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# TRAFFIC RAILING/NOISE WALL NOTES

CONSTRUCTION REQUIREMENTS : The Traffic Railing/Noise Wall and joints shall be constructed plumb, they shall not be constructed perpendicular to the roadway surface. Slip forming is not permitted.

CONCRETE : For Railing/Noise Wall on bridges see General Notes. For Wall and Footing mounted Railing/Noise Wall, concrete shall be Class II for slightly aggressive environments and Class IV for moderately or extremely aggressive environments.

NAME, DATE AND BRIDGE NUMBER : For Railing/Noise Wall on bridges, the Name and Bridge Number shall be placed on the Traffic Railing so as to be seen on the driver's right side when approaching the bridge. The Date shall be placed on the driver's left side when approaching the bridge. The Name shall be as shown in the General Notes in the Structures Plans. The Date shall be the year the bridge is completed. For a widening when the existing railing is removed, use both the existing date and the year of the widening. Black plastic letters and figures 3" in height may be used, as approved by the Engineer, in lieu of the letters and figures formed by  $\frac{3}{6}$ " V-Grooves. V-Grooves shall be formed by preformed letters and figures.

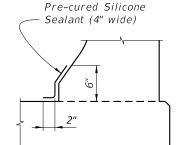
BARRIER DELINEATORS: Barrier Delineators shall meet Specification Section 993. Install Barrier Delineators 2'-4" above the riding surface at the spacing shown in the table below. Barrier Delineator color (white or yellow) shall match the color of the near edgeline. The cost of the Barrier Delineators shall be included in the Contract Unit Price for the Traffic Railing/Noise Wall.

BARRIER DELINEATOR SPACING		
Distance – Edge of Travel Lane to Face of Railing	Spacing (Ft.)	
< 4'	40'	
4' to 8'	80'	
> than 8'	None Required	

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INTERMEDIATE JOINT SEAL NOTES:

- 1. At Intermediate Open Joints, seal the lower 6" portion of the open joint with Pre-cured Silicone Sealant in accordance with Specification Section 932.
- 2. Apply sealant prior to any Class V finish coating and remove all curing compound and loose material from the surface prior to application of bonding agent.



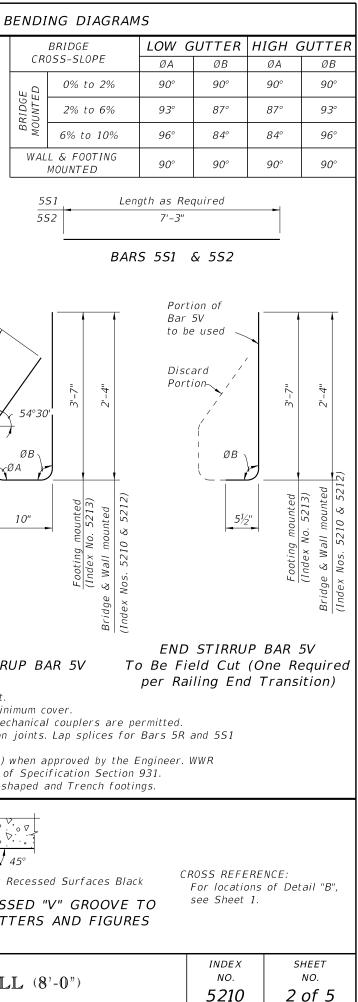
3. The cost of the Pre-cured Silicone Sealant shall be included in the Contract Unit Price for the Traffic Railing.

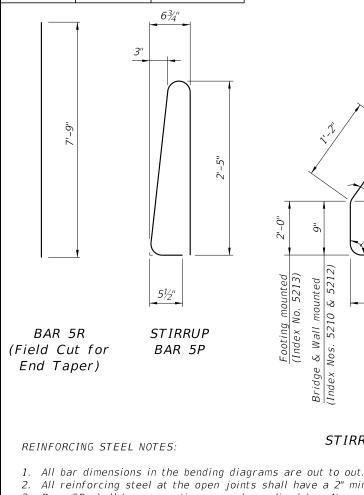
DETAIL "B" - SECTION AT INTERMEDIATE OPEN JOINT

ESTIMATED TRAFFIC RAILING/NOISE WALL QUANTITIES			
ITEM	UNIT	QUANTITY	
Concrete (Railing)	CY/LF	0.104	
Concrete (Noise Wall)	CY/LF	0.145	
Reinforcing Steel (Typical)	LB/LF	78.57	
Additional Reinf. @ Open Joint	LB	430.24	

(The above quantities are based on the bridge mounted typical section, 2% deck cross slope and railing on low side of deck.)

