Index 521-611 Concrete Barrier/Junction Slab-Wall Coping

ORIGINATION

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COMMENTARY

New Index

COMMENTS AND RESPONSES

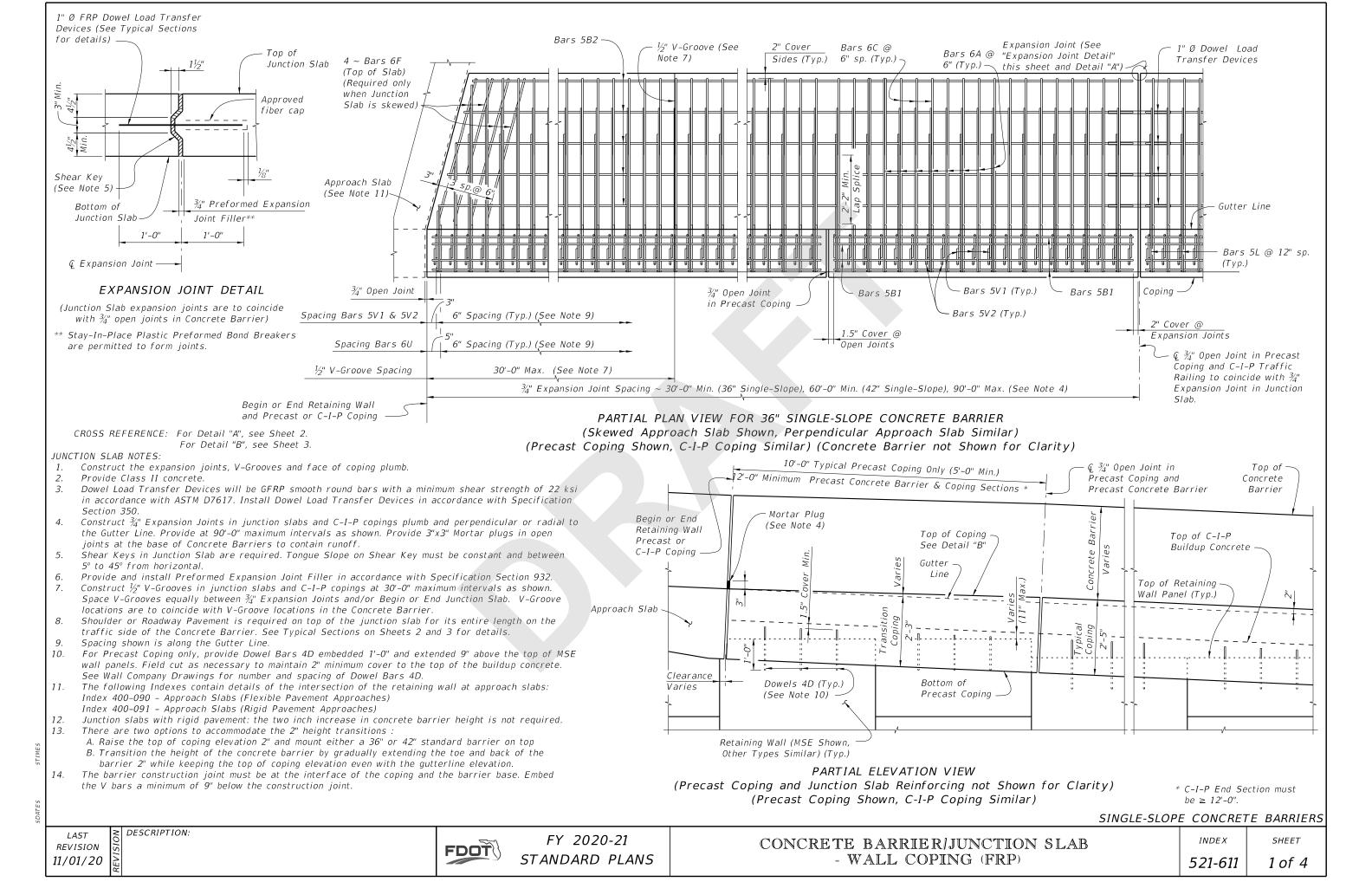
BLACK = Industry Review Comments RED = Standard Plans Response

