



CITY OF KINGSTON
REPORT TO COUNCIL

Report No.: 12-065

TO: Mayor and Members of Council
FROM: Jim Keech, President and CEO, Utilities Kingston
RESOURCE STAFF: Mark Van Buren, Director of Engineering
DATE OF MEETING: January 24, 2012
SUBJECT: Reductions in Posted Speed Limits – Various areas

EXECUTIVE SUMMARY:

In accordance with the City's "Guidelines for Establishing Posted Speed Limits", the posted speed limit will be reduced on 38 roads in the City. Thirty-four of these roads are north of the 401, in the rural areas of the City. In the rural areas, there are numerous roadways with significant residential developments, numerous sharp curves or narrow pavement widths, where the existing speed limit of 80 km/h is too high. The installation of new speed limit signage is expected to begin in the spring of 2012. Annual assessments for appropriate speed limits will be on-going for both the urban and rural areas of the City until all necessary roadways have been assessed. When posted speed limits are changed on any roadway in the City, the Kingston Police Force will be informed such that additional enforcement can be considered.

RECOMMENDATION:

THAT City Council amend By-Law No. 2003-209, "A By-Law For Regulating Traffic in the Highways Of The City of Kingston, Subject To The Provisions Of The Highway Traffic Act" as amended, in order to reduce the posted speed limit on various roadways as described in the attached by-law.

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AUTHORIZING SIGNATURES:

ORIGINAL SIGNED BY PRESIDENT & CEO, UTILITIES KINGSTON Jim Keech, President and CEO, Utilities Kingston
ORIGINAL SIGNED BY CHIEF ADMINISTRATIVE OFFICER Gerard Hunt, Chief Administrative Officer

CONSULTATION WITH THE FOLLOWING COMMISSIONERS:

Cynthia Beach, <i>Sustainability & Growth</i>	N/R
Lanie Hurdle, <i>Community Services</i>	N/R
Denis Leger, <i>Transportation, Properties & Emergency Services</i>	N/R

(N/R indicates consultation not required)

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OPTIONS/DISCUSSION:

The “*Guidelines for Establishing Posted Speed Limits*”, endorsed by Council in the fall of 2011, were created to provide a framework to standardize posted speed limits within the City of Kingston. These Guidelines outline methodologies to be utilized in the City to establish appropriate posted limits in urban and rural areas as well as in school zones. The intent of the Guidelines is to *reduce* posted speed limits where necessary, not to increase posted speed limits.

Within the urban areas of the City south of Highway 401, the Guidelines were used to assess roadways with an existing posted speed limit of 60 km/h or greater. Urban roads with speed limits of 50 km/h or less will not be considered for speed limit reductions in the context of the Guidelines unless within a school zone.

In the rural areas of the City north of Highway 401, there are numerous roadways with significant residential developments, numerous sharp curves or narrow pavement widths, where reduced speed limits will be considered. A key component of the Guidelines was to assess roadways in the rural areas in order to determine appropriate posted speed limits.

In accordance with the *Highway Traffic Act (HTA) of Ontario*, unless signage is posted, the defacto speed limit is 50 km/h in urban areas and 80 km/h in rural areas. Within Kingston, unless posted signs state otherwise, the maximum speed limit is 50 km/h on roadways south of the 401 and 80 km/h on roadways north of the 401. Without the HTA defacto speed limit provision, municipalities would be required to provide an excessive amount of signage which would be unsightly and cost prohibitive to install and maintain.

The Guidelines include an automated data sheet that considers roadway geometry, pavement width, roadside hazards, pedestrian and cyclist exposure, number of intersections and on-street parking. When the required data is entered into the spreadsheet, a recommended posted speed limit is provided for the particular road being assessed.

Although numerous requests are received to establish 40 km/h zones on residential streets, local studies have shown this to be ineffective at reducing speeds. The City has instead been utilizing traffic calming measures such as speed humps, curb extensions, raised crosswalks, mini-roundabouts and driver feedback signs in order to reduce speeds. Since signs must be posted in the rural area if the speed limit is anything other than 80 km/h, there may however be circumstances where a speed limit of 40 km/h could be deemed appropriate.

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As part of these Guidelines, the length of individual speed zones was also be reviewed such that where the posted speed limit is 70 km/h or higher, the minimum length for any speed zone will be 1000 metres. Where the posted speed is less than 70 km/h, the minimum length for any speed zone will be 500 metres.

The installation of new speed limit signage is expected to begin in the spring of 2012. Annual assessments for appropriate speed limits will be on-going for both the urban and rural areas of the City until all necessary roadways have been assessed. When posted speed limits are changed on any roadway in the City, the Kingston Police Force will be informed such that additional enforcement can be considered.

