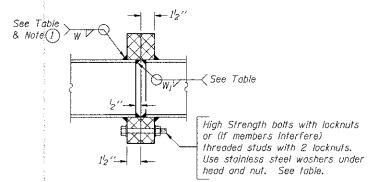
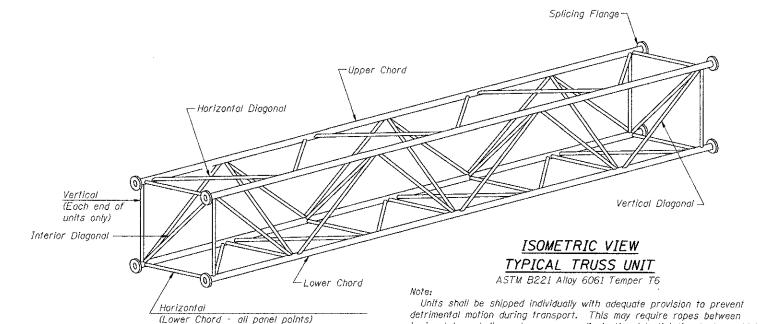
TRUSS UNIT TABLE

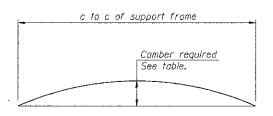
Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals			Splicing Flange				
			No. Panels per Unit	Unit Lgth.(L _e)	Panel Lgth.(P)		No. Panels per Unit	Unit Lgth.(L _l)	Panel Lgth.(P)	0.D.	Wall	0.D.	Wall	Midsnan	Bolt No./Splice		Weld Sizes W W ₁	A	В
8S082I070R001 . 5	147+60	III-A	6	32'-9"	5'-1 ³ 4"	2	6	32'-1 ₂ "	5'-134"	7"	38"	31/4"	5 ₁₆ "	3,65"	8	1"	9,6" 7,6"	111/2"	1'-3"
8S082I070R002.2	188+00	I-A	7	36′-3½"	4'-11"	0	-	-	-	5"	⁵ 16 "	2'2"	5/6"	1.8"	6	78"	5,6" 14"	834"	1134"
	1	ļ																	
																		ļ	
		<u> </u>														<u> </u>			
	2						,					<u></u>			1				
	5													ļ	<u> </u>				



SECTION B-B

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 tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.



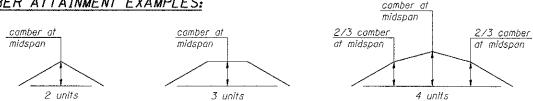


(Upper Chord - each end of each unit only)

CAMBER DIAGRAM

Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)

0S4-A-2

6-1-12 FILE NAME USER NAME = \$USER\$ DESIGNED MDJ REVISED \$FILEL\$ DRAWN MDJ REVISED PLOT SCALE = \$SCALE\$ CHECKED JI R REVISED -TEND 15MG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNER CHICAGO, ILL INDIS PLOT DATE = *DATE* DATE 06/29/12 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 1-70 CONNECTION

OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS DETAILS FOR TRUSS TYPES I-A, II-A AND III-A SHEET NO. 3 OF 14 SHEETS STA. TO STA.

horizontals and diagonals or energy dissipating (elastic) ties to the vehicle.

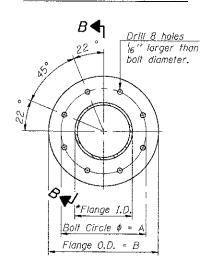
The Contractor is responsible for maintaining the configuration and

protection of the units.

COUNTY TOTAL SHEET SHEET NO.
ST. CLAIR 294 182 SECTION 998 82-1R CONTRACT NO. 76C43 FED. ROAD DEST, NO. ILLINOIS FED. AID PROJECT

Drill 6 holes 16" larger than B◀ bolt diameter. *Flange I.D.

TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A

SPLICING FLANGES

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