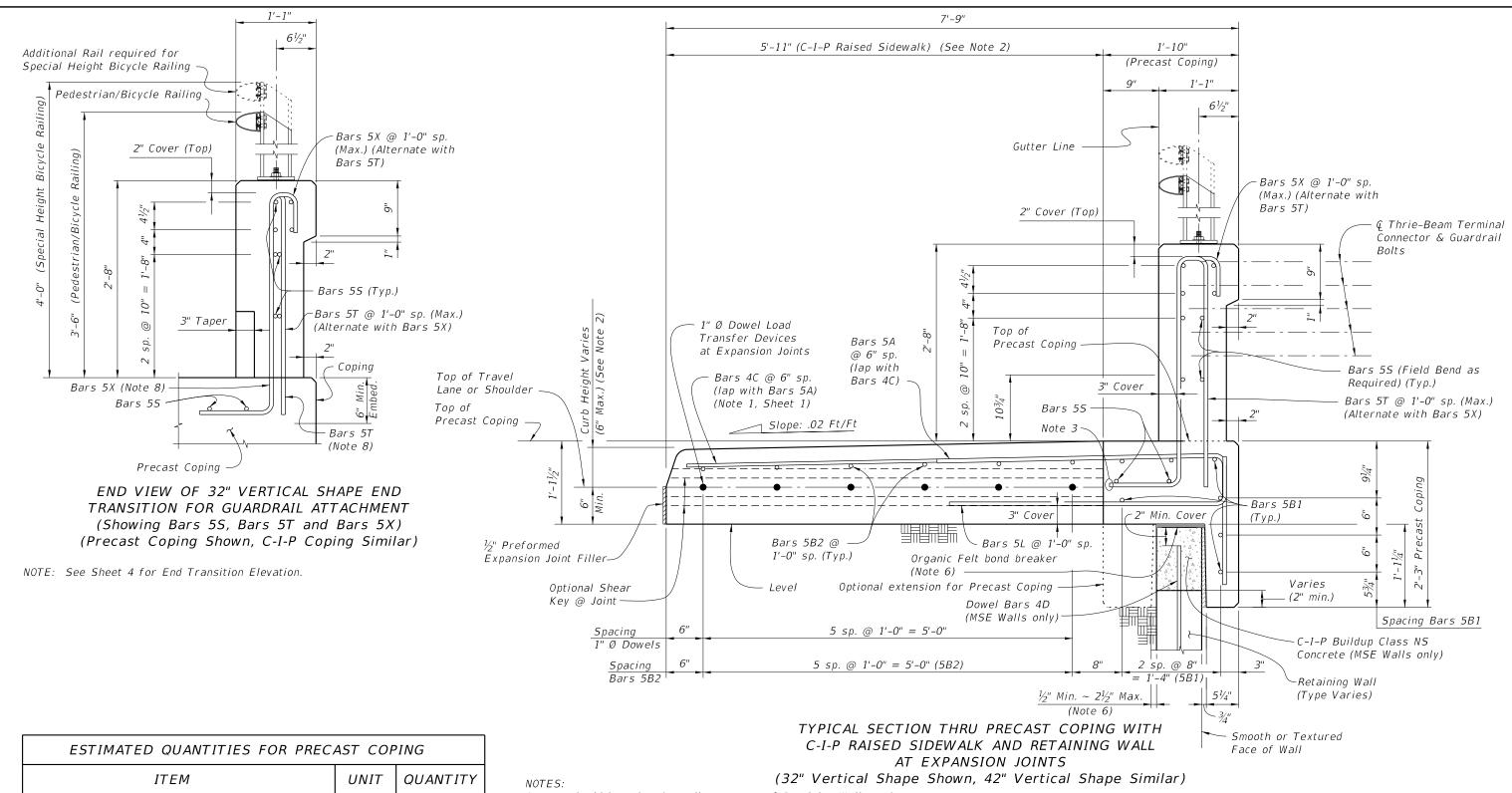


11/01/18

FDOT



ESTIMATED QUANTITIES FOR PRECAST COPING				
ITEM	UNIT	QUANTITY		
Concrete (Precast Coping)	CY/LF	0.095		
Concrete (C-I-P Raised Sidewalk)	CY/LF	0.232		
Reinforcing Steel (Precast Coping) excluding Bars 5T, 5X and 5S (Typ.)	LB/LF	23.90		
Reinforcing Steel (C-I-P Raised Sidewalk) (Typ.)	LB/LF	13.50		
Additional Reinf. @ Expansion Joints (Steel Dowels)	LB	32.04		

