

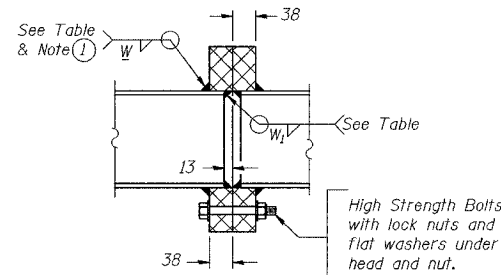
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRUSS UNIT TABLE

Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(L <sub>e</sub> ) (m)	Panel Lgth.(P) (m)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L <sub>i</sub> ) (m)	Panel Lgth.(P) (m)	Nom. pipe size	Wall	Nom. pipe size	Wall		HS Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W <sub>i</sub>		
4S0721074L089.3	143+798.000	I-S	7	11.000	1.490	0	-	-	-	127	6.5	64	5.2	38	6	22 φ	10	6	230	311
① 4S0721074L089.4	144+154.000	I-S	8	11.250	1.335	0	-	-	-	127	6.5	64	5.2	40	6	22 φ	10	6	230	311
① 4S0721074L089.7	144+540.000	I-S	7	10.230	1.380	0	-	-	-	127	6.5	64	5.2	32	6	22 φ	10	6	230	311

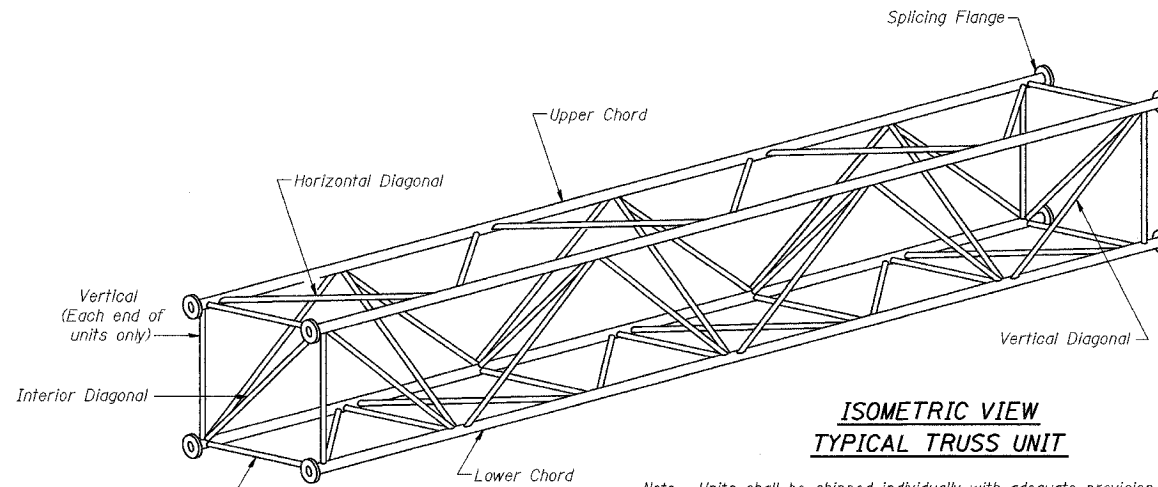
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	*	PEORIA	1360	1299
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		
* (72-TJR-3)			CONTRACT NO. 68200	

① The outside foundation, end supports, truss and signing are included in this contract. The median foundation was provided in a previous contract.



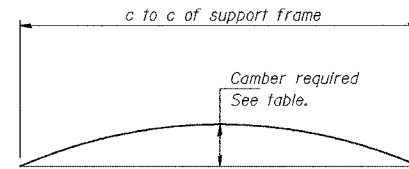
SECTION B-B

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.



ISOMETRIC VIEW  
TYPICAL TRUSS UNIT

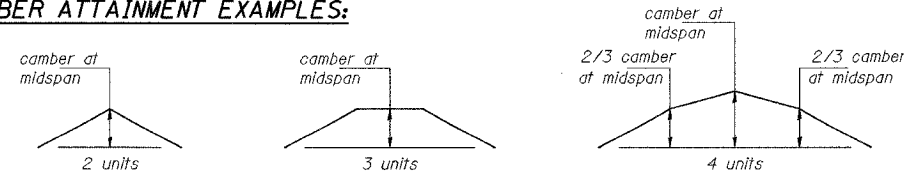
Note: Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.



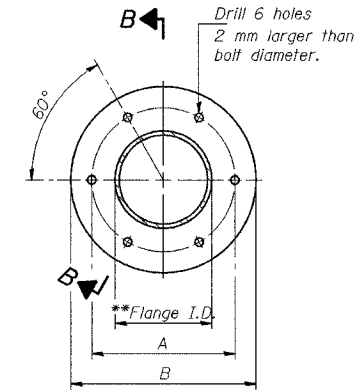
CAMBER DIAGRAM

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

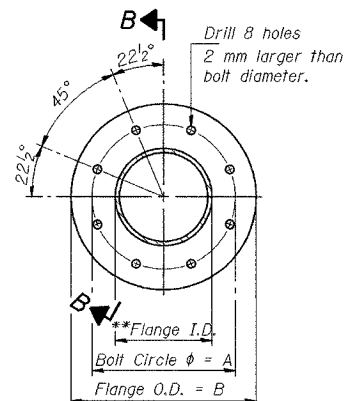
CAMBER ATTAINMENT EXAMPLES:



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



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



TRUSS TYPES II-S & III-S  
SPlicing FLANGES

\*\*To fit O.D. of Chord with maximum gap of 2 mm.

NUMBER	REVISION	DATE

DESIGNED	RJW	2884
CHECKED	KJN	EXAMINED
DRAWN	RJW	ENGINEER OF STRUCTURAL SERVICES
CHECKED	KJN	PASSED
		ENGINEER OF BRIDGES AND STRUCTURES

OS4-S-2(M) 10/1/2001

SIGNING SHEET 51 OF 83

**OVERHEAD SIGN STRUCTURES  
STEEL TRUSS DETAILS  
FOR TRUSS TYPES I-S, II-S and III-S**

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING PLAN  
W.B. I-74 STA. 143+798, S.N. 4S0721074L089.3  
W.B. I-74 STA. 144+154, S.N. 4S0721074L089.4  
W.B. I-74 STA. 144+540, S.N. 4S0721074L089.7

PEORIA CO., IL.                      DATE: II-II-04

M:/Proj/3573/Sign Structures/Contract 10/sp1001-74-oh-stl.dgn