



# COUNTY OF WELLINGTON

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## COMMITTEE REPORT

**To:** Chair and Members of the Roads Committee  
**From:** Don Kudo, County Engineer  
**Date:** Tuesday, June 08, 2021  
**Subject:** **Road MAP: A Road Master Action Plan – Update #4 and Future Transportation Network Presentation**

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### **Background:**

The Road MAP is a multi-faceted master transportation plan that will review both current and future transportation network needs. Dillon Consulting was hired to undertake a Road Master Action Plan (Road MAP) in August, 2020. Study update reports have been provided to the Roads Committee in September, 2020, January, 2021 and April, 2021. The intent of this report is to advise the committee on the study progress to date, and for the committee to receive the attached presentation from Dillon Consulting.

The attached presentation is focused on the future transportation network problem assessment and identification of alternative solutions. This information will be provided at a virtual Community Meeting that the County will be hosting on Thursday, June 17, 2021 from 7:00 pm to 8:30 pm. The attached notice will be published, circulated and posted to advise the public, stakeholders and agencies about this consultation opportunity. A draft presentation was provided to the project Technical Advisory Group that consists of staff from County Roads, local municipalities, County OPP, Ministry of Transportation and City of Guelph.

The future transportation network review is being undertaken in accordance with the master planning requirements detailed in the Municipal Class Environmental Assessment (MCEA) process. By providing a high level strategic overview of transportation infrastructure needs, the Road MAP study will provide background information for future detailed project review, analysis and consultation. At this master planning stage, the Road MAP will guide the County in transportation planning to meet future growth needs.

The County's consultant has developed a 2041 Travel Demand Model. Based on the predicted future population and employment growth in the County. The results from the transportation model indicates five locations where the road capacity is predicted to be exceeded by 2041 and two locations where the road capacity is predicated to be approaching capacity by 2041.

### Road Capacity to be Exceeded by 2041:

1. Wellington Road 7 between Elora/Salem and the Highway 6 junction
2. Wellington Road 18 between Wellington Road 21 (Elora) and Wellington Road 43 (Fergus)
3. Wellington Road 32 between Wellington Road 124 and Highway 7
4. Wellington Road 46 between Maltby Road and Wellington Road 34
5. Wellington Road 124 between the Region of Waterloo boundary limits and the City of Guelph boundary limits

Road Capacity to be Approached by 2041:

1. Wellington Road 21 between Wellington Road 7 (Elora) and the Region of Waterloo boundary limits
2. Wellington Road 86 between Wellington Road 10 and Wellington Road 85

These results confirm previous County transportation studies and reviews that have been included in approved County documents including the Development Charges Background Study (2017) and the Guelph Wellington Transportation Study (2005). Municipal Class Environmental Assessments (EA) have also been approved for Wellington Road 46 (2000) and Wellington Road 124 (2019). EA studies will be required for other locations that have been recommended for review based on the master plan results.

The presentation provides background information on the Identification of Opportunities to address road capacity:

1. Travel Demand Management (TDM)
2. Transportation System Management (TSM)
3. Increase the Supply of Transportation Infrastructure

For each of the seven road sections, the consultant reviewed possible solutions to address the predicted road capacity issue. The presentation provides details on the evaluation methodology and factors. The following are the evaluation factor groups to be used:

1. Transportation
2. Natural Environment
3. Cultural Environment
4. Socio-Economic Environment
5. Cost

For two locations, alternative solutions include the review of by-pass options. By-Pass Criteria, By-Pass Candidate Locations and Potential Issues are noted in the presentation as possible alternative solutions to address future road capacity issues at the following locations:

1. Wellington Road 7 between Elora/Salem and the Highway 6 junction
2. Wellington Road 18 between Wellington Road 21 (Elora) and Wellington Road 43 (Fergus)

The context, problem statement, alternative solutions, and preliminary recommendations for a Fergus By-Pass and an Elora By-Pass are detailed in the presentation. These by-pass alternatives are future options to be explored as part of future EA work that will require further detailed study of options to address area transportation needs.

For all seven locations, the consultant has undertaken an evaluation and has determined preliminary alternative solutions. The evaluation tables in the presentation provide background on the how the evaluation criteria was used to determine preliminary alternative solutions. Based on these preliminary results, the consultant has developed a series of recommendations as proposed in the presentation.

The attached presentation will be presented to the public as part of the master planning process. Engaging with the community and seeking feedback on the transportation planning completed to date is the intent of the virtual community meeting on June 17, 2021. Following that meeting, the project team will refine project details, determine estimated costs, identify priorities and develop an implementation plan. With respect to the MCEA, there is a need to identify the appropriate Project

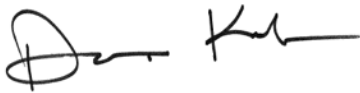
Schedule (A, B, or C) and identify future studies required (i.e. Environmental Assessment, Detailed Design). Upon completing the above noted tasks, the project team will finalize the future transportation network work and provide recommendations for inclusion in the final the Road Master Action Plan report.

**Recommendation:**

That the Road MAP: A Road Master Action Plan - Update #4 and Future Transportation Network Presentation report be received for information;

That the Road Master Action Plan presentation be presented at the June 17, 2021 virtual community meeting for public input and the projects outlined in the report and presentation be finalized for inclusion in the final Road Master Action Plan report.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Don Kudo". The signature is fluid and cursive, with a long horizontal stroke at the end.

Don Kudo, P. Eng.  
County Engineer

- Attachment - Presentation - Wellington RMAP Roads Committee Meeting #2
- Road MAP Virtual Community Meeting notice