

ERRATA for
PE Civil Transportation Practice Exam
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Revisions are shown in red.

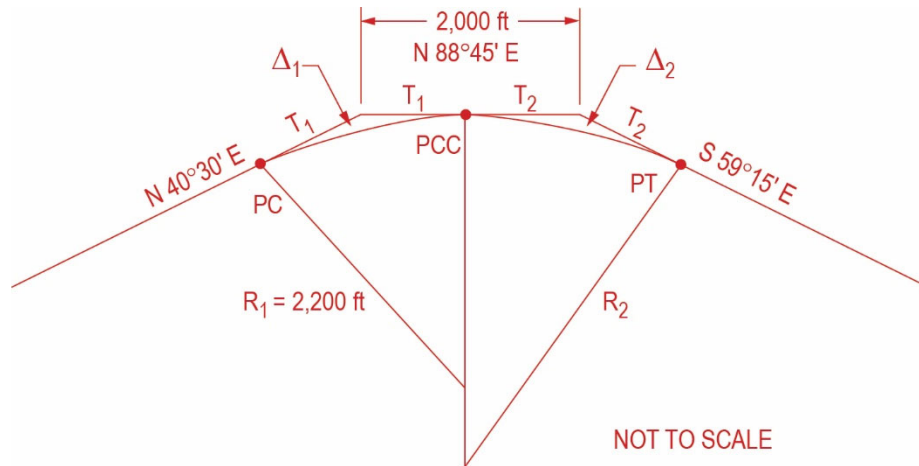
Question 64, p. 42:

Match each value to its corresponding **minimum** horizontal clear-zone width (ft) for the roadway characteristics shown. **Some values will be used more than once.**

<u>DESIGN SPEED (mph)</u>	<u>ADT</u>	<u>SLOPE</u>	<u>WIDTH</u>	
30	400	1V:4H foreslope	<input type="checkbox"/>	
70	13,000	1V:3H backslope	<input type="checkbox"/>	24
				22
50	4,000	1V:8H foreslope	<input type="checkbox"/>	16
60	1,200	1V:4.5H backslope	<input type="checkbox"/>	10
				7
45	7,000	1V:4H foreslope	<input type="checkbox"/>	
35	1,000	1V:6H foreslope	<input type="checkbox"/>	

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Solution 55, p. 78:



$$\Delta_1 = 88.75 - 40.5 = 48.25^\circ$$

$$R_1 = 2,200 \text{ ft}$$

$$T_1 = 2,200 \tan \frac{48.25}{2} = 985.26 \text{ ft}$$

$$T_2 = 2,000 - 985.26 = 1,014.74 \text{ ft}$$

$$\Delta_2 = 1.25 + 30.75 = 32^\circ$$

$$R_2 = \frac{T_2}{\tan \frac{\Delta_2}{2}} = \frac{1,014.74}{\tan \frac{32}{2}} = 3,538.82 \text{ ft}$$

THE CORRECT ANSWER IS: B

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Solution 64, p. 83:

<u>DESIGN SPEED (mph)</u>	<u>ADT</u>	<u>SLOPE</u>	<u>WIDTH</u>
30	400	1V:4H foreslope	7
70	13,000	1V:3H backslope	22
50	4,000	1V:8H foreslope	16
60	1,200	1V:4.5H backslope	16
45	7,000	1V:4H foreslope	24
35	1,000	1V:6H foreslope	10