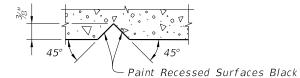


they shall not be constructed perpendicular to the roadway surface. CONCRETE: For Railing/Noise Wall on bridges see General Notes. For Wall

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.

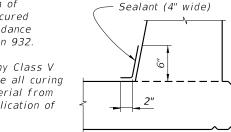
BARRIER DELINEATORS: Install Barrier Delineators 2'-4" above the riding surface in accordance with Specification Section 705. Match the Barrier Delineators color (White or Yellow) to the near edgeline.



SECTION THRU RECESSED "V" GROOVE TO FORM INSCRIBED LETTERS AND FIGURES

### 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.



Pre-cured Silicone

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

DESCRIPTION:

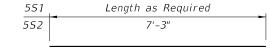
# DETAIL "B" - SECTION AT INTERMEDIATE OPEN JOINT

| ESTIMATED TRAFFIC<br>RAILING/NOISE WALL QUANTITIES |       |          |  |  |  |  |
|--|-------|----------|--|--|--|--|
| ITEM   | UNIT  | QUANTITY |  |  |  |  |
| Concrete (Railing)                                 | CY/LF | 0.107    |  |  |  |  |
| Concrete (Noise Wall)                              | CY/LF | 0.136    |  |  |  |  |
| Reinforcing Steel (Typical)                        | LB/LF | 69.36    |  |  |  |  |
| Additional Reinf. @ Open Joint                     | LB    | 254.75   |  |  |  |  |

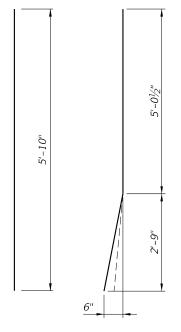
(The above quantities are based on the bridge mounted typical section, 2% deck cross slope and railing on low side of deck.)

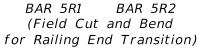
| BILL OF REINFORCING STEEL |      |          |  |  |  |  |
|---------------------------|------|----------|--|--|--|--|
| MARK                      | SIZE | LENGTH   |  |  |  |  |
| R1                        | 5    | 5'-10"   |  |  |  |  |
| R2                        | 5    | 7'-10"   |  |  |  |  |
| <i>S1</i>                 | 5    | As Reqd. |  |  |  |  |
| 52                        | 5    | 7'-3"    |  |  |  |  |
| V                         | 5    | 7'-1"    |  |  |  |  |
| R3                        | 5    | 2'-11½"  |  |  |  |  |
|                           |      |          |  |  |  |  |

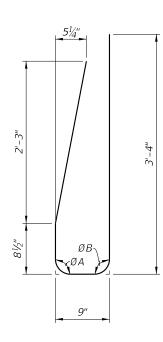
|  | BRIDGE<br>CROSS-SLOPE |           | LOW G | UTTER | HIGH C | GUTTER |
|--|-----------------------|-----------|-------|-------|--------|--------|
|  |                       |           | ØA    | ØB    | ØA     | ØB     |
|  | BRIDGE<br>MOUNTED     | 0% to 2%  | 90°   | 90°   | 90°    | 90°    |
|  |                       | 2% to 6%  | 93°   | 87°   | 87°    | 93°    |
|  |                       | 6% to 10% | 96°   | 84°   | 84°    | 96°    |



BARS 5S1 & 5S2







REINFORCING STEEL BENDING DIAGRAMS

STIRRUP BAR 5V



END STIRRUP BAR 5V To Be Field Cut (Railing End Transition)

