
Policy Title: Roundabout Policy
Policy Number: TP016
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Approved by: Council
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Business Unit: Transportation Planning

BACKGROUND

The modern roundabout is a form of circular intersection where traffic flows counter-clockwise around a raised central island, thereby preventing vehicles from passing through the intersection on a linear path. Roundabouts offer the opportunity to improve intersection safety while increasing intersection capacity and reducing delay. Roundabouts also offer advantages versus traffic signals with respect to ongoing operating costs.

The City of Calgary currently has over 40 roundabouts in use. With increasing interest in roundabout construction within both the development community and the traffic engineering community in Calgary, The City aims to provide formal guidance on roundabout design, evaluation, and implementation to ensure that roundabout applications are uniform across the city and meets the most current design standards.

PURPOSE

The purpose of this Roundabout Policy is to provide guidance on:

- suitable locations for roundabouts; and
- how proposed roundabouts should be evaluated;

POLICY

- The City of Calgary will use roundabouts as the preferred option of traffic control on arterials and collectors in Greenfield areas where a new intersection is planned that warrants or may warrant a future traffic signal or all-way stop.
- In existing developed areas, a roundabout should be examined where a traffic control up-grade is warranted, capital improvements are being considered, or safety or capacity issues have been identified. The use of roundabouts in these circumstances will be at the discretion of the General Manager, Transportation.

Intersection control evaluations will be conducted to ensure roundabout suitability. If a roundabout is found to be inappropriate, an alternate method of intersection control may be used as justified by the evaluation. The General Manager, Transportation shall be the approving authority for roundabouts.

PROCEDURE

The above policy will be used in several areas including:

- the development process;
- capital projects; and
- replacement activities

Outline plans approved prior to the adoption of the Roundabout Policy should be examined for roundabout usage in conjunction with the developer on an opportunity basis.

Information on implementing this policy is available from Transportation Planning, Transportation Department.

AMENDMENTS

New Policy