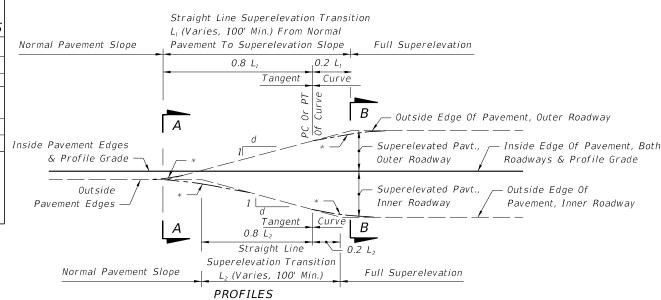
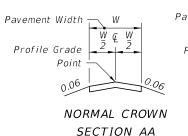
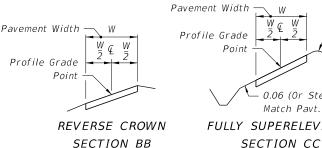


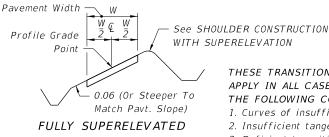
The length of superelevation transition is to be determined by the relative slope between the travel way edge of pavement and the profile grade, except that the minimum length of transition shall be 100 ft.

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









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

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

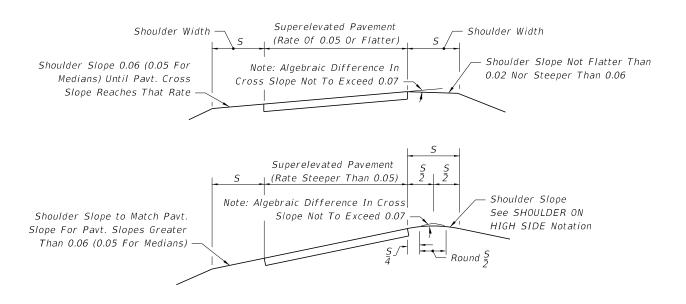
Transitions for these exceptions are to be as detailed in the plans.

## 4-LANE OR 6-LANE PAVEMENT WITH MEDIAN

### SUPERELEVATION TRANSITIONS

## NOTES:

- 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

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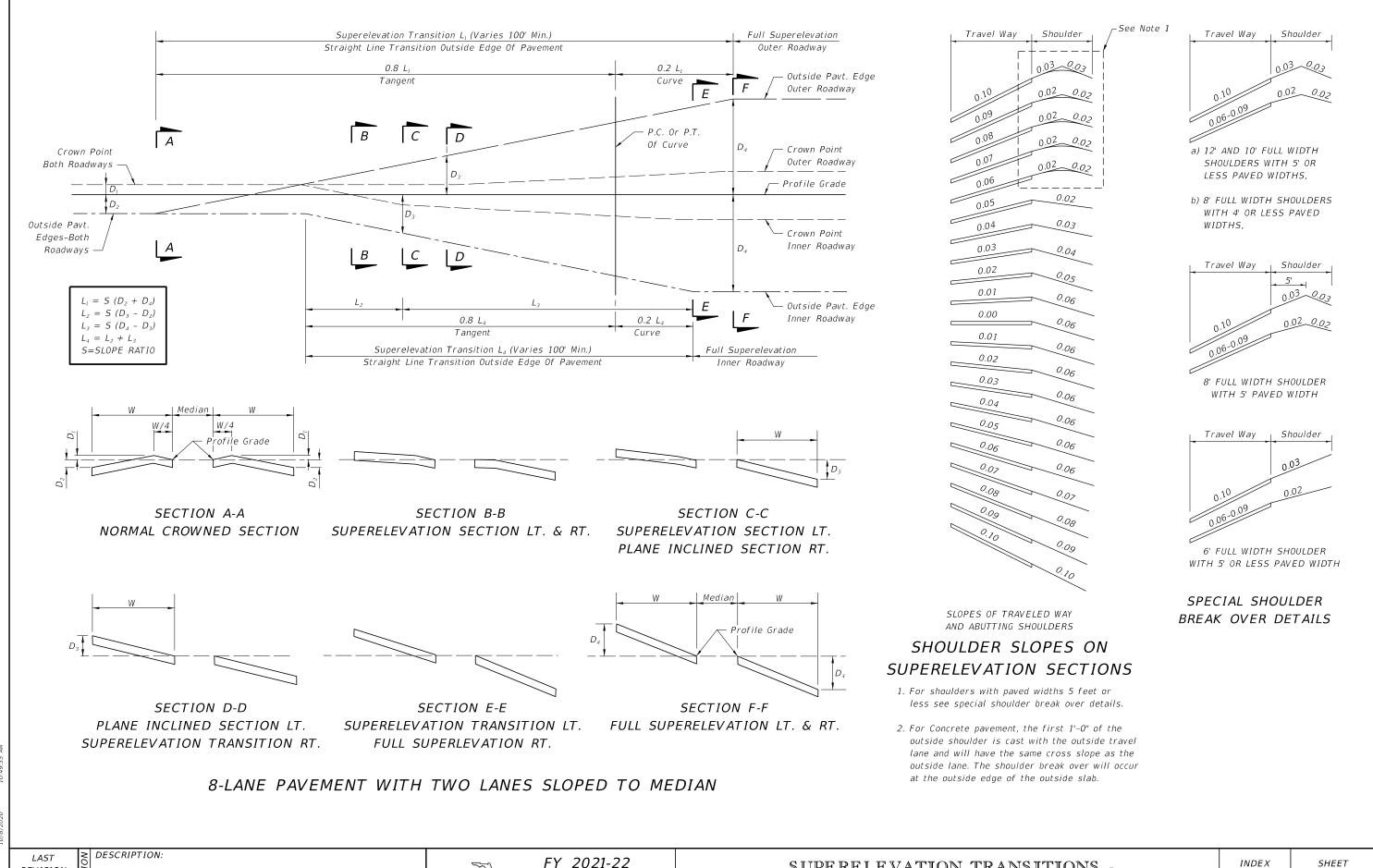
FY 2021-22 STANDARD PLANS

