# Origination Form Proposed Revisions to a Standard Plans Index

Originator:	Stepp, Richard; Turley, Josh	Index Number:	521-001
Date:	4/18/2024	Sheet Number(s):	2, 11, 13, 16, 18, 20, 26
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#### Summary of the changes:

Sheet 2: In the Elevation view, added "Begin/End Median Barrier Sta." callout at the Traffic Railing connection

Sheet 11: Changed Bar 5C2 to Bar 4C2

Sheet 13: In the Elevation view, added "Begin/End Shldr. Barrier Sta." callout at the Traffic Railing connection

Sheet 16: Changed Bar 5C2 to Bar 4C2

Sheet 18: Changed Bar 5C2 to Bar 4C2

Sheet 20: In Section A-A, added a 7" Max (Typ.) dimension between the top of the "Sidewalk or Sod" and the top of the footing; In the Elevation view, added "Begin/End Curb & Gutter Barrier Sta." callout at the Traffic Railing connection

Sheet 26: Reduced bar 5C2 to a number 4 bar and relabeled as 4C2; Updated Bill of Reinforcing Steel Table accordingly; Added new Note 4, which reads "Bar 4C2 may be substituted with a number 5 bar with the minimum practical inner diameter. If needed for final placement, skew bars about the vertical axis to ensure concrete cover requirements are met."

### Commentary/Background:

Sheet 11, 16, & 26: The minimum practical inner diameter for a number 5 bar would not allow for Bar 5C2 to meet cover requirements as shown in the barrier details. Changing this to a number 4 bar instead will resolve this issue while still meeting the need. This issue was reported by a manufacturer and verfied by the SDO. Last, a note was added to still allow for the number 5 bar with a skew so that existing bar inventories may still be used.

Sheet 20: A consultant inquired about the mininum height of the back of barrier next to the sidewalk. This was determined to be 31", which is consistent with the 31" W-Beam Guardrail policy in FDM 222.4 for Pedestrian Drop-off Hazards. Adding the proposed 7" dimension will ensure at least 31" height of barrier is provided on the sidewalk side.

Other Affected Documents/Offices	Person Contacted	Affected (Yes/No)
Other Standard Plans		No
FDOT Design Manual		No
Standard Specifications		No

Basis of Estimates Manual	No	
Approved Product List	No	
Construction Office	No	
Maintenance Office	No	

# Implementation

["FY-Standard Plans (Next Release)"]



## MEDIAN BARRIER

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STANDARD PLANS

11/01/18

CONCRETE BARRIER





LAST REVISION 11/01/22











11"





BAR 4U2













BAR 4V3



## MEDIAN BARRIER

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BILL OF REINFORCING STEEL		
MARK	SIZE	LENGTH
C1	4	3'-8"
C2	4	3'-0"
U1	4	5'-1"
U2	4	7'-8"
U3	5	9'-7"
U4	5	5'-9"
V1	4	6'-4"
V2	5	6'-3"
V3	4	5'-10"

1. Work with the Standard Bar Bending Details per Index 415-001.

2. All bar dimensions in the bending diagrams are out to out.

3. Use standard inner diameters for bar bending unless otherwise shown.

4. Bar 4C2 may be substituted with a number 5 bar with the minimum practical inner diameter.

If needed for final placement, skew bars about the vertical axis to ensure concrete

cover requirements are met.







BAR 4U2

BAR 4V1



BAR 5U3

LAST REVISION 11/01/24 NOTES:



FY 2025-26 STANDARD PLANS

CONCRETE BARRIER

11"









