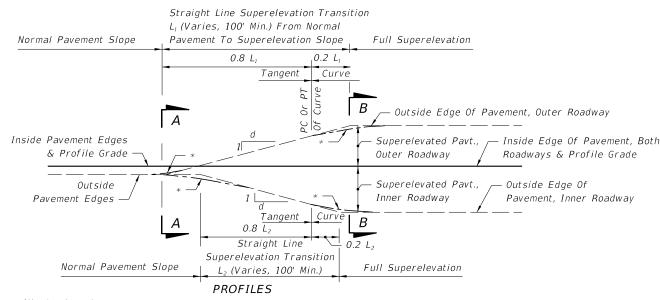


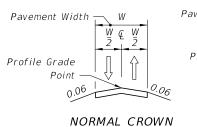
# SLOPE RATIOS FOR SUPERELEVATION TRANSITIONS

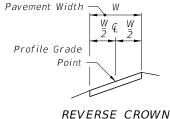
NUMBER OF	DESIGN SPEED, MPH			
LANES IN ONE DIRECTION	25-40	45-50	55-60	65-70
	1 : d			
1 Lane & 2 Lane	1:175	1:200	1:225	1:250
3 Lane		1:160	1:180	1:200
4 Lane or More		1:170	1:170	1:190

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







See SHOULDER CONSTRUCTION WITH SUPERELEVATION Profile Grade Point 0.06 (Or Steeper To Match Pavt. Slope) FULLY SUPERELEVATED

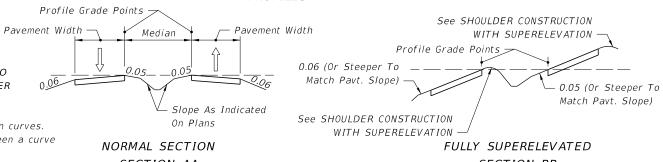
SECTION CC

Pavement Width -

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).

SECTION AA 4. At PCC's or PRC's (Runoff rates are applicable).



SECTION BB

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

SECTION BB

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

2-LANE, 4-LANE OR 6-LANE PAVEMENT WITH MEDIAN

#### SUPERELEVATION TRANSITIONS =

## SYMBOL:

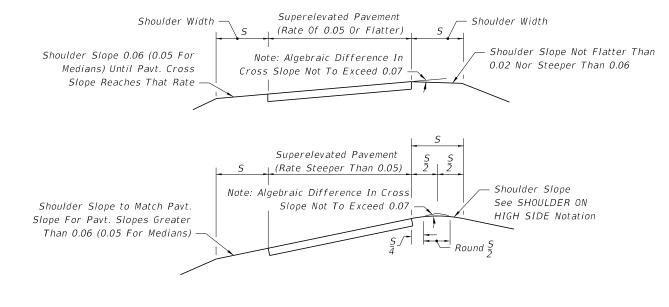
□□□ Direction of Traffic

DESCRIPTION:

SECTION AA

#### NOTES:

- 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 or 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 11/01/21

