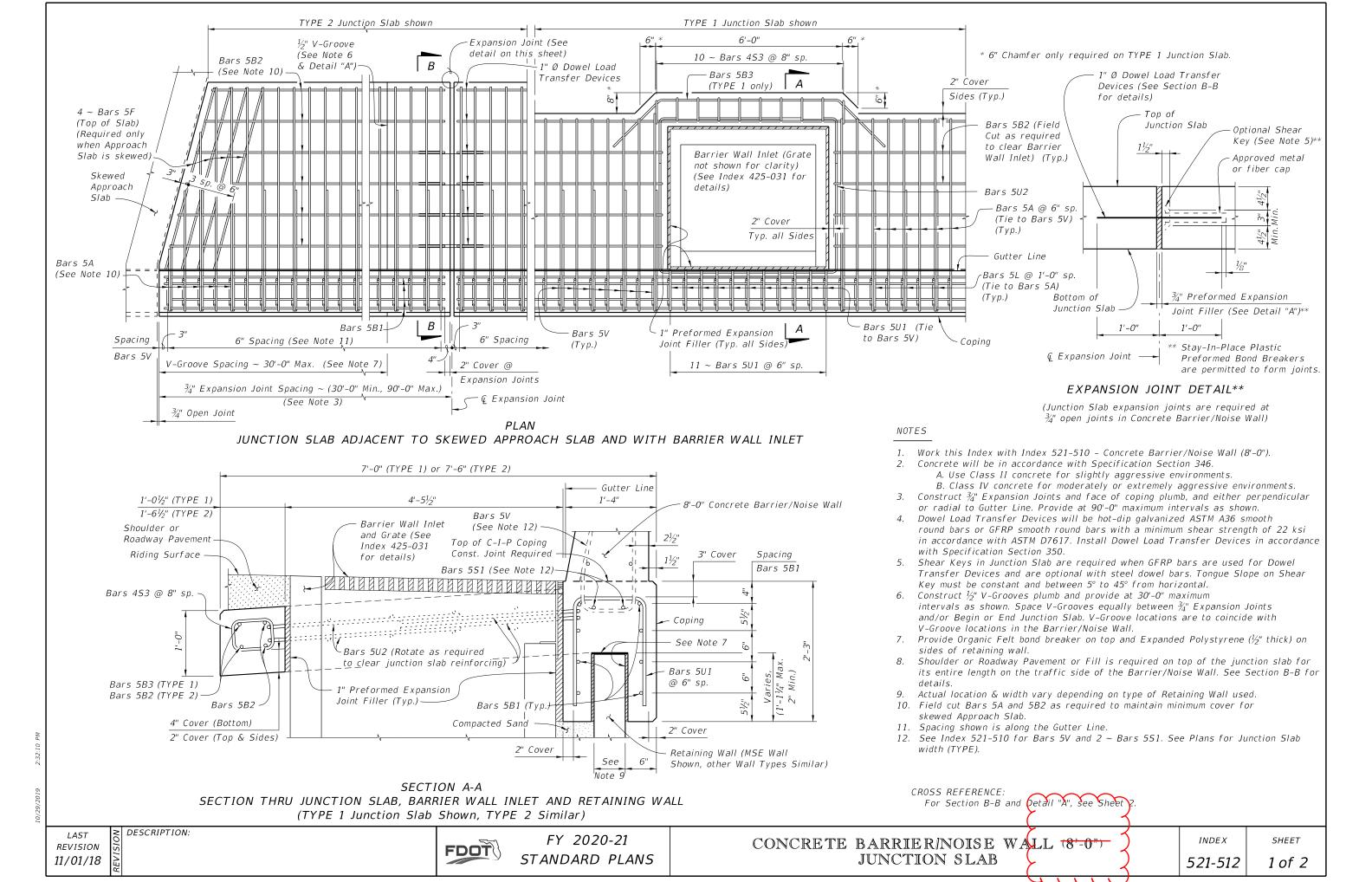
ORIGINATION FORM —

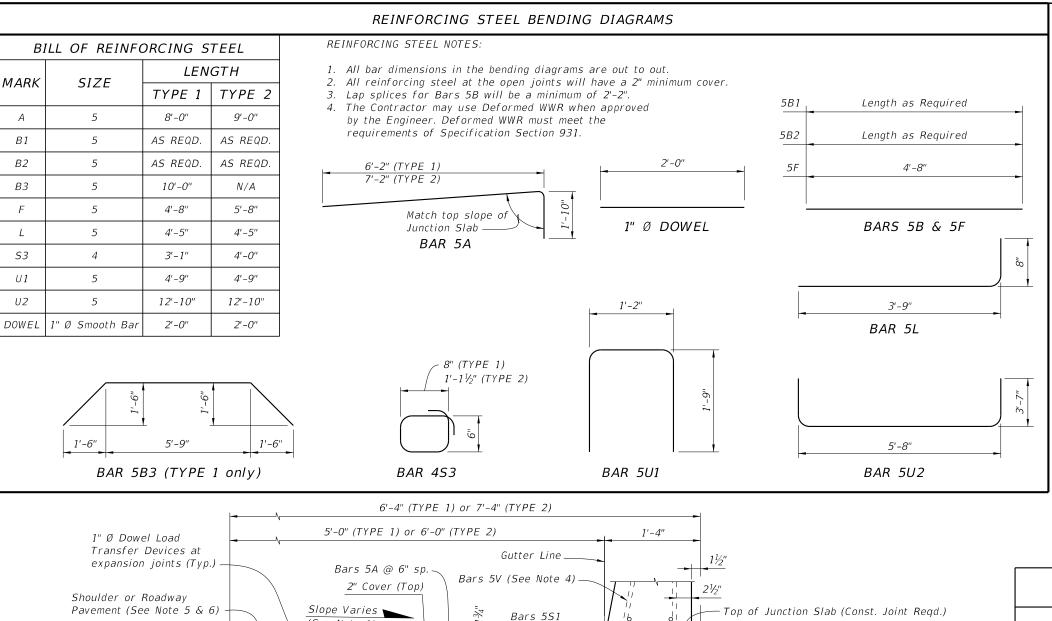
Proposed Revisions to a Standard Plans Index

(Please provide all information — Incomplete forms will be returned)			
Contact In	formation:	Standard Plans	<u>s:</u>
Date: Augu	st 28, 2020	Index Number: 5	21-512
Originator:	Cheryl Hudson	Sheet Number (s):	4
Phone: 414	-5332	Index Title: Concr	rete Barrier /Noise Wall - Junction Slab
Email: cher	yl.hudson@dot.state.fl.us		
Summary of the changes:			
Changed `	Title; Sheet 2 Changed Notes 5 & 6, Added note	es 8 & 9	
Commentary / Background: Note 8 & 9 from D-6. Notes 5 & 6 changes to match other Indexes. Other Affected Offices / Documents: (Provide name of 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) Yes N/A			Implementation:☐ Design Bulletin (Interim)☐ DCE Memo
	Redline Mark-ups		Program Mgmt. Bulletin
	Proposed Standard Plan Instruction (SPI)		FY-Standard Plans (Next Release)
	Revised SPI Other Support Documents		
	other support bucuments		

Contact the Roadway Design Office for assistance in completing this form

1.





(See Note 4)

-Bars 5L @ 1'-Ò" sp.

Organic Felt bond breaker

Retaining Wall (Varies)

SECTION B-B

TYPICAL SECTION THRU JUNCTION SLAB AND RETAINING WALL'2".