It is important to note that three of the roads where speed limit changes are being proposed (Horning Road, Spooner Road and Orser Road) are boundary roads with the Township of South Frontenac. As per the Municipal Act, both the City and the Township need to approve by-law revisions in order for the speed limit changes to be enforceable. City staff have been communicating with Township staff and there is support for the proposed speed limit changes. Township staff will be seeking their council’s approval concurrently. When both City and Township councils pass the required by-laws, signage on the three boundary roads noted above can be posted.

Roads where the posted speed limit will be reduced from **60 km/h to 50 km/h**:

Roadway	Limits	Existing Speed Limit	Proposed Speed Limit
Front Road	Bayridge Drive westerly to end	60 km/h	50 km/h

Roads where the posted speed limit will be reduced from **80 km/h to 70 km/h**:

Roadway	Limits	Existing Speed Limit	Proposed Speed Limit
Highway 15	100m north of Innovation North to 401	80 km/h	70 km/h
6 th Concession	Joyceville Rd to City Limits	80 km/h	70 km/h
Brewer’s Mills Road	Highway 15 easterly to City Limits	80 km/h	70 km/h
McAdoo’s Lane	All	80 km/h	70 km/h
Orser Road	Highway 38 to Sydenham Road	80 km/h	70 km/h
Pine Grove Road	1300 m east of Highway #15 to City Limits	80 km/h	70 km/h
Quabbin Road	Highway 38 to Unity Road	80 km/h	70 km/h
Woodburn Road	Highway 15 to City Limits	80 km/h	70 km/h

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Roads where the posted speed limit will be reduced from **80 km/h to 60 km/h**:

Roadway	Limits	Existing Speed Limit	Proposed Speed Limit
Aragon Road	All	80 km/h	60 km/h
Church Lane	Brewer's Mills Road to Pine Grove Road	80 km/h	60 km/h
Garrett Road	Sand Hill Road to 6 th Concession Road	80 km/h	60 km/h
Haggerty's Side Road	All	80 km/h	60 km/h
Horning Road	All	80 km/h	60 km/h
Highway 15	Gore Road to 100m north of Innovation North	80 km/h	60 km/h
Isle of Man Road	Highway 15 to Gibraltar Road	80 km/h	60 km/h
Latimer Road	Sydenham Road to City Limits	80 km/h	60 km/h
Leo Lake Road	Highway #15 (north entrance) southerly 1300 m	80 km/h	60 km/h
Middle Road	Highway 15 to Butternut Creek Road	80 km/h	60 km/h
Spooner Road East	Perth Road easterly to end	80 km/h	60 km/h
Westbrook Road	Creekford Road to Unity Road	80 km/h	60 km/h

Roads where the posted speed limit will be reduced from **80 km/h to 50 km/h**:

Roadway	Limits	Existing Speed Limit	Proposed Speed Limit
Pine Grove Road	Highway #15 easterly 1300 m	80 km/h	50 km/h
Shannon Road	Highway #15 to 6 th Concession Road	80 km/h	50 km/h
Spooner Road West	Latimer Road to End	80 km/h	50 km/h
Station Road	Highway 15 to Kingston Mills Road	80 km/h	50 km/h

Roads where the posted speed limit will be reduced from **80 km/h to 40 km/h**:

Roadway	Limits	Existing Speed Limit	Proposed Speed Limit
Aley Street	Sydenham Road to End	80 km/h	40 km/h
Brewer's Mills Road	Highway #15 westerly to end	80 km/h	40 km/h
Cashman Place	All	80 km/h	40 km/h
Country Side Crescent	All	80 km/h	40 km/h
Ellen Avenue	All	80 km/h	40 km/h
Genesis Court	All	80 km/h	40 km/h
Kelly's Avenue	All	80 km/h	40 km/h
Leo Lake Road	1300m from Highway #15 (north entrance) to end	80 km/h	40 km/h
Loughborough Drive	Sydenham Road to City Limits	80 km/h	40 km/h
Marino Drive	All	80 km/h	40 km/h
Millenium Court	All	80 km/h	40 km/h
Paige Road	All	80 km/h	40 km/h
Perradice Drive	All	80 km/h	40 km/h
Pine Grove Road	Highway 15 westerly to end	80 km/h	40 km/h
Rylande Crescent	All	80 km/h	40 km/h
Thompson Crescent	All	80 km/h	40 km/h
Wagner Street	All	80 km/h	40 km/h
Washburn Road	Highway 15 to City Limits	80 km/h	40 km/h

EXISTING POLICY/BY LAW:

By-Law No. 2003-209, " A By-Law For Regulating Traffic in the Highways Of The City of Kingston, Subject To The Provisions Of The Highway Traffic Act".

NOTICE PROVISIONS: Not Applicable

ACCESSIBILITY CONSIDERATIONS: Not Applicable

FINANCIAL CONSIDERATIONS:

There are no additional costs related to this change that need to be accommodated within the Engineering Department budget.

