

To: Warden and Members of County Council

From: Director of Public Works

Request for Project Approval and Transfer of Funds – Bobolink Drive Watermain Upgrades, Town of Tillsonburg

RECOMMENDATIONS

- 1. That County Council approve the Bobolink Drive Watermain Upgrades project (Tillsonburg) as part of the 2023 Capital Budget;**
- 2. And further, that County Council authorize the transfer of \$350,000 from the Water – Tillsonburg Reserve to fund the planned design and construction works.**

REPORT HIGHLIGHTS

- The purpose of this report is to obtain County Council approval to include the Bobolink Drive Watermain Upgrades project as part of the 2023 Capital Budget, including accompanying funding in accordance with the County purchasing policy.
- The Bobolink Drive watermain upgrade will serve to address the forthcoming water demands that have resulted from significant development growth which is planned for this area of Tillsonburg.
- Tentatively, design/tender for the Bobolink Drive Watermain Upgrade is planned for Q1 2023, with construction planned for spring/summer of 2023.

Implementation Points

Upon Council approval, Public Works Staff will retain a consulting engineering firm to undertake the detailed design, and issue bid documents on *Bids&Tenders* to obtain pricing for the proposed construction work. Following the review of submissions, staff will execute a contract with the lowest bidder.

Financial Impact

The Bobolink Drive Watermain Upgrade project is being driven by growth needs. While the project was not identified in the 2019 Development Charges (DC) Background Study, staff plan to include this project in the County’s 2024 DC Background Study to determine its eligibility for DC funding.

As shown in Table 1, a detailed cost estimate has been completed for the project and the estimated cost for design and construction is \$330,000. It is further anticipated that approximately \$20,000 will be required for non-refundable HST, contract administration, quality assurance and staff time.

Table 1: Funding Summary for Bobolink Drive Watermain Upgrades

Budget Summary Account / Description	Amount (excluding HST)
960249 Tillsonburg – Town Project Oversizing (Estimated construction cost)	\$275,000
Estimated design cost	27,500
10% contingency	27,500
County staff time (incl. contract admin and quality assurance)	14,192
Non refundable HST (1.76%)	5,808
TOTAL ESTIMATED EXPENDITURES:	\$350,000

This project was not included in the 2023 Capital Budget as the requirement to oversize the existing pipe was only recently made known to staff. The 2023 budgeted closing balance for the Water – Tillsonburg Reserve is approximately \$4.9 million, which is sufficient to fund the additional project.







Communications

Communication with the Town of Tillsonburg’s Engineering and Planning departments has commenced and further communication is planned prior to and during construction. Prior to the start of construction, a construction advisory notice will be issued to directly-affected residences adjacent to the project area (no businesses to be impacted), providing open lines of communication to allow residents to discuss construction details with the project team. Temporary water service connections will be provided to residences and there will be no impact to water services during construction.

Staff will continue to work with key internal stakeholders (County Management staff, Transportation staff, Waste Management staff and Water/Wastewater staff) and external stakeholders, including the Town of Tillsonburg and Tillsonburg residents. This will take place throughout the planning and implementation stages of this project as required to ensure the appropriate level of communication and outreach is maintained, and further ensuring all parties involved are updated on project status and outcomes as needed. This could include, but is not limited to, notices to residents affected by construction, web updates, news releases and social media.

At the west end of Bobolink Drive, temporary road closures are expected; however, access to residential properties will be maintained during construction and any interruptions will be communicated in advance. As construction begins, residents will be informed about road closures and progress through the Oxford County construction projects web page, *Speak Up, Oxford!* and through social media. If needed, expanded advertising may also be considered.

Strategic Plan (2020-2022)

					
WORKS WELL TOGETHER	WELL CONNECTED	SHAPES THE FUTURE	INFORMS & ENGAGES	PERFORMS & DELIVERS	POSITIVE IMPACT
	2.i.	3.iii.			

DISCUSSION

Background

Tillsonburg continues to experience significant development growth at the north end of the town.

An existing watermain (200mm diameter ductile iron pipe) was originally installed in 1995. The existing watermain is required to be upsized to 300mm diameter (PVC pipe) in order to service the increased number of units associated with this upcoming development and to deliver adequate fire flow in an emergency situation within this service area.

Comments

This watermain upgrade is required to provide adequate fire flows to existing and forthcoming plan of subdivision lands currently titled: Northcrest Phase 2, Rolling Meadows and Lindprop Phases 1/2/3. This watermain upsizing requirement has recently been identified (Q4 of 2022) by means of hydraulic water modelling to allow the aforementioned development lands to safely proceed.

The construction limits are from the west end of Bobolink Drive to Woodcock Drive (approximately 65m) as shown in Attachment 1. The scope of work generally includes the following:

- Installation of temporary watermain and services to existing residents;
- Removal of existing 200mm diameter Ductile watermain;
- Supply and installation of new 300mm diameter PVC watermain;
- Supply and installation of new water services;
- Road restoration and asphalt paving; and
- Boulevard and right-of-way restoration.

Detailed design is scheduled to be completed by end of February 2023, so that the tender can be issued in March 2023, pending Council's approval of this report.

Conclusions

It is recommended that Council approve the above-noted project and funding in order to complete the Bobolink Drive Watermain Upgrade project in 2023 in order to meet future growth needs.

SIGNATURES

Report Author:

Original signed by

Kevin Lukawiecki, P.Eng.
Development Review Engineer

Departmental Approval:

Original signed by

David Simpson, P.Eng., PMP
Director of Public Works

Approved for submission:

Original signed by

Benjamin R. Addley
Interim Chief Administrative Officer

ATTACHMENT

Attachment 1 – Project Location Plan