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## ORIGINATION FORM

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

**Contact Information:**

Date: January 14, 2020

Originator: Cheryl Hudson

Phone: 414-5332

Email: cheryl.hudson@dot.state.fl.us

**Standard Plans:**

Index Number: 450-451

Sheet Number (s): ALL

Index Title: 12" Florida Slab Beam

**Summary of the changes:**

NEW Index

**Commentary / Background:**

Changing from Developmental SP to SP

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

- | Yes                                 | No                                  |  |
|-------------------------------------|-------------------------------------|--|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Other Standard Plans –                             |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | FDOT Design Manual –                               |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Basis of Estimates Manual – Change from DEV        |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Standard Specifications – Specification 450 update |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Approved Product List –                            |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Construction –                                     |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Maintenance –                                      |

**Origination Package Includes:**

(Email or hand deliver package to Rick Jenkins)

- | Yes                      | N/A                                 |  |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Redline Mark-ups                         |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Proposed Standard Plan Instruction (SPI) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Revised SPI                              |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Support Documents                  |

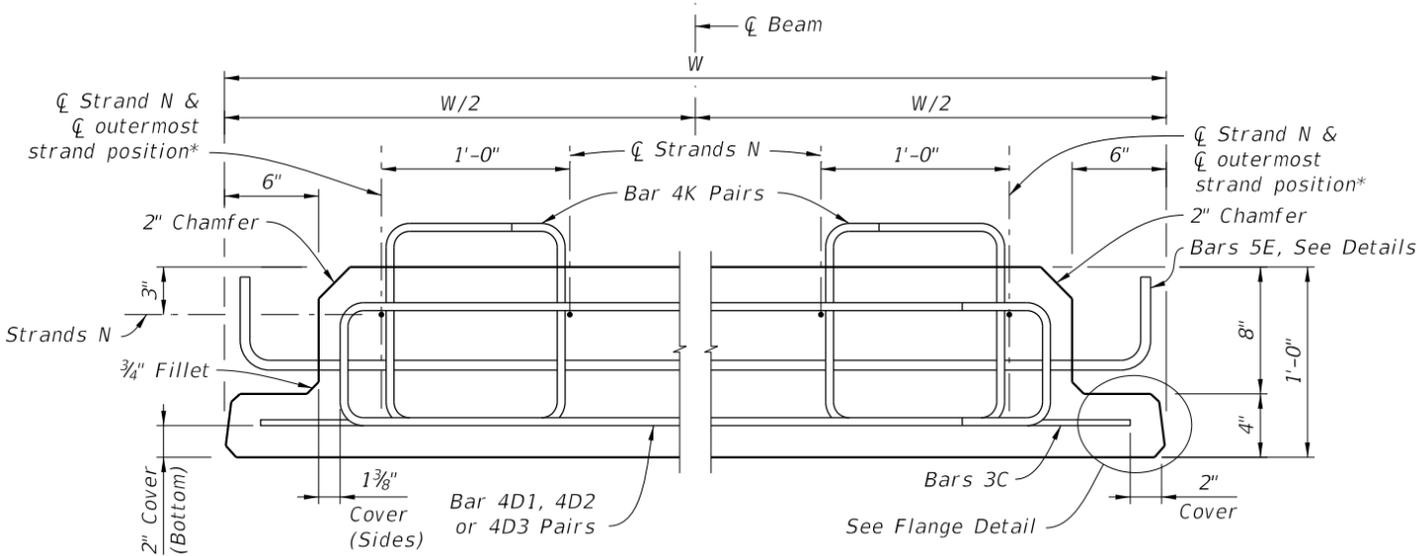
**Implementation:**

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

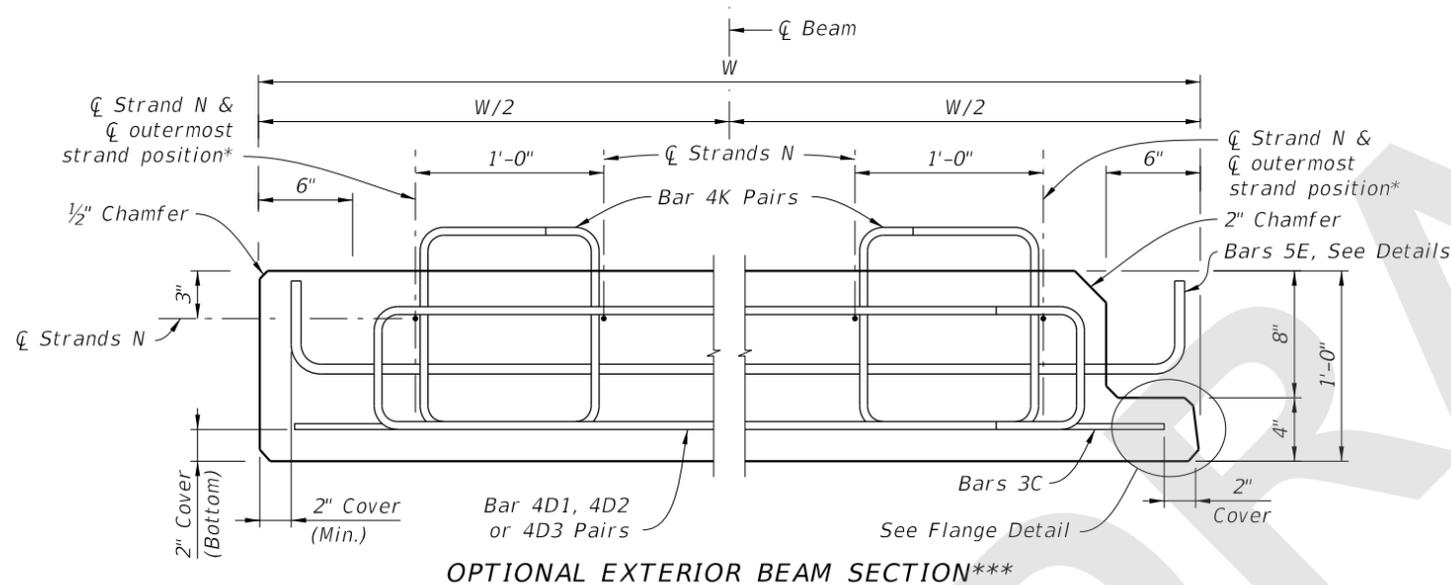
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Contact the Roadway Design Office for assistance in completing this form

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**TYPICAL SECTION**  
(INTERIOR BEAM SHOWN; EXTERIOR BEAM SIMILAR, SEE BARS 5E DETAILS)



**OPTIONAL EXTERIOR BEAM SECTION\*\*\***

**NOTES:**  
Work this Index with Index 450-450 and Florida Slab Beams - Table of Variables in Structures Plans.

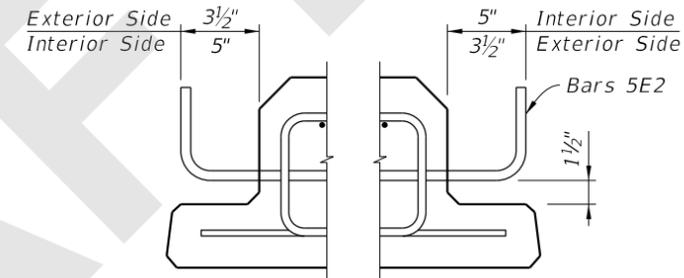
For Dimensions C, D, E, L, R, W & Y and Angle  $\theta$ , see Florida Slab Beam - Table of Variables in Structures Plans.

For referenced notes, see Index 450-450, Sheet 1.

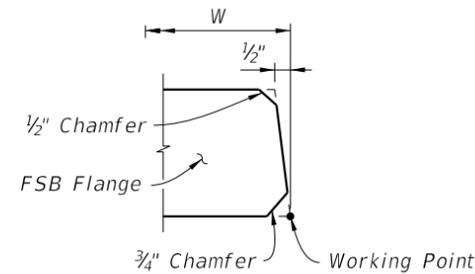
\* For  $\phi$  of outermost strand positions, see corresponding Strand Pattern on Florida Slab Beams - Table of Variables in Structures Plans.

\*\* At the Contractor's option, the Detail as shown for Interior Beams may be used for Exterior Beams and the Bars 5E field bent on the exterior side of the Beam to provide the specified cover to the coping line.

