

ORIGINATION FORM

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

Contact Information:

Date: January 14, 2020

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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	
☐	☒	Other Standard Plans –
☐	☒	FDOT Design Manual –
☒	☐	Basis of Estimates Manual – Change from DEV
☒	☐	Standard Specifications – Specification 450 update
☐	☒	Approved Product List –
☐	☒	Construction –
☐	☒	Maintenance –

Origination Package Includes:

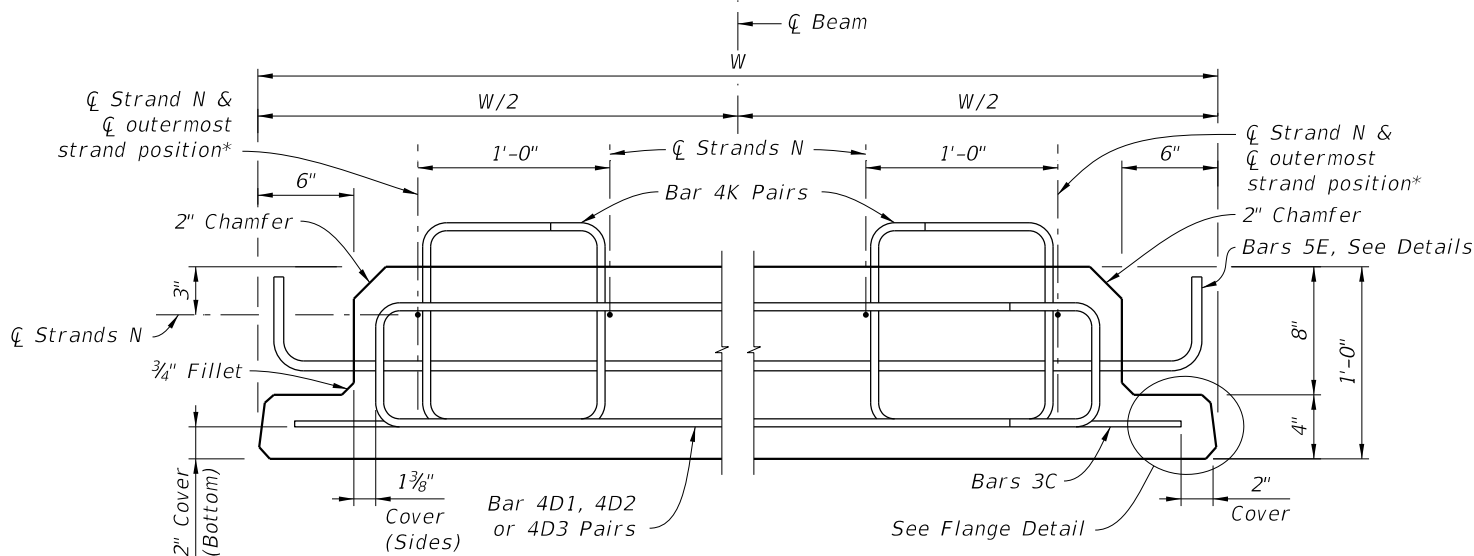
(Email or hand deliver package to Rick Jenkins)

