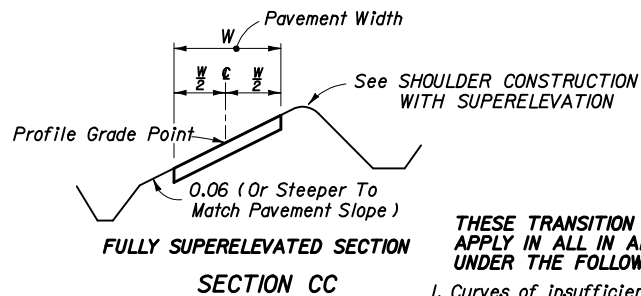
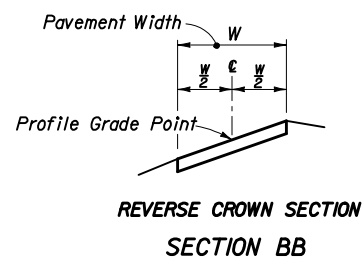
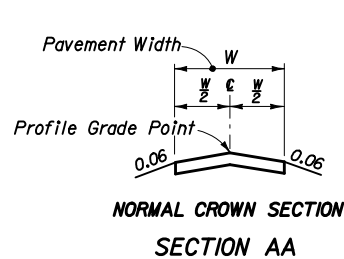