SUPERELEVATION TRANSITIONS -HIGH SPEED ROADWAYS

INDEX

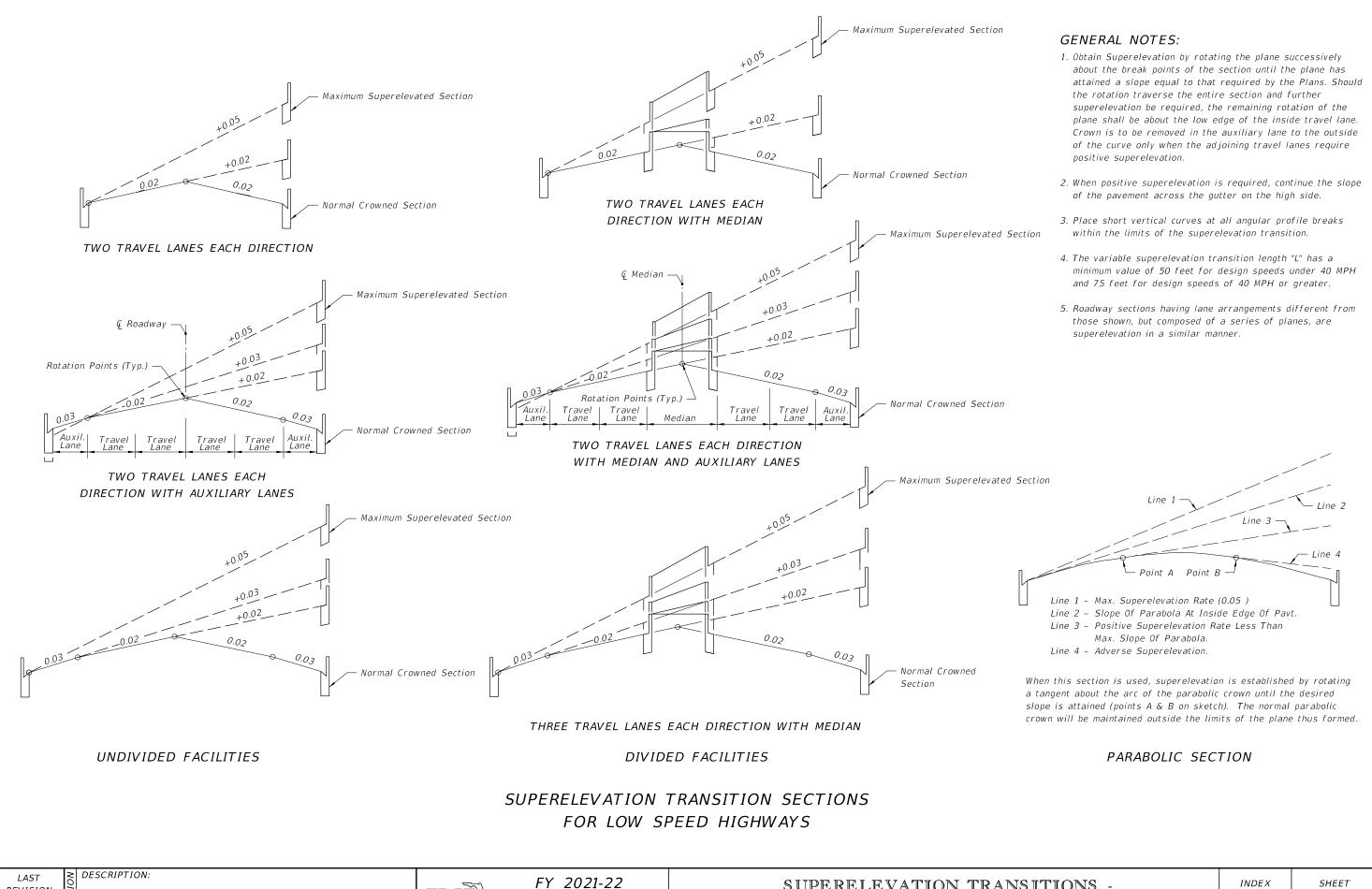
SHEET

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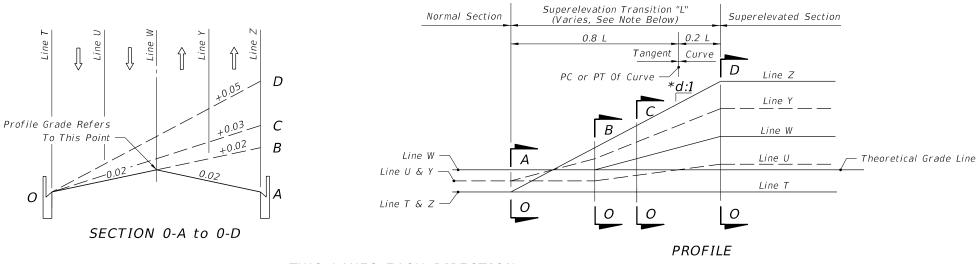
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STANDARD PLANS

