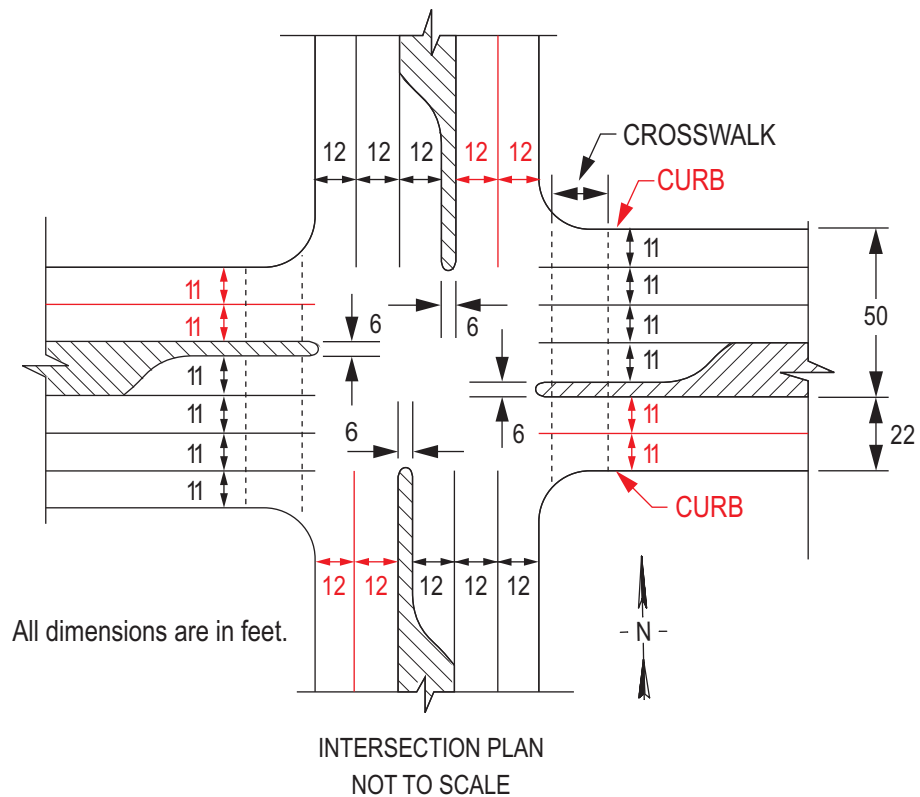**Revisions are shown in red.**

**Question 528, p. 45:**

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



All dimensions are in feet.

INTERSECTION PLAN
NOT TO SCALE

**Solution 528, p. 88:**

Solution 528 should read as follows:

Reference: MUTCD, p. 497, 2009.

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

Walking speed = 3.5 ft/sec

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

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

**THE CORRECT ANSWER IS: (D)**

*Previously posted errata begins on the next page.*

# ERRATA for
## *PE Civil Transportation Practice Exam*
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<span style="color:red">Errata posted 4-10-2015</span>

**<span style="color:red">Revisions are shown in red.</span>**

**Question 501, p. 34:**

Question 501 should read as follows:

The following information applies to a four-lane freeway.

| | |
|---|---|
| Volume | 2,400 vph (in one direction) |
| Peak hour factor | 0.90 |
| <span style="color:red">Free-flow speed (measured)</span> | <span style="color:red">55 mph</span> |
| 5% truck traffic <span style="color:red">in peak hour</span> | |
| 12-ft lanes | |
| 10-ft outside shoulders | |
| Level terrain | |
| No recreational vehicles | |
| Commuter traffic familiar with facility | |

The level of service (LOS) for the freeway is most nearly:

**Solution 501, p. 77:**

Solution 501 should read as follows:

Reference: Transportation Research Board, *Highway Capacity Manual*, 2010, pp. 11-7 to 11-19.

<span style="color:red">FFS = 55 mph</span>

Compute $f_{HV}$, p. 11-13, level terrain $E_T = 1.5$:

$$f_{HV} = \frac{1}{1 + P_T(E_T - 1)} = \frac{1}{1 + 0.05(1.5 - 1)} = 0.9756$$

Compute flow rate:

$$v_p = \frac{V}{(PHF)(N)(f_{HV})(f_p)} = \frac{2,400}{0.9 \times 2 \times 0.976 \times 1.00} = 1,366 \text{ pcphpl}$$

Compute density:

$$\text{Density} = \frac{v_p}{\text{speed}} = \frac{1,366}{55} = \textcolor{red}{24.8} \text{ pcpmpl}$$

Find LOS:

From p. 11-7, LOS = C

**THE CORRECT ANSWER IS: (C)**

**Question 530, p. 47:**

The ninth line should read as follows:

2 left-turning

**Solution 530, p. 89:**

Warrant 7 should read as follows:

Warrant 7:  Crash Experience
Condition A is met; alternatives have not reduced crash frequency.
Condition B is met; 5 accidents are subject to correction by a signal; 5 in 9 months exceeds 5 in 12 months.
Condition C is met; since speed exceeds 40 mph, use the 56% column and the second row of Table 4C-1; major and minor volumes exceed table values for 8 hours or more. Therefore, Warrant 7 is met.

**THE CORRECT ANSWER IS: (D)**