Optional Keyway

3 sp. @ 1'-0'' = 4'-0''

4 sp. @ 1'-0'' = 4'-0'' (TYPE 1)

5 sp. @ 1'-0" = 5'-0" (TYPE 2)

Expanded Polystyrene (1/2" Side(s))

3" Cover

— Coping

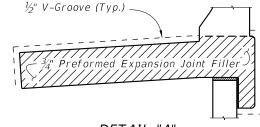
2" Cover

(See Note 7)

Spacing Bars 5B1

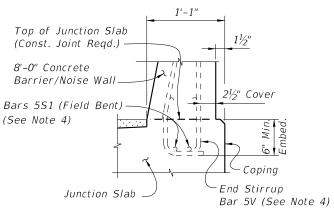
and placed with every other Bar 5A.

embedment. Minimum Lap splice length



DETAIL "A"

(Showing Locations of ½" V-Grooves and 3/4" Preformed Expansion Joint Filler)



PARTIAL END VIEW OF RAILING END TRANSITION FOR GUARDRAIL ATTACHMENT (Showing Bars 5V and Bars 5B1)

NOTE: See Index 521-510. Detail "A" for details.

ESTIMATED JUNCTION SLAB QUANTITIES QUANTITY ITEM UNIT TYPE 1 TYPE 2 0.305 CY/FT 0.268 Concrete (Junction Slab) LB/FT Reinforcing Steel (Typical) 31.72 34.85 Additional Reinf. @ Expansion Joint LB 21.36 21.36

- 1. Match Cross Slope of Travel Lane or Shoulder.
- Vary Junction Slab slope based on roadway cross slope to maintain a minimum 6" asphalt depth at the edge of the slab as shown.
- Actual width varies depending on type of Retaining Wall used See Index 521-510 for Bars 5V and Bars 551.
- For Rigid Pavement (Concrete), Junction Slab may be thickened to match finished grade.
- 6. See Roadway Plans for asphalt shoulder, roadway pavement and overbuild. 8. Bars 5L and 5C are grouped together

If slip forming is used, submit shop drawings for approval showing Expansion Joint support details and 2½" side cover with adjusted Typical Section dimensions. 9. Bar 5L to lap Bar 5C for minimum wall

CROSS REFERENCE:
For location of Section B-B, see Sheet 1.

REVISION 11/01/19

FDOT

(See Note 1)

FY 2020-21 STANDARD PLANS

CONCRETE BARRIER/NOISE WALL (8'-0") JUNCTION SLAB

INDEX *521-512*

SHEET 2 of 2

DESCRIPTION:

