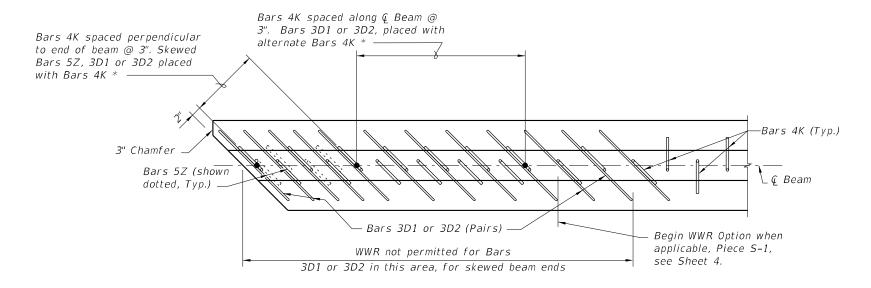
ORIGINATION FORM

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

Cont	act	Information:	Standard Plans:		
Date: June 19, 2019 Originator: Cheryl Hudson Phone: (850) 414-5332 Email: cheryl.hudson@dot.state.fl.us			Index Number: 450- Sheet Number (s): 2 Index Title: AASHTC		
Summary of the changes:					
Dele	eted I	ntermediate Diaphragm Inserts			
Commentary / Background:					
Diaphragms not required; therefore Inserts not required.					
		Other Affected Offices / Documents: (Provide name of responsible personnel)			
Yes	No ✓	Other Standard Plans –			
	/	FDOT Design Manual –			
	/	Basis of Estimates Manual –			
	/	Standard Specifications –			
	\checkmark	Approved Product List –			
	\checkmark	Construction –			
	\checkmark	Maintenance –			
Yes	N/A ✓	Origination Package Includes: (Email or hand deliver package to Derwood Sheppard)			
		Redline Mark-ups			
		Proposed Standard Plan Instructions (SPI)			
		Revised SPI			
		Other Support Documents			
<u>Impl</u>	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					

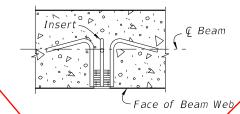
PARTIAL PLAN VIEW (SHOWING TOP FLANGE) (End 1 Shown, End 2 Similar) (Bars 5A, 4Y & Strands N not shown for clarity)

* For number of Bars, spacing and placement details see Sheet 3. See Sheet 3 for Conventional Reinforcement, Sheet 4 for WWR.



PARTIAL SECTION THRU WEB (SHOWING BOTTOM FLANGE) (End 1 Shown, End 2 Similar) (Bars 4Y & Strands not shown for clarity)

= SKEWED BEAM END DETAILS FOR WIDENING EXISTING BRIDGES ======



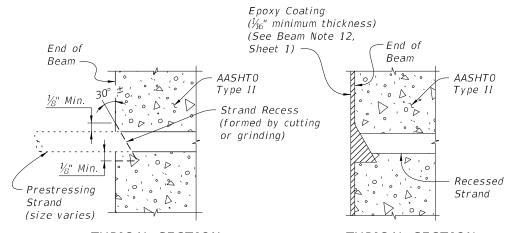
PLAN SECTION THRU BEAM WEB AT INSERT FOR DIAPHRAGM REINFORCING

(When Intermediate Diaphragms are Required by Design)

INSERT NOTES

- 1. Provide 1" Ø, zinc-electroplated, Kerrule Wing nut or coil inserts, UNC threads, 1/0 minimum gage wire, not more than 4" in depth with a minimum ultimate tensile strength of 11,400 ks. in 4,000 psi concrete.
- 2. If inserts are needed on both sides (faces) of beam webs, an assembly as long as the thickness of the beam web, consisting of two (2) ferrule or coil inserts attached by two (2) or more struts may be utilized. The connecting struts shall have a minimum ultimate tensile strength of 11,400 lbs.
- 3. Inserts for diaphragm reinforcing are required at each end of each intermediate diaphragm shown on the Beam Framing Plan and may be required at the end of the beams when end diaphragms are shown. See Superstructure and Beam Framing Plans for longitudinal location of inserts for each face of beam.





