

PARTIAL ELEVATION OF INSIDE FACE OF RAILING

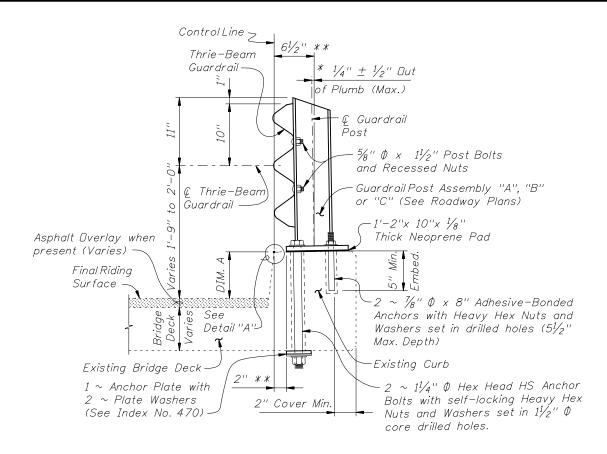
TYPICAL TREATMENT OF RAILING ALONG BRIDGE

NOTES:

- 1. On approach end provide Index No. 402 (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 removed off 1" below existing concrete and grouted over.

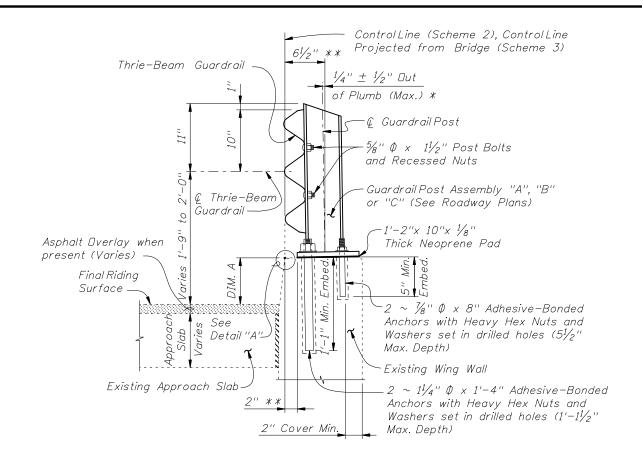
CROSS REFERENCES:
For Section A-A see Sheet 2.
For Traffic Railing Notes and Details
see Index No. 470.





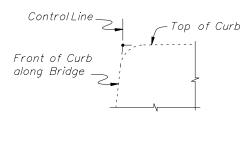
SECTION A-A TYPICAL SECTION THRU RAILING ON BRIDGE DECK

BILL OF REINFORCING STEEL			BAR BENDING DIAGRAMS
MARK	SIZE	LENGTH	4''
А	4	AS REQUIRED	$\widehat{\sim}$
D	4	1'-11''	11-2" Note
L	4	4'-1''	See \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Length as Required			Dowel Bar 4D (Standard 180° Hook)
BAR 4A NOTES: 1 . All bar dimensions are out to out. 2. The 1'-2" vertical dimension shown for			3'-8"
Bar 4D is based on a curb height of 9'' If curb height is less or more than 9'', decrease or increase this dimension by an amount equal to the difference in cur height.			DOWEL BAR 4L

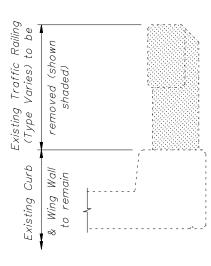


SECTION B-B
TYPICAL SECTION THRU RAILING ALONG APPROACH SLAB
(SCHEME 2 SHOWN, SCHEME 3 SIMILAR)

- *Shim with washers around Anchors as required to maintain tolerance.
- **
 Offset may vary ± 1" for Adhesive-Bonded Anchors
 to clear existing curb reinforcing and provide
 minimum edge clearance. Offset shall be consistent
 along length of bridge.



DETAIL "A"



TYPICAL SECTION THRU EXISTING TRAFFIC RAILING SHOWING LIMITS OF REMOVAL (BRIDGE DECK SHOWN, WING WALL SIMILAR)