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

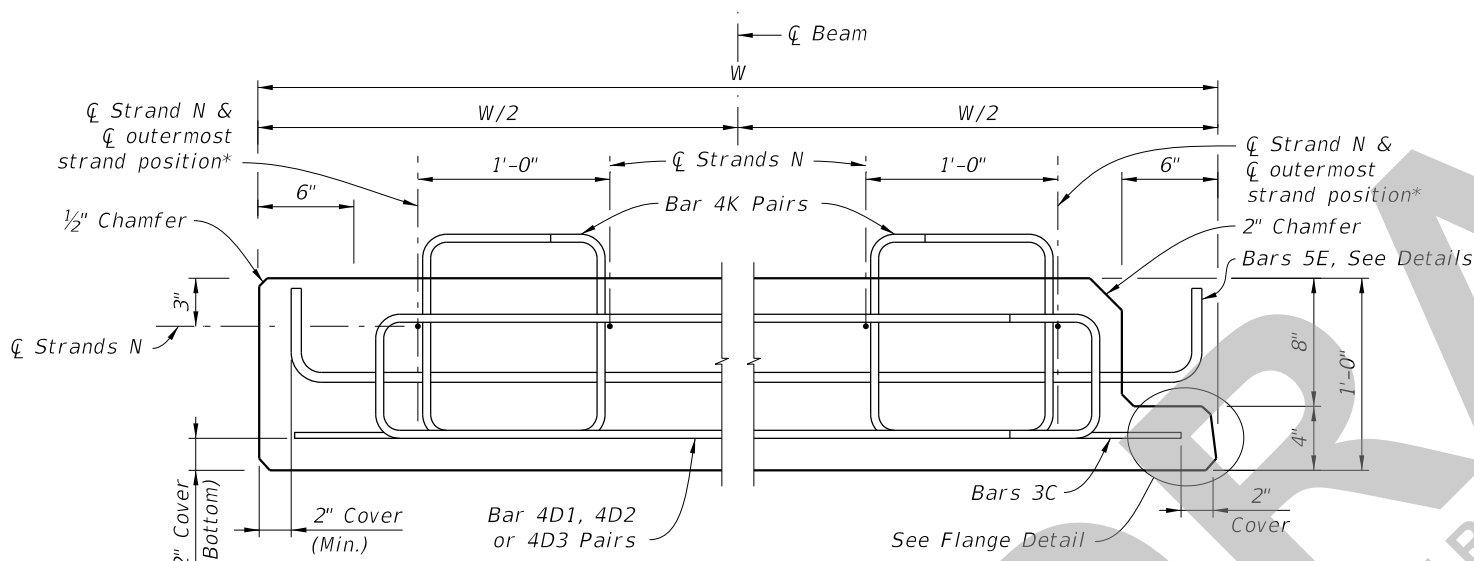
Implementation:

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

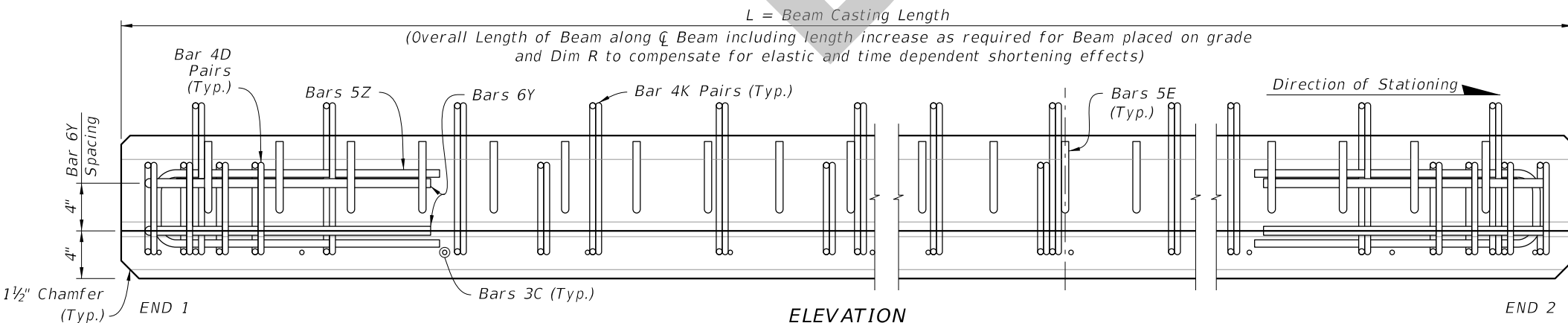
Contact the Roadway Design Office for assistance in completing this form



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



OPTIONAL EXTERIOR BEAM SECTION***



ELEVATION

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

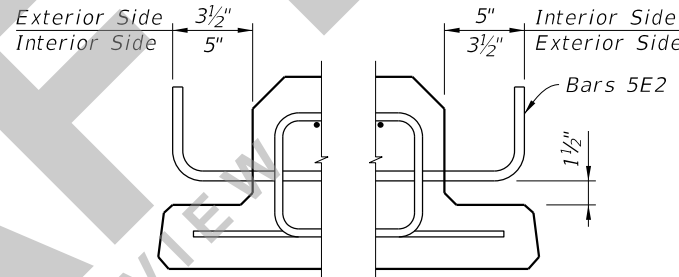
For Dimensions C, D, E, L, R, W & Y and Angle $\emptyset$, see Florida Slab Beam - Table of Variables in Structures Plans.

