

## **MEMORANDUM**

**TO:** Chair and Members of the Planning, Public Works and Transportation Committee

**FROM:** Teri Hoey, Supervisor of Construction

**DATE:** September 9, 2019

**MEMORANDUM NO.:** MEM-TPW-2019-0007

**RE:** 2020-2025 Pavement Management Local and Collector/Arterial Asphalt Resurfacing Programs

### **PURPOSE OF THE MEMORANDUM:**

The purpose of this memorandum is to advise Council of the 2020-2025 Pavement Management Local and Collector/Arterial Asphalt Resurfacing Programs. Staff used the detailed condition data collected in 2017 to determine the provided program.

### **BACKGROUND:**

The Pavement Management Program was established in 2003 in order to address the condition of local roads in the Town. Local streets in the past typically did not compete well for funding against projects on busier collector and arterial roads. The success of this program has seen 43 km of road resurfaced, minimizing the required maintenance, and increasing the longevity of the pavement.

Report No. CS-2011-0029 "Long Range Financial Plan" (May 16, 2011) made recommendation that the Pavement Management Reserve be separated into two reserves, Pavement Management – Local Roads and Pavement Management – Collector and Arterial Roads. The Pavement Management – Collector and Arterial program will commence in 2021, dependent on budget approval.

In 2011, Report No. INF-2011-0053 provided an update to Council on the Pavement Management Program's status. In the past, the Program has been conducted on a "worst-first" basis. By using this approach, it is difficult to get ahead of the repairs. We will be enhancing the program to include a rehabilitation to address roads that are in fair condition, and to prevent them from falling into poor condition.

### **COMMENTS:**

As the pavement condition deteriorates, it is paramount that pavement condition data is collected, updated and integrated into the Pavement Management system, to continually monitor this valuable asset.

Through a joint Request for Proposal (RFP) in 2017, the Town of Halton Hills with the City of Burlington and Town of Oakville hired Fugro to collect detail condition data of our road network. In the Town of Halton Hills, 940 sections of roadway and approximately 427 centerline kilometres were captured. The data collection included International Roughness Index (IRI), rut-depth testing, and surface distress data. This type of data is collected every 5 years and provides the essential condition information to enable the Town to make sound decisions and set our priorities. This data is added into our Pavement Management application, RoadMatrx, and is used to determine the Pavement Quality Index (PQI), and ultimately the development of the Capital Road Resurfacing program.

In review of the PQI of the road sections and coordination with the Halton Region, we have established the attached program (Attachment A & B, List & Map). The rehabilitation treatment listed is a suggestion only and may be revised based on a detailed engineering review of the road sections. Road segments may be added or removed from the program subject to resource and funding availability and/or updated condition information. Staff will review and update the programs on an annual basis.

### **CONCLUSION:**

The success of the Pavement Management Program introduced in 2003 has provided the Town of Halton Hills with an increased asset value.

The roads to be included in the continued Pavement Management – Local program and new Pavement Management – Collector and Arterial program will benefit the community by improving road safety and the road quality for years to come.

Reviewed and approved by,

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**Bill Andrews, Director of Engineering**

A handwritten signature in cursive script, appearing to read "C. Mills".

**Chris Mills, Commissioner of Transportation and Public Works**

A handwritten signature in cursive script, appearing to read "Brent Marshall".

**Brent Marshall, Chief Administrative Officer**