

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

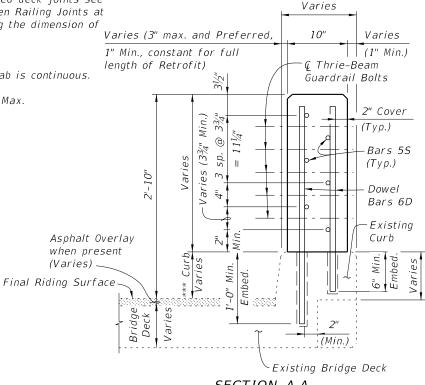
reinforcing steel not encased in new concrete shall be burned off 1" below existing

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

Non skewed deck joint shown, actual joint dimensions and orientation vary. For treatment at skewed deck joints see Skew Detail, Index No. 480. Provide open Railing Joints at Deck Expansion Joint locations matching the dimension of the Deck Joint.

** Provide 3/4" Intermediate Open Joints at: (1) - Superstructure supports where slab is continuous.

*** Curb heights vary from 5" Min. to 1'-2" Max.



SECTION A-A TYPICAL SECTION THRU RAILING ON CURB WITH CORBELS

CROSS REFERENCE:

For General Notes, Estimated Quantities, Dowel Detail, Expansion Dowel Detail, Reinforcing Steel Notes & Bending Diagrams see Index No. 480.

Varies Varies (3" max. and Preferred, 10" Varies 1" Min., constant for full (1" Min.) *length of Retrofit)* ← Thrie-Beam Guardrail Bolts 2" Cover (Typ.)@ 17 (3¾" Bars 55 (Typ.)Dowel Bars 6D Existina Asphalt Overlay Curb when present (Varies) Min. Final Riding Surface Bridge Deck Existing Bridge Deck

TYPICAL SECTION THRU EXISTING TRAFFIC RAILING SHOWING LIMITS OF REMOVAL

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

(BRIDGE DECK SHOWN, WING WALL SIMILAR)

REVISION 07/01/13

concrete and grouted over.

DESCRIPTION:

FDOT

TRAFFIC RAILING - (VERTICAL FACE RETROFIT) NARROW CURB

INDEX NO. 481

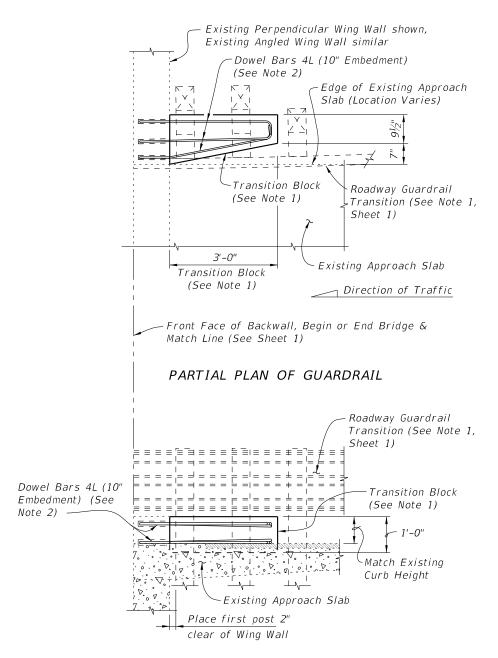
SHEET NO. 1 of 3

FY 2016-17 DESIGN STANDARDS



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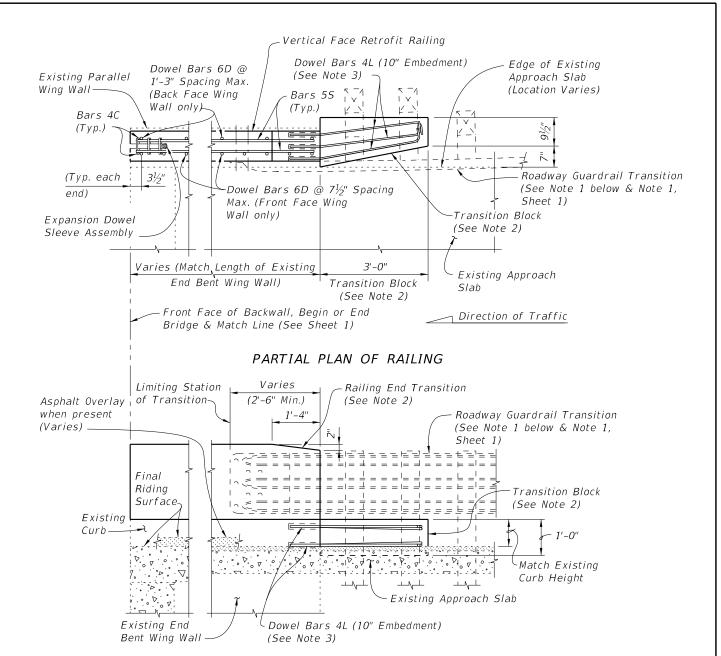
PARTIAL ELEVATION OF INSIDE FACE OF GUARDRAIL

== SCHEME 1 ====== RAILING END TREATMENT FOR PERPENDICULAR OR ANGLED WING WALLS

SCHEME 1 NOTES:

DESCRIPTION:

- 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.

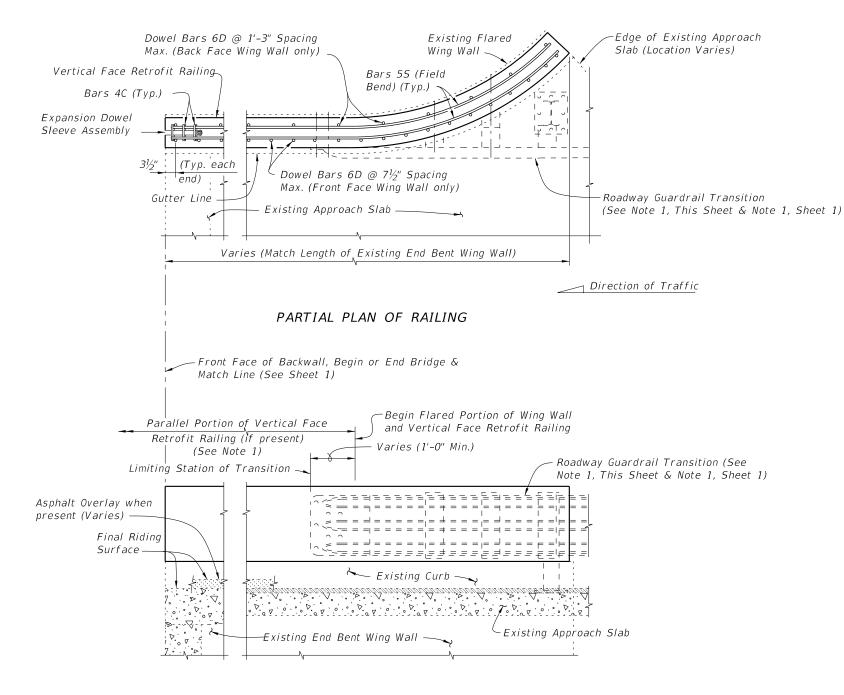


PARTIAL ELEVATION OF INSIDE FACE OF RAILING (Railing Reinforcing and Expansion Dowel Assemblies not shown for clarity)

____ SCHEME 2 _____ RAILING END TREATMENT FOR PARALLEL WING WALLS

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 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 Index No. 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.



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

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

DESCRIPTION: LAST **REVISION** 07/01/07