

MEMORANDUM

TO: Mayor Bonnette and Members of Council

FROM: Maureen Van Ravens, Manager of Transportation

DATE: May 9, 2019

MEMORANDUM NO.: MEM-TPW-2019-0013

RE: Pavement Marking Program Update

PURPOSE OF THE MEMORANDUM:

The purpose of this memorandum is to update Council with regards to the Pavement Marking Program.

BACKGROUND:

Pavement markings provide an important guidance function to road users related to the changing alignment, vehicle positioning, vulnerable road users, intersections, and pedestrian crossing areas. Pavement markings often supplement other traffic control devices such as signs and signals and play a critical role during night conditions, particularly in rural areas.

The Town's Pavement Marking Program includes the application of pavement markings on the roads and facilities under the Town's jurisdiction that include centre lines, lane lines, edge lines, stop bars, arrows, crosswalks, parking lanes, bike symbols, accessible symbols, "Slow" symbols, and other pavement markings.

Pavement markings are installed in accordance with the standards identified in the Ontario Traffic Manuals and Ontario Provincial Standards.

COMMENTS:

The Pavement Marking Program is divided into two sections, in-house and contractual work.

In-house work involves hand-machine work that includes painting of stop bars and crosswalks at the Arterial (minor), Collector, and Local classification intersections, and railway crossing markings. The program also includes painting of the municipal, Fire Department, recreational facilities, libraries, Public Works Yard, and Town Hall parking lots.

In 2017, the Town of Milton issued a request for tender through the Halton Co-operative Purchasing Group, which resulted in Woodbine Pavement Marking Ltd. being selected as the successful vendor. The Town's Pavement Marking Program was included as part of the tender document. This is the final year of the contract.

The work includes retracing of centre lines, lane lines, and edge lines on the Arterial, Collector and Local classification roads, painting of Arterial (major) intersections, arrows, and various durable paint projects.

To retrace the existing pavement markings, the contractor uses two types of paints. Water-based is used from May to October 15th and is more friendly on the environment and easier to remove and dispose. Oil-based is used from October 15th to the end of November and is more versatile and is applied in cold temperature.

To improve pedestrian safety at the crosswalks, enhanced pavement markings which include "ladder" style pavement markings and new stop bars are implemented. The "ladder" style and stop bar pavement markings will be applied by the contractor using durable paint, also known as cold plastic.

Durable paint (Field Reacted Polymeric) is longer lasting (3-5 years) than standard retracing paint and it is very effective in high traffic areas. The cost of durable paint is much higher than those of water-based or oil-based paints.

In addition, all bike lane projects are applied using durable paint.

Schedule

The initial in-house work will focus on the intersections in the vicinity of schools and railway crossings.

During spring, the contractor will apply the first paint application of the year to retrace the existing pavement markings on the Arterial roads and address the 2018 pavement marking deficiencies. Due to the low durability of the water-based paint and high volumes of traffic on the Arterial roads, the Contractor will apply the second paint application in fall 2019.

In July and August, Danby Road's three roundabouts will be upgraded with new Pedestrian Crossover pavement markings and signs. At the same time, two new Pedestrian Crossovers will be installed at the Armstrong Avenue/Sinclair Avenue

intersection and in front of Centennial Middle School. The Contractor will use durable paint to apply pavement markings at the roundabouts and Pedestrian Crossovers.

In August, the Contractor will install the “ladder” style and stop bar pavement markings at the Main Street/Mill Street (Acton), Mountainview Road/Danby Road, and Guelph Street (Highway 7)/Alcott Street intersections.

Yellow centre lines and edge lines of rural, collector, and local roads are retraced once a year during the summer and fall months.

During the fall, staff will identify outstanding deficiencies to be addressed by the Contractor and schedule remedial works.

Damage Claims

In the past few years, the Town received a number of claims due to paint damage incurred by the residents travelling through freshly painted roads. To assist in addressing those claims, staff engaged the Town’s Insurance Adjuster to obtain direction on how to deal with these claims.

As indicated by the Insurance Adjuster, the Town has retained a vendor to perform this work under contract. It is the contractual responsibility of the Contractor to investigate the circumstances of the claim and it is up to the Contractor to make judgments about legal liability. As well, it is the contractual obligation of the vendor to indemnify and hold the Town of Halton Hills harmless. The Town of Halton Hills will pass all such claims along to the vendor but otherwise can take no further action.

It is recommended that the claimant process a comprehensive claim with their own insurer. If their insurer feels there is legitimate recourse against the Contractor, they will attempt to recover their subrogated interest.

We are also required to advise the claimant that there is a two-year limitation period. If they disagree with the findings of the Contractor, they have two years from the date of the incident to make a claim.

CONCLUSION:

The Pavement Marking Program represents a significant investment in road safety. Approximately \$250,000 is spent annually on retrace and durable paint projects through both the operating and capital budget. This year, the Pavement Marking Program will be completed between the months of May and November and is included in the 2019 Traffic Engineering Work Plan.

Reviewed and approved by,

A handwritten signature in cursive script, appearing to read "Maureen Van Ravens".

Maureen Van Ravens, Manager of Transportation

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