**FABRICATION NOTES**

**GENERAL**
- See Layout for beam type. See standard sheet SSB-24 for beam size.
- For uncoated structures, use ASTM Grade 50 for all steels. For coated structures, use any of the following steels: ASTM Grades 50, 50W, or 50L, or other grades approved by TxDOT. Framing Plan and Beam Elevation are shown for design.
- See standard SSB-24 for details not shown.

**ROLLED BEAMS**
- Beam bottom flanges and webs are classified as tension components and are subject to the impact testing requirements of Section 410. "Metal for Structures". See standard SSB-24 for "N" and "X" values.
- Beam length in excess of 80'. Do not locate the optional splice within 1' of either side of the centerline of span where L is the span length between centers of bearing. Optional beam splices must be made by full penetration groove welds.
- Beams sized for total dead load deflection. Camber tolerance for beams is shown in CAMBER TOLERANCE TABLE. Produce camber using heat, pressure, or a combination of heat and pressure.

**OPTIONAL PLATE GIRDERS**
- Rolled section flanges and webs are classified as tension components and are subject to the impact testing requirements of Item 442, "Metal for Structures". Beams sized for total dead load deflection. Optional beam splices must be made by full penetration groove welds. Beams sized for total dead load deflection. Camber tolerance for beams is shown in CAMBER TOLERANCE TABLE. Produce camber using heat, pressure, or a combination of heat and pressure.

**CAMBER TOLERANCE TABLE**

<table>
<thead>
<tr>
<th>Pt</th>
<th>Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>+/- 11/16</td>
</tr>
<tr>
<td>1</td>
<td>+/- 1 1/2</td>
</tr>
<tr>
<td>2</td>
<td>+/- 2</td>
</tr>
<tr>
<td>3</td>
<td>+/- 2 1/2</td>
</tr>
</tbody>
</table>

**Details**
- Use one-half the values shown when a sag roadway vertical curve is on the span.
- Dimensions shown are for interior beams. See Details "A" for dimensions of Abutments.
- Use one-half the values shown when a sag roadway vertical curve is on the span.