



COUNTY OF WELLINGTON

COMMITTEE REPORT

To: Chair and Members of the Roads Committee
From: Don Kudo, County Engineer
Date: Tuesday, September 13, 2022
Subject: Temporary Traffic Signals for Intersections

Background:

At the June, 2022 Roads Committee meeting, the report entitled "Road MAP: Implementation and Priority Plan – Intersections" was received for information. Discussion at the Committee included the use of temporary traffic signals. It was noted in the report that temporary signals were installed at three locations (WR 18/WR 26 Centre Wellington, WR 8/WR 9 Mapleton, WR 7/WR 12 Mapleton). These locations were selected based on recommendations in a November, 2020 committee report. The following factors were considered in determining these locations:

- Future roundabout location
- Traffic signal warrant
- Accident collision history
- Project prioritized in the 10 year capital budget
- Temporary traffic signals used for traffic management during future roundabout construction
- Funding available

The Ontario Traffic Manual (OTM) states the following with respect to the use of Temporary Traffic Signals:

Temporary traffic signals typically consist of traffic signal heads positioned on span wires or temporary poles. Temporary signals are intended to be used as an alternative to permanent traffic signals for limited periods before or during the re-construction of roadways.

The three intersections where temporary traffic signals were installed all had higher accident frequencies than other intersections assessed as part of the Road MAP study work. The frequency of accidents was in the medium range based on scale in the Road MAP Data Driven Safety Strategy.

At this time, there are no other intersections that meet the same factors noted above. Staff will continue to monitor intersections and implement temporary traffic signals based on these factors.

Recommendation:

That the report entitled Temporary Traffic Signals for Intersections be received for information.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Don Kudo".

Don Kudo, P. Eng.
County Engineer