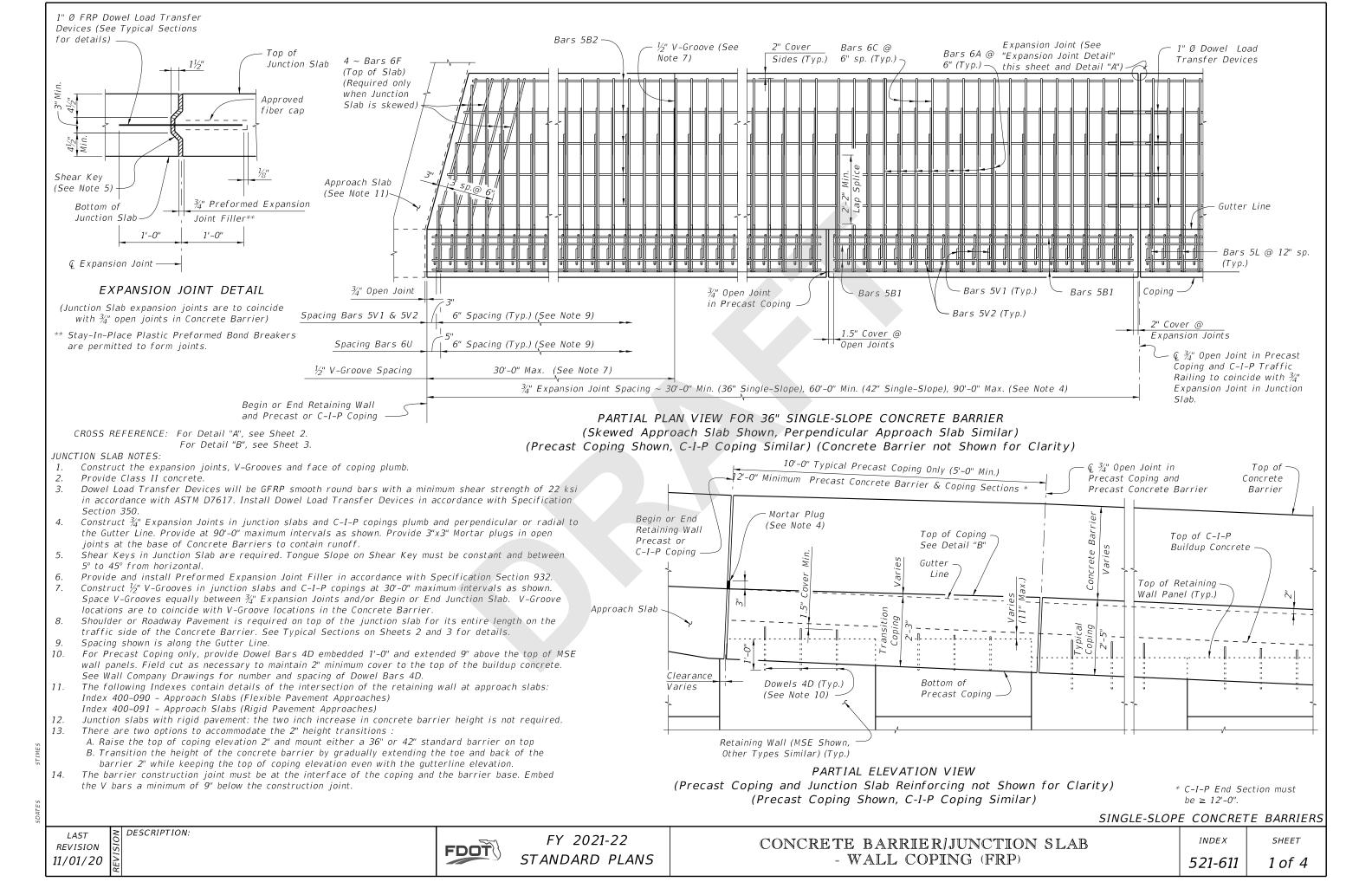
ORIGINATION FORM -

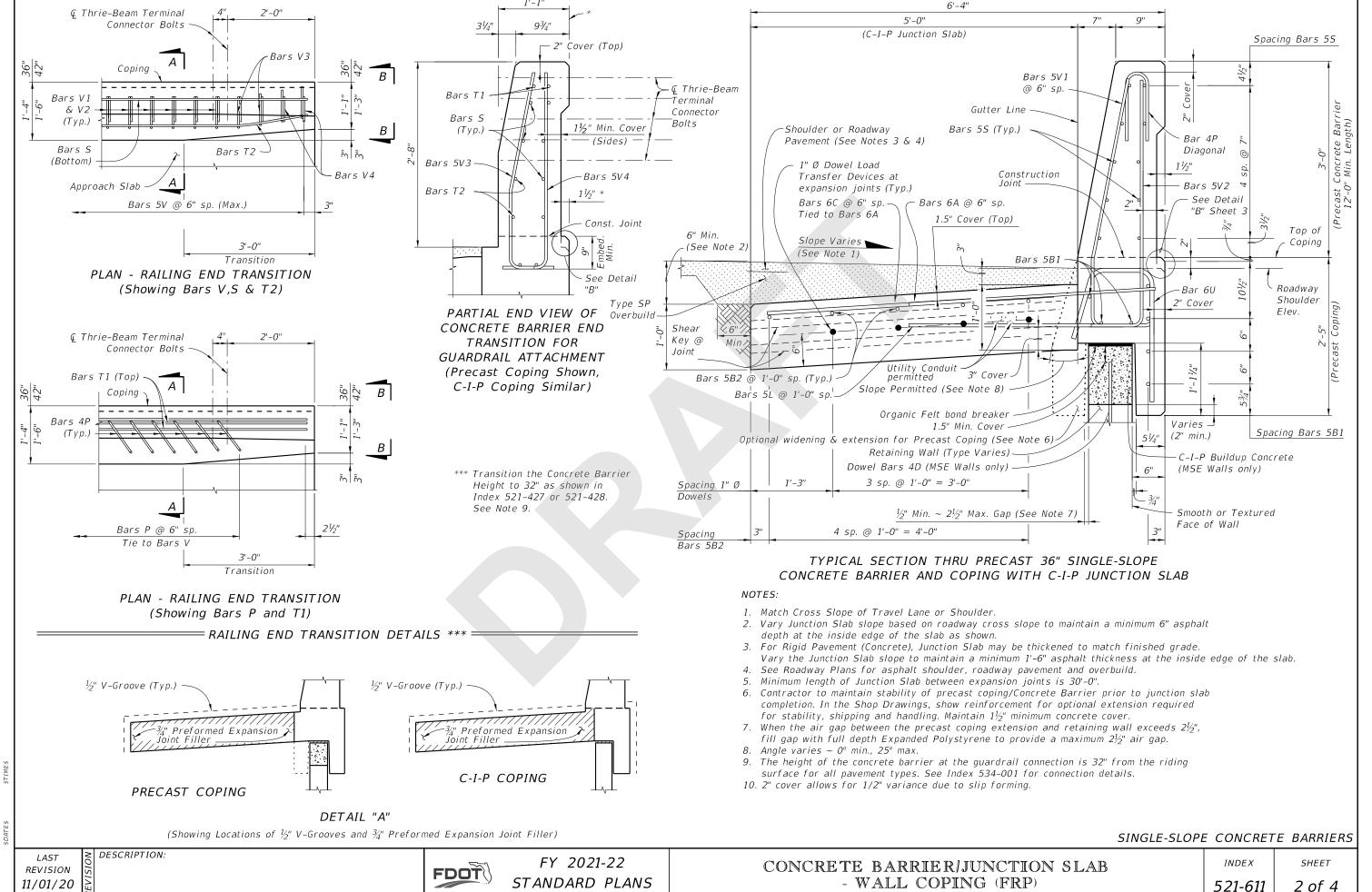
Proposed Revisions to a Standard Plans Index

(Please provide all information — Incomplete forms will be returned)

Contact II	nformation:	Standard Plans:		
Date: July 8, 2020		Index Number: 521-611		
Originator:	Cheryl Hudson	Sheet Number (s) 1-4		
Phone: (850) 414-5332		Index Title: Concrete Barrier/Junction Slab - Wall Coping		
Email: che	ryl.hudson@dot.state.fl.us			
Summary	of the changes:			
NEW Ind	ex			
	tary / Background:			
		ed near tolling facilities or for extremely aggressive		
conditio	ns (when required in the plans)			
	ected Offices / Documents: (Provide name o	f person contacted)		
Yes No	Other Standard Plans –			
	FDOT Design Manual –			
	Basis of Estimates Manual –			
	Standard Specifications –			
	Approved Product List –			
	Construction –			
	Maintenance –			
Origination Package Includes: (Email or hand deliver package to Rick Jenkins)		<u>Implementation:</u> ☐ Design Bulletin (Interim)		
Yes N/A	and deliver package to kick Jenkins)	Design Builetin (interin) DEE Memo		
	Redline Mark-ups	Program Mgmt. Bulletin		
	Proposed Standard Plan Instruction (SPI)	FY-Standard Plans (Next Release)		
	Revised SPI			
	Other Support Documents			

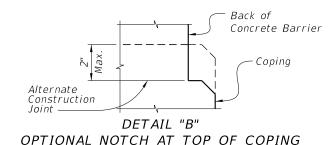
Contact the Roadway Design Office for assistance in completing this form —

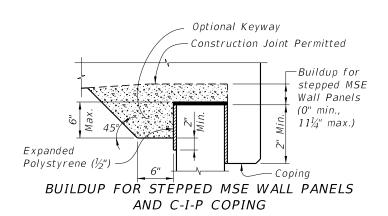




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NOTES:

- 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.

