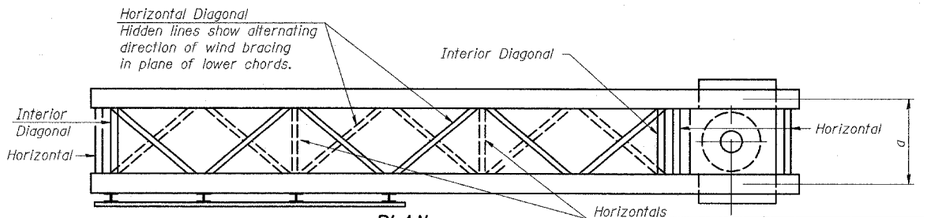
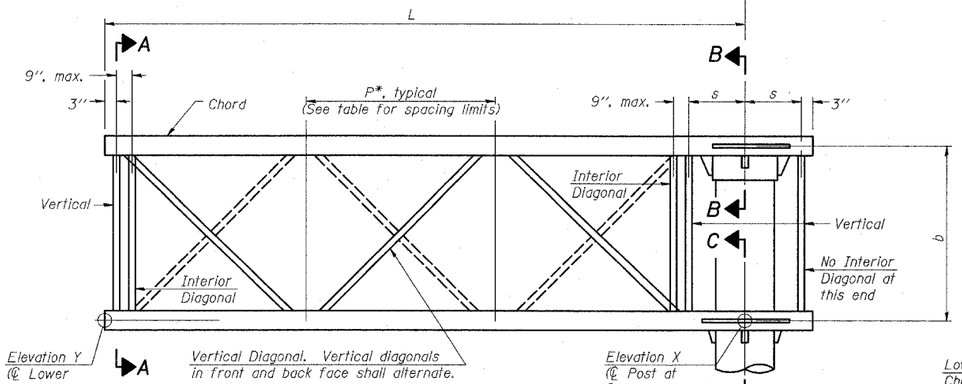
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	•	LAKE	469	12
STA.	TO STA.			
FED. ROAD DIST. NO. 9-91-404-99	ILLINOIS	FED. AID PROJ.		
• 125X-HB-(1&2) R-1	CONTRACT # 60			

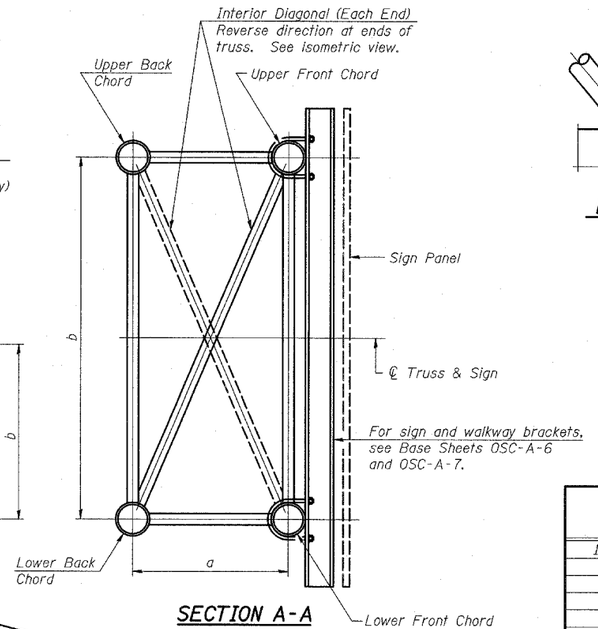
PLAN — SURVEYED — DRAWN — PLOTTED — CHECKED — QUANTITIES — CHECKED — RT. OF WAY — CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE



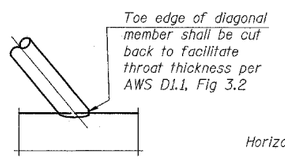
PLAN
(Walkway not shown)



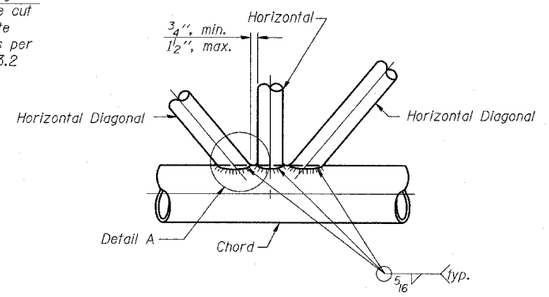
ELEVATION
(Sign and walkway omitted for clarity)



