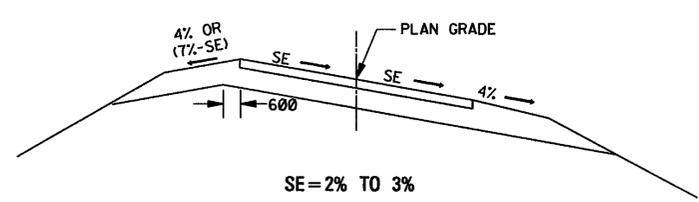
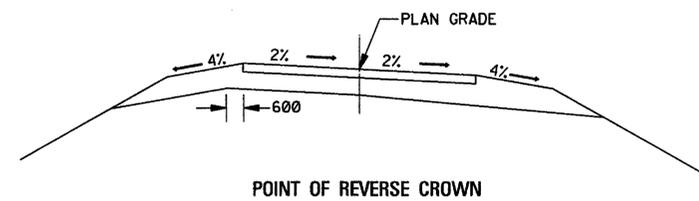


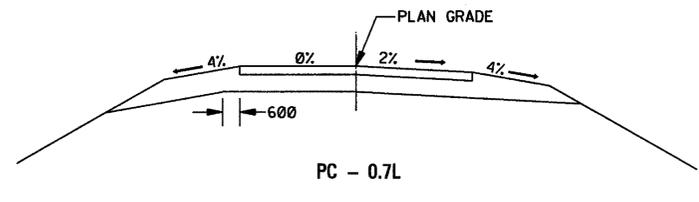
SE=3% TO 6%



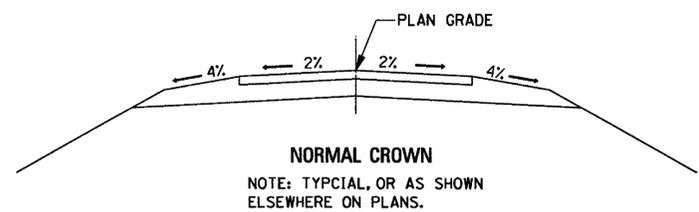
SE=2% TO 3%



POINT OF REVERSE CROWN

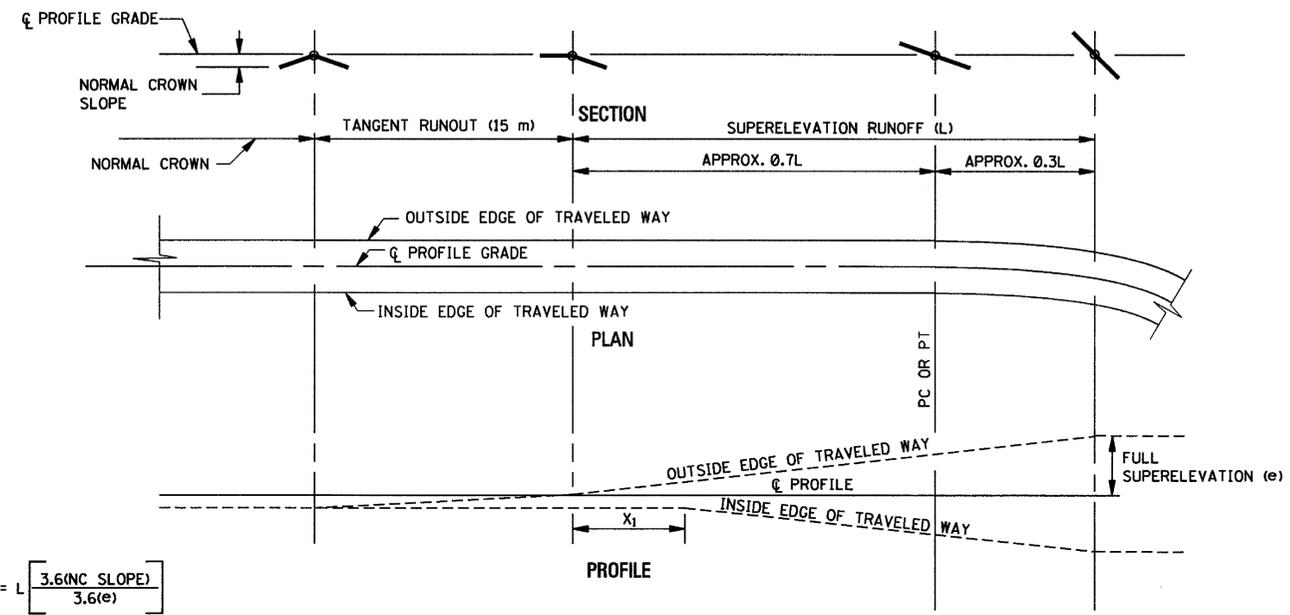


PC - 0.7L



NORMAL CROWN  
NOTE: TYPICAL, OR AS SHOWN ELSEWHERE ON PLANS.

DETAILS OF SHOULDER TREATMENT



DIAGRAMMATIC PLAN AND PROFILE

$$x_1 = L \left[ \frac{3.6(\text{NC SLOPE})}{3.6(e)} \right]$$

V = 80 km/h			
*R(m)	e	L(m)	
		A	B
2500	NC	0	0
2000	RC	44	44
1500	2.2%	44	44
1400	2.4%	44	44
1300	2.5%	44	44
1200	2.7%	44	44
1000	3.1%	44	44
900	3.4%	44	44
800	3.6%	44	44
700	4.0%	44	44
600	4.3%	44	47
500	4.8%	44	52
400	5.3%	44	58
300	5.9%	44	64

\*NOTE: FOR CURVE RADII INTERMEDIATE BETWEEN TABLE VALUES, USE A STRAIGHT-LINE INTERPOLATION TO DETERMINE THE SUPERELEVATION RATE.

- KEY:
- R = RADIUS OF CURVE (m)
  - V = DESIGN SPEED (km/h)
  - e = FULL SUPERELEVATION RATE (%)
  - L = MINIMUM LENGTH OF SUPERELEVATION RUNOFF (FROM ADVERSE CROWN REMOVED TO FULL SUPER) (m)
  - A = "L" FOR 1-LANE WIDTH OF ROTATION
