**Plan**

**Communication or Sprinkler Control Conduits**

**Conduit in Bridge Railing**

**Notes:**
1. The maximum conduit sizes shown are for a straight run across the bridge without pull boxes.
2. In a bridge railing with lighting standards or pull boxes, reduce size of affected conduits as needed.

**Conduit Locations**

<table>
<thead>
<tr>
<th>TABLE A</th>
<th>2½&quot; or Less</th>
<th>3&quot;</th>
<th>3½&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROD</td>
<td>3/16&quot; #</td>
<td>5/32&quot; #</td>
<td>¼&quot; #</td>
</tr>
<tr>
<td>STRAP</td>
<td>0.006&quot; x 1&quot;</td>
<td>0.009&quot; x 1&quot;</td>
<td>0.0105&quot; x 1½&quot;</td>
</tr>
<tr>
<td>SUPPORT SPACING</td>
<td>10-0&quot;</td>
<td>10-0&quot;</td>
<td>10-0&quot;</td>
</tr>
</tbody>
</table>

**Conduit Support Details**

**Concrete Cradle**

- Under the first cradle support inside bridge near abutment or hinge, every 12 gage galvanized steel sheet 3"-4" x 1'-4" to the flush of cell. Do not secure cradle to steel sheet. Cradle shall be free to slide to accommodate lateral movement.

**Box Girder Conduit Support Details**

- Rod with 2 hex nuts and cast-in-place insert @ centers as shown in Table A.
- Use 5/32" x 1½" strap with 2-½" # galv bolts.

**Notes:**
1. Cradles to be precast concrete.
2. Secure all cradles to bottom slab of bridge with epoxy adhesive, except as provided below.

**Table A**

- Dimensions shown on Bridge Detail plans.
- For location see Bridge Detail plans.

**Details of electrical conduit system are to supplement those shown on the Road Plans.**

**Sprinkler Control Conduits**

**Communication and Sprinkler Control Conduits**

(State of California Department of Transportation)