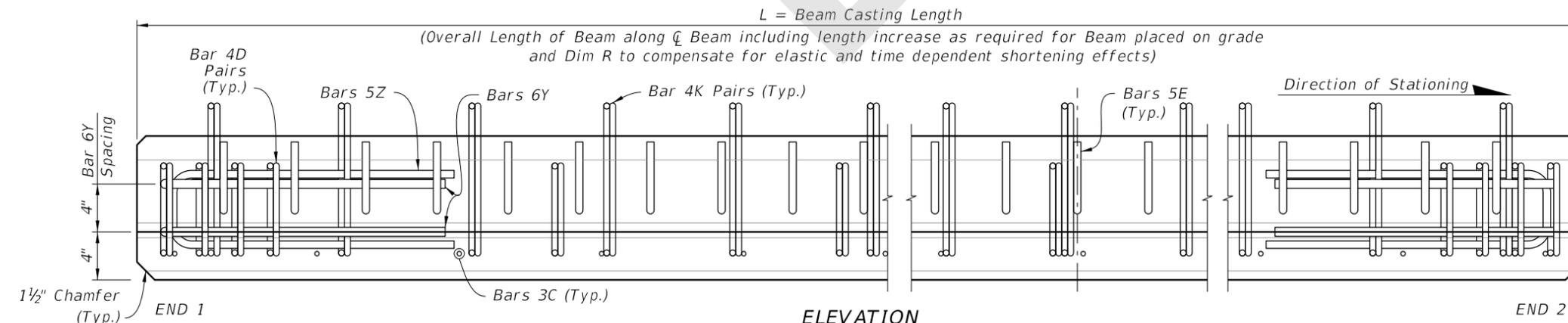
\*\*\* At the Contractor's option, the Optional Exterior Beam Section may be used.



**EXTERIOR BEAMS\*\*  
BARS 5E DETAIL**



**FLANGE DETAIL  
(TYPICAL BOTH SIDES OF FSB)**

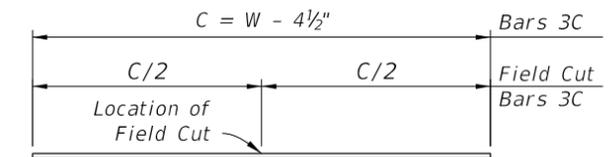


**ELEVATION**

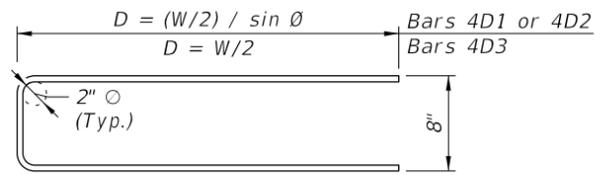
**BILL OF REINFORCING BARS FOR ONE BEAM ONLY**

MARK	SIZE	NOTE NUMBERS	NUMBER REQUIRED	LENGTH (NOTE 1)
C	3		See Table	Varies
D1	4	6	10 (End 1)	Varies
D2	4	6	10 (End 2)	Varies
D3	4		See Table	Varies
E1	5	7	See Table	Varies
E2	5	7	See Table	Varies
K	4		See Table	2'-5"
N	See Note 3	3	4	Varies
Y1	6	6	2 (End 1)	Varies
Y2	6	6	2 (End 2)	Varies
Z	5		6	4'-6 1/2"

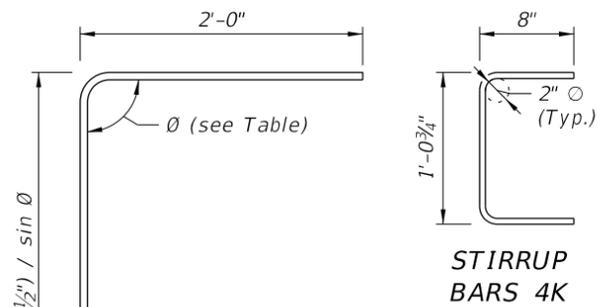
**BENDING DIAGRAMS (See Note 1)**



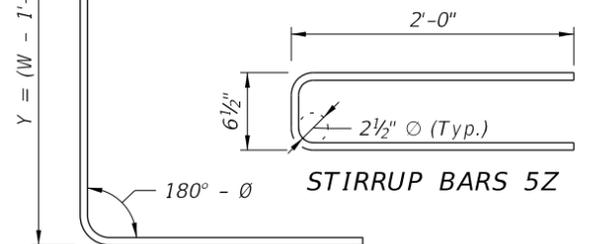
**BARS 3C**



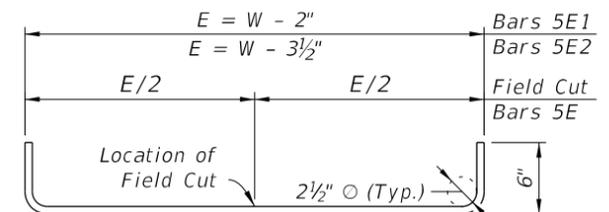
**STIRRUP BARS 4D1, 4D2 & 4D3**



**STIRRUP BARS 4K**



**BARS 6Y1 & 6Y2**



**STIRRUP BARS 5E1 & 5E2**

SDATES

LAST REVISION  
11/01/20

DESCRIPTION:



FY 2020-21  
STANDARD PLANS

12" FLORIDA SLAB BEAM

INDEX  
450-451

SHEET  
1 of 1