PLAN (TYPE A)

10°, 20°, 30°, & 40° CONNECTIONS

Section B-B

GENERAL NOTES

1 See Standard Drawing E 802-SNBB-05 for table.

Section C-C
 SECTION D-D

Sign length minus 2'

PLAN (TYPE B)
0° CONNECTION

Z 4 x 2.85 x sign ht.

Beam web

INDIANA DEPARTMENT OF TRANSPORTATION
BRIDGE BRACKET ASSY. FOR
CROSS-ROAD SIGNING
SEPTEMBER 2001
STANDARD DRAWING NO. E 802-SNBB-03

Anthony L. Orlovich
Finnos Sandu

DESIGN STANDARDS ENGINEER
DESIGN STANDARDS ENGINEER

DATE 9-04-01
DATE 9-04-01
**SECTION E-E**

- Drill \( \frac{3}{8} \)" hole for \( \frac{3}{8} \)" bolt, lock washer & regular nut (3 req'd.)
- \( \frac{3}{4} \)" hole for \( \frac{3}{4} \)" Bolt (2) flat washers & nylon insert lock nut (4) reqd.
- Place plastic material, \( \frac{3}{4} \)" min. thickness between steel & aluminum surfaces.

- Z 4 x 2.85 x sign ht.

**SECTION F-F**

- Panel sign

**PLAN (TYPE B)**

- 10°, 20°, 30°, & 40° Connections
## GENERAL NOTES

1. Bottom edge of sign shall be horizontal when erected and shall be a minimum of 1'−6 above the bridge beam flange at all points.

2. All 3⁄8' bolts used with 3⁄8' expansion anchors shall be 1 in. long (±0 ".) and shall engage expansion anchors of 1 1/2 times the bolt dia. or 9 threads minimum except for Type A 0° connections to bridge fascia. The contractor may use either type A or B.

## TYPE A & B BRIDGE CONNECTION TABLE

<table>
<thead>
<tr>
<th>SKEW</th>
<th>CONNECTION (ANGLE A)</th>
<th>ANGLE B</th>
<th>CHANNEL STRUT LENGTH</th>
<th>ANCHOR SPACING</th>
<th>PLATE SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>0° − 10°</td>
<td>0°</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10° − 20°</td>
<td>10°</td>
<td>80°</td>
<td>C 6 x 2.83 x 1'−4 3/4''</td>
<td>5'−6</td>
<td>5'−11</td>
</tr>
<tr>
<td>20° − 30°</td>
<td>20°</td>
<td>70°</td>
<td>C 6 x 2.83 x 2'−5 1/2''</td>
<td>5'−11 1/2'</td>
<td>6'−2 1/2''</td>
</tr>
<tr>
<td>30° − 40°</td>
<td>30°</td>
<td>60°</td>
<td>C 6 x 2.83 x 3'−7 1/2''</td>
<td>6'−5 1/2''</td>
<td>6'−8 1/2''</td>
</tr>
<tr>
<td>40° − 50°</td>
<td>40°</td>
<td>50°</td>
<td>C 6 x 2.83 x 5'−1 1/4''</td>
<td>7'−3 3/4''</td>
<td>7'−6 1/2''</td>
</tr>
</tbody>
</table>