

INTERSECTION SIGHT DISTANCE: 6-LANE DIVIDED

Median 22' or Less				
Design Speed (mph)	d_x (Ft.)	d_L (Ft.)	d_r (Ft.)	d_m (Ft.)
≤ 25	350	250	65	300
30	415	295	80	355
35	485	345	90	415
40	555	395	105	470
45	625	445	115	530
50	690	490	130	585
55	760	540	140	645
60	830	590	155	705
65	900	640	170	765
70	970	690	180	825

25'-64' MEDIAN				
Design Speed (mph)	d (Ft.)	d_L (Ft.)	d_v (Ft.)	d_{vL} (Ft.)
≤ 25	315	225	275	200
30	375	265	330	240
35	440	315	385	280
40	500	355	445	320
45	565	400	500	360
50	625	445	555	400
55	690	490	610	440
60	750	530	665	480
65	815	580	720	520
70	875	620	775	560

Passenger Vehicle

Median 35' or Less				
Design Speed (mph)	d_x (Ft.)	d_L (Ft.)	d_r (Ft.)	d_m (Ft.)
≤ 25	475	340	75	415
30	570	405	90	495
35	665	470	105	580
40	760	540	120	660
45	855	605	135	745
50	955	675	155	830
55	1050	745	170	915
60	1145	810	185	995
65	1240	880	200	1080
70	1330	940	210	1155

40'-64' Median				
Design Speed (mph)	d (Ft.)	d_L (Ft.)	d_v (Ft.)	d_{vL} (Ft.)
≤ 25	400	285	350	250
30	480	340	420	300
35	560	400	490	350
40	640	455	560	400
45	720	510	630	450
50	805	570	700	500
55	885	625	770	550
60	965	685	840	600
65	1045	740	910	650
70	1125	795	980	700

SU Vehicle

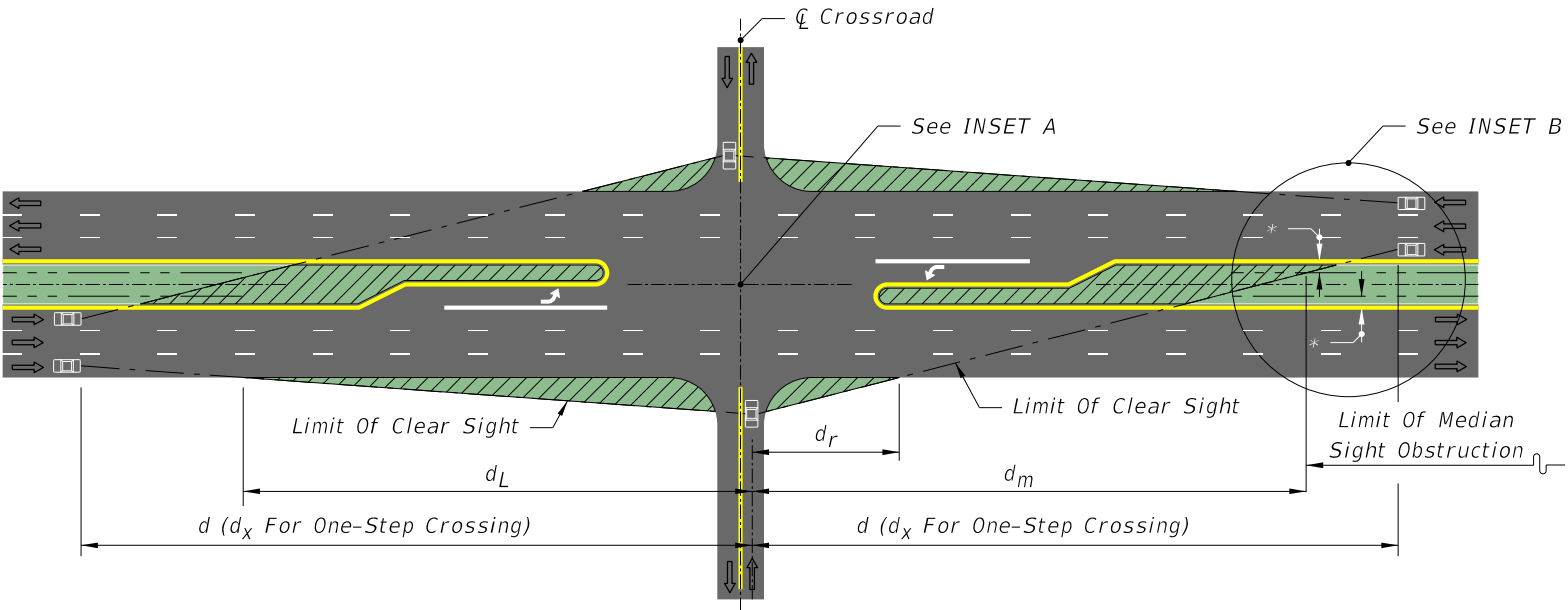
Median 30' or Less				
Design Speed (mph)	d_x (Ft.)	d_L (Ft.)	d_r (Ft.)	d_m (Ft.)
≤ 25	540	385	90	465
30	650	460	110	560
35	755	535	130	655
40	865	615	145	745
45	970	690	165	835
50	1080	765	185	930
55	1185	840	200	1025
60	1290	915	220	1115
65	1400	990	235	1210
70	1510	1070	255	1300

