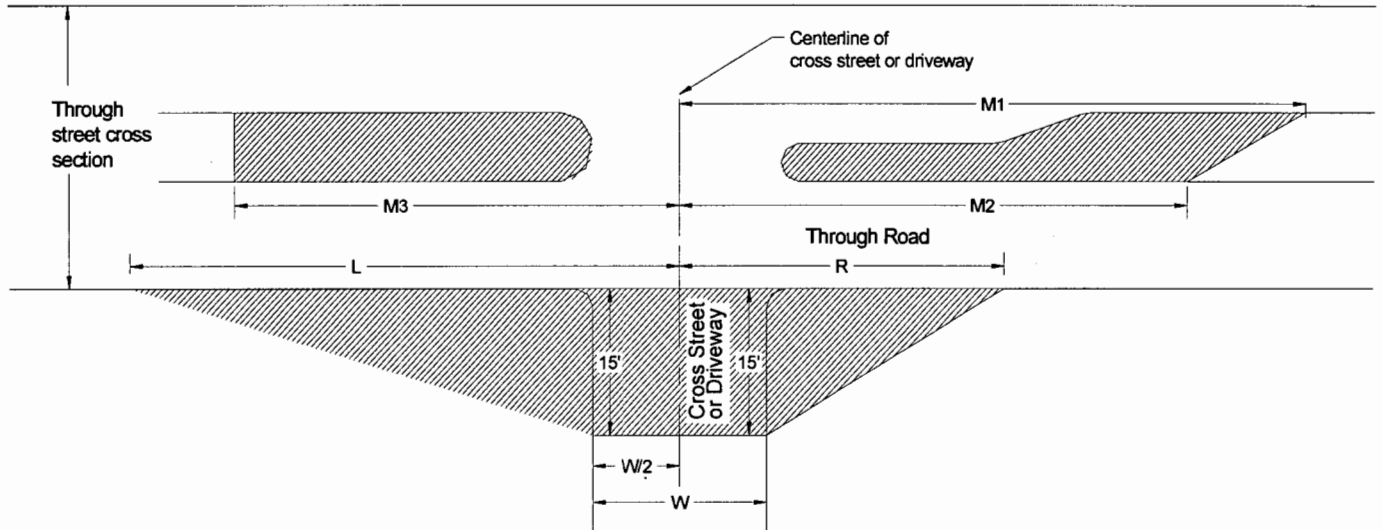


City of Mesa

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	-	-	-
	2LU (48')	150	115	-	-	-
	3LU (46'&48')	200	110	-	-	-
	4LD (68'&72') & 5LU (68')	220	95	345	255	170
	6LD (88') & 7LU (88')	240	85	370	280	185
	6LD (94')	225	80	370	285	185
30	2LU (34')	285	155	-	-	-
	2LU (40')	220	145	-	-	-
	2LU (48')	175	130	-	-	-
	3LU (46'&48')	235	125	-	-	-
	4LD (68'&72') & 5LU (68')	255	110	400	295	200
	6LD (88') & 7LU (88')	280	100	430	330	215
	6LD (94')	265	95	430	335	215
35	2LU (34')	325	180	-	-	-
	2LU (40')	250	165	-	-	-
	2LU (48')	200	150	-	-	-
	3LU (46'&48')	270	145	-	-	-
	4LD (68'&72') & 5LU (68')	290	125	460	335	225
	6LD (88') & 7LU (88')	320	115	490	375	245
	6LD (94')	300	105	490	380	245
40	2LU (34')	365	200	-	-	-
	2LU (40')	285	185	-	-	-
	2LU (48')	225	170	-	-	-
	3LU (46'&48')	300	165	-	-	-
	5LU (68')	315	145	-	-	-
	4LD (68'&72')	325	140	515	380	255
	7LU (88')	345	130	-	-	-
	6LD (88')	360	125	550	420	275
	6LD (94')	340	120	555	430	275

Speed Limit of Through Road	Cross-Section of Through Road	L (feet)	R (feet)	M1 (feet)	M2 (feet)	M3 (feet)
45	2LU (34')	405	220	-	-	-
	2LU (40')	315	205	-	-	-
	2LU (48')	250	190	-	-	-
	3LU (46'&48')	335	180	-	-	-
	5LU (68')	350	160	-	-	-
	4LD (68')	365	155	570	420	280
	4LD (72')	355	145	575	420	280
	6LD (88')	400	140	615	470	305
	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.