

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON FEBRUARY 21, 2018
FROM:	KELLY SCHERR, P.ENG. MANAGING DIRECTOR OF ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	COLONEL TALBOT PUMPING STATION CONSULTING FEE INCREASE

RECOMMENDATION

That, on the recommendation of the Managing Director of Environmental and Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to the design and contract administration for the Colonel Talbot Pumping Station (PS):

- (a) the value of the total detailed design and contract administration fees for Stantec Consulting Ltd., **BE INCREASED** by \$487,082.20 to \$1,359,550.60, including contingency, excluding HST to cover additional efforts required as a result of additional work scope required, as per Procurement of Goods and Services Policy Clause 20.3e;
- (b) The Civic Administration **BE AUTHORIZED** to undertake all administrative acts that are necessary in connection with this project;
- (c) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached, hereto, as Appendix "A";

2015-19 STRATEGIC PLAN

This project supports the City of London Strategic Plan: Building a Sustainable Infrastructure by constructing robust infrastructure, enabling responsible growth and protecting our heritage resources.

PREVIOUS REPORTS PERTINENT TO THIS MATTER

CWC Report of 2015-12-01, Appointment of Consultant for Environmental Assessment, Design and Contract Administration for the Colonel Talbot Pumping Station & Sanitary Servicing Works.

Southwest Area Sanitary Servicing Master Plan:
<http://www.london.ca/residents/Environment/EAs/Pages/SW-Area-Sanitary-Servicing-Master-Plan.aspx>

BACKGROUND

Purpose

To seek Council approval to increase the value of the detailed design assignment for Stantec Consulting Ltd. (Stantec) in consideration of additional work scope required as a result of findings during the Municipal Class Environmental Assessment and coordination with other Divisions within the City.

Context

In 2014, the City completed the Southwest Area Sanitary Servicing Master Plan (Master Plan) which developed a sanitary servicing strategy for the Lambeth, North Lambeth, North Talbot and Bostwick neighbourhoods, as defined by the Southwest Area Plan (SWAP). The Master Plan considered alternatives for the sanitary servicing strategy for growth within the study area. The Master Plan recommended the construction of a new pumping station, forcemain and a trunk sewer to provide servicing for portions of southwest London. Ultimately, this station can send wastewater to either the Oxford WWTP or Greenway WWTP. The ability to switch flows between treatment plants will allow sewer operations staff to optimize the use of existing treatment plant capacity, thereby postponing the need for treatment plant expansions.

The contract for engineering services for this project was approved by Council for award to Stantec at a price of \$872,468.40 (including contingency) on December 8, 2015. The first construction contract under this project was tendered and closed on January 17, 2018, with three more construction projects to be tendered by April 2018.

DISCUSSION

The original scope of engineering services awarded in 2015 was based on the preliminary work completed in the Southwest Area Sanitary Servicing Master Plan. As part of the 2015 assignment, a more detailed environmental assessment was completed for the Colonel Talbot Pumping Station and forcemain component of the master plan. The Municipal Class Environmental Assessment (Class EA) for the Colonel Talbot Pumping Station considered the overall servicing strategy included in the master plan and developed specific alternatives for the proposed Colonel Talbot Pumping Station. These alternatives included different pumping station locations and forcemain alignments. During this EA process, it became apparent that the high-level concept for the pumping station presented in the Master Plan needed significant changes in order to better coordinate with other work in the area, to minimize the impacts to residents, and to maximize the opportunity to provide servicing to future developable lands.

The most significant change suggested in the Colonel Talbot EA was the routing of new forcemains and gravity sewers along the entirety of Colonel Talbot Road to North Street and through Springbank Park. While this did solve many problems associated with the Boler Road routing proposed in the master plan, it also required additional work on the part of the consultants in order to design an additional 2 kilometers of sewer and administer the resulting construction projects. This change of route resulted in higher engineering costs, but reduced the estimated construction cost by approximately \$700,000 and avoided the social impact of major construction along Boler Road and within the Boler Road Commissioners Road intersection.

The Class EA preferred alternative also requires further additional archaeological, heritage and arboricultural studies not originally anticipated at the time of the original consultant assignment, as well as upgrades to the Southwinds Pumping Station and the provision of a pumped emergency overflow connection at Colonel Talbot Pumping Station.

Coordination with other city divisions has also lead to additional design work. This includes watermain and water service replacement along North Street, as well as new sidewalks along Colonel Talbot Road. The Consultant was required to attend multiple coordination meetings and was responsible for the preparation of, and attendance at, a public update meeting, once the scale of the construction projects became clear.

Given their knowledge and experience on the project, Stantec was requested to submit a work plan to complete the additional work required by the preferred environmental assessment option. This work plan, along with the detailed design and construction administration, also includes other tasks, such as construction supervision and site inspection, for the full project moving forward.

Staff have reviewed the fee submission in detail, considering the fees submitted under the original contract. Staff have confirmed that submitted fees are consistent with those submitted through the original competitive process. Staff also reviewed the time allocated to each project related task. Staff can confirm that the amount of time allocated to the additional project tasks is consistent with prior projects of a similar nature that have been awarded through a competitive process. In general, all of the submitted costs were found to be reasonable and a good value for the City.

To assess the value of these fees to the City in the context of the value of the works being undertaken, the total estimated value of the project from the Class EA was \$10,708,500. With this increase in fees, the total for engineering fees for Class EA, detailed design and contract administration would represent 12.78% of the total value. No new agreement will be issued as a result of these changes, rather only a change will be made to the scope of the original agreement, and the resulting increase in approved fees.

CONCLUSIONS

The Colonel Talbot Pumping Station, along with the associated sewers and forcemains, is a significant project that will provide improved performance and better operational flexibility for Wastewater Operations. In this way, it will lead to enhanced sanitary servicing to residents in southwest London and deliver good value to the City of London. The requested fee increase provides a net benefit to the City by reducing costs and improving the end product and is, therefore supported by Wastewater Operations project staff.

Acknowledgements

This report was prepared with the assistance of Kirby Oudekerk, P.Eng., Environmental Services Engineer.

PREPARED BY:	REVIEWED & CONCURRED BY:
GEORDIE GAULD DIVISION MANAGER WASTEWATER TREATMENT OPERATIONS	SCOTT MATHERS, P.ENG. DIRECTOR-WATER AND WASTEWATER
RECOMMENDED BY:	
KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR OF ENVIRONMENTAL & ENGINEERING SERVICES & CITY ENGINEER	

Attach: Appendix "A" – Sources of Financing
CC. John Freeman – City of London
Marta Semeniuk- City of London
Stantec Consulting