



# COUNTY OF WELLINGTON

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## COMMITTEE REPORT

**To:** Chair and Members of the Roads Committee  
**From:** Don Kudo, County Engineer  
**Date:** Tuesday, September 14, 2021  
**Subject:** **Road MAP: Intersection Assessment**

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### **Background:**

The Road Master Action Plan included an intersection assessment review of specific locations. The 22 locations reviewed were based on input from Roads staff, County and Local councillors, and OPP. Feedback provided by the public on the specific intersections through the Social Pinpoint exercise was also collected and documented.

The purpose of the review was to propose possible improvements to be implemented, including roundabouts, traffic signals, signage, and geometric changes. The reviews were conducted in accordance with the approved Road MAP: Data Driven Safety Strategy and other industry guidelines.

Attached to the staff report is our consultant's presentation that provides details on how the assessments were carried out, alternatives considered and the recommended solutions. The presentation includes a map and recommended solutions overview table for the 22 intersections that were assessed. Staff received a thorough detailed evaluation package analysis from our consultant team for each intersection location.

Some of the intersections are currently included in the Capital Budget and Forecast. The assessment work helps to confirm the proposed design approach and provides the background for additional intersections to be included in future budgets. The detailed evaluation package provides a template for the evaluation for other intersections not included this study. This will assist staff to evaluate intersections in the future and will provide a consistent data set to compare and prioritize intersection improvements.

A summary of the results and recommendations follows:

### Recommended Solutions

As shown in the attached presentation, the assessment recommended 7 roundabouts, 5 traffic signals, 3 road realignment, 3 all way stops, 2 turning lanes and 2 other miscellaneous actions as the recommended solutions for the various intersection locations. These are the proposed major changes as some locations combine various solutions. The assessment also recommended interim solutions consisting of all way stop controls for two locations (WR 8 and WR 10 intersection, WR 22 and WR 29 intersection) to be implemented since the recommended solutions require property to be acquired, intensive design to be undertaken and have high costs that require capital budgeting to be approved to proceed with implementation.

The total estimated costs for all the recommended solutions is \$19,200,000.00. A breakdown of the cost estimates for the recommended solutions follows:

- Roundabouts - \$11,500,000
- Traffic Signals with/without auxiliary lanes - \$2,400,000
- Turning Lanes - \$610,000
- Road Realignment - \$4,600,000
- All-Way Stops - \$25,000
- Interim Measures - \$16,000
- Miscellaneous - \$40,000

Since the majority of recommended solutions require significant capital funding along with time to design and construct the works, staff will use the intersection assessment to inform future budgets. Some of the roundabout projects are currently included in the Roads Capital Budget and Forecast.

For the following two intersection locations, it is possible to implement improvements in the short term:

- WR 124 and WR 24 intersection – Town of Erin - conduct movement study, adjust traffic signal timing
- WR 18 (Geddes Street) and David Street intersection – Township of Centre Wellington - current temporary all way stop requires a bylaw for the permanent all way stop to be approved at an upcoming Roads Committee meeting

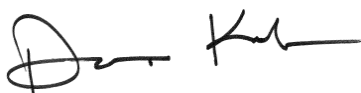
#### Next Steps

The Intersection Assessment recommended solutions will help inform cost estimates for each location, prioritize implementation and assist with the development of the Roads Capital budget and forecast. Staff will continue to work on the intersection location that requires a bylaw change to implement the proposed change.

#### **Recommendation:**

That the report entitled Road MAP: Intersection Assessment be received for information.

Respectfully submitted,



Don Kudo, P. Eng.  
County Engineer

Attachments: Presentation – Road MAP Intersection Assessment