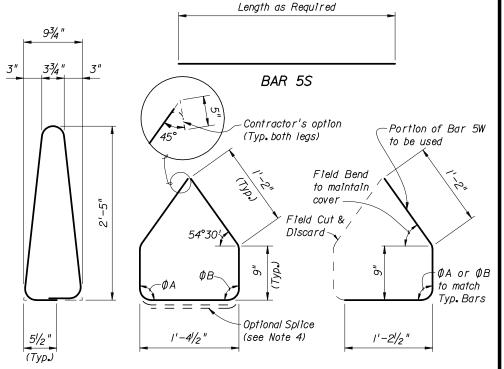


CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

BILL OF REINFORCING STEEL			
MARK	SIZE	LENGTH	
R	5	6'-1"	
S	5	AS REQ'D	
W	5	5'-3"	

ON SLOPE		AT CROWN	
ØΑ	ΦB	ØΑ	ΦB
90°	90°	90°	90°
93°	87°	90°	90°
96°	84°	90°	90°
	φA 90° 93°	ΦA ΦB 90° 90° 93° 87°	

 ϕ A and ϕ B shall be 90° if Contractor elects to place Railing perpendicular to the Deck.



REINFORCING STEEL NOTES.

STIRRUP BAR 5R

- I. All bar dimensions in the bending diagrams are out to out.
- 2. All reinforcing steel at the open joints shall have a 2" minimum cover.

STIRRUP BAR 5W

- 3. Bars 5S may be continuous or spliced at the construction joints. Bar splices for Bars 5S shall be a minimum of 2'-0".
- 4. At the Contractor's option, Bars 5W may be fabricated as a two piece bar with a l'-2" lap splice of the bottom legs.

I. At the option of the Contractor Welded Wire Fabric may be utilized in lieu of all Bars 5R, 5S and 5W. Welded Wire Fabric shall conform to ASTM A497. 2. Welded Wire at Railing End Transition shall be field bent inward as required (Pieces 1 & 2) to maintain cover. The top of Piece I shall be cut to allow overlap. 3. Place WWF panels so as to minimize the end overhang of longitudinal wires at Railing

Ends and Open Joints. Overhangs greater than 6" are not permitted.

3" (Typ.) Mortar

DETAIL "B" - SECTION

AT INTERMEDIATE OPEN JOINT

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.

ESTIMATED TRAFFIC RAILING **QUANTITIES**

ITEM	UNIT	QUANTITY	
Concrete	C.Y./FT.	0,120	
Reinforcing Steel	LB•/FT•	23 . 29	

(The above quantities are based on a crowned roadway, with a 2% cross slope)

CROSS REFERENCE.

For Detail "A" and locations of Section A-A, View B-B and Detail "B" location, see Index No. 421, Sheet I of 2.

INSTRUCTIONS TO DESIGNER.

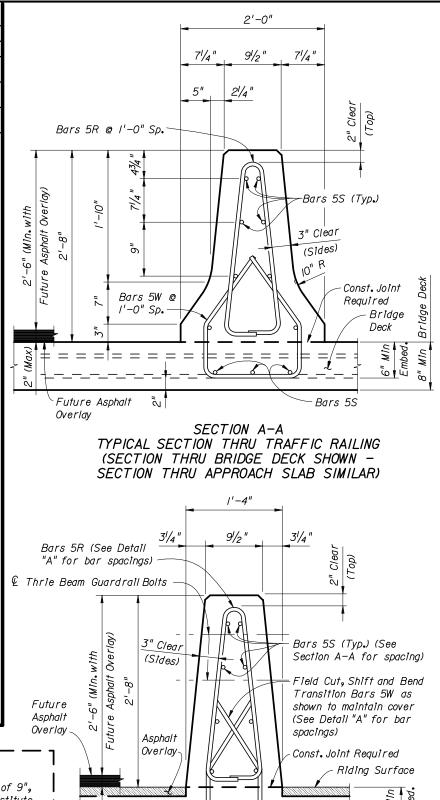
For Bridge Decks up to a maximum thickness of 9", the three Bars 5S placed in the deck may substitute for the longitudinal deck steel located within the limits of Bars 5W, provided that the total area of longitudinal deck steel beneath the railing, as required by calculation, is not reduced. Show these bars on the Structures Plans, Superstructure Sheets with the deck steel.

TRANSITION STIRRUP BAR 5W

To Be Field Cut and Bent

(10 required per Railing

End Transition)





2006 FDOT Design Standards

Approach Slab

Sheet No. 07/01/05 2 of 2

VIEW B-B

Bars 5S

Index No. 421

E1 6

TRAFFIC RAILING - (MEDIAN 32" F SHAPE)