



The Regional Municipality of Durham

Works Committee Agenda

Council Chambers
Regional Headquarters Building
605 Rossland Road East, Whitby

Wednesday, October 6, 2021

9:30 AM

Please note: In an effort to help mitigate the spread of COVID-19, and to generally comply with the directions from the Government of Ontario, it is requested in the strongest terms that Members participate in the meeting electronically. Regional Headquarters is closed to the public, all members of the public may [view the Committee meeting](#) via live streaming, instead of attending the meeting in person. If you wish to register as a delegate regarding an agenda item, you may register in advance of the meeting by noon on the day prior to the meeting by emailing delegations@durham.ca and will be provided with the details to delegate electronically.

1. Roll Call

2. Declarations of Interest

3. Adoption of Minutes

A) Works Committee meeting – September 8, 2021

Pages 4 - 11

4. Statutory Public Meetings

There are no statutory public meetings

5. Delegations

There are no delegations

6. Presentations

There are no presentations

7. Waste

7.1 Correspondence

7.2 Reports

There are no Waste Reports to consider.

8. Works

8.1 Correspondence

8.2 Reports

- | | |
|---|---------|
| A) Amendment to the Uniform Regional Traffic Policy to Permit 40km/h Posted Speed Limits on Regional Roads (2021-W-33) | 12 - 34 |
| B) Amendments to Regional Roads Consolidation By-Law Number 22-2018 (2021-W-34) | 35 - 41 |
| C) Participation in the National Sciences and Engineering Research Council, Industrial Research Chair in Source Water Quality Monitoring and Advanced/Emerging Technologies for Drinking Water at the University of Toronto (2021-W-35) | 42 - 45 |
| D) Proposed Study of the Current Policy/Practice for Streetlighting on Regional Roads (2021-W-36) | 46 - 86 |

9. Advisory Committee Resolutions

There are no advisory committee resolutions to be considered

10. Confidential Matters

There are no confidential matters to be considered

11. Other Business

12. Date of Next Meeting

Wednesday, November 3, 2021 at 9:30 AM

13. Adjournment

Notice regarding collection, use and disclosure of personal information:

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If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2097.

The Regional Municipality of Durham

MINUTES

WORKS COMMITTEE

Wednesday, September 8, 2021

A regular meeting of the Works Committee was held on Wednesday, September 8, 2021 in Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby, Ontario at 9:30 AM. Electronic participation was offered for this meeting.

1. Roll Call

Present: Councillor Mitchell, Chair
Councillor Marimpietri, Vice-Chair
Councillor Barton
Councillor Crawford
Councillor McLean
Councillor John Neal
Councillor Smith
Regional Chair Henry

Also

Present: Councillor Dies
Councillor Grant
Councillor Highet
Councillor Pickles attended the meeting at 10:00 AM
Councillor Wotten attended the meeting at 9:44 AM

Absent: None

Staff

Present: E. Baxter-Trahair, Chief Administrative Officer
G. Anello, Director of Waste Management Services
B. Bridgeman, Commissioner of Planning & Economic Development
J. Demanuele, Director of Business Services, Works Department
C. Dunkley, Manager of Financial Services and Corporate Real Estate
A. Hector-Alexander, Director of Diversity, Equity, and Inclusion
J. Hunt, Regional Solicitor/Director of Legal Services, Corporate Services –
Legal Services
B. Holmes, General Manager of Durham Region Transit
R. Jagannathan, Director of Transportation and Field Services
J. Presta, Director of Environmental Services
R. Inacio, Systems Support Specialist, Corporate Services – IT
N. Prasad, Assistant Secretary to Council, Corporate Services – Legislative
Services
S. Siopis, Commissioner of Works

N. Taylor, Commissioner of Finance
S. Glover, Committee Clerk, Corporate Services – Legislative Services

2. Declarations of Interest

There were no declarations of interest.

3. Adoption of Minutes

Moved by Councillor Marimpietri, Seconded by Councillor Barton,
(81) That the minutes of the regular Works Committee meeting held on
Wednesday, June 2, 2021, be adopted.

CARRIED

4. Statutory Public Meetings

There were no statutory public meetings.

5. Delegations

There were no delegations to be heard.

6. Presentations

6.1 Gioseph Anello, Director of Waste Management Services, re: Landfill Mining –
Blackstock Landfill Video

Gioseph Anello, Director of Waste Management Services introduced a video regarding the landfill mining at the Blackstock Landfill. G. Anello advised that the video is an education piece geared toward high school students with the intention of making it available to schools in late September and then eventually a revised video being made available to the public.

G. Anello responded to questions from the Committee regarding the various landfill sites located in Durham Region and when remedial work might begin on another landfill site; whether the Ministry of the Environment, Conservation and Parks provides funding for the reclamations of landfills; whether material removed from the Blackstock Landfill was taken to the Durham York Energy Centre (DYEC); and whether the Region would retain the Blackstock Landfill Site for long-term use.

In response to a question from Councillor McLean regarding whether any remedial efforts have taken place at the Brock Road Landfill or whether there were still plans to convert the landfill site into a passive park-like setting, S. Siopis advised that she would follow-up with City of Toronto staff and would respond to Councillor McLean directly.

7. Waste

7.1 Correspondence

There were no items of communication considered.

7.2 Reports

There were no Waste Reports considered.

8. Works

8.1 Correspondence

- A) Correspondence received from the Town of Ajax dated June 24, 2021, re: Acceleration of Automated Speed Enforcement Program in Ajax

Moved by Councillor McLean, Seconded by Councillor Smith,
(82) That the correspondence received from the Town of Ajax dated June 24, 2021 re: acceleration of the Automated Speed Enforcement Program in Ajax be referred to staff for a response.

CARRIED

- B) Correspondence received from the Town of Ajax, dated June 24, 2021, re: Provincial Road Safety

Moved by Councillor Crawford, Seconded by Councillor McLean,
(83) That we recommend to Council:

That the correspondence received from the Town of Ajax dated June 24, 2021 re: Provincial Road Safety be endorsed.

CARRIED

8.2 Reports

- A) Expropriation of Lands Required for the Proposed Regional Road 3 Rehabilitation Project from 75 metres East of Townline Road to 150 metres East of Enfield Road (Regional Road 34) in the Municipality of Clarington (2021-W-28)

Report #2021-W-28 from S. Siopis, Commissioner of Works, was received.

Moved by Councillor Marimpietri, Seconded by Councillor Crawford,
(84) That we recommend to Council:

- A) That authority be granted to Regional Municipality of Durham staff to initiate expropriation proceedings where necessary for the property requirements related to the proposed Regional Road 3 Rehabilitation project (Project) along Regional Road 3 as depicted in Attachment #1, Attachment #2 and

Attachment #3 of Report #2021-W-28 of the Commissioner of Works, and as such other property requirements as may be determined and identified by Regional Municipality of Durham staff required for the Project;

- B) That authority be granted to the Regional Clerk and Regional Chair to execute any notices and forms as may be statutorily mandated by the Expropriations Act R.S.O. 1990, c. E.26 to give effect to Recommendation C) in Report #2021-W-28, including the Notices of Application of Approval to Expropriate;
- C) That authority be granted to Regional Municipality of Durham staff to serve and publish Notices of Application for Approval to Expropriate the property requirement as described in Recommendation A) in Report #2021-W-28, and to forward to the Chief Inquiry Officer any requests for hearing that is received, to attend the hearings to present the Regional Municipality of Durham's position, and to report the Inquiry Officer's recommendations to Regional Council for its consideration; and
- D) That all agreements and reports required for amicable property acquisitions and all agreements and reports required for settlements pursuant to the Expropriations Act RSO 1990, c. E.26 related to the Regional Road 3 Rehabilitation Project approved in accordance with the Delegation of Authority By-Law 29-2020 or by Regional Council, remain confidential in accordance to Section 239 (2)(c) of the Municipal Act as it relates to a proposed or pending acquisition or disposition of land for Regional Corporate purposes and only be released publicly by the Commissioner of Works once all compensation claims have been resolved on a full and final basis for the Regional Road 3 Rehabilitation Project.

CARRIED

B) Standardization of Septage Receiving and Bulk Water Filling Station Hardware and Software to be used for Regional Facilities (2021-W-30)

Report #2021-W-30 from S. Siopis, Commissioner of Works, was received.

Moved by Councillor Marimpietri, Seconded by Councillor Crawford,
(85) That we recommend to Council:

- A) That the Finance Department following successful negotiations be authorized to award contracts to Flowpoint Systems for the provision of septage receiving station hardware to be used at Regional facilities and related maintenance and support agreements for a five-year term;
- B) That subject to successful completion of the negotiations, the pre-packaged bulk water filling station units supplied by Flowpoint Systems, and the septage receiving and bulk water filling station hardware supplied by

Flowpoint Systems be adopted as the Regional standard for a period not exceeding five years for Regional facilities;

- C) That financing for the purchase of new septage receiving and bulk water filling station hardware and the provision of servicing and maintenance requirements be provided from future Sanitary Sewerage Capital, Water Supply Capital and Operating budgets; and
- D) That the Commissioner of Finance be authorized to execute the required agreements.

CARRIED

- C) Amendment to Regional Water Pollution Control System and Storm Sewer System By-Law #90-2003 and Residential Water and Sanitary Service Connection Protection Plans (2021-W-31)
-

Report #2021-W-31 from S. Siopis, Commissioner of Works, was received.

Staff responded to questions from the Committee regarding what the anticipated impact to homeowners may be with respect to the proposed amendment of extending a property owner's limit of responsibility for residential sanitary service connections from 1 metre outside the foundation of the home currently to the new limit at the property boundary.

Moved by Councillor Marimpietri, Seconded by Councillor Crawford,
(86) That we recommend to Council:

- A) That the Regional Water Pollution Control System and Storm Sewer System By-Law #90-2003 be amended by extending a property owner's limit of responsibility for residential sanitary service connections from 1 metre (m) outside the foundation of the home currently to the new limit at the property boundary, to be consistent with the responsibility for water service connection maintenance effective July 1, 2022;
- B) That the Regional Municipality of Durham enter into an agreement that endorses residential water and sanitary service line warranty protection plans with Service Line Warranties of Canada Inc. for an initial two-year period, with a maximum of two, five-year term renewal options for extension, with such extensions subject to Regional Council approval based upon a review of the overall success of the program;
- C) That Regional staff report back to Regional Council prior to the end of the initial two-year period of the agreement to advise if the program is meeting the customer service needs and performance metrics as outlined in the agreement; and

- D) That the Commissioner of Works be authorized to execute the agreement with Service Line Warranties of Canada Inc. for residential water and sanitary service warranty protection plans, together with such further ancillary documents that may be required, all in a form satisfactory to the Commissioner of Works, Commissioner of Finance, and the Regional Solicitor.

CARRIED

- D) Sole source approval to Award Maintenance Service and/or Parts Supply Agreements Negotiated for Equipment Installed at the Duffin Creek Water Pollution Control Plant, in the City of Pickering (2021-W-32)

Report #2021-W-32 from S. Siopis, Commissioner of Works, was received.

Moved by Councillor Marimpietri, Seconded by Councillor Crawford,
(87) That we recommend to Council:

- A) That the sole source maintenance service and/or parts supply agreements for existing equipment installed as components of the Stage 3 expansion and the Stages 1 and 2 upgrades at the Duffin Creek Water Pollution Control Plant (WPCP), be negotiated and awarded as noted in the following table, with terms not to exceed five years:

Authorized Supplier	Manufacturer	Estimated Annual Costs (excluding HST)
Alfa Laval	Alfa Laval	\$125,000
Xylem	Xylem	\$375,000
C & M Environmental	Brentwood Industries	\$300,000
Envirocan Ltd	JWC	\$125,000
Directrik	Vogelsang, Hydrostal, Weir, Wemco, Trillium Pumps	\$275,000
Toshont	Toshiba	\$100,000
Thermogenics	Thermogenics	\$150,000
Waterloo Manufacturing	Cleaver Brooks	\$150,000
	TOTAL	\$1,600,000

- B) That financing for the sole source maintenance service and/or parts supply agreements be provided from the approved annual Sanitary Sewerage Operations Budget for the Duffin Creek Water Pollution Control Plant, at an estimated cost not to exceed \$1,600,000, to be cost shared with the Regional Municipality of York, with Durham's share to be determined annually based on the Region's Operating agreement; and

- C) That the Commissioner of Finance be authorized to execute the necessary maintenance service and/or parts supply agreements.

CARRIED

9. **Advisory Committee Resolutions**

There were no advisory committee resolutions to be considered.

10. **Confidential Matters**

10.1 Reports

- A) Confidential Report of the Commissioner of Works – Proposed or Pending Acquisition or Disposition of Land for Regional Corporation Purposes in the Township of Brock (2021-W-29)
-

Confidential Report #2021-W-29 from S. Siopis, Commissioner of Works, was received.

Moved by Councillor Smith, Seconded by Councillor Crawford,
(88) That we recommend to Council:

That the recommendations contained in Confidential Report #2021-W-29 of the Commissioner of Works be adopted.

CARRIED

11. **Other Business**

11.1 Vision Zero Update

Councillor Crawford provided a brief update regarding Vision Zero. She advised that the number of fatal collisions has remained relatively unchanged despite a significant decrease in the total traffic volume, but that injury collisions have seen a 39% reduction since 2016. She further advised that 2,182 tickets have been issued through the Red-Light Camera (RLC) Program and that 47,972 tickets have been issued through the Automated Speed Enforcement (ASE) program.

Councillor Crawford advised that there are several roundabouts in the Capital Road Program scheduled for construction in the next five years and that roundabouts are one of the countermeasures being considered to address collisions at intersections in rural/semi-urban areas.

Councillor Crawford responded to questions from the Committee regarding how extreme speeds within and outside of Community Safety Zones are being addressed by the Vision Zero Task Force; whether the notice provided prior to installing an ASE/RLC camera is required; and how abuse/vandalism to the cameras can be reduced or eliminated.

In response to a question from the Committee regarding the possibility of installing security cameras at the ASE and RLC camera locations, S. Siopis advised that she would take this back to staff to consider the options.

With respect to a future report on the ASE program, Committee suggested that the report include successes of the program; updates on the revenues generated and the costs of the program, and whether there is an opportunity for the Region to recover any costs; any benefits if the provincial legislation were to become more flexible; and, whether there are potential changes to the provincial legislation that would make the program more effective at managing traffic speeds, as well as be more cost effective.

11.2 Speeding on Simcoe Street between Coates Road and Raglan Road in the City of Oshawa

In response to a question from Councillor John Neal regarding speeding on Simcoe Street between Coates Road and Raglan Road in the City of Oshawa and whether the safety concerns on this road can be addressed, S. Siopis advised that she will follow-up with the road safety and traffic groups and respond to Councillor John Neal directly.

12. Date of Next Meeting

The next regularly scheduled Works Committee meeting will be held on Wednesday, October 6, 2021 at 9:30 AM in Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby.

13. Adjournment

Moved by Councillor McLean, Seconded by Regional Chair Henry, (89) That the meeting be adjourned.

CARRIED

The meeting adjourned at 10:21 AM

Respectfully submitted,

D. Mitchell, Chair

S. Glover, Committee Clerk

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 3540.



The Regional Municipality of Durham Report

To: Works Committee
From: Commissioner of Works
Report: 2021-W-33
Date: October 6, 2021

Subject:

Amendment to the Uniform Regional Traffic Policy to Permit 40km/h Posted Speed Limits on Regional Roads

Recommendation:

That the Works Committee recommends to Regional Council that the Uniform Regional Traffic Policy (URTP) be updated to permit posted speed limits of 40km/h on Regional Roads where appropriate.

Report:

1. Purpose

1.1 The purpose of this report is to amend the Uniform Regional Traffic Policy (URTP) to permit posted speed limits of 40 km/h on Regional Roads where appropriate.

2. Background

2.1 In 1974, the Regional Municipality of Durham (Region) adopted the “Uniform Regional Traffic Policy”. The purpose of this policy is to promote uniformity throughout the Region in the application of traffic regulations and control devices. The policy has been amended periodically since that time.

2.2 The URTP was last updated in 2008 to include amendments related to the design and installation of modern roundabouts at Regional intersections.

2.3 At their meeting held on April 24, 2019, Regional Council endorsed a Vision Zero approach to Road Safety for the Region to reduce injuries and fatalities on

Regional and Local Roads over a five-year period by a minimum of 10 percent and ultimately eliminate all fatalities and injuries caused by crashes on our road system. Aggressive driving (which includes speeding) was identified as one of eight emphasis areas in Durham's Vision Zero Action Plan.

