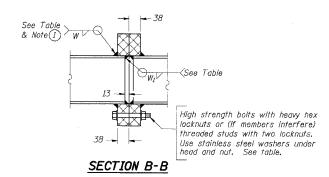
RTE.	SECTION	COUNTY	SHEETS	NO.
80/94		COOK	631	319
STA.		TO STA.	•	
EED RO	AD DIST NO	TILITMOTS FED	FCT	

• (2425 & 2626) R-2

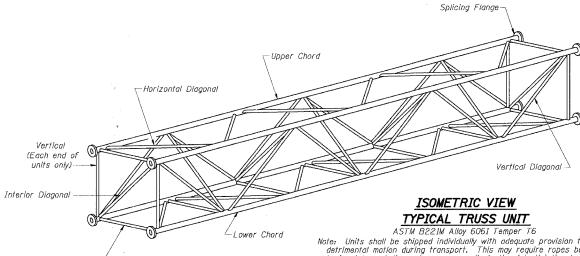
CONTRACT NO. 62111

TRUSS UNIT TABLE

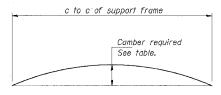
Structure	Station	Design Truss Type	Exterior Units (2)			Interior Unit			Unner 9 Laurer		Verticals Harizantala Vertical		Cambar	Splicing Flange						
Number				Unit Lgth.(Le) (m)	Panei Lgth.(P) (m)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L ₁) (m)	Panel Lgth.(P) (m)	Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Bolfs		Weld Sizes		Α	В
										0.D.	Wall	0.D.	Wall		No./Splice	Dla.	W	W ₁	A	
1S0161080L162.6	6+546.200	III-A	7	12.170	1.660	1	6	10.340	1.660	178	13	83	8	75	8	25	14	11	292	381
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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.



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.



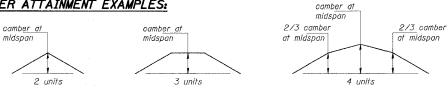
(Lower Chord - all panel points)

(Upper Chord - each end of each unit only)

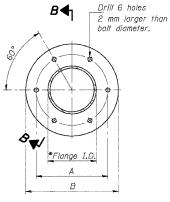
CAMBER DIAGRAM

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

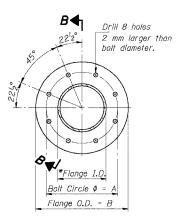
CAMBER ATTAINMENT EXAMPLES:



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



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



TRUSS TYPES II-A & III-A

SPLICING FLANGES

ASTM B221M, Alloy 6061-T6 or ASTM B209M, Alloy 6061-T651 *To fit O.D. of Chord with maximum gap of 2 mm.

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ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY) EB & WB INSIDE LANES (MAINLINE) CONSTRUCTION COOK COUNTY

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

SCALE: DATE: 7/18/2005

TENG

REVISIONS NAME

> DRAWN BY: NK CHECKED BY: VCP TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS

0S4-A-2(M)

11/1/2002