ERRATA for

PE Civil Transportation Practice Exam

ISBN 978-1-932613-73-5
Errata posted 8-26-2019

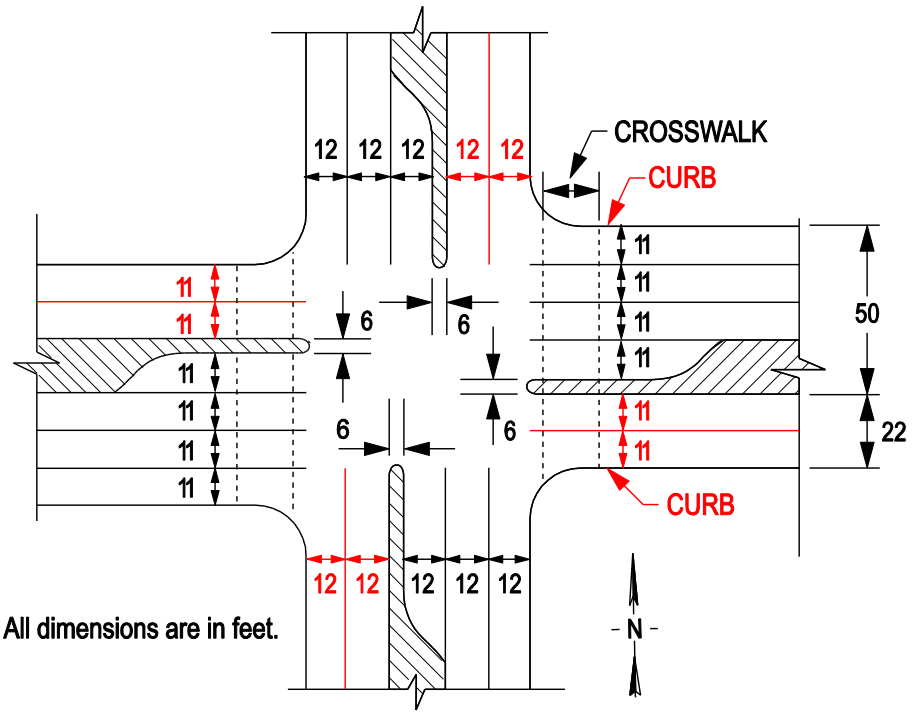
Revisions are shown in red.

Question 528:

Question 528 should read as follows:

The signalized intersection shown has basic pedestrian pushbuttons. Using curb-to-curb distances, the pedestrian clearance time for the north-south direction per the MUTCD is most nearly:

(A) 17
(B) 18
(C) 19
(D) 21



INTERSECTION PLAN
NOT TO SCALE

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Solution 501:

The first eight lines of the solution should read as follows:

Compute the free-flow speed (FFS):

$$FFS = BFFS - f_{LW} - f_{RLC} - 3.22 \times TRD^{0.84}$$

where:

BFFS = 60 mph (given)

f_{LW} = 0 (12-ft lanes)

f_{RLC} = 0 (10-ft shoulders)

$$TRD = \frac{6 \text{ ramps}}{6 \text{ miles}} = 1 \text{ ramp/mile}$$

$$FFS = 60 - 0 - 0 - 3.22\ (1)^{0.84} = 56.8 \text{ mph}$$

Solution 528:

Solution 528 should read as follows:

Reference: MUTCD, p. 497, 2009.

$$PCT = \frac{\text{width}}{\text{walking speed}}$$

Walking speed = 3.5 ft/sec

Width (curb to curb) = 11 + 11 + 6 + 11 + 11 + 11 + 11

$$PCT = \frac{72}{3.5 \text{ ft/sec}} = 20.6 \text{ sec} \approx 21$$

THE CORRECT ANSWER IS: (D)