



The Corporation of the Town of Tecumseh

Public Works & Environmental Services

To: Mayor and Members of Council

From: Phil Bartnik, Director Public Works & Environmental Services

Date to Council: March 10, 2020

Report Number: PWES-2020-16

Subject: Amend 2020-2024 PWES Five Year Capital Works Plan
CR11/STR Roundabout - Advanced Watermain Modifications

Recommendations

It is recommended:

That the County Road 11 and South Talbot Road Roundabout Advanced Watermain Modifications **be added** to the PWES 2020-2024 Public Works & Environmental Services Five Year Capital Works Plan;

And that the expenditure of \$30,000 from the Watermain Reserve Fund for the Town Water Division to complete the County Road 11 and South Talbot Road Roundabout Advanced Watermain Modifications in 2020 **be authorized**.

Background

The purpose of this report is to obtain Council approval for the Town Water Division to undertake advanced watermain modifications prior to the County of Essex (County) starting construction on their proposed roundabout at the intersection of County Road 11 and South Talbot Road. The roundabout construction is scheduled for construction in 2020.

Comments

During the preparation of the 2020-2024 Public Works & Environmental Services Five Year Capital Works Plan, the County's schedule for the County Road 11 and South Talbot Road roundabout was not finalized. Accordingly, Administration did not include this project in the 2020 PWES Capital Works. The County has since advised that the roundabout construction is proposed to start later this year with required utility relocations commencing immediately.

Administration has had previous discussions with the County regarding this project and was recently provided updated preliminary drawings for review and comment. Based on property constraints, the centre of the proposed roundabout is being shifted easterly in relation to the centreline of the existing intersection. Based on the proposed roundabout configuration, there are a number of existing water valves that will end up in the travelled lanes of the new roundabout. While these valves will remain operational, they will not be situated in optimal locations for safe and timely operation. In addition, significant traffic control procedures are required for works within a roundabout.

Based on the above, Town Water Operators have determined that the subject water valves should be relocated. It is also recommended that existing watermain tees, located immediately adjacent to the water valves, be inspected when the valves are exposed and, if necessary, replaced to extend the design life of the watermain under the proposed roundabout.

Town forces can complete the required works in a timely and efficient manner to minimize cost and the impact to rate payers. Completion of these works in advance of the roundabout construction will also simplify additional watermain lowerings/relocations that will be completed by the County as part of the roundabout construction.

Consultations

Financial Services
County of Essex

Financial Implications

The Town of Tecumseh may be a cost sharing partner with the County for the construction of the County Road 11 and South Talbot Road roundabout. At this time, details of a cost sharing agreement are still being negotiated with the County. Administration will bring forward a future report to Council regarding a cost sharing agreement for this project.

The replacement of the above noted water infrastructure, however, will ultimately be the responsibility of the Town. If these works are included as part of the County project, they will be the subject of a tendering process and related contractor pricing. In order to reduce Town costs, Administration recommends that these works be completed by the Town Water Division in advance of the roundabout construction. The County has requested that this work be undertaken in mid-March and the Town Water Division has confirmed that they can accommodate the County's schedule. The works are estimated to take approximately three days to complete and the Town Water Division will schedule the work to minimize disruption to Town rate payers.

Material and traffic control cost are estimated to be \$30,000.

Administration recommends that funding for this project be provided from the Watermain Reserve Fund in the amount of \$30,000.

Link to Strategic Priorities

Applicable	2019-22 Strategic Priorities
<input type="checkbox"/>	Make the Town of Tecumseh an even better place to live, work and invest through a shared vision for our residents and newcomers.
<input checked="" type="checkbox"/>	Ensure that Tecumseh's current and future growth is built upon the principles of sustainability and strategic decision-making.
<input checked="" type="checkbox"/>	Integrate the principles of health and wellness into all of Tecumseh's plans and priorities.
<input checked="" type="checkbox"/>	Steward the Town's "continuous improvement" approach to municipal service delivery to residents and businesses.
<input type="checkbox"/>	Demonstrate the Town's leadership role in the community by promoting good governance and community engagement, by bringing together organizations serving the Town and the region to pursue common goals.

Communications

Not applicable ☒

Website ☐ Social Media ☐ News Release ☐ Local Newspaper ☐

This report has been reviewed by Senior Administration as indicated below and recommended for submission by the Chief Administrative Officer.

Prepared by:

John Henderson, P.Eng.
Manager Engineering Services

Reviewed by:

Tom Kitsos, CPA, CMA, BComm
Director Financial Services & Chief Financial Officer

Reviewed by:

Phil Bartnik, P.Eng.
Director Public Works & Environmental Services

Recommended by:

Margaret Misek-Evans, MCIP, RPP
Chief Administrative Officer

**Attachment
Number**

**Attachment
Name**

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CR11-STR Intersection – Air Photo