## REINFORCING STEEL NOTES:

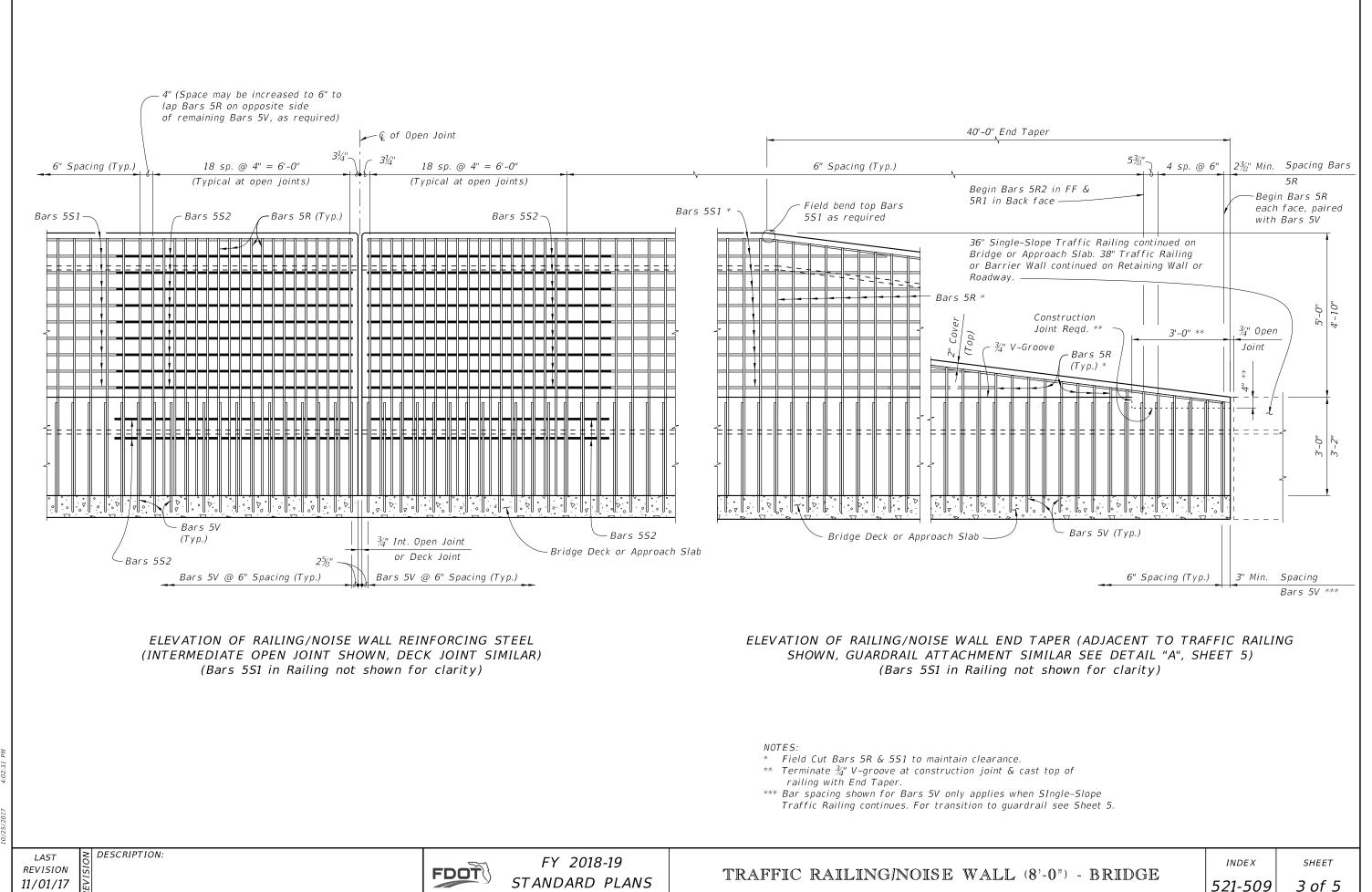
- 1. All bar dimensions in the bending diagrams are out to out.
- 2. All reinforcing steel at the open joints shall have a 2" minimum cover.
- 3. Bars 5R shall be one continuous or lap spliced bar. No mechanical couplers are permitted.
- 4. Bars 5S1 may be continuous or spliced at the construction joints. Lap splices for Bars 5R2 and 5S1 shall be a minimum of 2'-2".
- 5. The Contractor may use Welded Wire Reinforcement (WWR) when approved by the Engineer. WWR must consist of deformed wire meeting the requirements of Specification Section 931.

