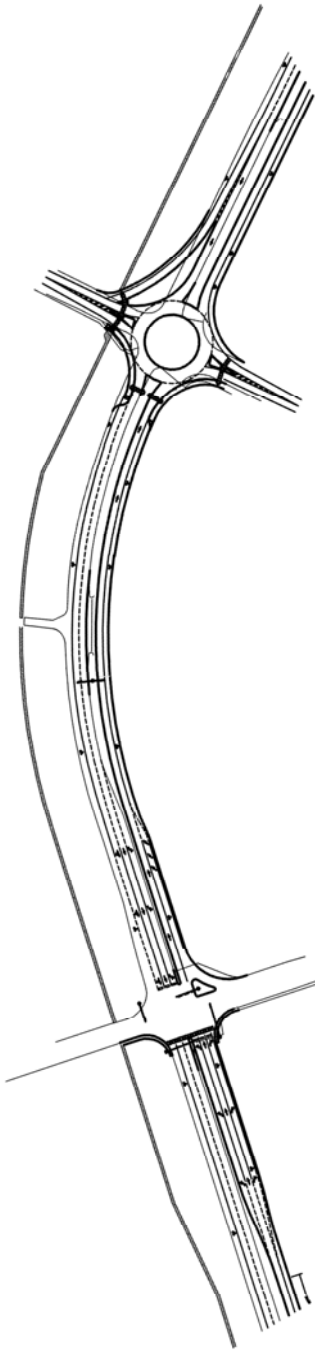


Hamilton Boulevard Improvements

(SUMANIK DRIVE TO FALCON DRIVE
SOUTH)

Information Package and Feedback Request



Hamilton Boulevard was originally designed to be a 4 Lane Divided Arterial Roadway. A development agreement between the City and Yukon, requires complete twinning of the roadway. To date the south bound lanes have been constructed to accommodate 2-way traffic, with bike lanes added on the shoulders, from Sumanik Drive to Falcon Drive South.

Operation of the roadway in the current configuration is less than ideal due to the paved surface width, and the reverse cross slope for much of the roadway.

Stakeholder consultations held to date, have revealed the following common concerns:

- Speeding
- dangerous cross-fall conditions, for north bound drivers
- existing road surface too narrow to accommodate drivers and bike lanes
- timing of traffic controls at Elijah Smith school crossing
- improvements to the school zone crossing need to be considered
- poorly marked pedestrian crossings at Thompson and Falcon
- an alternate / emergency access to the area is required
- an alternate access connecting to the Alaska Highway to the south would be beneficial to reduce travel times to downtown and airport
- Thompson / Heron intersection located at the bottom of a long grade is a problem in winter driving conditions

The purpose of this study is to review options to improve Hamilton Boulevard, and get public feedback prior to proceeding to construction of the most suitable option.

A detailed Capacity Analysis was completed to determine improvements required to provide adequate roadway capacity. The analysis determined the following requirements:

- The existing 2 lane roadway has adequate capacity to handle expected traffic growth for the complete development of the existing neighbourhoods, including completion of Copper Ridge neighbourhoods.
- intersection improvements are required at McIntyre South (Elijah Smith) in the form of opposing left hand turn lanes, and improved signal timings.
- Traffic control lights will be required at Thompson/Heron intersection with completion of Copper Ridge neighbourhoods, and at McIntyre North, if the Tank Farm area is developed, or if McIntyre Subdivision is fully developed.
- An alternate access connecting Hamilton Boulevard to the south Alaska Highway should be built, before any additional development beyond Copper Ridge. Without an alternate access, twinning of Hamilton Boulevard, including traffic lights at all intersections would be required to handle traffic volumes from additional developments.

Based on the above findings, and to address the current operational concerns, the following improvement options have been considered:

- **Option 1**

- Construct a single north bound lane with median separation from the south bound lanes, and improved channelization at existing intersections. The extra south bound lane becomes a continuous right turn lane for evening peak traffic flows. Traffic signals are required at McIntyre South (Elijah Smith) and Thompson/Heron intersections. Future Signal at McIntyre North for Tank Farm.
- This option does not address concerns with school zone crossing at Elijah Smith. The crossing width becomes wider, requiring longer crossing time.
- Alternate crossings including overpass and underpass have been considered, in conjunction with Option 1. These options may improve pedestrian safety, but do not address traffic movement problems.
 - An overpass may invite vandalism and safety concerns, and is very expensive.
 - An underpass may also be considered a safety concern, but is much less costly than an overpass. An underpass may not be possible due to underground utility constraints.

- **Option 2**

- Construct a single north bound lane with median separation from the south bound lanes, with a combination of roundabout intersections and typical intersections. Roundabout intersections would be constructed at McIntyre South (Elijah Smith) and at Thompson / Lazulite. A future roundabout may also be constructed at McIntyre North in conjunction with future tank farm development. A Traffic signal is required at Thompson / Herron due to steep grade considerations.

- This option provides significant traffic calming and speed control at the roundabout intersections, and also reduces the pedestrian crossing widths at the roundabout.
 - At Elijah Smith School, an overhead cross walk warning sign, in conjunction with the current crossing guard program, would replace the current stop light, to provide improved traffic flow, while increasing safety for pedestrians, due to reduced speeds and shorter crossings.
 - Roundabout operation may require some driver education.
- **Option 3**
 - Construct double north bound lanes with median separation from south bound lanes, and improved channelization at existing intersections. Traffic signals required at McIntyre North, McIntyre South, and Thompson / Heron.
 - This option is over designed with respect to capacity requirements for the short term, but provides adequate capacity to accommodate future development beyond Copper Ridge, without an alternate access being required.
 - This option does not address concerns with school zone crossing at Elijah Smith. The crossing width becomes wider, requiring longer crossing time.
 - Alternate crossings including overpass and underpass have been considered, in conjunction with Option 3. These options may improve pedestrian safety, but do not address traffic movement problems.
 - An overpass may invite vandalism and safety concerns, and is very expensive.
 - An underpass may also be considered a safety concern, but is much less costly than an overpass. An underpass may not be possible due to underground utility constraints.

Please feel free to discuss these options with the design team, and present any additional comments or concerns you may have with respect to any of the options.

Next Step:

Your comments and concerns will be taken into consideration in determining which option will be recommended for construction. The final recommendation will be provided on display at City Hall and Elijah Smith School in March.

Please use the attached feedback sheet to record your comments, and leave it with the design team.

Thank you for your participation and feedback.

Feedback Sheet

Please provide your comments with respect to the 3 options.
Please note your preferred option at the bottom of the sheet.
(you may also suggest variations to any option)

Option 1

Option 2

Option 3

Preferred Option Option 1 Option 2 Option 3
(use back of sheet for additional comment space)

