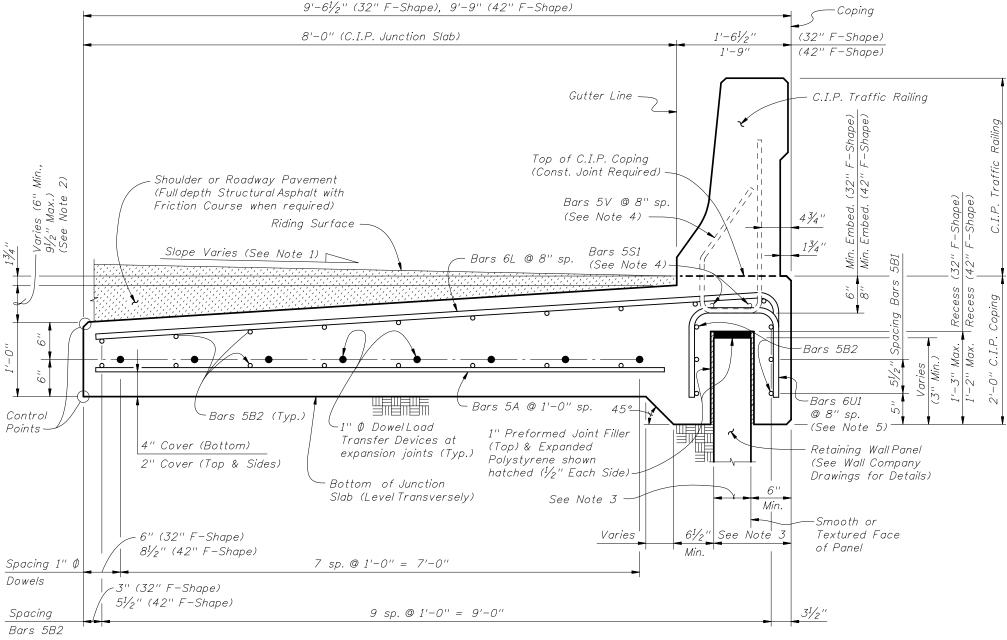


REINFORCING STEEL NOTES:

- 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.
- 3. Lap splices for Bars 5B2 will be a minimum of 2'-2".
- 4. For Precast Coping only, lap splice Bars 6L with Bars 5C. Lap splices will be a minimum of 2'-9"
- 5. See Index No. 420 and Index No. 425 for Bars 5S and 5V.
- 6. Dimension shown is for lap splice option. For mechanical coupler option, this dimension is $1'-4\frac{1}{2}$ " (32" F-Shape) or 1'-7" (42" F-Shape).
- 7. Dimension shown is for lap splice option. For mechanical coupler option, this dimension is 7'-9".
- 8. The Contractor may use Welded Wire Reinforcement when approved by the Engineer. Welded Wire Reinforcement will conform to ASTM A 497.



TYPICAL SECTION THRU C.I.P. COPING AND JUNCTION SLAB AND RETAINING WALL AT EXPANSION JOINTS

ESTIMATED QUANTITIES FOR C.I.P. COPING ITEM UNIT QUANTITY Concrete CY/Ft. 0.468 Reinforcing Steel (Typical) excluding Lb./Ft. 64.20 Bars 5V and 5S (Typ.) Additional Reinf. @ Expansion Joint Lb./Ft. 42.72

JUNCTION SLAB NOTES:

- 1. Match Cross Slope of Travel Lane or Shoulder.
- 2. The minimum dimension of 6" corresponds to a superelevation of 6.25%. For superelevations exceeding 6.25%, increase this dimension (i.e., shift control points down) as required to match roadway superelevation.
- 3. Actual width varies depending on type of Retaining Wall used.
- 4. See Index No. 420 and Index No. 425 for Bars 5S and 5V.
- 5. Increase the width $(1'-2\frac{1}{2}')$ of Bars 6U1 as required to maintain 2" minimum cover when recess width exceeds 8".

(The above concrete quantities are based on a superelevation of 6.25% and a 5" wide retaining wall panel, beneath a 32" F-Shape Traffic Railing).

PRECAST OR C.I.P. COPING WITH C.I.P. JUNCTION SLAB DETAILS (F-SHAPE TRAFFIC RAILINGS) **REVISIONS** 2008 Interim Design Standard

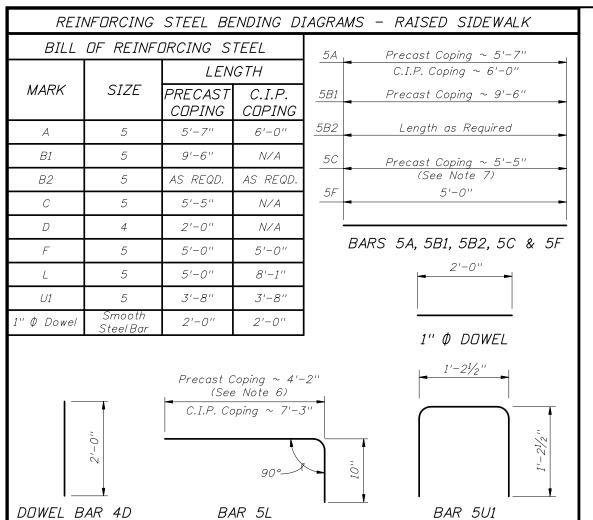
Changed "Shoulder or Roadway Pavement" note; and "6"" to "6" Min." in TYPICAL SECTION detail. Changed "Continuous Neoprene Strip" to "Preformed Joint Filler" in TYPICAL SECTION detail. 07/01/09 SJN