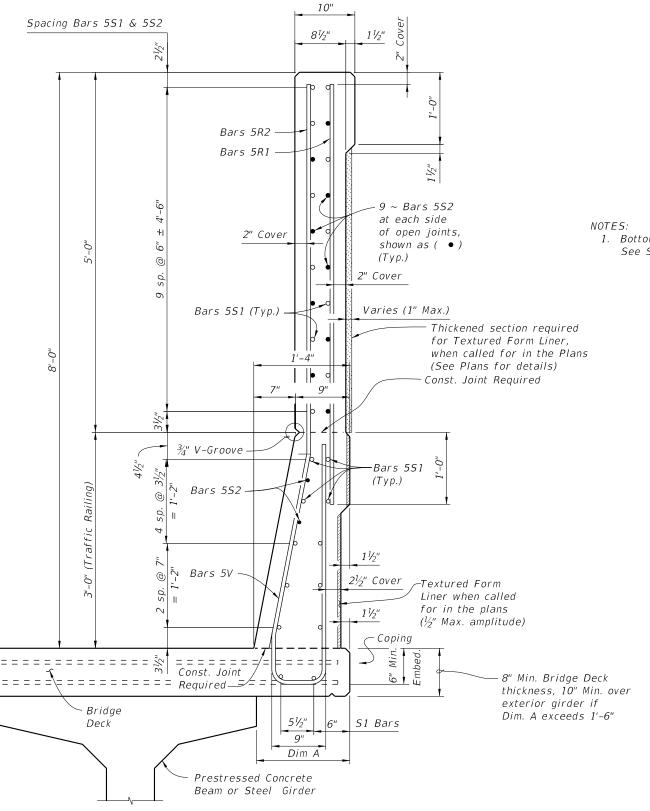
CROSS REFERENCE: For locations of Detail "B", see Sheet 1.

**REVISION** 11/01/17

**FDOT** 

FY 2018-19 STANDARD PLANS



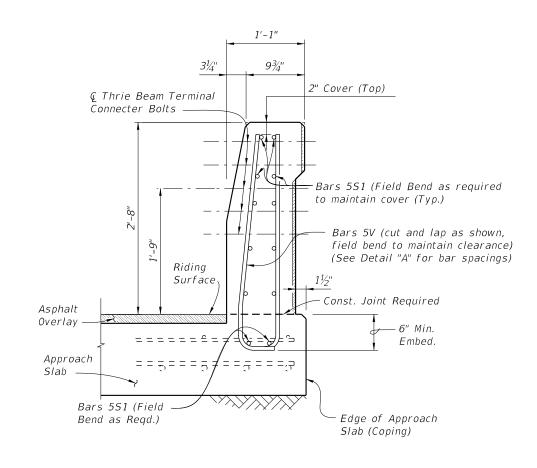


SECTION A-A TYPICAL SECTION THRU TRAFFIC RAILING/NOISE WALL (Section Thru Bridge Deck Shown, Section Thru Approach Slab Similar)

CROSS REFERENCE:

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

1. Bottom Bars 5S1 shown are part of the Traffic Railing/Noise Wall reinforcing. See Superstructure Sheets in the Plans for additional Bridge Deck Reinforcing.