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CONTACTS:

Mark VanBuren, Director of Engineering	613-546-4291, ext. 3218
Deanna Green, Manager Traffic Division	613-546-4291, ext. 3170
Chris Sleeth, Traffic Supervisor, Traffic Division	613-546-4291, ext. 3149

OTHER CITY OF KINGSTON STAFF CONSULTED:

Sgt. Steve Saunders, Kingston Police Force	613-549-4660
Mark McLaughlin, Legal Services	613-546-4291, ext. 1365

EXHIBITS ATTACHED:

Exhibit A - Draft By-Law
Exhibit B - Map of reduced speed limit school zones

BY-LAW NO. 2012-XX

A BY-LAW TO AMEND BY-LAW No.2003-209, "A BY-LAW FOR REGULATING TRAFFIC IN THE HIGHWAYS OF THE CITY OF KINGSTON, SUBJECT TO THE PROVISIONS OF THE HIGHWAY TRAFFIC ACT", (AMEND SPEED LIMITS on VARIOUS STREETS)

PASSED: _____, 2012

The Council of The Corporation of the City of Kingston hereby enacts as follows:

By-Law No. 2003-209 entitled, "A By-law for Regulating Traffic in the Highways of the City of Kingston, Subject to the Provisions of the Highway Traffic Act", as amended, is hereby further amended as follows:

1.2. Schedule A-1 (Highways with a Limit of 80 Kilometres per Hour) is hereby amended by removing the following thereto

Highway	From	To
Middle Road	Road # 15	100 Metres East of Butternut Creek Road
Road # 15	200 Metres north of Gore Road	Highway # 401

1.3. Schedule A-2 (Highways with a Limit of 70 Kilometres per Hour) is hereby amended by adding the following thereto

Highway	From	To
6th Concession Road	Joyceville Road	City Limits
Brewer's Mills Road	HWY # 15	Easterly to the City Limits
McAdoo's Lane	All	
Orser Road	Kingston Road # 38	Sydenham Road
Pine Grove Road	1300 metres east of HWY # 15	Easterly to the City Limits
Quabbin Road	Kingston Road # 38	Unity Road
Road # 15	Highway # 401	100 metres north of the north leg of Innovation Drive
Woodburn Road	HWY # 15	City Limits

1.4. Schedule A-3 (Highways with a Limit of 60 Kilometres per Hour) is hereby amended by adding the following thereto

Highway	From	To
Aragon Road	Battersea Road	End
Church Lane	Brewer's Mills Road	Pine Grove Road
Garrett Road	Sand Hill Road	6th Concession Road
Haggerty's Side Road	All	
Horning Road	All	
Isle of Man Road	HWY # 15	Gibraltar Road
Latimer Road	Sydenham Road	City Limits
Leo Lake Road	Hwy #15 -north entrance	Southerly 1300 metres
Middle Road	Road # 15	200 Metres East of Abbey Dawn Road
Road # 15	Road # 2	100 metres north of the north leg of Innovation Drive
Spooner Road East	Perth Road	Easterly to End
WestBrook Road	Creekford Road	Unity Road

And removing the following thereto

Highway	From	To
Front Road	Bayridge Drive westerly	End
Middle Road	100 Metres West of Butternut Creek Road	200 Metres East of Abbey Dawn Road
Road # 15	Road # 2	200 Metres North of Gore Road

1.5. Schedule A-4 (Highways with a Limit of 50 Kilometres per Hour) is hereby amended by adding the following thereto

Highway	From	To
Pine Grove Road	HWY # 15	Easterly 1300 metres
Shannon Road	HWY # 15	6 th Concession Road
Spooner Road West	Latimer Road	End
Station Road	HWY # 15	Kingston Mills Road

1.6. Schedule A-5 (Highways with a Limit of 40 Kilometres per Hour) is hereby amended by adding the following thereto.

Highway	From	To
Aley Street	Sydenham Road	End
Brewer's Mills Road	HWY # 15	Westerly to End
Cashman Place	All	
Country Side Crescent	All	
Ellen Avenue	All	
Genesis	All	
Kelly's Avenue	All	
Leo Lake Road	South of Hwy #15- north entrance 1300 metres	Hwy # 15- south entrance
Loughborough Drive	Sydenham Road	City Limits
Marino Drive	All	
Millenium Court	All	
Paige Road	All	
Perradice Drive	All	
Pine Grove Road	HWY # 15	Westerly to the End
Rylande Crescent	All	
Thompson Crescent	All	
Wagner Street	All	
Washburn Road	HWY # 15	City Limits

2. This by-law will come into force and take effect on the date of its passing.

GIVEN ALL THREE READING AND PASSED , 2012

CITY CLERK

MAYOR

Report 12-065 - Exhibit B – Maps of Reduced Speed Limit Roads









