

**To: Warden and Members of County Council**

**From: Director of Public Works**

## **Contract Award – Oxford Road 4, Oxford Road 17 & Lansdowne Avenue Watermain Extension and Sanitary Forcemain: Phase 1 and Phase 2, City of Woodstock**

### **RECOMMENDATIONS**

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- 1. That Oxford County Council award a two-year contract to the low bidder, Omega Contractors Inc., in the amount of \$8,630,999 (excluding HST) for the watermain extension and sanitary forcemain on Oxford Road 4, Oxford Road 17 and Lansdowne Avenue in the City of Woodstock;**
- 2. And further, that County Council authorize additional funding in the amount of \$275,000 to address the 2021 budget shortfall (related to sanitary forcemain), to be financed from the Woodstock wastewater reserve;**
- 3. And further, that as part of the two-year contract award, County Council approve the budgetary commitments of \$4,842,018 (excluding HST), included in the total contract price cited in Recommendation No. 1 of Report No. PW 2021-18, for the respective 2022 phase of the project;**
- 4. And further, that County Council authorize the Chief Administrative Officer and Director of Public Works to sign all documents related hereto.**

### **REPORT HIGHLIGHTS**

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- The purpose of this report is to obtain County Council approval to award the above-noted two-year project to Omega Contractors Inc. in accordance with the County Purchasing Policy.
- The watermain extension will expand upon the existing distribution system(s) by providing new water services along Oxford Road 4, Oxford Road 17 and Lansdowne Avenue. The new sanitary forcemain along Lansdowne Avenue will be an addition to the existing collection system and will also serve to accommodate future growth.
- The proposed capital works are planned to be completed over the 2021 (Phase 1) and 2022 (Phase 2) construction seasons with all watermain and forcemain improvements to be harmonized into one integrated project in order to minimize the extent of road travel disruption to the community and maximize cost efficiencies via project bundling.
- The work is anticipated to begin in July 2021 and be completed by August 2022.

## **Implementation Points**

Upon Council approval, a contract will be executed with the low bidder, Omega Contractors Inc., prior to proceeding with the work.

The scope of work shall be completed under one contract over two years with the low bidder. Phase 1 will include all construction works on Lansdowne Avenue and Oxford Road 4, south of Lansdowne Avenue, with an anticipated timeline of July 2021 to October 2021. Phase 2 will include all construction works on Oxford Road 17 and Oxford Road 4, north of Lansdowne, with an anticipated timeline of May 2022 to August 2022.

The majority of the construction works required for the watermain and forcemain will be installed using an open-cut method, which requires excavation of the existing roads and will impact traffic. Throughout the duration of the construction work on Lansdowne Avenue, Oxford Road 4 and 17 will remain open; however, the Contractor may need to provide single lane closure limited to 500 m in length during the watermain construction. Specifically, partial closure of Oxford Road 4 at the Pittock Reservoir crossing may be required to facilitate watermain installation.

## **Financial Impact**

As shown in the tables below, the fee of \$8,630,999 (excluding HST and applicable taxes) by the low bidder to complete the works includes the cost of construction over 2021 and 2022. Award of this contract will require commitment to a scope of work set to take place throughout the 2021 and 2022 construction seasons.

The construction costs and funding sources for this project are summarized in Table 1 and Table 2 below. Based on the information provided, additional funding is required to cover the cost of the construction contract. In order to proceed with awarding the contract to the low bidder, it is recommended that an additional \$275,000 be transferred from the Woodstock wastewater reserve to fund the anticipated deficit amount related to sanitary forcemain installation.

Table 1: Funding Summary for Phase 1 - Oxford Road 4, Oxford Road 17 & Lansdowne Avenue Watermain Extension and Sanitary Foremain (2021)

2021 Budget Summary Account / Description	2021 Approved Budget	2021 Expenditures (excluding HST)	Deficit Amount (excluding HST)
<b>960170 – Oxford Road 4 &amp; Lansdowne Ave. Watermain</b> <i>(Oxford Road 4 - south of Lansdowne Ave. and Lansdowne Ave.)</i>	\$4,000,000	\$3,440,038	
<b>950174 – Woodstock Wastewater Linear County Road Projects (Sanitary Foremain)</b> <i>(Lansdowne Ave.)</i> (Approved budget: \$1,125,000) (Less other projects: \$775,000)	\$350,000	\$598,943	(\$275,000)
<b>Subtotal</b>	<b>\$4,350,000</b>	<b>\$4,038,981</b>	
<b>Estimated Contract Administration; Inspection &amp; Materials Testing</b>		<b>\$250,000</b>	
<b>Non-Refundable HST (1.76%)</b>		<b>\$71,087</b>	
<b>2021 Expenditures Total</b>		<b>\$4,360,068</b>	<b>\$275,000</b>

Table 2: Funding Summary for Phase 2 - Oxford Road 4, Oxford Road 17 & Lansdowne Avenue Watermain Extension (2022)

2022 Budget Summary Account / Description	2022 Approved Budget	2022 Expenditures (excluding HST)
<b>960170 – Oxford Road 4 Watermain</b> <i>(Oxford Road 4 - north of Lansdowne Ave.)</i>	\$1,575,000	\$1,575,000
<b>960171 – Oxford Road 17 Watermain</b>	\$5,600,000	\$3,017,018
<b>Subtotal</b>	<b>\$7,175,000</b>	<b>\$4,592,018</b>
<b>Estimated Contract Administration; Inspection &amp; Materials Testing</b>		<b>\$250,000</b>
<b>Non-Refundable HST (1.76%)</b>		<b>\$80,820</b>
<b>2022 Expenditures Total</b>		<b>\$4,922,838</b>
<b>TOTAL ESTIMATED CONSTRUCTION EXPENDITURES (2021 &amp; 2022)</b>		<b>\$9,282,906</b>

## Communications







The communication strategy for this project will be similar to other County construction projects. Oxford County staff has already communicated with City of Woodstock staff with respect to the scope of work and planned schedule, and further communication is planned prior to and throughout construction.

A “Community Update” letter will be delivered to nearby property owners, both residential and commercial, and construction signage will be posted at the project location in advance to alert the general public. As construction begins, residents will be informed about lane restrictions, traffic control and progress through a dedicated web page focusing on the several projects starting in Woodstock in 2021 as well as through social media. If needed, additional advertising may be considered.

The County will share a copy of the Community Update with key external stakeholders and advise them of the special website with ongoing project updates. Key partners who may have an interest in this work include: adjacent property owners within the construction limits; local Developers; Regulating Authorities (i.e. Conservation Authority) and CP Rail. The County’s engineering consultant (RJ Burnside) has had communication with CP Rail. CP Rail has reviewed the proposed construction work. The Contractor will be required to undertake the construction in accordance with the CP permit and contract documents.

Staff will continue to work with internal stakeholders (County Management staff, Transportation staff, Waste Management staff and Water/Wastewater staff) and external stakeholders during the execution 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.

## Strategic Plan (2020-2022)

					
<b>WORKS WELL TOGETHER</b>	<b>WELL CONNECTED</b>	<b>SHAPES THE FUTURE</b>	<b>INFORMS &amp; ENGAGES</b>	<b>PERFORMS &amp; DELIVERS</b>	<b>POSITIVE IMPACT</b>
1.i.	2.i.	3.iii.			

## DISCUSSION

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### Background

The City of Woodstock is forecasted to face rapid population growth over the next 10 to 20 years. Within Woodstock, the County owns the municipal water distribution system while the City operates and maintains it. In order to accommodate the existing and long-term growth needs of the City, an extension of the existing water distribution system is required along Oxford Road 17, Oxford Road 4 and Lansdowne Avenue.

The construction of this watermain extension will be done in accordance with the recommended servicing strategy identified in the 2012 City of Woodstock *Water Distribution Master Plan* (by R.V. Anderson Associates Limited) and Oxford County Design Guidelines and Specifications.

