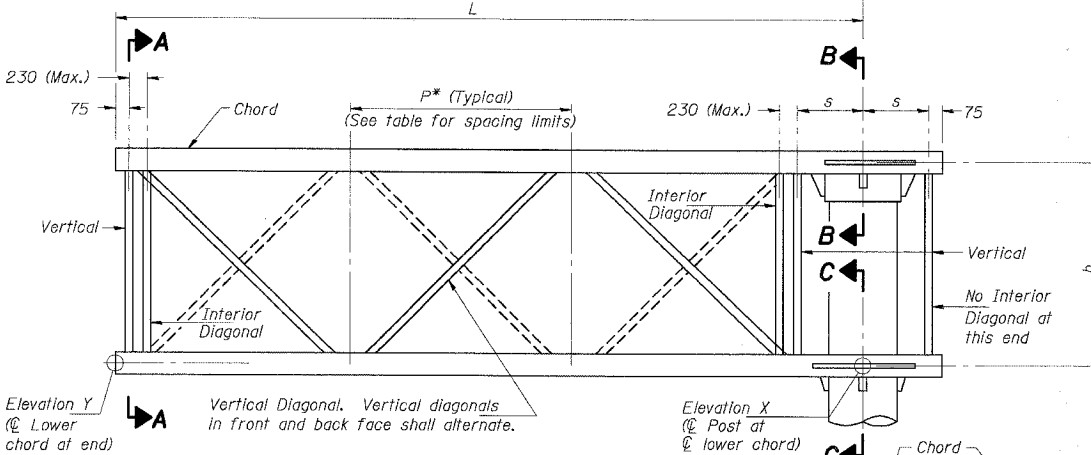
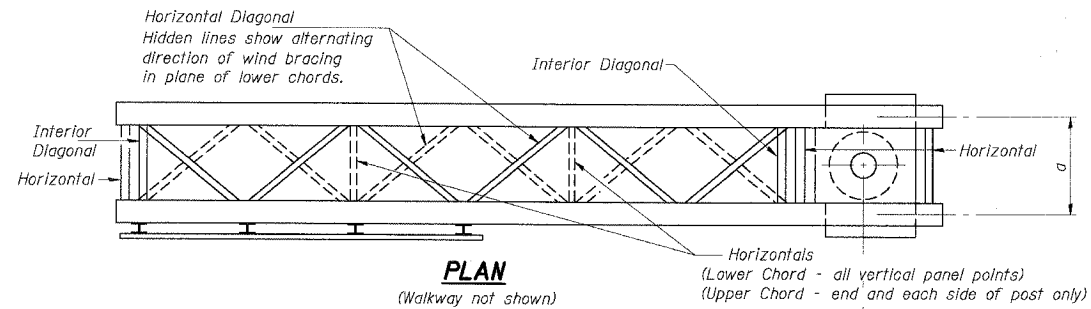


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94	*	COOK	631	328
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (2425 & 2626) R-2		CONTRACT NO. 62111		

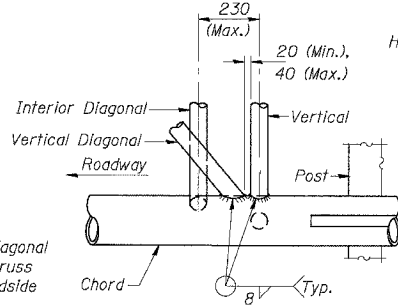


**ELEVATION**  
(Sign and walkway omitted for clarity)

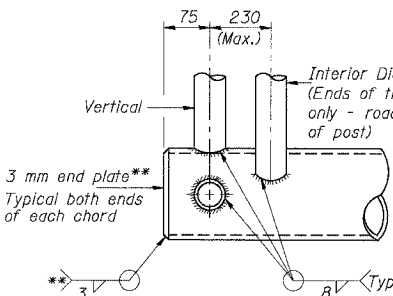
**TYPICAL TRUSS UNIT**

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.