- 2.4 At their meeting held on November 18, 2019, Township of Uxbridge Council requested that Regional staff implement 40 km/h posted speed limits on several Regional Roads in their downtown area. In recent times, other local municipalities have also requested consideration for 40 km/h postings through their downtown locations. The URTP however does not currently permit staff to implement speed limits of less than 50 km/h on Regional Roads with the exception of temporary speed limits in construction zones.

3. Considerations for Reduced Traffic Speeds

- 3.1 Reduced traffic speeds have a direct impact on both the frequency and severity of collisions.
- 3.2 Under certain conditions reducing the posted speed limit can result in a reduction in operating speeds. Sections of Regional Roads with high pedestrian and cycling activity, school areas, on-street parking and other side friction may be good candidates for 40 km/h posted speed limits.
- 3.3 Regional Road candidates for speed limit postings of less than 50 km/h may also be good candidates for review and consideration through the Regional/Local Area Municipal Road Rationalization exercise.
- 3.4 All road sections designated with posted speed limits of 40 km/h on Regional Roads should automatically be co-designated as Community Safety Zones in order to permit the use of Automated Speed Enforcement in these areas.
- 3.5 Durham Regional Police Services have expressed concern about their ability to enforce lower speed limits in areas where average operating speeds continue to be much higher than posted and have hence requested to be consulted on any changes to the URTP in this regard.
- 3.6 Requests to reduce posted speed limits on Regional Roads to less than 50 km/h should only be considered in cases where all intersecting local municipal roads are also posted at 40 km/h or less.

3.7 Area wide neighbourhood speed limit reductions are now possible as a result of recent amendments to the Highway Traffic Act and provincial guidance documents. Area wide speed limits will require coordination between the Region and the relevant Local Area Municipality to ensure required bylaw amendments and sign installations are coordinated.

4. Areas Under Consideration for Reduced Posted Speed Limits

4.1 Specific areas under consideration for 40 km/h posted speed limits are as follows:

a. Downtown Uxbridge

- Toronto Street (Regional Highway 47) from 150m South of Campbell Drive to Brock Street West (Regional Highway 47)
- Brock Street West (Regional Road 8) from 150m West of Victoria Street to 150m East of Marietta Street
- Reach Street (Regional Road 8) from 150m East of Testa Road to Main Street South (Regional Road 1)
- Main Street North (Regional Road 1) from Brock Street East (Regional Highway 47) to 150m North of Toronto Street
- Main Street South (Regional Road 1) from Reach Street (Regional Road 8) to Brock Street East (Regional Highway 47)

b. Community of Beaverton

- Simcoe Street (Regional Road 15) from 150m East of John Street to Mara Road (Regional Road 23)
- Osborne Street (Regional Road 23) from 150m South of Wood Street to 150m North of Main Street E/Victoria Street intersection

c. Main Street Orono

- Main Street (Regional Road 17) from Station Street to 50m South of Mill Street

d. Pickering Village

- Kingston Road (Regional Highway 2) from 150m West of Mill Street to 150m East of Elizabeth Street

e. South Whitby

- Brock Street South (Regional Road 46) from Victoria Street (Regional Road 22) to Water Street

f. Hamlet of Claremont

- Central Street (Regional Road 5) from Brock Road (Regional Road 1) to 400m east of Sideline 20

g. Downtown Oshawa

- Centre Street (Regional Road 2A) from William Street to Bagot Street
- Simcoe Street (Regional Road 2) from William Street to Bagot Street

4.2 These seven locations were identified on the basis of specific requests from local area municipalities, requests from area residents and a technical assessment of each road section. The limits of these proposed locations are subject to change based on detailed field review and sign placement constraints. Additional requests for speed limit reductions to 40 km/h will be assessed on a site-by-site basis using the latest Transportation Association of Canada and U.S. National Highway Research Program guidance.

5. Relationship to Strategic Plan

5.1 This report aligns with or addresses the following strategic goals and objectives in the Durham Region Strategic Plan:

a. Goal 2: Community Vitality

- 2.2 Enhance community safety and well-being

b. Goal 5: Service Excellence

- 5.1 Optimize resource and partnerships to deliver exceptional quality services and value
- 5.2 Collaborate for a seamless service experience
- 5.3 Demonstrate commitment to continuous quality improvement and communicating results

6. Previous Reports

- 6.1 On October 8, 2003 a Report (2003-W-150) on Feasibility of Implementing 40 km/h School Speed Zones on Regional Roads in the City of Oshawa went to Works Committee not recommending 40 km/h speed zones on Regional Roads as it was deemed contrary to the objective of arterial roads being designated to carry large volumes of traffic safely and efficiently at reasonable operating speeds.

7. Conclusion

- 7.1 The proposed amendment to the Uniform Regional Traffic Policy will permit Regional staff to implement posted speed limits of 40 km/h where appropriate, with supporting changes to the Region's Traffic by-law.
- 7.2 This report has been reviewed by the Legislative Services and Legal Services Divisions of the Corporate Services Department.
- 7.3 For additional information, please contact Steven Kemp, Manager, Traffic Engineering and Operations at 905-668-7711 ext. 4701.

8. Attachments

Attachment #1: Proposed Posted Speed Limits (Downtown Uxbridge)

Attachment #2: Proposed Posted Speed Limits (Community of Beaverton)

Attachment #3: Proposed Posted Speed Limits (Main Street Orono)

Attachment #4: Proposed Posted Speed Limits (Pickering Village)

Attachment #5: Proposed Posted Speed Limits (South Whitby)

Attachment #6: Proposed Posted Speed Limits (Hamlet of Claremont)

Attachment #7: Proposed Speed Limits (Downtown Oshawa)

Attachment #8: Revised Uniform Regional Traffic Policy

Respectfully submitted,

Original signed by:

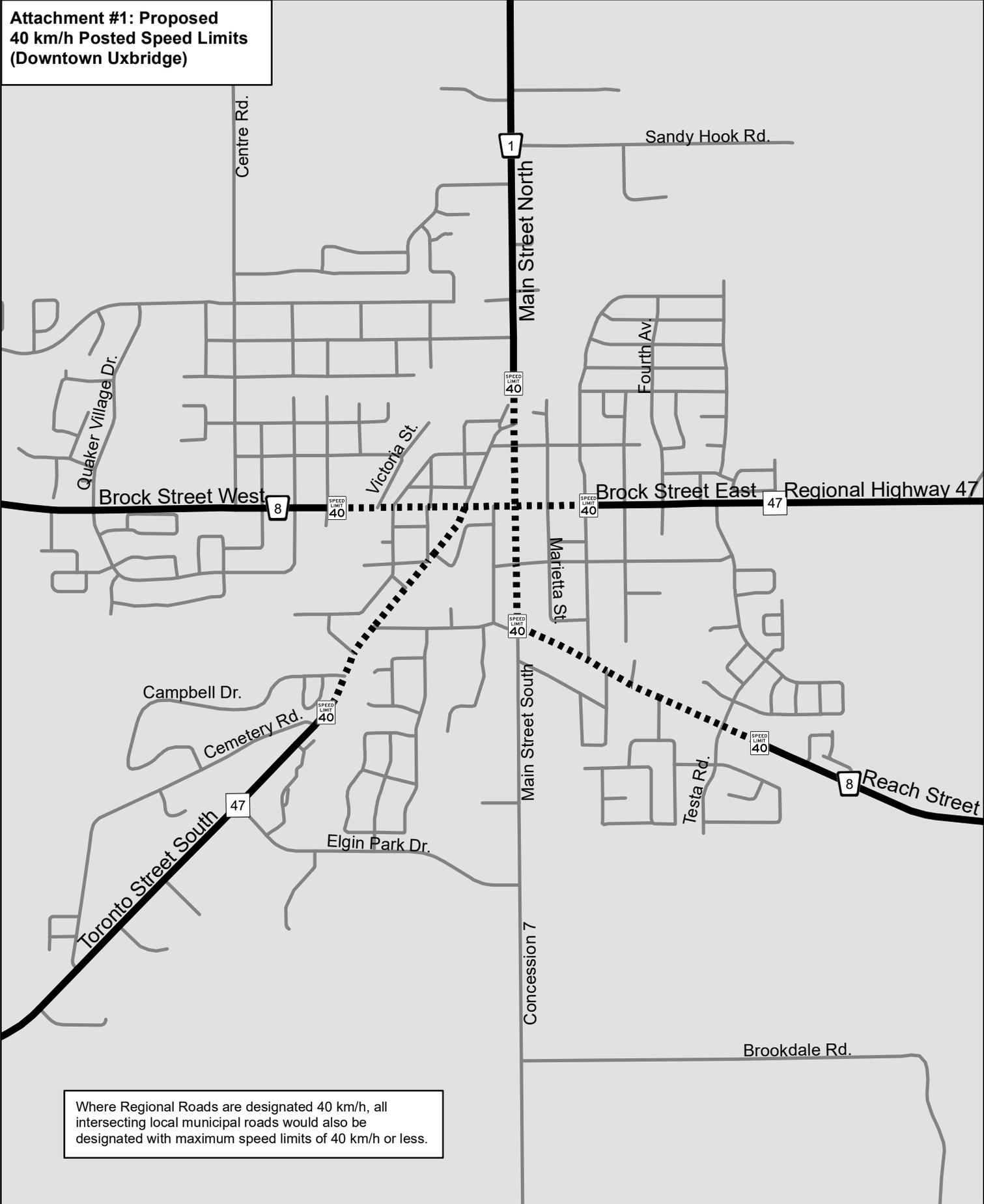
Susan Siopis, P.Eng.
Commissioner of Works

Recommended for Presentation to Committee

Original signed by:

Elaine Baxter-Trahair
Chief Administrative Officer

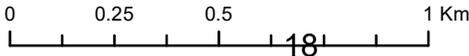
**Attachment #1: Proposed
40 km/h Posted Speed Limits
(Downtown Uxbridge)**



Where Regional Roads are designated 40 km/h, all intersecting local municipal roads would also be designated with maximum speed limits of 40 km/h or less.



The Regional Municipality of Durham
Works Department
Traffic Engineering & Operations
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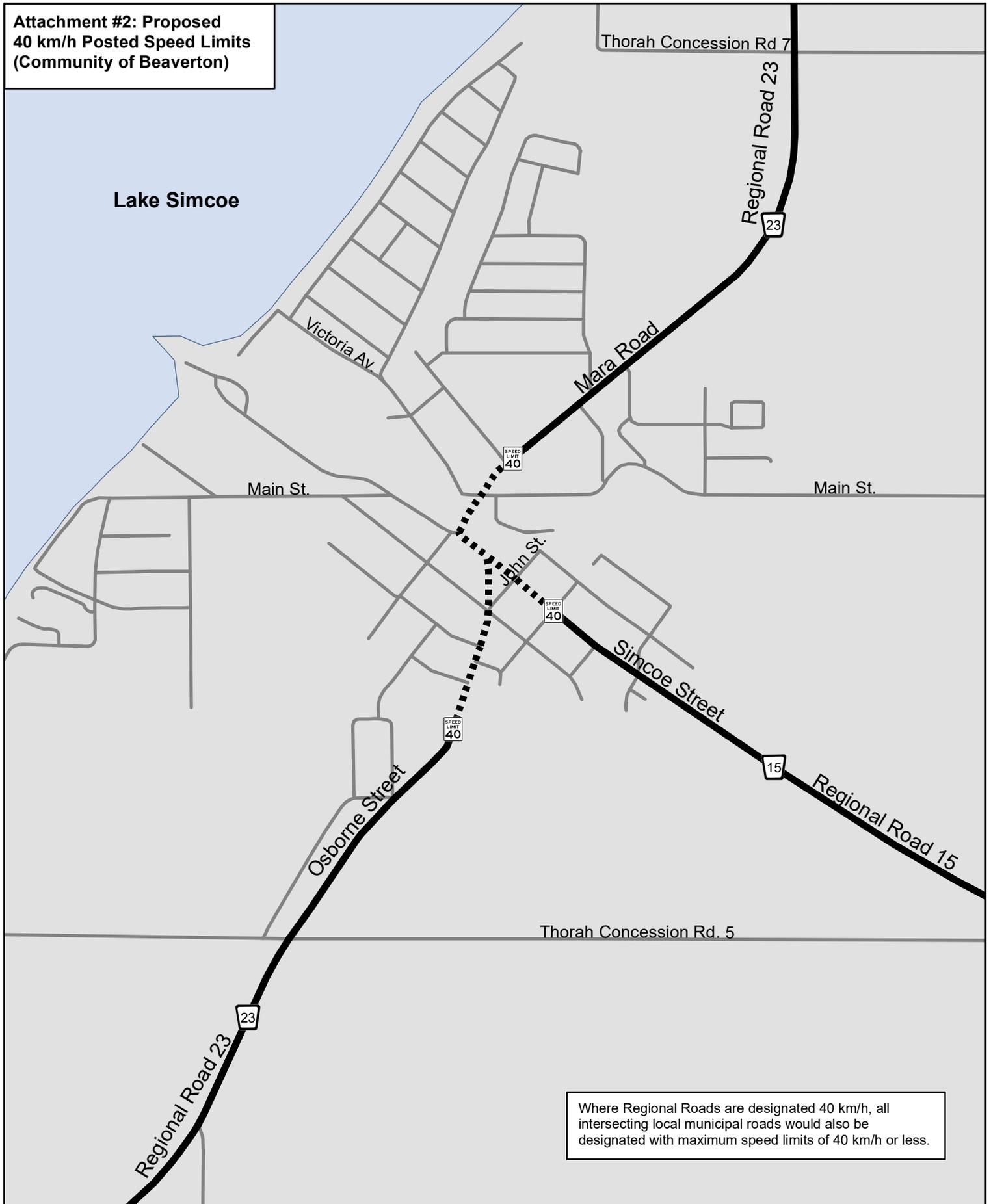


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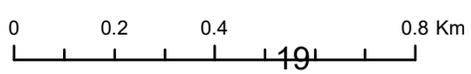
- Provincial Roads
- Regional Roads Proposed 40 km/h
- Regional Roads
- Municipal Roads



**Attachment #2: Proposed
40 km/h Posted Speed Limits
(Community of Beaverton)**



Where Regional Roads are designated 40 km/h, all intersecting local municipal roads would also be designated with maximum speed limits of 40 km/h or less.

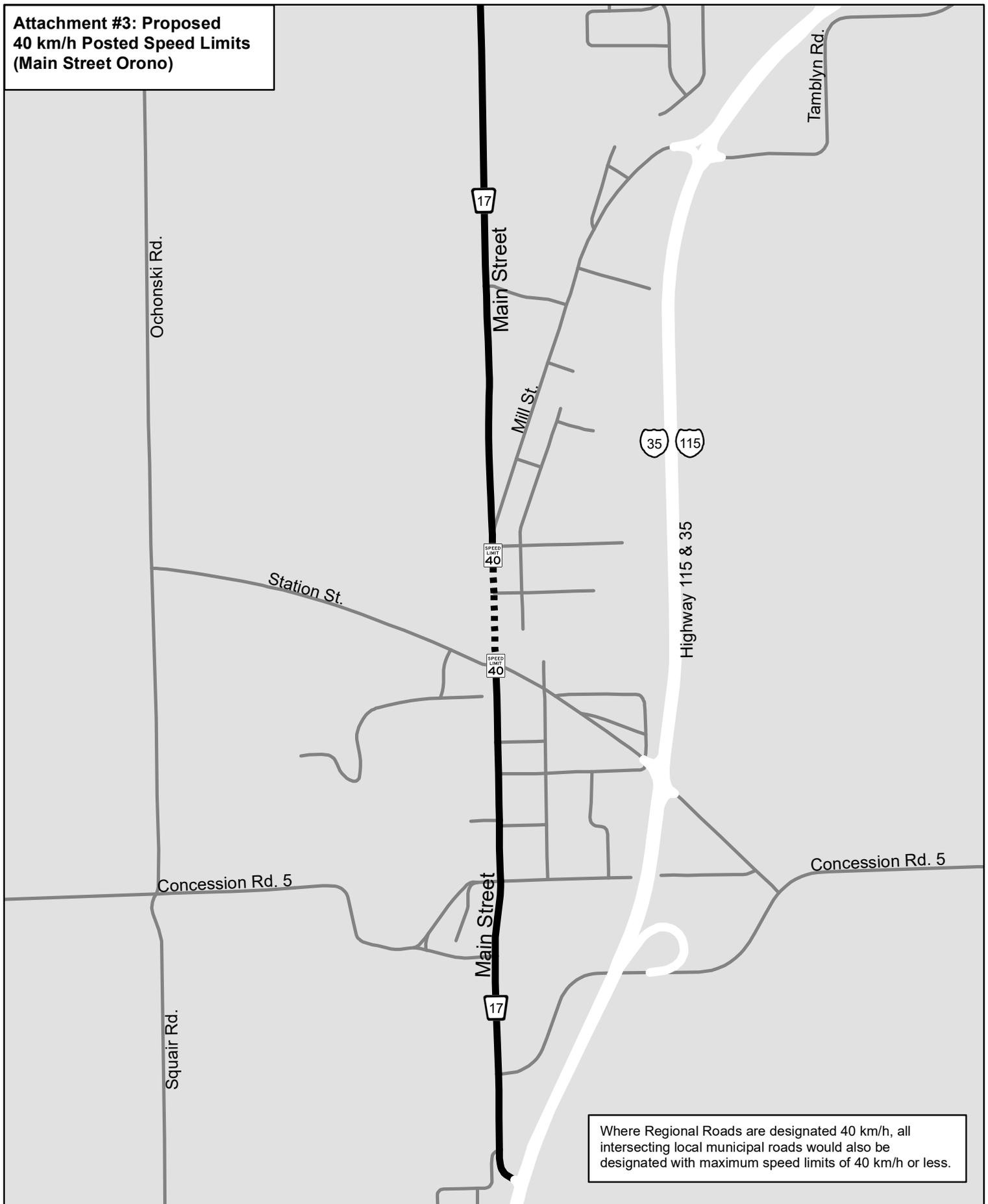


Legend

- ▬ Provincial Roads
- ▬▬ Regional Roads Proposed 40 km/h
- ▬ Regional Roads
- ▬ Municipal Roads



**Attachment #3: Proposed
40 km/h Posted Speed Limits
(Main Street Orono)**



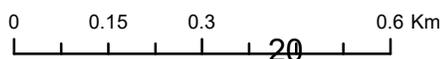
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The Regional Municipality of Durham

Works Department
Traffic Engineering & Operations

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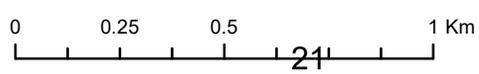
Legend

- Provincial Roads
- Regional Roads Proposed 40 km/h
- Regional Roads
- Municipal Roads



**Attachment #4: Proposed
40 km/h Posted Speed Limits
(Pickering Village)**

Where Regional Roads are designated 40 km/h, all intersecting local municipal roads would also be designated with maximum speed limits of 40 km/h or less.

