

SIGHT DISTANCE AT INTERSECTIONS FOR LEFT, OR RIGHT TURNING & CROSSING VEHICLES WITH STOP CONTROL

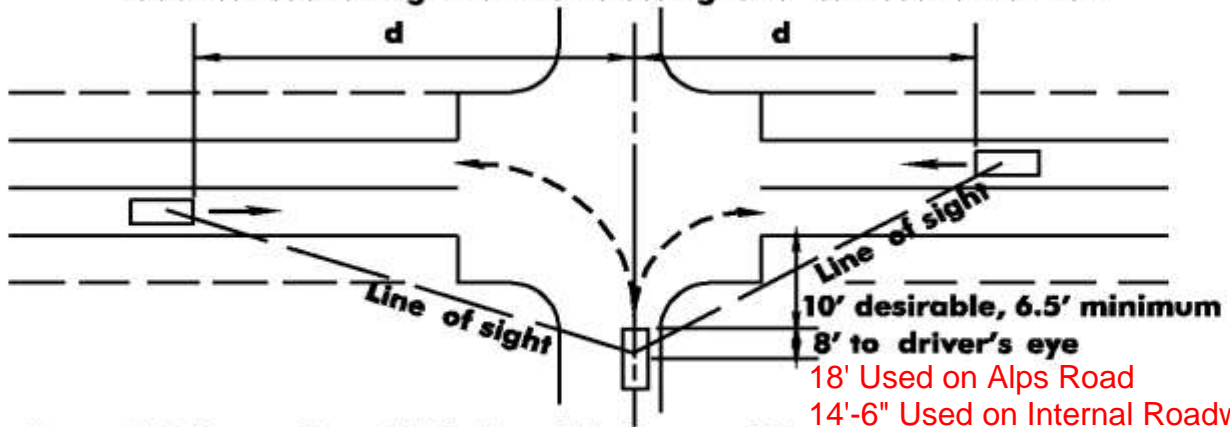
FIGURE: 6-A
BDC07MR-05

Intersection Sight Distance(d) Stop Control on Minor Road Two Lane Highway						
Design Speed	Left-Turn			Right-Turn or Cross		
	P	SU	WB	P	SU	WB
25	280	350	425	240	315	385
30	335	420	510	290	375	465
35	390	490	595	335	440	540
40	445	560	680	385	500	620
45	500	630	760	430	565	695
50	555	700	845	480	625	775
55	610	770	930	530	690	850
60	665	840	1015	575	750	930
65	720	910	1100	625	815	1005
70	775	980	1185	670	875	1085

For highways with more than 2 lanes or when approach grade on minor road exceeds 3%, the distance (d) must be calculated using the formula: $d = 1.47Vt_g$

Design Vehicle	Time Gap, t_g Left-Turn	Time Gap, t_g Right-Turn & Cross
P	7.5 (See Notes)	6.5 (See Notes)
SU	9.5 (See Notes)	8.5 (See Notes)
WB	11.5 (See Notes)	10.5 (See Notes)

- Notes:**
- For left turn or crossing add 0.5 sec. for P and 0.7 sec. for SU & WB for each additional lane crossed.
 - For each percent the upgrade on minor road exceeds 3%, add 0.1 sec for right turn or crossing and 0.2 sec for left turn



Source: A Policy on Geometric Design of Highways and Streets.