

To: Chief Administrative Officer **Date:** August 16, 2021
From: Rob Racine, Engineering Technologist III – Capital Projects
Subject: **Falcon Lift Station and Forcemain Upgrade Award Report**

Recommendation(s)

1. That the ITT 2021-005 – Falcon Lift Station and Forcemain Upgrade contract be awarded to Timbro Contracting Ltd. for \$939,150.00 excluding GST;
2. That the Replacement of Falcon Pump Station capital project be increased by \$700,000.00 with funding from the Sewer Capital Reserve Fund;
3. That the Mayor and CAO be authorized to execute the contract documents on behalf of Mayor and Council; and
4. That, notwithstanding Policy FIN.24 (A) – Policy and Procedure Manual, approval of any future change orders relating to the contract, within the approved budget, be delegated to the Director of Engineering & Public Works.

Purpose

The purpose of this report is to award ITT (Invitation to Tender) 2021-005 – Falcon Lift Station and Forcemain Upgrade contract to Timbro Contracting Ltd. for the lowest compliant bid of \$939,150.00 excluding GST and to increase the Replacement of Falcon Pump Station capital project an additional \$700,000.00 with funding from the Sewer Capital Reserve Fund.

Background

Located on Falcon Crescent, the Falcon Lift Station (pump station) services a relatively small, low density, residential subdivision west of Wren Street and north of Silverdale Avenue. The pump station was constructed in 1971 and has reached the end of its service life. The existing station is operating with an undersized wet well with no generator back up power which, may have led to two houses flooding in the past.

The proposed work involves constructing a new pump station adjacent to the existing to correct a private property encroachment issue. The footprint of the existing station partially occupies private property. The proposed location is in the centre of the Falcon Crescent cul-de-sac which, required the coordination of BC Hydro, Telus and Shaw Communications to move an existing power pole to accommodate the new pump station. This work by the third-party utilities was carried out in 2020 at a cost of \$59,457.44 which was funded from the Replacement of Falcon Pump Station capital project budget.

The project includes a new wet well, at-grade reinforced concrete roof slab, pumps, controls, back-up generator, valve chamber, forcemain and road works. The road works will primarily be completed in the cul-de-sac and will include curb, gutter, asphalt paving and drainage improvements.

With the proposed pump station being relocated to the centre of the cul-de-sac, the streetscape

and the overall look of the neighbourhood will change. In anticipation of this, public consultation occurred on February 12, 2021 (Attachment A) to inform the residents of the project and the proposed design. The area around the station will be raised slightly and will be surrounded by roll-over and barrier curb. Parking is typically a primary concern for residents and the proposed design retains on-street parking with equivalent storage volumes. During the public consultation, two residents provided feedback and their comments were addressed and incorporated into the design.

Discussion and Analysis

The Invitation to Tender (ITT) 2021-005 for the Falcon Lift Station and Forcemain was posted to BC Bid and the City's competitive bidding website. The ITT closed on July 15, 2021, and four compliant bids were received.

The Timbro Contracting Ltd. submission was the lowest compliant bid and meets the general requirements of the project. The Timbro Contracting Ltd. bid is considered fair market value.

Council Goals/Objectives

This project is aligned with three of Council's goals/objectives as outlined below:

- **Safe Community** – This project was identified through scheduled inspections by an engineering consultant and was flagged for replacement. To ensure vehicle, cyclist and pedestrian safety on City bridges, staff conduct inspections to identify deficiencies for inclusion into the Capital Plan.
- **Secure Finances, Assets and Infrastructure** – Industry standard competitive procurement practices were followed to retain the consultant and contractor to ensure fair market value. The project has been designed by good civil engineering practice and will be constructed under a contract that requires quality materials and workmanship to ensure that the proposed asset performs through its design life.
- **Organizational Excellence** – This project will be administered through established practices that balance quality of product, cost, environmental best management practices and timely delivery.

Financial Implications

This project is Council approved work and part of the 2021 Capital Plan through carry over funding from 2020. A summary of project costs is listed below:

Project Costs:		
ITT 2021-005	\$986,107.50	For Award (including GST)
Onsite Engineering Ltd.	\$38,702.80	Previously Awarded
Materials Testing	\$5,000.00	Estimated
Project Allowance	\$100,000.00	Estimated
Total Project Cost (including GST)	\$1,129,810.30	
Less GST Rebate	(\$53,800.49)	
Total Net Project Cost	\$1,076,009.81	

Project Funding:	
Project ID	Value
98612 – Replacement of Falcon Lift Station	\$362,604.00
98668 – Replace Falcon Pumps	\$23,395.00
SCRF – Sewer Capital Reserve Fund	\$700,000.00
Total Budgeted Funding	\$1,085,999.00

With the proposed budget allocations outlined above, the project should be fully funded.

Communication

Preliminary communication for this project has taken place through the public consultation process for the residents living in the cul-de-sac. Communication for construction will be through letters and digital media. A “Notice to Residents” will be delivered to the residents in proximity of the project site. The notices will contain typical information including: a brief description of the scope of work, schedule, impacts to traffic and contacts for the contractor and Engineering and Public Works staff.

Broader communications of the project and detour will be issued through the City’s website, Facebook and Twitter feeds.

Summary and Conclusion

It is recommended that Timbro Contracting Ltd. be awarded contract ITT 2021-005 – Falcon Lift Station and Forcemain Upgrade for their bid of \$939,150.00 excluding GST and that the Replacement of Falcon Pump Station capital project be increased by \$700,000.00 with funding from the Sewer Capital Reserve Fund.

Report Prepared by: Rob Racine, Engineering Technologist III – Capital Projects

Reviewed by: Tracy Kyle, Director of Engineering & Public Works

Approved for Inclusion: Barclay Pitkethly, Deputy Chief Administrative Officer

Attachment

Attachment A: Public Consultation Notice, February 12, 2021