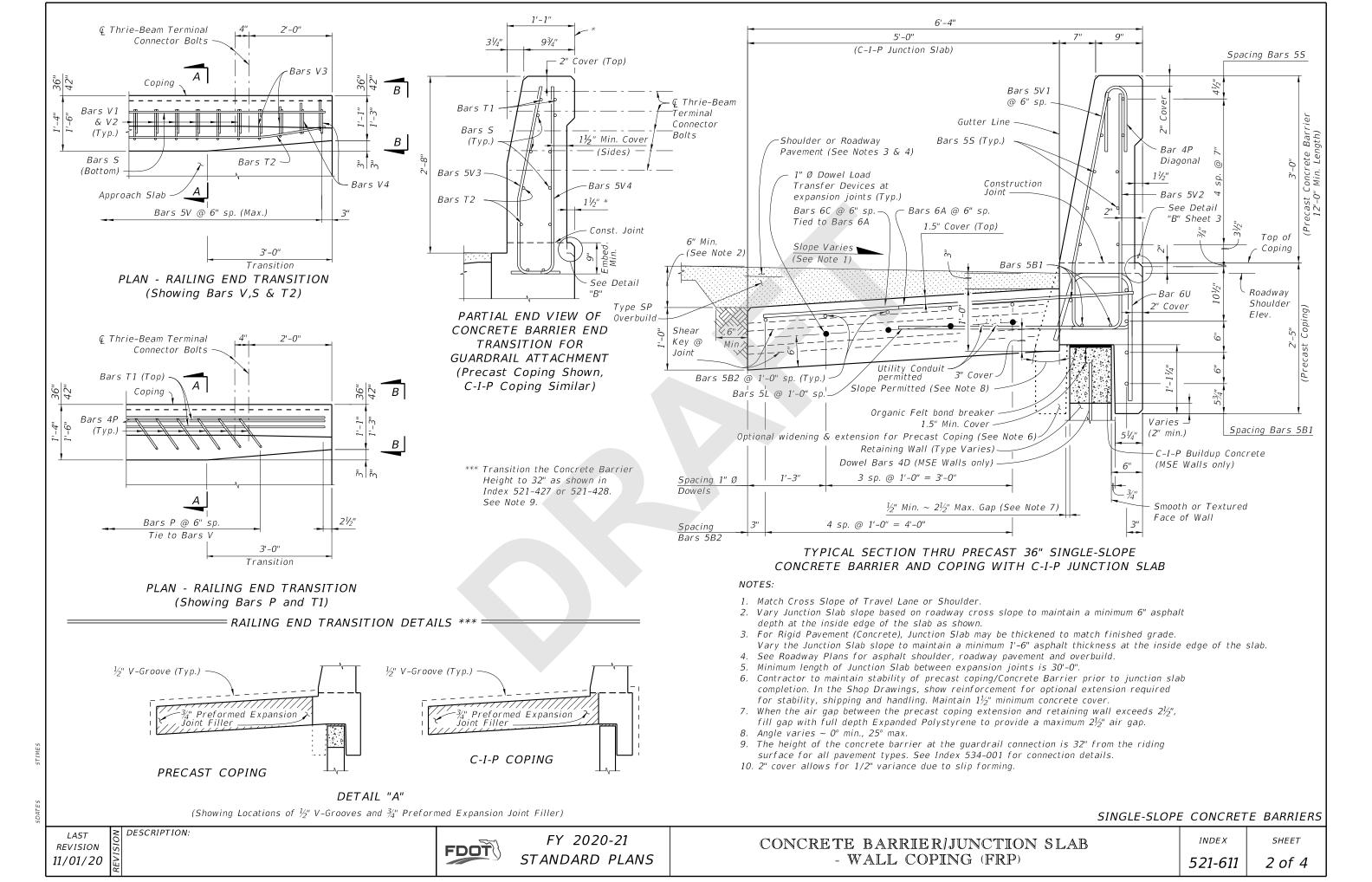
Name: Matthew Simonds Date: September 2, 2020

