

PARTIAL ELEVATION OF INSIDE FACE OF RAILING

(Existing Traffic Railing not shown for clarity)

= TYPICAL TREATMENT OF RAILING ALONG BRIDGE ======

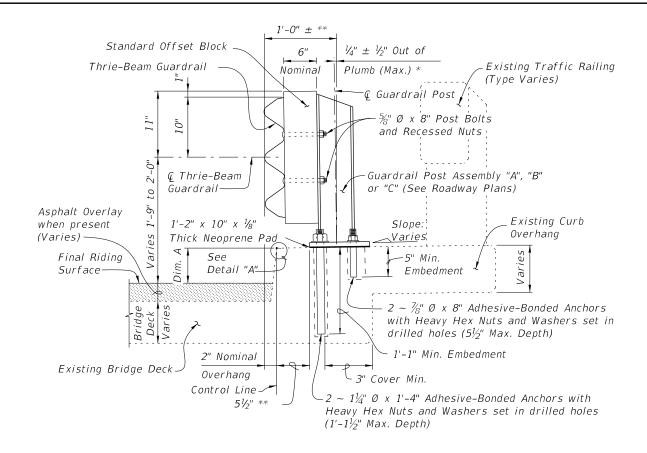
- 1. On approach end provide Index No. 402 (as shown) or other site specific treatment, see Roadway Plans. For treatment of trailing end see Roadway Plans.
- 2. Actual joint dimension and orientation vary. For Intermediate Deck Joints use the Modified Post Spacing at Intermediate Deck Joints Detail, 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 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.

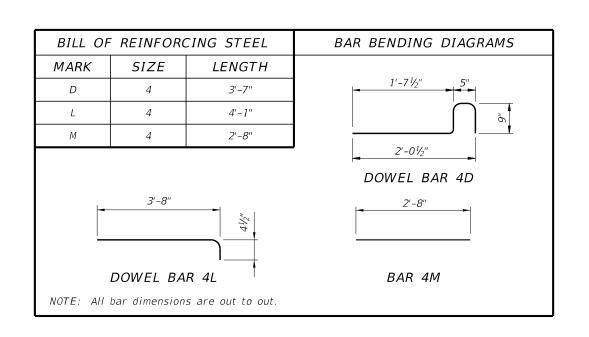
REVISION 01/01/08

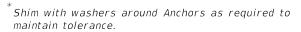
DESCRIPTION:

2016 **DESIGN STANDARDS**



SECTION A-A TYPICAL SECTION THRU RAILING ON BRIDGE DECK





Match Front Face of

Asphalt Overlay

Final Riding

when present

Surface

Approach

Slab Varies

Schemes 3 & 4 - Overhang Varies

Schemes 5 & 6 - 2" Nominal Overhang

Control Line (Schemes 5 & 6) -

Control Line (Projected from

Bridge) (Schemes 3 & 4) -

(Varies)

Thrie-Beam Guardrail along Bridge

Offset Block(s) as required

Thrie-Beam

Guardrail-

♀ Thrie-Beam

1'-2" x 10" x 1/8"

Thick Neoprene Pad See

Detail "A'

-Existing

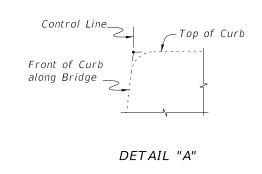
Approach

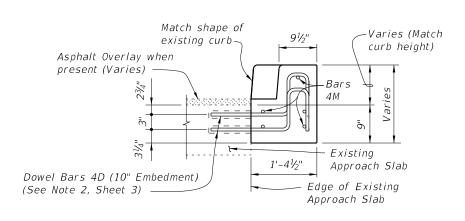
Slab

Varies 51/3" **

Guardrail-

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.





VIEW C-C

CROSS REFERENCES:

Varies **

 $(1'-0'' \pm Min.)$

 $\frac{1}{4}$ " $\pm \frac{1}{2}$ " Out of

Plumb (Max.) *

-Ç Guardrail Post:

and Recessed Nuts

Slope:

Embedment

<u>___Varie</u>s

_5" Min.

└ 3" Cover Min.

SECTION B-B

TYPICAL SECTION THRU RAILING ALONG APPROACH SLAB (SCHEMES 5 AND 6 SHOWN, SCHEMES 3 AND 4 SIMILAR)

Depth respectively)

%" Ø Post Bolts (length varies)

-Guardrail Post Assembly "A", "B"

Existing Curb Overhang

 $\sim \frac{7}{8}$ " Ø x 8" Adhesive-Bonded Anchors

with Heavy Hex Nuts and Washers set in

 $2 \sim 1\frac{1}{4}$ " Ø x 1'-4" (1'-1" Min. Embed. Schemes 3 & 5)

or $2 \sim 1\frac{1}{4}$ " Ø x 8" (5" Min. Embed. Schemes 4 & 6)