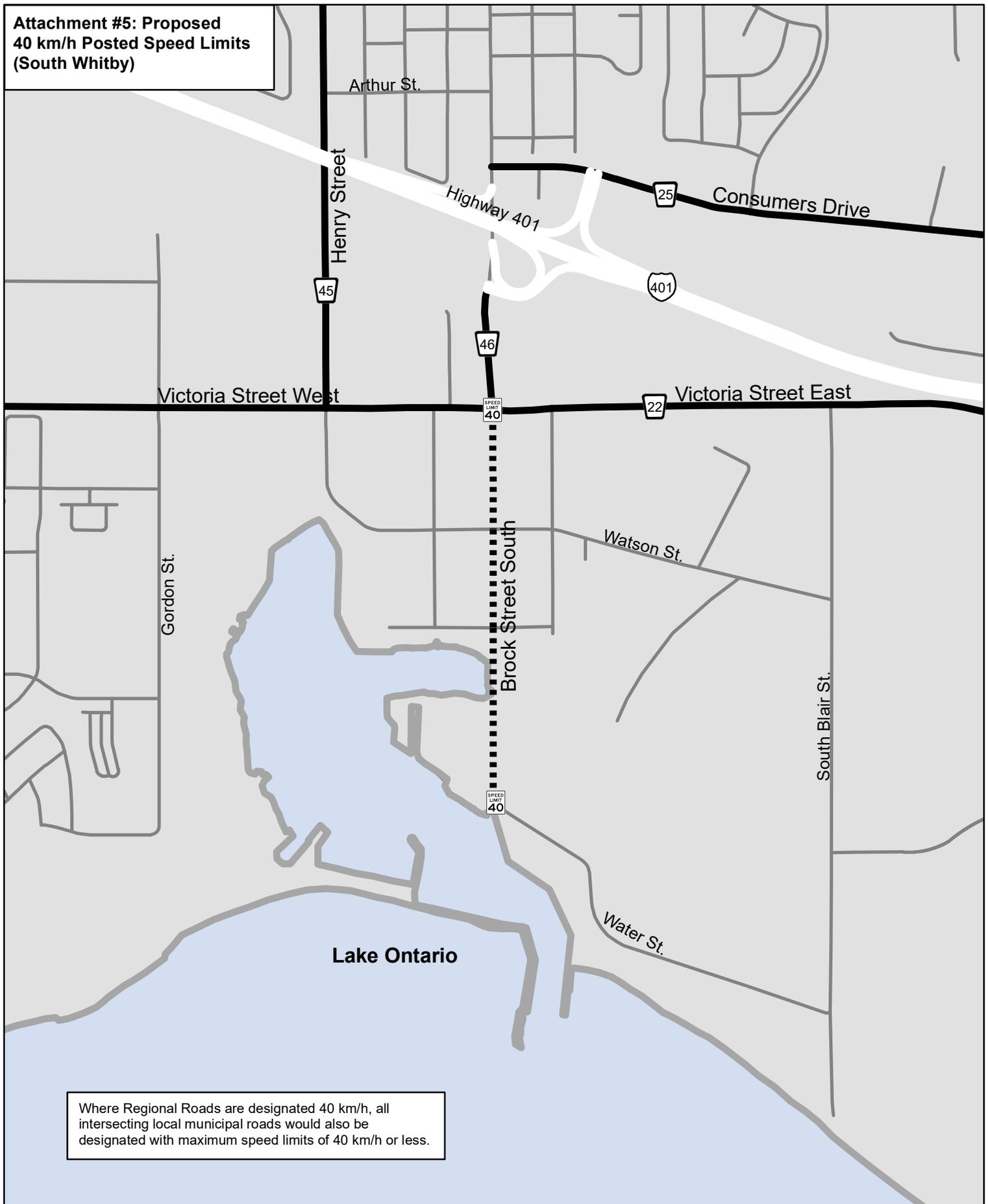


Legend

- Provincial Roads
- Regional Roads Proposed 40 km/h
- Regional Roads
- Municipal Roads



**Attachment #5: Proposed
40 km/h Posted Speed Limits
(South Whitby)**



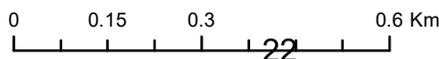
Where Regional Roads are designated 40 km/h, all intersecting local municipal roads would also be designated with maximum speed limits of 40 km/h or less.



The Regional Municipality of Durham

Works Department
Traffic Engineering & Operations

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Legend

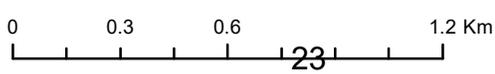
- Provincial Roads
- Regional Roads Proposed 40 km/h
- Regional Roads
- Municipal Roads



**Attachment #6: Proposed
40 km/h Posted Speed Limits
(Hamlet of Claremont)**



Where Regional Roads are designated 40 km/h, all intersecting local municipal roads would also be designated with maximum speed limits of 40 km/h or less.

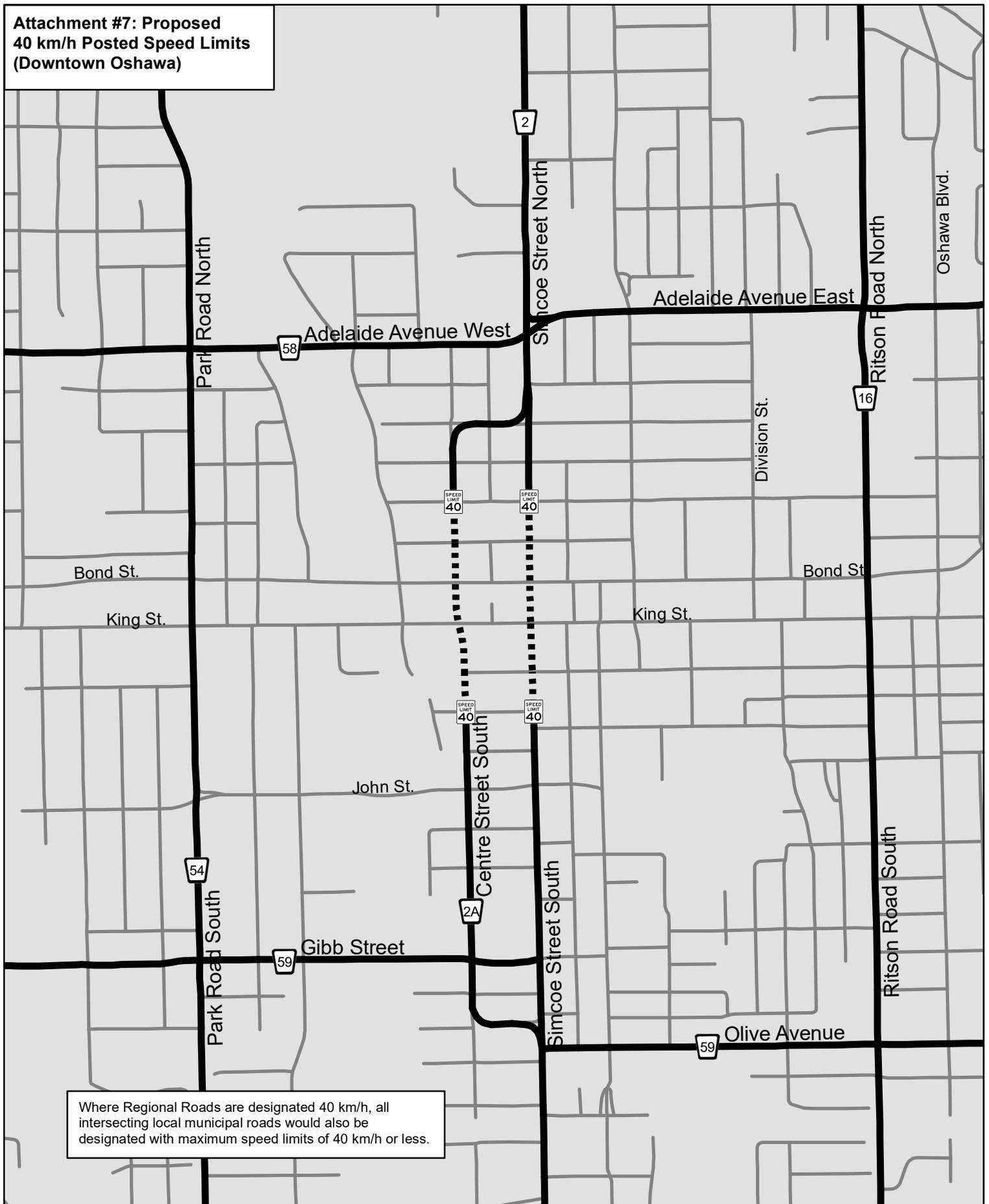


Legend

- Provincial Roads
- Regional Roads Proposed 40 km/h
- Regional Roads
- Municipal Roads



**Attachment #7: Proposed
40 km/h Posted Speed Limits
(Downtown Oshawa)**



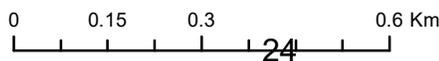
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Legend

- Provincial Roads
- Regional Roads Proposed 40 km/h
- Regional Roads
- Municipal Roads





The Regional Municipality of Durham
Uniform Regional Traffic Policy
Works Department

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Traffic By-Laws

1) Need for Uniformity

- a) Traffic by-laws are enacted by municipalities under the authority of the Municipal Act, 2001. The purpose of such by-laws is to provide regulations for the efficient and safe movement of persons and goods on municipal streets.
- b) The observance of the municipal by-laws in the Region would be further enhanced by the uniform enactment of traffic by-laws by all local municipalities and the Regional Municipality. The continuity of by-laws within the Region, which transcend municipal boundaries, affords the operators of motor vehicles on municipal streets a reasonable opportunity to be made aware of the traffic by-laws and furthermore, simplifies their publication and distribution.
- c) It shall, therefore, be the policy to endorse and maintain uniformity of traffic by-laws within the Region.

2) Maintenance of the Uniformity in Amendments

- a) A uniform traffic by-law, exclusive of amendments to the schedules thereof, and this statement of uniform traffic policy, will require amendments from time to time. It is important that such amendments be enacted uniformly in all jurisdictions in the Region.
- b) It shall, therefore, be the policy that amendments to the general section of the uniform by-law shall be introduced only after thorough review and consideration of the effect of the amendment in relation to the purpose and intent of uniform by-laws throughout the Region.

3) Obsolescence of By-law Publications

- a) In order to prevent the continual obsolescence of any publication of the by-laws, it shall be the policy to enact amendments to the uniform traffic by-law (other than to its schedules), not more than twice yearly.

Traffic Control Devices

4) Warrants

- a) Traffic signals, stop signs and other regulatory signs, warning signs and pavement markings, constitute the commonly recognized traffic control devices. It is important that such devices be used only after engineering studies, and in accordance with recognized traffic engineering standards. Unnecessary signals and signs are quickly recognized as such by the motoring public, and arouse resentment and contribute to the poor

Attachment #8 to Report 2021-W-33

observance of traffic laws. This in turn endangers the safety of the public using our streets.

5) Uniformity of Signs

- a) The safety and efficient movement of persons using municipal streets is enhanced by their ability to immediately recognize and interpret the intention of traffic control devices. The immediate recognition and understanding of such devices can only be accomplished through uniform use.
- b) Non-uniform signs and markings lead to misunderstanding and confusion and make less safe and effective the general purpose of such devices.
- c) It shall, therefore, be the policy to subscribe to those designs of traffic control devices which are accepted as standard, generally those shown in the Ontario Traffic Manual, the Manual of Uniform Traffic Control Devices for Canada and the King's Highway Guide Signing Policy Manual.

6) Commercial and Private Entrance Ways

- a) Vehicles which are driven on private roads, driveways or entrances, at the approach to a public street are required by virtue of the Highway Traffic Act to yield the right-of-way before entering such street. The practice of introducing traffic control devices such as stop signs or signals at some of these private driveways, dilute the effectiveness of the general laws and by-laws with respect to this matter.
- b) It shall, therefore, be the policy that unless engineering studies indicate a need, private driveways will not be controlled by stop signs or traffic control signals.
- c) When engineering studies indicate that traffic control signals are required or would be beneficial, the policy shall be as follows:
- d) Upon the owner of a commercial or private enterprise signing an agreement with the Region accepting responsibility for the cost of installation, maintenance and operation of the traffic control device, the necessary lighting system and any necessary reconstruction, the Region will install and maintain such devices and lighting system on behalf of the commercial or private enterprise.
- e) The Region will not install flashing beacons at commercial or private entrances.

7) Roundabouts

- a) Modern roundabouts have more implicit design considerations that reduce vehicle approach and circulating speeds; improve pedestrian crossing and

vehicle sight lines, and provide a clear exit path for drivers. Key planning and design factors, including cycling routes, pedestrians with disabilities, commercial vehicles, transit, emergency services, access management, right-of-way requirements, illumination, effects on the traffic control networks and costs must all be considered when assessing the feasibility of roundabouts. It shall, therefore, be the policy to subscribe to a comprehensive Intersection Control Study (ICS) that takes into consideration planning and design factors of modern roundabouts which are accepted as industry standard, generally those shown in the Federal Highway Administration (FHWA) guidelines.

Speed Limits

8) Speed Zones

- a) Reduced speed zones are often created through built-up areas or on the approaches to urban areas. The indiscriminate application of reduced speed limits is inadvisable, since it has been shown that limits which are unreasonably low are largely ineffective without a continuous and impractical level of enforcement activity.
- b) It shall, therefore, be the policy that increased or reduced speed limits shall only be applied where justified by proper engineering study.
- c) No construction zone speed limit shall be more than 20 kilometres per hour below the normal posted speed limit for the road.

Parking Regulations

9) General

- a) The curb parked car is a primary factor in the reduction of road capacity and is a major cause or contributing factor in a great number of collisions. It contributes tremendously to the delays and difficulties of public transit vehicles, it interferes seriously with the free movement of vehicles and it is often a factor in the deterioration of residential values.
- b) The intangible costs of curb parking are incalculable and the prohibition of this practice is an absolute necessity if improvement is to be obtained in traffic movement. To encourage the progressive elimination of curb-parking, greater encouragement and emphasis must be placed on the provision of off-street facilities by business concerns and by public parking authorities.
- c) As a general policy, the movement of traffic shall take precedence over the need for curb parking and parking shall be prohibited as and where warranted by traffic congestion or collision experience.
- d) It shall, nevertheless, be the policy to keep local municipalities fully informed as to proposals for the removal of parking and to adequately publicize these

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measures so as to forewarn those affected thereby. Where conditions warrant, up to twelve (12) months advance notice will be given prior to the removal of curb parking.

