

MEMORANDUM

TO: Mayor Bonnette and Members of Council

FROM: Bill Andrews, Director of Engineering

DATE: November 8, 2018

MEMORANDUM NO.: TPW-2018-0013

RE: 2018 Capital Construction Program Update

PURPOSE OF THE MEMORANDUM:

The purpose of this memorandum is to provide an update on the status of the 2018 Capital Construction Program.

BACKGROUND:

Each year the Town undertakes capital projects to maintain, upgrade and rehabilitate Town infrastructure including roads, bridges, storm sewers and other road related assets.

COMMENTS:

The 2018 construction season is nearing completion. The following projects were undertaken by the Town in 2018, including carryover and deficiency related projects. All projects were managed, administered and/or inspected by Town Staff. The list provides information with respect to project tender value, schedule and details:

22 Side Road Reconstruction (Limehouse Urban Area)

- *Tender Award:* \$675,325, excluding HST
- *Schedule:*
 - Start: July 2018
 - Substantial Completion: October 2018
- *Project Details:*
 - Reconstructed approximately 440 metres of asphalt road on 22 Side Road to urban standard (i.e., curb and gutter) including storm sewer upgrades.
 - Constructed approximately 200 metres of asphalt multiuse path on the north side of 22 Side Road between Fifth Line and Woseley Street.
 - Reconstructed the lower asphalt parking lot at the Limehouse Public School.

- Constructed new community parking lot at Tolton Park including approximately 85m of sidewalk.
- *Highlights:*
 - Excavated boulders were retained for integration into future Tolton Park.
 - Successful collaboration with Limehouse Public School (HDSB) staff and local parents to ensure the safe and successful completion of the parking lot reconstruction during the school year.

Fourth Line Resurfacing (10 Side Road to 5 Side Road)

- *Tender Award:* \$572,365, excluding HST
- *Schedule:*
 - Start: May 2018
 - Substantial Completion: June 2018
- *Project Details:*
 - Resurfaced approximately 3,050 metres of asphalt road on Fourth Line from 10 Side Road to 5 Side Road including culvert upgrades.
- *Highlights:*
 - Pulverized the existing asphalt blending with granular base for reuse in rehabilitation. Use of blended material lowers cost and benefits the environment due to limiting trucking.

River Drive Bridge Rehabilitation

- *Tender Award:* \$685,207, excluding HST
- *Schedule:*
 - Start: April 2018
 - Substantial Completion: August 2018
- *Project Details:*
 - Repair to the bridge concrete, new asphalt wearing surface, new railing, and new guiderail at the approach to the bridge.
- *Highlights:*
 - Existing sidewalk widened to 1.5m to accommodate Active Transportation.
 - Existing deck drains that were draining into Credit River were capped to stop deleterious material from entering the watershed.

Armstrong Avenue Storm Sewer Rehabilitation

- *Tender Award:* \$188,070, excluding HST
- *Schedule:*
 - Start: March 2018
 - Substantial Completion: August 2018
- *Project Details:*
 - Rehabilitation of approximately 80 metres of 1500mm/900mm concrete storm sewer utilizing ultra-violet light (UV) cured-in place pipe (CIPP).
- *Highlights:*
 - CIPP lining system allowed for remediation works to be executed from an accessible location at the top of the Credit River Valley, minimizing potential impacts to the natural environment.

Pavement Management – Part A

- *Tender Award:* \$287,183, excluding HST
- *Schedule:*
 - Start: April 2018
 - Substantial Completion: July 2018
- *Project Details:*
 - Resurfaced approximately 660 metres of asphalt roads including curb repairs on Jeffery Avenue, Nelson Court and School Lane.
- *Highlights:*
 - Mayor and Council's commitment to resurface the locations of recent Region infrastructure upgrades.

Pavement Management – Part B

- *Tender Award:* \$733,635, excluding HST
- *Schedule:*
 - Start: May 2018
 - Substantial Completion: TBD
 - Anticipated Construction Completion: Spring 2019
- *Project Details:*
 - Resurfaced 775 metres of asphalt roads including sidewalk and curb repairs on Church Street, Noble Court and River Drive West.
 - Resurfacing of River Drive East (approximately 600 metres) from Mountainview Drive to River Drive Bridge including sidewalk, curb and storm sewer repairs are being deferred and will be completed in Spring 2019. The deferral is related to Contractor difficulties obtaining skilled sub-contractors at critical times and seasonal constraints. The works in progress will be secured for the winter season.
- *Highlights:*
 - Updating Church Street to an "Urban" cross section.

Pavement Management – Part B (Duncan Drive – Joint Region Project)

- *Tender Award:* \$232,160, excluding HST
- *Schedule:*
 - Start: June 2018
 - Substantial Completion: November 2018
- *Project Details:*
 - Resurfaced 350 metres of asphalt road including curb replacement and storm sewer repairs on Duncan Drive (Moultrey Crescent to Weber Drive) as part of a joint project with Halton Region.
- *Highlights:*
 - Successful collaboration with Halton Region.

The 2018 construction projects included the following carryover work from 2017:

Culvert 15234C Lining (15 Side Road between Fourth Line and Fifth Line)

- *Tender Award:* \$97,858, excluding HST
- *Schedule:*
 - Start: June 2018
 - Substantial Completion: August 2018
- *Project Details:*
 - Lining of 2000mm x 1600mm corrugated steel pipe (CSP) arch culvert with new high density polyethylene (HDPE) liner.
- *Highlights:*
 - Lining system utilized involved minimal in-water works and no interruption to stream flows during installation, eliminating the need for by-pass pumping. The work was completed in two (2) working days.
 - Effective collaboration with Conservation Halton to manage risks, obtain the required permit and implement the lining system within a tight timeline.

Sinclair Ave. Multi-use Path & Resurfacing Market/Church Street Parking Lot - Georgetown

- *Tender Award:* \$194,865, excluding HST
- *Schedule:*
 - Start: October 2017
 - Substantial Completion: June 2018
- *Project Details:*
 - Installation of an asphalt multi-use path on Sinclair Avenue and resurfacing of the existing Market/Church Street Parking Lot.
- *Highlights:*
 - Addition of active transportation facility on Sinclair Ave. creating connectivity between Armstrong Avenue and Hwy 7 (Guelph Street).

The 2018 construction projects included the following maintenance work from 2017:

Main Street North (Acton) Resurfacing

- The Contractor completed repairs to the critical areas of the Main Street North asphalt in Acton in October. The repairs consisted of a combination of grinding and repaving for the larger repair areas and grinding of localized `high spots` (roughened surface remains visible in these areas). It should be noted that these are considered to be temporary repairs to provide for a safer driving surface for the winter season. Temporary repair measures were preferred at this time to permit additional asphalt testing to be completed in accordance with the Contract and prevent new asphalt from being installed in unfavourable conditions.
- A long-term solution to the identified deficiencies issues will be implemented in the Spring of 2019.

CONCLUSION:

The Town completed a number of capital construction projects to improve, upgrade and add infrastructure in 2018. Only one portion of Pavement Management – Part B (River

Drive E) will require deferral to 2019 for completion. Future updates will be provided to Council regarding the ultimate resolution of the Main Street North asphalt deficiencies.

Reviewed and Approved by,

A handwritten signature in black ink, appearing to read "C. Mills". The signature is written in a cursive style with a prominent horizontal stroke across the top.

Chris Mills, Acting CAO