1" Ø DOWEL



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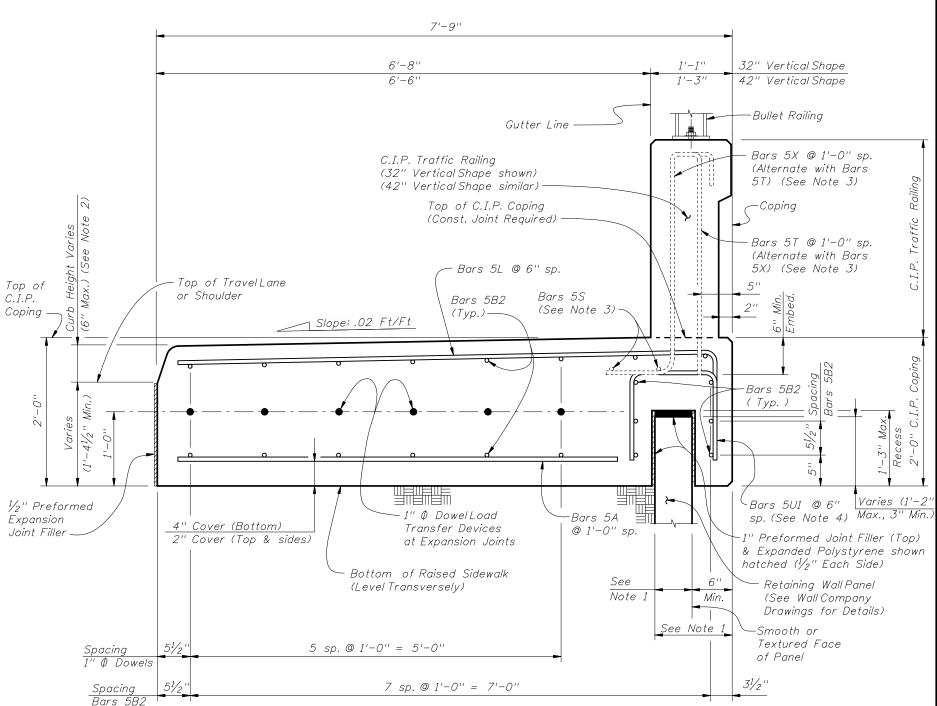


REINFORCING STEEL NOTES:

- 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.
- 3. Lap splices for Bars 5B will be a minimum of 2'-2".
- 4. Lap splice Bars 5L with Bars 5C. Lap splices will be a minimum of 2'-2".
- 5. See Index No. 422 and Index No. 423 for Bars 5S, 5T and 5X. Adjust vertical dimensions of Stirrup Bars 5T and 5X to 3'-0" for 32" Vertical Shape or 3'-10" for 42" Vertical Shape.
- 6. Dimension shown is for lap splice option. For mechanical coupler option, this dimension is 1'-8''.
- 7. Dimension shown is for lap splice option. For mechanical coupler option, this dimension is 5'-8".
- 8. The Contractor may use Welded Wire Reinforcement when approved by the Engineer. Welded Wire Reinforcement will conform to ASTM A 497.

ESTIMATED QUANTITIES FOR C.I.P. COPING		
ITEM	UNIT	QUANTITY
Concrete	CY/Ft.	0.538
Reinforcing Steel (Typical) excluding Bars 5T, 5X and 5S (Typ.)	Lb./Ft.	51.63
Additional Reinf. @ Expansion Joints	Lb.	32.04

The above concrete quantities are based on a 5" wide retaining wall panel and a Type D Concrete Curb (See Note 2).



TYPICAL SECTION THRU C.I.P. COPING AND RAISED SIDEWALK
AND RETAINING WALL AT EXPANSION JOINTS

RAISED SIDEWALK NOTES:

- 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. 6'-8" dimension is based on a 32" Vertical Shape Traffic Railing 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. See Index No. 422 and Index No. 423 for Bars 5S, 5T & 5X and Bullet Railing details. Adjust vertical dimension of Bars 5T and 5X, see Reinforcing Steel Note 5.
- 4. Increase the width $(1'-2\frac{1}{2}'')$ of Bars 5U1 as required to maintain 2" minimum cover when recess width exceeds 8".

PRECAST OR C.I.P. COPING WITH C.I.P. RAISED SIDEWALK DETAILS (VERTICAL SHAPE TRAFFIC RAILINGS)

