



PORT COLBORNE

Subject: Erie Street Watermain Construction – Project Update

To: Council - Public Meeting

From: Public Works Department

Report Number: 2022-211

Meeting Date: September 13, 2022

Recommendation:

That Public Works Department Report 2022-211 be received;

That Council approve extending the contract with Associated Engineering for contract administration and inspection services to project completion at an estimated cost of \$155,000 funded from budget 21C-PW-R48;

That Council approve fully paving Erie Street, and complete select sidewalk improvements to be funded from the 2023 and 2024 Asphalt Resurfacing Programs, and the 2023 Sidewalk Replacement program; and

That Council allocate \$25,000 from 21C-PW-R48 to be used for legal fees.

Purpose:

The purpose of this report is to provide a project update and request additional funding necessary to complete the project.

Background:

The design, inspection, and contract administration for the Erie Street Watermain project was awarded to Associated Engineering Ltd. Upon completion of the design the project was tendered and later awarded to the low bidder, Stonecast Contracting Ltd.

Stonecast Contracting Ltd. and the City entered into a contractual agreement to complete construction works included in the tender which primarily included the installation of new watermain, water services, hydrants, and restoration of disturbed areas within the project limits.

Discussion:

Completed & Outstanding Work to Date

To date the watermain along the length of Erie Street has been installed and commissioned along with the associated hydrants. The watermain has been connected to the existing water system at Neff Street, Killaly Street West, and George Street. Currently the existing watermain and new watermain are both active and Stonecast Contracting's primary focus at this time is replacing and transferring services from the old watermain to the new. As of September 2, 2022, 16 services have been replaced and connected to the new watermain.

The work outstanding consists of watermain connections from the new watermain to Charles Street, Union Street, and Minto Street. Charles Street and Minto Street will also be receiving sample stations to test water within the system. The currently installed hydrants will be moved to provide a greater offset from the roadway and the hydrants from the old system will be removed. There are also minor storm sewer repairs that will be reinstated due to conflicts with the watermain installation. At this time, 40 water services require replacement and connection to the new watermain.

Above ground work will be completed as soon as the above mentioned underground work is completed and consists of road reinstatements, concrete restorations, sod restorations, granular shoulder restorations, road line painting, and general site cleanup.

Project Schedule

The project commenced on January 26, 2022, with an anticipated completion date in mid June 2022. The project was tendered and awarded on the basis of the project being completed within 100 Working Days. The 100 Working Days does not include days that are not suitable for the intended work, such as inclement weather, or for work outside of the project's intended scope. Each day of work outside of the intended scope or day of inclement weather will extend the 100 Working Day timeframe. At this time, the City is working with legal administration and the Contractor to determine the next courses of action due to the extended timeline this project has incurred. At this time, based on the outstanding work to date, the project will extend into late 2022.

Due to the project's extended timeframe, there is the need to extend the originally scoped construction inspection and contract administration with Associated Engineering to ensure that the work being completed is overseen and completed per the specification of the contract. Staff's goal at this time is to receive a suitable construction schedule based on the work that remains incomplete. The total cost of this is unknown at this time as is based on the amount of working days which is contingent upon Stonecast Contracting Ltd.'s construction schedule. Staff are recommending that Council delegate approval to the Director of Public Works to extend the contract with

Associated Engineering for contract administration and inspection services to project completion at an estimated cost of \$155,000 funded from budget 21C-PW-R48. The currently approved Construction Inspection and Contract Administration contract awarded to Associated Engineering totals \$236,315.

Additional Works

Staff are recommending that the asphalt roadway on Erie Street be paved in full instead of paving only the excavated trench areas. Base asphalt would be placed this year due to the potential for this work to take place when temperatures will be subpar for the application of HL3, top asphalt. Top asphalt would then be completed in 2024 to minimize conflict with the warranty period for the works. Staff have requested pricing on these potential change orders and are awaiting actual costs. Staff recommend the funding for this work be funded from the 2023 and 2024 Annual Asphalt Resurfacing programs. The work would entail the removal of remaining asphalt, placement of new base asphalt, and associated granular shouldering work.

The tender items within the contract allow costs for sidewalk panels to be replaced that are directly impacted by the service installations but there are issues with adjacent panels in many areas that staff recommend be replaced at the same time. Staff recommend that the additional panel work be funded from the 2023 Annual Sidewalk Replacement Program. This additional cost will not replace the sidewalk in full or upgrade it to the new standard 1.5-meter width; it will focus on correcting known discontinuities within the area only.

Due to the unknown costs at this time, it is recommended that council delegate approval of this work to the Director of Public Works to ensure the work can be completed during the contract period, and at a cost that is reflective of today's typical asphalt and concrete pricing.

Financial Implications:

Contract Administration & Inspection Services

- An upset limit of \$155,000 to be approved and funded through the \$1,880,000 project budget, Project ID 21C-PW-R48.

Road & Sidewalk Improvements

- Asphalt works will impact the 2023 and 2024 Annual Road Resurfacing program budgets.
- Sidewalk works will impact the 2023 Annual Sidewalk Replacement program budget.

Legal Fees

- Staff are requesting \$25,000 funding from the project budget be allocated for legal fees.

General Summary of Project Costs:

	Approved Budget	Awarded Contract Price	Additional Funds Requested	Budget Remaining
Contract Administration & Inspection	\$1,880,000	\$236,315.00	\$155,000	\$395,255.50
Construction		\$1,068,429.50		
Legal Fees			\$25,000	

Strategic Plan Alignment:

The initiative contained within this report supports the following pillar(s) of the strategic plan:

- City-Wide Investments in Infrastructure and Recreational/Cultural Spaces

Conclusion:

The Erie Street Watermain project has experienced delays and staff are working to ensure the remainder of the project is completed in a cost-efficient manner, and in the best interests of residents in the surrounding area of Erie Street.

Respectfully submitted,

Steve Shypowskyj
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Respectfully submitted,

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Report Approval:

All reports reviewed and approved by the Department Director and also the City Treasurer when relevant. Final review and approval by the Chief Administrative Officer.