

Table 2-12 m: Clear Zones					
(Metric)					
Location	Functional Classification	Design Speed (km/h)	Avg. Daily Traffic <sup>2</sup>	Clear Zone Width (m) <sup>3,4,5</sup>	
				Minimum	Desirable
Rural	Freeways	All	All	9.0 (4.9 for ramps)	
Rural	Arterial	All	0 – 750	3.0	4.9
			750 – 1500	4.9	9.0
			>1500	9.0	--
Rural	Collector	≥80	All	Use above rural arterial criteria.	
Rural	Collector	≤70	All	3.0	--
Rural	Local	All	All	3.0	--
Suburban	All	All	<8000	3.0 <sup>6</sup>	3.0 <sup>6</sup>
Suburban	All	All	8,000 – 12,000	3.0 <sup>6</sup>	6.0 <sup>6</sup>
Suburban	All	All	12,000 – 16,000	3.0 <sup>6</sup>	7.6 <sup>6</sup>
Suburban	All	All	>16,000	6.0 <sup>6</sup>	9.0 <sup>6</sup>
Urban	Freeways	All	All	9.0 (4.9 for ramps)	
Urban	All (Curbed)	≥80	All	Use above suburban criteria insofar as available border width permits.	
Urban	All (Curbed)	≤70	All	0.5 from curb face	1.0
Urban	All (Uncurbed)	≥80	All	Use above suburban criteria.	
Urban	All (Uncurbed)	≤70	All	3.0	--

<sup>1</sup>Because of the need for specific placement of assist traffic operations, devices such as traffic signal supports, railroad signal/warning device supports, and controller cabinets are excluded from clear zone requirements. However, these devices should be located as far from the travel lanes as practical. Other non-breakaway devices should be located outside the prescribed clear zones or these devices should be protected with barrier.

<sup>2</sup>Average ADT over project life, i.e., 0.5 (present ADT plus future ADT). Use total ADT on two-way roadways and directional ADT on one-way roadways.

<sup>3</sup>Without barrier or other safety treatment of appurtenances.

<sup>4</sup>Measured from edge of travel lane for all cut sections and for all fill sections where side slopes are 1V:6H or flatter. Where fill slopes are steeper than 1V:6H it is desirable to provide an area free of obstacles beyond the toe of slope.

<sup>5</sup>Desirable, rather than minimum, values should be used where feasible.

<sup>6</sup>Purchase of 1.5 m or less of additional right-of-way strictly for satisfying clear zone provisions is not required.