


Edmonton Roadway Classification Examples

Local roadways provide direct access to adjacent lands and serve neighbourhood travel, so are more conducive to a lower speed limit. Their widths vary from eight to nine meters depending on whether parking is allowed on one side or both sides. Currently, the default speed limit of these roadways is 50km/h except in locations with playground zones. However, the Complete Street Guidelines recommend a lower design speed than 50km/h for new or reconstructed roadways.

	<p>Typical daily traffic volume: up to 1,000</p> <p>Default speed : 50km/h</p>
<p>Typical local Road</p>	



Collector Roadways

Collector roadways provide neighborhood travel between local and arterial roadways and direct access to adjacent land. The default speed limit of collector roadways is 50km/h. Based on the City’s road classification, roadways with collector designation have the highest variability in terms of the form. Operating speeds vary greatly depending on whether the roadway is part of a core grid network or a suburban curvilinear road network. There are a variety of collector roadways, however some of the more common types within Edmonton include:




- 11.5 meters wide with one lane per direction
- 14.5 meters wide with one lane per direction
- 14.5 meters wide with two lanes per direction

- Extra-wide with more than one lane per direction without a median
- Extra-wide with more than one lane per direction with a median

Given the high variability of the road form, detailed review of each road segment is required to determine the appropriate speed limit for each type of collector roadway. Examples with average traffic volumes and speeds are included below.

 <p>Extra wide-Two lane per direction with a median</p>	<p>Typical Average daily traffic volume: 5,000-12,000</p> <p>Average Measured Speeds: 49-63km/h</p>
 <p>Extra wide-One lane per direction with a median</p>	<p>Typical Average daily traffic volume: 900-8,000</p> <p>Average Measured Speeds: 41-57km/h</p>

Attachment #1

	<p>Typical Average daily traffic volume: 4500-11,000</p> <p>Average Measured Speeds: 46-64km/h</p>
<p>14.5m wide with two lanes per each direction</p>	
	<p>Typical Average daily traffic volume: 1,500-11,000</p> <p>Average Measured Speeds: 43-58 km/h</p>
<p>14.5m wide with one lane per each direction</p>	
	<p>Typical Average daily traffic volume: 500-9,000</p> <p>Average Measured Speeds: 43-53km/h</p>
<p>11.5m wide with one lane per each direction</p>	

Arterial Roadways



Arterial roadways generally carry larger volumes of traffic between areas with relatively few access points to adjacent developments.

The Transportation System Bylaw designates arterial roads and freeways as "controlled streets" under the *Highways Development and Protection Act*.

Typically, no direct access to the arterial roadways are provided from residential developments. There are exceptions, however, especially in the downtown core and dense residential areas elsewhere in Edmonton. Also, there are arterial roadways that have operational characteristics similar to collector roadways and vice versa. An example of an arterial roadway that is functioning more like a collector roadway is shown below.

The addition or reclassification of roadways to arterial requires a bylaw change from City Council and approval from the provincial government.

	<p>Posted Speed Limit: 50km/h</p> <p>Average daily traffic volume: 6,900</p> <p>Average Measured Speed: 51km/h</p>
<p>Two lane arterial with parking on both sides</p>	

	<p>Posted Speed Limit: 50km/h Average daily traffic volume: 18,700 Average Measured Speed: 59km/h</p>
	<p>Posted Speed Limit: 60km/h Average daily traffic volume: 31,000 Average Measured Speed: 58 km/h</p>

4-lane Arterial

4-Lane Arterial with a median