CROSS REFERENCES:
For Section A-A see Sheet 2.
For Traffic Railing Notes and Details see Index 460-470.

NOTES:
1. On approach end provide Index 536-002 (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 460-470, 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.

TYPICAL TREATMENT OF RAILING ALONG BRIDGE
Dowel Bars 4D (10” Embedment) (See Note 2, Sheet 4)

Edge of Existing Approach Slab

Asphalt Overlay when present (Varies)

Match shape of existing curb

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.

SECTION A-A
TYPICAL SECTION THRU RAILING ON BRIDGE DECK

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>
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<th>LENGTH</th>
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<tr>
<td>D</td>
<td>4</td>
<td>3'-7&quot;</td>
</tr>
<tr>
<td>L</td>
<td>4</td>
<td>3'-1&quot;</td>
</tr>
<tr>
<td>M</td>
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Dowel Bar 4D

Dowel Bar 4L

BAR BENDING DIAGRAMS

NOTE: All bar dimensions are out to out.

VIEW C-C

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 and Details see Index 460-470.
For application of Dim. A see Post Dimension Table on Index 460-470, Sheet 3.
**DESCRIPTION:**

Sheets:

Dowel Bars 4L (10" Embedment)

**PARTIAL PLAN OF RAILING**

3'-0" Transition Block (See Note 1, Sheet 1)

Guardrail Post Assembly (Type Varies)

Dowel Bars 4L (10" Embedment)

**RAILWAY END TREATMENT FOR WIDE STRONG CURB TYPE 2**

TRAFFIC RAILING - (THRIE-BEAM RETROFIT)

**SCHEMES 3 AND 4**

RAILWAY END TREATMENT FOR FLARED INTEGRAL CURBS

**PARTIAL ELEVATION OF INSIDE FACE OF RAILING**

(Existing Wing Post and Traffic Railing not shown for clarity)

**SCHEMES 5 AND 6**

RAILWAY END TREATMENT FOR PARALLEL INTEGRAL CURBS

**NOTES:**

1. Provide Transition Block (as shown) or Curb if existing Approach Slope Curb does not extend to end of Approach Slope. 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.

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