

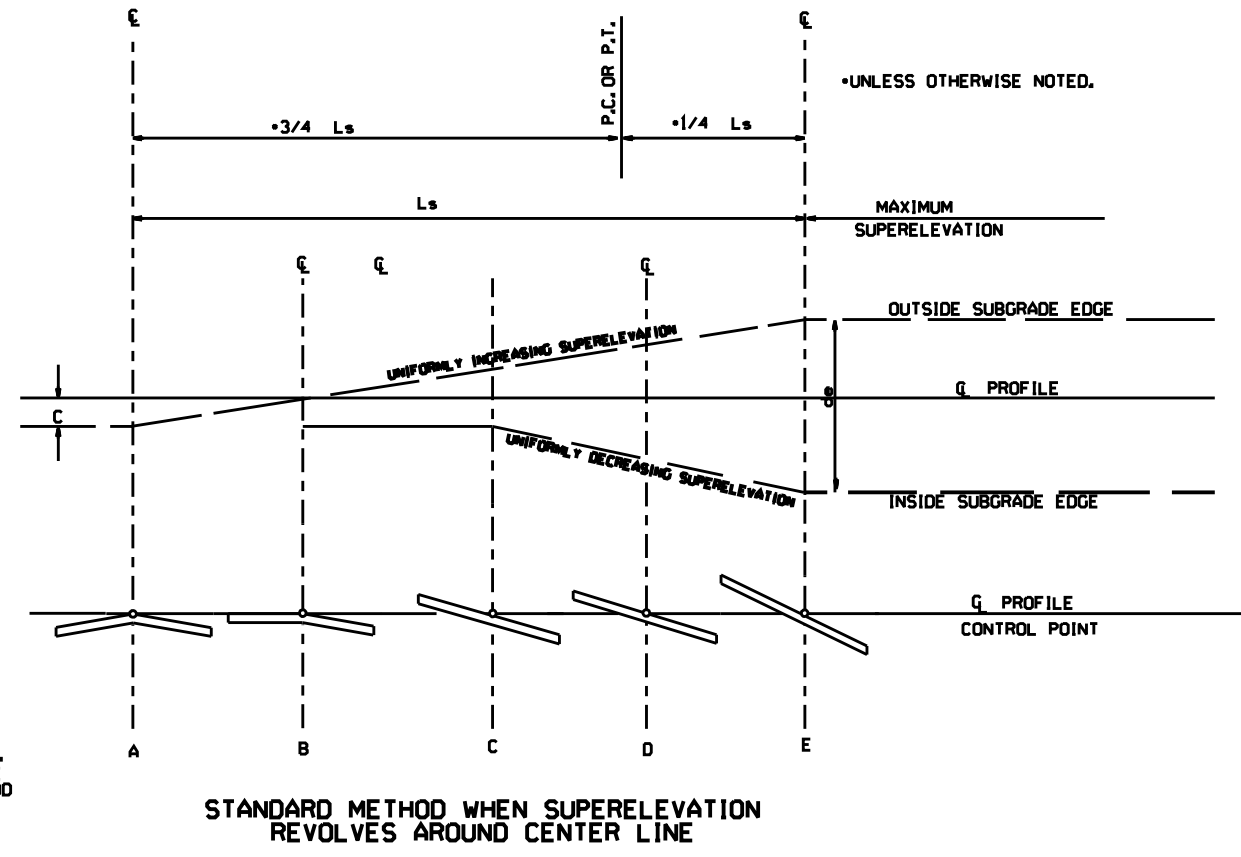
SUPERELEVATION TABLE FOR TWO - WAY TRAFFIC

