



Staff Report

Report To: Council Meeting
From: Magda Badura, CAO/Treasurer
Date: 2024-09-12
Subject: Rodney Sewage Tender authorization

Recommendation:

That West Elgin Council hereby receives the report from M. Badura, CAO/Treasurer re: Rodney Sewage Tender authorization and That West Elgin council approves the tender from Brinam Excavating Ltd. in the amount \$3,362,386.67 plus applicable taxes;

And That, West Elgin Council approves the request for additional engineering services from RV Anderson in the amount of \$44,112.35 plus applicable taxes;

And That West Elgin Council approves additional cost for engineering services for classified areas in the amount of \$41,520.60 plus applicable taxes.

Purpose:

The purpose of this report is to seek council's approval for the necessary work required to complete the Rodney Sewage refurbishment project.

Background:

To date, the design upgrades for the Rodney Wastewater Treatment Plant (WWTP) have been completed. These upgrades include a new headworks building, replacement of the aeration system in existing tanks, replacement of the clarifier mechanism, installation of new blowers, a new indoor chemical storage tank, and upgrades to existing piping systems.

Earlier this year, a tender package was prepared and officially posted on the Municipal website, with a closing date of August 28th, 2024 with the tender results summarized in Table 1 below.

Table 1: Summary of Tenders

#	Contractor	Submitted Tender Value	Corrected Tender Value	Rank
1	Brinam Excavating Ltd.	\$3,362,386.67	N/A	1
2	Stone Town Construction Ltd.	\$3,530,544.00	N/A	2
3	BGL Contractors Co.	\$4,097,300.00	N/A	3

The tendering process was conducted with the assistance of RVA, who helped organize and assist staff with site visits, responding to contractor inquiries, preparing Addenda for contract document clarification, and completing a tender evaluation letter.

During the preparation of the tender documentation, two critical issues were identified:

Scope Change #2: Electrical and instrumentation & controls (I&C) equipment in the RAS/WAS pump room and within 0.46 meters (18 inches) of the aeration tanks were found to be non-compliant with the National Fire Protection Association (NFPA) 820 standards. These areas, classified as Class 1, Division 2, require electrical system upgrades to meet the Division 2 explosion-proof rating. This work was completed before the tender was advertised.

Scope Change #3: During a pre-consultation meeting with the Ministry of the Environment, Conservation and Parks (MECP) to discuss submission requirements for Environmental Compliance Approval (ECA) for Sewage and Air & Noise, it was confirmed that an ECA Air & Noise is mandatory for this facility and cannot be “grandfathered in.” Consequently, the required engineering services to meet the ECA Air & Noise submission requirements were submitted to the Municipality. This work was also completed before the tender was advertised.

Additionally, there will be extra costs for engineering services needed during the construction phase. These services include site inspections, contract administration, construction update meetings, shop drawing reviews, responses to Contractor RFIs, evaluation of Extra Work/Additional Work requests by the Contractor, deficiency tracking, preparation of As-Built Drawings, Operations Manual, and Warranty Services.

Financial Implications:

According to the latest tender results, the Rodney sewer reserves do not have sufficient funds to cover the increasing construction costs. Long-term financing will be necessary to address the funding shortfall needed to complete this project. A detailed budget can be found in Table 2.

Table 2: Cost Estimates

Rodney Sewer Refurbishment Cost Estimates

	<u>YTD Cost</u>	<u>Budget</u>
Engineering Fees	232,930.86	191,184.00
CO#1 - Lagoon Decant System Design	-	65,394.70
SC#2 - Classified Areas	-	41,520.60
SC#3 - Air and Noise	-	44,112.35
SC#4 - CA and Inspection	-	TBD
	<u>\$ 232,930.86</u>	<u>\$ 342,211.65</u>
Lagoon Dredging	622,281.48	617,784.96
Mechanical Upgrades	<u>36,370.97</u>	<u>3,421,564.68</u>
	<u>\$ 891,583.31</u>	<u>\$ 4,381,561.29</u>
Funding Available - ICIP Green Stream	-	1,726,921.50
OCIF	-	1,681,608.03
Rodney Sewer Reserves	-	541,883.86
	<u>\$ -</u>	<u>\$ 3,950,413.39</u>
Short-fall		<u>\$ (431,147.90)</u>

Alignment with Strategic Priorities:

Infrastructure Improvement	Recreation	Economic Development	Community Engagement
<input checked="" type="checkbox"/> To improve West Elgin’s infrastructure to support long-term growth.	<input type="checkbox"/> To provide recreation and leisure activities to attract and retain residents.	<input type="checkbox"/> To ensure a strong economy that supports growth and maintains a lower cost of living.	<input checked="" type="checkbox"/> To enhance communication with residents.

Respectfully submitted by,

Magda Badura, CAO/Treasurer

Report Approval Details

Document Title:	Rodney Sewage Tender Authorization - 2024-37-Administration Finance.docx
Attachments:	<ul style="list-style-type: none">- Tender Results.pdf- R215817-LT-WEIgin-Request for Additional Fees-RFC03-Air Noise.pdf- R215817-LT-WEIgin-Request for Additional Fees-RFC02-Classified Areas.pdf
Final Approval Date:	Sep 9, 2024

This report and all of its attachments were approved and signed as outlined below:

Terri Towstiuc