10) Newly-Widened Streets

- a) When the pavement is widened to accommodate a larger volume of traffic, it shall be the policy that parking be prohibited during such periods as required on the paved portion of the roadway. Where no curb exists, the shoulder will be constructed, if possible, to permit parking parallel to the edge of the pavement. Where the width of right-of-way or other considerations prohibit the provision of a parking area adjacent to the pavement, a barrier type curb will be constructed and parking will be prohibited. Any parking that may be permitted in accordance with the above must adhere to the established policy of parking restrictions such as in the vicinity of bus stops and street corners.

11) Rush Hour Regulations

- a) Rush hour parking regulations will be imposed in those cases where warranted by congestion and where either the creation of additional moving lane(s) is necessary and practicable, or where significant operational improvements can be accomplished.
- b) A rush hour route is considered to be a highway on which the practical capacity (according to the Highway Capacity Manual of the Transportation Research Bureau) is exceeded in one or both directions during all or any part of the peak hours. When this condition prevails, it shall be the policy to prohibit stopping during the affected times.
- c) In the interest of uniformity, all rush hour restrictions in the same general area shall apply at identical times.

12) Regulation of Parking Duration

- a) Where curb parking is permitted, it may be regulated by means of posted time limits or parking control devices. The use of time regulations is indicated in the case of commercial areas where it is necessary to create turnover and ensure maximum availability for short-term parkers.
- b) In recognition of the fact that the need for time regulation of curb parking is normally determined by the abutting land use and is primarily of local interest, it shall be the policy to implement such regulations in cooperation with the local municipalities and in accordance with the following:
 - i) Posted Time Limits

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- Upon approval by the Regional Council of an application from a local municipality for restrictions regulating the duration of parking, Regional Council will enact a by-law and cause the regulations to be posted.
- In the interest of uniformity, posted time limits in the same general area shall apply at identical times (i.e.: between 8 a.m. and 6 p.m. daily except Sundays); however, where approved by Regional Council, exceptions may be made in special circumstances.

ii) Parking Control devices

- Upon approval by the Regional Council of applications submitted by local municipalities, permission shall be granted for the installation of parking control devices at new locations on Regional roads and for the retention of revenues collected there from by the local municipalities; such permission to be granted in each case on the following conditions:
- That the local municipalities assume full responsibility for the full installation of such parking control devices, collection of revenues, maintenance (including the cost of stall pavement parkings) and any other matters arising out of the presence of the parking control devices on Regional roads.
- That the local municipalities indemnify the Regional Municipality of Durham from any claims arising from the presence of the parking control devices on Regional roads.
- That the net revenues from such parking control devices shall be set aside for the future provision of off-street parking facilities.
- That the parking control devices will be removed at the request of the Regional Municipality of Durham.

The necessary by-laws will be enacted by the Regional Municipality of Durham.

Where requests for regulation of the duration of parking are received from sources other than the local municipality, it shall be the policy to consult the local municipality prior to Regional Council making a decision in the matters.

13) Parking Adjacent to New Buildings

- a) It appears reasonable that off-street parking facilities which are provided under a zoning by-law should permit the clearance of parked vehicles from adjacent public streets. Therefore, it shall be the policy to encourage local municipalities to enact zoning regulations requiring the supply of adequate off-street parking facilities and loading facilities in all new buildings and developments. It shall further be the policy, where the movement of on-street

traffic would benefit, to prohibit street parking across the frontage of such development.

Truck Routes and Deliveries

14)General

- a) Every residence, store, business and industry is dependent on the motor truck to a greater or less degree. As the community grows, the number of trucks required to service it also increases, as does the cost because of the increased length of travel. When to this, is added, a staggering amount of delay because of traffic congestion and because of the frequent inability to reach the point of destination by the most direct route, the effect on the cost of goods and the cost of living becomes a very important factor.
- b) It shall, therefore, be the policy to facilitate the movement and usage of commercial vehicles commensurate with appropriate protection to the amenities and value of residential areas, and to cooperate with local municipalities in arriving at mutually satisfactory solutions to the problems arising from the movement of such vehicles.

15)Loading and Delivery Facilities

- a) Business, commercial and industrial concerns should be encouraged to provide off-street facilities for loading of merchandise and delivery of goods. The lack of such facilities leads to considerable reduction in available street capacity, due to the use of curb space and the illegal practice of double parking. Zoning regulations should require off-street loading facilities in new buildings. These facilities should require entry and exit without maneuvering on the street. The construction of loading doors in the face of buildings at the street line should be prohibited.

Public Transit

16)Transit Stops

- a) The spacing, location, design and operation of transit stops have major effects of transit vehicle and system performance. Stop spacing is a primary determinant of transit schedule.
- b) Bus stops on the street are usually located along the street curb for direct safe passenger access to and from the sidewalk, waiting and walking areas. Stops may be located either in the intersection exit (far-side), the intersection approach (near-side), or at mid-block. Far-side stops are the preferable choice for service in general because they reduce conflicts between right-turning vehicles and stopped buses, eliminate sight-distance deficiencies on approaches to an intersection, and encourage pedestrian crossing at the rear of the bus. Additionally, where transit signal priority is implemented to

expedite travel across an intersection, far-side stops are integral to this operation. Near-side stops are acceptable when a far-side stop is deemed unsafe or impractical. Mid-block stops are considered special case stops and are to be used only when no other alternative is available.

- c) It shall be the policy that all proposed new routes and stop locations on the Regional road system shall be subject to review and approval by the Works Department.

Private Entrance Control

17) General

- a) The size and location of necessary commercial and private driveways must be specified to protect street traffic from undue interference. A similar problem surrounds location and operation of off-street parking facilities. Governmental control should ensure that the public interest in the street system is not infringed upon, and the private development along the street margin does not place impossible burdens upon the systems. It shall, therefore, be the policy to control access to streets from abutting private property.

Construction and Maintenance

18) General

- a) The often limited capacity available for the movement of traffic on roadways in the Region requires that every consideration be given to minimizing the disruption and interference to the movement of traffic by virtue of roadway repairs and construction, and appropriate detour signing.
- b) Interferences can be minimized by carefully planning the time during which such work is undertaken, by minimizing the working area, and by carefully planning in advance the rerouting of traffic and appropriate detour signing.
- c) It is therefore desirable and shall be the policy that all work other than emergency repair, requiring the closure or partial closure of any Regional road, shall be coordinated with the appropriate Regional officials prior to the work being undertaken, in order that any interference and disruption to the movement of traffic may be minimized.

19) Detour Routes

- a) Where the full closure of a Regional roadway has been permitted, it shall be the policy, wherever possible and practical, to utilize other Regional roadways as detour routes. Where the detour can only be accomplished by diverting traffic to streets under the jurisdiction of a local municipality, Regional officials will consult with the local municipality and make the necessary arrangements for the posting of the detour routes.

- b) Except in emergencies, requests for full or partial road closing shall be submitted to the Region not less than ten (10) working days in advance of the date proposed for the work.

School Crossings

20) General

- a) Where, in the opinion of the Council of an local municipality, there is a need for the placement of a supervised school crossing on a Regional road, the Region will install and thereafter maintain the required signs and pavement markings providing that a school patrol or adult school guard is supplied by the local municipality.
- b) In accordance with the recommendations of the Ontario Traffic Manual, it shall be the policy that school crossing points shall not be signed and marked except where a school patroller or adult crossing guard is provided. Signs and markings are only provided at midblock locations or on the uncontrolled leg of an intersection. They are not installed in conjunction with traffic control signals or stop signs.

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 3540.



The Regional Municipality of Durham Report

To: Works Committee
From: Commissioner of Works
Report: #2021-W-34
Date: October 6, 2021

Subject:

Amendments to Regional Roads Consolidation By-Law Number 22-2018

Recommendation:

That the Works Committee recommends to Regional Council that Corporate Services – Legal Services be directed to prepare an amending by-law to amend By-Law Number 22-2018, generally in the form included as Attachment #1 to this report, for submission to Regional Council for passage.

Report:

1. Purpose

- 1.1 The purpose of this report is to seek Regional Council approval to amend the Regional Municipality of Durham's (Region) Roads Consolidation By-law to add newly assumed road segments to the Regional road system, and to make associated adjustments to other affected road segments and road numbering.

2. Background

- 2.1 The Regional Roads Consolidation By-law was passed by Council on June 13, 2018. This By-law defines the linear limits of the roads comprising the Regional road system.

3. Previous Reports and Decisions

- 3.1 Previous amendments to this By-law were passed on March 6, 2019, as detailed in Report #2019-W-18.

4. Analysis

- 4.1 The following amendments to the Regional Roads Consolidation By-law are proposed, for which authority is being sought pursuant to this report.

Consumers Drive, Stellar Drive and Champlain Avenue (Regional Road 25 and Regional Road 25A) – Town of Whitby and City of Oshawa

- 4.2 A newly constructed road known as Stellar Drive (previously referred to as the Consumers Drive extension) was completed and opened to traffic in 2020. Stellar Drive between Thicksen Road (Regional Road 26) and Thornton Road (Regional Road 52) forms part of Regional Road 25.
- 4.3 The portion of the existing Champlain Avenue between Stellar Drive and Thornton Road (Regional Road 52) was renumbered as Regional Road 25A, while the portion between Thornton Road (Regional Road 52) and Stevenson Road (Regional Road 53) retained the Regional Road 25 designation.

Whites Road (Regional Road 38) – City of Pickering

- 4.4 A newly constructed road known as Whites Road has been completed and was opened to traffic between Taunton Road (Regional Road 4) and Highway 7 in February 2021. This road forms a portion of Regional Road 38.

5. Relationship to Strategic Plan

- 5.1 This report aligns with/addresses the following strategic goals and priorities in the Durham Region Strategic Plan:
- a. Community Vitality – the newly constructed roads create new connections to facilitate community growth

- b. Economic Prosperity – the newly constructed Stellar Drive provides easier access to industrial and commercial buildings

6. Conclusion

- 6.1 The proposed amendments to the Regional Roads Consolidation By-law are required to add newly assumed portions of road to the Regional road system, and to make associated adjustments to other affected road segments and road numbering.
- 6.2 This report has been reviewed by the Legislative Services and Legal Services Divisions of the Corporate Services Department.
- 6.3 For additional information, contact Steve Mayhew, Manager, Transportation Infrastructure, at 905-668-7711 extension 3484.

7. Attachments

Attachment #1: Amendments to Regional Roads Consolidation By-law
Number 22-2018

Respectfully submitted,

Original signed by:

Susan Siopis, P.Eng.
Commissioner of Works

Recommended for Presentation to Committee

Original signed by:

Elaine C. Baxter-Trahair
Chief Administrative Officer

By-law Number **-2021
of The Regional Municipality of Durham

Being a by-law to amend By-law Number 22-2018 by which the linear limits of the several roads comprising the Regional Road system are defined.

Now therefore, the Council of The Regional Municipality of Durham hereby enacts as follows:

1. That Schedule "A" be amended by **deleting** therefrom the following:

BEING that portion of road or the deviations thereof in the Town of Whitby and the City of Oshawa known as Consumers Drive and Champlain Avenue:

Regional Road Number	From:	To:	Length of Section (m)
25	Commencing in the Town of Whitby on the road, known as Consumers Drive in Lot 26 of Concession I, at the eastern limit of the road between Lots 26 and 27 of Concession I, being Brock Street;	Easterly on the said road to a point in Lot 20 of Concession I, where the road turns to the south;	2606.8
25	A point on the said road in Lot 20 of Concession I, where the road turns to the south;	Southerly on the said road through part of Lot 20 of Concession I, to a point where the said road turns to the east;	424.6
25	A point in Lot 20 of Concession I, where the said road turns to the east;	Easterly on the said road across Part of Lot 20, all of Lots 18 and 19 and Part of Lot 17 of Concession I, to the boundary between the Town of Whitby and the City of Oshawa;	975.9

Regional Road Number	From:	To:	Length of Section (m)
25	The boundary between the Town of Whitby and the City of Oshawa;	Easterly on the said road, in the City of Oshawa, across Part of Lot 17 and all of Lot 16 of Concession I, to the western limit of the road known as Regional Road 53 (Stevenson Road);	1333.0
-	-	Total length	5340.4

2. That Schedule “A” be amended by **substituting** therefor the following:

BEING that portion of road or the deviations thereof in the Town of Whitby and the City of Oshawa known as Consumers Drive, Stellar Drive and Champlain Avenue:

Regional Road Number	From:	To:	Length of Section (m)
25	Commencing in the Town of Whitby on the road, known as Consumers Drive in Lot 26 of Concession I, at the eastern limit of the road between Lots 26 and 27 of Concession I, being Brock Street	Easterly on the said road to the west limit of the road known as Regional Road 26 (Thickson Road);	2484.0
25	Commencing in the Town of Whitby on the road, known as Stellar Drive in Lot 20 of Concession I, at the east limit of the road known as Regional Road 26 (Thickson Road);	Easterly on the said road to the west limit of the road known as Regional Road 52 (Thornton Road);	1658.0

Regional Road Number	From:	To:	Length of Section (m)
25	Commencing in the City of Oshawa on the road, known as Champlain Avenue in Lot 16 of Concession I, at the eastern limit of the road known as Regional Road 52 (Thornton Road);	Easterly on the said road to the west limit of the road known as Regional Road 53 (Stevenson Road);	855.0
-	-	Total length	4997.0

3. That Schedule "A" be amended by **adding** thereto the following:

BEING that portion of road or the deviations thereof in the Town of Whitby and the City of Oshawa known as Champlain Avenue:

Regional Road Number	From:	To:	Length of Section (m)
25A	Commencing in the Town of Whitby on the road, known as Champlain Avenue at a point in Lot 20 of Concession I, at the southern limit of the road known as Regional Road 25 (Stellar Drive);	Southerly and easterly on the said road to the west limit of the road known as Regional Road 52 (Thornton Road);	1695.0
-	-	Total length	1695.0

4. That Schedule "A" be amended by **deleting** therefrom the following:

BEING that portion of road or the deviations thereof in the City of Pickering known as Whites Road:

-	-	Total length	7437.0
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5. That Schedule "A" be amended by **adding** thereto the following:

BEING that portion of road or the deviations thereof in the City of Pickering known as Whites Road:

Regional Road Number	From:	To:	Length of Section (m)
38	Commencing again in the City of Pickering on the road known as Whites Road, being the road allowance between Lots 26 and 27 of Concession IV, at the northern limit of the road known as Regional Road 4 (Taunton Road);	Northerly on the said road to the south limit of the King's Highway No. 407;	3033.0
38	Commencing again on the said road at the northern limit of the King's Highway No. 407;	Northerly on the said road to the south limit of the King's Highway No. 7;	127.0
-	-	Total length	10597.0

This By-law Read and Passed on the -----th day of -----, 2021.

J. Henry, Regional Chair and CEO

R. Walton, Regional Clerk

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 3540.



The Regional Municipality of Durham Report

To: Works Committee
From: Commissioner of Works
Report: #2021-W-35
Date: October 6, 2021

Subject:

Participation in the National Sciences and Engineering Research Council, Industrial Research Chair in Source Water Quality Monitoring and Advanced/Emerging Technologies for Drinking Water at the University of Toronto

Recommendation:

That the Works Committee recommends to Regional Council:

- A) That the Regional Municipality of Durham continue participation as a municipal partner of the National Sciences and Engineering Research Council, Industrial Research Chair, in Source Water Quality Monitoring and Advanced/Emerging Technologies at the University of Toronto for five years (2022 – 2026) at a cost of \$50,000 annually to be financed from the annual Water Supply Business Plans and Budget; and
 - B) The Regional Chair and Clerk be authorized to execute the partnership agreement.
-

Report:

1. Purpose

- 1.1 The purpose of this report is to continue participation in the National Science and Engineering Research Council (NSERC) as a municipal partner in the Source Water Quality Monitoring and Advanced/Emerging Technology at the University of Toronto, with financing for this research grant to be provided from within the annual Water Supply Business Plans and Budget.

