


SECTION A-A
typical section thru traffic railing SECTION THRU BRIDGE DECK SHOWN

NOTES:
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 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 $5 T$ and 5X on Approach Slab at the raling end and proceed
toward Begin or End Bridge to ensure placement of guardrail bolt holes. If required, ad justments to the bar spacing for Bars 5T and 5 X shall be made immediately ad jacent 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

## CROSS REFERENCE:

ction $A-A$ and View $B-B$ see Sheet

NOTE: For Post "B1", Post "C" and Rail Details,
see Index No. 822
$\square$
RAILING END DETAIL
INDEX
NO.
423
SHEET
NO.
2 of 3

## CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

| BILL OF REINFORCING STEEL |  |  |
| :---: | :---: | :---: |
| MARK | SIZE | LENGTH |
| $S$ | 5 | As Reqd. |
| $T$ | 5 | $9^{\prime}-0^{\prime \prime}$ |
| $x$ | 5 | $5^{\prime}-10^{\prime \prime}$ |


| ROADWAY CROSS-SLOPE | $\varnothing$ A |  |
| :---: | :---: | :---: |
|  | LOW GUTTER | HIGH GUTTER |
| 0\% to 2\% | $90^{\circ}$ | $90^{\circ}$ |
| 2\% to 6\% | $87^{\circ}$ | $93^{\circ}$ |
| 6\% to $10 \%$ | $84^{\circ}$ | $96^{\circ}$ |



STIRRUP BAR 5T


STIRRUP BAR 5X



DETAIL "A" - SECTION at intermediate open joint

INTERMEDIATE JOINT SEAL NOTES:

1. At Intermediate Open Joints, seal the lower $6^{\prime \prime}$ 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
reinforcing steel notes

1. All bar dimensions in the bending diagrams are out to out.
2. The $3^{3}-8^{3} / 4^{\prime \prime}$ vertical dimensions shown for Bars $5 T$ and $5 X$ are based on a bridge deck with a
$6^{\prime \prime}$ thick $\times 6^{\prime}$ 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 $6^{\prime \prime}$ minimum embedment into
3. The bridge deck
4. All reinforcing st for the railing on a Retaining Wall shall be the same as detailed with $\varnothing A=90^{\circ}$.
5. Ar reinforcing steel at the open joints shall have a $2^{\prime \prime}$ minimum cover.
6. Bars 5 S may be continuous or spliced at the construction joints. Bar splices for Bars 5 S shall be
7. 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.

| ESTIMATED TRAFFIC RAILING |  |  |
| :--- | :---: | :---: |
| QUANTITIES |  |  |$|$

(The above quantities are based on a $6^{\prime \prime}$ thick $\times 6$ ross slope and counter $2 \%$ sidewalk cross slope.

| LAST REVIISION $07 / 01 / 13$ | 訇気DESCRIPTION: |  | $T \mathrm{RAFFIC}$ RAILING - (32" VERTICAL SHAPE) |
| :---: | :---: | :---: | :---: |

