**PLAN VIEW**

- Bars 4F1 (Top) ~ 7 sp. @ 1'-0" ± (Tie to Deck Slab or Approach Slab Reinforcing)
- Bars 4F2 (Top) ~ 7 sp. @ 1'-0" ± (Tie to Deck Slab or Approach Slab Reinforcing)
- Bars 4F3 (pairs) ~ 7 sp. @ 1'-0" ± (Tie to Deck Slab or Approach Slab Reinforcing)

**ELEVATION VIEW**

- Bars 4G (Top) ~ 7 sp. @ 1'-0" ± (Tie to Deck Slab or Approach Slab Reinforcing)
- Bars 4F4 (pairs) ~ 7 sp. @ 1'-0" ± (Tie to Deck Slab or Approach Slab Reinforcing)

**TYPICAL SECTION AT LIGHT POLE PEDESTAL FOR APPROACH SLAB ON RETAINING WALL**

- Bars 4G (Tie to Top Slab Reinforcing)
- Bars 4F1 (pairs)
- Bars 4F2 (pairs)
- Bars 4F3 (pairs)

**TYPICAL SECTION AT LIGHT POLE PEDESTAL FOR FLAT SLAB OR BRIDGE DECK THICKNESS AT COPING 1'-5½" OR GREATER**

- 1½" Ø Conduit
- Anchor Bolts (Typ.)

**CROSS REFERENCE**

- For Detail "A", Anchor Plate Detail and Light Pole Pedestal Notes, see Sheet 3.

**NOTE:** Anchor Bolt, Nuts, Washers and Anchor Plate are dashed for clarity.
REINFORCING STEEL NOTES:

a. When Pedestal is attached to Pedestrian/Bicycle Railing - Index 521-820 or an 8” wide concrete curb and the Bridge Deck or Approach Slab thickness is less than 1'-11½", Bars 4F shall have leg length and bar length shown in parentheses.

b. The number of bars shown in parentheses is for Bars 4F when Pedestal is attached to Pedestrian/Bicycle Railing - Index 521-820 or an 8” wide concrete curb, and the Bridge Deck or Approach Slab thickness is less than 1'-11½". Bars 4F shall have leg length and bar length shown in parentheses.

c. Lap Splices for Bars 4F1, 4F2 & 4F3 shall be a minimum of 1'-4". Lap Splices for Bars 4F4 & 4F5 shall be a minimum of 1'-8".

d. Bars 4F1 & 4F2 when Pedestal thickness is greater than 1'-5½". Field trim length of Bars 4F2 on Retaining Wall Coping 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 Pedestal may be used in the following:
   - Index 521-422 - Traffic Railing (42" Vertical Shape),
   - Index 521-423 - Traffic Railing (52" Vertical Shape),
   - Index 521-427 - Traffic Railing (36" Single-Slope),
   - Index 521-428 - Traffic Railing (42" Single-Slope),
   - Index 521-620 - Pedestrian/Bicycle Railing,
   - Index 515-021 - Pedestrian/Bicycle Bullet Railing for Traffic Railing or
   - Index 515-509 - Traffic Railing (Noise Wall - Bridge).

3. Unless otherwise noted, Traffic Railing (36" Single-Slope) is shown in all Views and Sections. The Pedestal details for other Traffic Railings or Pedestrian/Bicycle Railing are similar.

4. ANCHOR BOLTS:
   Anchor Bolt design is based on the standard Roadway Aluminum Light Pole configurations shown on Index 715-002 with top of pedestal 75' or less above ground or MLW.
   - Anchor Bolt Diameter: See Table 1
   - Anchor Bolts: ASTM F1554 Grade 55.
   - Nuts: ASTM A563 Grade A, Heavy-Hex.
   - Washers: ASTM F436 Type 1.
   - Anchor Plate: ASTM A794 (Grade 36) or ASTM A36.
   - Coating: Galvanize all Nuts, Bolts, Washers, and plates in accordance with ASTM F230.
   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.

5. Install Anchor Bolts plumb.

6. For Conduit, Embedded Junction Boxes (FJ8), Expansion/Deflection Fitting and adjacent Reinforcing Steel Details, see Utility Conduit Detail Sheets.

7. PAYMENT: The cost of Wire Screen, Anchor Bolts, Nuts, Washers 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, and Miscellaneous Hardware required for the completion of the Electrical System, shall be included in the Bid Price for the Traffic Railing or Pedestrian/Bicycle Railing the Pedestal is attached to.

8. The Reinforcing Steel quantity shown in parenthesis is for a Pedestal attached to Pedestrian/Bicycle Railing - Index 521-820 with Bridge Deck or Approach Slab thinner than 1'-11½". Add 59 lbs. for Bars 4F1 & 4F2 when Pedestal Thickness is greater than 1'-11½".

9. Use 1BP" Diameter Anchor Bolt for Bridge Deck Height greater than shown, in Table 1, up to 75'.

10. Above natural ground or MLW.

CROSS REFINEMENTS:
   For location of Detail 'A' see Sheets 1 and 2.

BARS 4J1 & 4J2

WARNING:
   Bars 4J1 & 4J2 not required when Pedestal thickness is less than 1'-5½". Field trim length of Bars 4J2 on Retaining Wall Coping to maintain cover.

For location of Detail "A" see Sheets 1 and 2.

REINFORCING STEEL BENDING DIAGRAMS

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

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