

City of Concord
Technical Standards Manual

Article VIII
Traffic Impact Analysis (TIA)
Appendix E

Sight Distance Evaluation Criteria



Sight Distance Criteria

Sight distance should be measured at a height of 3.5' above the ground with a minimum of 1' vertical separation between the highest obstruction and the sight line. Table A-1 gives the minimum required sight distance for stop controlled intersections.

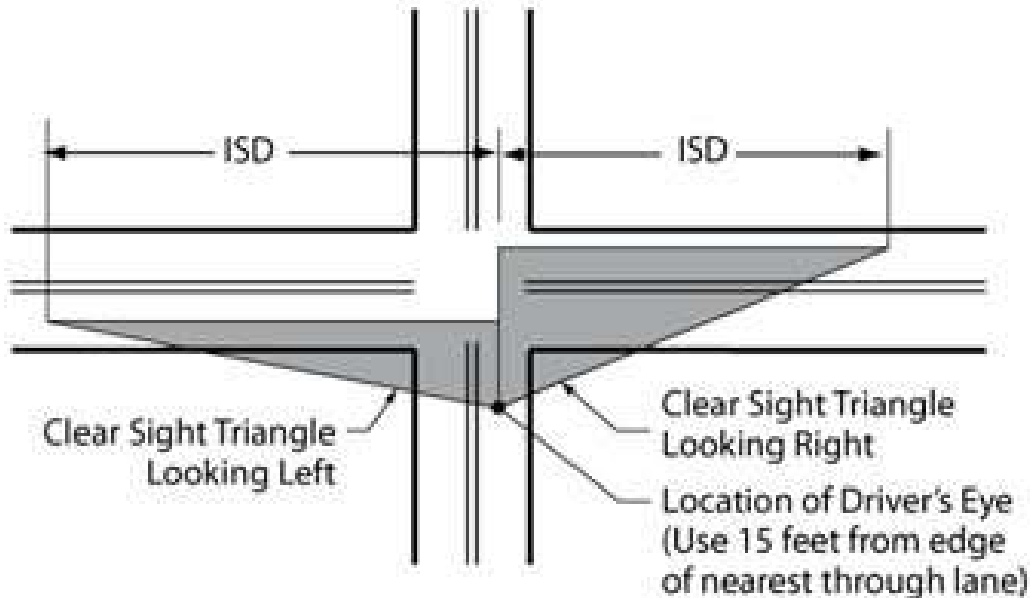


Table E-1

Design Speed (mph)	Minimum Intersection Sight Distance (ISD)*		
	Passenger Cars (ft.) Left / Right	Single Unit Trucks (ft.) Left / Right	Combination Trucks (ft.) Left / Right
20	225 / 195	279 / 250	337 / 310
25	280 / 240	348 / 315	422 / 385
30	335 / 290	418 / 375	506 / 465
35	390 / 335	488 / 440	590 / 540
40	445 / 385	557 / 500	675 / 620
45	500 / 430	627 / 565	759 / 695
50	555 / 480	697 / 625	843 / 770
55	610 / 530	766 / 685	927 / 850

***Values are based on case B1 and B2 from AASHTO Policy on Geometric Design of Highways and Streets with base condition of two-lane highway with no median and grades ≤3%. For conditions outside of the base conditions appropriate adjustments should be made in accordance with AASHTO Policy.**