2. Background

- 2.1 The Regional Municipality of Durham (Region) in conjunction with other municipal partners including Cities of London and Peterborough, Regions of York and Halton, Town of Parry Sound, and private industry partners, have supported research in new technologies and developing expertise in drinking water treatment and delivery conducted by the Department of Civil Engineering at the University of Toronto since 2008.
- 2.2 The purpose of this partnership is to link source water quality with emerging technologies to improve and optimize water treatment operations.
- 2.3 The NSERC Chair in Water Treatment is currently conducting research on specific water treatment issues for the Region and other funding partners. These issues include:
- Cyanotoxin control strategies in drinking water.
 - Developing tools to evaluate Granular Activated Carbons absorptive capacity of taste and odour compounds.
 - Mussel control strategies at drinking water intakes.
 - Investigating the ability of ultraviolet light treatment and hydrogen peroxide to destroy the taste and odour compounds and emerging micro pollutants.
- 2.4 As the research is focused specifically on issues important to the funding partners, the Region will benefit through the provision of knowledge and potential alternative solutions for some of the water treatment concerns currently faced by the Region and other utilities.
- 2.5 The taste and odour research are of relevance and the emerging issue related to trace amounts of microplastics in drinking water has also become very relevant to water treatment plant operations.
- 2.6 Regional staff are actively involved in projects with the Drinking Water Research Group and have learned first-hand from industry experts. Canadian drinking water treatment utilities are aware of emerging issues and source water risks. Participating in NSERC allows the Region to further explore the subject areas previously mentioned and work collaboratively with subject matter experts in important drinking water research for the next five years.

3. Previous Reports and Decisions

- 3.1 The Region has participated in the NSERC Industrial Research Chair as a municipal partner since 2008. Report #2017-COW-4 was approved to authorize the partnership agreement from 2017 – 2021.

4. Financial Implications

- 4.1 The annual research agreement cost of \$50,000 for participation in the NSERC Industrial Research Chair, will be funded from the annual Water Supply Business Plans and Budget. This cost is consistent with the amount funded through previous agreements.

5. Relationship to Strategic Plan

- 5.1 This report aligns with or addresses the following strategic goals and priorities in the Durham Region Strategic Plan:
- a. Goal 2: Community Vitality
 - 2.2 Enhance community safety and well-being
 - b. Goal 5: Service Excellence
 - 5.1 Optimize resource and partnerships to deliver exceptional quality services and value
 - 5.2 Collaborate for a seamless service experience
 - 5.3 Demonstrate commitment to continuous quality improvement and communicating results

6. Conclusion

- 6.1 It is recommended that the Regional Municipality of Durham participate as a municipal partner in support of the National Sciences and Engineering Research Council, Industrial Research Chair, in Source Water Quality Monitoring and Advanced/Emerging Technologies at the University of Toronto at an annual cost of \$50,000 for the new five-year term (2021 – 2026).
- 6.2 It is recommended that the Regional Chair and Clerk be authorized to execute the partnership agreement.

6.3 This report has been reviewed by the Finance Department and the Commissioner of Finance concurs with the financial recommendations.

6.4 For additional information, contact: Tavis Nimmo. Supervisor, Technical Support, at 905-668-7711, extension 3737.

Respectfully submitted,

Original signed by:

Susan Siopis, P.Eng.
Commissioner of Works

Recommended for Presentation to Committee

Original signed by:

Elaine C. Baxter-Trahair
Chief Administrative Officer

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 3540.



The Regional Municipality of Durham Report

To: Works Committee
From: Commissioner of Works
Report: #2021-W-36
Date: October 6, 2021

Subject:

Proposed Study of the Current Policy/Practice for Streetlighting on Regional Roads

Recommendation:

That the Works Committee recommends to Regional Council:

- A) That the Draft Terms of Reference outlined in this report for a Consultant Study of the Current Policy/Practice with respect to Streetlighting on Regional Roads, be circulated to the Durham Local Area Municipal Councils for endorsement no later than December 10, 2021; and
 - B) That the Current Policy/Practice with respect to Streetlighting on Regional Roads (Attachment #1) continue to prevail until the proposed Consultant Study is completed and any changes on a consensus basis are approved and implemented.
-

Report:

1. Purpose

- 1.1 The purpose of this report is to provide details of the Current Policy/Practice governing Streetlighting on Regional Roads (SLRR) and outline a Draft Study Terms of Reference for a review of the Policy/Practice. The report also seeks approval for the circulation of the Draft Terms of Reference to all Local Area Municipal (LAM) Councils for comments and endorsement no later than December 10, 2021.

2. Background

- 2.1 The purpose of streetlighting on a roadway is to increase the visibility of roadway and sidewalk users during hours of darkness, including motorists, cyclists, and pedestrians, and thereby improve road safety. There is widespread industry consensus and statistical evidence that streetlighting substantially decreases night-time collision rates. Streetlighting is therefore a valuable countermeasure in achieving the Regional Municipality of Durham's (Region) and LAM's Vision Zero aspirations.
- 2.2 In Durham, as per Current Policy/Practice, LAMs are primarily responsible for SLRR. This includes the planning, design, operation, construction and maintenance of all related assets. The basis for the Current Policy/Practice is the original 1975 Regional policy, subsequently amended in 1991 and 1996 to introduce Regional cost-sharing and to clarify operating and maintenance responsibilities for SLRR installations in rural locations. An outline of the Current Policy/Practice is provided in Attachment #1.
- 2.3 In recent years, the LAMs have requested a review of the Current Policy/Practice and specifically for the Region to assume increased levels of responsibility for SLRR. The request is driven by the following perspectives:
- Streetlighting is a benefit to all users of the Regional road, including motorists, cyclists, and pedestrians, leading to the notion that the Region should assume increased responsibility for SLRR.
 - Streetlighting assets on the Regional road allowance cater solely to users of the Regional roadway.
 - The growing public demand for streetlighting on all roads including Regional roads is causing increasing financial burden on the LAMs' financial resources.
- 2.4 In response to LAM requests, as part of the 2017 Durham Transportation Master Plan (TMP) study, the Current Policy/Practice was reviewed albeit in a cursory manner. Specifically, the TMP study reviewed and compared municipal practices and jurisdiction for streetlighting on upper-tier roads throughout the Greater Golden Horseshoe (GGH). The review found that a majority of the lower-tier municipalities continued to maintain responsibility for streetlighting on their upper-tier roads, however, acknowledged that the practices were evolving and discussions under way to rationalize jurisdictional responsibilities. The TMP study concluded that there was no rationale at that time for considering any changes to the Region's Current Policy/Practice.

3. LAM Request for Review of the Current SLRR Policy/Practice

- 3.1 In early 2019, through the forum of Region/LAM Chief Administrative Officers (CAOs), there were further requests of the Region to review the Current Policy/Practice. In response, the Region advanced discussions with LAM staff to gain an understanding of the LAM inventory of SLRR and their areas of concern with the Current Policy/Practice.
- 3.2 Although not all LAMs were able to provide the same level of information with respect to SLRR, it is estimated that together they operate and maintain approximately 10,000 luminaires on Regional roads, in addition to the approximately 50,000 luminaries on their local roads. Approximately 80% of these luminaries are low-energy consuming LED fixtures.
- 3.3 To assess LAM requests, in 2019/20, a brief survey of the ten upper-tier municipalities in the GGH (Counties of Dufferin, Northumberland, Peterborough, Simcoe and Wellington, and the Regions of Halton, Peel, Niagara, Waterloo and York) was conducted about their practices pertaining to streetlighting on the upper-tier roads. The survey showed that all upper-tier municipalities in the GGH share responsibility for some aspect of streetlighting with their lower-tier jurisdictions.
- 3.4 Design is the responsibility most often shared by upper-tier municipalities, with about 75% of them dividing up the task and/or cost. This typically depends on which jurisdiction is leading the capital project. By contrast, only half of the upper-tier municipalities share responsibility for assessing need with their lower-tier jurisdictions. The construction of streetlighting is a shared responsibility in most two-tiered municipalities, although the lead agency and/or cost apportionment varies. The jurisdiction responsible for the capital project typically takes the lead, with the other municipality reimbursing for all or a portion of the cost.
- 3.5 Some of the GGH Regional Municipalities appear to have (Halton, Waterloo, and Peel) or are working towards (Niagara) assuming sole responsibility for streetlighting on their roads. Counties tend to share the responsibility more, likely due to the more isolated instances of streetlighting consistent with the rural character of their communities.
- 3.6 The Current Policy/Practice on streetlighting in place with the Region appears more detailed than others, with more specific provisions for cost sharing.

4. Discussion

- 4.1 The Municipal Act does not define jurisdictional responsibility for streetlighting. Whereas, sidewalks, for example are defined as a lower-tier responsibility regardless of whether they are on an upper-tier or lower-tier road allowance, unless the municipalities agree otherwise.
- 4.2 There is no reliable estimate of the current SLRR asset inventory or its replacement value. Capital costs would depend on new streetlighting requirements, replacement needs and extent and locations of the Region's road capital programs. This cost is estimated to be in the \$3-5M range annually. Current annual operating and maintenance costs for SLRR appear to be in the \$2-3M range depending on the confirmed size of inventory, their energy efficiencies and third-party (e.g. utility companies) cost obligations. Based on community requests for additional streetlighting and lagging investment history, there is conceivably a latent demand for additional SLRR which has the potential to further increase planning, capital, operating and maintenance cost obligations.
- 4.3 Primary LAM sources of current financing for SLRR include development charges (capital) and property taxes (capital, operations, maintenance). Transfer of all or any increased level of responsibility for SLRR to the Region would therefore result in financial, staffing and related logistics implications at the Regional level. Therefore, a decision to alter the Current Policy/Practice to any significant level requires careful due diligence.

5. Recommended Next Steps

- 5.1 Based on discussions between the Regional and the LAM CAOs, it is recommended that a Study of the Current Policy/Practice be undertaken to:
- thoroughly examine the current jurisdictional responsibilities at the LAM and Regional levels, as per the Current Policy/Practice;
 - propose and document potential changes to the Current Policy/Practice based on larger community interest and the financial impact at the LAM and Regional levels; and
 - if appropriate, develop an implementation plan that provides for a transition from the Current Policy/Practice towards an updated "who does what" framework.

5.2 The proposed Study shall examine the following alternatives:

- Continuation of the Current Policy/Practice, which would result in further documentation as necessary to clarify the Regional and LAM roles, ownership, responsibilities, and obligations with respect to planning, design, construction, operations, maintenance, asset management, financing and risk management of liabilities associated with all aspects of SLRR;
- Variations to the Regional and LAM roles as per the Current Policy/Practice;
- Variations in delivery models and levels of service, taking into consideration the broader interest to avoid duplication of services between the Regional and LAM levels:
 - (a) LAM delivery (status quo)
 - (b) Regional delivery (in-house; outsourced to vendors; outsourced to LAMs; hybrid)
 - (c) Other (e.g. outsource all);
- Distinction in Regional and LAM roles for inside and outside the urban boundaries; or
- Combinations of the above models

5.3 The proposed Draft Terms of Reference for the Study include:

- Engagement of Regional and LAM staff to compile the necessary background SLRR data for the evaluation of alternatives, including but not limited to asset quantities and categories, replacement values, annual operating and maintenance costs, development charges or other funding set aside for SLRR, asset history, asset condition and estimates of current (latent) and future demands;
- Based on a gap analysis, gathering and collection of missing data as necessary to effectively complete the analysis of alternatives;
- Development and evaluation of potential alternatives through best practices review, and analysis of legal implications (Municipal Act, case law), financial implications, road user and safety impacts, risk management considerations, taxpayer impacts, cost-effectiveness, and business efficiencies;

- Conducting interviews with Regional and LAM staff as required to evaluate the alternatives, including the assessment of business implications of related changes to the Current Policy/Practice;
- Recommending the preferred alternative; and
- Developing a plan for the implementation of the preferred alternative, including transition provisions as required.

5.4 It is recommended that the proposed next steps acknowledge and be guided by the following principles:

- Any recommended changes to the Current Policy/Practice that could emerge from the Study should remain cost-neutral to the overall Regional tax base.
- The estimated time for the completion of the proposed Study and implementation of any changes to the Current Policy/Practice is 1-2 years. It is anticipated that any substantive changes that may require significant realignment of the current Regional and/or LAM roles would get the timeframe closer to the upper end of this estimated duration.
- The Study shall be led jointly by the Region and the eight LAMs.
- The preferred alternative should emerge from this Study through an objective review. It is therefore recommended that an independent external consultant be engaged for the Study.
- The consultant engagement should include expertise in legal/risk analysis, finance, management, and transportation/traffic engineering.
- The estimated cost for the consultant Study is in the range of \$150-200K. The actual cost will depend on the data gaps, and complexity (or simplicity) involved in the implementation of the preferred alternative.
- The actual incurred cost of consulting services shall be shared between the agencies (Region and the LAMs), with adequate resources and Legal/Finance/Works staff representation committed to the Study from all agencies.
- The Current Policy/Practice for SLRR will continue to be honoured until the Study is completed and any changes are approved and implemented on a consensus basis.
- The Study will consider road rationalization (i.e., transfer of candidate road segments from/to the Region to/from LAMs, as per Attachment #2- Report #2018-INFO-138) as appropriate in the transition and implementation of the preferred alternative for SLRR. Notwithstanding the timing of the Study,

discussions on road rationalization between the Region and LAMs would continue actively with a view to advancing priority road transfers.

6. Preliminary Timeline

6.1 Following is an estimated preliminary timeline for the completion of the proposed Study and the implementation of the preferred alternative:

- Regional Council approval for circulation of this report to LAM Councils for comments and endorsement of the Terms of Reference (October 27, 2021)
- Comments and endorsement provided to Regional Council from all LAM Councils (no later than December 10, 2021)
- Establishment of a Regional/LAM Study Working Group (December 2021)
- Procurement of consultant services (January 2022 – May 2022)
- Consultant Study completion (June 2022 – December 2022)
- Changes to Current Policy/Practice come into effect (mid-2023, earliest)

6.2 It should be noted that the estimated (targeted) mid-2023 timeframe for any changes in the Current Policy/Practice to come into effect is subject to the Study advancing and being able to inform and influence the 2023 Regional and LAM budget deliberations in a timely manner, including any Regional/LAM Council approvals as may be required, as well as addressing any Development Charges implications.

7. Financial Implications

7.1 The completion of the proposed Study would require engaging external consultant services at an estimated total Regional/LAM cost of \$150-200K.

7.2 Once LAM Council comments/endorsement are received, staff will report back on the status and as necessary at that time seek authorization for the Region's financial contribution to the Study.

8. Conclusion

8.1 The Current Policy/Practice assigns the responsibility for SLRR primarily to LAMs. In response to the LAMs' request for a review of this Policy/Practice, this report outlines potential next steps and process towards the completion of an external and independent Consultant Study that would recommend a preferred option for future delivery of the SLRR function.

- 8.2 This report outlines a Draft Terms of Reference and a process for the proposed Study. It is recommended that a copy of this report be circulated to all Durham LAMs for comments and endorsement back to the Region no later than December 10, 2021.
- 8.3 This report has been reviewed by the Legal Services – Corporate Services and the Finance Department.
- 8.4 For additional information, please contact Ramesh Jagannathan, Director, Transportation and Field Services, at 905-668-7711, ext. 2183.

9. Attachments

Attachment #1: Streetlighting on Regional Roads – Current Policy/Practice

Attachment #2: Report # 2018-INFO-138 (September 28, 2018 CIP)

Respectfully submitted,

Original signed by:

Susan Siopis, P.Eng.
Commissioner of Works

Recommended for Presentation to Committee

Original signed by:

Elaine Baxter-Trahair
Chief Administrative Officer

Streetlighting on Regional Roads – Outline of Current Policy/Practice

1. New Light Installations

- 1.1 All new light installations inside the Urban Boundary (as per the Regional Official Plan), excluding those mounted on Regional traffic signal poles, are 100 percent paid for by the Local Area Municipalities (LAM).
- 1.2 With respect to new light installations outside the Urban Boundary (i.e. Rural Areas, as per the Regional Official Plan):
 - a. Installations on Regional approaches at intersections controlled by Regional traffic signals are 100 per cent paid for by the Regional Municipality of Durham (Region). Installations on LAM approaches at intersections controlled by Regional traffic signals are 100 per cent paid for by the LAM. At intersections controlled by LAM traffic signals, costs are 100 per cent paid for by the LAM.
 - b. Installations along Regional roads are 100 per cent paid for by the Region at locations where the Regional Warrant criteria are satisfied (limited to partial lighting only).
 - c. Installations along Regional roads at locations requested by LAMs that do not meet Regional Warrant criteria are 50 per cent cost-shared by the Region, subject to a proven safety benefit.

2. Light Replacements/Relocations

- 2.1 Replacements/Relocations due to the impacts of a road construction project initiated by the Region are cost shared at 50 per cent of labour and labour-saving devices as per the PSWHA. In essence, streetlighting assets on a Regional road allowance are treated like other third-party utilities on the Regional right-of-way.
 - a. Replacements/Relocations due to the impacts of hydro pole replacements/relocations initiated by the utility company are 100 per cent paid for by the LAM.

