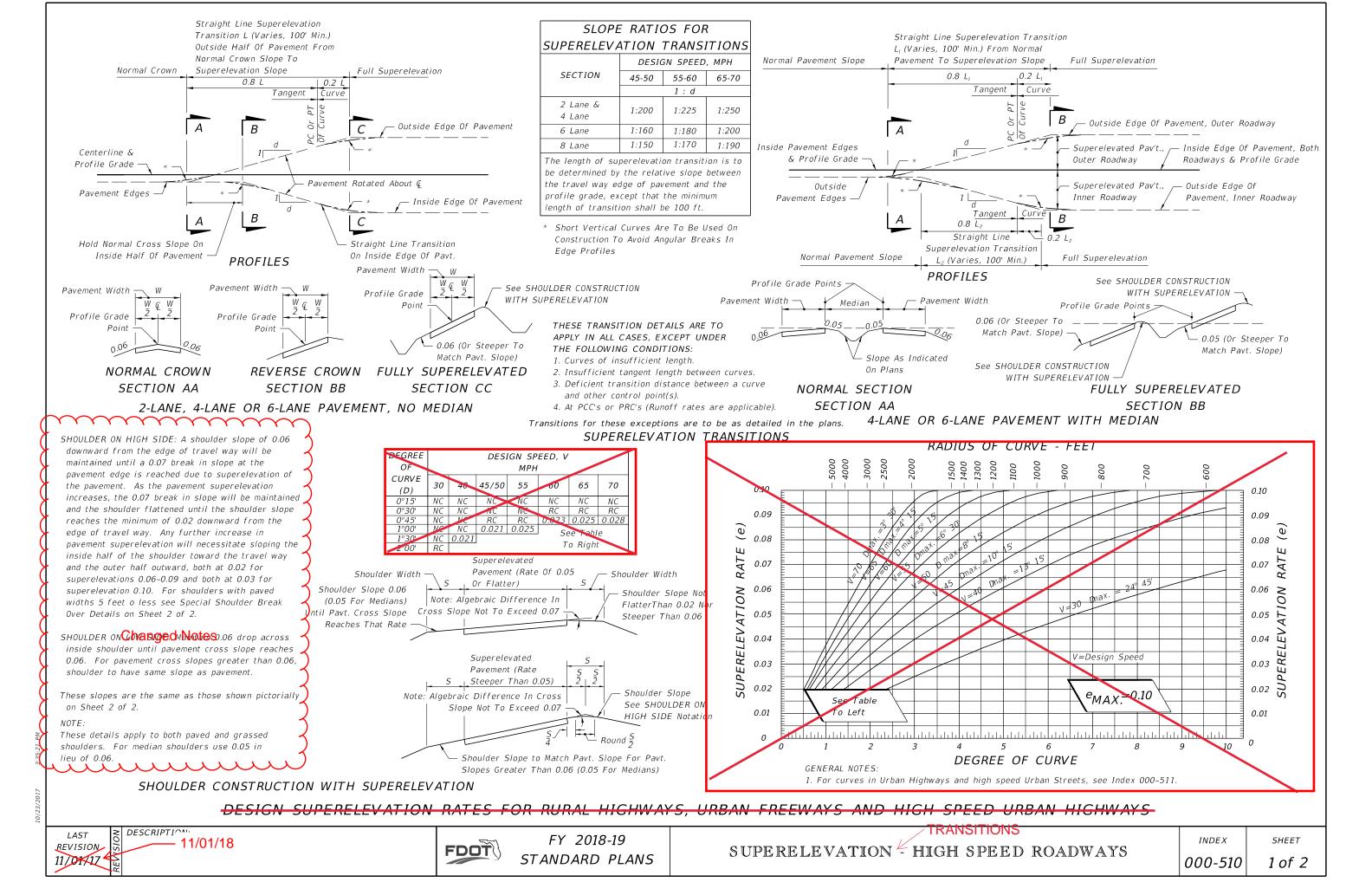
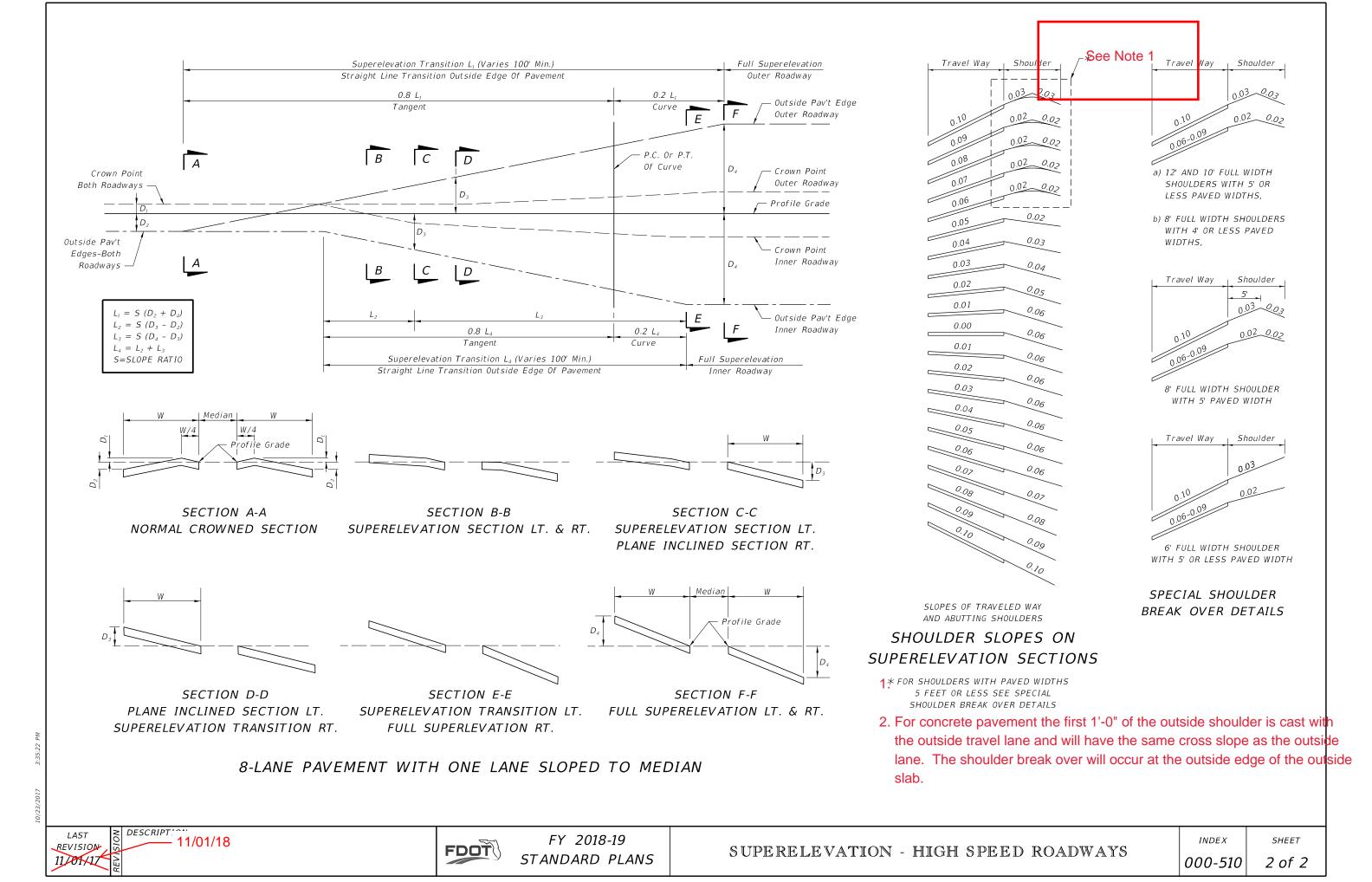
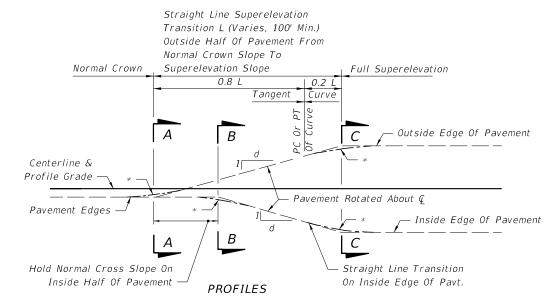
ORIGINATION FORM