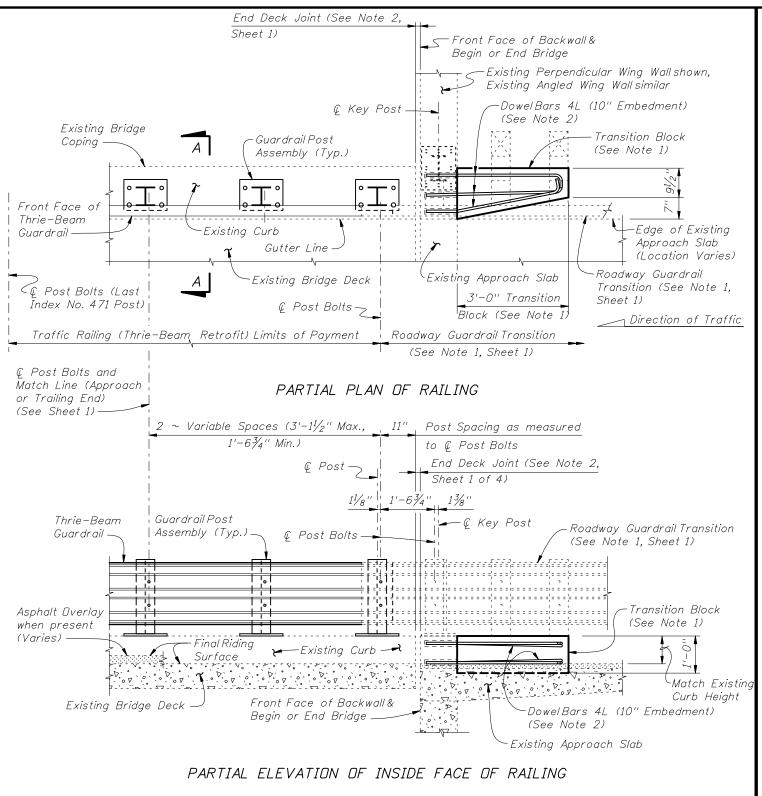
CROSS REFERENCES:

For location of Section A-A see Sheets 1, 3 & 4.
For location of Section B-B see Sheets 3 & 4.
For application of Dim. A see Post Dimension Table on Index 470, Sheet 3.



2010 FDOT Design Standards

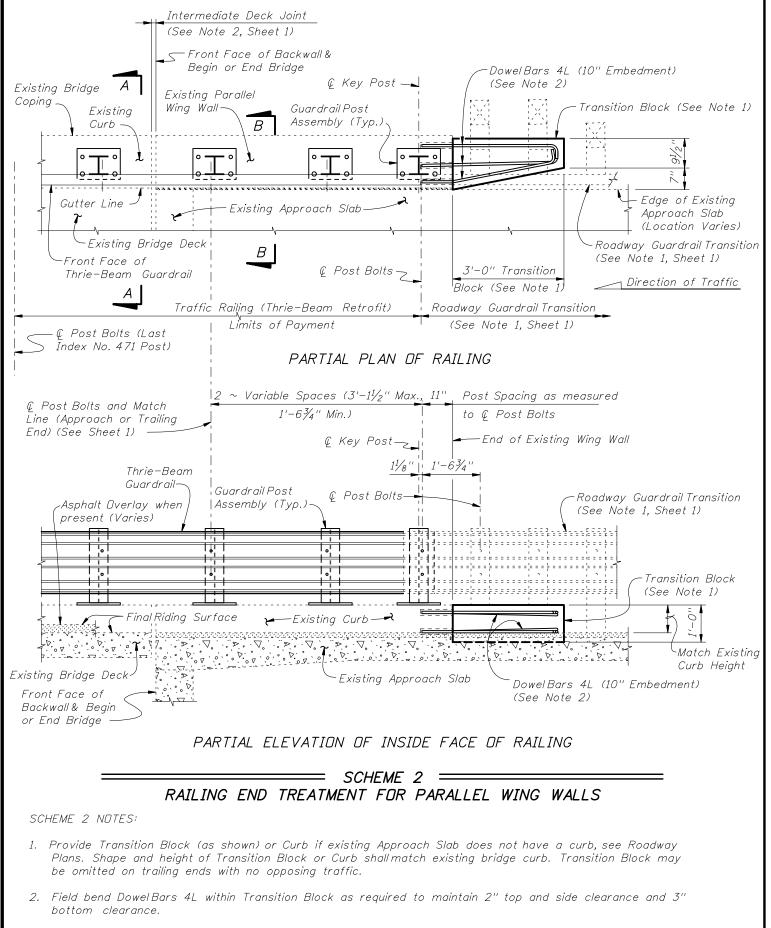
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RAILING END TREATMENT FOR PERPENDICULAR OR ANGLED WING WALLS

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. 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.



