**TYPICAL SECTION AT LIGHT POLE PEDESTAL FOR FLAT SLAB OR BRIDGE DECK THICKNESS AT COPING 1'-5¼" OR GREATER**

**PLAN VIEW**

- Bars 4F1 (pairs)
- Bars 4F2 (pairs)
- Bars 4F3 (pairs) & 4J2 (pairs)
- Bars 4F4 (pairs)
- Bars 4F5 (pairs)
- Anchor Bolts (Typ.)
- Anchor Plate (dashed lines)
- Construction Joint Permitted

**ELEVATION VIEW**

- Bars 4G (Typ.)
- Bars 4H (Top & Bottom)
- Bars 4F1 (pairs)
- Anchor Plate (dashed lines)
- Construction Joint Permitted

**CROSS REFERENCE:**
- For Detail "A," Anchor Plate Detail and Light Pole Pedestal Notes, see Sheet 3.
CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

REINFORCING STEEL NOTES:

a. When Pedestal is attached to Pedestrian/Bicycle Railing - Index No. 820 or an 8" wide concrete curb and the Bridge Deck or Approach Slab thickness is less than 1'-15/16". Bars 4J3 shall have leg length and bar length shown in parentheses.

b. The number of bars shown in parentheses is for Bars 4J4 when Pedestal is attached to Pedestrian/Bicycle Railing - Index No. 820 or an 8" wide concrete curb and the Bridge Deck or Approach Slab thickness is less than 1'-15/16". Bars 4J3 shall have leg length and bar length shown in parentheses.

c. Lap Splices for Bars 4J1, 4J2 & 4J3 shall be a minimum of 1'-4". Lap Splices for Bars 4J4 & 4J5 shall be minimum of 1'-8".

d. Bars 4J1 and 4J2 are not required when Pedestal thickness is less than 1'-5/8". Field trim height of bars to maintain cover when Pedestal thickness is less than 2'-0". Field trim length of Bars 4J2 on Retaining Wall Capping to maintain cover.

e. All bar dimensions in the bending diagrams are out to out.

LIGHT POLE PEDESTAL NOTES

1. Concrete and Reinforcing Steel required for the construction of the Pedestal shall meet the same requirements as the Traffic Railing or Pedestrian/Bicycle Railing. The Pedestal is attached to.

2. Light Pole Pedestal may be used with the following:
   - Index No. 420 - Traffic Railing (32" F Shape)
   - Index No. 422 - Traffic Railing (42" Vertical Shape)
   - Index No. 423 - Traffic Railing (32" Vertical Shape)
   - Index No. 424 - Traffic Railing (Coral Shape)
   - Index No. 425 - Traffic Railing (42" F Shape)
   - Index No. 800 - Pedestrian/Bicycle Railing
   - Index No. 821 - Aluminum Pedestrian/Bicycle Bullet Railing for Traffic Railing (32" F Shape), or Index No. 5210 - Traffic Railing (Noise Wall Bridge)

3. Unless otherwise noted, Traffic Railing (32" F Shape) is shown in all Views and Sections. The Pedestal details for other Traffic Railings or Pedestrian/Bicycle Railings are similar.

4. ANCHOR BOLT DESIGN:
   - Anchor Bolt design is based on the standard Roadway Aluminum Light Pole configurations shown on Index 17515 and the following design limitations:
     - Load Case 1: See Table 1
     - Load Case 2: 150 mph Design Wind Speed, 15' arm length, 50' Design Mounting Height with a 75' bridge deck height above natural ground, or MLW.

5. Anchor Bolt Diameter: 3/8" (Load Case 1), 1 1/4" (Load Case 2).

6. The Contractor is responsible for ensuring the anchor bolt configuration is compatible with the light pole base plate. Submit modifications of the anchor bolt design to the Engineer for approval.

7. PAYMENT: The cost of Wire Screen, Anchor Bolts, Nuts, Washer and Anchor Plates shall be included in the Bid Price for Light Poles. The cost of all Labor, Concrete and Reinforcing Steel required for the Construction of the Pedestals, EJB, and Miscellaneous Hardware required for the completion of the Electrical System, shall be included in the Bid Price for Pedestrian/Bicycle Railing the Pedestal is attached to.

BARS 4J1 & 4J2

<table>
<thead>
<tr>
<th>ITEM</th>
<th>UNIT</th>
<th>QUANTITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete Per Pedestal Thickness</td>
<td>CY/In.</td>
<td>0.040</td>
</tr>
<tr>
<td>Reinforcing Steel</td>
<td>LB</td>
<td>195 (182)</td>
</tr>
</tbody>
</table>

(The Reinforcing Steel quantity shown in parenthesis is for a Pedestal attached to Pedestrian/Bicycle Railing - Index No. 820 with Bridge Deck or Approach Slab thinner than 1'-15/16". Add 59 lbs. for Bars 4J1 & 4J2 when Pedestal Thickness is greater than 1-5/16".)

CROSS REFERENCE:
For location of detail "A" see Sheets 1 and 2.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>INDEX NO.</th>
<th>SHEET NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 2017-18 DESIGN STANDARDS</td>
<td>21200</td>
<td>3 of 3</td>
</tr>
</tbody>
</table>