

b. Intersection visibility at controlled intersections.

At controlled intersections, the procedure for providing the "sight triangle" which is the area to be clear of obstruction for sight distance at controlled intersections shall be in accordance with Caltrans Design Manual (Figure 1 illustrates the sight triangle). The manual specifies a driver eye height of 3.5 feet, an approaching vehicle height of 4.25 feet, a driver's eye setback of 14 feet from the flowline (4 foot stop bar setback + 10-foot eye setback from the stop bar) and the sight distances included in Table 1. Within the sight triangle, all objects shall be below 3 feet in height and above 7 feet in height. In cases where providing intersection sight distance is unreasonable due to site characteristics as determined by the Director of Engineering Services and the Director of Planning and Community Development, adjustment can be made as long as a safe stopping sight distance can be provided. Examples of unreasonably costly conditions include areas where a wall or building exists on an adjoining lot or in hillside areas where extreme grading would be necessary.

TABLE 1
SIGHT DISTANCE AT CONTROLLED INTERSECTIONS

Major Street Speed (mph)	Desirable Intersection Sight Distance ^a (feet)
25	275
30	330
40	450
45	500
50	550
55	600

Section 2. The City Clerk is directed to deliver a certified copy of the ordinance to the Director of Planning and Community Development.