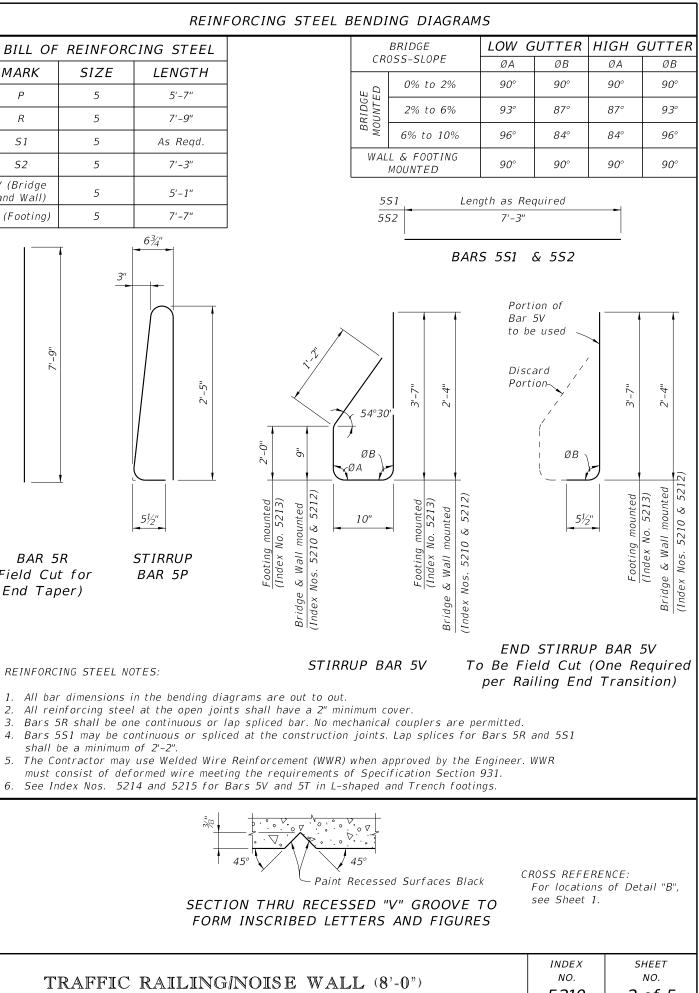
BILL OF REINFORCING STEEL		
MARK	SIZE	LENGTH
Р	5	5'-7"
R	5	7'-9"
51	5	As Reqd.
52	5	7'-3''
V (Bridge and Wall)	5	5'-1"
V (Footing)	5	7'-7"





2. All reinforcing steel at the open joints shall have a 2" minimum cover.

- shall be a minimum of 2'-2".
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- must consist of deformed wire meeting the requirements of Specification Section 931.