35'-50' Median				
Design Speed (mph)	d_x (Ft.)	d_L (Ft.)	d_r (Ft.)	d_m (Ft.)
≤ 25	585	415	80	520
30	700	495	95	625
35	815	580	115	725
40	930	660	130	825
45	1045	740	145	930
50	1165	825	160	1035
55	1280	905	175	1140
60	1395	990	190	1240
65	1510	1070	210	1340
70	1630	1155	225	1450

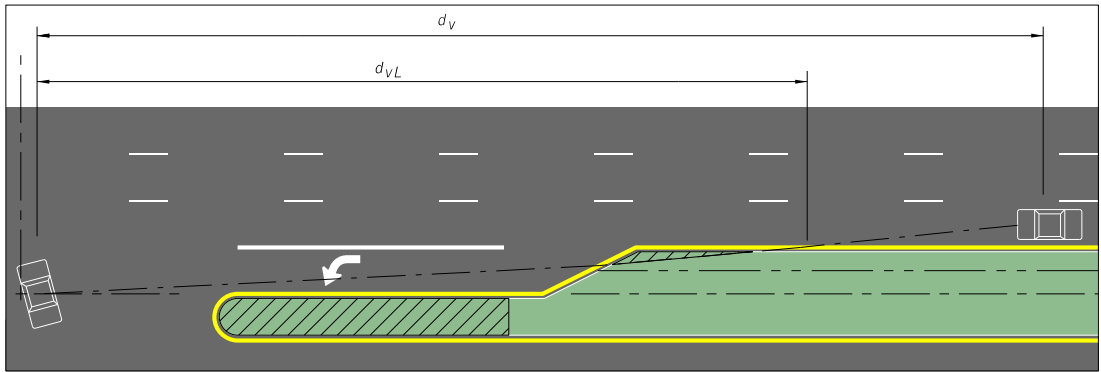
Combined Vehicles

64' Median				
Design Speed (mph)	d (Ft.)	d_L (Ft.)	d_r (Ft.)	d_m (Ft.)
≤ 25	610	435	75	550
30	735	520	90	665
35	900	640	110	815
40	980	695	120	885
45	1100	780	135	995
50	1220	865	150	1100
55	1345	955	160	1215
60	1465	1040	175	1320
65	1590	1125	190	1435
70	1710	1210	205	1545

Vehicle Type	Vehicle Length (Ft.)
Passenger (P)	19
Single Unit (SU)	30
Large School Bus	40
WB-40	45.5
WB-62FL	73.5

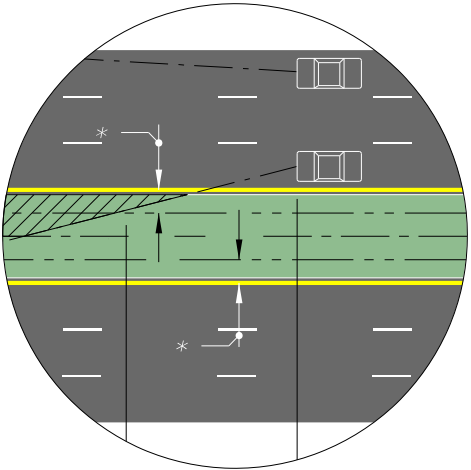


6-LANE DIVIDED



Where The Median Is Sufficiently Wide For The Design Vehicle To Pause In The Median (Vehicle Length Plus 6' Min.) The Clear Line Of Sight To The Right (d_v) Is Measured From The Vehicle Pause Location, i.e., Not From The Cross Road Stop Position; Distances d_r & d_m Do Not Apply.

INSET A



INSET B

* Lateral Offset For Restricted Conditions
Clear Zone For Nonrestricted Conditions

NOTES FOR 6-LANE DIVIDED ROADWAY

- See Figure 212.11.1 for origin of clear sight line on the minor road.
- Values shown in the tables are the governing (controlling) sight distances calculated based on 'AASHTO Case B - Intersection with Stop Control on the Minor Road.'

NOT TO SCALE

LEGEND

 Areas Free Of Sight Obstructions

EXHIBIT 212-7
01/01/2025

SIGHT DISTANCES (d), (d_v) & (d_x) AND RELATED DISTANCES (d_L , d_r , d_m & d_{vL}) (FEET)