

Travelled Roadways - Each roadway will consist of a minimum of three 3.65 m wide through lanes. Ramps shall be one 5.0 m lane, and where volumes demand, two 3.65 m lanes.

Median - A minimum 7.0 m wide median shall be used. However, a 10.0 m median width is desirable. The median may be either unpaved and depressed (if 20.0 m wide or more), or it may have concrete barriers.

Cross Slope - Except in superelevated sections, a uniform cross slope of 1.5 percent shall be applied across the inside shoulder and driving lanes. The outside shoulder will have a cross slope of 3.0 percent. The pavement will slope toward the outside of the section.

On structures, the cross slope shall be 1.5 percent uniformly across the inside shoulder, driving lanes, and outside shoulder.

Profile Grade Line - The profile grade line shall be the median edge of the travelled roadway.

305.03 ARTERIAL (MAIN ROAD) CROSS SECTION

The standard cross section of roadways is comprised of two unidirectional pavements, median, sidewalks, service reservations and green areas.

Pavement and Lane Widths - The pavement will consist of a minimum of three traffic lanes in each direction divided by a raised median. Wherever necessary, auxiliary lanes shall be provided for turning movements. Auxiliary lanes, whether allocated to through traffic or to turning movements, shall be 3.65 m wide.

Free Right Turn Islands and Lanes - Exclusive right-turn lanes and islands shall be used wherever possible. No more than one exclusive right-turn lane shall be provided in any direction.

Left Turn Lanes - Unless otherwise approved by the Municipality Road Section under special conditions, no more than one left-turn lane shall be provided from the median.

Parking, Loading/Unloading Lanes - Except for taxi stops and bus stops, no parking or loading/unloading spaces shall be provided on main roads without being separated from the traffic lanes by a wide curb.

Median - A median with 22 cm high curbs shall be provided. The median width should be at least 5.0 m. Where an existing street with a median of less than 5.0 m is being upgraded, the median should be increased to 5.0 m if possible. Where an existing street with a median width of greater than 5.0 m is being upgraded, the existing median width should be maintained for planting. Median width shall be reduced to permit exclusive left-turn lanes at intersections where required.

No provision shall be made for U-turns except at intersections.

Curbs - Curbs shall be provided along all edges of pavement in urban areas. Curb types and uses are shown in the current Standard Drawings.

Sidewalks - Sidewalk widths and locations will vary but the minimum width shall be 2.0 m and they shall be located to provide pedestrian movement continuity. In addition, whenever possible a 2.0 m wide sidewalk adjacent to the pavement and green areas should be provided primarily for aesthetic purposes.

Pedestrian crosswalk ramps shall be used at all intersections and all other locations where the main pedestrian sidewalk crosses curb lines.

Cross Slope - All pavement will have a broken cross-slope of 1.25 percent sloping away from the median across the two inside lanes and 2.0 percent for the outside lanes. A 1.5 percent cross-slope shall be provided toward the pavement on sidewalks. Cross-slope will vary at intersections in accordance with current Standard Drawings.

Profile Grade Line - The profile grade line shall be the median edge of pavement.