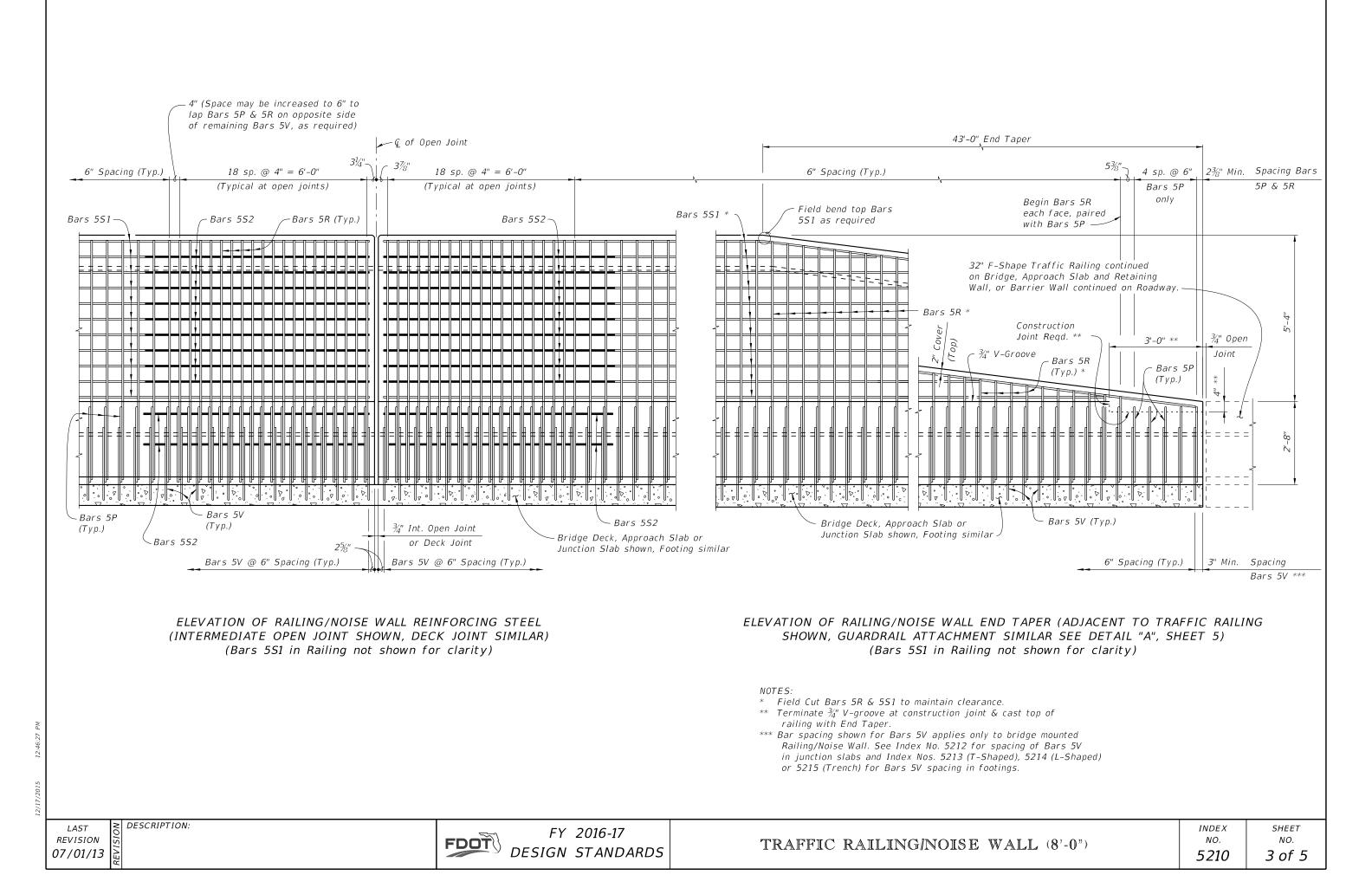


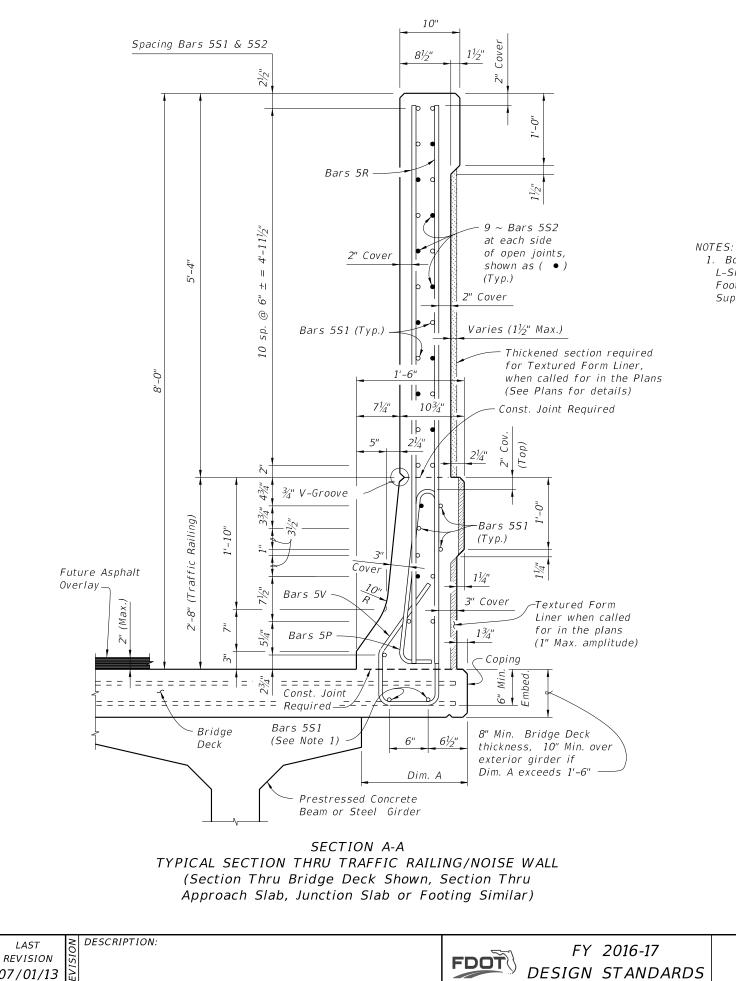
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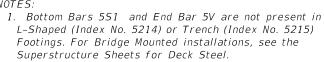
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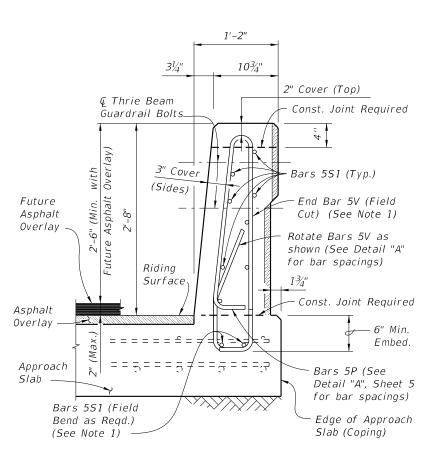