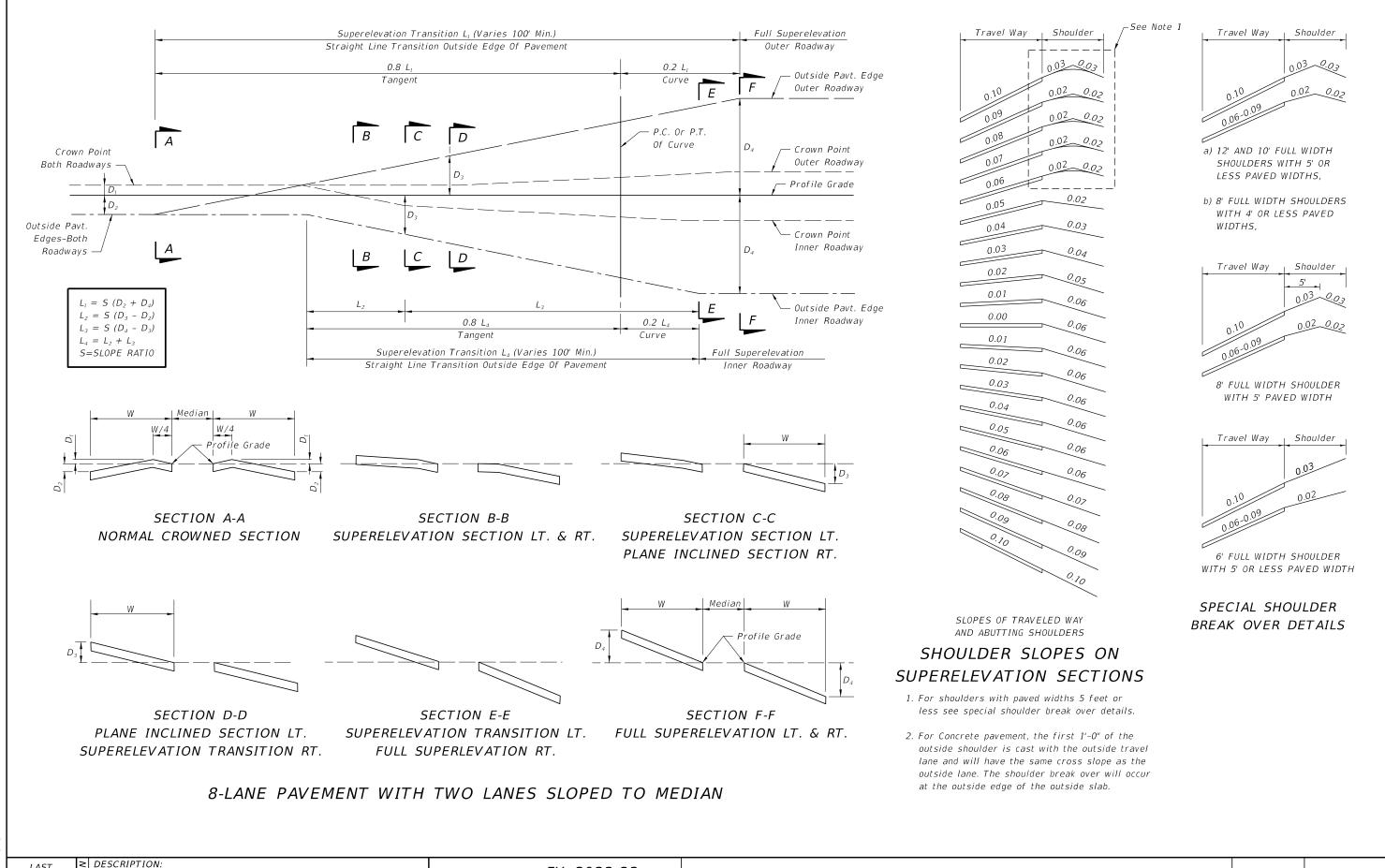
**FDOT** 

FY 2022-23 STANDARD PLANS

HIGH SPEED ROADWAYS

INDEX 000-510

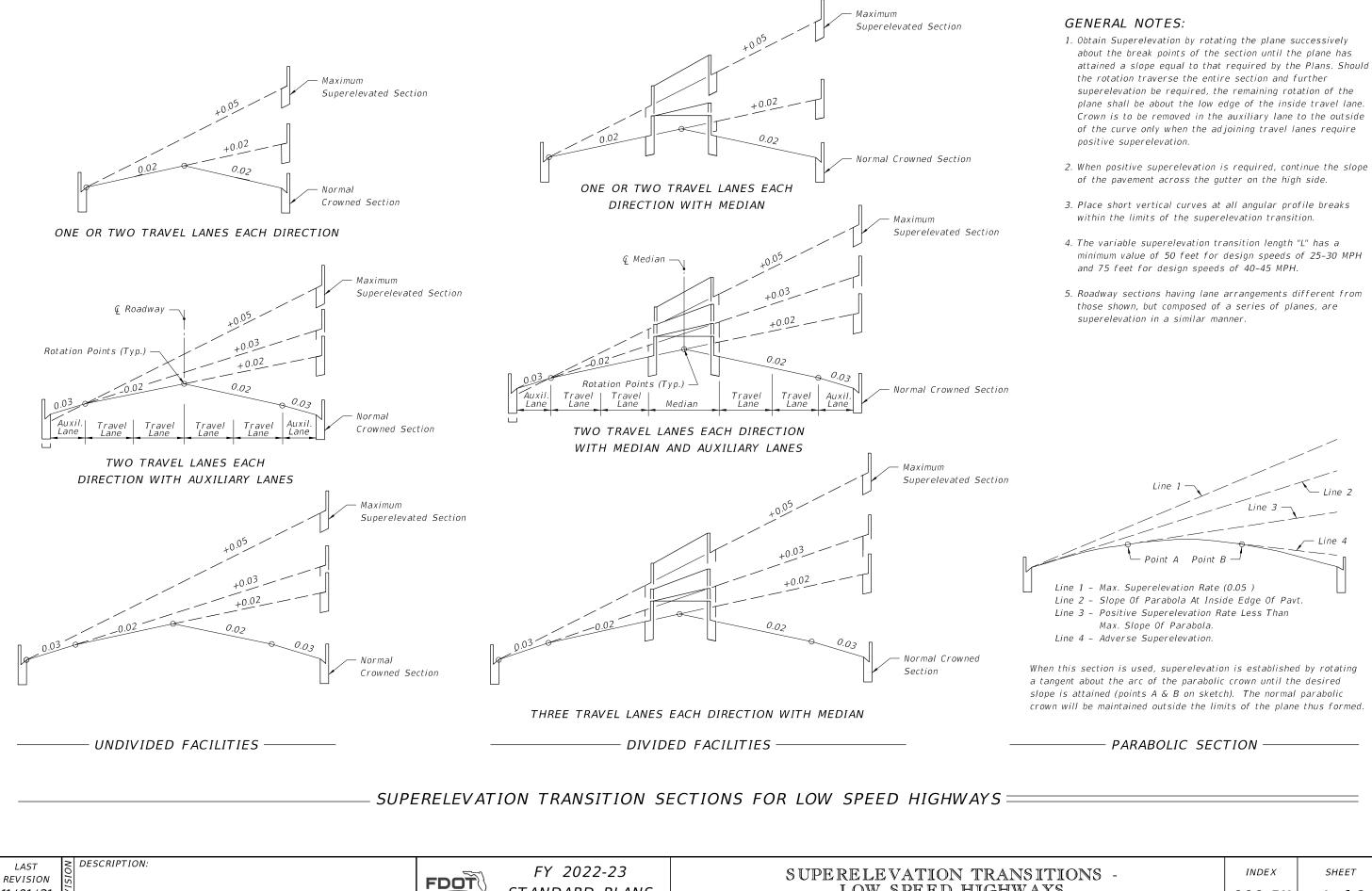
SHEET



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LAST REVISION 11/01/18

FDOT

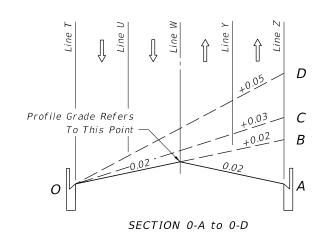


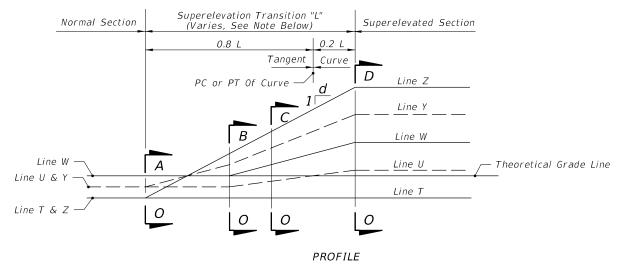
11/01/21

## NOTE:

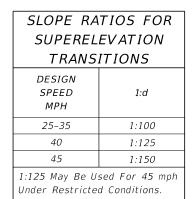
The sections and profiles shown are examples of superelevation transitions. Similar schemes should be used for roadways having other sections.

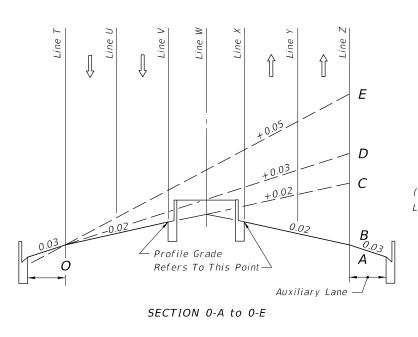
LINE	DESCRIPTION		
T	Inside Travel Lane		
U	Inside Lane Line		
V	Inside Median Edge Pavement		
W	<b>←</b> Construction		
Χ	Outside Median Edge Pavement		
Υ	Outside Lane Line		
Z	Outside Travel Lane		
Inside And Outside Are Relative			
To Cur	To Curve Center		

