

RESTRICTED
SECTION 14-SIGHT DISTANCE

0320. Driving safety is affected by the sight distance available to the driver no less than by width, gradients and road surface. Required sight distance is based on the speed of vehicles and the braking distance needed for an emergency stop. If standard sight distance cannot be provided, warning signs must be erected and speed limits should be imposed. Minimum standards are given in Table 3.10.

0321. Horizontal curves:- Sight distance is affected by the driver's position relative to the inner road edge as well as by obstacles (see Figure 3.3).



Figure 3.3: Horizontal Sight Distance

0322. Vertical curves:- The height of the driver's eye above the road surface must be taken into account (see Figure 3.4). The standard height is taken as 3 ft 9 ins.

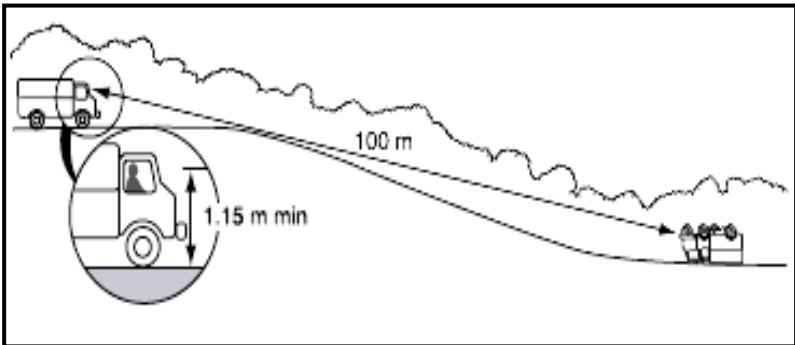


Figure 3.4: Vertical Sight Distance

TABLE 3.10 – SIGHT DISTANCE

(Standard speed for calculation-35 mph
Height of eye-level above road-3 ft 9 inches)

Class of road	Sight distance (ft)
(a)	(b)
Strategic military road	500
Tactical road	300

0323. Special Cases.

- a. Whenever possible, straight and reasonably level approaches not less than 100 ft long should be provided on each side of a bridge.
- b. Whenever practicable, straight lengths not less than 1000 ft long should be provided to allow fast traffic to overtake transport column.

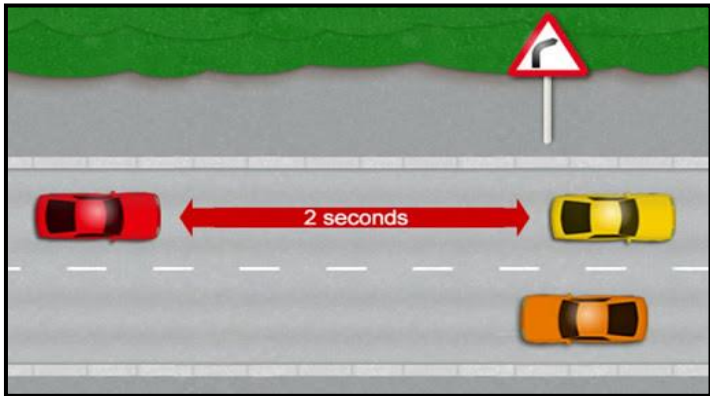


Figure 3.3: Stopping Sight Distance