

Vertical Face Guide, 42"

CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

BILL OF REINFORCING STEEL		
MARK	SIZE	LENGTH
S	5	AS REQ'D
T	5	10'-9"
X	5	6'-9"

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

STIRRUP BAR 5T **STIRRUP BAR 5X**

TRANSITION STIRRUP BARS 5T
To Be Field Cut (5 of each required per Barrier End Transition)

TRANSITION STIRRUP BARS 5X
To Be Field Cut (5 of each required per Barrier End Transition)

REINFORCING STEEL NOTES:

- All bar dimensions in the bending diagrams are out to out.
- The 4'-0 3/4" vertical dimension shown for Bars 5T and 5X is based on a bridge deck with a 6" thick x 6" wide raised sidewalk on low side of deck, 2% deck cross slope and a counter 2% raised sidewalk cross slope. If the raised sidewalk thickness, width or cross slope vary from the above amounts, adjust this dimension accordingly to achieve a 6" minimum embedment into the bridge deck. See Superstructure and Approach Slab Sheets.
- The reinforcement for the barrier on a retaining wall shall be the same as detailed above with ØA = 90".
- All reinforcing steel at the open joints shall have a 2" minimum cover.
- Bars 5S may be continuous or spliced at the construction joints. Bar splices for Bars 5S shall be a minimum of 2'-2".
- The Contractor may utilize Welded Wire Fabric when approved by the Engineer. Welded Wire Fabric shall conform to ASTM A487.

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.

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

VIEW B-B
APPROACH SLAB END VIEW OF TRAFFIC RAILING BARRIER

ESTIMATED TRAFFIC RAILING BARRIER QUANTITIES

ITEM	UNIT	QUANTITY
Concrete	CY/FT.	6,445
Reinforcing Steel	LB/FT.	30,628

(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)

CROSS REFERENCE:
For location of Section A-A, Detail "A" and View B-B, see index No. 720, Drawing 1 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 barrier as required by calculation is not reduced. Show these bars on the Superstructure Sheets with the deck steel.

DETAIL "A" - SECTION AT INTERMEDIATE OPEN JOINT

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

BRIDGE NO. XXXXXX

DATE	DESCRIPTION	BY	CHECKED BY	REVISION
12-20-01	Standard Drawing Issue Date			

DATE	BY	FOR
5-00	WJM	ENGINEER OF RECORD
5-00	CEB	DESIGNED BY
5-00	CEB	CHECKED BY
5-00	WJM	APPROVED BY

ENGINEER OF RECORD:
SERAFIM J. JENSEN, CHECKED
CENTRAL OFFICE
401 Newhouse Street, Suite 33
Tallahassee, Florida 32309-0430

FLORIDA DEPARTMENT OF TRANSPORTATION

TRAFFIC RAILING BARRIER - (42" VERTICAL SHAPE)
INDEX NO. 720 (DRAWING 2 OF 2)

SHEET NO.