

The minimum passing sight distance for two-lane highways is determined as the sum of the following four distances (shown in Exhibit 3-4):

- d_1 —Distance traversed during perception and reaction time and during the initial acceleration to the point of encroachment on the left lane.
- d_2 —Distance traveled while the passing vehicle occupies the left lane.
- d_3 —Distance between the passing vehicle at the end of its maneuver and the opposing vehicle.
- d_4 —Distance traversed by an opposing vehicle for two-thirds of the time the passing vehicle occupies the left lane, or $\frac{2}{3}$ of d_2 above.

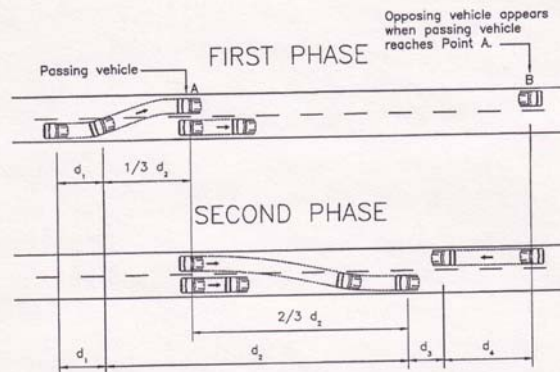


Exhibit 3-4. Elements of Passing Sight Distance for Two-Lane Highways