# **ORIGINATION FORM**

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

### **Contact Information:**

Date: August 1, 2018 Originator: Richard Stepp Phone: (850) 414-4313 Email: richard.stepp@dot.state.fl.us

### Standard Plans:

Index Number: 536-002 Sheet Number (s): Sheets 3,4 Index Title: Guardrail Transitions and Connections for Existing Bridges

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### Summary of the changes:

Sheet 3: Remove Departure Line

Sheet 4: Remove Crash Cushion sizing information. Unless otherwise shown in the Plans, there is no sizing limitation on contractor selection.

## **Commentary / Background:**

Crash Cushions, Index 544-001 has been redeveloped with a new length of need departure line assumption. As part of the Crash Cushion updates, outdated information in Index 536-002 is being removed.

		Other Affected Offices / Documents: (Provide name of responsible personnel)				
Yes	No 🔽	Other Standard Plans –				
	$\checkmark$	FDOT Design Manual –				
$\checkmark$		Basis of Estimates Manual – Melissa Hollis				
	$\checkmark$	Standard Specifications –				
	$\checkmark$	Approved Product List –				
	$\checkmark$	Construction –				
	$\checkmark$	Maintenance –				
Yes	N/A	<b>Origination Package Includes:</b> (Email or hand deliver package to Derwood Sheppard) Redline Mark-ups				
		Proposed Standard Plan Instructions (SPI)				
		Revised SPI				
	$\checkmark$	Other Support Documents				
Impl	eme	ntation:				
De	esign	Bulletin (Interim) 🔲 DCE Memo 📄 Program Mgmt. Bulletin 🗹 FY-Standard Plans (Next Release)				
		Contact the Roadway Design Office for assistance in completing this form				



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STANDARD PLANS

CONNECTIONS FOR EXISTING B

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Note: The guardrail configurations shown apply only to parallel or near parallel bridges with open medians.

GUARDRAIL LENGTHS							
MEDIAN	6' BRIDGE SHOULDERS					10' BRIDGE	SHOULDERS
WIDTH	1:10 TAPER RATE		1:15 TAPER RATE		1:10 TAPER RATE		1:15 TA
(Ft.)	PANELS (No.)	LENGTH (Ft.)	PANELS (No.)	LENGTH (Ft.)	PANELS (No.)	LENGTH (Ft.)	PANELS (No.
30	12.5	156.25	18.5	231.25	6.5	81.25	9.5
28	11.5	143.75	16.5	206.25	5.5	68.75	7.5
26	9.5	118.75	14.5	181.25	5.5*	68.75	5.5*
24	8.5	106.25	11.5	143.75	5.5*	68.75	5.5*

The lengths shown in this table are based on standard widths for roadway and bridge median shoulders. Length requirements for both standard width and narrow bridge shoulders and end anchorage or end shielding requirements shall be determined on a site specific basis. The number of panels may be reduced when installing a crash cushion more than 2.5' in width; see \* below.

\*Number shown is the minimum number of panels plus a W-Thrie beam transition panel; single faced guardrail must have a length of five (5) or more panels.

APPROACH GUARDRAIL TREATMENTS FOR BRIDGES WITH CONCRETE TRAFFIC RAILING EXTENDING LESS THAN FULL APPROACH SLAB LENGTH IN NARROW MEDIANS WITH FLUSH SH

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