The above concrete quantities are based on a Type D Concrete Curb (See Note 2).

DESCRIPTION:

1. Actual width varies depending on type of Retaining Wall used.

2. Match roadway curb shape (Type) and height. See Roadway Plans and Index 520-001. 5'-11" dimension is based on a 32" Vertical Shape with a Type D curb adjacent to a 6'-0" wide sidewalk. Adjust this dimension as required for other curb types or transitions at Begin or End Retaining Wall.

3. Trim end of Bars 5T and 5X to clear construction joint for 42" Vertical Shape.

- 4. At the Contractor's option, mechanical couplers may be used to splice reinforcing. Complete details, including reinforcement lengths are required in the Shop Drawings. Mechanical couplers shall develop 125% of the bar yield strength.
- 5. Contractor to maintain stability of precast coping prior to junction slab completion.
- 6. When the air gap between the precast coping extension and retaining wall exceeds $2\frac{1}{2}$, fill gap with full depth Expanded Polystyrene to provide a maximum $2\frac{1}{2}$ " air gap.
- 7. For Bullet Railings, see Index 515-021 and 515-022.
- 8. Begin placing Railing Bars 5T and 5X at the railing end and proceed toward Retaining Wall to avoid conflict with quardrail bolt holes. If required, adjustments to the bar spacing for Bars 5T and 5X shall be made immediately adjacent to Begin or End Bridge. Cut, shift and rotate Bars 5T and 5X as required to maintain cover in End Transition.

