

REVISION 11/01/20

DESCRIPTION:

FDOT

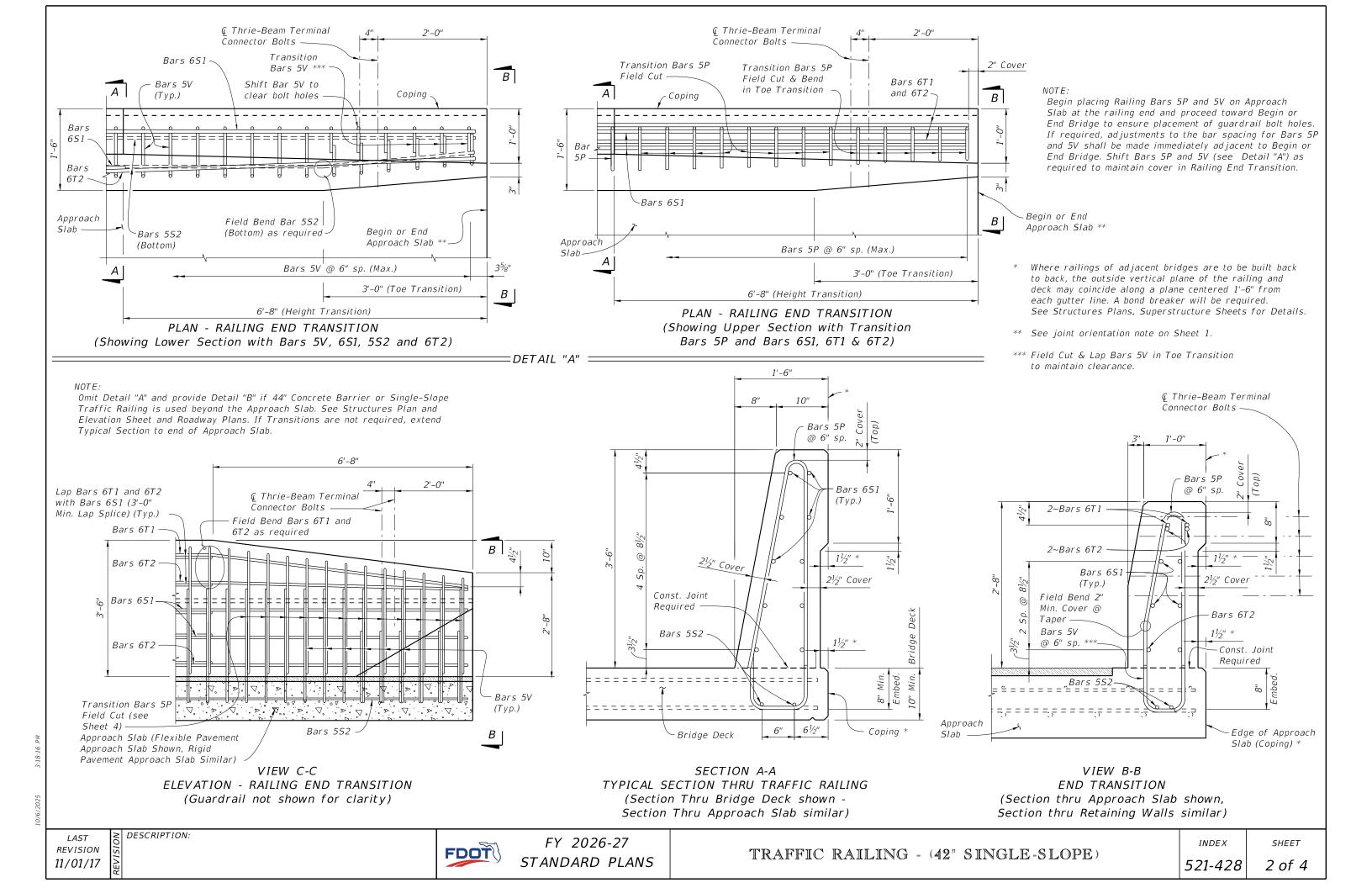
FY 2026-27 STANDARD PLANS

TRAFFIC RAILING - (42" SINGLE-SLOPE)

