

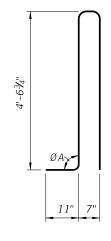
### CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

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

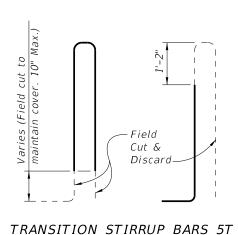
| ROADWAY     | ØA         |             |  |
|-------------|------------|-------------|--|
| CROSS-SLOPE | LOW GUTTER | HIGH GUTTER |  |
| 0% to 2%    | 90°        | 90°         |  |
| 2% to 6%    | 87°        | 83°         |  |
| 6% to 10%   | 84°        | 96°         |  |

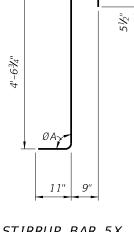


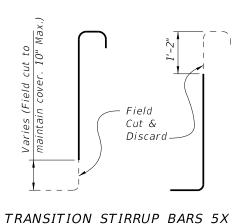
BAR 5S



STIRRUP BAR 5T







To Be Field Cut (7 of each required per Railing End Transition)

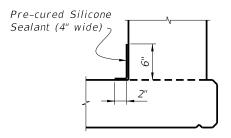
STIRRUP BAR 5X

To Be Field Cut (7 of each required per Railing End Transition)

### REINFORCING STEEL NOTES:

≥ DESCRIPTION:

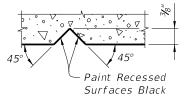
- 1. All bar dimensions in the bending diagrams are out to out.
- 2. The 4'-6 $\frac{7}{4}$ " vertical dimension shown for Bars 5T and 5X is based on a bridge deck with a 6" thick x 6' wide raised sidewalk at low side of deck, 2% deck cross slope and a counter 2% raised sidewalk cross slope. If the raised 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 (WWR) when approved by the Engineer. WWR must consist of Deformed wire meeting the requirements of Specification Section 931.



## 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<br>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)