3. Operating and Maintenance Costs

- 3.1 LAMs cover all operating and maintenance costs (with the exception of a few sites where the lights are mounted on Regional traffic signal poles that are powered with a metered service, in which case the Region pays for the streetlighting hydro consumption).

4. Other Implementation Elements

- 4.1 LED conversions are paid 100 per cent by the LAM.
- 4.2 On Regional Capital Projects, roadway lighting design is paid for by the Region as part of the design assignment, and the Region recovers 10% of the LAM's share of capital construction cost to cover a portion of the design and contract administration costs.

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 3540.



The Regional Municipality of Durham Information Report

From: Commissioner of Works
Report: #2018-INFO-138
Date: September 28, 2018

Subject:

Road Rationalization Discussions with Local Area Municipalities – Status Update

Recommendation:

Receive for information

Report:

1. Background and Purpose

- 1.1 In March 2018, Information Report #2018-INFO-31 (Attachment #1) was issued to update Regional Municipality of Durham (Region) Council on the findings to date of the Region-wide Road Network Rationalization Study. On the basis of sound transportation planning principles, the report identified candidate road segments for jurisdictional transfer in the short-term (i.e. preliminary recommendation being “transfer candidate”) and highlighted segments recommended for future consideration (i.e. preliminary recommendation being “no transfer, reconsider in the future”). Candidates were identified in all Local Area Municipalities (LAM’s), with the exception of the Township of Uxbridge (Uxbridge). The report acknowledged that transfer opportunities in each LAM have unique considerations that will require further discussion.
- 1.2 Report #2018-INFO-31 had identified the transfer of Regional Road 7 (Island Road) to the Township of Scugog (Scugog) as the only candidate for the short-term. Discussing the Region’s report in May 2018, Scugog Council stated its opposition to this transfer and asked this be re-assessed in future road rationalization discussions. Considering potential changes in traffic volume levels and patterns due to the proposed expansion of the Great Blue Heron Casino which could influence the role of Island Road in the future, Regional staff deemed

it reasonable to defer this to future road rationalization discussions. There were no candidates identified for transfer to the Region in the short term.

- 1.3 Over the last few months, Regional staff met and exchanged correspondence with staff representatives of the six impacted LAM's to specifically discuss the feasibility, mutual interest and possible timing for the transfer of road candidates that Report #2018-INFO-31 identified for the short-term. At a high level, LAM staff expressed consensus with the short-term candidates, therefore the meetings and exchanges predominantly focused on implementation considerations. The purpose of this report is to update Regional Council on these meetings/exchanges and place on public record a summary of staff level views and consensus elements on the proposed short-term transfers.

2. Town of Ajax

- 2.1 Table 1 details the short-term candidates that were identified in the Town of Ajax (Ajax).

Table 1: Ajax – Road Transfer Candidates

Regional Road #	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
31	Westney Road	Harwood Avenue	Bayly Street	2.7	9.5	Urban	Transfer Candidate
Local to Regional	Rossland Road	Pickering/Ajax Boundary	Lake Ridge Road	7.2	14.3	Urban	Transfer Candidate

- 2.2 To advance discussions, Ajax will be preparing a letter to the Region this fall proposing a framework and key milestones for the two proposed transfers.

3. Township of Brock

- 3.1 Table 2 describes the short-term candidates identified in the Township of Brock (Brock).

Table 2: Brock – Road Transfer Candidates

Regional Road	Roads	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
47	Shoreline Road	Mara Road	Simcoe/Durham Boundary	2.1	4.3	Rural	Transfer Candidate
50	Portage Road	Highway #12	Regional Highway #48	4.3	8.8	Rural	Transfer Candidate
51	Talbot Road	Reg. Rd. #50	Simcoe/Durham Boundary	0.1	0.2	Rural	Transfer Candidate
Local to Regional	Simcoe Street	Brock Concession #14	Regional Highway #48	15.5	31	Rural	Transfer Candidate
Local to Regional	Thorah Concession Road 1	Highway #12/48	Simcoe St.	6.8	13.7	Rural	Transfer Candidate

3.2 Brock staff advised/reminded Regional staff of their current boundary road agreement for Simcoe Street with the City of Kawartha Lakes who would need to be engaged in related transfer discussions.

3.3 Brock staff also expressed specific concerns about implications to their road maintenance obligations in relation to Minimum Maintenance Standards (MMS). In order to advance the Township's further consideration of the three Region-to-Local transfer candidates, the Region has provided additional information including Average Annual Daily Traffic volumes (AADT), MMS Service Class, Pavement Condition Index (PCI), structure conditions, and snow plow routes.

4. Municipality of Clarington

4.1 Table 3 describes the short-term candidates identified in the Municipality of Clarington (Clarington).

Table 3: Clarington – Road Transfer Candidates

Regional Road	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
17	Main Street	Winter Road	Taunton Road	3	6.6	Urban	Transfer Candidate
Local to Regional	Holt Road	Highway #401	Regional Highway #2	3.2	6.3	Rural	Transfer Candidate

Regional Road	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
Local to Regional	Boundary Road	Highway #35	Highway #115	1.8	3.6	Rural	Transfer Candidate

4.2 Clarington staff advised/reminded Regional staff of their current boundary road agreement for Boundary Road with the City of Kawartha Lakes who would need to be engaged in related transfer discussions.

4.3 The Region has provided additional information to Clarington for further consideration of the Main Street transfer, including AADT, MMS Service Class, PCI and structure conditions. Clarington staff will be reporting to their Council on their assessment of the proposed transfers.

5. City of Oshawa

5.1 Table 4 describes the short-term candidates identified in the City of Oshawa (Oshawa).

Table 4: Oshawa – Road Transfer Candidates

Regional Road	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
2	Simcoe St.	Harbour Road	Wentworth Street	1.0	3.6	Urban	Transfer Candidate
3	Winchester Road East/ Grandview Street North	Harmony Road	Columbus Road	2.6	5.7	Urban	Transfer Candidate
35	Wilson Road.	Bloor Street	Taunton Road	6.2	17.7	Urban	Transfer Candidate
52	Boundary Road	Wentworth Street W	Philip Murray Avenue	0.9	2.5	Urban	Transfer Candidate
54	Park Road	Bloor Street	Rossland Road	4.3	15.8	Urban	Transfer Candidate
Local to Regional	Harmony / Columbus Road	Winchester Road	Grandview Street	2.6	5.2	Urban	Transfer Candidate
Local to Regional	King Street (West)	Oshawa/ Whitby Boundary	Centre Street	2.7	11.3	Urban	Transfer Candidate
Local to Regional	Bond Street (West)	King Street	Centre Street	1.8	6.1	Urban	Transfer Candidate
Local to Regional	King Street (East)	Ritson Road North	Townline Road	3.4	14.3	Urban	Transfer Candidate
Local to Regional	Bond St.(East)	Ritson Road North	King Street East	1.7	4.8	Urban	Transfer Candidate

5.2 Oshawa staff advised they will be reporting to their Council acknowledging support in principle for the candidates identified for short-term transfer. It should be noted that as a correction the previously referenced candidate (Region-to-Local) of Townline Road South from Gord Vinson Avenue to Bloor Street (0.25 km in length) in Report #2018-INFO-31 was removed from further discussion as this segment is already in the City's jurisdiction.

6. City of Pickering

6.1 Table 5 describes the short-term candidates identified in the City of Pickering (Pickering).

Table 5: Pickering – Road Transfer Candidates

Regional Road #	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
Previously Reg. Rd. 1	Mowbray Street	North limit of Highway #407	Brock Road	1.3	3.5	Urban	Transfer Candidate
Previously Reg. Rd. 5	9th Concession	Regional Road 5 / Concession Road #9	Lake Ridge Road	0.1	0.2	Urban	Transfer Candidate
24	Church Street	Bayly Street	Pickering/Ajax Boundary	0.9	2	Urban	Transfer Candidate
38	Whites Road	0.6 km South of Oklahoma Drive	Bayly Street	0.9	2.6	Urban	Transfer Candidate
Local to Regional	Third Concession Road	Pickering/Ajax Boundary	West of Valley Farm Road	1.7	3.4	Urban	Transfer Candidate
Local to Regional	Whitevale Road	200m West of Future Rossland Road Extension	Brock Road	1.7	3.4	Urban	Transfer Candidate
Local to Regional	Sideline 26 (South)	Taunton Road	Whitevale Road	2.1	4.1	Urban	Transfer Candidate
Local to Regional	Sideline 26 (Middle)	Whitevale Road	Highway #7	-	-	Urban	Transfer Candidate

6.2 The transfer of Sideline 26 (South) to the Region was approved by Pickering in June 2018. It was also noted that Pickering has drafted a Report to their Council regarding the transfer of Third Concession Road (as per above table) to the Region. To advance discussions, Pickering will be presenting a position paper early next year to the Region on the transfer candidates.

7. Town of Whitby

7.1 Table 6 describes the short-term candidates identified in the Town of Whitby (Whitby).

Table 6: Whitby – Road Transfer Candidates

Regional Road #	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
22	Victoria Street (old alignment)	0.7 km West of Thickson	0.4 km West of Thickson Road	0.3	0.6	Urban	Transfer Candidate ²
43	Cochrane Street	Dundas Street	Rossland Road	2.1	6.1	Urban	Transfer Candidate ¹
45	Henry Street	Victoria Street	Burns Street W	1.2	3.3	Urban	Transfer Candidate ¹
45	Henry Street	Burns Street W	Dundas Street	0.9	2.6	Urban	Transfer Candidate ¹
46	Brock Street	Water Street	Victoria Street	1.0	2.7	Urban	Transfer Candidate ¹
46	Brock Street	Victoria Street	South Limit of Highway #401	0.3	1.5	Urban	Transfer Candidate ¹
Former 23	Lake Ridge Road (North)	Almond Avenue	Cresser Avenue	0.3	0.6	Urban	Transfer Candidate ³
Former 23	Lake Ridge Road (South)	0.65 km N of Victoria Street	0.88 km N of Victoria Street	0.2	0.6	Urban	Transfer Candidate ³
Local to Regional	Rossland Road	Lake Ridge Road	Cochrane Street	2.9	8.9	Urban	Transfer Candidate ¹
Local to Regional	Dundas Street	Fothergill Court	Cochrane Street	5.8	23.2	Urban	Transfer Candidate ¹
Local to Regional	Dundas Street	Garden Street	Whitby/Oshawa Boundary	2.9	14.4	Urban	Transfer Candidate ²

¹ candidates for first phase of transfers

² candidates for second phase of transfers

³ segments are under MTO's ownership/jurisdiction since 2012; to be dealt with through discussions with MTO

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- 7.2 A 2017 staff report to Council by Whitby staff on road rationalization interests provided good guidance for our meetings and discussions. Whitby staff have suggested the candidates identified in that report combined with a few other strategic candidates can be advanced as the first phase of transfers (see footnote 1 in above Table), leaving the other segments that are influenced by pending events (e.g. completion of Victoria Street realignment and planning studies for Bus Rapid Transit on Dundas Street) to a subsequent second phase.
- 7.3 It should be noted that Champlain Avenue from future Stellar Drive to the Whitby/Oshawa Boundary has been revised for reconsideration in the future to match the recommendation for Champlain Avenue in Oshawa.

8. Conclusion and Next Steps

- 8.1 At the staff level, Local Area Municipalities are generally in agreement with the candidates identified for transfer in the short-term in Report #2018-INFO-31. As anticipated, Local Area Municipal staff recognize and acknowledge that the timing for these transfers should take into consideration implementation considerations.
- 8.2 Upon receipt of comments from the participating Local Area Municipalities, specific to their candidates identified for transfer in the short-term, Regional staff will report back on a recommended implementation plan and timeline for the transfers.

9. Attachments

Attachment #1: Information Report #2018-INFO-31 dated March 2, 2018

Respectfully submitted,

Original signed by R. Jagannathan for:

S. Siopis, P.Eng.
Commissioner of Works

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 3540.



The Regional Municipality of Durham Information Report

From: Commissioner of Works
Report: #2018-INFO-31
Date: March 2, 2018

Subject:

Road Rationalization – Interim Report

Recommendation:

Receive for information.

Report:

1. Purpose

1.1 In January 2016, Regional Council authorized staff to retain a consultant to work with Regional and local area municipal staff to undertake a region-wide Road Network Rationalization Study (“Study”) and develop a comprehensive Road Network Rationalization Plan. The consulting firm of HDR was retained to complete the study with direction and oversight provided by means of a joint team consisting of staff from both the Works and Finance Departments. The purpose of this report is to update Regional Council on the Study findings to date and to promote further dialogue between the Region and the Local Area Municipalities with respect to the current status and next steps.

2. Background

2.1 The Regional Municipality of Durham (Region) has been involved in road rationalization reviews through inter-agency discussions since 1997 and the Who Does What (WDW) initiative in 2002. The WDW was a cooperative effort between the Region and Local Area Municipalities (LAMs) that identified roads and/or road sections suitable for transfer.

2.2 Since the WDW initiative a limited number of transfers have been successfully completed.

2.3 The 2016 Transportation Servicing and Financing Study (S&F) identified a preliminary list of Regional and local roads as potential transfer candidates and recommended the Study.

2.4 This report details the objectives, methodology and findings of the Study to date.

3. Study Methodology

3.1 The scope of the Study is outlined below:

- Review and confirm proposed road rationalization criteria as well as Regional and Local Area Municipal road transfer candidates.
- Identify current and future capital as well as the maintenance and operational needs of transfer candidates and related cost estimates.
- Establish a conditional schedule for transfers.

3.2 Guiding principles for the Study were established to define the limitations and assumptions to support the decision-making process. The following principles provided a framework for the study:

- Establish criteria to evaluate the function and character of candidate roads for transfer.
- Conduct a systematic and objective analysis based on 2031 planning and forecast conditions in anticipation of major regional growth.
- Consult with the LAMs throughout the process.

3.3 Collaboration between the Region and LAMs provided regular opportunities for discussion on the Study process, evaluation criteria, potential candidate roads for transfer and draft Study findings.

3.4 Table 1 summarizes the meetings with LAMs. Meetings were supplemented with ongoing email and telephone communications.

Table 1: Consultation Overview

Local Area Municipality	Date	Purpose
Town of Ajax	21-Apr-16	Initial discussions
Town of Ajax	09-May-16	Discussion of preliminary results
Township of Brock	05-May-16	Initial discussions
Township of Brock	17-May-16	Discussion of preliminary results
Municipality of Clarington	27-Apr-16	Initial discussions
Municipality of Clarington	20-May-16	Discussion of preliminary results
City of Oshawa	21-Apr-16	Initial discussions
City of Oshawa	10-May-16	Discussion of preliminary results
City of Pickering	18-Apr-16	Initial discussions
City of Pickering	11-May-16	Discussion of preliminary results
Township of Scugog	20-Apr-16	Initial discussions
Township of Scugog	17-May-16	Discussion of preliminary results
Township of Uxbridge	20-Apr-16	Initial discussions. Subsequently indicated no further interest in transfers
Town of Whitby	26-Apr-16	Initial discussions
Town of Whitby	06-May-16	Discussion of preliminary results

-
- 3.5 An initial list of candidate roads for transfer from local to Regional jurisdiction and from Regional to local jurisdiction was sourced from the 2016 Transportation S&F Study report. Through consultations with the LAMs, new road transfer candidates were identified and added to the list. The resulting road transfer candidates are discussed later in this report.
- 3.6 Information sources from the Region and LAMs included:
- Official Plans and staff reports
 - Road characteristics and condition reports
 - Bridge and culvert inspection reports
 - Storm sewer network maps
 - Pavement management system bench mark costs
 - 2016 Transportation S&F Study report
 - Presentation from Regional Council education session on road rationalization (April, 2011)
 - Capital project and maintenance budgets
 - Life cycle cost estimates (where available)
 - Development charge background studies
- 3.7 The Region's Transportation Model was used to forecast future traffic volumes and determine trip type attributed to the proposed road transfer candidates.

4. Criteria

- 4.1 The road rationalization process is supported by a set of criteria that describe the role and function of the road within the context of the overall network, growth management, and support for economic growth throughout the Region. These criteria, described below, were subsequently confirmed through the recent approval of the Transportation Master Plan (Section 6.4.3. – Regional Road Definition).
- 4.2 Draft evaluation criteria were shared with the LAMs to obtain comments and suggestions. Based on input received, the evaluation criteria were revised. Transfer candidates were evaluated on a scale from 0 to 10, with 0 representing complete local function and character and 10 representing complete regional function and character. Each criterion is discussed in more detail below.
- a) Road segment connects with provincial and/or inter-regional network
- One of the most important functions of a Regional road is to provide regional and inter-regional connectivity. Therefore, the road transfer candidate's connectivity to the provincial or inter-regional road network was considered to be an important criterion in assessing the road function.

