

NOTES:

DESCRIPTION:

- 1. Match Cross Slope of Travel Lane or Shoulder.
- 2. Vary the Junction Slab slope based on the roadway cross slope to maintain a minimum 6" asphalt depth at the inside edge of the slab.
- 3. For Rigid Pavement (Concrete), Junction Slab may be thickened to match finish grade. Vary the Junction Slab slope to maintain a minimum 1'-6" thickness at the inside edge of the slab.
- 4. Minimum length of Junction Slab between expansion joints is 30'-0" for 36" Single-Slope or 60'-0" for 42" Single-Slope.
- 5. Contractor to maintain stability of precast coping prior to junction slab completion. In the Shop Drawings, show reinforcement for optional extension required for stability, shipping and handling. Maintain 1.5" minimum concrete cover.
- 6. 2" cover allows for $\frac{1}{2}$ " variance due to slip forming.

ESTIMATED QUANTITIES FOR C-I-P						
ITEM	UNIT	QUANTITY (36")	QUANTITY (42")			
Concrete	CY/LF	0.376	0.420			
GFRP (excludes Bars 6C & 6F)	LF/LF	69.42	72.41			
Additional Reinf. @ Expansion Joint (Dowels)	LF	8.00	8.00			

(The above concrete quantities are based on a max. superelevation of 6.25%)

SINGLE-SLOPE CONCRETE BARRIERS

REVISION 11/01/20

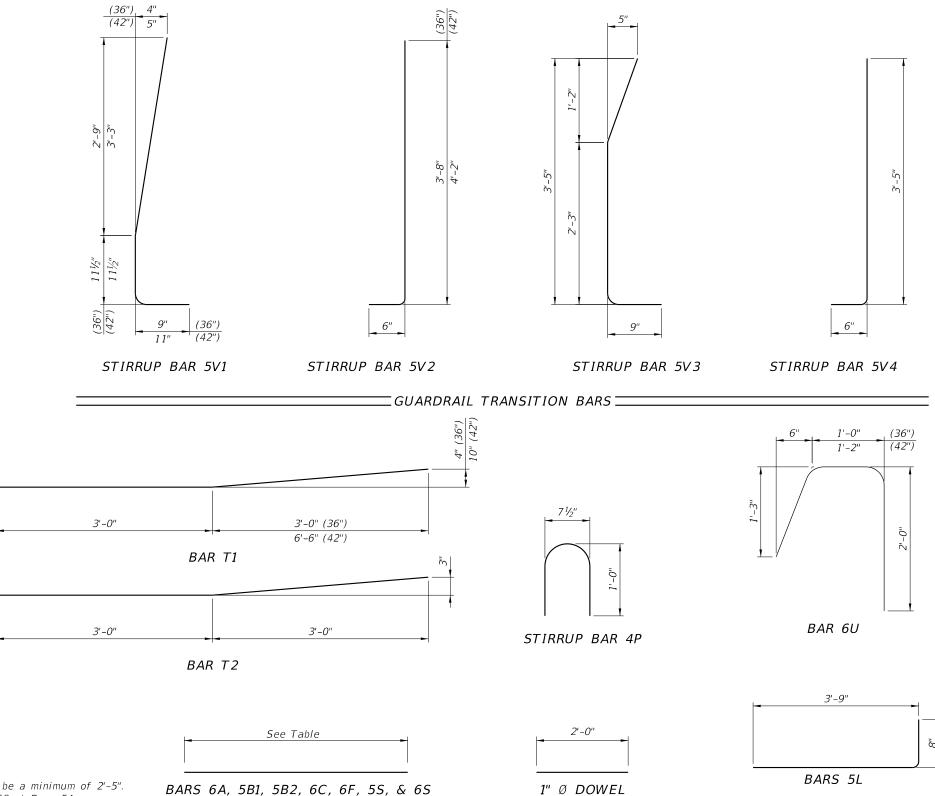
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FY 2022-23 STANDARD PLANS

CONCRETE BARRIER/JUNCTION SLAB - WALL COPING (FRP)

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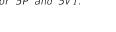
FRP BENDING DIAGRAMS							
FRP REINFORCING							
	SIZE	LENGTH					
MARK		PRECAST FOR SING		C-I-P COPING FOR SINGLE-SLOPE			
		(36")	(42")	(36")	(42")		
А	6	5'-3"	5'-5"	7'-10"	8'-0"		
B1	5	11'-6"	9'-6"	AS REQD.	AS REQD.		
B2	5	AS REQD.	AS REQD.	AS REQD.	AS REQD.		
С	6	4'-10"	4'-10''	N/A	N/A		
F	6	4'-10"	4'-10''	4'-10"	4'-10''		
L	5	4'-5"	4'-5"	4'-5"	4'-5"		
Р	4	2'-7"	2'-7"	2'-7"	2'-7"		
5	5	11'-6"	N/A	AS REQD.	N/A		
S	6	N/A	9'-6"	N/A	AS REQD.		
T 1	5	6'-1"	N/A	6'-1"	N/A		
T 1	6	N/A	9'-6"	N/A	9'-6"		
Т2	5	6'-1"	N/A	6'-1"	N/A		
T2	6	N/A	6'-1"	N/A	6'-1"		
U	7	4'-4"	4'-6"	4'-4"	4'-6"		
V 1	5	4'-6"	5'-2"	4'-6"	5'-2"		
V2	5	4'-3"	4'-8"	4'-3"	4'-8"		
V3	5	4'-2"	4'-2"	4'-2"	4'-2"		
V 4	5	3'-11"	3'-11"	3'-11"	3'-11"		
1" Ø Dowel	Smooth Bar	2'-0"	2'-0"	2'-0"	2'-0"		



REINFORCING STEEL NOTES:

- 1. All bar dimensions in the bending diagrams are out to out.
- 2. All reinforcing at expansion and open joints will have a 1.5" minimum cover.
- 3. Lap splices for Bars 5B & 5S will be a minimum of 2'-2".
- 4. For Precast Copings only, lap splice Bars 6A with Bars 6C. Lap splices will be a minimum of 2'-5".
- 5. The Contractor may use either full length Bars 7A or lap splice with Bars 6C at Bars 5A for C-I-P Copings.
- 6. Contractor may use a single #5 stirrup in lieu of two bars for 5P and 5V1.
- 7. FRP Bars can not be field bent.

DESCRIPTION:





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SHEET

LAST

REVISION

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