

**TO:** Mayor J. Lehman and Members of Council

**FROM:** R. K. Sutton, P. Eng., Director of Engineering

**NOTED:** R. J. Forward, MBA, M.Sc., P. Eng., General Manager of Infrastructure & Growth Management  
C. Ladd, Chief Administrative Officer

**RE:** Essa Road Improvements Anne Street to Gowan Street  
(File: T04-2017-057T)

**DATE:** May 15, 2017

The purpose of this memo is to provide an update on the upcoming construction and associated road closures that are required to facilitate the underground municipal servicing on Essa Road from Anne Street to Gowan Street.

### **Background**

The Hotchkiss Creek Master Drainage Plan has identified that the upstream stormwater drainage along Essa Road shall be conveyed to a previously installed storm system at the corner of Essa Road and Gowan Street. The pipe size for the proposed storm system ranges from 1.2 m diameter pipe to a 2.4 m by 1.5 m box. As a result of the large size storm system, the sanitary sewer system must be lowered and new water services must be installed. The work to construct these elements will impact the full roadway requiring the complete reconstruction of the roadway including curbs and sidewalks.

### **Project Funding and Details**

This project qualifies for the Clean Water and Wastewater Fund (CWWF), a federal program designed to accelerate short-term community investments across Ontario, while supporting the rehabilitation and modernization of drinking water, wastewater and stormwater infrastructure, and the planning and design of future facilities and upgrades to existing systems. Projects funded through the CWWF must meet a March 31, 2018 substantial completion date.

The project has been tendered and closed May 9, 2017. City Engineering staff are currently in the process of awarding the project. As soon as the contractor's detailed schedule is understood, additional information will be posted to the City's website under the Road Ahead. Signage advising of any road closures as well as communicating that businesses are open during construction will be posted around the construction zone. The project limits are on Essa Road between Gowan Street to 90m north of Anne Street and on Innisfil Street from Essa Road to Caroline Street.

### **Road Closure**

To facilitate the construction as efficiently as possible Engineering staff are recommending the full closure of Essa Road in two stages to minimize the impacts to traffic and local businesses. Please see Appendix 1 - Essa Road Improvements Roadway Closure Limits.

#### **Essa Road Stage 1 Closure – Gowan Street to Burton Avenue**

- This section of road is to be closed to thru traffic during construction but access must be maintained to homes and businesses and for emergency vehicles.
- Contractor is to maintain left turn movements from Burton Avenue onto Essa Road and right turn movements from Essa Road onto Burton Avenue at all times.
- As soon as all underground work is complete at the intersection of Essa Road and Gowan Street, the Contractor shall reinstate the intersection to a suitable condition that it can be open to right turn traffic from Gowan Street onto Essa Road and left turn traffic from Essa Road onto Gowan Street.

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**Essa Road Stage 2 Closure – Burton Avenue to Anne Street**

- No works can commence in Stage 2 until the Contractor has sufficiently completed the Stage 1 works.
- The intersection of Essa Road and Gowan Street must be fully open and as a minimum operating with temporary traffic signals.
- This section of road may be closed to thru traffic during construction but access must be maintained to homes and businesses and for emergency vehicles.
- Temporary traffic signals at intersection of Essa Road and Innisfil Street will be in operation during this stage.
- As soon as all underground work is complete at the intersection of Essa Road and Burton Street, the Contractor shall reinstate the intersection to a suitable condition that it can be open to right turn traffic from Burton Street onto Essa Road and left turn traffic from Essa Road onto Burton Street.
- All proposed work on Innisfil Street is completed in this stage.

If there are any questions, please contact Jeff Henry at extension 4592 (e-mail [Jeff.Henry@barrie.ca](mailto:Jeff.Henry@barrie.ca)) or Stew Patterson at extension 4481 (email [Stew.Patterson@barrie.ca](mailto:Stew.Patterson@barrie.ca)).

**Appendix 1**  
Essa Road Improvements  
Roadway Closure Limits