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

Contact Information:	Standard Plans:
Date: July 25, 2018	Index Number: 000-510
Originator: Derwood Sheppard	Sheet Number (s): All
Phone: (850) 414-4334 Email:	Index Title: Superelevation-High Speed Highways
Summary of the changes: All: Changed Title. Sheet 1: Deleted DESIGN SPEED table and RADIUS OF CURVE table; Deleted subtitle. Sheet 2: Updated Notes.	
Commentary / Background:	
Other Affected Office / December /	
Yes No	Provide name of responsible personnel)
Other Standard Plans –	
FDOT Design Manual –	
Basis of Estimates Manual –	
Standard Specifications –	
Approved Product List –	
Construction –	
Maintenance –	
Origination Package Includes: (Email or h	and deliver package to Derwood Shannard
Yes N/A	iand deliver package to berwood Sheppard)
Redline Mark-ups	
Proposed Standard Plan Instructions (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	



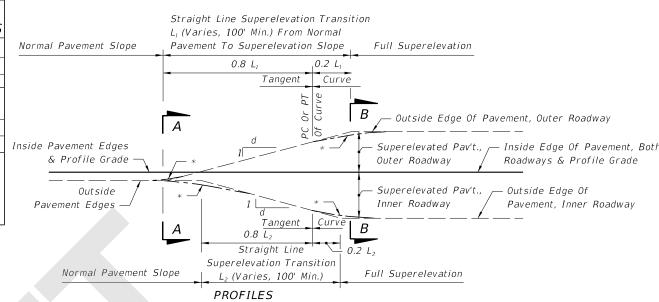


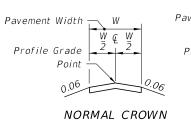


SLOPE RATIOS FOR SUPERELEVATION TRANSITIONS DESIGN SPEED, MPH SECTION 45-50 55-60 65-70 1 : d 2 Lane & 1:200 1:225 1:250 4 Lane 6 Lane 1:160 1:180 1:200 8 Lane 1:150 1:170 1:190

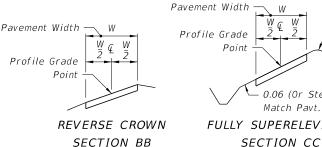
The length of superelevation transition is to be determined by the relative slope between the travel way edge of pavement and the profile grade, except that the minimum length of transition shall be 100 ft.

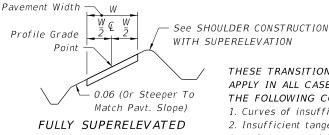
* Short Vertical Curves Are To Be Used On Construction To Avoid Angular Breaks In Edge Profiles





SECTION AA





THESE TRANSITION DETAILS ARE TO APPLY IN ALL CASES, EXCEPT UNDER THE FOLLOWING CONDITIONS:

- 1. Curves of insufficient length.
- 2. Insufficient tangent length between curves.
- 3. Deficient transition distance between a curve and other control point(s). 4. At PCC's or PRC's (Runoff rates are applicable).

NORMAL SECTION SECTION AA

Slope As Indicated

On Plans

Median

Profile Grade Points

Pavement Width

See SHOULDER CONSTRUCTION WITH SUPERELEVATION - Pavement Width Profile Grade Points 0.06 (Or Steeper To Match Pavt. Slope) 0.05 (Or Steeper To Match Pavt. Slope) See SHOULDER CONSTRUCTION WITH SUPERELEVATION FULLY SUPERELEVATED

SECTION BB

2-LANE, 4-LANE OR 6-LANE PAVEMENT, NO MEDIAN

Transitions for these exceptions are to be as detailed in the plans.

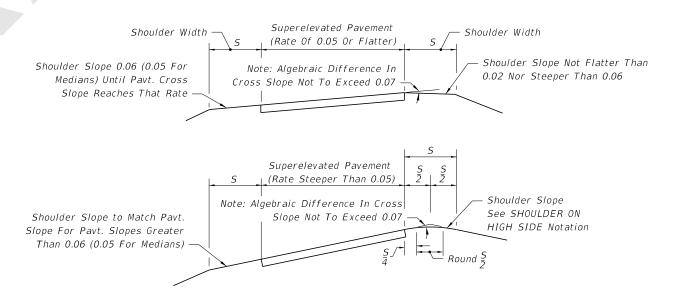
4-LANE OR 6-LANE PAVEMENT WITH MEDIAN

SUPERELEVATION TRANSITIONS

NOTES:

DESCRIPTION:

- 1. These details apply to both paved and grassed shoulders. For median shoulders use 0.05 in lieu of 0.06.
- 2. SHOULDER ON HIGH SIDE: A shoulder slope of 0.06 downward from the edge of travel way will be maintained until a 0.07 break in slope at the pavement edge is reached due to superelevation of the pavement. As the pavement superelevation increases, the 0.07 break in slope will be maintained and the shoulder flattened until the shoulder slope reaches the minimum of 0.02 downward from the edge of travel way. Any further increase in pavement superelevation will necessitate sloping the inside half of the shoulder toward the travel way and the outer half outward, both at 0.02 for superelevations 0.06-0.09 and both at 0.03 for superelevation 0.10. For shoulders with paved widths 5 feet o less see Special Shoulder Break Over Details on Sheet 2 of 2.
- 3. SHOULDER ON LOW SIDE: Maintain 0.06 cross slope across shoulder until pavement cross slope reaches 0.06. For pavement cross slopes greater than 0.06, shoulder to have same slope as pavement. See SHOULDER SLOPES ON SUPERELEVATION SECTION (Sheet 2).



