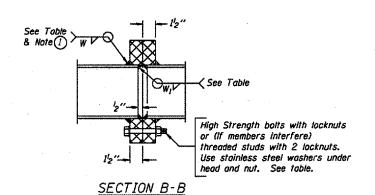
TRUSS UNIT TABLE

Structure		Design	Exte	rior Units	(2)		Interio	r Unit			& Lower ord		rontals; Vertical,	Camber			Splicing	Flange		
Number	Station	Truss Type	No. Panels		Panel	No.	No. Panels	Unit	Panel		UI U	HOI IZOINAI, ANA 1	Interior Diagonals	Midspan	Bolt	5	Weld	Sizes	Α	В
		1,700	per Unit	Lgth.(Le)	Lgth.(P)	Req'd.	per Unit	Lgth.(Li)	Lgth.(P)	O.D.	Wall	0.D.	Wall	and Optin	No./Splice	Dia.	W	W;	^	
7S058I072RI37.I	674 + 00	I - A	6	30'-4 1/2"	4'-9"	1	6	29'-9"	4'-9"	5*	5/16"	2 1/2"	5/16*	2 3/4"	6	7/8*	5/16*	1/4"	8 3/4"	11 3/4"
7\$0581072R138.1	727 + 00	II - A	7	38'-5 3/4'	5'-2 3/4"	1	6	32'-7 1/2'	5'-2 3/4"	6 1/2"	5/16*	3"	5/16*	3 1/2"	6	<u>i*</u>	3/8"	1/4"	II*	14 1/2
7S058U051R000.41	763 + 00	I - A	7	33'-11 1/2'	4'-7"	1	6	28'-9"	4'-7"	5 1/2"	5/16"	2 1/2"	5/16*	3*	6	7/8"	3/8"	1/4*	9 1/4"	12 1/4"
		 																		
		 															-			



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 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.

NUMBER	REVISION	DATE
ļ		
 		

DESIGNED -	•	20
CHECKED -	EXAMINED	
DRAWN -	PASSED	GINEER OF BRIDGE DESIGN
CHECKED -	EMISHMEER OF	BRIDGES AND STRUCTURES
054-A-2	7/01/2006	

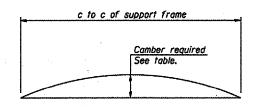
Splicing Flange -Upper Chord -- Horizontal Diagonal Vertical (Each end of Vertical Diagona units only) Interior Diagonal ISOMÈTRIC VIEW TYPICAL TRUSS UNIT ASTM B221 Alloy 6061 Temper T6 -Lower Chord Units shall be shipped individually with adequate provision to prevent

detrimental motion during transport. This may require ropes between

The Contractor is responsible for maintaining the configuration and

protection of the units.

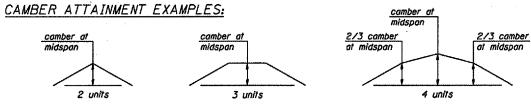
horizontals and diagonals or energy dissipating (elastic) ties to the vehicle.



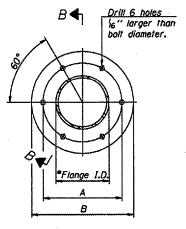
(Upper Chord - each end of each unit only)

(Lower Chord - all panel points)

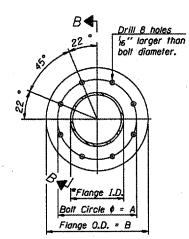
CAMBER DIAGRAM Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.



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



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".

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

> District 7 Overhead Sign Structure Replacement