-
- The road transfer candidate's level of connectivity to the current and future provincial/inter-regional highway networks (2031 conditions, considering the Highway 407 ETR extension project) formed the basis of scoring this criterion.
 - b) Road segment carries high volume of inter-municipal and regional traffic
 - Another criterion relating to a road transfer candidate's significance in providing regional connectivity is the extent and magnitude of inter-municipal and inter-regional travel that it accommodates. This was determined by running select link assignments for each road transfer candidate using the Durham Regional Transportation Model.
 - c) Road segment attracts significantly higher volumes of traffic than adjacent roads
 - The relative volume of road transfer candidates to parallel roads (typically within 3 km) of similar character and/or function was also used as a criterion in the scoring system (using the Durham Regional Transportation Model). The logic behind this criterion relates to facilitating one route through an area to a regional standard (speed, volume, access control) and have local parallel roads serving local or intra-municipal traffic.
 - d) Road segment's level of access control
 - Considering that Regional roads tend to carry higher volumes and allow higher speed limits than local roads, they typically require higher levels of access control. A candidate road's level of access control was considered to be another criterion in the scoring system. The Region's Official Plan (OP) which outlines the network's future road classifications was used to assess expected levels of access control.
 - e) Road segment supports regional goods movement/aggregate hauling network
 - Another important function of Regional roads is the movement of goods, as goods movement travel tends to be of a regional and inter-regional nature. Whether a road segment is well-positioned to accommodate goods movement travel was considered to be a criterion in the scoring system. The Regional OP's Strategic Goods Movement Network and the Regional Structure which indicates major employment areas was utilized for this assessment.
 - f) Road segment supports major transit route and/or planned rapid transit route

- In light of the Region's Long Term Transit Strategy (LTTS) which aims to achieve a transportation system that is focused on rapid transit to provide excellent connections between the Region's municipalities and neighboring municipalities, corridors were scored based on the level of support for these significant transit routes.
- g) Road segment supports region-wide economic and growth objectives
- Roads providing access to regional and urban growth centres are expected to experience higher traffic volumes. The provision of access to such areas by road transfer candidates was also considered to be a criterion.
- h) Road segment affects corridor planning or planning of downtowns or mature urban areas
- This criterion was identified as a result of consulting with LAMs.
- During consultation sessions with LAMs, concerns were raised regarding the ability to plan and achieve a downtown vision should a road segment currently serving a downtown area be transferred to the Region. This applied in particular to Highway 2 in downtown Whitby, Oshawa, Bowmanville, and Newcastle. As a result this criterion was added.
- i) Road segment's environmental and community impact due to change in road function
- Similarly, this criterion was added to the list as a result of consultation with LAMs to reflect concerns of environmental and/or community impacts that could result from a local to Regional transfer. Such impacts might include higher traffic volumes, increased truck traffic, and/or the need for road widening (which can have negative impacts on existing homes and environmental features).

5. Road Transfer Candidate Evaluation

- 5.1 The product of the criteria evaluations resulted in a final overall score between 0 and 10 for each road candidate. Overall scores in the low end of the range (for example, 0 to 3) represent roads with strong local function and character, while scores in the high end of the range represent roads with strong Regional function and character.

5.2 The consultations with LAMs confirmed the need to distinguish road transfer candidates between those in urban areas and those in rural areas of the Region.

- **Urban area road candidates** – For roads in urban areas, all nine criteria apply, resulting in scores as high as 10 for those candidates with the highest potential as Regional roads. Strong local road candidates for transfer to the Region scored in the high end of the 0 to 10 range (for example, from 7 to 10).
- **Rural area road candidates** – For roads in rural areas Criteria # 5, 6 and 7 generally do not apply resulting in scores for road transfer candidates being capped around 7. Scores for strong local rural road candidates for transfer to the Region, therefore, are in the high end of the 0 to 7 range (for example, 5 to 7).

5.3 The above criteria and thresholds capture the technical aspects of a road's function and character. The results of the analysis are summarized below by LAM (in alphabetical order). The criteria and thresholds provide a good indication of candidates for jurisdictional transfer on the basis of sound transportation planning principles. It is however recognized that non-technical considerations (e.g. financial impacts, resource constraints, etc.) will influence the final recommendations and the timing of potential transfers.

6. Town of Ajax – Road Transfer Candidates

6.1 Table 2 details the road transfer candidates and preliminary recommendations in the Town of Ajax based on the evaluation.

Table 2: Ajax – Evaluation of Road Transfer Candidates

Regional Road #	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
31	Westney Road	Harwood Avenue	Bayly Street	2.7	9.5	Urban	Transfer Candidate
Local to Regional	Rossland Road	Ajax/ Pickering Boundary	Ajax/ Whitby Boundary	7.2	14.3	Urban	Transfer Candidate
Local to Regional	Salem Road	Taunton Rd	Ajax/ Pickering Boundary	2.1	4.2	Urban	No transfer, reconsider in the future

6.2 Region to Local Transfer

- **Westney Road (Harwood Avenue to Bayly Street)** – Recommended for transfer to Town of Ajax. This segment of Westney Road does not connect Regional roads and does not provide a Regional function.

6.3 Local To Region Transfer

- **Rossland Road (Ajax/Pickering boundary to Ajax/Whitby boundary)** Recommended for transfer from the Town of Ajax to Regional jurisdiction. Rossland Road through Ajax is part of an important east-west arterial across southern Durham Region and, as such, functions as a key Regional east-west arterial road
- Rossland Road is part of the Town's Pedestrian and Bicycle Master Plan. Accommodation of future cycling facilities needs consideration if Rossland Road is transferred to the Region.
- **Salem Road (Taunton Road to Ajax/Pickering boundary)** – Not recommended for transfer at this time from the Town of Ajax to the Region. The justification for transfer can be re-evaluated during a future road rationalization review and may be dependent on a future 407 interchange.

7. Brock Township – Road Transfer Candidates

7.1 Table 3 details the road transfer candidates and preliminary recommendations in the Township of Brock based on the evaluation.

Table 3: Brock Township – Evaluation of Road Transfer Candidates

Regional Road	Roads	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
47	Shoreline Road	23-Mara Road	Simcoe/ Durham Boundary	2.1	4.3	Rural	Transfer Candidate
50	Portage Road	Highway #12	76- Highway #48	4.3	8.8	Rural	Transfer Candidate
51	Old Highway 12	50-Portage Road	Simcoe/ Durham Boundary	0.1	0.2	Rural	Transfer Candidate
Local to Regional	Simcoe Street	Brock Concession 14	Regional Highway 48	15.5	31	Rural	Transfer Candidate
Local to Regional	Thorah Concession	Highway 12/48	Simcoe St.	6.8	13.7	Rural	Transfer Candidate

Regional Road	Roads	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
	1						
Local to Regional	River Road (extension)	Highway 12	Highway 2	7.1	14.2	Rural	No transfer

7.2 Region To Local Transfer

- **Shoreline Road (Regional Road 57 between Mara Road and Simcoe/Durham boundary)** – Recommended for transfer from the Region to Brock Township, reflecting its local function.
- **Portage Road (Regional Road 50 between Highway 12 and Highway 48)** – Recommended for transfer to Brock Township, reflecting its local function.
- **Old Highway 12 (Regional Road 51 between Portage Road and Simcoe/Durham boundary)** – Recommended for transfer to Brock Township, reflecting its local function.

The Township expressed concern with the maintenance and capital costs associated with any additional lane kilometres and made specific comment on the ability to deal with the capital needs of the structures within these road segments.

7.3 Local To Region Transfer

- **Simcoe Street (between Brock Concession 14 and Highway 48)** – Recommended for transfer from Brock Township to the Region. Simcoe Street south of Concession 14 is already under Regional jurisdiction. The transfer of the segment of Simcoe Street between Concession 14 and Highway 48 would provide a continuous north-south Regional route to Highway 48.
- Brock Township currently has a boundary agreement for Simcoe Street with Kawartha Lakes, and that Kawartha Lakes would therefore have to be part of the discussion if the Simcoe Street segment is to be transferred to the Region.
- **Thorah Concession 1 (between Highway 12/48 and Simcoe Street)** – Recommended for transfer from Brock Township to the Region, either now or after a future road rationalization review. It is a candidate for transfer to Regional jurisdiction, as it is a continuation of Highway 48 to Simcoe Street, is classified as a Type B Arterial in the Regional Official Plan, and would provide an alternative route for traffic to bypass. There are significant costs associated with both Simcoe Street and Thorah Concession 1 to Regional standard.
- **River Road extension from Highway 12 to Simcoe Street** – Not recommended for transfer from Brock Township to Regional jurisdiction, as its low score reflects a local function.

8. Municipality of Clarington – Road Transfer Candidates

8.1 Table 4 details the road transfer candidates and preliminary recommendations in the Municipality of Clarington based on the evaluation.

Table 4: Clarington – Evaluation of Road Transfer Candidates

Regional Road	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
17	Main Street/ Manvers Street	Winter Road	04-Taunton Road	3	6.6	Urban	Transfer Candidate
Local to Regional	Pebblestone Road	Townline Road	Courtice Road	2.9	5.7	Urban	No transfer, reconsider in the future
Local to Regional	Holt Road	Highway 401	Regional Highway 2	3.2	6.3	Rural	Transfer Candidate
Local to Regional	King Street (Bowmanville)	Regional Road 57	Haines St.	3.1	12.4	Urban	No transfer, reconsider in the future
Local to Regional	King Street (Newcastle)	Baldwin Street	Arthur St.	0.8	3.2	Urban	No transfer
Local to Regional	Darlington Clarke Townline (#2)	Taunton Road	Future Highway 407 Interchange	2.0	4.0	Rural	No transfer, reconsider in the future
Local to Regional	Boundary Road	Highway 35	Highway 115	1.8	3.6	Rural	Transfer Candidate
Local to Regional	Trulls Road	Taunton Road	Bloor St	6.4	12.8	Urban	No transfer

8.2 Region To Local Transfer

- Main Street / Manvers Street (Regional Road 17 from Winter Road to Taunton Road)** – Recommended for transfer to the Municipality of Clarington. This road is serving a local function. Under local jurisdiction, there would be a greater ability to achieve a “downtown” vision.

8.3 Local To Region Transfer

- **Holt Road (from Highway 401 to Highway 2)** – Recommended for transfer from the Municipality of Clarington to Regional jurisdiction. With its existing Highway 401 interchange, Holt Road serves a Regional function, connecting Highway 401 with Highway 2, as well as serving Darlington Nuclear Generating Station.
- **Boundary Road (between Highway 35 and Highway 115)** – Recommended for transfer from the Municipality of Clarington to Regional jurisdiction. It has a Regional function in connecting these two provincial highways. The Municipality of Clarington currently has a boundary agreement for Boundary Road with Kawartha Lakes; Kawartha Lakes would therefore have to be part of the discussion if this road segment is to be transferred to the Region.
- **King Street in Bowmanville (between Regional Road 57 and Haines Street)** – Not recommended for transfer at this time. The impetus for transfer to Regional jurisdiction may be future enhanced transit service on Highway 2 extending to downtown Bowmanville. Since enhanced transit is a long-term initiative, there is less need for transfer at this time.
- The Municipality expressed concerns about transferring downtown King Street to the Region, considering the various streetscaping and visioning plans for the downtown, as well as seasonal road closures that the Municipality implements for community events.
- In future road rationalization reviews, consideration should be given to segmenting this part of King Street to distinguish the downtown core (between Scugog Street and Liberty Street), so that future reviews can separately evaluate the portions of King Street west and east of downtown Bowmanville, as well as downtown Bowmanville.
- **Darlington-Clarke Townline (from Taunton Road to future Highway 407 interchange)** – Not recommended for transfer at this time. It should be reconsidered during a future road rationalization review.

The remaining candidates are not recommended for transfer from local to Regional jurisdiction. Future road rationalization reviews may revisit these and other candidates as needed.

9. City of Oshawa – Road Transfer Candidates

9.1 Table 5 details the road transfer candidates and preliminary recommendations in the City of Oshawa based on the evaluation.

Table 5: Oshawa – Evaluation of Road Transfer Candidates

Regional Road	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
2	Simcoe St.	Harbour Road	60 Wentworth Street	1.0	3.6	Urban	Transfer Candidate
3	Winchester Road East/ Grandview Street North	33-Harmony Road	Columbus Road	2.6	5.7	Urban	Transfer Candidate
16	Ritson Road	60-Wentworth Street	22-Bloor Street	0.8	3.6	Urban	No transfer, reconsider in the future
35	Wilson Road.	22-Bloor Street	Taunton Road	6.2	17.7	Urban	Transfer Candidate
54	Park Road	22-Bloor Street	28-Rossland Road	4.3	15.8	Urban	Transfer Candidate
25	Champlain Avenue	Oshawa/ Whitby Boundary	Stevenson Road	1.3	2.6	Urban	No transfer, reconsider in the future
52	Boundary Road	Wentworth Street W	Philip Murray Avenue	0.9	2.5	Urban	Transfer Candidate
55	Townline Road South	Gord Vinson Avenue	Bloor Street	0.25	0.5	Urban	Transfer Candidate
Local to Regional	Harmony / Columbus Road	Winchester Road	Grandview Street	2.6	5.2	Urban	Transfer Candidate
Local to Regional	Adelaide Avenue	Oshawa/ Whitby Boundary	Thornton Road	0.01	0.1	Urban	No transfer, reconsider in the future
Local to Regional	Rossland Road	Harmony Road	300m East of Harmony	0.3	0.9	Urban	No transfer, reconsider in the

Regional Road	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
			Road				future
Local to Regional	King Street (West)	Oshawa/Whitby Boundary	Centre Street	2.7	11.3	Urban	Transfer Candidate
Local to Regional	Bond Street (West)	King Street	Centre Street	1.8	6.1	Urban	Transfer Candidate
Local to Regional	King Street (Middle)	Centre Street	Ritson Road North	1	4	Urban	No transfer, reconsider in the future
Local to Regional	Bond Street (Middle)	Centre Street	Ritson Road North	1.1	4.1	Urban	No transfer, reconsider in the future
Local to Regional	King Street (East)	Ritson Road North	Townline Road	3.4	14.3	Urban	Transfer Candidate
Local to Regional	Bond St.(East)	Ritson Road North	King Street East	1.7	4.8	Urban	Transfer Candidate
Local to Regional	Thornton Road (new alignment)	Taunton Road	Winchester Road	4.2	8.4	Urban	No transfer, reconsider in the future

9.2 Region To Local Transfers

- **Simcoe Street (Regional Road 2 from Harbour Road to Wentworth Street)** – Recommended for transfer to the City of Oshawa, reflecting its local function and character.
- **Winchester Road (Regional Road 3) and Grandview (from Harmony Road to Columbus Road)** – Recommended for transfer to the City of Oshawa, reflecting their local function and character. This transfer from the Region to the City would mirror the transfer of Harmony Road and Columbus Road from the City to the Region.
- **Wilson Road (Regional Road 35 from Bloor Street to Taunton Road)** – Recommended for transfer to the City of Oshawa, reflecting its local function and character.
- **Park Road (Regional Road 54 from Bloor Street to Rossland Road)** – Recommended for transfer from the Region to the City of Oshawa, reflecting its local function since the deletion of the Highway 401 interchange.

- **Boundary Road (Regional Road 52 from Wentworth Street to Philip Murray Avenue)** – Recommended for transfer to the City of Oshawa. This short stub does not serve a Regional function. If this road is transferred to local jurisdiction, then it may be subject to a boundary agreement between the City of Oshawa and the Town of Whitby.
- **Townline Road (Regional Road 55 from Gord Vinson Avenue to Bloor Street)** – Recommended for transfer to the City of Oshawa, reflecting its local function, especially with the realignment of Bloor Street. If this road is transferred to local jurisdiction, then it may be subject to a boundary agreement between the City of Oshawa and the Municipality of Clarington.
- **Ritson Road (Regional Road 16 from Wentworth Street to Bloor Street)** – Not recommended for transfer. Although it has received a relatively low evaluation score, Ritson Road provides the only grade-separated crossing of the CN mainline between Simcoe Street (Regional Road 2) and Farewell Street (Regional Road 56). It is recognized that the numerous driveways on this part of Ritson Road (similar to other parts of Ritson Road) detract from its Regional function. It can be reconsidered in the future as a candidate for transfer.
- **Champlain Avenue (Regional Road 25 from Whitby/Oshawa Boundary to Stevenson Road)** – Not recommended for transfer but should be reconsidered during a future road rationalization review.

