

- entrances and 2.0 feet for residential driveways in determining proper sight distance. Drivers eye height and object heights shall both be 3.5 feet for intersecting streets commercial
- grades of 3 percent or less. For mainline roadways wider than two lanes or Stop Bars located 2. The intersection sight distances provided are based on turning onto a two-lane highway and further back than the minimum, provide calculations for the additional lanes, medians, or length.
- 3. For intersections where the entire unobstructed line of sight is not contained within the intersection sight distance to the intersection. The object height of 3.5 feet must be visible for the entire distance from the specified right-of-way, provide a "Line of Sight Easement" so that the line of sight will remain unobstructed

Design Intersection Sight Distance

Case B2 - Right Turn From Stop Case B1 - Left Turn From Stop Case B3 - Crossing Maneuver

35 40 45 50 55	15 20 25 30	Design Speed (MPH)	
250 305 360 425 495	80 115 155 200	Stopping Sight Distance (FEET)	Driveways
390 445 500 555 610	170 225 280 335	Intersections 1 (FEET)	Streets & Commercial Entrances
335 385 430 480 530	145 195 240 290	Intersection Sight Distance Case 1 Case 2 Case FEET) (FEET) (FEET	commercial
335 385 430 480 530	145 195 240 290	Distance Case 3 (FEET)	Entrances

vehicle to perform a maneuver onto a two-lane highway with no median and grades 3 percent or less. For other conditions, the time gap must be adjusted and required sight distance recalculated. Note: Intersection Sight Distance shown is for a stopped passenger

Adjustment Factors for Sight Distance Based on Approach Grade

+ 6	+5	+4	-3 to +3	-4	-5	-6	Approach Grade (%)		
1.0	1.0	1.0	1.0	1.0	1.0	<u>-</u>	15		
1.0	1.0	1.0	<u>.</u> 0	1.0	1.0	<u>.</u>	20		
0.9	1.0	1.0	1.0	1.0	:	<u>:</u>	25		
0.9	0.9	1.0	1.0	<u>-1</u>		<u></u>	30	Design Speed (MPH)	
0.9	0.9	0.9	1.0	<u>.</u>	<u>.</u>		35	Spee	
0.9	0.9	0.9	1.0		<u>:</u>	<u>-</u>	40	d (MP	
0.9	0.9	0.9	1.0		1	<u>.</u>	45	၂ ၂	
0.9	0.9	0.9	1.0		1	1.2	50		
0.9	0.9	0.9	10	<u>.</u>	<u>.</u>	1.2	55		



Requirements for Driveways and **Intersection Sight Distance** Side Streets

Drawn By: BRB Date: 08/15/06