PROFILES

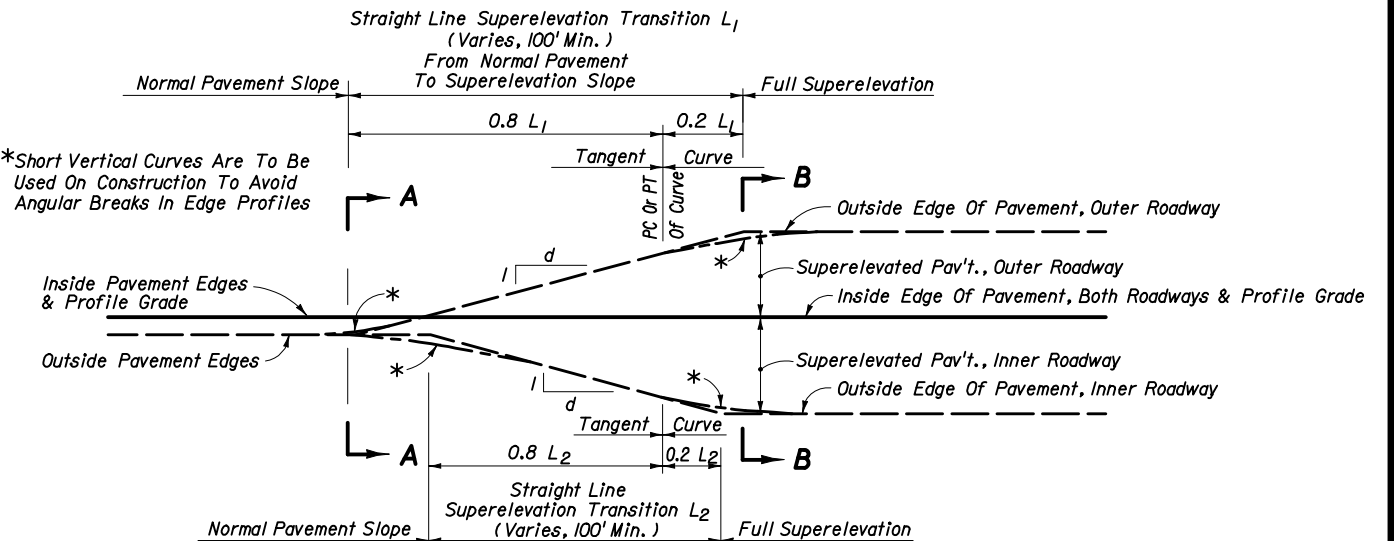


2-LANE, 4-LANE OR 6-LANE PAVEMENT, NO MEDIAN

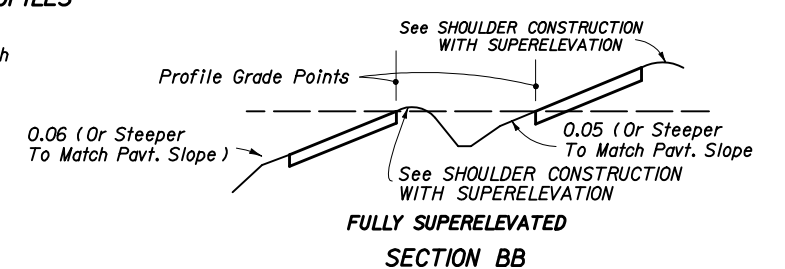
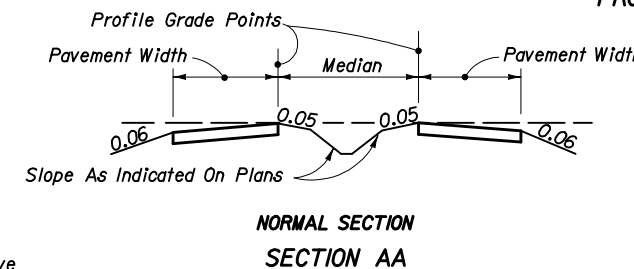
SLOPE RATIOS FOR SUPERELEVATION TRANSITIONS			
SECTION	DESIGN SPEED, MPH		
	45-50	55-60	65-70
2 Lane & 4 Lane	1: 200	1: 225	1: 250
6 Lane	1: 160	1: 180	1: 200
8 Lane	1: 150	1: 170	1: 190

The length of superlevation 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



