NOTES:

1. On approach end provide Index No. 482 (as shown) or other site specific treatment, see Roadway Plans. For treatment of trailing end see Roadway Plans.

2. Actual joint dimension and orientation vary. For Intermediate Deck Joints use the Modified Post Spacing at Intermediate Deck Joints Detail, Index No. 470, Sheet 2, as required.

3. Areas where existing structure has been removed shall match adjoining areas and shall be finished flat by grouting or grinding as required. Exposed existing reinforcing steel shall be burned off 1" below existing concrete and grouted over.

CROSS REFERENCES:
For Section A-A see Sheet 2.
For Traffic Railing Notes and Details see Index No. 470.
**SECTION A-A**

**Typical Section Thru Railing on Bridge Deck**

* Shim with washers around Anchor Bolts and Anchors as required to maintain tolerance.

** Offset may vary ± 1" for Adhesive-Bonded Anchors and Anchor Bolts to clear existing curb reinforcing and provide minimum edge clearance. Offset shall be consistent along length of bridge.

**NOTE:** All bar dimensions are out to out.

---

**SECTION B-B**

**Typical Section Thru Railing Along Approach Slab**

(Schemes 5 and 6 Shown, Schemes 3 and 4 Similar)

---

**Bill of Reinforcing Steel**

<table>
<thead>
<tr>
<th>MARK</th>
<th>SIZE</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>4</td>
<td>3'-7&quot;</td>
</tr>
<tr>
<td>L</td>
<td>4</td>
<td>4'-1&quot;</td>
</tr>
<tr>
<td>M</td>
<td>4</td>
<td>2'-8&quot;</td>
</tr>
</tbody>
</table>

**Bar Bending Diagrams**

- **Dowel Bar 4D**
- **Dowel Bar 4L**
- **Bar 4M**

---

**Traffic Railing - (Thrie-Beam Retrofit)**

- **Wide Strong Curb Type 2**

---

**Cross References:**

For location of Section A-A see Sheet 1, 3 and 4.

For location of Section B-B see Sheet 4.

For location of View C-C see Sheet 4.

For Traffic Railing Notes see Details on Index No. 470.

For application of Dim. A see Post Dimension Table on Index 470, Sheet 3.
TRAFFIC RAILING - (THRIE-BEAM RETROFIT)

**SIDEWALKS OR INTEGRAL SIDEWALK LESS THAN 6" THICK**

**SCHEME 1**

- Provide Transition Block (as shown) if existing Approach Slab does not have a curb, see Roadway Plans: Shape and height of Transition Block or Curb shall match existing bridge curb. Transition Block may be omitted on trailing ends with no opposing traffic.

- Field bend Dowel Bars 4L within Transition Block as required to maintain 2" top and side clearance and 3" bottom clearance.

**SCHEME 2**

- Provide Transition Block (as shown) or Curb if existing Approach Slab Curb does not extend to end of Approach Slab. Shape and height of Transition Block or Curb shall match existing bridge curb. Transition Block may be omitted on trailing ends with no opposing traffic and on bridges with flared Approach Slab Curb.

- Field bend or tilt Dowel Bars 4D and Bars 4M within Transition Block as required to maintain 2" top and side clearance and 3" bottom clearance.