

## COUNCIL REPORT

M&C No.	2019-72
Report Date	March 29, 2019
Meeting Date	April 08, 2019
Service Area	Transportation and Environment Services

His Worship Mayor Don Darling and Members of Common Council

***SUBJECT: 2019 Asphalt Pavements Work***

***OPEN OR CLOSED SESSION***

This matter is to be discussed in open session of Common Council.

***AUTHORIZATION***

Primary Author	Commissioner/Dept. Head	City Manager
<b><i>Rod Mahaney</i></b>	<b><i>Michael Hugenholtz / Brian Keenan</i></b>	<b><i>John Collin</i></b>

***RECOMMENDATION***

It is recommended that this report be received and filed.

***EXECUTIVE SUMMARY***

Asphalt maintenance, surface repairs and new road construction are primary concerns of citizens and a priority of Common Council. This report updates Council on asphalt pavements work and associated funding allocated for Saint John roadways in 2019.

***PREVIOUS RESOLUTION***

November 5, 2018; 2019 Water & Sewerage Utility Fund Operating Program Approved.

July 30, 2018; 2019 General Fund Capital Program Approved.

December 18, 2018; 2019 General Fund Operating Program Approved.

## **STRATEGIC ALIGNMENT**

This report aligns with Council's Priority for Valued Service Delivery, specifically as it relates to investing in sustainable City services and municipal infrastructure.

## **REPORT**

The following funding allocations have been provided for maintenance and resurfacing of asphalt pavements under the General Fund Capital and Operating budgets, and under the Water and Sewerage Operating budget for utility cut reinstatements:

Asphalt Material (General Fund)	\$ 750,000
Asphalt Resurfacing (General Fund)	\$ 1,265,000
Asphalt Resurfacing (Capital Fund)	\$ 5,100,000
Utility Cut Reinstatements (W&S Fund)	\$ 740,000

Saint John Water has a requirement for the reinstatement of over 140 utility cuts resulting from water and/or sewer repairs undertaken during the past winter season with an overall average of 400 utility cuts requiring reinstatement each year. This is a planned expenditure with the funding for utility cut reinstatements included above.

In 2019 the utility cut reinstatements will be carried out by Transportation & Environment Services crews on behalf of SJ Water. In addition, substantial internal resources (personnel and equipment) are programmed in the General Fund for the in-house asphalt maintenance and repairs.

Longer-term preventative maintenance is multi-faceted and includes resurfacing, crack sealing, and some local area patching; all with the goal of extending service life of roadways. Resurfacing using contractor resources is planned for 34 street sections (45.60 lane kilometers) as shown in Appendix A. Notable in relation to this work are the adjustment of over 648 roadway structures (e.g. catch basins, manholes) in conjunction with the actual asphalt resurfacing.

The \$5,100,000 of funding under the Capital Program that has been provided includes provision for the replacement of existing curb and sidewalk in conjunction with the Asphalt Resurfacing Program on a number of street sections as identified in Appendix A. Existing curb and sidewalk will be replaced on sections of Balmoral Crescent, Dexter Drive, Hill Heights Road, Mark Drive, Ocean Drive and Swanton Street among others.

It is the intention of City staff to make full use of the budget surplus identified in M&C 2019-78 (Contract No. 2019-16 Asphalt Resurfacing 2019) by adding additional streets to the 2019 asphalt resurfacing contract with the payment to be made at the approved contract unit prices. A few weeks time is required for Staff to identify additional streets, make site visits and prepare quantity