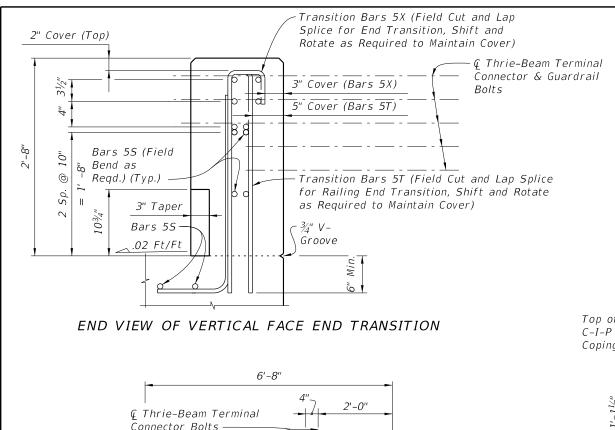
32" VERTICAL SHAPE

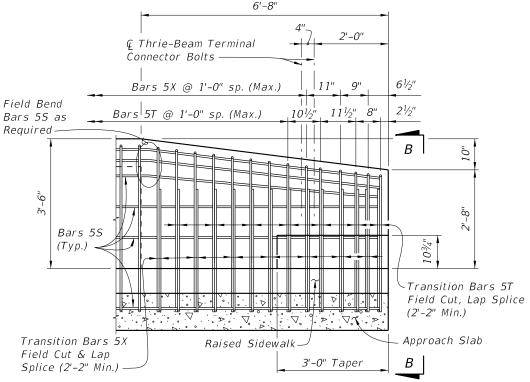
FDOT

FY 2023-24 STANDARD PLANS

CONCRETE BARRIER/RAISED SIDEWALK - WALL COPING

INDEX SHEET *521-620* 2 of 4



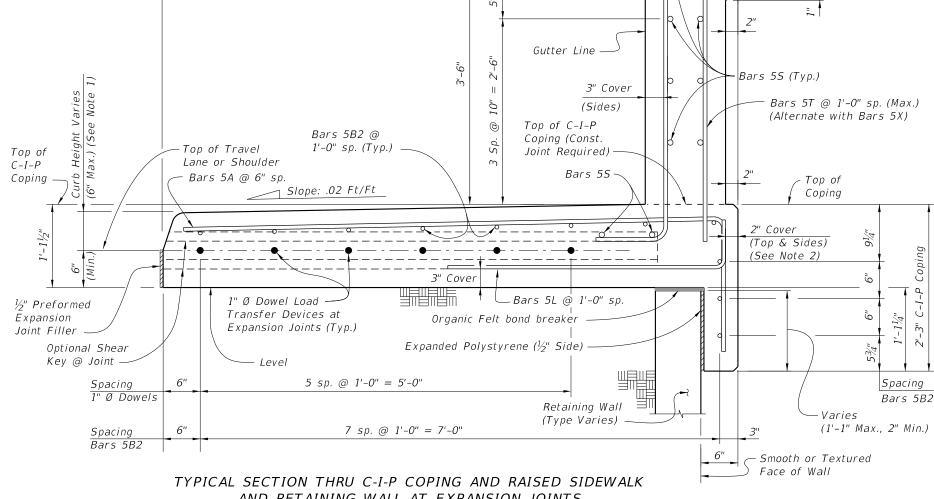


ELEVATION END TRANSITION (Guardrail Not Shown For Clarity)

ESTIMATED QUANTITIES FOR C-I-P COPING				
ITEM	UNIT	QUANTITY		
Concrete	CY/LF	0.326		
Reinforcing Steel (Typical) excluding Bars 5T, 5X and 5S (Typ.)	LB/LF	35.38		
Additional Reinf. @ Expansion Joints (Steel Dowels)	LB	32.04		

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

DESCRIPTION:

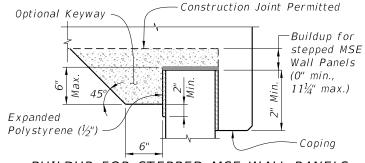


7'-9"

2" Cover (Top)

6'-6"

AND RETAINING WALL AT EXPANSION JOINTS (42" Vertical Face Shown, 32" Vertical Face Similar)



1'-3"

42" Vertical Shape

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

(Alternate with Bars 5T)

BUILDUP FOR STEPPED MSE WALL PANELS AND C-I-P COPING

NOTES:

- 1. Match roadway curb shape (Type) and height. See Roadway Plans and Index 520-001. 6'-6" dimension is based on a 42" Vertical Shape with a Type D curb adjacent to a 6'-0" wide sidewalk. Adjust this dimension as required for other curb types or transitions at Begin or End Retaining Wall.
- 2. If slip forming is used, submit shop drawings for approval showing 3" side cover with the Typical Section dimensions adjusted.
- 3. Begin placing Railing Bars 5T and 5X at the railing end and proceed toward Retaining Wall to avoid conflict with guardrail bolt holes. If required, adjustments to the bar spacing for Bars 5T and 5X shall be made immediately adjacent to Begin or End Retaining Wall. Cut, shift and rotate Bars 5T and 5X as required to maintain cover in End Transition.