SECTION A-A



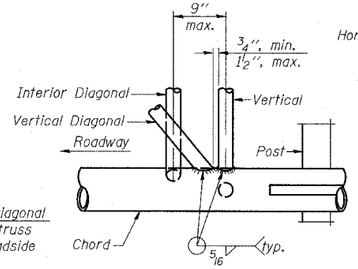
DETAIL A



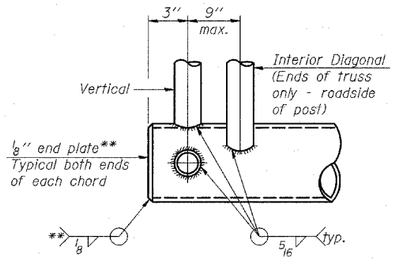
TRUSS INTERIOR JOINT DETAIL

Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
1C049U041R---.-	543+93.18	I-C-A	20.75'	5	3.83'

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



POST END JOINT DETAIL

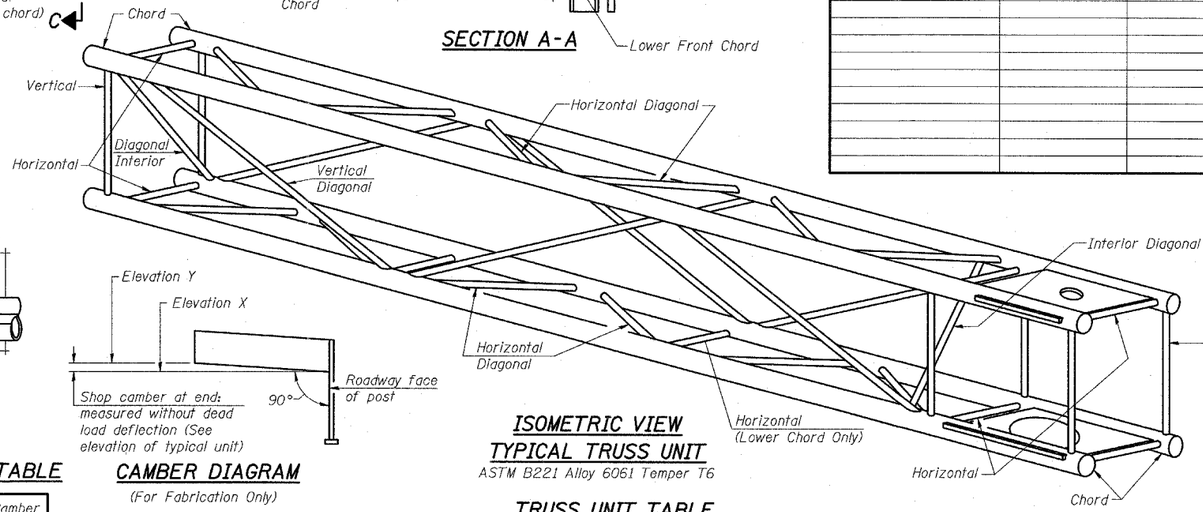


CANTILEVER END JOINT DETAIL
** Contractor may alternatively use standard aluminum drive-fit cap to close ends.

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"

CAMBER DIAGRAM
(For Fabrication Only)



ISOMETRIC VIEW
TYPICAL TRUSS UNIT
ASTM B221 Alloy 6061 Temper T6

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

PROFILE — SURVEYED — PLOTTED — DRAWN — CHECKED — QUANTITIES — CHECKED — BM. NOTED — STRUCTURE NO. — NOTE BOOK — NO. — BY — DATE

NUMBER	REVISION	DATE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
U.S. 41 (SKOKIE HIGHWAY)
AT IL ROUTE 132

CANTILEVER SIGN STRUCTURES
TRUSS DETAILS
ALUMINUM TRUSS & STEEL POST

SCALE: N.T.S. DRAWN BY: JF, AF

DATE: MAY 12, 2008 CHECKED BY: MAF

OSC-A-2 6/01/2007