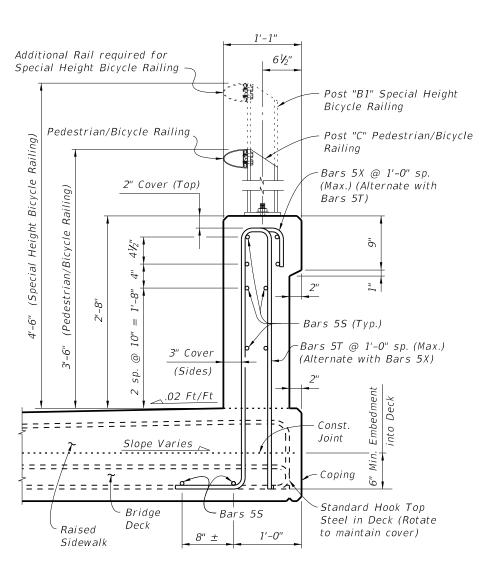


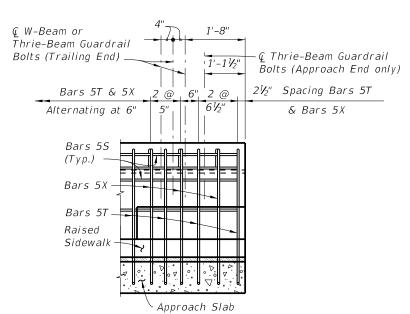
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# SECTION A-A TYPICAL SECTION THRU TRAFFIC RAILING SECTION THRU BRIDGE DECK SHOWN

Omit Railing End Taper and Guardrail if Concrete Barrier Wall is used beyond the Approach Slab. See Structures Plans, Plan and Elevation Sheet and Roadway Plans. If Railing End Taper is omitted, extend Typical Section to the end of the Approach Slab. Begin placing Railing Bars 5T and 5X on Approach Slab at the railing end and proceed toward Begin or End Bridge to ensure placement of guardrail bolt holes. If required, adjustments to the bar spacing for Bars 5T and 5X shall be made immediately adjacent to Begin or End Bridge. Shift and rotate Bars 5T and 5X on Approach Slab in end taper section as required to maintain cover.



VIEW B-B APPROACH SLAB END VIEW OF TRAFFIC RAILING

8" ±

Bars 5S

1'-0"

1'-1"

6½"

Post "B1" Special Height

Post "C" Pedestrian/Bicycle

Thrie-Beam Guardrail

Bolts (Trailing End)

Ç Thrie−Beam Guardrail Bolts (Approach End)

Bicycle Railing

-Bars 5X @ 1'-0" sp.

-Bars 5S (Field Bend as

-Bars 5T @ 1'-0" sp. (Max.)

Standard Hook Top

to maintain cover)

Edge of Approach Slab (Coping)

Steel in Deck (Rotate

(Alternate with Bars 5X)

Required) (Typ.)

Const.

Joint

(Max.) (Alternate with

Railing

Bars 5T)

Additional Rail required for

Bicycle

ian/Bicycle

Special Height Bicycle Railing

Pedestrian/Bicycle Railing .

**@** 

<u>|</u>

 $\gamma$  Slope Varies $_{\sim}$ 

Raised

Sidewalk

- Bridge

Deck

2" Cover (Top)

 ← Thrie-Beam

4" Taper

.02 Ft/Ft

Guardrail Bolts

CROSS REFERENCE: For location of Section A-A and View B-B see Sheet 1.

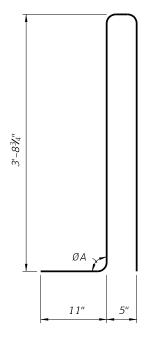
NOTE: For Post "B1", Post "C" and Rail Details, see Index No. 822.

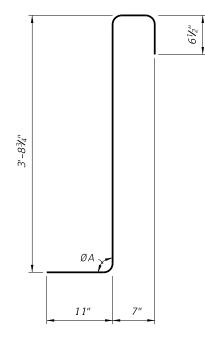
RAILING END DETAIL

TRAFFIC RAILING - (32" VERTICAL SHAPE)

BILL OF REINFORCING STEEL			
MARK	SIZE	LENGTH	
S	5	As Reqd.	
Τ	5	9'-0"	
Χ	5	5'-10"	

ROADWAY	ØA		
CROSS-SLOPE	LOW GUTTER	HIGH GUTTER	
0% to 2%	90°	90°	
2% to 6%	87°	9 <i>3</i> °	
6% to 10%	84°	96°	





Length as Required

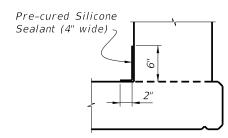
BAR 5S

STIRRUP BAR 5T

STIRRUP BAR 5X

### REINFORCING STEEL NOTES:

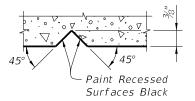
- 1. All bar dimensions in the bending diagrams are out to out.
- 2. The 3'-8¾" vertical dimensions shown for Bars 5T and 5X are based on a bridge deck with a 6" thick x 6' wide raised sidewalk at low side of deck, 2% deck cross slope and a counter 2% raised sidewalk cross slope. If the raised sidewalk 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  $\emptyset A=90^\circ.$
- 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 Reinforcement when approved by the Engineer. Welded Wire Reinforcement shall conform to ASTM A497.



## DETAIL "A" - SECTION AT INTERMEDIATE OPEN JOINT

#### INTERMEDIATE JOINT SEAL NOTES:

- 1. At Intermediate Open Joints, seal the lower 6" portion of the open joint with Pre-cured Silicone Sealant in accordance with Specification Section 932.
- 2. Apply sealant prior to any Class V finish coating and remove all curing compound and loose material from the surface prior to application of bonding agent.
- 3. The cost of the Pre-cured Silicone Sealant shall be included in the Contract Unit Price for the Traffic Railing.



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

ESTIMATED TRAFFIC RAILING QUANTITIES				
ITEM	UNIT	QUANTITY		
Concrete	CY/LF	0.095		
Reinforcing Steel	LB/LF	25.90		

(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.)

6/28/2012

DESCRIPTION:

