



Council Report

Report Number: PUR2024-021
Meeting Date: September 24, 2024
Title: 2022-13-CP Water and Wastewater Servicing and Capacity Master Plan Update Change Order
Author and Title: Linda Lee, Buyer
Nafiur Rahman, Supervisor, Environmental Capital Project Management

Recommendation(s):

That Report PUR2024-022 2022-13-CP Water and Wastewater Servicing and Capacity Master Plan Update Change Order, be received;

That the budget be increased by \$169,501.00 (not including HST) to accommodate additional expenditures incurred;

That the additional expenditure of \$169,501.00 required to complete the Water Wastewater Master Plan project be financed from the Development Charges Reserve (3.24140), equally from the Water Treatment and Wastewater Treatment accounts;

That the Department be authorized to issue an increase to the purchase order.

Department Head: _____

Financial/Legal/HR/Other: _____

Chief Administrative Officer: _____

Background:

2022-13-CP Water and Wastewater Servicing and Capacity Master Plan Update was awarded at Council on June 21, 2022 with the following resolution:

11.1.8 PUR2022-024

2022-13-CP Water and Wastewater Servicing and Capacity Master Plan Update

Linda Lee, Buyer

CR2022-207

That Report **PUR2022-024 2022-13-CP Water and Wastewater Servicing and Capacity Master Plan Update**, be received;

That T.Y. Lin International Inc. being the highest scoring proponent, be selected for the award of Request for Proposal 2022-13-CP Water and Wastewater Servicing and Capacity Master Plan Update for the amount of \$713,338.00 not including HST;

That the additional expenditure of \$209,777.00, be financed equally by the Water Treatment and Wastewater Treatment accounts of the Development Charges Reserve Fund;

That subject to receipt of the required documents, the Mayor and Clerk be authorized to execute the contract to award this Proposal; and

That the Procurement Division be authorized to issue a purchase order.

Carried

As noted in the original Council Report it was difficult to accurately estimate the type and extent of field testing required for the assessment of the servicing and capacity study update. Instead, staff considered and received unit prices from the proponent for various field tests in the RFP. The current RFP allowed unit price for each type of field test, as provisional.

As part of this servicing study a flow monitoring field testing program was undertaken to collect flow data within Lindsay, Bobcaygeon and Fenelon Falls sanitary collection systems for the purposes of establishing sanitary flow rates and patterns, as well as assessing the amount of rainfall-derived extraneous flows in the networks and undertaking sanitary system model calibration. Staff utilized the contingency to

authorize this work through a change order based on the unit rate price from the contract.

Based on updated model results for water systems T.Y. Lin is currently reviewing if there is a need for hydrant flow tests to collect model parameter to be used for model calibration. T.Y. Lin has recommended adding six additional tests which would cost \$15,000 based on the unit rate price from the contract.

The level of effort required to complete the study has exceeded what was anticipated when T.Y. Lin submitted the proposal in 2022. In general, the project schedule has had to be extended due primarily to delays in the progress of Growth Management Strategy (GMS) process, which is integral to informing the Infrastructure Planning exercise. This delay also resulted in additional meetings and overall project management effort, as well as some additional technical analysis as the planning forecasts evolved and new considerations were triggered.

Rationale:

Staff recommend that the budget be increased by \$169,501.00 (not including HST) to accommodate additional expenditures incurred.

Other Alternatives Considered:

No other alternative is being considered as a T.Y Lin International Inc. was the awarded Proponent for this work.

Alignment to Strategic Priorities

Servicing Master Planning supports the City’s priority of Good Government by planning for and providing critical assets and infrastructure in an affordable and sustainable manner. Water-wastewater infrastructure is critical in supporting a vibrant and growing economy.

Financial/Operation Impacts:

Funds for 2022-13-CP Water and Wastewater Servicing and Capacity Master Plan Update was approved through the 2022 Capital Budget.

Project Number	Original Project Budget	Other Committed Funds *see below	Project Balance	Purchase Amount (excl. HST)	Field Test Contingency* see below	HST Payable	Total Amount	Project Balance
998210408	\$909,777	\$966,075	(\$56,298)	\$96,245	\$15,000	\$1,958	\$113,203	(\$169,501)

Other committed funds include the amount committed for the original part of the project and estimated internal staff labour charges of \$25,000.

Field Test Contingency amount includes \$15,000 for any additional field testing that may be required, as per the recommendation made by T.Y. Lin.

The additional funds will be financed equally from the Water Treatment and Wastewater accounts of the Development Charges Reserve, based on costs incurred.

Servicing Implications:

Master plans are long-range plans which integrate infrastructure requirements for existing and future land use with environmental assessment planning principles. This Water-Wastewater Servicing and Capacity Master Plan Update will identify all reasonable and feasible servicing solutions and infrastructure improvement projects with associated costs required to address each growth strategy as well as those projects needed for sustainability and security of current and future infrastructure capacity and operations. This Master Plan Update will also be an input into the budget and planning process in development of water-wastewater capital forecasts and work plans for City staff to proceed with those undertakings.

Consultations:

Executive Assistant – Engineering and Corporate Assets

Treasurer

Supervisor of Procurement

Director of Engineering and Corporate Assets

Director of Corporate Services

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Department Head: Juan Rojas, Director of Engineering and Corporate Assets

Department File: 2022-13-CP