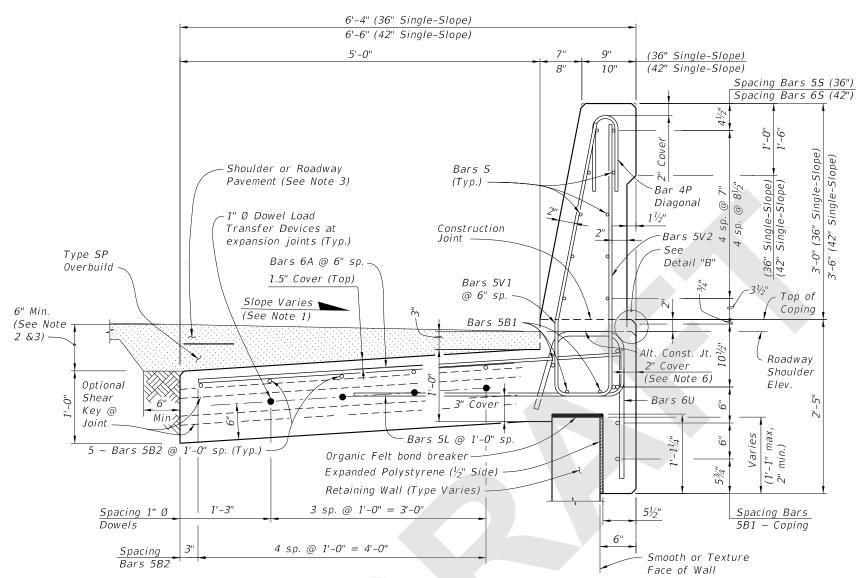
COMMENT: Should the (FRP) designation be reflected on Sheets 2 of 4, 3 of 4 and 4 of 4 as it is on Sheet 1 of 4?

RESPONSE: Yes, will be corrected.

Date: 9/16/2020







TYPICAL SECTION THRU C-I-P CONCRETE BARRIER WITH C-I-P JUNCTION SLAB AND C-I-P COPING (PRECAST COPING SIMILAR WITH C-I-P BUILDUP)

NOTES:

- 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.

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DESCRIPTION: LAST REVISION 11/01/20

