



Meeting Date: May 1, 2024

Prepared By: Eric Joudrey – Environmental Services Manager

Submitted by: Eric Joudrey - Environmental Services Manager

Report No: PWE 20-2024

Subject: Komoka SCADA System Upgrades

Recommendation:

THAT Report PWE 20-2024 regarding the Komoka SCADA System Upgrades Award be received;

AND THAT the Komoka SCADA System Upgrades be awarded to Eramosa a CIMA+ Company (Eramosa) in the amount of \$275,231.00 (excluding HST);

AND FURTHER THAT the Mayor and Clerk be authorized to execute the necessary contract documents.

Purpose:

To inform and seek Council approval for the consultant award of the Komoka SCADA System Upgrades as a single source award in accordance with the Procurement Policy Section 34: “The Municipality may conduct a single source procurement process where there is more than one source of supply in the open market, but only one source is recommended due to predetermined and approved specifications. The procurement may be conducted using a single source process if the goods and/or services are available from more than one source, but there are valid and sufficient reasons for selecting one supplier.”

Background:

Municipal Water and Wastewater staff along with Eramosa completed a SCADA Road Map to identify long-term plans and goals for their SCADA systems. This Road Map is intended to define the process to upgrade existing systems and deploy technology that provides operations and management with control and monitoring capabilities over their Water and Wastewater SCADA Systems.

The Road Map project resulted in an in-depth knowledge and understanding of the entire Municipal SCADA system by both Middlesex Centre staff and Eramosa resulting in a process to commence with upgrades to the existing systems and recommendations along with timelines for the next ten (10) years. Two foundational projects that upgraded the SCADA network for communications was completed along with the SCADA Standards the next critical path project can commence.

Analysis:

To continue with SCADA revitalization project upgrades to the Komoka server was necessary to be completed first because it has a critical component of the SCADA system called the eRIS server. It is also considered a high priority upgrade due to the obsolescence of some existing server Operating Systems as well as the age of the physical servers and workstations which present a security risk. The is highly specialized work that requires experience and familiarity with the Middlesex Centre SCADA systems.

Eramosa is recommended to be single source awarded this important project due to their significant experience in providing consulting engineering services for SCADA System master planning, instrumentation and control, communications networks, and SCADA system upgrades and long-standing relationship with the Middlesex Centre Water and Wastewater Operations team. Having Eramosa and its team with in-depth local knowledge and experience will provide benefits and insights that can be incorporated into the SCADA upgrades in a cost effective and time efficient way.

Financial Implications:

The Council approved 2024 capital budget for SCADA Replacement is \$300,000.

The consultant fee for undertaking this work is of \$275,231.00 + HST (\$311,011.03). The proposed project cost is approximately \$11,011.03 over the currently approved budget however this work will not be fully completed in 2024 and it is anticipated the current 2024 budget is sufficient to cover the value of the fees in 2024. Since this project will be a multi year project spanning into 2032, the additional budget the on-going budget process for Council consideration and approval through the 2025 budget process.

Strategic Plan:

This matter aligns with following strategic priorities:

- Responsive Municipal Government
- Sustainable Infrastructure and Services

This project will ensure safe and secure automated municipal water and wastewater services for existing and future residents through long term revitalization and planning.

Attachments:

N/A