SHOULDER CONSTRUCTION WITH SUPERELEVATION

REVISION 11/01/18

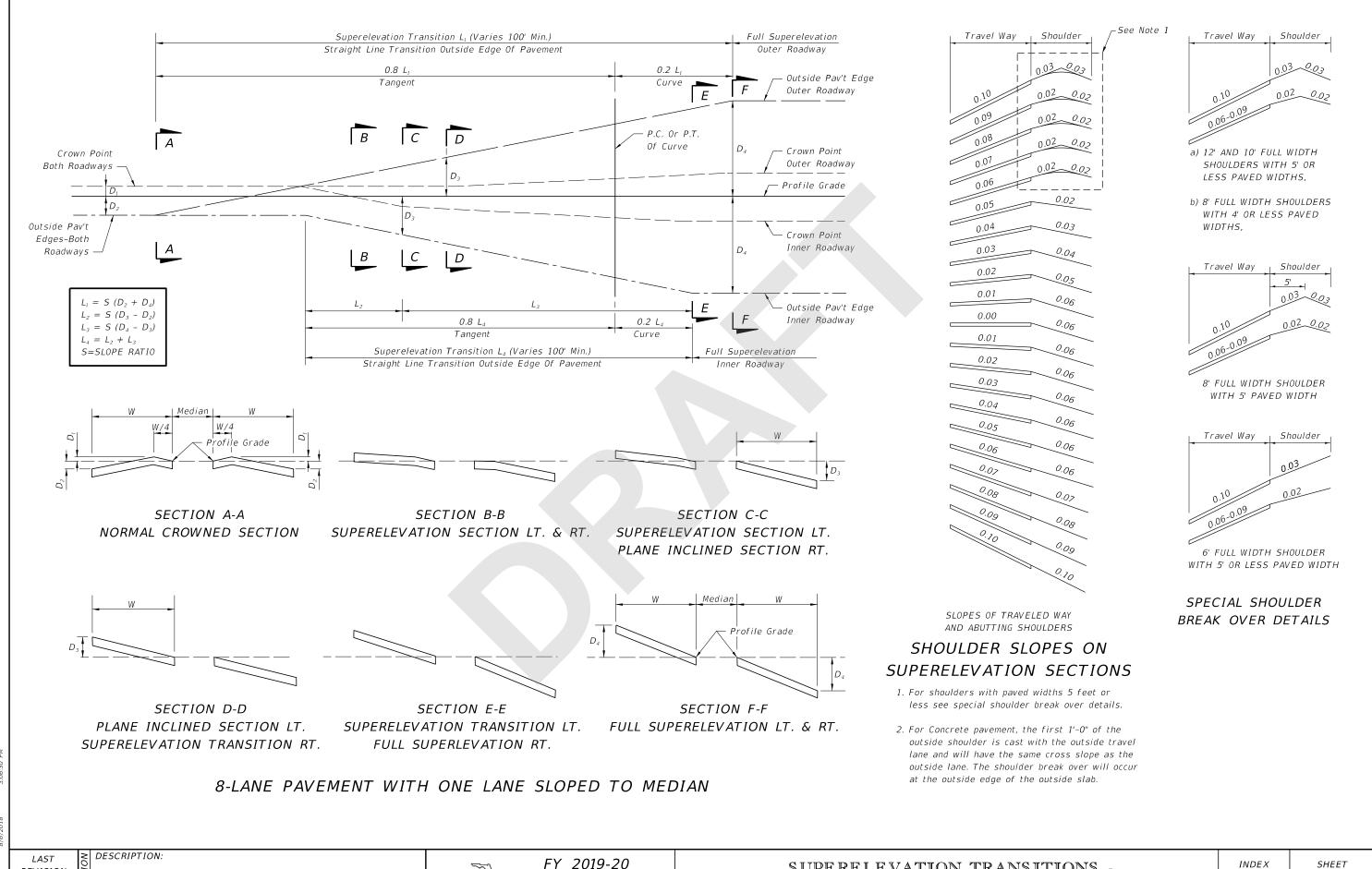
FDOT

FY 2019-20 STANDARD PLANS

SUPERELEVATION TRANSITIONS -HIGH SPEED ROADWAYS

INDEX

SHEET



REVISION 11/01/18

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