  - B = "L" FOR 2-LANE WIDTH OF ROTATION
  - NC = NORMAL CROWN (2% CROSS SLOPE)
  - RC = REVERSE CROWN; SUPERELEVATE AT NORMAL CROWN SLOPE (2%)

- GENERAL NOTES:
- STATE-AID DIVISION: USE STANDARD SA-SE-1.
  - "L" IN THE TABLE IS FOR ROTATION ABOUT THE CENTERLINE OF 2 LANES ("A") AND 4 LANES ("B") OF TRAVELED WAYS (1 LANE AND 2 LANES EACH SIDE OF THE ROTATION POINT RESPECTIVELY). MINIMUM LENGTH OF RUNOFF FOR VARIOUS WIDTHS OF ROTATION ARE AS FOLLOWS:  
FOR ROTATING ABOUT THE CENTER OF A TWO-WAY LEFT-TURN LANE (I.E., A 5-LANE SECTION): L=(1.20)L IN COLUMN B)  
FOR ROTATING A WIDTH OF 3 TRAVEL LANES: L = (1.33)L IN COLUMN B)  
FOR ROTATING A WIDTH OF 4 TRAVEL LANES: L = (1.67)L IN COLUMN B)
  - A VERTICAL CURVE WITH A LENGTH (IN METERS) EQUAL TO 20% OF THE DESIGN SPEED (IN km/h) SHOULD BE PLACED AT EXCESSIVE ANGULAR BREAKS.

ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN
REVISION	<b>SUPERELEVATION TRANSITION CASE I ROTATION ABOUT CENTERLINE (URBAN FACILITY, V=80 km/h)</b>
DATE	ISSUE DATE: OCTOBER 1, 1998



WORKING NUMBER  
SE-2E  
SHEET NUMBER  
280