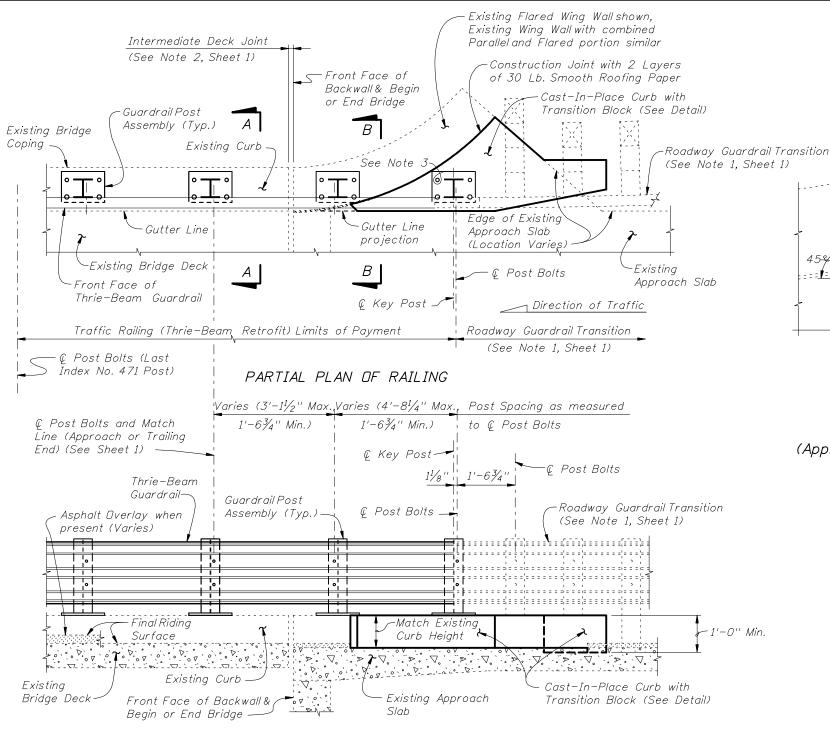


2010 FDOT Design Standards

TRAFFIC RAILING - (THRIE-BEAM RETROFIT)
NARROW CURB

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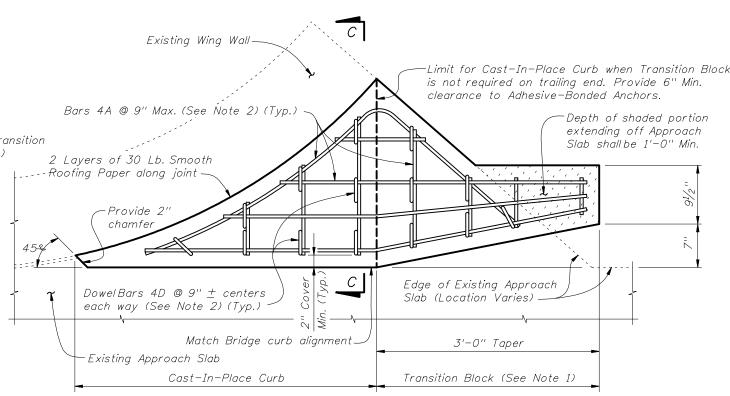


PARTIAL ELEVATION OF INSIDE FACE OF RAILING

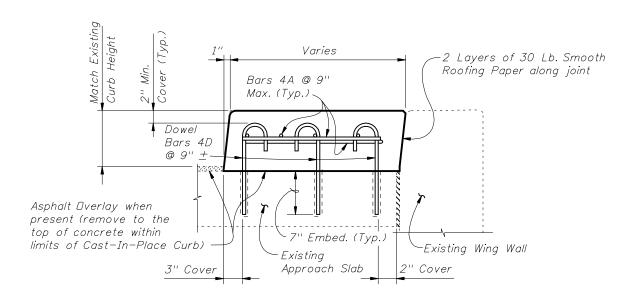
RAILING END TREATMENT FOR FLARED WING WALLS

SCHEME 3 NOTES:

- Provide Cast-In-Place Curb as shown. Shape and height of Transition Block and Curb shall match existing bridge curb.
 Transition Block may be omitted on trailing ends with no opposing traffic.
- 2. Field cut and bend Bars 4A and rotate DowelBars 4B within Curb and Transition Block as required to maintain 2" top and side clearance and 3" bottom clearance.
- 3. A single 1/8" Ø x 8" Adhesive-Bonded Anchor may be omitted as shown when 2" clear cover cannot be provided.



PLAN OF CAST-IN-PLACE CURB & TRANSITION BLOCK DETAIL (Approach End with Transition Block Shown, Trailing End without Transition Block Similar)



SECTION C-C

