**BULB-TEE GIRDER ARRANGEMENT**

- **END OF GIRDER**
  - Indicates top rows of strands
  - Indicates cut & shop bend strands with 2'-6" projection

- **INTERMEDIATE BENT**
  - 3 Spa. @ X" (Typ.)
  - 1 1/2"Ø Vent Hole
  - #4-D1, #4-C1 and #4-B1 (Spaced as shown)

**SECTION A-A**
- Strands not shown for clarity.
- Actual lengths are measured along centerline of bar to the nearest inch.
- Minimum clearance to reinforcing shall be 1 inch.
- All reinforcement shall be Grade 60.
- The #4 bars may be furnished as one bar at the fabricator's option.

**GENERAL NOTES**
- Concrete for prestressed girders shall be Class A-1 with f'c = 5000 psi and f'ci = 500 psi.
- Pretensioned members shall be in accordance with Sec 1029.
- The 1 1/2"Ø holes shall be cast in the web for steel intermediate diaphragms.
- Drilling is not allowed. For location and design of lifting devices, see Table No. __.
- Fabricator shall be responsible for location and design of lifting devices.

**CONCRETE**
- Concrete for prestressed girders shall be Class A-1 with f'c = 5000 psi and f'ci = 500 psi.

**BILL OF REINFORCING STEEL - EACH GIRDER**

<table>
<thead>
<tr>
<th>STRAND</th>
<th>SHAPE 11S</th>
<th>SHAPE 19S</th>
<th>SHAPE 20</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 D1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 B1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 A1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FABRICATION**
- All reinforcement shall be Grade 60.
- All reinforcement shall be Grade 60.
- All reinforcement shall be Grade 60.

**COIL INSERTS**
- For location of coil inserts at slab drains, see Sheet No. __.
- For location of coil inserts at slab drains, see Sheet No. __.
- For location of coil inserts at slab drains, see Sheet No. __.

**COIL TIES**
- For Girder Camber Diagram, see Sheet No. __.
- For Girder Camber Diagram, see Sheet No. __.
- For Girder Camber Diagram, see Sheet No. __.

**HOMES & BUILDINGS**
- For location of homes at sheet No. __.
- For location of homes at sheet No. __.
- For location of homes at sheet No. __.

**DETAILS & DIMENSIONS**
- 1/2" Bearing Plate Width: 3'-5" (Typ.)
- 3 Spa. @ 5" (Typ.)
- 3 Sp. @ 5" (Typ.)

**DRAWING INFORMATION**
- Drawn: __
- Checked: __
- Sheet No. __
PSI_05_bulbt_6-0 Guidance & Alternate Details

Standard Drawing Guidance (do not show on plans):

To display the strand details upon the reference files dialog box and activate the display option of the file with the description that best matches what is required by the design.

See EPG for actual length of B1 bars which vary by size.

1. This detail only needs to be used if the structure is over water. For all other crossings remove this detail.
2. Remove if #5-B1 bars are used instead of #4-B1 bars.
3. Use with end spans when both interior & exterior girders are detailed on the same sheet and the 2'-6" long tie rod will not fit in the exterior diaphragm portion. Remove when not necessary.
4. By design. Typically 30.98 kips per 1/2" strand & 43.94 kips per 0.6" strand, rounded to nearest whole kip.