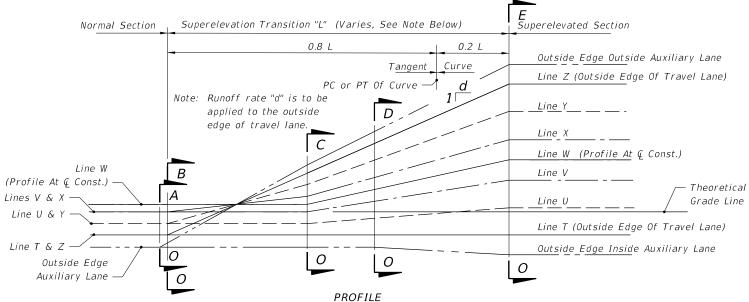




TWO LANES EACH DIRECTION





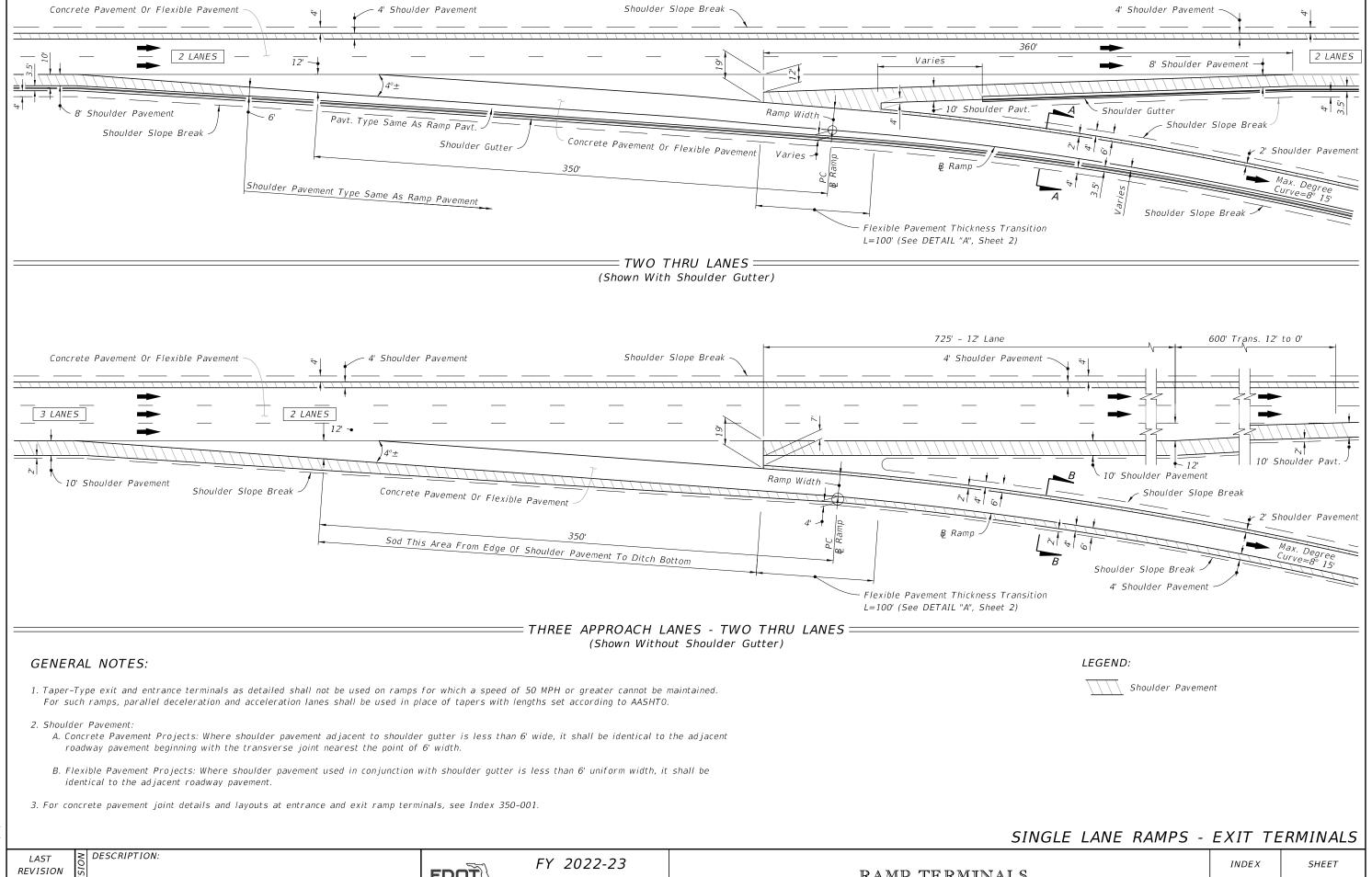


TWO LANES EACH DIRECTION WITH MEDIAN AND AUXILIARY LANE

EXAMPLE SUPERELEVATION SECTIONS AND PROFILES FOR LOW SPEED HIGHWAYS =

**REVISION** 11/01/21

DESCRIPTION:



11/01/17

FDOT

STANDARD PLANS

RAMP TERMINALS

000-525 1 of 5