PROFILES

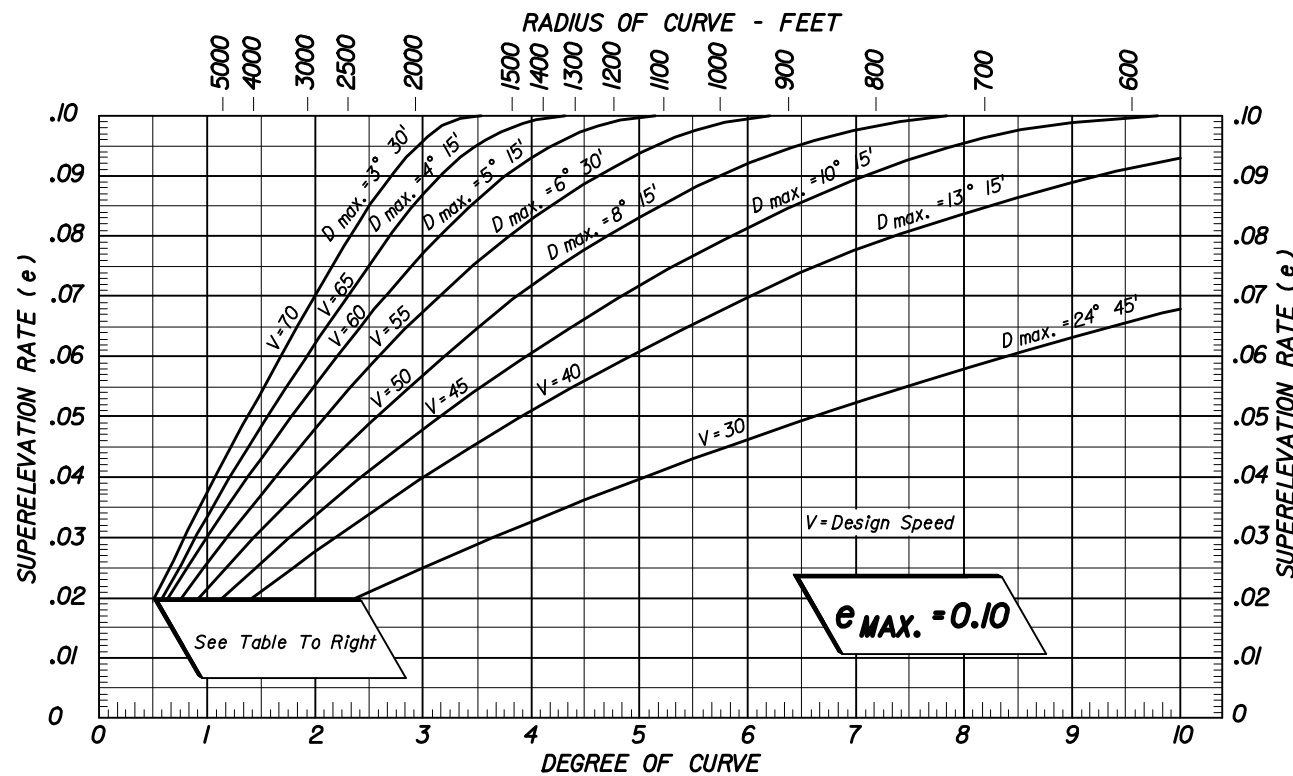


4-LANE OR 6-LANE PAVEMENT WITH MEDIAN

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

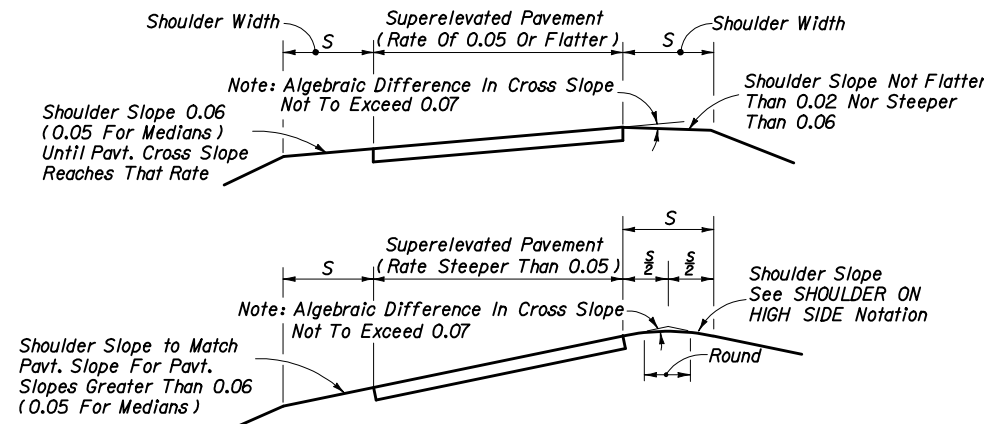
1. Curves of insufficient length.
 2. Insufficient tangent length between curves.
 3. Deficient transition distance between a curve and other control point(s).
 4. At PCC's or PRC's (Runoff rates are applicable).
- Transitions for these exceptions are to be as detailed in the plans.

SUPERELEVATION TRANSITIONS



DESIGN SUPERELEVATION RATES FOR RURAL HIGHWAYS, URBAN FREEWAYS AND HIGH SPEED URBAN HIGHWAYS

DEGREE OF CURVE (D)	DESIGN SPEED, V MPH						
	30	40	45/50	55	60	65	70
0° 15'	NC	NC	NC	NC	NC	NC	NC
0° 30'	NC	NC	NC	NC	RC	RC	RC
0° 45'	NC	NC	RC	RC	0.023	0.025	0.028
1° 00'	NC	NC	0.021	0.025	SEE DESIGN SUPERELEVATION RATE TO LEFT		
1° 30'	NC	0.021					
2° 00'	RC						



SHOULDER CONSTRUCTION WITH SUPERELEVATION

SHOULDER ON HIGH SIDE: A shoulder slope of 0.06 downward from the edge of pavement will be maintained until a 0.07 break in slope at the pavement edge is reached due to superlevation of the pavement. As the pavement superlevation 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 pavement. Any further increase in pavement superlevation will necessitate sloping the inside half of the shoulder toward the pavement and the outer half outward, both at 0.02 for superelevations 0.06-0.09 and both at 0.03 for superlevation 0.10.

SHOULDER ON LOW SIDE: Maintain 0.06 drop across inside shoulder until pavement cross slope reaches 0.06. For pavement cross slopes greater than 0.06, shoulder to have same slope as pavement.