INDEX

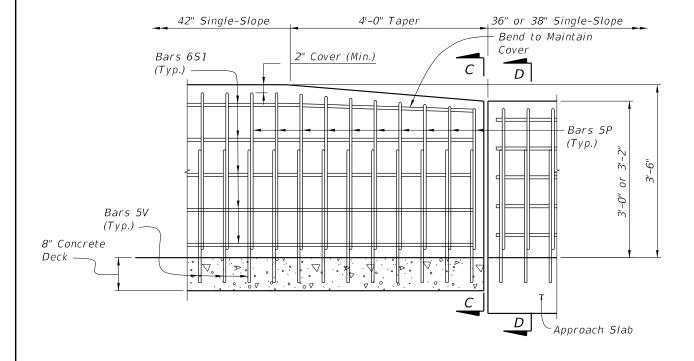
SHEET

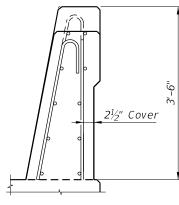
1 of 4



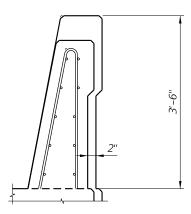
NOT

- 1. Provide Detail "B" height transition where 42" Traffic Railings are required on bridge, and 36" or 38" Barriers are shown on approaches. See Structures Plans for coping details.
- 2. Work Detail "B" with Indexes 400-090 or 400-091, 521-427, and 521-610 as necessary.
- 3. Field cut 5P Bars as shown to maintain 2" min. (4" max.) cover at top of traffic railing.





VIEW C-C RAILING HEIGHT TRANSITION (Begin/End of Bridge) (Bars 5V not shown for clarity)



SECTION D-D (Index 400-091 Shown, 400-090 Similar) (Index 521-427 Bars 4V not shown for Clarity)

DETAIL "B"

DESCRIPTION:

CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

BILL OF REINFORCING STEEL				
MARK	SIZE	LENGTH		
Р	5	7'-0"		
51	6	As Reqd.		
<i>52</i>	5	As Reqd.		
T1 & T2	6	10'-0"		
V	5	5'-9"		

Length as Required

BARS 651 & 552

Bend Inside

Field Bend

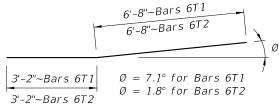
(as required

to maintain cover)

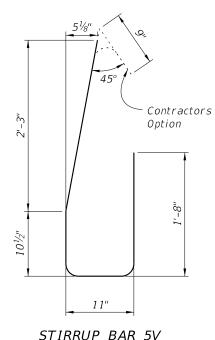
Dia. = 3"

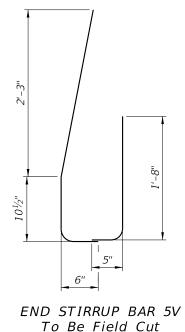
ROADWAY	LOW GUTTER	HIGH GUTTER
CROSS-SLOPE	ØВ	ØВ
0% to 2%	101°	101°
2% to 6%	98°	104°
6% to 10%	95°	107°

ØA and ØB shall be 90° if Contractor elects to place Railing perpendicular to the Deck.



TRANSITION BARS 6T1 & 6T2 (2~Bars 6T1 & 3~Bars 6T2 required per Railing End Transition)





and Lapped

STIRRUP BAR 5P

11½"

71/4" 41/4"

TRANSITION STIRRUP BAR 5P To Be Field Cut (10 of each required per Railing End Transition)

Field Cut &

Discard

REINFORCING STEEL NOTES:

DESCRIPTION:

- 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 6S1 may be continuous or spliced at the construction joints. Lap splices for Bars 6S1 and 5S2 shall be a minimum of 3'-0" and 2'-2", respectively.
- 4. The Contractor may utilize deformed WWR when approved by the Engineer. WWR must meet the requirements of Specification Section 931.

Paint Recessed

INTERMEDIATE JOINT SEAL NOTES.

Pre-cured Silicone

Sealant (4" wide)

with Specification Section 932.

prior to application of bonding agent.

1. At Intermediate Open Joints, seal the lower 6" portion of the open joint with Pre-cured Silicone Sealant in accordance

2. Apply sealant prior to any Class V finish coating and remove all curing compound and loose material from the surface

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

4. As an alternative option, a mortar plug may be used to

seal the joint as shown in the mortar plug detail and

OPTION I

OPTION II

(Alternative Mortar Plug at Open Joint)

DETAIL "C"

Surfaces Black

Mortar ·Plug

in accordance with Specification Section 400.

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

ESTIMATED TRAFFIC RAILING QUANTITIES			
ITEM	UNIT	QUANTITY	
Concrete	CY/LF	0.143	
Reinforcing Steel	LB/LF	39.34	

Note:

The estimated railing quantities are based on a 2% deck cross slope; railing on low side of deck.

FDOT

REVISION

11/01/25