**TABLE OF ESTIMATED QUANTITIES FOR 3-COLUMN BENT**

<table>
<thead>
<tr>
<th>Bar No.</th>
<th>Size</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>#11</td>
<td>13'-7&quot;</td>
<td>763</td>
</tr>
<tr>
<td>2</td>
<td>#11</td>
<td>13'-7&quot;</td>
<td>763</td>
</tr>
</tbody>
</table>

**TABLE OF ESTIMATED QUANTITIES FOR 5-PILE BENT**

<table>
<thead>
<tr>
<th>Bar No.</th>
<th>Size</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>#1</td>
<td>11'-2&quot;</td>
<td>252</td>
</tr>
<tr>
<td>2</td>
<td>#1</td>
<td>11'-2&quot;</td>
<td>252</td>
</tr>
<tr>
<td>3</td>
<td>#1</td>
<td>11'-2&quot;</td>
<td>252</td>
</tr>
<tr>
<td>4</td>
<td>#1</td>
<td>11'-2&quot;</td>
<td>252</td>
</tr>
<tr>
<td>5</td>
<td>#1</td>
<td>11'-2&quot;</td>
<td>252</td>
</tr>
</tbody>
</table>

**DISCLAIMER:**

This standard does not support the use of multi-pile footings as shown on standard FD. See Bridge Layout for beam type and foundation type, size and length.

**GENERAL NOTES:**

- Provide Grade 60 reinforcing steel.
- Provide Class C concrete (fc = 3,600 psi).
- Reinforcing Steels ~ 96 Lb
- Bars V length ~ 1'-0"
- Bars Z length ~ 1'-0"
- Bars T length ~ 1'-0"
- Bars F length ~ 1'-0"
- Top of cap elevations are based on section depths shown on Span Details.
- Class "C" Conc (Column) ~ 0.55 CY
- Reinforcing Steel ~ 96 Lb
- "E" ~ 1'-0"

**MATERIAL NOTES:**

- See FD standard.
- If preferred bituminous fiber material between beam stem and earwall. Bond to beam with an approved adhesive. Cast inside face of earwall with face of beam stem.
- Reinforcing Steel ~ 96 Lb
- Bars S Spacing ~ 60 Lb
- Bars Z Spacing ~ 96 Lb
- Bars V Spacing ~ 120 Lb
- Foot variation in "H" value, make the following adjustments:
  - Bars V length ~ 1'-0"
  - Bars Z length ~ 1'-0"
  - Bars T length ~ 1'-0"
- Top of cap elevations are based on section depths shown on Span Details.
- See FD standard.
- This standard may not be used for "H" heights exceeding 30' or exposed pile heights exceeding the values shown in the table. In areas of very soft soil or where soil settlement is anticipated, allowable "H" heights or exposed pile heights must be evaluated by the Engineer prior to the use of this standard.
- This standard does not support the use of multi-pile footings as shown on standard FD.
- See Bridge Layout for beam type and foundation type, size and length.
- Surface finish top of cap with a textured wood float. Leave surface in the direction of the centerline of beams. Provide bearing surface clean and free of all loose materials before placing bearing pads.
- See Bridge Layout for location of piles.
- Interim Bents ~ 28" Roadway 30° Skew
- BDSD-28-30
- Texas Department of Transportation
- Bridge Design Standard
- PRESTRESSED CONCRETE DECKED SLAB BEAMS
- H93 LOADING