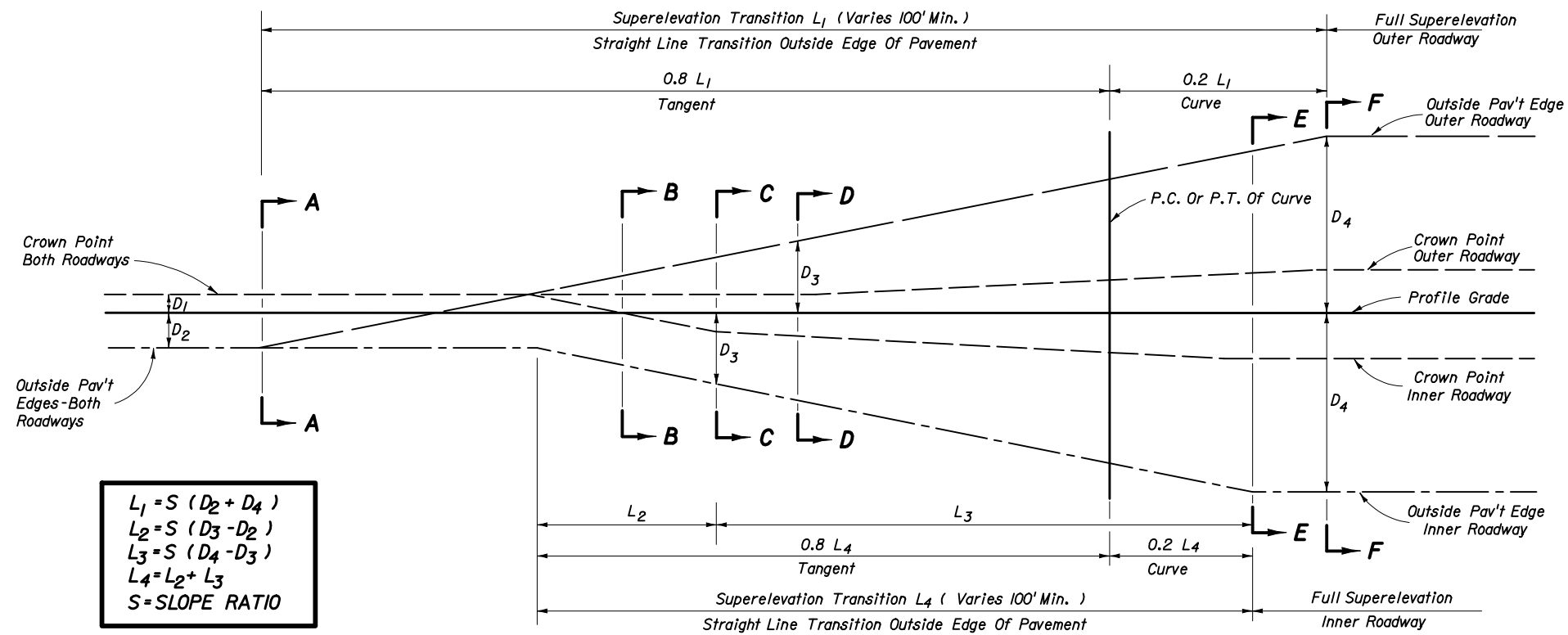
These slopes are the same as those shown pictorially on sheet 2.

NOTE: These details apply to both paved and grassed shoulders. For median shoulders use 0.05 in lieu of 0.06.

GENERAL NOTES

1. For curves in urban highways and high speed urban streets, see Index No. 511.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				
SUPERELEVATION				
RURAL HIGHWAYS, URBAN FREEWAYS AND HIGH SPEED URBAN HIGHWAYS				
Names	Dates	Approved By		
Designed By	HFW	5/65	State Roadway Design Engineer	
Drawn By	LMF	10/74	Revision	Sheet No.
Checked By			00	1 of 2
				510



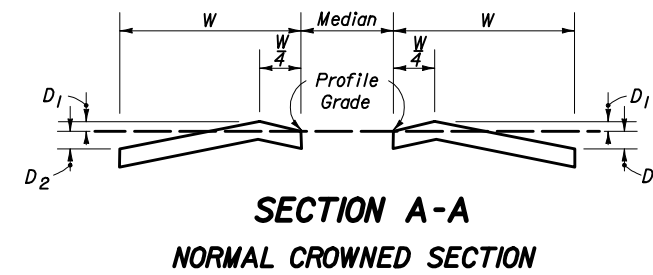
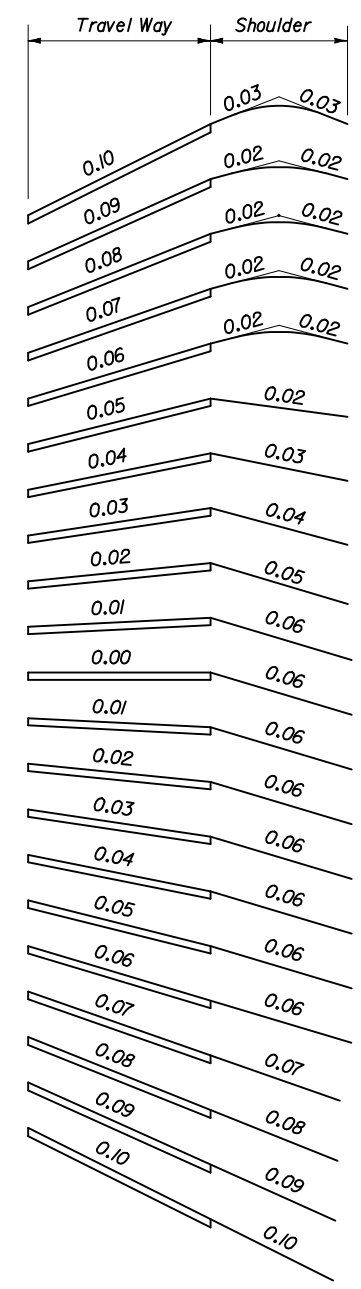
$$L_1 = S (D_2 + D_4)$$

