PLAN VIEW

* 6'-6" Min. (Fib) Size
* 4'-6" Min. (Typ)

4 ~ Anchor Bolts (see Sheet 4)
Bars 4F5 (pairs)
2" Cover (Typ.)
Const. Jt. Permitted

See Anchor Plate Detail
Coping

Bars 4F4 (pairs)
Bars 4F3 (pairs) (Typ.)
Gutter Line

Bars 4F1, 4F2 & 4F3 (pairs)

PLATE VIEW

1'-0" Lap Bars 4G (Tie to Deck Slab or Approach Slab Reinforcing)
1'-4" (Min.)

2" Ø Conduits
Top of Traffic or Pedestrian/Bicycle Railing

1'-1½" Ø

Construction Joint Permitted

Bridge Deck or Approach Slab (Reinforcing not shown for clarity)

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

OPTION 2 - ELEVATION VIEW

CROSS REFERENCE:
For Detail "A", Anchor Plate Detail and Light Pole Pedestal Notes, see Sheet 4.

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

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

LIGHT POLE PEDESTAL - BRIDGE

INDEX
521-660
4

11/01/18

REV 2

REVISION

STANDARD PLANS

FY 2020-21

DESCRIPTION:

LAST

REV

REVISION

2 of 4

11/01/18

10/14/19
LIGHT POLE PEDESTAL FOR APPROACH SLAB OR BRIDGE DECK
THICKNESS AT COPING 1'-5½" OR GREATER

PLATE VIEW

PLAN VIEW

ELEVATION VIEW

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

CROSS REFERENCE:
For Detail "A", Anchor Plate Detail and Light Pole Pedestal Notes, see Sheet 4.

NOTE: Anchor Bolt, Nuts, Washers and Anchor Plate are dashed for clarity.
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>
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<tbody>
<tr>
<td>F1</td>
<td>4</td>
<td>16</td>
<td>5'-0&quot;</td>
<td>c</td>
</tr>
<tr>
<td>F2</td>
<td>4</td>
<td>4</td>
<td>4'-0&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>
<td>4</td>
<td>4</td>
<td>6'-7&quot;</td>
<td>c</td>
</tr>
<tr>
<td>G</td>
<td>4</td>
<td>8</td>
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<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>d</td>
</tr>
</tbody>
</table>

(See Reinforcing Steel Note a & b.)

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'-1/2", Bars 4F3 shall have leg length and bar length shown in parentheses.

b. The number of bars shown in parentheses is for Bars 4F4 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'-1/2".

c. Lap Splices for Bars 4L1, 4L2 & 4L3 shall be a minimum of 1'-4".

d. Bars 4L1 and 4L2 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 4L2 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 Pole Pedestal may be used with the following:
   - Index 521-422 - Traffic Railing (42" Vertical Shape),
   - Index 521-423 - Traffic Railing (42" Vertical Shape),
   - Index 521-427 - Traffic Railing (36" Single-Slope),
   - Index 521-428 - Traffic Railing (42" Single-Slope),
   - Index 521-820 - Pedestrian/Bicycle Railing,
   - Index 515-021 - Pedestrian/Bicycle Bullet Railing for Curb, and the Bridge Deck or Approach Slab thinner than 1'-1/2".
   - 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.
   - Anchor Bolt Diameter: See Table 1. Anchor Bolts: ASTM F1554 Grade 55.
   - Washers: ASTM F363 Type 1.
   - Anchor Plate: ASTM A709 (Grade 36) or ASTM A36.
   - Galvanize all Nuts, Bolts, Washers, in accordance with ASTM F2329.
   - Design Yokem Coating: Galvanize 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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<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 521-820 with Bridge Deck or Approach Slab thinner than 1'-1/2". Add 59 lbs. for Bars 4F3 & 4L2 when Pedestal Thickness is 1'-5/8" or greater.)