TYPICAL SECTION SHOWING CUT STRAND RECESS LIMITS

TYPICAL SECTION AFTER PROTECTING

=== STRAND CUTTING AND PROTECTING DETAIL ====

DETAILS AND NOTES

LAST REVISION 11/01/16

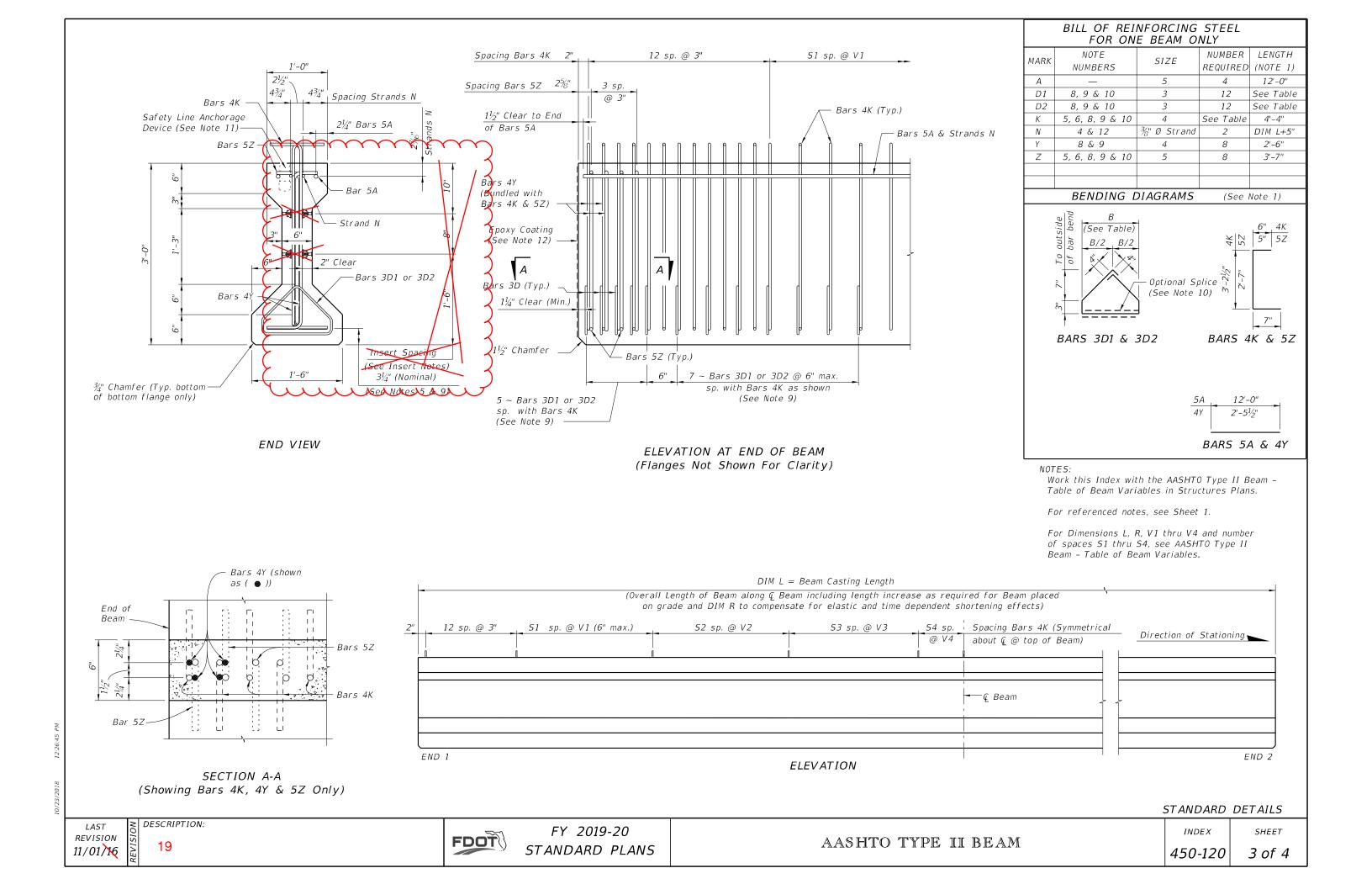
FDOT

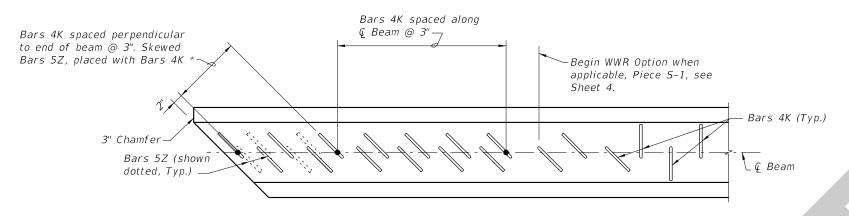
FY 2019-20 STANDARD PLANS

AASHTO TYPE II BEAM

INDEX SHEET 450-120 2 of 4

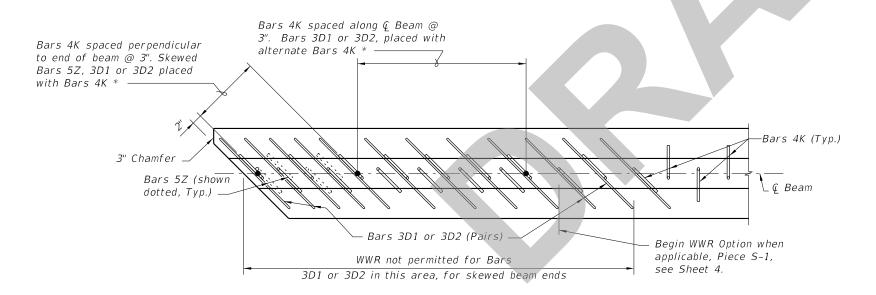
DESCRIPTION:





PARTIAL PLAN VIEW (SHOWING TOP FLANGE) (End 1 Shown, End 2 Similar) (Bars 5A, 4Y & Strands N not shown for clarity)

* For number of Bars, spacing and placement details see Sheet 3. See Sheet 3 for Conventional Reinforcement, Sheet 4 for WWR.

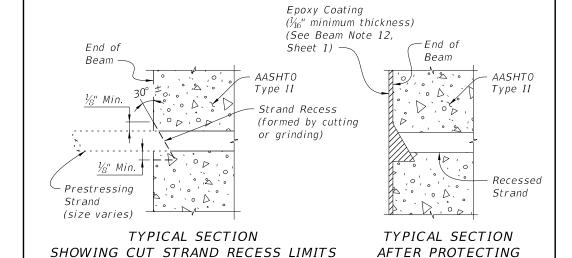


PARTIAL SECTION THRU WEB (SHOWING BOTTOM FLANGE)

(End 1 Shown, End 2 Similar)

(Bars 4Y & Strands not shown for clarity)

= SKEWED BEAM END DETAILS FOR WIDENING EXISTING BRIDGES =



=== STRAND CUTTING AND PROTECTING DETAIL ====

DETAILS AND NOTES

LAST REVISION 11/01/19

DESCRIPTION:

