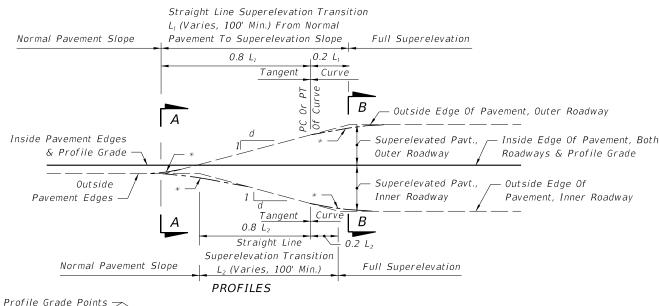


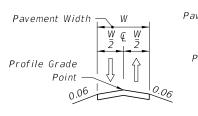
SLOPE RATIOS FOR SUPERELEVATION TRANSITIONS

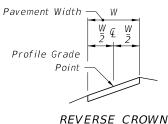
NUMBER OF LANES IN ONE DIRECTION	DESIGN SPEED, MPH			
	25-40	45-50	55-60	65-70
	1 : d			
1 Lane & 2 Lane	1:175	1:200	1:225	1:250
3 Lane		1:160	1:180	1:200
4 Lane or More		1:170	1:170	1:190

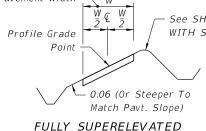
The length of superelevation transition is to be determined by the relative slope between the travel way edge of pavement and the profile grade, except that the minimum length of transition shall be 100 ft.

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









SECTION CC

Pavement Width -See SHOULDER CONSTRUCTION WITH SUPERELEVATION

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).

Pavement Width Pavement Width Median Slope As Indicated On Plans

NORMAL SECTION

SECTION AA

See SHOULDER CONSTRUCTION WITH SUPERELEVATION

FULLY SUPERELEVATED SECTION BB

See SHOULDER CONSTRUCTION

Profile Grade Points

WITH SUPERELEVATION

0.05 (Or Steeper To

Match Pavt. Slope)

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

0.06 (Or Steeper To

Match Pavt. Slope)

SUPERELEVATION TRANSITIONS =

SYMBOL:

□□□ Direction of Traffic

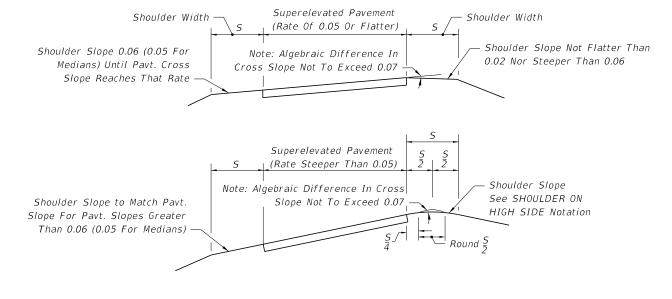
DESCRIPTION:

NORMAL CROWN

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 =

11/01/21

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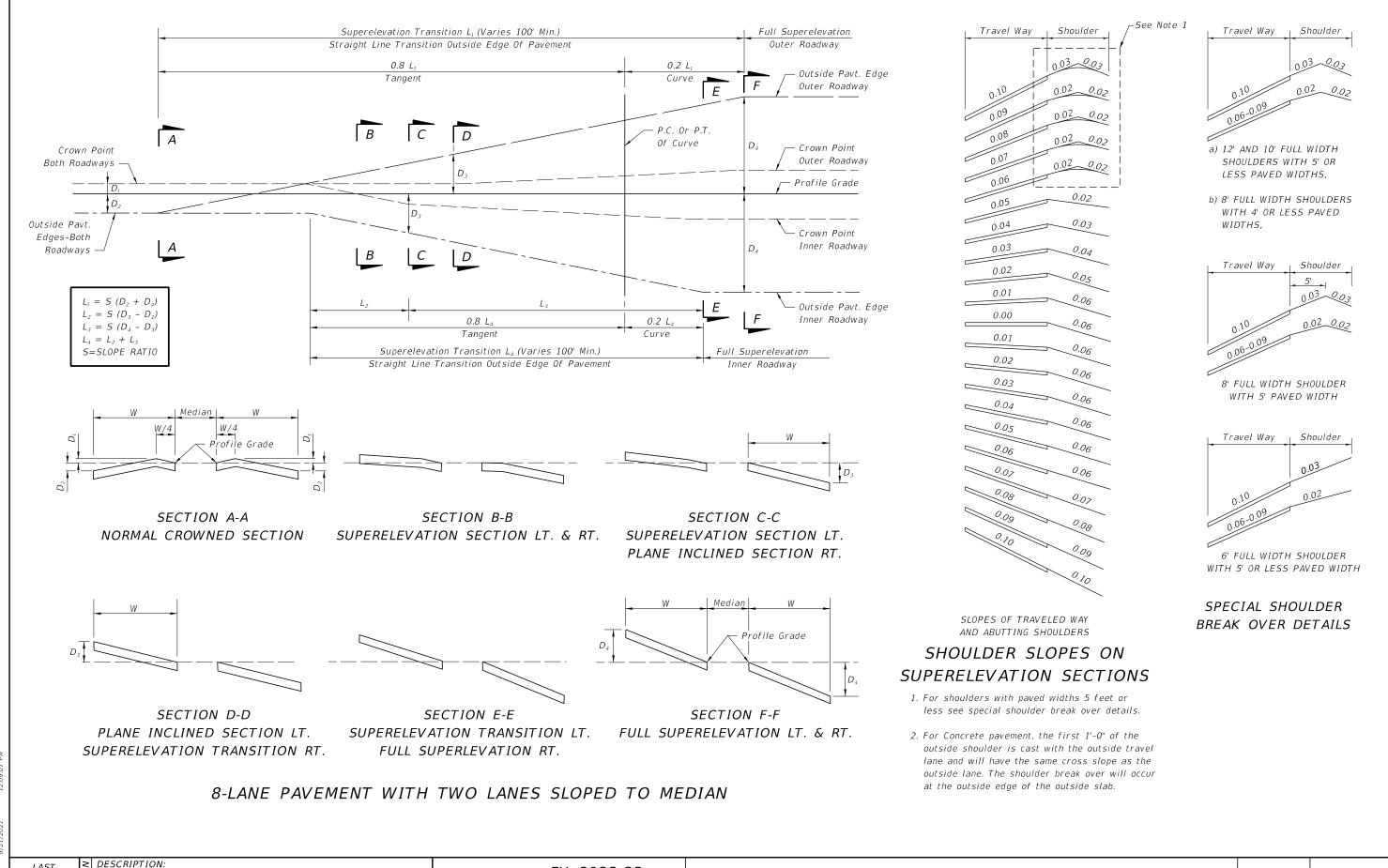
FY 2022-23 STANDARD PLANS

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