

To: All HQ Directors: Operations, Planning & Major Projects
All MoT Regional Directors
All MoT District Managers, Transportation
MoT Managers Highway Design
MoT Managers Highway Planning
Highway Engineering Planning & Design Consultants
Municipalities

Subject: Review of Roundabouts by the Chief Engineer's Office

Purpose:

This Technical Circular establishes a policy for the review of roundabouts on provincial roadways and those roundabouts not on provincial roadways but subject to funding from, or road maintenance by, the province.

Background:

The Ministry has gained and continues to gain experience with the principles of roundabout design. As roundabouts are still relatively new on provincial roads there is a benefit to be gained from including HQ engineering in projects and designs handled by MoT regions and districts whether they are from consultants, municipalities, land developers, or developed in-house. HQ's engineering role is to review and provide feedback on the geometric design, traffic signing, and pavement marking of roundabouts with the goal of achieving province wide harmonization for roundabouts. This process will also allow for 1) applying "lessons learned" to avoid past operational problems, and 2) providing designers with roundabout design principles yet to be included in the BC Supplement to TAC Geometric Design Guide.

Policy:

All roundabout designs must be reviewed by the Chief Engineer's Office for provincial consistency. This review does not replace the designer's/design team's quality management process nor does it relieve the Engineer of Record of their responsibility.

Procedure:

All roundabout design drawings are to be sent to the attention of the Ministry's contacts at Headquarters Engineering Branch:

Jerry Froese, Senior Traffic Engineer
Richard Voyer, Senior Geometric Standards Engineer

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The review carried out will deal with the traffic analysis and general layout of the roundabout, the geometric design of the roundabout, the traffic signing of the roundabout, and the pavement marking of the roundabout. Reviews will be done at the conceptual design stage for any proposed roundabout and will continue on through the submission stages until the final design submission.

Feedback will be provided to the designer/design team in a timely manner.

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