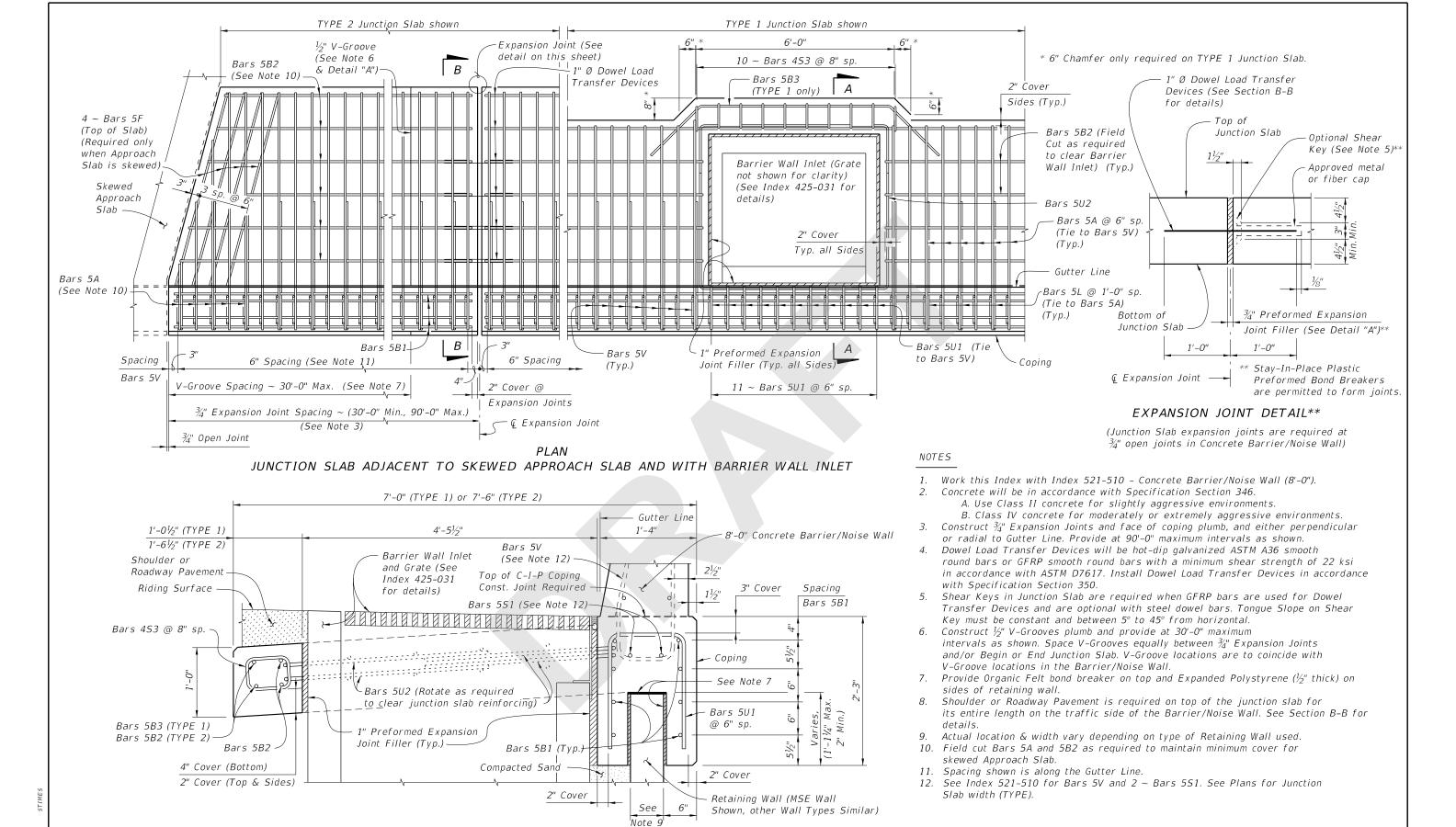
Optional Shear

Key @ Joint

Spacing Bars 5B2 3'

Bars 5B2 @ 1'-0" sp. (Typ.)

1" Ø Dowels



LAST **REVISION** 11/01/20

DESCRIPTION:

FDOT

SECTION A-A

SECTION THRU JUNCTION SLAB, BARRIER WALL INLET AND RETAINING WALL

(TYPE 1 Junction Slab Shown, TYPE 2)

FY 2021-22 STANDARD PLANS

CONCRETE BARRIER/NOISE WALL JUNCTION SLAB

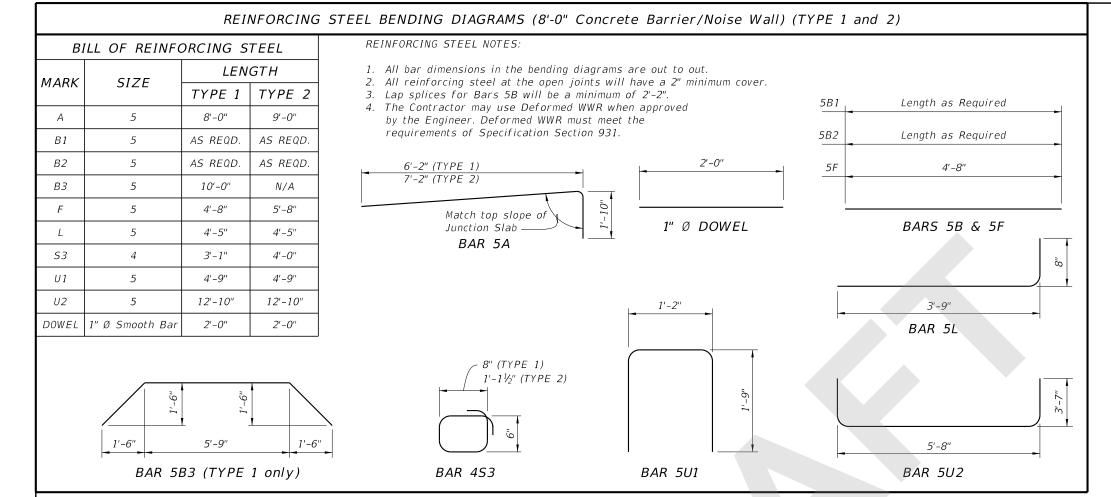
CROSS REFERENCE:

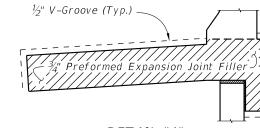
For Section B-B and Detail "A", see Sheet 2.