FDOT

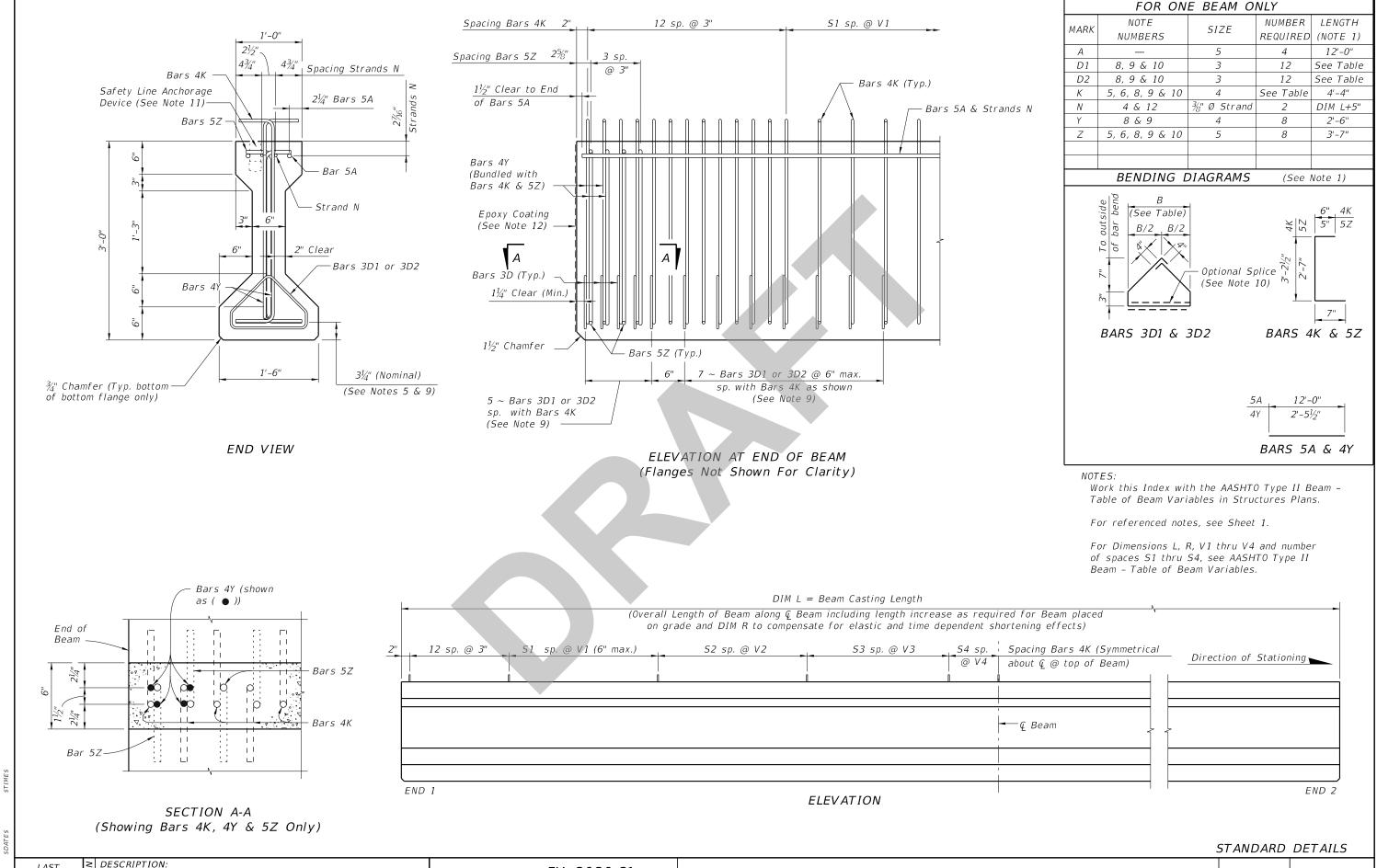
FY 2020-21 STANDARD PLANS

AASHTO TYPE II BEAM

INDEX 450-120

SHEET

2 of 4



REVISION 11/01/19

FDOT

FY 2020-21 STANDARD PLANS

AASHTO TYPE II BEAM

INDEX 450-120

BILL OF REINFORCING STEEL

SHEET 3 of 4