Adhesive-Bonded Anchors with Heavy Hex Nuts and

Washers set in drilled holes $(1'-1\frac{1}{2}'')$ or $5\frac{1}{2}''$ Max.

drilled holes (5½" Max. Depth)

or "C" (See Roadway Plans)

Existing Wing Post

Existing Wing

(Type Varies)

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

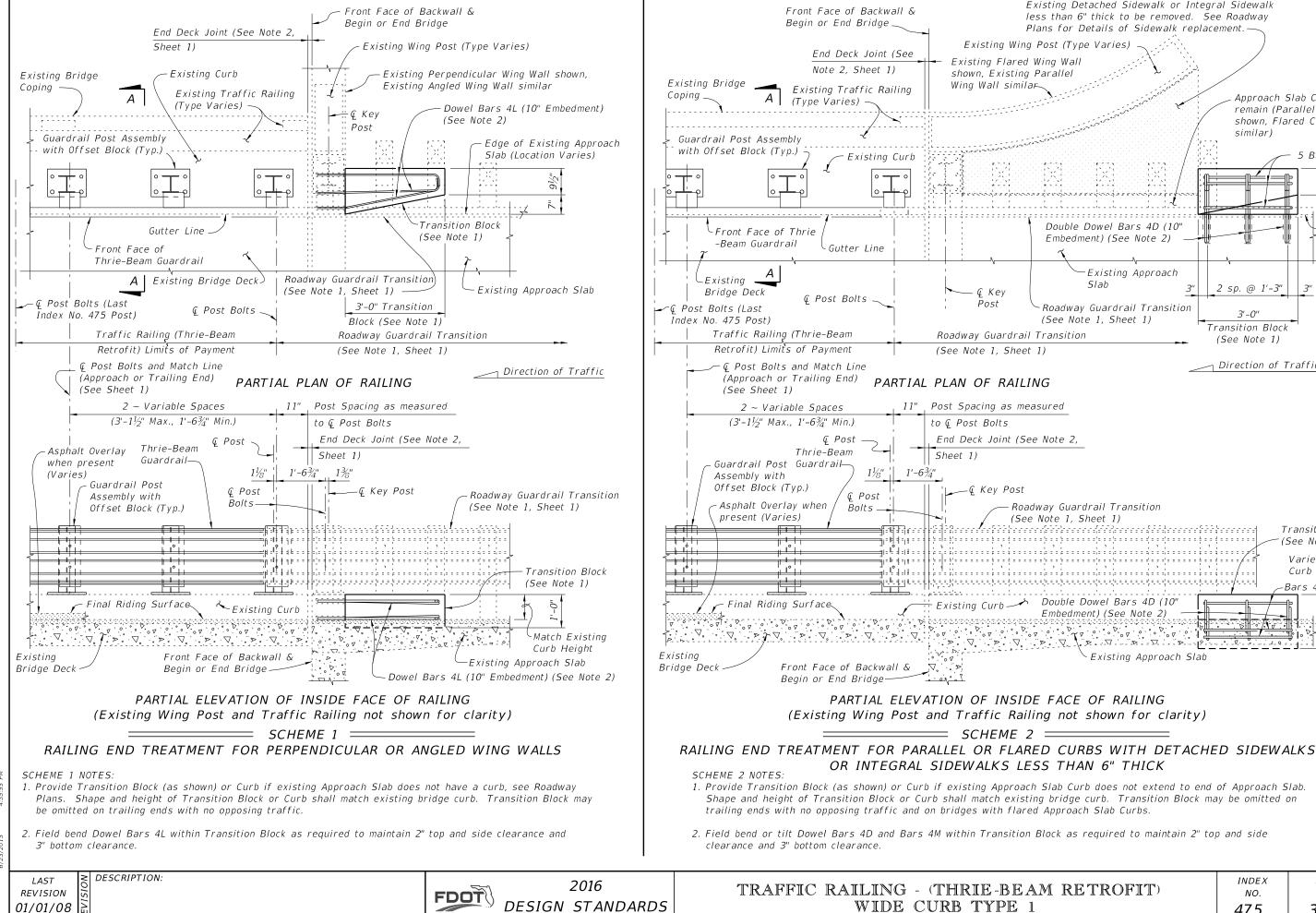
For location of Section B-B see Sheet 4.

For location of View C-C see Sheet 3.

For application of Dim. A see Post Dimension Table on Index 470, Sheet 3.

DESCRIPTION: REVISION 01/01/08





TRAFFIC RAILING - (THRIE-BEAM RETROFIT) WIDE CURB TYPE 1

INDEX NO. 475

Approach Slab Curb to

С

9½"

Edge of

Existing

Approach

(Location

С

Varies)

Slab

Transition Block

Varies (Match

Curb Height)-

(See Note 1)

-Bars 4M

5 Bars 4M

remain (Parallel Curb

shown, Flared Curb

similar)

2 sp. @ 1'-3"

Transition Block

(See Note 1)

→ Direction of Traffic

NO. 3 of 4

SHEET