INDEX

SHEET

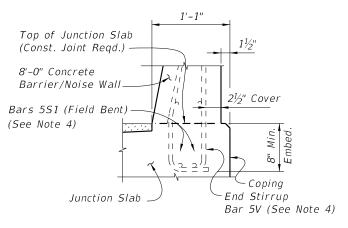
521-512 1 of 2





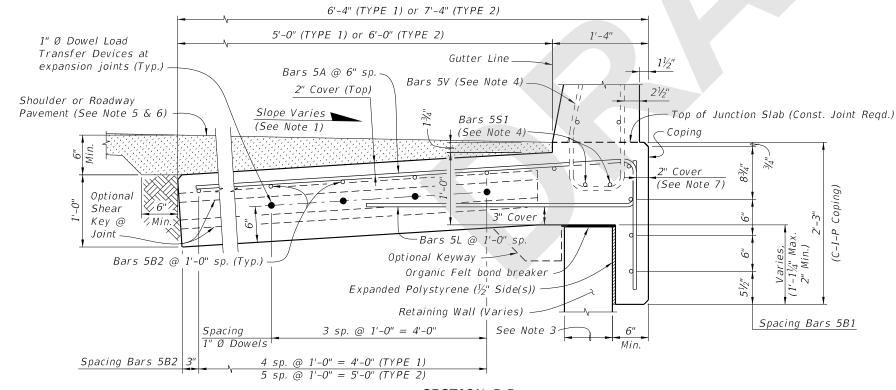
DETAIL "A"

(Showing Locations of ½" V-Grooves and 3/4" Preformed Expansion Joint Filler)



PARTIAL END VIEW OF RAILING END TRANSITION FOR GUARDRAIL ATTACHMENT (Showing Bars 5V and Bars 5B1)

NOTE: See Index 521-510, Detail "A" for details.



SECTION B-B TYPICAL SECTION THRU JUNCTION SLAB AND RETAINING WALL (8'-0" Concrete Barrier/Noise Wall)

ESTIMATED JUNCTION SLAB QUANTITIES QUANTITY ITEM UNIT TYPE 1 TYPE 2 Concrete (Junction Slab) CY/FT 0.268 0.305 Reinforcing Steel (Typical) LB/FT 31.72 34.85 Additional Reinf. @ Expansion Joint LB 21.36 21.36

NOTES:

- 1. Match Cross Slope of Travel Lane or Shoulder.
- 2. Vary Junction Slab slope based on roadway cross slope to maintain a minimum 6" asphalt depth at the edge of the slab as shown.
- 3. Actual width varies depending on type of Retaining Wall used.
- 4. See Index 521-510 for Bars 5V and Bars 5S1.
- 5. For Rigid Pavement (Concrete), Junction Slab may be thickened to match finished grade. Vary the Junction Slab slope to maintain a minimum 1'-6" thickness at the inside edge of the slab.
- 6. See Roadway Plans for asphalt shoulder, roadway pavement and overbuild.
- 7. If slip forming is used, submit shop drawings for approval showing Expansion Joint support details and $2\frac{1}{2}$ " side cover with adjusted Typical Section dimensions.
- 8. Bars 5L and 5C are grouped together and placed with every other Bar 5A.
- 9. Bar 5L to lap Bar 5C for minimum wall embedment. Minimum Lap splice length 2'-2".

CROSS REFERENCE:

For location of Section B-B, see Sheet 1.

LAST **REVISION** 11/01/20

DESCRIPTION:

FDOT

FY 2021-22 STANDARD PLANS CONCRETE BARRIER/NOISE WALL

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SHEET 2 of 2