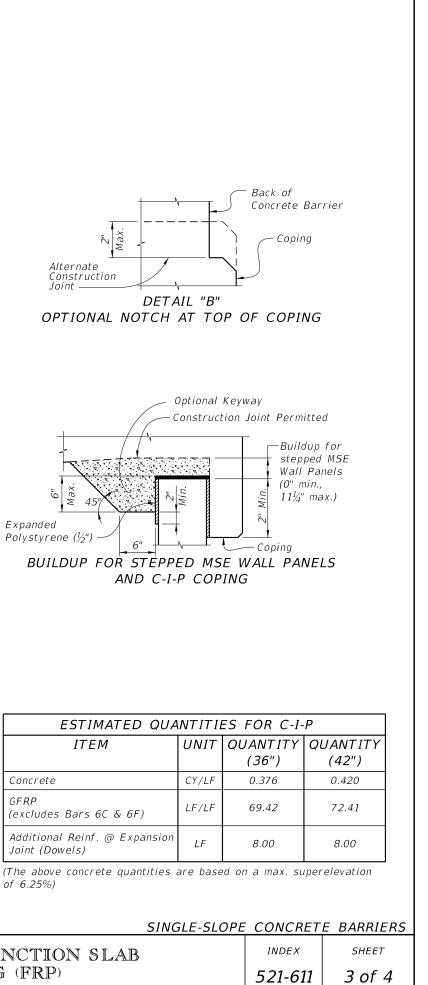


FY 2020-21 STANDARD PLANS

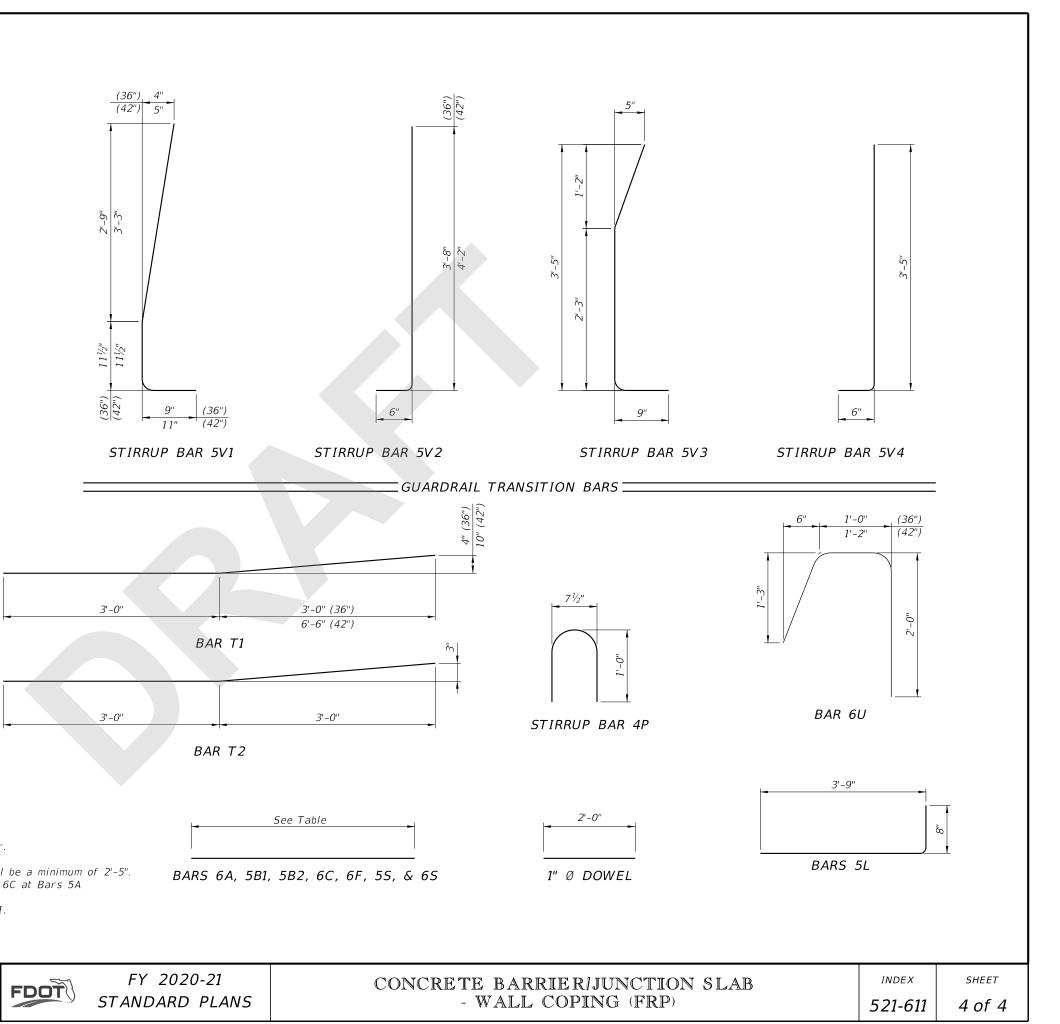
CONCRETE BARRIER/JUNCTION SLAB - WALL COPING (FRP)

GFRP

of 6.25%)



		FRP RE	INFORCING	<u> </u>	
		LENGTH			
MARK	SIZE	PRECAST COPING FOR SINGLE-SLOPE		C-I-P COPING FOR SINGLE-SLOPE	
		(36")	(42")	(36")	(42")
А	6	5'-3''	5'-5''	7'-10''	8'-0''
В1	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"
S	5	11'-6"	N/A	AS REQD.	N/A
S	6	N/A	9'-6"	N/A	AS REQD.
Τ1	5	6'-1''	N/A	6'-1''	N/A
Τ1	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''
V4	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.

 \geq DESCRIPTION:

LAST
REVISION

11/01/20