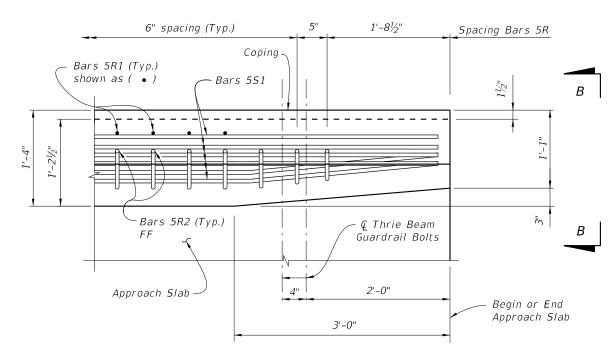
VIEW B-B END VIEW OF RAILILNG END TRANSITION FOR GUARDRAIL ATTACHMENT AT END OF APPROACH SLAB (Flexible Pavement Approach Slab Shown, Rigid Pavement Approach Slab Similar)

**REVISION** 11/01/17

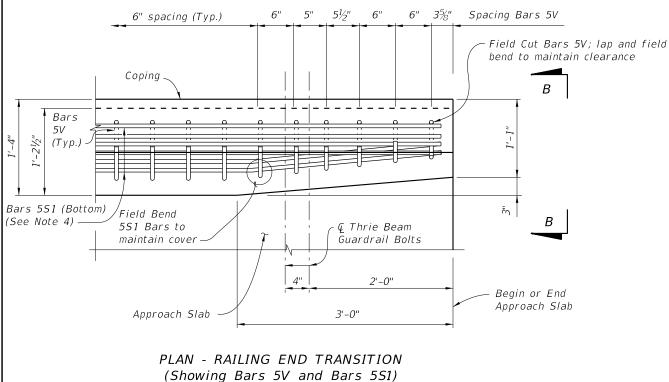
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FY 2018-19 STANDARD PLANS

DESCRIPTION:



PLAN - RAILING END TRANSITION (Showing Bars 5R, and Bars 5S1) (Bars 5V & Noise Wall Reinforcement not shown for Clarity)

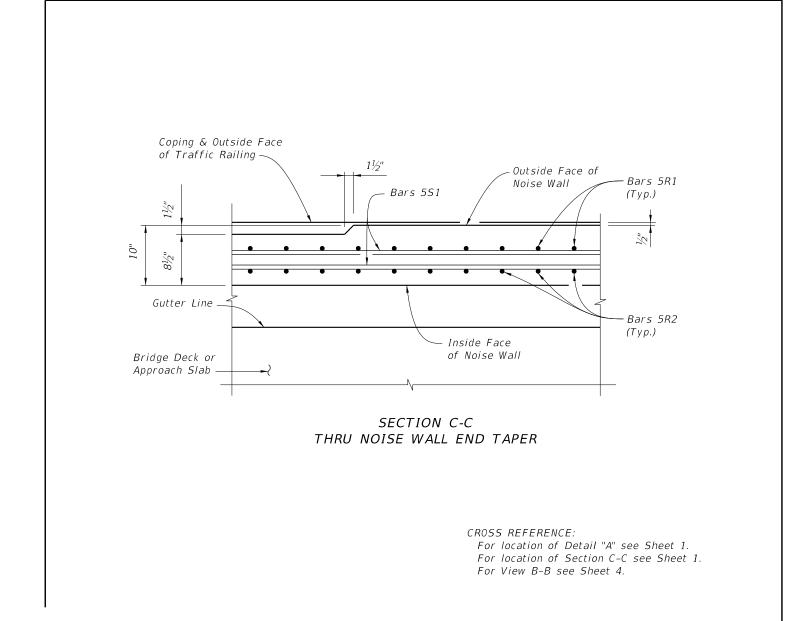


# (Bars 5R not shown for Clarity)

DETAIL "A"

#### DETAIL "A" NOTES:

- 1. Begin placing Railing Bars 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 5V as shown. Clearance of Bars 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 Index 536-001.
- Omit Raililng End Transition if a 36" Single-Slope Traffic Railing is used beyond the End Taper. See the
- 4. Field cut Bars 5R1 to maintain cover. Field cut Bars 5V and lap as necessary to maintain cover; field cut & bend Bars 5R2 front leg (more plumb) to maintain cover and tie to S1 Bars.



DESCRIPTION: