
ORIGINATION FORM

Proposed Revisions to a Standard Plans Index (Please provide all information — Incomplete forms will be returned)

Contact Information:

Date: February 12, 2020

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Standard Plans:

Index Number: 521-426

Sheet Number (s): 1

Index Title: Traffic Railing - (Median 36" single Slope)

Summary of the changes:

Numbered and reorganized Notes; Deleted MASH note.

Commentary / Background:

MASH crash criteria met is in the SPI (not a construction note). Numbered notes to make them consistent with other Indexes and within the Single-Slope Traffic Railings.

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:

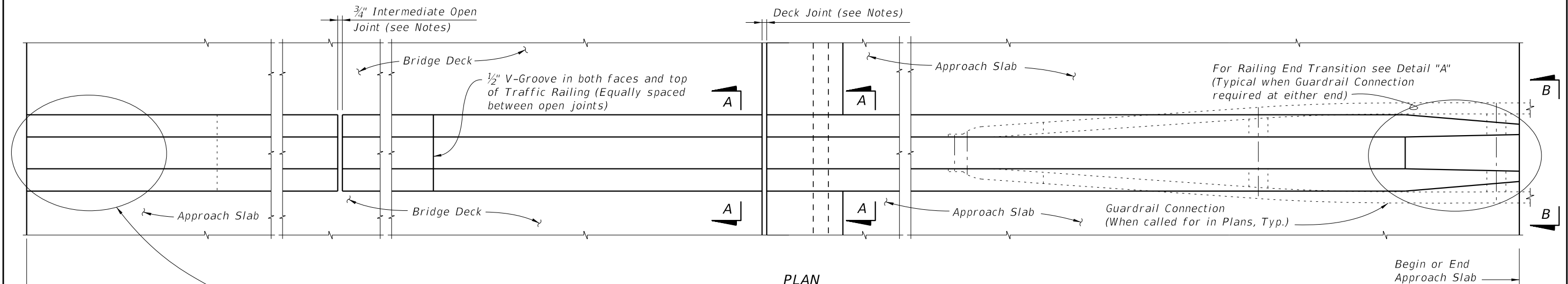
(Email or hand deliver package to Rick Jenkins)

Yes	N/A	
☒	☐	Redline Mark-ups
☐	☐	Proposed Standard Plan Instruction (SPI)
☐	☐	Revised SPI
☐	☐	Other Support Documents

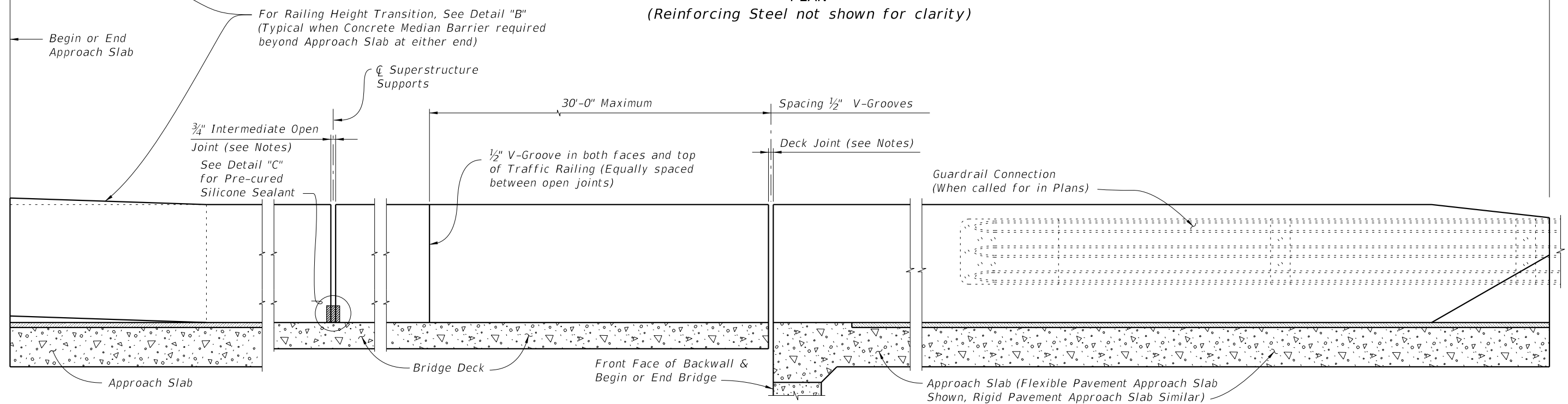
Implementation:

- ☐ Design Bulletin (Interim)
- ☐ DCE Memo
- ☐ Program Mgmt. Bulletin
- ☐ FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form



PLAN
(Reinforcing Steel not shown for clarity)



ELEVATION
(Reinforcing Steel not shown for clarity)

CROSS REFERENCE:
For Section A-A, View B-B, Detail "A"
and Detail "B" see Sheet 2.

For Detail "C" see Sheet 4.

TRAFFIC RAILING NOTES

~~This railing has been structurally evaluated to be equivalent or greater in strength to other single slope railings which have been crash tested to MASH TL 4 criteria.~~

CONCRETE AND REINFORCING STEEL: See Structures Plans, General Notes.

GUARDRAIL: For Guardrail Connection details see Index 536-001.

SUPERELEVATED BRIDGES: At the option of the Contractor the Traffic Railing on superelevated bridges may be constructed perpendicular to the roadway surface. If an adjoining railing is constructed plumb, transition the end of the Traffic Railing from perpendicular to plumb over a minimum distance of 20'-0".

The cost of all modifications will be at the Contractor's expense.

BARRIER DELINEATORS: Install Barrier Delineators on top of the Traffic Railing along the centerline in accordance with Specification Section 705. Match the Barrier Delineator to the color (white or yellow) of the near edgeline.

V-GROOVES: Construct 1/2" V-Grooves plumb. Space V-Grooves equally between 3/4" open joints and/or Deck Joints.

JOINTS: See Plans, Superstructure, Approach Slab and Retaining Walls Sheets for actual dimensions and joint orientation. Provide open Railing Joints at Deck Expansion Joint locations matching the dimensions of the Deck Joint. For treatment of Railings on skewed bridges see Sheet 3.

Provide 3/4" Intermediate Open Joints at:

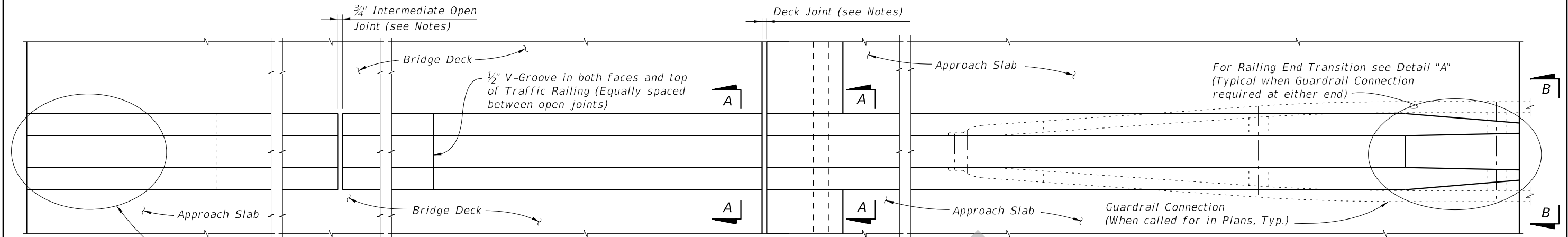
- (1) - Superstructure supports where slab is continuous.
- (2) - Ends of Approach Slabs adjacent to a Roadway Median Barrier.

END TRANSITIONS: When guardrail approaches are shown in the Plans, provide the Railing End Transition as shown in Detail "A". When a Concrete Median Barrier is shown on the approaches, provide the Railing Height Transition as shown in Detail "B".

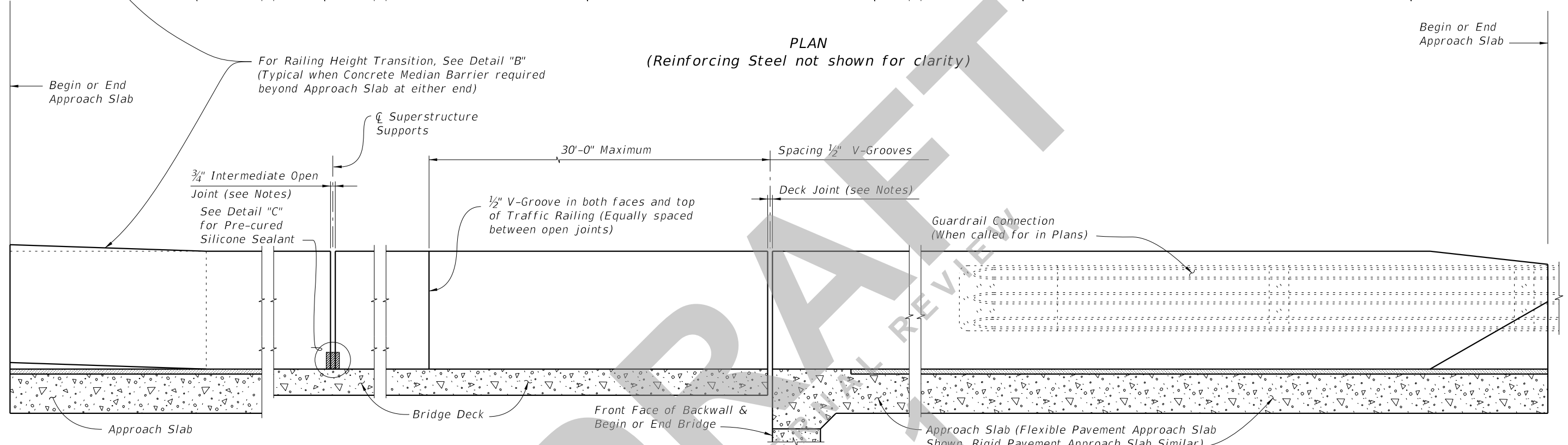
Numbered and reorganized Notes

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LAST REVISION	DESCRIPTION:	FY 2020-21 STANDARD PLANS	INDEX	SHEET
11/01/18			521-426	1 of 4



PLAN
(Reinforcing Steel not shown for clarity)



ELEVATION
(Reinforcing Steel not shown for clarity)

TRAFFIC RAILING NOTES

1. Materials: See Structures Plans, General Notes

2. Guardrail Connection Details: See Index 534-001

3. Superelevation: Traffic Railings on Superelevated bridges may be constructed perpendicular to the roadway surface. If an adjoining railing is constructed plumb, transition the end of the Traffic Railing from perpendicular to plumb over a minimum distance of 20'-0". The cost of all modifications will be at the Contractor's expense.

4. Open Joints: See the Superstructure Plans, Approach Slab and Retaining Wall Sheets for Deck Joint dimensions and orientation. Provide Open Railing Joints matching the dimensions of the Deck Joint at Deck Expansion Joint locations.

A. For treatment of railings on skewed bridges see Sheet 3.
5. Open Joints: Provide 3/4" Open Joints at:

A. Superstructure supports where the slab is continuous.

B. At ends of approach slabs when adjacent to retaining walls and at expansion joints on retaining wall junction slabs.

6. V-Grooves: Construct 1/2" V-Grooves plumb. Space V-Grooves equally between 3/4" Open Joints and/or Deck Joints.

7. Barrier Delineators: Install Barrier Delineators on top of the Traffic Railing along the centerline in accordance with Specification Section 705. Match the Barrier Delineator to the color (white or yellow) of the near edgeline.

8. Traffic Railing Transitions: see the Plans for type and location

A. Transition to guardrail: see Detail "A".

B. Transition to 38" Concrete Median Barrier: see Detail "B".

9. See Superstructure Plans for drainage slot locations and size (when required). See Index 521-427 Sheet 5 for details.

10. For embedded conduit and junction boxes see Index 630-010.

CROSS REFERENCE:
For Section A-A, View B-B, Detail "A"
and Detail "B" see Sheet 2.

For Detail "C" see Sheet 4.

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LAST REVISION 11/01/20		REVISION	DESCRIPTION:	 FY 2020-21 STANDARD PLANS	TRAFFIC RAILING - (MEDIAN 36" SINGLE-SLOPE)	INDEX	SHEET
						521-426	1 of 4