# TRAFFIC RAILING/NOISE WALL (8'-0")









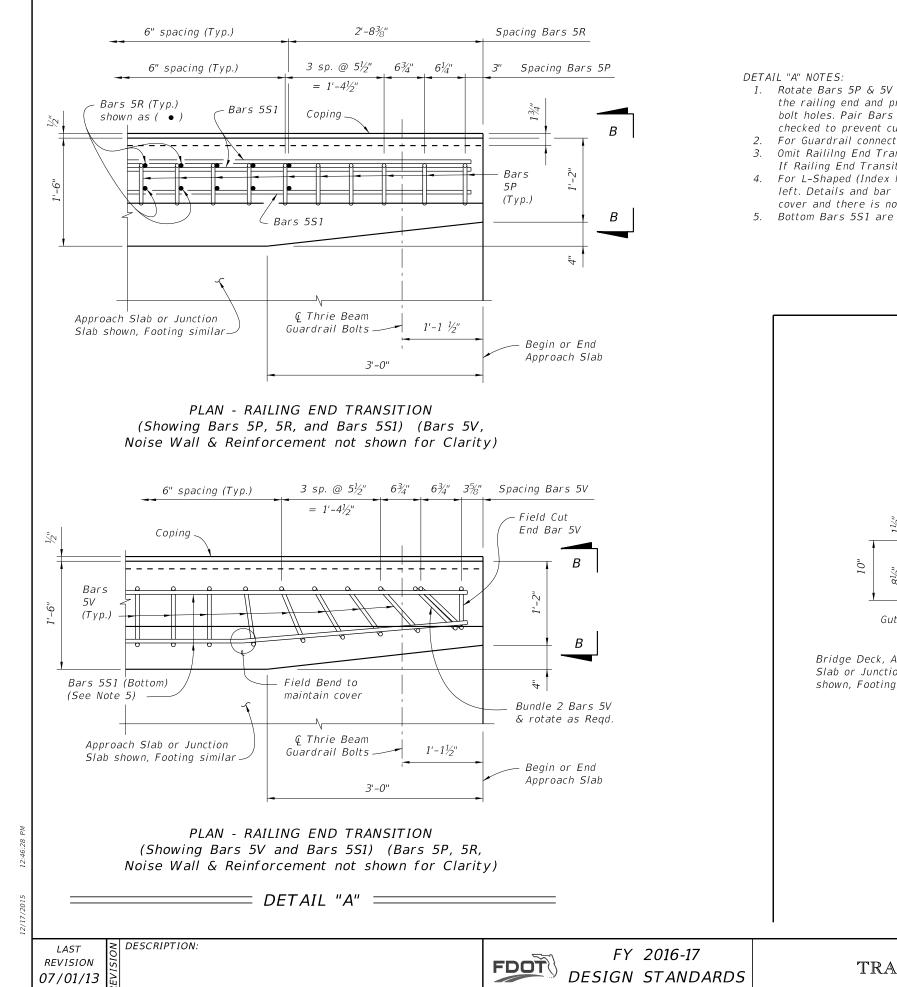
VIEW B-B END VIEW OF RAILILNG END TRANSITION FOR GUARDRAIL ATTACHMENT AT END OF APPROACH SLAB (Flexible Pavement Approach Slab Shown, Rigid Pavement Approach Slab, Junction Slab or Footing Similar)

07/01/13

TRAFFIC RAILING/NOISE WALL

CROSS REFERENCE: For locations of Section A-A see Sheet 1. For location of View B-B, see Sheet 5.

	INDEX	SHEET	
(8'-0")	NO.	NO.	
	5210	4 of 5	



- 1. Rotate Bars 5P & 5V in Railing End Transition to maintain cover. Begin placing Railing Bars 5P and 5V at the railing end and proceed toward the guardrail (thrie beam) terminal connector to ensure placement of guardrail bolt holes. Pair Bars 5R with Bars 5P as shown. Clearance of Bars 5P, 5R & 5V to guardrail bolt holes shall be checked to prevent cutting of bars if holes are to be drilled. Shift bars locally where conflicts occur.
- For Guardrail connection details see Design Standards Index No. 400.
- Omit Raililng End Transition if a 32" F-Shape Traffic Railing is used beyond the End Taper. See the Plan Sheets. If Railing End Transition is omitted, space Bars 5P, 5R & 5V at 6" as shown above (Typ.).
- 4. For L-Shaped (Index No. 5214) and Trench (Index No. 5215) footings, Bars 5V and 5T replace Bars 5V as shown at left. Details and bar spacing shown apply except that it is not necessary to rotate Bars 5V and 5T to maintain cover and there is no field cut End Bar 5V.
- 5. Bottom Bars 5S1 are not present in L-Shaped or Trench Footings.

