**DESCRIPTION:**

SHEET

07/01/13

As noted for skewed deck joints

Joints (Typ. on bridge except

Bars 6D spacing at Railing

Reinforcing Steel not encased in new concrete shall be burned off 1" below existing

adjoining areas and finish flat by grouting or grinding as required. Exposed existing

reinforcing steel not encased in new concrete shall be burned off 1" below existing

concrete and grooved over.

**NOTES:**

1. On approach end provide a Roadway Guardrail Transition, Index 536-002 (as

shown) or other site specific treatment. See Roadway Plans for limiting station

of Roadway Guardrail Transition or other site specific treatment. If limiting station

of Roadway Guardrail Transition is on the bridge, attach Thrie-Beam Terminal

Connector to railing as shown above. If limiting station of Roadway Guardrail

Transition is along the Wing Wall, see Schemes 2 or 3, Index 521-484, Sheet

2 and 3. On warped or skewed bridges, if the skew along the deck joint extends across

the width of the railing, the 2'-6" minimum dimension shall apply to both the front

and back face of the railing. For treatment of transition and see Roadway Plans. If

vertical face retrofit extends beyond bridge and approach slab ends, see Index

521-484 for treatment and Details.

2. Field cut Bars 6D to maintain clearance within Vertical Face

Retrofit Railing.

3. Where existing structure has been removed and not encased in new concrete, match

adjacent areas and finish flat by grooving or grinding as required. Exposed existing

reinforcing steel not encased in new concrete shall be burned off 1" below existing

concrete and grooved over.

**REFERENCES:**

For General Notes, Estimated Quantities, Dowel

Details, Expansion Dowel Detail, Reinforcing Steel

Notes & Bending Diagrams see Index 521-480.

**CROSS REFERENCE:**

TRAFFIC RAILING - (VERTICAL FACE RETROFIT)

NARROW CURB

**PARTIAL ELEVATION OF INSIDE FACE OF RAILING**

(Expansion Dowel Assemblies & Bars 4C not shown for clarity)

**TYPICAL TREATMENT OF RAILING ALONG BRIDGE**

**TYPICAL SECTION THRU RAILING ON FULL DEPTH CURB (BRIDGE SHOWN, WING WALL SIMILAR)**

**SECTION AA**

**PARTIAL PLAN OF RAILING**

**CROSS REFERENCE:**

For General Notes, Estimated Quantities, Dowel

Notes & Bending Diagrams see Index 521-480.
SCHEME 1 NOTES:
1. Provide Transition Block (as shown) or Curb 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. Railing End Transition and 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.

SCHEME 2 NOTES:
1. See Roadway Plans for limiting station of Roadway Guardrail Transition or other site specific treatment. If limiting station of Roadway Guardrail Transition is on the bridge, see Index 521-481, Sheet 1. On skewed bridges, if the skew along the deck joint extends across the width of the railing, the 2'-6" minimum dimension shall apply to both the front and back face of the railing.
2. Provide Transition Block (as shown) or Curb 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. Railing End Transition and Transition Block may be omitted on trailing ends with no opposing traffic.
3. Field bend Dowel Bars 4L within Transition Block as required to maintain 2" top and side clearance and 3" bottom clearance.
SCHEME 3 NOTE:

1. See Roadway Plans for limiting station of Roadway Guardrail Transition or other site specific treatment. If limiting station of Roadway Guardrail Transition is along the Wing Wall, attach Thrie-Beam Terminal Connector to railing as shown above. If limiting station of Roadway Guardrail Transition is on the bridge, see Sheet 1.

PARTIAL ELEVATION OF INSIDE FACE OF RAILING
(Railing Reinforcing and Expansion Dowel Assemblies not shown for clarity)

SCHEME 3
RAILING END TREATMENT FOR FLARED WING WALLS