SUPERELEVATION TRANSITIONS -LOW SPEED HIGHWAYS

000-511

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\*d (Slope Ratio)

△ 1: 125 May Be Used For

45 MPH Under Restricted

1: 100

1: 125

1: 150

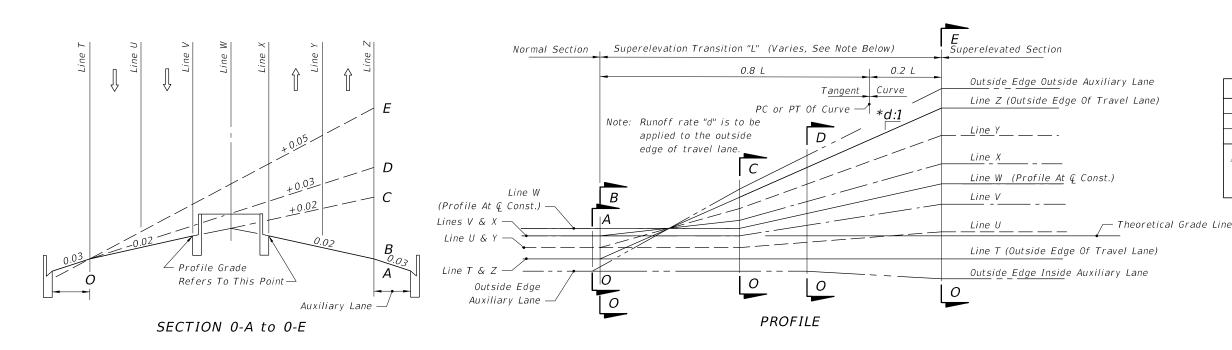
30 MPH

40 MPH

45 MPH ∧

Conditions.

