ORIGINATION FORM •

Proposed Revisions to a Standard Plans Index

(Please provide all information — Incomplete forms will be returned)

Contact Information:

Date: February 13, 2020

Originator: Tim Holley

Phone: (850) 414-4117

Email: Tim.Holley@dot.state.fl.us

Summary of the changes:

Reorganized Index, Added additional Sheets.

Sheet 1: General Notes

Sheet 2: Dimensional, Reinforcement, and Steel Grate Details

Sheet 3: Inlet Collar Dimensional, Reinforcement, and Backwall Plate Details

Sheet 4: Shoulder Pavement Wrap, Barrier Type Examples, and Structure Bottoms

Commentary / Background:

Reorganized Details and Sheets to declutter Index. Moved information from detail callouts to Notes in order to decrease clutter of the drawing. Moved design information to SPI.

Other Affected Offices / Documents: (Provide name of person contacted)

Yes		Other Standard Plans – FDOT Design Manual – Basis of Estimates Manual – Standard Specifications – Approved Product List – Construction – Maintenance –		
Orig (Ema Yes ☑ □	inatic il or ha N/A	on Package Includes: and deliver package to Rick Jenkins) Redline Mark-ups Proposed Standard Plan Instruction (SPI) Revised SPI Other Support Documents	Imp □ D □ D □ P F	<u>lementation:</u> esign Bulletin (Interim) CE Memo rogram Mgmt. Bulletin Y-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form -

Index Number: 425-031 Sheet Number (s): ALL Index Title: Adjacent Barrier Inlet



425-031



GENERAL NOTES:

- 1. Work this Index with Index 425-001 and Index 425-010.
- 2. When called for in the Plans, use this inlet in conjunction with median or shoulder barrier per Index 521-001 or a barrier with junction slab and wall coping per Index 521-610.
- 3. Reinforce the upper 2'-3" of the inlet in accordance with sections CC, DD, and EE regardless of construction method.
- 4. Chamfer exposed edges and corners to $\frac{3}{4}$ " or tool to $\frac{1}{4}$ " radius.
- 5. Field installation of a roller bar will not be permitted. Adjust tolerance during fabrication or casting, or, match grate to structure prior to galvanizing.
- 6. Use Grade 60, #4 bars for reinforcing steel. See Index 425-001 for equivalent area of welded wire fabric.
- 7. Dimensions are for both precast and cast-in-place inlets unless otherwise noted.
- 8. Anchor bolts: Use either ASTM A307 hex head bolts cast-in-place, or ASTM A36 or F1554 (Grade 36) galvanized fully threaded rod, adhesive bonded anchors installed in accordance with Specification 416. Rods must be a minimum of 6" long with 4" minimum embedment with one ASTM 194 or A563 heavy hex head nut and one ASTM F436 flat washer each. Hot-dip galvanize anchor bolts, nuts, and washers.
- 9. Reduce Cross Slope: Use a flatter cross slope as required to match adjacent grading per the Plans. Reduce vertical dimensions and bar spacing as needed to maintain concrete cover as shown.



TABLE OF CONTENTS:				
Sheet	Description			
1	General Notes and Contents			
2	Dimensional, Reinforcement, and Steel Grate Details			
3	Inlet Collar Dimensional, Reinforcement, and Backwall Plate Details			
4	Shoulder Pavement Wrap, Barrier Type Examples, and Structure Bottoms			

ADJACENT BARRIER INLET (Shoulder Barrier Similar)

ST	N	DESCRIPTION:
SION	SIC	
1/20	1	



ADJACENT BARRIER INLE

л		-	
T	INDEX	SHEET	
Evi			
ulder , edge of pavenic			
Pavement)		
>			
D			
$\begin{pmatrix} \cdot & 0 \\ \nabla & \cdot \\ \nabla & \cdot \\ 0 \end{pmatrix}$			
>			



REVISION



T, AND BACKWAL	L PLATE	DETAILS
רוד	INDEX	SHEET
1	425-031	3 of 4