**POST END JOINT DETAIL**



**CANTILEVER END JOINT DETAIL**

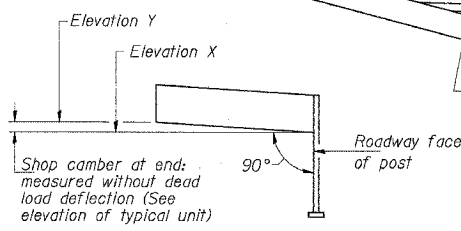
\*\*Contractor may alternatively use standard aluminum drive-fit cap to close ends.

**SHOP CAMBER TABLE**

Unit Length (L)	Shop Camber at End
4.6	40
4.9-5.2	45
5.5-6.1	50
6.4-6.7	60
7.0-7.6	65
7.9-8.2	70
8.5-9.1	76
9.5-9.8	83
10.1-10.7	90
10.8-11.5	102
11.6-12.2	114

**CAMBER DIAGRAM**

(For Fabrication Only)



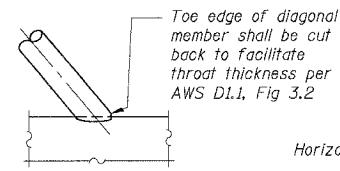
**SECTION A-A**

**TYPICAL TRUSS UNIT**  
ASTM B221 Alloy 6061 Temper T6

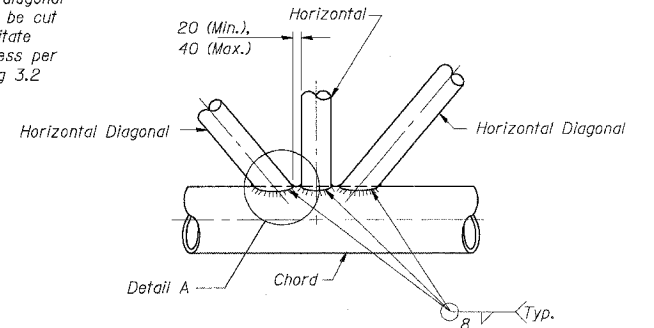
**TRUSS UNIT TABLE**

Truss Type	Dimension "a"	Dimension "b" (m)	Dimension "s"	Limits for Panel Spacing (P)* (m)	Up. & Low. Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	
					O.D.	Wall	O.D.	Wall
I-C-A	610	1.37	405	0.915 Min. to 1.22 Max.	127	8	64	8
II-C-A	915	1.68	535	1.07 Min. to 1.37 Max.	165	8	83	8
III-C-A (10.7 Max.)	915	2.13	535	1.22 Min. to 1.68 Max.	178	10	89	10
III-C-A (>10.7 to 12.2)	915	2.13	535	1.22 Min. to 1.68 Max.	203	10	89	10

\*P =  $\frac{L-s-75}{\# \text{ Panels}}$



**DETAIL A**



**TRUSS INTERIOR JOINT DETAILS**

All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a 20 mm minimum to 40 mm maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.

Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
1C0161080L162.1	5+658.000	III-C-A	9.15 m	7	1.22 m
1C0161080L162.3	6+100.000	II-C-A	8.41 m	6	1.30 m

OSC-A-2(M) 11/1/2002  
 7-12-2005, 1023452  
 12-3-04 56 78 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63  
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 11/1/2002 12:25:26 272829 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

13 of 23

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)  
 EB & WB INSIDE LANES (MAINLINE) CONSTRUCTION  
 COOK COUNTY

**CANTILEVER SIGN STRUCTURES TRUSS DETAILS ALUMINUM TRUSS & STEEL POST**

SCALE: DATE: 7/18/2005  
 DRAWN BY: NK  
 CHECKED BY: VCP

**TENG** TENG & ASSOCIATES, INC.  
 ENGINEERS/ARCHITECTS/PLANNERS  
 CHICAGO, ILLINOIS

REVISIONS	
NAME	DATE