The Lansdowne Sanitary Pumping Station (SPS) is currently being designed to service future development for industrial and commercial land in the northeast area of the City of Woodstock. In order to minimize future disruptions and to avoid digging up Lansdowne Avenue twice within a short period, County Staff (in consultation with City Engineering Staff) decided to include the associated forcemain in the contract for the Oxford Road 4 and 17 Watermain Extension project. The forcemain will not be immediately placed into service until the Lansdowne SPS has been commissioned.

The watermain installation on Oxford Road 4 crosses the Pittock Reservoir and CP Rail line. Several installation options were presented by the consulting engineer (RJ Burnside and Associates Ltd.) to install the watermain beneath the reservoir. However, the preferred alternative selected by the County was to attach the watermain to the bridge to cross above the reservoir as it was significantly more economical than the other options and posed less risk than constructing beneath the reservoir. The watermain will cross the CP Rail Corridor at the intersection of Oxford Road 4 and Oxford Road 17. As required by CP Rail, the watermain pipeline crossing the rail shall be encased, installed by trenchless methods and cross the tracks at a right angle, where feasible.

A map identifying the project site location is included as Attachment 1 to this report.

The general scope of work includes:

- Supply and installation (with applicable appurtenances and services) of 400 mm diameter watermain extending from existing watermain on Oxford Road 17 from approximately 100 m west of 14<sup>th</sup> Line to Oxford Road 4, approximately 3 km in length and crossing existing 8 m wide concrete box culvert.
- Supply and installation (with applicable appurtenances and services) of new 400 mm watermain on Oxford Road 4 from Oxford Road 17 to Devonshire Avenue, approximately 2.8 km in length, crossing under existing CP Rail and the Pittock Reservoir.
- Supply and installation (with applicable appurtenances and services) of new 300 mm watermain on Lansdowne Avenue from Springbank Avenue to Halifax Road, and new 400 mm watermain on Lansdowne Avenue from Halifax Road to Oxford Road 4, aggregate length of about 2 km, crossing existing concrete box culvert located approximately 400 m west of Oxford Road 4.
- Supply and installation (with applicable appurtenances and services) of new 300 mm forcemain on Lansdowne Avenue from approximately 500 m west of Oxford Road 4 to approximately 150 m north of Springbank Avenue, approximately 1.6 km in length.

## Comments

A prequalification process was completed ahead of the tendering stage of this project. Eighteen contractors expressed interest and 15 were pre-qualified. The evaluation of submissions were based on a number of factors including contractors' previous project experience with similar projects of scope and size, overall management team background and experience managing projects of this scale.

As this project has the possible risks that would be associated with any construction project of this scale and scope, the successful contractor is also required to secure construction Bonds and Insurance to mitigate risks related to the exposure of financial loss.

Prequalified contractors were eligible to submit bids, and the project was tendered through a competitive bidding process. County staff received the following six bids at tender close on Thursday, April 1, 2021.

Table 3: Summary of Bid Submissions

Contractor	Bid Amount (Excluding HST)
1. Omega Contractors Inc.	\$8,630,999
2. Oxford Civil Group Inc.	\$9,243,374
3. Network Sewer and Watermain Ltd.	\$9,361,103
4. E. & E. Seegmiller Ltd.	\$9,770,427
5. J-AAR Excavating Ltd.	\$10,675,436
6. Viewcon Construction Ltd.	\$11,924,292

Staff have reviewed the submissions and confirmed that the low bid received from Omega Contractors Inc. in the amount of \$8,630,999 (excluding HST) represents good value for the work.

## **Conclusions**

Review of the competitive bid submissions confirms that it is appropriate to award the proposed watermain extension and sanitary forcemain installation works on Oxford Road 4, Oxford Road 17 and Lansdowne Avenue to the low bidder, Omega Contractors Inc. of London, Ontario. As such, it is appropriate to transfer the funds from the Woodstock wastewater reserve in order to award the contract and complete the sanitary forcemain installation.

## **SIGNATURES**

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### **Report Author:**

Original signed by

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Heather Van, P.Eng., PMP  
Project Engineer

### **Departmental Approval:**

Original signed by

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

### **Approved for submission:**

Original signed by

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Michael Duben, B.A., LL.B.  
Chief Administrative Officer

## **ATTACHMENT**

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Attachment 1: Project Site Map, April 1, 2021