9.3 Local To Region Transfers

- **Harmony Road / Columbus Road (from Winchester Road to Grandview Street)** – Recommended for transfer from the City of Oshawa to Regional jurisdiction. Despite its low score, this portion of Harmony Road is a continuation of Regional Road 33 and has an interchange with Highway 407, while Columbus Road is a continuation of Regional Road 3 connecting with Harmony Road. This transfer from the City to the Region would mirror the transfer of Winchester Road and Grandview Street from the Region to the City.
- **King Street and Bond Street** – The City of Oshawa outlined its planning and urban design goals for King Street and Bond Street through downtown Oshawa, and its desire to lead the planning efforts for these two streets. From the Region's perspective, King Street and Bond Street are an important part of the Long-Term Transit Strategy for Durham Region, as they are planned to support high order transit service. Through the consultation process with the City, King Street and Bond Street were divided into three segments for evaluation purposes:
 - (a) **King Street and Bond Street (from Whitby/Oshawa boundary to Centre Street)** – Recommended for transfer from the City to Regional jurisdiction, reflecting their importance as east-west arterials and planned high order transit corridor.
 - (b) **King Street and Bond Street (from Centre Street to Ritson Road)** – Not recommended for transfer from the City to the Region. Can be reconsidered in a future road rationalization review.

- (c) **King Street and Bond Street (from Ritson Road to Townline Road)**
– Recommended for transfer from the City to Regional jurisdiction, reflecting their importance as important east-west arterials and planned high order transit routes.
- **Thornton Road (from Taunton Road to Winchester Road)** – Not recommended for transfer but should be reconsidered during a future road rationalization review after the deferred 407ETR interchange is implemented.
 - **Adelaide Avenue (from Oshawa/Whitby Boundary to Thornton Road)**
– Not recommended for transfer but should be reconsidered in conjunction with the construction of the Manning/Adelaide interconnection.
 - **Rossland Road (from Harmony Road to 300 m east of Harmony Road)**
– Not recommended for transfer but should be reconsidered in conjunction with the construction of the Rossland Road extension to Townline Road.

10. City of Pickering – Road Transfer Candidates

10.1 Table 6 details the road transfer candidates and preliminary recommendations in the City of Pickering based on the evaluation.

Table 6: Pickering – Evaluation of Road Transfer Candidates

Regional Road #	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
Previously RR1	Mowbray Street	North Limit of Highway 407	Brock Road	1.3	3.5	Urban	Transfer Candidate
5	9th Concession	Concession Road 9	Lake Ridge Road	0.1	0.2	Urban	Transfer Candidate
24	Church Street	22-Bayly Street	Ajax/ Pickering Boundary	0.9	2	Urban	Transfer Candidate
38	Whites Road (South)	0.6 km South of Oklahoma Drive	22-Bayly Street	0.9	2.6	Urban	Transfer Candidate
38	Whites Road (North)	300 m North of Third Concession Road	Taunton Road	1.3	4.4	Urban	No transfer, reconsider in the future
29	Liverpool Rd	Highway 2	Finch Avenue	1.2	3.9	Urban	No transfer

Regional Road #	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
Local to Regional	Third Concession Road	Ajax/ Pickering Boundary	West of Valley Farm Road	1.7	3.4	Urban	Transfer Candidate
Local to Regional	Whitevale Road	200m West of Future Rosland Road Extension	Brock Road	1.7	3.4	Urban	Transfer Candidate
Local to Regional	Sideline 26 (South)	Taunton Road	Whitevale Road	2.1	4.1	Urban	Transfer Candidate
Local to Regional	Sideline 26 (Middle)	Whitevale Road	Highway 7	-	-	Urban	Transfer Candidate
Local to Regional	Sideline 26 (North)	Highway 7	Concession Road 7	2.2	4.4	Urban	No transfer
Local to Regional	Seventh Concession Rd. (East)	Westney Road	Lake Ridge Road	4	8	Urban	No transfer, reconsider in the future
Local to Regional	Seventh Concession Rd. (West)	Sideline 26	Brock Road	3.3	6.6	Urban	No transfer
Local to Regional	Salem Road	Fifth Concession Road	Seventh Concession Road	5.2	10.4	Urban	No transfer, reconsider in the future

10.2 Region To Local Transfer

- **Mowbray Street (from north limit of 407 to Brock Road)** – Recommended for transfer from the Region to the City of Pickering. No longer part of Brock Road.
- **9th Concession (from 9th Concession to Lake Ridge Road)** – Recommended for transfer to the City of Pickering. This short section is no longer part of Regional Road 5.

- **Church Street (Regional Road 24 from Bayly Street to Ajax/Pickering boundary)** – Recommended for transfer to the City of Pickering. It has a local function and is only a short segment of Regional Road. Should the Durham Live proposal require a partial interchange at Highway 401, this could be reconsidered.
- **Whites Road (south) (Regional Road 38 from 600 m south of Oklahoma Drive to Bayly Street)** – Recommended for transfer to the City of Pickering. It has a local function and terminates within a neighborhood.
- **Whites Road (north) (Regional Road 38 from 300 north of Third Concession to Taunton Road)** – Not recommended for transfer to the City. After the new Whites Road is constructed, it may continue to function as a key route from south Pickering to Toronto and York Region. This segment may be a possible candidate for future road rationalization, contingent on lower traffic volumes.
- **Liverpool Road (Regional Road 29 from Highway 2 to Finch Avenue)** – Not recommended for transfer to the City. Its Regional function is enhanced by its interchange with Highway 401 and its access to the Pickering Urban Growth Centre.

10.3 Local To Region Transfer

- **Third Concession (from west of Valley Farm Road to Ajax/Pickering boundary)** – Recommended for transfer from the City of Pickering to the Region. Third Concession is the extension of Rossland Road and will be an important arterial to serve the Seaton Community.
- **Whitevale Road (from 200 west of future Rossland Road Extension to Brock Road)** – Recommended for transfer from the City of Pickering to the Region. It will be an important east-west arterial serving the Seaton Community.
- **Sideline 26 (south) (from Taunton Road to Whitevale Road)** – Recommended for transfer from the City of Pickering to the Region. It will be part of the future Whites Road extension (Regional Road 38) serving the Seaton Community.
- **Sideline 26 (middle) (from Whitevale Road to Highway 7)** – Recommended for transfer from the City of Pickering to the Region. It will be part of the future Whites Road extension (Regional Road 38) serving the Seaton Community. This section is currently unopened road allowance.
- **Sideline 26 (north) (from Highway 7 to Concession Road 7)** – Not recommended for transfer from the City to the Region. It is located in the future Pickering Airport lands.
- **Seventh Concession (from Westney Road to Lake Ridge Road)** – Not recommended for transfer from the City of Pickering to the Region. Should be re-examined in a future road rationalization study, after the deferred 407ETR interchange is constructed.

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- **Seventh Concession (from Sideline 26 to Brock Road)** – Not recommended for transfer from the City to the Region. It is located in the future Pickering Airport lands.
- **Salem Road (from Fifth Concession to Seventh Concession)** – Not recommended for transfer at this time from the City to the Region. Should be re-examined in a future road rationalization study, after the deferred 407ETR interchange is constructed.

11. Township of Scugog – Road Transfer Candidates

11.1 Table 7 details the road transfer candidates and preliminary recommendations in the Township of Scugog based on the evaluation.

11.2 Table 7: Scugog – Evaluation of Road Transfer Candidates

Regional Road	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
7	Island Road	Highway #7A	Carnegie Beach Road	11.6	24.1	Rural	Transfer Candidate
Local to Regional	Scugog Line 12	23-Lake Ridge Road	Simcoe Street	13.4	26.8	Rural	No transfer
Local to Regional	Scugog Line 14	23-Lake Ridge Road	Highway 7/12	6.7	13.4	Rural	No transfer
Local to Regional	Ashburn Road	Townline Road	Scugog Line 4	5	10.1	Rural	No transfer
Local to Regional	Marsh Hill Road	Scugog Line 4	21-Goodwood Road	1.1	2.3	Rural	No transfer
Local to Regional	Scugog Line 6	Highway 7A	23-Lake Ridge Road	9.6	19.2	Rural	No transfer
Local to Regional	Scugog Line 2	Highway 7/12	Simcoe Street	3.6	7.2	Rural	No transfer, reconsider in the future

11.3 Region To Local Transfers

- **Island Road (Regional Road 7 from Highway 7A to Carnegie Beach Road)** – Recommended for transfer to the Township of Scugog. Island Road does not serve a Regional function.

Similar to comments from other municipalities, Scugog staff expressed concern with the maintenance and capital costs associated with taking on additional lane kilometres.

11.4 Local To Region Transfers

- There are no candidates recommended for transfer from the Township of Scugog to the Region.
- Scugog Line 6 (from Highway 7A to Lake Ridge Road) has the potential to function as a Regional Road, however, it is adjacent to major Regional Roads on each side (Reach Street or Regional Road 8 and Goodwood Road or Regional Road 21), and it would therefore be redundant.
- Scugog Line 2 (from Highway 7/12 to Simcoe Street) has the potential to be a continuation of Shirley Road (Regional Road 19) could be reconsidered as a candidate for transfer from the Township to the Region in a future road rationalization review.

12. Town of Whitby – Road Transfer Candidates

12.1 Table 8 details the road transfer candidates and preliminary recommendations in the Town of Whitby based on the evaluation.

Table 8: Whitby – Evaluation of Road Transfer Candidates

Regional Road #	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
22	Victoria Street (old alignment)	0.7 km West of 26-Thickson	0.4 km West of 26-Thickson Road	0.3	0.6	Urban	Transfer Candidate
43	Cochrane Street	Dundas Street	28-Rossland Road	2.1	6.1	Urban	Transfer Candidate
45	Henry Street (South)	22-Victoria Street	Burns Street W	1.2	3.3	Urban	Transfer Candidate
45	Henry Street (North)	Burns Street W	Dundas Street	0.9	2.6	Urban	Transfer Candidate
46	Brock Street (South)	Water Street	Victoria Street	1	2.7	Urban	Transfer Candidate
46	Brock Street (North)	Victoria Street	South Limit of Highway 401	0.3	1.5	Urban	Transfer Candidate
Former 23	Lake Ridge Road (North)	Almond Avenue	Cresser Avenue	0.3	0.6	Urban	Transfer Candidate

Regional Road #	Road	From	To	Length (km)	Lane (km)	Urban/Rural Area	Preliminary Recommendation
Former 23	Lake Ridge Road (South)	0.65 km N of Victoria Street	0.880 km N of Victoria Street	0.2	0.6	Urban	Transfer Candidate
36	Anderson/Hopkins Street	Rossland Road	Consumers Drive	3.7	13.7	Urban	No transfer
26	Thickson Road	Victoria Street	Wentworth St Whitby/	0.9	3.3	Urban	No transfer
60	Wentworth Street	Thickson Road	Oshawa Boundary	1.3	6	Urban	No transfer
25	Champlain Avenue	Future Champlain Ave.	Whitby/Oshawa Boundary	1.3	3.1	Urban	No transfer
58	Manning Road	Brock Street	Garrard Road	3.5	16	Urban	No transfer, reconsider in the future
Local to Regional	Rossland Road	Ajax/Whitby Boundary	Cochrane Street	2.9	8.9	Urban	Transfer Candidate
Local to Regional	Dundas Street (West)	Fothergill Court	Cochrane Street	5.8	23.2	Urban	Transfer Candidate
Local to Regional	Dundas Street (Middle)	Cochrane Street	Garden Street	1.7	6.7	Urban	No transfer, reconsider in the future
Local to Regional	Dundas Street (East)	Garden Street	Whitby/Oshawa Boundary	2.9	14.4	Urban	Transfer Candidate
Local to Regional	Columbus Road	Whitby/Pickering Boundary	Whitby/Oshawa Boundary	7.4	14.7	Urban	No transfer, reconsider in the future
Local to Regional	Hopkins Street (2031 road extension scenario)	Consumers Drive	North limit of Highway 401	1.8	4	Urban	No transfer, reconsider in the future

12.2 Region To Local Transfers

- **Victoria Street (old alignment west of Thicksen Road)** – Recommended for transfer to the Town of Whitby, as it will be replaced by the new alignment of Victoria Street.
- **Cochrane Street (Regional Road 43 from Dundas Street to Rossland Road)** – Recommended for transfer to the Town of Whitby, reflecting its local function and character.
- **Henry Street (Regional Road 45 from Victoria Street to Burns Street)** – Recommended for transfer to the Town of Whitby. This short section of Regional road has a local function and character.
- **Henry Street (Regional Road 45 from Burns Street to Dundas Street)** – Recommended for transfer to the Town of Whitby. This short section of Regional road has a local function and character.
- **Brock Street (Regional Road 46 from Water Street to Victoria Street)** – Recommended for transfer to the Town of Whitby. This short section of Brock Street has a local function in the Port of Whitby area.
- **Brock Street (Regional Road 46 from Victoria Street to South Limit of Highway 401)** – This is an extremely short segment of road and thus should be considered for transfer to the Town of Whitby for practical reasons if the transfer of the southern portion of Brock Street is implemented.
- **Former Lake Ridge Road (north and south segments; Almond Avenue to Cresser Avenue; north of Victoria Street)** – Recommended for transfer to the Town of Whitby, as they have local function and character.
- **Manning Road (Regional Road 58 from Brock Street to Garrard Road)** – This segment is not recommended for transfer to the Town of Whitby, but it should be re-examined in a future road rationalization study.

No other roads are recommended for transfer from the Region to the Town of Whitby.

12.3 Local To Region Transfers

- **Rossland Road (from Ajax/Whitby boundary to Cochrane Street)** – Recommended for transfer from the Town of Whitby to the Region. Rossland Road is an important east-west arterial serving southern Durham Region.
- **Dundas Street** – The Town of Whitby has advanced planning and urban design goals for Dundas Street through downtown Whitby, and has expressed its desire to manage the planning and design efforts for Dundas Street. From the Region's perspective, Dundas Street is an important part of the Long-Term Transit Strategy, as it is planned to support high order transit service. For the purpose of this analysis and based on consultation with the Town, Dundas Street was divided into three segments:

- (a) **Dundas Street (from Fothergill Court to Cochrane Street)** – Recommended for transfer from the Town of Whitby to the Region, reflecting its importance as an east-west arterial and high order transit corridor.
- (b) **Dundas Street (from Cochrane Street to Garden Street)** – Not recommended for transfer at this time, as the segment traverses Town’s downtown core. The transfer opportunity should be re-examined in a future road rationalization review.
- (c) **Dundas Street (from Garden Street to Whitby/Oshawa boundary)** Recommended for transfer from the Town of Whitby to the Region, reflecting its importance as an east-west arterial and high order transit corridor.

13. Current Status and Next Steps

- 13.1 As noted earlier in this report, there were two rounds of meetings and ongoing communications with the LAMs to facilitate the sharing of information, including:
 - refinement of the criteria;
 - preliminary evaluation results;
 - structure condition data;
 - confirmation of road condition data; and
 - annual maintenance costs and capital needs.
- 13.2 Technical evaluations of road segments identified through discussions with the LAMs using the criteria described earlier in this report have resulted in the list of roads for potential transfer.
- 13.3 Several LAMs have expressed an interest in pursuing transfer opportunities for specific road segments consistent with the candidates list developed through this process. However, the possible transfer opportunities in each municipality have unique considerations and will require further discussion to determine all of the specifics related to the possible transfer opportunities.
- 13.4 It is recognized that the timing of potential transfers could be influenced by resourcing implications. The allocation of staff, equipment and funding are all considerations that may impact the timing of a transfer. A phased in approach that allows for funding and resources to be allocated may be appropriate in specific situations. In other situations transfers in the near future may be appropriate.
- 13.5 It is anticipated that each LAM will review and respond with comments, specific to the preliminary recommendations for each of the road segments identified in the report to allow for focus on early transfer opportunities for transfers.
- 13.6 Upon receipt of comments regarding the road transfer candidates from the LAMs, staff will report back on progress made for potential near term transfers and next steps for a phased approach on future transfers.

- 13.7 As a longer term principle, the list of potential road transfers will be reviewed on a regular basis (i.e. every five years) recognizing that there will be changing conditions and circumstances such as future planning applications.

14. Conclusion

- 14.1 To date, open dialogue with the LAMs has resulted in the sharing of detailed information requesting potential road transfers, collaboration on evaluation criteria that respects the various and unique characteristics of some road segments and a mutual understanding of concerns in specific situations. The process to date has provided the basis for continued dialogue on specific near term transfers as well as the development of a plan for phasing in the longer term transfers.

Respectfully submitted,

Original signed by

S. Siopis, P.Eng.
Commissioner of Works

Original signed by

G.H. Cubitt, MSW
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