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

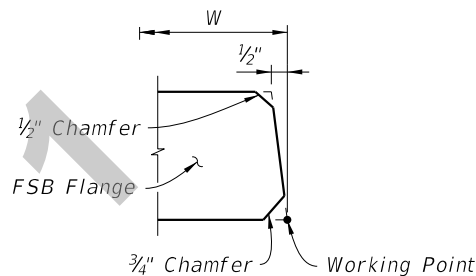
* For $\emptyset$ of outermost strand positions, see corresponding Strand Pattern on Florida Slab Beams - Table of Variables in Structures Plans.

** 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.



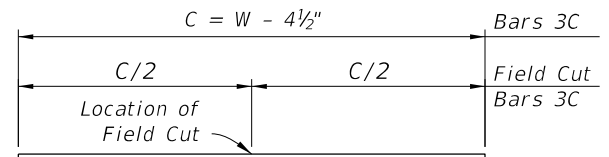
EXTERIOR BEAMS
BARS 5E DETAIL**



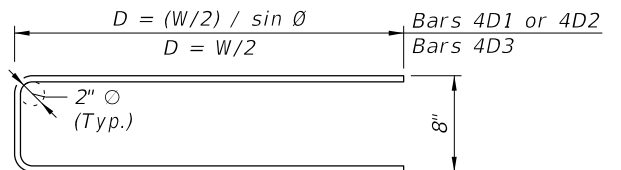
FLANGE DETAIL
(TYPICAL BOTH SIDES OF FSB)

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"

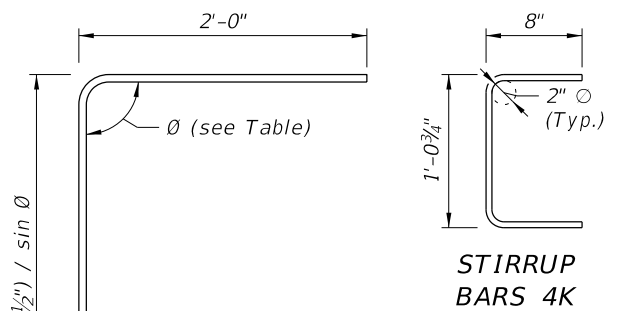
BENDING DIAGRAMS (See Note 1)



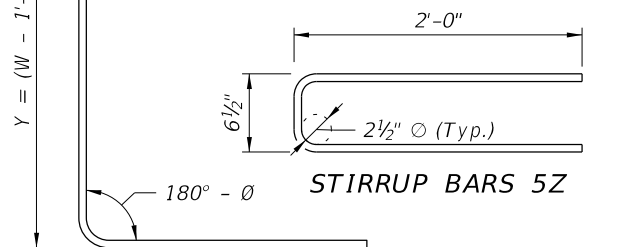
BARS 3C



STIRRUP BARS 4D1, 4D2 & 4D3

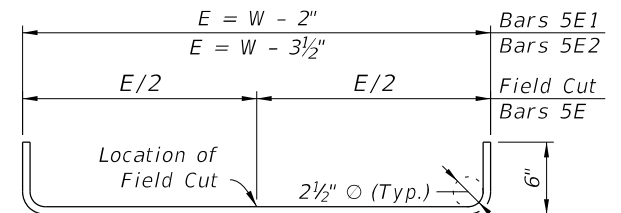


**STIRRUP
BARS 4K**



STIRRUP BARS 5Z

BARS 6Y1 & 6Y2



STIRRUP BARS 5E1 & 5E2