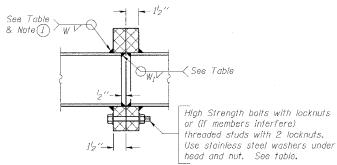
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRUSS UNIT TABLE

Structure		Design Truss	Exterior Units (2)		Interior Unit			Upper & Lower Chord	Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	Camber at	Splicing Flange									
Number	Station	Type	No. Panels per Unit	Unit Lgth.(Le)	Panel Lgth.(P)		No. Panels per Unit	Unit Lgth.(L;)	Panel Lgth.(P)		Wall	0.D.	Wall	Midspan .	Bolts No./Splice	Dia.	Weld W	Sizes Wı	А	В
1S0161094R058.3	3444+50.00	I - A	6	29'-412"	4'-7"	1	6	28′-9"	4'-7"	5"	5 ₁₆ "	212"	⁵ /6 "	2.6"	6	78"	5 ₁₆ "	4"	8 ³ 4"	11 ³ 4"
1S0161094R058.1	3453+00.00	I - A	7	36'-3 ¹ 2"	4'-11"	0				5"	⁵ 16 "	212"	⁵ 16 "	1.8"	6	⁷ 8"	⁵ 16 "	4"	8 ³ 4"	11 ³ 4"
							A****											-		
A THE PROPERTY OF THE PROPERTY							many m													
		-	****																	



SECTION B-B

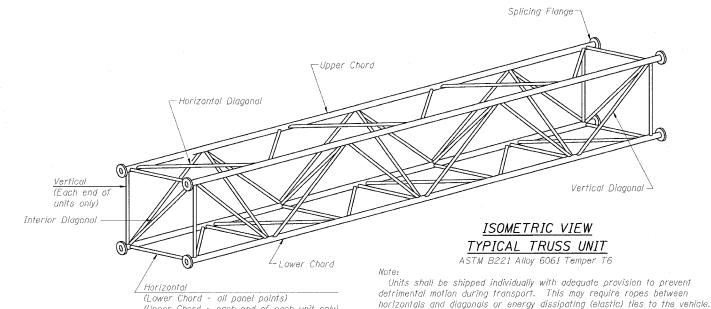
(1) Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.

NUMBER	REVISION	DATE
	· · · · · · · · · · · · · · · · · · ·	

DESIGNED	_	JSS		-	20
CHECKED	-	MJP	EXAMINE	ED	
DRAWN	-	JSS	PASSED	ENGINEER OF S	TRUCTURAL SERVICES
CHECKED	_	MJP		ENGINEER OF BRID	GES AND STRUCTURES

1-7-05

0S4-A-2



The Contractor is responsible for maintaining the configuration and

protection of the units.

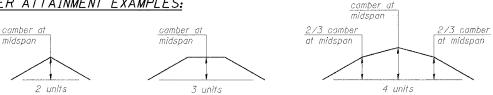
c to c of support frame Camber required See table.

(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.

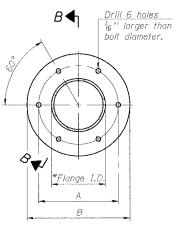
CAMBER ATTAINMENT EXAMPLES:



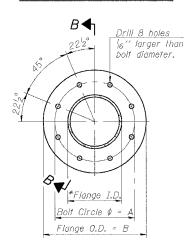
Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)

ROUTE NO. SECTION		cou	JNTY	SHEETS	SHEET NO.		
F.A.J. RTE. 90/94	*	CD	OK	247	103		
FED. ROAD DIST	. NO. 1	1L LINGIS	FEO. AIG PROJECT				

• (1919,15 & 2021-922 PT.I) R-2



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 $\frac{1}{16}$ ".

0SS-5

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

F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 63RD STREET TO GARFIELD BLVD (SB LOCAL LANES) PROPOSED IMPROVEMENT