

Example 3

Fill in the blanks in the curve data below.

CURVE DATA				
Description	R1	R2		
Δ				
Radius (R)				
Tangent Length (T)				
Curve Length (L)				
PC Station				
PT Station				

Determine the following:

- a) Station where tangent runout begins entering Curve R1.
- b) Station where cross slope removal is completed entering Curve R1.
- c) Station where tangent runout ends prior entering Curve R2.
- d) Station where normal cross slope is reached exiting Curve R2.

Example 3

Given: $e_{max} = 6\%$ See Exhibit 3-32 for L_r. Calculate L_r and T.

Curve	Superelevation Runoff (L _r)	Tangent Runout (L _t)	Superelevation Transition (T=L _t +L _r)	Required Superelevation (e)
ft.	ft.	ft.	ft.	%
R ₁ = 2490'	133	53.20 ~53	186	5.0
R ₂ = 1640'	160	53.33 ~53	213	6.0