R (meters)	V _d = 30 km/h		V _d = 40 km/h		V _d = 50 km/h		V _d = 60 km/h		V _d = 70 km/h		V _d = 80 km/h		V _d = 90 km/h		V _d = 100 km/h		V _d = 110 km/h		V _d = 120 km/h		
	L _s (meters)		L _s (meters)		L _s (meters)		L _s (meters)		L _s (meters)		L _s (meters)		L _s (meters)		L _s (meters)		L _s (meters)		L _s (meters)		
	MINIMUM	DESIRABLE	MINIMUM	DESIRABLE	MINIMUM	DESIRABLE	MINIMUM	DESIRABLE	MINIMUM	DESIRABLE	MINIMUM	DESIRABLE	MINIMUM	DESIRABLE	MINIMUM	DESIRABLE	MINIMUM	DESIRABLE	MINIMUM	DESIRABLE	
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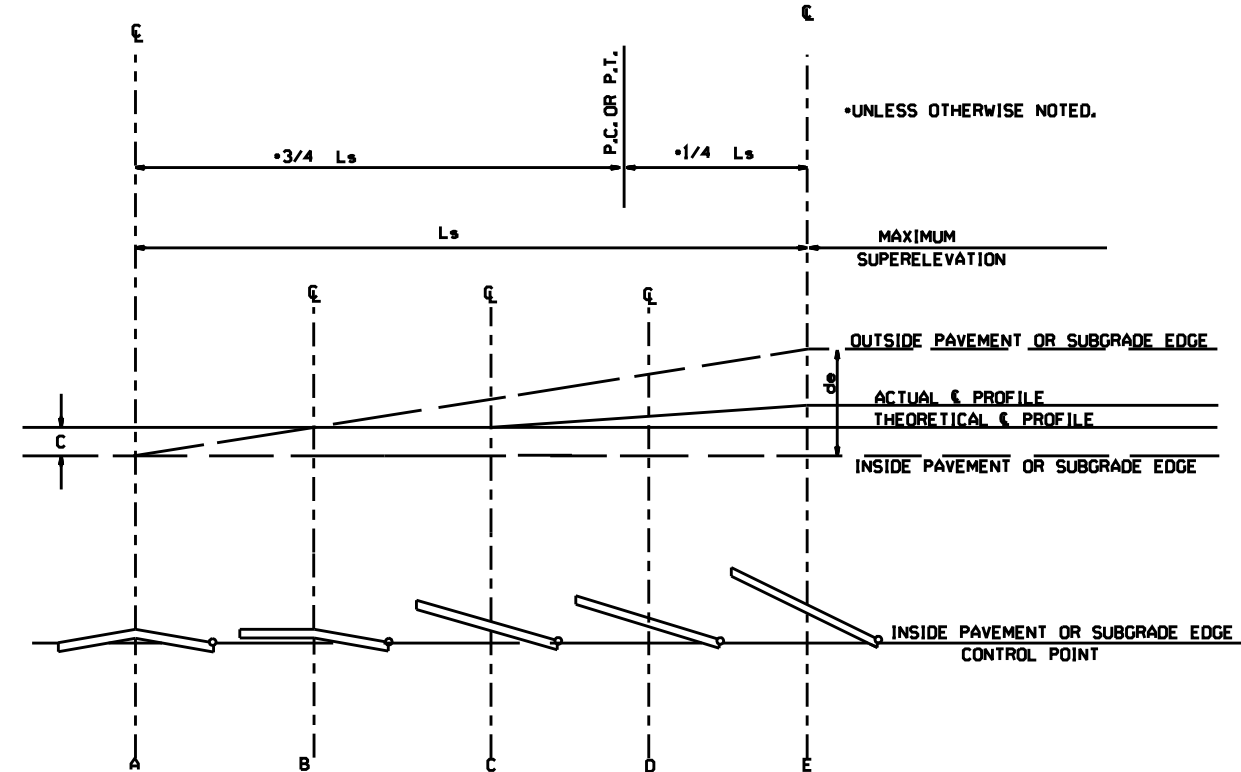
- GENERAL NOTES**
- ON PAVEMENT WITH TWO-WAY TRAFFIC, THE SUPERELEVATION SHALL BE REVOLVED ON THE INSIDE PAVEMENT EDGE UNLESS OTHERWISE NOTED ON THE PLANS
 - SUPERELEVATION VALUES SHOWN ON THE CROSS SECTIONS ARE VALUES (+) OR (-) TO BE ADDED TO OR SUBTRACTED FROM THE POINT OF CONTROL.
 - LENGTHS FOR L MAY BE ROUNDED IN MULTIPLES OF 5m TO PERMIT SIMPLER CALCULATIONS.
 - PAVEMENTS WIDER THAN 2 LANES SHALL HAVE ADDITIONAL TRANSITION LENGTHS AS FOLLOWS:
 - 3 LANE UNDIVIDED - - - - +20%
 - 4 LANE UNDIVIDED - - - - +50%
 - 5 LANE UNDIVIDED - - - - +80%
 - 6 LANE UNDIVIDED - - - - +100%

- ABBREVIATIONS**
- NC - NORMAL CROWN
 - RC - REVERSE CROWN, SUPERELEVATION AT NORMAL CROWN SLOPE
 - e - RATE OF SUPERELEVATION (m PER m)
 - L_s - LENGTH OF SUPERELEVATION TRANSITION (m)
 - L - DISTANCE FROM BEGINNING OF SUPERELEVATION TRANSITION TO ANY POINT (m)
 - d - WIDTH OF PAVEMENT (m) OR WIDTH OF SUBGRADE (m)
 - C - NORMAL CROWN (m)

NOTE: MAINTAIN NORMAL CROWN ON INSIDE UNTIL SUPERELEVATION EXCEEDS 2%. RATE OF SUPERELEVATION SHALL BE COMPUTED ON STRAIGHT LINE METHOD USING APPLICABLE L_s.



STANDARD METHOD WHEN SUPERELEVATION REVOLVES AROUND CENTER LINE



STANDARD METHOD WHEN SUPERELEVATION REVOLVES AROUND INNER SUBGRADE POINT OR INNER PAVEMENT EDGE

$$\text{SUPERELEVATION FORMULA} = \frac{Lde}{L_s}$$

NOTE: MAINTAIN NORMAL CROWN ON INSIDE UNTIL SUPERELEVATION EXCEEDS 2%.

10-8-56	ADDED FORMULA
4-26-56	CORRECTED L TO L _s
7-20-55	CONVERTED TO METRIC
REV	REVISED

ARKANSAS STATE HIGHWAY COMMISSION

TABLES AND METHOD OF SUPERELEVATION FOR TWO-WAY TRAFFIC

STANDARD DRAWING SE-2(M)