$$L_2 = S (D_3 - D_2)$$

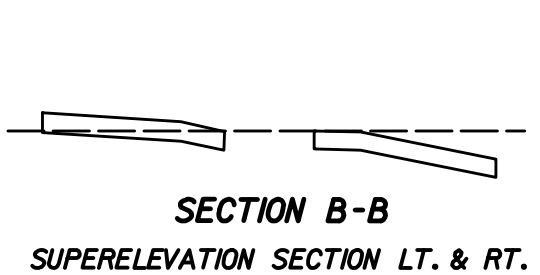
$$L_3 = S (D_4 - D_3)$$

$$L_4 = L_2 + L_3$$

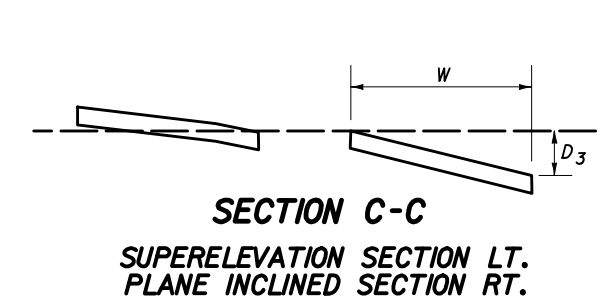
$$S = \text{SLOPE RATIO}$$



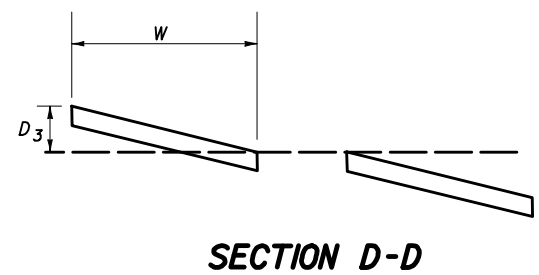
SECTION A-A
NORMAL CROWNED SECTION



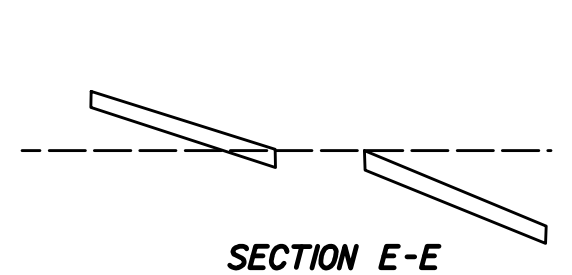
SECTION B-B
SUPERELEVATION SECTION LT. & RT.



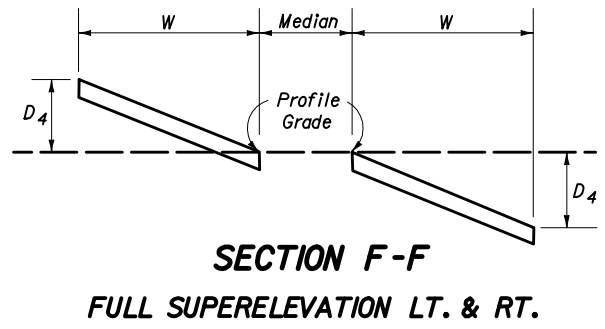
SECTION C-C
SUPERELEVATION SECTION LT.
PLANE INCLINED SECTION RT.



SECTION D-D
PLANE INCLINED SECTION LT.
SUPERELEVATION TRANSITION RT.



SECTION E-E
SUPERELEVATION TRANSITION LT.
FULL SUPERELEVATION RT.



SECTION F-F
FULL SUPERELEVATION LT. & RT.

8-LANE PAVEMENT WITH ONE LANE SLOPED TO MEDIAN

SLOPES OF TRAVELED WAY AND ABUTTING SHOULDERS
SHOULDER SLOPES ON SUPERELEVATION SECTIONS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				
SUPERELEVATION				
RURAL HIGHWAYS, URBAN FREEWAYS AND HIGH SPEED URBAN HIGHWAYS				
Names	Dates	Approved By		
Designed By	WAL 8/77	<i>Blair Blackwell</i> State Roadway Design Engineer		
Drawn By	LMF 8/77			
Checked By	WAL 8/77	Revision	Sheet No.	Index No.
		00	2 of 2	510