ESTIMATED QUANTITIES FOR C-I-P						
UNIT	QUANTITY (36")	QUANTITY (42")				
CY/LF	0.376	0.420				
LF/LF	69.42	72.41				
LF	8.00	8.00				
	CY/LF LF/LF	UNIT QUANTITY (36") CY/LF 0.376 LF/LF 69.42				

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

SINGLE-SLOPE CONCRETE BARRIERS

LAST **REVISION** 11/01/20

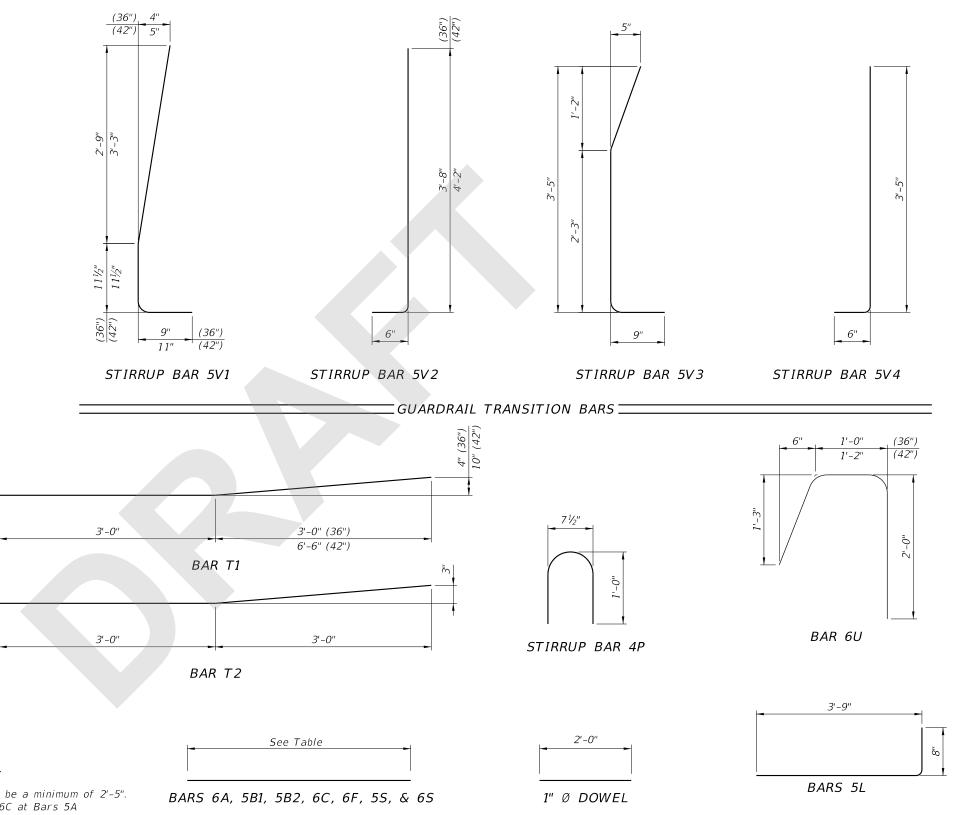
FDOT

FY 2021-22 STANDARD PLANS

CONCRETE BARRIER/JUNCTION SLAB

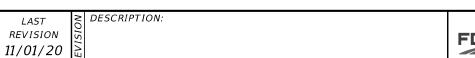
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FRP REINFORCING							
		LENGTH					
MARK	SIZE	PRECAST COPING FOR SINGLE-SLOPE		C-I-P COPING FOR SINGLE-SLOPE			
		(36")	(42")	(36")	(42")		
Α	6	5'-3"	5'-5"	7'-10"	8'-0"		
B1	5	11'-6"	9'-6"	AS REQD.	AS REQD.		
B2	5	AS REQD.	AS REQD.	AS REQD.	AS REQD.		
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"		
S	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		
Т2	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.





FY 2021-22 STANDARD PLANS

- WALL COPING (FRP)

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