

partial end view of traffic railing end TRANSITION FOR GUARDRAIL ATTACHMENT (Showing Bars 5S, Bars $5 T$ and Bars 5X) (Precast Coping Shown, C-I-P Coping Similar)


TYPICAL SECTION THRU PRECAST COPING WITH C-I-P RAISED SIDEWALK and retaining wall at expansion joints

1. Actual width varies depending on type of Retaining Wall used
2. Match roadway curb shape (Type) and height. See Roadway Plans and Index No. 300. $5^{\prime}-11^{\prime \prime}$ dimension is based on a $32^{\prime \prime}$ Vertical Shape Traffic Railing with a Type $D$ curb ad jacent to a $6^{\prime}-0^{\prime \prime}$ wide sidewalk. Ad just this 3. dimension as required for other curb types or transitions at Begin or End Retaining Wall. of Bars $5 T$ and 5 X, see Reinforcing Steel Note 5 .
Trim end of Bars 57 and $5 \times$ to clear construction joint for $42^{\prime \prime}$ Vertical Shape Traffic Railing.
At the Contractor's option, mechanical couplers may be used to splice reinforcing. Complete details, including yield strength.
When the air maintain stability of precast coping prior to junction slab completion.
depth Expanded Polystyrene to provide a maximum 21/2" air gap.
DETAIL "B"
PRECAST COPING

(Showing Locations of $1 / 2$ " $V$-Grooves and $3 / 4$ " Preformed Expansion Joint Filler)

| LAST REVISION $07 / 01 / 14$ | 気DESCRIPTION: |
| :---: | :---: |

FDOTY DESIGN STANDARDS
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REINFORCING STEEL BENDING DIAGRAMS - RAISED SIDEWALK

| BILL OF REINFORCING STEEL |  |  |  |
| :---: | :---: | :---: | :---: |
| MARK | SIZE | LENGTH |  |
|  | PRECAST <br> COPING/ <br> RAILING | C-I-P <br> COPING |  |
| A | 5 | $5^{\prime}-9^{\prime \prime}$ | $9^{\prime}-1^{\prime \prime}$ |
| B1 | 5 | $9^{\prime}-6^{\prime \prime} / 11^{\prime}-6^{\prime \prime}$ | N/A |
| B2 | 5 | AS REQD. | AS REQD. |
| $C$ | 4 | $5^{\prime}-5^{\prime \prime}$ | $N / A$ |
| $F$ | 5 | $5^{\prime}-0^{\prime \prime}$ | $5^{\prime}-0^{\prime \prime}$ |
| L | 5 | $4^{\prime \prime}-5^{\prime \prime}$ | $4^{\prime}-5^{\prime \prime}$ |
| $1^{\prime \prime} \varnothing$ Dowel | Smooth <br> Steel Bar | $2^{\prime}-0^{\prime \prime}$ | $2^{\prime \prime}-0^{\prime \prime}$ |



| ESTIMATED QUANTITIES FOR C-I-P COPING |  |  |
| :--- | :---: | :---: |
| ITEM | UNIT | QUANTITY |
| Concrete | CY/LF | 0.326 |
| Reinforcing Steel (Typical) excluding <br> Bars 5T, 5x and 5S (Typ.) | LB/LF | 35.03 |
| Additional Reinf. @ Expansion Joints <br> (Dowe/s) | LB | 32.04 |

The above concrete quantities are based on a Type $D$
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Concrete Curb on a level Retaining Wall (See Note 1).

VERTICAL SHAPE TRAFFIC RAILINGS
LAST
REVISION
$07 / 01 / 2$

07/01/14

2015
DESIGN STANDARDS

DESCRIPTION:
$\square$
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notes
Match roadway curb shape (Type) and height. See Roadway Plans and Index No. 300. 6'-8" dimension is based
on a $32^{\prime \prime}$ Vertical Shape Traffic Railing with a Type $D$ curb adjacent to a $6^{\prime}-0^{\prime \prime}$ wide sidewalk. Adjust this dimension
as required for other curb types or transitions at Begin or End Retaining Wall.
3. If slip forming is used, submit shop drawings for approval showing $3^{\prime \prime}$ side cover with the Typical Section dimensions adjusted.


