

ERRATA for
PE Civil: Transportation Practice Exam
 ISBN: 978-1-947801-32-5
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 Errata posted 10/01/2024

Revisions are shown in red.

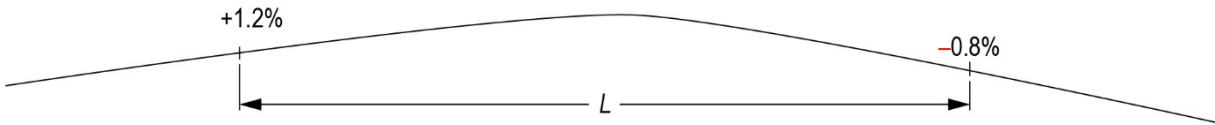
Question 26, p. 15:

PI station = 12+40.00

Degree of curve (arc) = 10°

Deflection angle = 12°30'

Question 43, p. 25:



Solution 26, p. 59:

$$R = 5,729.648/D_a^\circ$$

$$= 5,729.648/10 = 572.96 \text{ ft}$$

$$T = R \tan\left(\frac{1}{2}\Delta\right) = R \tan(6.25^\circ)$$

$$= 572.96 (\tan 6.25^\circ)$$

$$= 572.96 (0.1095178)$$

$$= 62.75 \text{ ft}$$

$$\text{Station PC} = \text{Station PI} - T$$

$$= (12 + 40) - 62.75$$

$$= 11 + 77.25$$

Station PT = Station PC + length of curve

$$\text{Length of curve} = L = 100 \Delta/D_a^\circ$$

$$= 100(12.5)/10 = 125 \text{ ft}$$

$$\text{Station PT} = \text{Station PC} + 125 \text{ ft} = (11 + 77.25) + 125 = 13 + 02.25$$