42" VERTICAL SHAPE

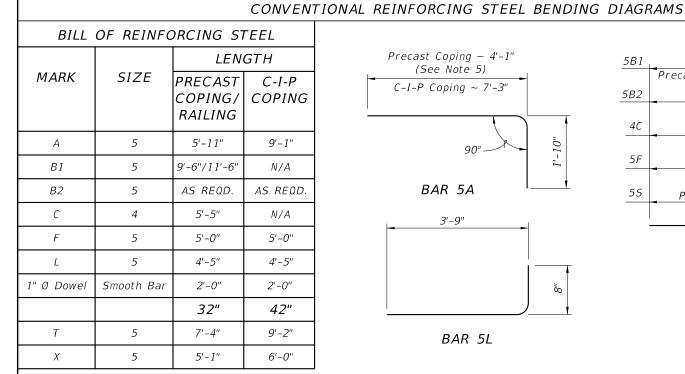
REVISION 11/01/18

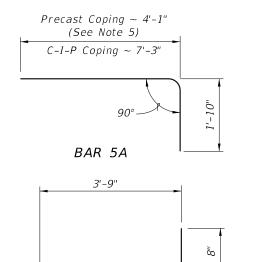


FY 2023-24 STANDARD PLANS

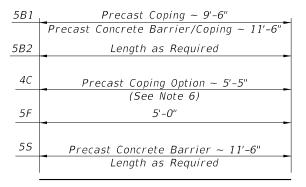
CONCRETE BARRIER/RAISED SIDEWALK - WALL COPING

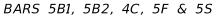
INDEX SHEET *521-620* 3 of 4

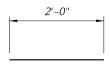




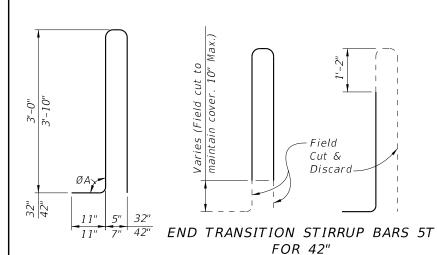
BAR 5L

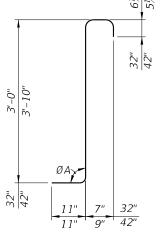




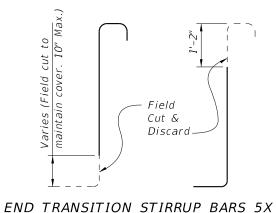


1" Ø DOWEL





STIRRUP BAR 5X



FOR 42" To Be Field Cut (7 of each required

STIRRUP BAR 5T

REINFORCING STEEL NOTES:

DESCRIPTION:

1. All bar dimensions in the bending diagrams are out to out.

2. All reinforcing steel at expansion joints will have a 2" minimum cover.

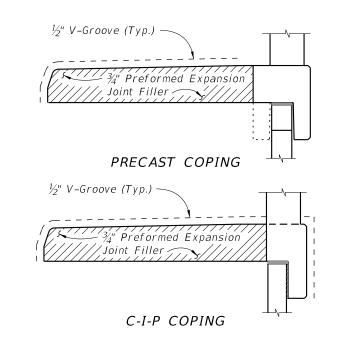
To Be Field Cut (7 of each required

per Railing End Transition)

- 3. Lap splices for Bars 5B and 5S will be a minimum of 2'-2".
- 4. Lap splice Bars 5A with Bars 4C will be a minimum of 2'-2".
- 5. Dimension shown is for lap splice option. For mechanical coupler option, this dimension is 1'-8".
- 6. Dimension shown is for lap splice option. For mechanical coupler option, this dimension is 5'-8", and reinforcing size must be increased to #5
- 7. The Contractor may use deformed WWR when approved by the Engineer. WWR must meet the requirements of Specification Section 931.

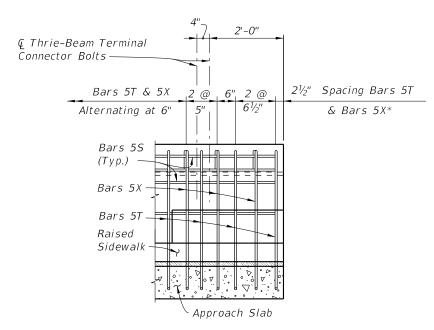
per Railing End Transition)

* See Sheet 3 Note 3.



DETAIL "B"

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



END TRANSITION ELEVATION FOR 32" VERTICAL SHAPE (Guardrail Not Shown For Clarity)

ESTIMATED CONCRETE BARRIER QUANTITIES					
			QUANTITY		
ITEM	UNIT	32"	42"		
Concrete	CY/LF	0.095	0.145		
Reinforcing Steel	LB/LF	23.38	28.33		

VERTICAL SHAPE

REVISION 11/01/18

