

1'-3"

2" Cover (Top)

-Bars 5X @ 1'-0" sp. (Max.)

(Alternate with Bars 5T)

1'-3"

-Transition Bars 5X (Field Cut and Lap

Rotate as Required to Maintain Cover)

3" Cover (Bars 5X)

5" Cover (Bars 5T)

Splice for Railing End Transition, Shift and

_⊊ W-Beam or Thrie-Beam Guardrail

Bolts (Trailing End)

← Thrie-Beam Guardrail

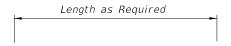
Bolts (Approach End) -

Bars 5S (Field

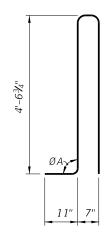
2" Cover (Top)

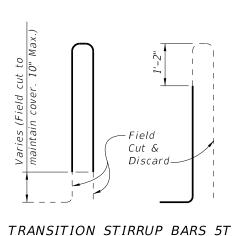
BILL OF REINFORCING STEEL			
MARK	SIZE	LENGTH	
S	5	As Reqd.	
Т	5	10'-8"	
Χ	5	6'-9"	

ROADWAY	ØA		
CROSS-SLOPE	LOW GUTTER	HIGH GUTTER	
0% to 2%	90°	90°	
2% to 6%	87°	83°	
6% to 10%	84°	96°	



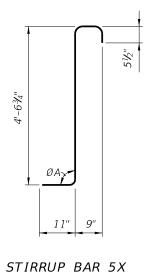
BAR 5S

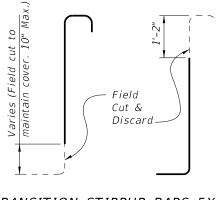




To Be Field Cut (7 of each required

per Railing End Transition)



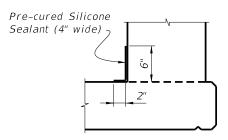


TRANSITION STIRRUP BARS 5X To Be Field Cut (7 of each required per Railing End Transition)

STIRRUP BAR 5T

REINFORCING STEEL NOTES:

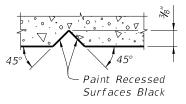
- 1. All bar dimensions in the bending diagrams are out to out.
- 2. The 4'-6 $\frac{7}{4}$ " vertical dimension shown for Bars 5T and 5X is based on a bridge deck with a 6" thick x 6' wide raised sidewalk at low side of deck, 2% deck cross slope and a counter 2% raised sidewalk cross slope. If the raised sidewalk thickness, width or cross slope vary from the above amounts, adjust this dimension accordingly 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 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	0.145		
Reinforcing Steel	LB/LF	30.68		

(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)

DESCRIPTION:

