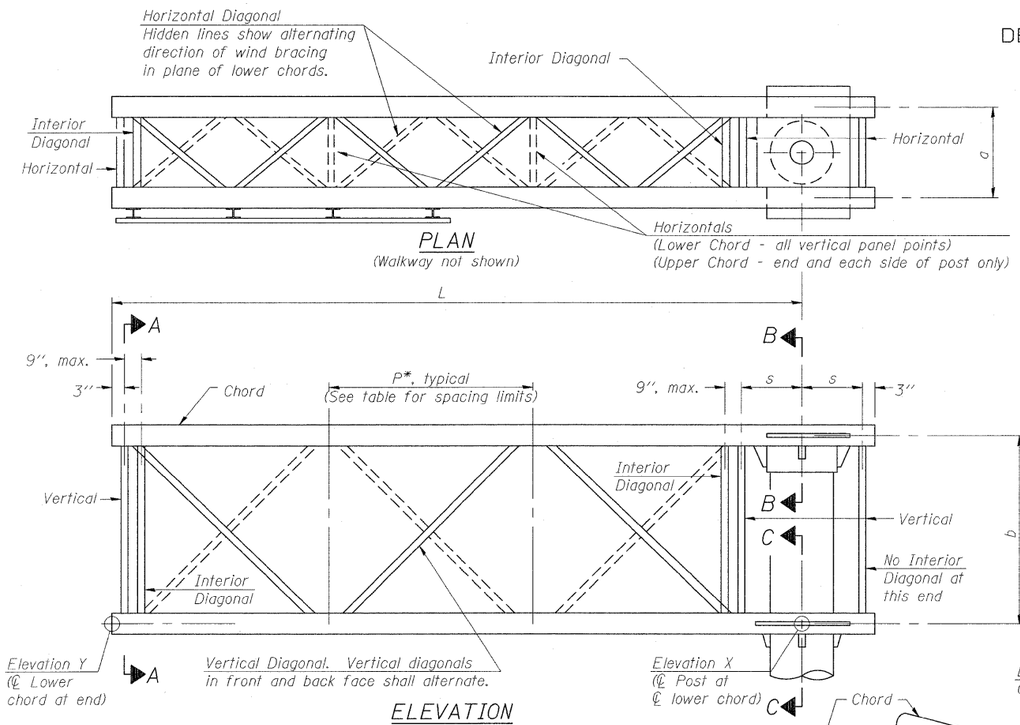
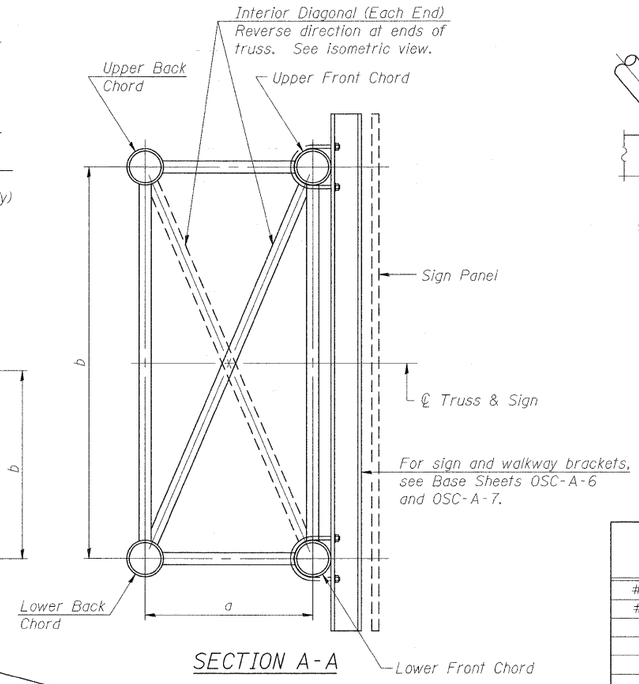
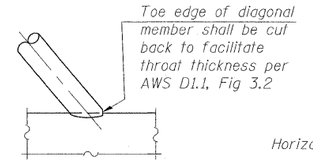
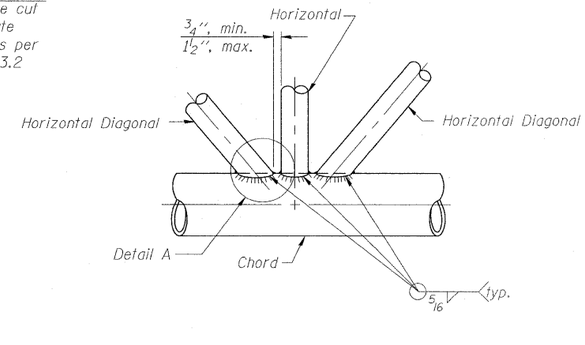
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

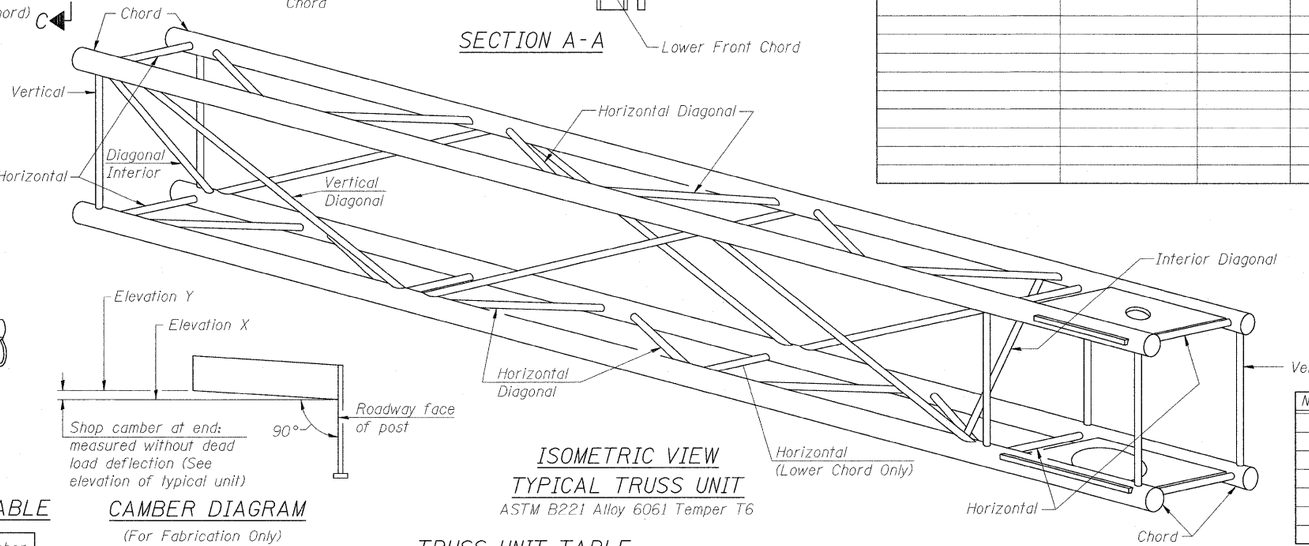








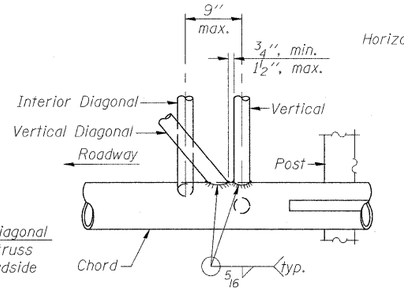
Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
#7C058UB51L017.13	1152+86	III-C-A	35'-10"	7	4'-10"
#7C058UB51R017.11	1156+75	III-C-A	35'-10"	7	4'-10"

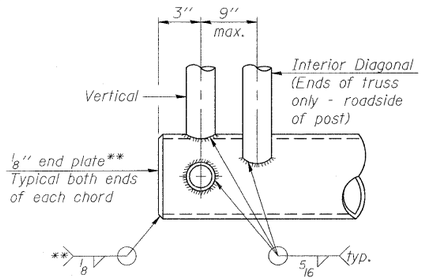


TYPICAL TRUSS UNIT

For Section B-B and Section C-C, see Base Sheet OSC-A-3.

Note:
There are twice as many horizontal diagonals as there are vertical diagonals.





** Contractor may alternatively use standard aluminum drive-fit cap to close ends.

SHOP CAMBER TABLE

Unit Length (L)	Shop Camber at End
15'	1 1/2"
16'-17'	1 3/4"
18'-20'	2"
21'-22'	2 1/4"
23'-25'	2 1/2"
26'-27'	2 3/4"
28'-30'	3"
31'-32'	3 1/4"
33'-35'	3 1/2"
36'-37'	4"
38'-40'	4 1/2"

TRUSS UNIT TABLE

Truss Type	Dimension "a"	Dimension "b"	Dimension "s"	Limits for Panel Spacing (P)*	Up. & Low. Chord O.D.	Up. & Low. Chord Wall	Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals O.D.	Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals Wall
I-C-A	24"	54"	16"	36" min. to 48" max.	5"	5/16"	2 1/2"	5/16"
II-C-A	36"	66"	21"	42" min. to 54" max.	6 1/2"	5/16"	3 1/4"	5/16"
III-C-A (35' Max.)	36"	84"	21"	48" min. to 66" max.	7"	3/8"	3 1/2"	3/8"
III-C-A (>35' to 40')	36"	84"	21"	48" min. to 66" max.	8"	3/8"	3 1/2"	3/8"

*P = (L - s - 3") / # Panels

NUMBER	REVISION	DATE

DESIGNED	MJJ
CHECKED	JTH
DRAWN	MJJ
CHECKED	JTH/ALN

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

OSC-A-2 12-1-08

CANTILEVER SIGN STRUCTURES
TRUSS DETAILS
ALUMINUM TRUSS & STEEL POST

THOUVENOT, WADE & MOERCHEN, INC.
CORPORATE OFFICE
4940 Old Collinsville Road
Swansea, Illinois 62226
Tel: 618.624.4488
Fax: 618.624.6688
SWANSEA • WATERLOO • EDWARDSVILLE • CARBONDALE • ST. CHARLES
TWM ENGINEERS ◆ SURVEYORS ◆ PLANNERS

SHEET NO. 7	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15 SHEETS	322	(58-64HB-1)B-1	MACON	149	102
		US ROUTE 51	CONTRACT NO. 74387		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Plotted by: mjoost 3/12/2010 4:28:54 PM
P:\080276\US 51over I-72\4-CADD\4.2-TR\SHEETS\D774387-sht-sign-007.dgn