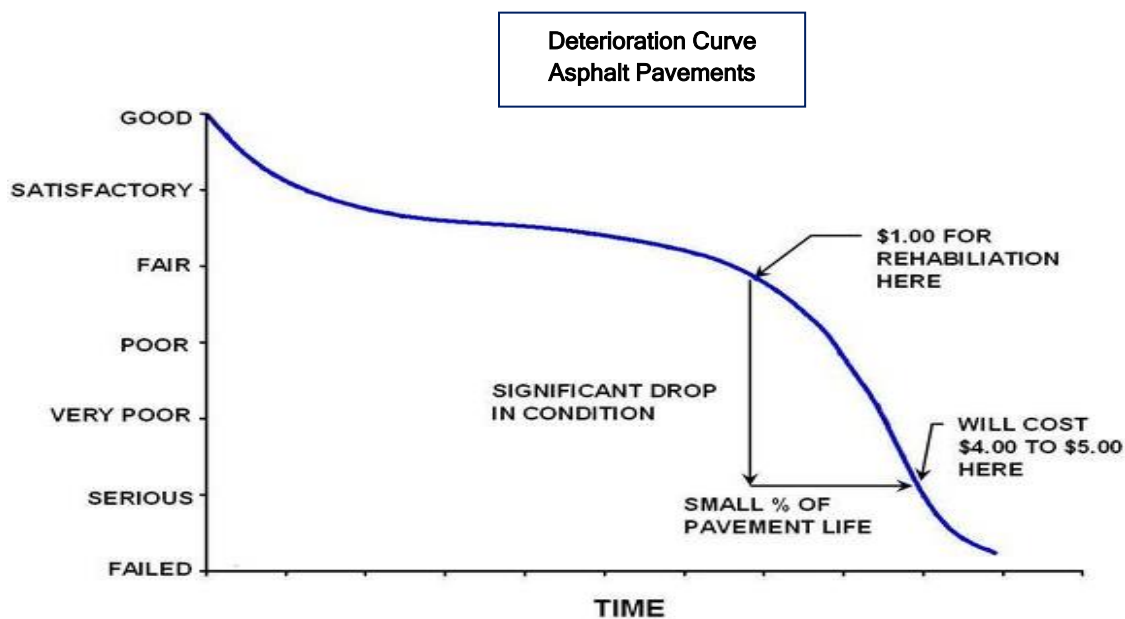
estimates. Staff will report back to Council with a proposed list of additional streets for asphalt resurfacing and for approval to increase the amount of contract 2019-16 accordingly.

Hot mix asphalt material is generally not available until late April each year. There are currently 142 Lane Kilometres of streets that are in the Reconstruction Category. General maintenance and repair work by City forces is planned for some of these street sections in 2019 but eventually these 142 Lane Kilometres of streets will need to undergo a full Reconstruction.

Under the General Fund Capital Program, the following streets will be given new asphalt surfaces through reconstruction in 2019:

- Chipman Hill (King Street to Union Street)
- Mecklenburg Street (Wentworth Street to Sydney Street)
- Metcalf Street (Main Street to Lansdowne Avenue)
- Queen Square North (Charlotte Street to Sydney Street)
- Wentworth Street (Union Street to Elliot Row)

**Pavement Condition Index (PCI)** The City utilizes MicroPAVER™, a statistical measure that requires a visual inspection process to evaluate and rate pavement condition. The PCI is a numerical index between 0 and 100. The resulting composite PCI summarizes the structural integrity and surface condition of each street section and predicts future maintenance and rehabilitation needs.



The overall average PCI at the end of construction season in 2018 for City of Saint John streets was about 77. Based on funding allocated for 2019, the overall average PCI is projected to remain at about 77.

### ***SERVICE AND FINANCIAL OUTCOMES***

Asphalt pavements, and concrete curb and sidewalks are essential infrastructure which directly impacts the quality of life in our community. Roadway infrastructure is important to the economic health of the community and citizens expect these assets to be maintained to an acceptable standard. Proper and timely maintenance of all roadway assets will ensure public safety, extend service life of the asset, and achieve best value for the investment.

### ***INPUT FROM OTHER SERVICE AREAS AND STAKEHOLDERS***

N/A

### ***ATTACHMENTS***

APPENDIX - 'A' Asphalt Resurfacing Street List for 2019