LIGHT PEDESTAL NOTES:

1. The pedestal and junction slab are designed to resist the following working loads from the light pole applied at the top of the Pedestal:
   - Axial Deadload = 1,560 kip
   - Windload Moment about Transverse Axis (*) = 40.60 kip-ft
   - Windload Moment about Longitudinal Axis (*) = 28.30 kip-ft
   - Deadload Moment about Longitudinal Axis (*) = 2,680 kip-ft
   - Maximum Shear = 1,360 kip
   - Torsion about Pole Axis (*) = 3,650 kip-ft
   - (*) - Axis refers to Bridge Axis

2. See Index No. 21200 for anchor bolt design and notes.
3. The Contractor is responsible for ensuring the anchor bolt design is compatible with the light pole base plate. Modifications to the anchor bolt design must be signed and sealed by the Contractor's Specialty Engineer and submitted to the Engineer for approval prior to construction.
4. Install Anchor Bolts plumb.
5. For conduit, pull box and expansion/deflection fitting details, see Utility Conduit Detail Drawings.
6. The cost of anchor bolts, nuts, washers and anchor plates will be included in the Bid Price for Light Poles. Include the cost of all labor, concrete and reinforcing steel required for construction of the pedestals, pull boxes and miscellaneous hardware required for the completion of the electrical system in the Bid Price for either the Traffic Railing or Concrete Parapet that the pedestal is behind.
7. Field Cut Bars 4M3 as required to maintain clearance.
8. Anchor Bolt pattern orientation will be as shown.
9. Slip Forming Method of construction requires the Engineer's approval within the limits shown.
10. Reinforcing shown for light pole pedestals is in addition to typical reinforcing for C.I.P. Junction Slabs and Raised Sidewalks.
11. Work this Index with the following as appropriate:
   - Index No. 6110
   - Index No. 6120
   - Index No. 6130
12. For Estimated Quantities, see Sheet No. 3.

PLAN VIEW
(Junction Slab reinforcing not shown for clarity)
(Junction Slab Shown, Raised Sidewalk or Sidewalk Similar)
Adjust thickened concrete quantity as required for raised sidewalks.

Concrete quantity for the thickened junction slab is based on a 6" increase in thickness and a 5" wide retaining wall panel.

**REINFORCING STEEL**

**BILL OF REINFORCING STEEL**

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<th>SIZE</th>
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<th>LENGTH</th>
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<tr>
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<td>16</td>
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</tr>
<tr>
<td>G2</td>
<td>4</td>
<td>4</td>
<td>4'-8&quot;</td>
</tr>
<tr>
<td>G3</td>
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</tr>
<tr>
<td>H2</td>
<td>4</td>
<td>10</td>
<td>3'-8&quot;</td>
</tr>
</tbody>
</table>

**NOTES:**

1. Field cut Bars 4M2 as required to maintain minimum cover.
2. Maximum clearance between leveling nut and top of pedestal will not exceed anchor bolt diameter.
3. The Contractor may use Welded Wire Reinforcement when approved by the Engineer. Welded Wire Reinforcement will conform to ASTM A 497.

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**ELEVATION VIEW**

(Junction Slab Reinforcing & Bars 4I not Shown for Clarity)

(Traffic Railing Shown, Concrete Parapet Similar)

(Junction Slab Shown, Raised Sidewalk or Sidewalk Similar)

**DETAIL "A"**

NOTES:

1. All bar dimensions in the bending diagrams are out to out.
2. Lap splices for Bars 4G1, 4G2 & 4G3 will be a minimum of 1'-4". Lap splices for Bars 4G4 & 4G5 will be a minimum of 1'-8".
3. The Contractor may use Welded Wire Reinforcement when approved by the Engineer. Welded Wire Reinforcement will conform to ASTM A 497.

---

**ESTIMATED QUANTITIES**

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<tr>
<th>ITEM</th>
<th>UNIT</th>
<th>QUANTITY</th>
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</thead>
<tbody>
<tr>
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<td>0.926</td>
</tr>
<tr>
<td>Concrete (Thickened Junction Slab)</td>
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<td>1.222</td>
</tr>
<tr>
<td>Reinforcing Steel</td>
<td>Lb.</td>
<td>349</td>
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</table>

(The quantities above are for one C.I.P. Light Pole Pedestal. The concrete quantity for the thickened junction slab is based on a 6" increase in thickness and a 5" wide retaining wall panel. Adjust thickened concrete quantity as required for raised sidewalks and sidewalks.)