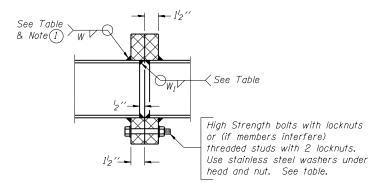
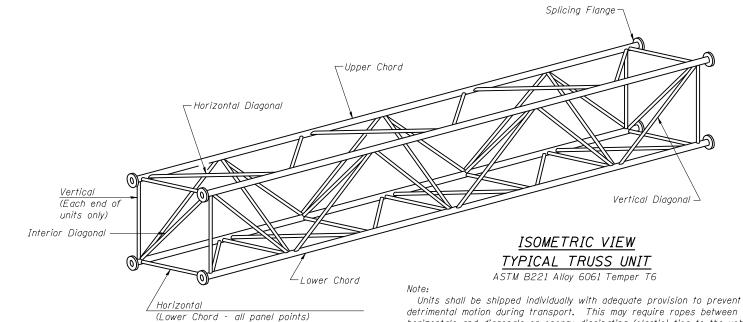
TRUSS UNIT TABLE

| Structure Number | Station | Design Truss Type | Exterior Units (2) | | | Interior Unit | | | | Upper & Lower Chord | | Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals | | Camber | Splicing Flange | | | | | |
|---------------------|----------|-------------------------|------------------------|--------------------------------|-------------------|---------------|------------------------|------------------------|-------------------|------------------------|------------------|---|-------------------|---------------|------------------|-----------|-----------|-------------------|--|-------------|
| | | | No. Panels per Unit | Unit Lgth.(L _e) | Panel Lgth.(P) | No. Reg'd. | No. Panels per Unit | | Panel Lgth.(P) | | Wall | 0.D. | Wall | at Midspan | Bolts No,/Splice | s Dia, | Weld W | Sizes Wı | A | В |
| 1S049I094L000.8 | 4081+75 | III- A | 6 | 34'-6" | | | 6 | 33'-10' ₂ " | 5'-54" | 7" | 12" | 314" | 5/6" | 4" | 8 | 1" | 916" | 716" | 11 ¹ 2" | 15" |
| 1S049I094R000.9 | 14076+06 | III- A | 6 | 31'-6" | 4'-11'4" | 2 | 6 | 30'-10 ¹ 2" | 4'-11'4" | 7" | 38" | 314" | ⁵ 16 " | 312" | 8 | 1" | 916" | 716" | 111/2" | <i>1</i> 5" |
| 1S049I094R000.7 | 14085+14 | III- A | 6 | 31'-6" | 4'-11'4" | 2 | 6 | 30'-10 ¹ 2" | 4'-11'4" | 7" | 3 ₈ " | 31/4" | ⁵ 16 " | 31/2" | 8 | 1" | 916" | 7 ₁₆ " | 11 ¹ 2" | <i>1</i> 5" |
| | | | | | | | | | | | | | | | | | | | | |
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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.



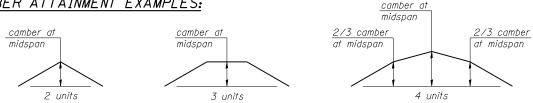
horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. (Upper Chord - each end of each unit only) The Contractor is responsible for maintaining the configuration and protection of the units. c <u>to c of</u> support frame

Camber required See table.

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)

0S4-A-2 FILE NAME = \$FILES\$

1-20-11

| USER NAME = default | DESIGNED - TF | REVISED |
|-------------------------------|---------------|---------|
| | CHECKED - RGR | REVISED |
| PLOT SCALE = H:1"=10' V:1"=5' | DRAWN - TF | REVISED |
| PLOT DATE = 6/20/2012 | CHECKED - RGR | REVISED |

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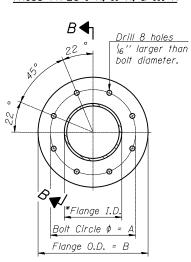
BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

| | | | | | | Ŀ |
|---|-----------------------------|----------|----------|-----------------|-------|------|
| OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS DETAILS | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | | 7.10 |
| FOR TRUSS TYPES I–A. II–A AND III–A | 94 | 49-1-R-1 | LAKE | 677 | 297 | 016 |
| TON THOSE THES I-A, II-A AND III-A | | | CONTRACT | NO. (| 60L77 | 8 |
| SHEET NO. 7 OF 12 SHEETS | THE THIOSE EED, AND PROJECT | | | | | |

Drill 6 holes 1₁₆'' larger than bolt diameter. *Flange I.D.

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 $\frac{1}{6}$ ".