INFORMATION REPORT

Hamilton

TO:	Chair and Members General Issues Committee – Budget Deliberations
COMMITTEE DATE:	March 2, 2018
SUBJECT/REPORT NO:	Priority Methods for Road Repairs due to Winter Damages (PW18020) (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Gord McGuire Geomatics & Corridor Management (905) 546-2424, Extension 2439
SUBMITTED BY: **SIGNATURE:**	Gord McGuire Geomatics & Corridor Management

Council Direction:

N/A

Information:

The winter of 2018 has accelerated serious roadway surface deterioration on a number of roads across Hamilton. As a result, staff undertook a process to inspect road segments and identify those which are not within the near term capital budget forecast and require short term interventions as a result of accelerated decline.

While Public Works routinely analyzes the City's road network to develop the capital replacement program, the experience over this winter suggests that temporary, more agile, actions may be needed over the near term to respond to these conditions.

The primary goals of this effort will be to maintain and / or increase service levels while reducing impacts on maintenance and operating budgets.

The following is an outline of the criteria that will be considered in responding to these road failures. Important criteria staff will consider in assessing these roads include;

(1) Condition of the road – staff from both Roads & Traffic as well as Engineering Services have inspected a number of sites and developed a priority list based on observations made in the field;

(2) Risk management claims – Staff are also evaluating risk management claims to prioritize the list to reflect the occurrence of claims from the motoring public;

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(3) Traffic volumes – traffic count data is being used to prioritize the list to recognize the increased risk relative to increased usage of any of the road segments being considered for action;

(4) Speed limit – the condition of the road surface and the integrity of it becomes more important at higher speeds;

(5) Profile of the traffic, heavy trucks, transit vehicles and equipment using the road that will accelerate the decline of already jeopardized road surfaces;

(6) Capital programming – staff will also review the existing capital program to understand where the affected road segment may reside in our program to inform whether or not immediate, short term or longer term interventions should be undertaken. For example; as LRT is expected to be undertaken within the corridor on Main Street West within the next 3-5 years any intervention at this location will be designed to ensure the roadway is able to provide service for intervening period of time.

To maximize the effectiveness of this program best efforts will be made to coordinate with potential underground works such as sewer, water or other affected utility infrastructure. The programs priority however is meant to address the surface deficiencies of the identified road segments and provide a rehabilitation strategy that repairs the current road surface in its existing configuration.

Through this process staff intend to report back to Committee with a prioritized comprehensive list of roads throughout Hamilton that require short term intervention as a result of applying the criteria 1-6 above.

While the capital budget program is already established for 2018 there may be opportunity to make minor additions to it in season, some projects identified may be delivered in 2019, and projects that require significant rehabilitation and coordination with other utilities may not be delivered until 2020.

Appendices and Schedules Attached

None

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OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.
OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.