PLAN VIEW

**Anchor Plate**

Bars 4F5 (pairs)

Bars 4G (Typ.)

Bars 4F2 (pairs)

Bridge Deck or Approach Slab Reinforcing

Riding Surface

Bars 4F4 (pairs)

Bars 4F3 (pairs)

Coping

Bars 4H1 & 4G

Bars 4F5 (pairs)

Bars 4F4 (pairs)

Bars 4H2 Tie
to bottom slab reinforcement

OPTION 2 - TYPICAL SECTION AT LIGHT POLE PEDESTAL
(Approach Slab Similar)

OPTION 2 - ELEVATION VIEW

LIGHT POLE PEDESTAL FOR APPROACH SLAB OR BRIDGE DECK LESS THAN 1'-5½" AT COPING OPTION 2

NOTE: Anchor Bolt, Nuts, Washers and Anchor Plate are dashed for clarity.

**Slip Forming Method of Construction requires the Engineer's approval within the limits shown.**

***Anchor Bolt pattern orientation shall be as shown.***

*For Index 521-820 - Pedestrian/Bicycle Railing and concrete curb, this dimension is 3½". For raised sidewalks, this dimension is 1'-0" Max.*

**Const. Jt. Permitted**

**Bars 4H2 Tie to bottom slab reinforcement**

**Bars 4F1 & 4F2**
CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

BILL OF REINFORCING STEEL

<table>
<thead>
<tr>
<th>MARK</th>
<th>SIZE</th>
<th>NO. REQD</th>
<th>LENGTH</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1</td>
<td>4</td>
<td>16</td>
<td>5'-8&quot;</td>
<td>c</td>
</tr>
<tr>
<td>F2</td>
<td>4</td>
<td>4</td>
<td>4'-8&quot;</td>
<td>c</td>
</tr>
<tr>
<td>F3</td>
<td>4</td>
<td>4</td>
<td>4'-2&quot;</td>
<td>a, c</td>
</tr>
<tr>
<td>F4</td>
<td>4</td>
<td>8</td>
<td>8'-3&quot;</td>
<td>b, c</td>
</tr>
<tr>
<td>F5</td>
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<td>6'-7&quot;</td>
<td>c</td>
</tr>
<tr>
<td>G</td>
<td>4</td>
<td>8</td>
<td>6'-0&quot;</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>4</td>
<td>2</td>
<td>15'-8&quot;</td>
<td></td>
</tr>
<tr>
<td>J1</td>
<td>4</td>
<td>8</td>
<td>4'-8&quot;</td>
<td>d</td>
</tr>
<tr>
<td>J2</td>
<td>4</td>
<td>12</td>
<td>4'-6&quot;</td>
<td>e</td>
</tr>
</tbody>
</table>

4. ANCHOR BOLTS:

Anchor Bolt design is based on the standard Roadway Aluminum Light Pole configurations shown on Index 715-002.

Anchor Bolt Diameter: See Table 1
Anchor Bolts: ASTM F1554 Grade 55.
Nuts: ASTM A663 Grade A, Heavy Hex.
Washers: ASTM F2329 Type 1.

Anchor Plate: ASTM A709 (Grade 36) or ASTM A36.
Washers: ASTM F436 Type 1.
Anchor Bolts: ASTM F1554 Grade 55.
Anchor Bolt Diameter: See Table 1

4. CROSS REFERENCE:

For location of Detail "A" see sheets 1, 2, and 3.

BAR 4G

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 with the following:
   - Index 521-427 - Traffic Railing (36" Single-Slope),
   - Index 521-423 - Traffic Railing (32" Vertical Shape),
   - Index 521-422 - Traffic Railing (42" Vertical Shape),
   - Index 521-820 - Pedestrian/Bicycle Railing - Index 521-820 with Bridge Deck or Approach Slab thinner than 1'-1".

3. Unless otherwise noted, Traffic Railing (36" Single-Slope) is shown in all views and sections. The Pedestal details of 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.
Anchor Bolt Diameter: See Table 1
Anchor Bolts: ASTM F1554 Grade 55.
Nuts: ASTM A663 Grade A, Heavy Hex.
Washers: ASTM F2329 Type 1.

Coating: Galvanize all Nuts, Bolts, Washers, in accordance with ASTM F2329.
Galvanized plates in accordance with ASTM A123.

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 (EJB), 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.

ESTIMATED LIGHT POLE PEDESTAL QUANTITIES PER LIGHT POLE PEDESTAL

<table>
<thead>
<tr>
<th>ITEM</th>
<th>UNIT</th>
<th>QUANTITY</th>
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<tbody>
<tr>
<td>Concrete Per Pedestal Thickness</td>
<td>CF/ln.</td>
<td>0.040</td>
</tr>
<tr>
<td>Reinf. 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 521-820 with Bridge Deck or Approach Slab thinner than 1'-1". Add 59 lbs. for Bars 4J1 & 4J2 when Pedestal Thickness is 1'-5" or greater.)