

Transition length, L, for a multilane highway

$$L_{CT} = [(CS)(W)]/G \text{ (Metric)}$$

Where:

L_{CT} = calculated transition length (m)

CS = percent change in cross slope of superelevated pavement,

W = distance between the axis of rotation and the edge of traveled way (m),

G = maximum relative gradient (“Table 2-9: Maximum Relative Gradient for Superelevation Transition”).