

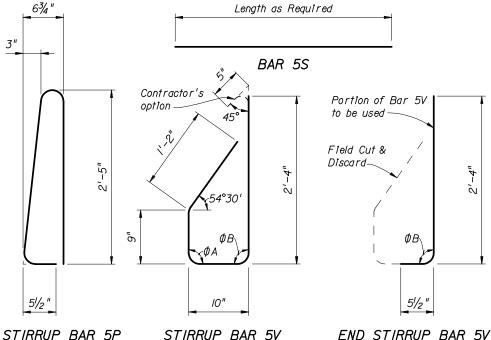
- I. At the option of the Contractor Welded Wire Fabric (WWF) may be utilized in lieu of all Bars 5P. 5S and 5V. Welded Wire Fabric shall conform to ASTM A497.
- 2. Welded Wire Fabric at Railing End Transition shall be field bent inward as required (Pieces I & 2) to maintain cover. The vertical wires (D30.7) in Piece I shall be cut as shown and the gutter side portion bent inward as required to allow placement.

CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

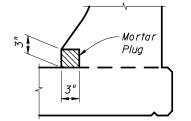
| BILL OF REINFORCING STEEL | | | | | |
|---------------------------|------|----------|--|--|--|
| MARK | SIZE | LENGTH | | | |
| Ρ | 5 | 5'-7" | | | |
| S | 5 | AS REQ'D | | | |
| V | 5 | 5'-/" | | | |

| LOW GUTTER | | HIGH GUTTER | |
|------------|------------------|-------------------------|-------------------------------------|
| ΦA | ΦB | ØΑ | ΦB |
| 90° | 90° | 90° | 90° |
| 93° | 87° | 87° | 93° |
| 96° | 84° | 84° | 96° |
| | φA 90° 93° | φ A φ B 90° 90° 93° 87° | φ A φ B φ A 90° 90° 90° 93° 87° 87° |

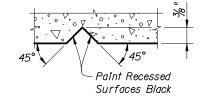
 ϕA and ϕB shall be 90° if Contractor elects to place Railing perpendicular to the Deck.



- REINFORCING STEEL NOTES.
- I. All bar dimensions in the bending diagrams are out to out. 2. The 9" and the 2'-4" vertical dimensions shown for Bar 5V are based on a bridge deck without a raised sidewalk. If a raised sidewalk is to be provided, increase these dimensions to achieve a 6" minimum embedment into the bridge deck. See Structures Plans, Superstructure and Approach Slab Sheets.
- 3. The reinforcement for the railing on a retaining wall shall be the same as detailed above for a 8" deck with $\Phi A = \Phi B = 90^{\circ}$
- 4. All reinforcing steel at the open joints shall have a 2" minimum cover.
- 5. Bars 5S may be continuous or spliced at the construction joints. Bar splices for Bars 5S shall be a minimum of 2'-0".



DETAIL "B" - SECTION AT INTERMEDIATE OPEN JOINT



SECTION THRU RECESSED "V" GROOVE TO FORM INSCRIBED LETTERS AND FIGURES

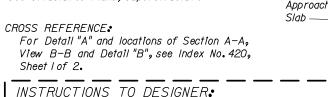
NOTE.

At Intermediate Open Joints, the lower 3" portion of the open joint shall be plugged by filling it with mortar in accordance with Section 400 of the Specifications.

* Where railings of adjacent bridges are to be built back to back, the outside vertical plane of the railing and deck may coincide along a plane centered 1'-6" from each gutter line. A bond breaker will be required. See Structures Plans, Superstructure Sheets for Details.

ESTIMATED TRAFFIC RAILING QUANTITIES UNIT ITEM QUANTITY C.Y./FT 0.104 Concrete Reinforcing Steel LB./FT. 27.12

(The above quantities are based 2% deck cross slope, railing on low side of deck.)



To Be Field Cut

(One Required per

Railing End Transition)

| FLOO | 2006 FDOT Design Standards | Last | She |
|------|--|--------------|-------|
| | For Bridge Decks up to a maximum thickness of 9", the two Bars 5S placed in the Bridge Deck may sub- longitudinal deck steel located within the limits of Bars 5V, provided that the total area of longitudinal dec the railing, as required by calculation, is not reduced. Show these bars on the Structures Plans, Supers with the deck steel. | ck steel ber | neath |
| | INSTRUCTIONS TO DESIGNER. | | |

Future

Asphalt

Overlay:

Asphalt Overlay



TRAFFIC RAILING - (32" F SHAPE)

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/'-6"

21/4"

5"

3" Clear

SECTION A-A

TYPICAL SECTION THRU TRAFFIC RAILING (SECTION THRU BRIDGE DECK SHOWN -

SECTION THRU APPROACH SLAB SIMILAR)

31/4"

3" Clear

(Sides)

Riding

Surface-

VIEW B-B

∇hrie Beam

Guardrail Bolts

with Overlay)

2'-6" (Min. 1 Future Asphalt (

Ñ

1'-2"

103/4"

Bars 5P @ 8" Sp.

Const. Joint

Bars 5V

@ 8" SD.

Bars 5S

Required -

Future Asphalt \Bridge Deck

Overlay 0

2'-6" (Min. v uture Asphalt C

103/4"

6" 61/2"

-Bars 5S

 (Typ_{\bullet})

11/4" *

3" Clear

2" Clear (Top)

Bars 5P (See

Detail "A" for

bar spacings)

Rotate Bars 5V as

for bar spacings)

Bars 5S (Field Bend as Reg'd)

shown (See Detail "A"

Const. Joint Required

6" Min Embed.

Edge of Approach

Slab (Copina) *

-Bars 5S (Typ.)

End Bar 5V

(Field Cut)

Deck

Bridge

Min

Coping