TWO LANES EACH DIRECTION



## TWO LANES EACH DIRECTION WITH MEDIAN AND AUXILIARY LANE

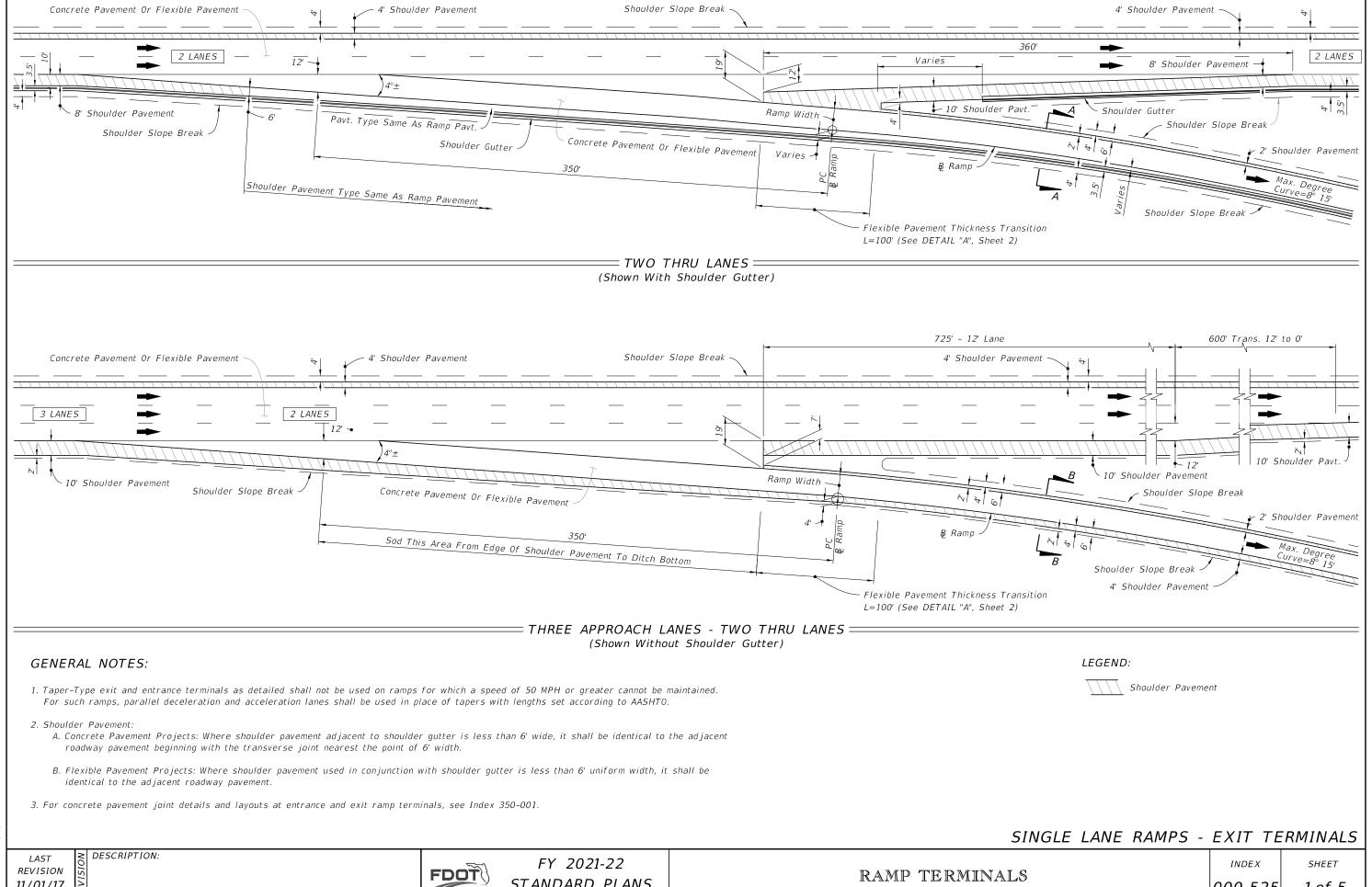
**Note:** The sections and profiles shown are examples of superelevation transitions. Similar schemes should be used for roadways having other sections.

# EXAMPLE SUPERELEVATION SECTIONS AND PROFILES FOR LOW SPEED HIGHWAYS

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DESCRIPTION:





11/01/17

STANDARD PLANS

RAMP TERMINALS

000-525

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