

ERRATA for
PE Civil Practice Exam (all modules)
Copyright ©2021, 1st printing July 2021
Errata posted 11/18/2022

Revisions are shown in red.

Question 29

An interstate highway has the **monthly average daily traffic volumes** as shown below:

Jan.	63,500
Feb.	62,100
Mar.	64,400
Apr.	64,900
May	75,800
June	77,300
July	78,950
Aug.	77,200
Sept.	70,050
Oct.	69,000
Nov.	66,000
Dec.	<u>64,000</u>
Annual Total	833,200

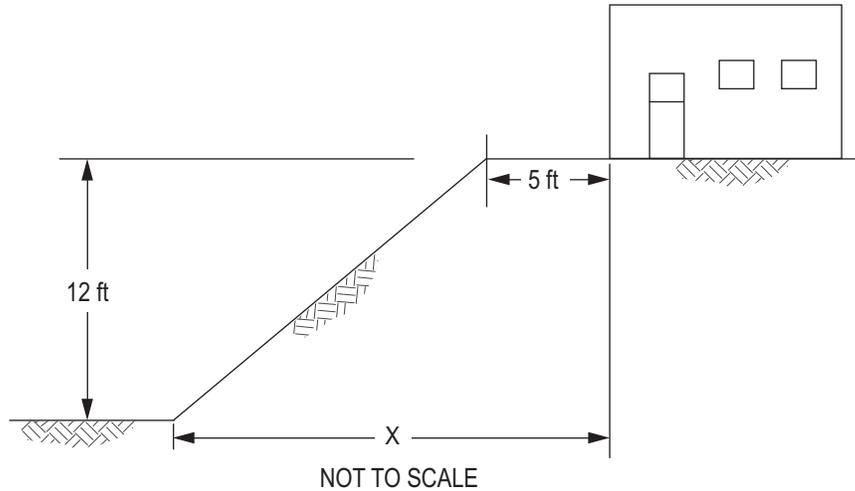
The seasonal factor is most nearly:

- A. 0.28
- B. 0.89
- C. 1.02
- D. 1.12

ERRATA for
PE Civil Practice Exam (all modules)
Copyright ©2021, 1st printing July 2021
Errata posted 11/18/2022

Question 39

Based on the soil classification system found in the federal OSHA excavation regulations, the soil adjacent to an existing building has been classified as Type B. An undisturbed perimeter strip that is 5 ft wide is to be maintained along the face of the building. The excavation is to be 12 ft deep. To meet OSHA excavation requirements, the minimum horizontal distance X (ft) from the toe of the slope to the face of the structure is most nearly:



- A. 11
- B. 14
- C. 17
- D. 23

Solution Table

The solution for 29 is **B**.

ERRATA for
PE Civil Practice Exam (all modules)
Copyright ©2021, 1st printing July 2021
Errata posted 11/18/2022

Solution 29

$$\begin{aligned} \text{AADT} &= \frac{\Sigma (\text{Jan. through Dec.})}{12} \\ &= 833,200 / 12 = 69,433 \\ \Sigma (\text{June through Aug.}) &= 77,300 \\ &\quad 78,950 \\ &\quad \underline{77,200} \\ &233,450 / 3 = 77,817 \end{aligned}$$

Seasonal factor for June through August

$$= 69,433 / 77,817$$

$$= 0.892$$

THE CORRECT ANSWER IS: B