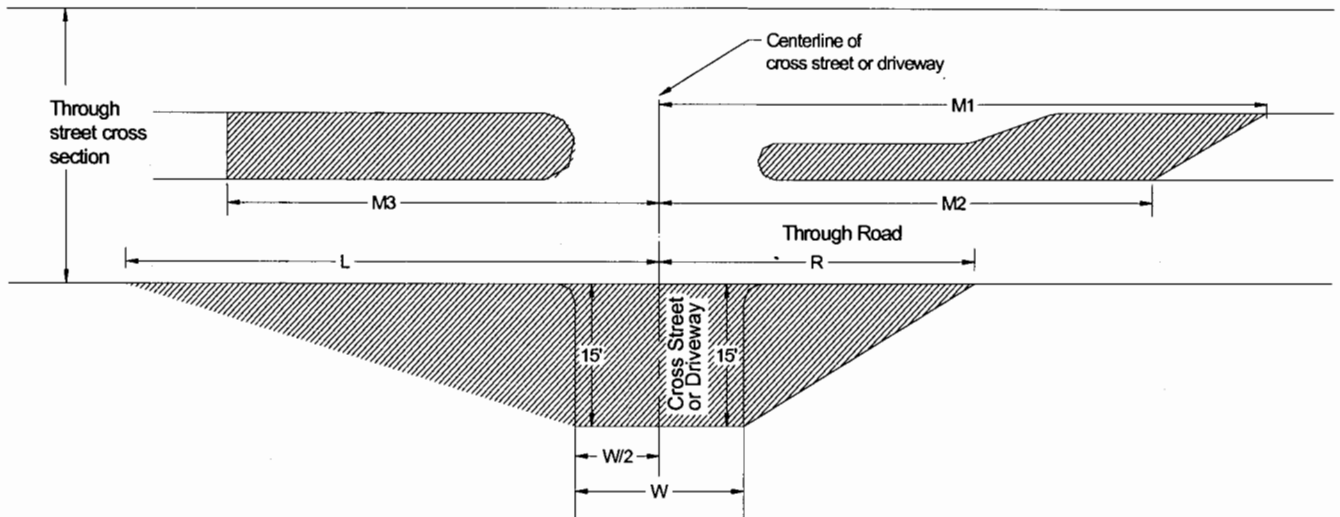


City of Mesa Simplified Design Guidelines For Sight Triangles (In Feet) on Straight Sections of Road



LU = lanes undivided (i.e., road without a raised center median) LD = lanes divided (i.e., road with raised center median)

Speed Limit of Through Road	Cross-Section of Through Road	L (feet)	R (feet)	M1 (feet)	M2 (feet)	M3 (feet)
25	2LU (34')	245	135	-	-	-
	2LU (40')	190	125	-	-	-
35	2LU (40')	250	165	-	-	-
	3LU (46' & 48')	270	145	-	-	-
40	5LU (68')	315	145	-	-	-
	4LD (72')	325	140	515	380	255
	7LU (88')	345	130	-	-	-
	6LD (94')	340	120	555	430	275
45	5LU (68')	350	160	-	-	-
	4LD (72')	355	145	575	420	280
	7LU (88')	385	145	-	-	-
	6LD (94')	375	135	615	475	305

Values of "L", "R", "M1" and "M2" are based on 2001 AASHTO Intersection Sight Distance Guidelines for Case B1 – Left Turn Maneuver From STOP, Level Grade, Passenger Car.

Values of "M3" are based on 2001 AASHTO Intersection Sight Distance Guidelines for Case F – Left Turns From Major Road Level Grade, Passenger Car.

Values reflect a driver's eye position 15 ft. back from face of through road curb, and on the centerline of the approach/cross-street. Values for "M3" are for a left turning through road driver's eye position at the centerline of the cross-street and 5.5 feet off of the through road median.

Values in the table are based on sight distances calculated for 5 mph over the posted speed limit.