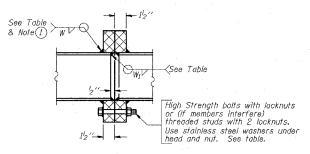
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

TRUSS UNIT TABLE

Structure		Design	Exte	erior Units	(2)		Interio	r Unit		II '''	& Lower	Verticals; Horizo		Camber			Splicing F	ange	
Number	Station	Truss Type	No. Panels per Unit	Unit Lgth.(L _e)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L ₁)	Panel Lgth.(P)	0.D.	ord Wall	Horizontal, and II	Wall	Midspan	Boli No./Splice		Weld Siz	zes W ₁ A	В
1S016I057R357.7	215+44	I-A	6	31'-41/2"	4'-11"	1	6	30'-9"	4'-11"	51/2"	5/16 "	21/2"	5/6′′	2.85"	6	7/8''	3/8" 1/	4" 91/4"	12 /4"
1S016I057R357.9	227+29	II-A	7	38'-91/4"	5'-31/4"	1	6	32′-101/2′′	5'-31/4"	61/2"	5/16 "	3"	5/6′′	3.57"	6	1''	3/8" 1/3 3/8" 1/3	4" 11"	141/2"
1S016I094R062.8	2204+66	I-A	7	34'-3"	4'-71/2"	1	6	29'-0"	4'-71/2"	51/2"	5/16"	21/2"	5/16 ′′	3.04"	6	7/8''	3/8" 1/	4" 91/4"	12/4"
1S016I094R062.2	2242+70	II-A	7	39'-111/4"	5'-51/4"	1	6	33'-101/2"	5'-51/4"	7''	5/16 "	3"	5/6′′	3.85"	6	1"	3/8" 1/	4" 11/2"	15"
1S016I094R061.7	2264+34	II-A	7	37'-9"		1	6		5'-11/2"		5/16"	3"	5/6′′	3.40"	6	1''	3/8" 1/	4" 11"	141/2"
1S016I094R061.3	2282+42	III-A	7	39′-111/4"	5'- 51/4'	1	6	33′-101/2′′	5'- 51/4'	7''	5/16 "	31/4"	5/6′′	2.87"	6	1''	76" 5/1	6" 11/2"	15"
1S016I094R061.2	2290+90	II-A	7	39'-2/2"		1	6	33'-3"	5'-4"	61/2"	5/16 "	3"	5/6 ′′	3.63"	-6	1"	3/8" 1/	4" 11"	141/2"
1S016I094R060.2	2344+44	II-A	8	39'-01/2"	4'-73/4"	1	8	38'-5"	4'-73/4"	7"	5/16 "	3"	5/6′′	3.91"	6	1''	3/8" 1/	4" 11/2"	15"



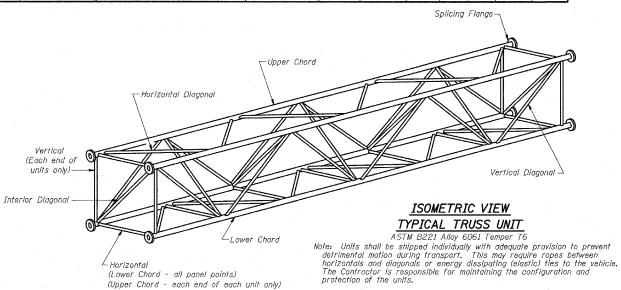
SECTION B-B

(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.

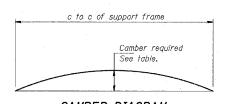
NUMBER	REVISION	DATE
		

	· · · · · · · · · · · · · · · · · · ·
DESIGNED -	
CHECKED -	EXAMINED
DRAWN	PASSED ENGINEER OF STRUCTURAL SERVI
CHECKED	ENGINEER OF BRIDGES AND STRUCTU

0S4-A-2 11/1/2002



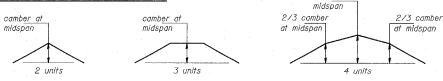
camber at



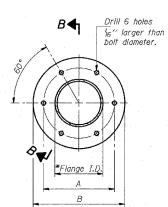
CAMBER DIAGRAM

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

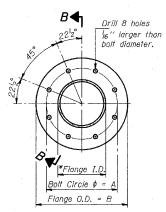
CAMBER ATTAINMENT EXAMPLES:



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



TRUSS TYPES I-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".

ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94 (DAN RYAN EXPRESSWAY)

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

SCALE: AS NOTED DATE: MARCH 18, 2005

DRAWN BY: AMB CHECKED BY: TB

COUNTY TOTAL SHEET SHEETS NO.

COOK 860 698

62694

SECTION

• (1516.1, 1717 & 1818) R-8

STA. 2200+00.00 TO STA. 2362+00.00 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

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