

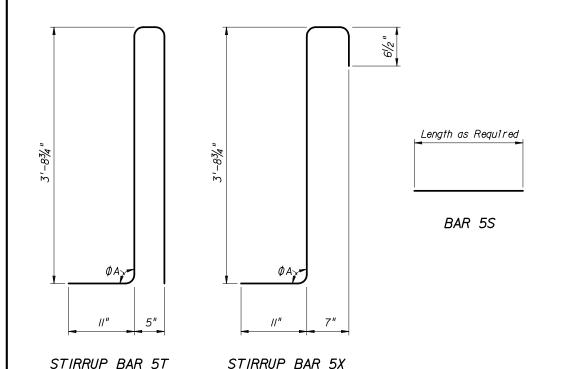
TRAFFIC RAILING - (32" VERTICAL SHAPE)

423

CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

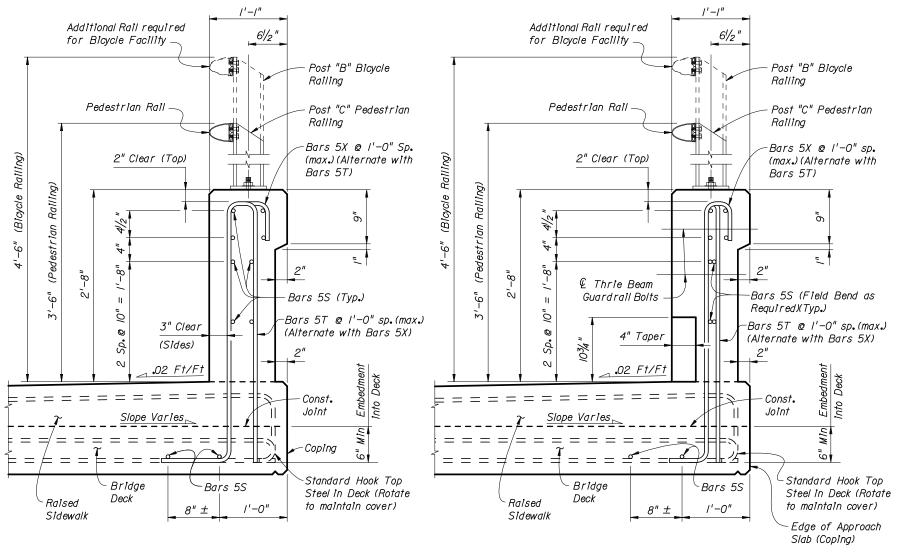
BILL OF REINFORCING STEEL			
MARK	SIZE	LENGTH	
S	5	AS REQ'D	
Τ	5	9'-0"	
X	5	5'-10"	

ROADWAY CROSS-SLOPE	ФА		
	LOW GUTTER	HIGH GUTTER	
0% to 2%	90°	90°	
2% to 6%	87°	93°	
6% to 10%	84°	96°	



REINFORCING STEEL NOTES.

- I. All bar dimensions in the bending diagrams are out to out.
- 2. The $3'-8\frac{3}{4}$ " vertical dimensions shown for Bars 5T and 5X are based on a bridge deck with a 6" thick x 6' wide raised sidewalk at low side of deck, 2% deck cross slope and a counter 2% raised sidewalk cross slope. If the raised sidewalk thickness, width or cross slopes vary from the above amounts, adjust these vertical dimensions accordingly to achieve a 6" minimum embedment into the bridge deck.
- 3. The reinforcement for the railing on a retaining wall shall be the same as detailed with $\phi A = 90^{\circ}$.
- 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'-2''.
- 6. The Contractor may utilize Welded Wire Fabric when approved by the Engineer. Welded Wire Fabric shall conform to ASTM A497.



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

VIEW B-B APPROACH SLAB END VIEW OF TRAFFIC RAILING

NOTES. For Post "B", Post "C" and Rail Details, see Index No. 822.

CROSS REFERENCE.

For location of Section A-A, View B-B and Detail "A", see Index No. 423, Sheet I of 2.

INSTRUCTIONS TO DESIGNER.

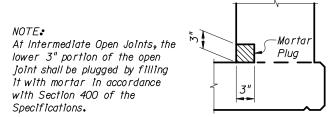
For Bridge Decks up to a maximum thickness of 9", the two Bars 5S placed in the Bridge Deck may substitute for the longitudinal deck steel located within the limits of Bars 5T, provided that the total area of longitudinal steel beneath the railing, as required by calculation, is not reduced. Show these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

ESTIMATED TRAFFIC RAILING **QUANTITIES** UNIT QUANTITY ITEM Concrete C.Y./FT. 0.095 LB./FT.

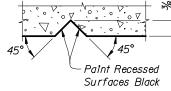
Reinforcing Steel

(The above quantities are based on a 6" thick x 6' wide raised sidewalk at low side of deck, 2% deck cross slope and counter 2% sidewalk cross slope.)

25,90



DETAIL "A" - SECTION AT INTERMEDIATE OPEN JOINT



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



2006 FDOT Design Standards

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