

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON OCTOBER 20, 2020
FROM:	KELLY SCHERR, P. ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	AWARD OF CONSULTING ENGINEERING SERVICES FOR DETAILED DESIGN OF THE SPRINGBANK RESERVOIR 1 AND 3 ROOF MEMBRANE REPLACEMENT AND RESERVOIR REPAIRS RFP 20-44

RECOMMENDATION

That on the recommendation of the Managing Director, Environmental and Engineering Services and City Engineer, the following actions **BE TAKEN** with respect to the award of consulting engineering services for RFP 20-44 Detailed Design of the Springbank Reservoir 1 and 3 Roof Membrane Replacement and Reservoir Repairs (EW3583):

- (a) The proposal submitted by R.V. Anderson Associates Limited, 557 Southdale Road East, Suite 200, London Ontario N6E 1A2, in the amount of \$294,901.00, including \$67,718 contingency, excluding H.S.T., **BE AWARDED** in accordance with Section 15.2 (e) of the City of London's Procurement of Goods and Services Policy;
- (b) The financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached, hereto, as Appendix "A";
- (c) The Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project; and
- (d) The Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to effect these recommendations.

PREVIOUS REPORTS PERTINENT TO THIS MATTER

- None

2019-2023 STRATEGIC PLAN

This report supports the Strategic Plan in the following areas:

- Building a Sustainable City:
 - Infrastructure is built, maintained and operated to meet the long-term needs of our community;
- Leading in Public Service:
 - Trusted, open, and accountable in service of our community;
 - Exceptional and valued customer service; and
 - Leader in public service as an employer, a steward of public funds, and an innovator of service.

BACKGROUND

Purpose

This report recommends that R.V. Anderson Associates Limited be appointed as the consultant to undertake the Detailed Design of the Springbank Reservoir 1 and 3 Roof Membrane Replacement and Reservoir Repairs (EW3583).

Context

The City of London inspects the drinking water reservoirs at Springbank every 5 years as part of its ongoing monitoring of the condition of these critical pieces of infrastructure. Based on the most recent inspections conducted in 2018, it was identified that the roof membranes of both the existing Springbank 1 and Springbank 3 Reservoirs were nearing the end of their useful life, and would require replacement within the next 5 years.

This assignment is to renew Springbank Reservoir 1 and Springbank Reservoir 3 by replacing the roof membranes and making other repairs related to structure and water tightness in 2021 and 2022 so that these important pieces of infrastructure continue to function and so we maximize their remaining useful life.

Appendix B Location Plan for Springbank Reservoirs 1 and 3 is attached for reference.

DISCUSSION

Springbank Water Reservoirs

The City of London Water Supply System includes several water storage reservoirs used for balancing flows for domestic drinking water, emergency firefighting needs and to provide storage in the event of an interruption in the water supply from either of the Lake Huron Area Water Supply System or the Elgin Area Water Supply System. Three of these reservoirs are located within the Springbank complex.

Recent Inspections have identified the need to replace the roof membranes on both the Springbank Reservoir 1 and Reservoir 3 and perform repairs to retain the integrity of the roof structures of both reservoirs. There have also been leakage tests undertaken in the past (most recently in 2015) which identified a need to perform repairs.

The roof membrane of Springbank Reservoir 1 was last replaced in 1993. The roof membrane of Springbank Reservoir 3 was last replaced in 1992, with further improvements to roof drainage made in 1998.

Given the upcoming Replacement and Expansion of the Springbank Reservoir 2 planned for 2023, it is desirable to time this work so that no more than one Reservoir is out of service at a time.

The City will also be reinstating existing Parks and Recreation uses, as well as undertaking a review of the reinstatement of the roof of Springbank Reservoir 3 for potential acceptable uses.

Currently the roof of Reservoir 1 is used as a soccer playing field managed by Parks and Recreation. The Springbank Community Gardens are located to the south of Reservoir 3. It is possible that there may be some disruption to the community gardens as part of this project. A task for the design consultant will be to explore ways to minimize this disruption. The consultant will also consider any ongoing or completed environmental assessments and master plans in the area.

Procurement Process

The engineering consultant selection procedure for this project utilized a grouped consultant selection process developed in partnership with the Purchasing and Supply Division, subsequently approved by Council June 12, 2018. This two-stage grouped procurement process is in accordance with Section 15.2(e) of the Procurement of Goods and Services Policy. This project is being considered with other large scale water facilities projects as the group.

The first stage of the process is an open, publicly advertised Request for Qualifications (RFQ). A Statement of Qualifications (SOQ) submission was received from a province-wide group of seven prospective consultants. The Statement of Qualifications were evaluated by Environmental and Engineering Services resulting in a short-list group of five engineering consulting firms. This short list of five firms will be retained for a two-year period (through this procurement period) at which time the Request for Qualifications process will be initiated again.

The second stage of the process is a competitive Request for Proposal exercise. Consultants from the short listed group are invited to submit a formal proposal to undertake a specific engineering assignment. All five consultants were invited to submit a proposal for this assignment.

The City's evaluation team determined that the proposal provided by R.V. Anderson Associates Limited (RVA) provided the best value. RVA has extensive experience with this type of work. RVA's fees were within the budget for the project. Overall, their proposal met all of the key project requirements and their staff are qualified to undertake the required engineering services.

Scope of Work

The scope of the project is to provide high quality Consulting Engineering Services for undertaking the detailed design of the Springbank Reservoir 1 and 3 Roof Membrane Replacement and Reservoir Repairs.

This project will:

- Carry out preliminary and detailed design for the roof membrane replacement and reservoir repairs for Springbank Reservoirs 1 and 3 including:
- Identifying access and staging areas
- Assess Archeological potential on the sites (Stage 1 and 2 Reviews included within scope). Potential Stage 3 or Stage 4 Reviews if required would be addressed under the project contingency ; and
- Undertake scoped environmental reviews to provide protection and mitigation measures for surrounding Environmentally Sensitive Areas

For this particular type of work, there is uncertainty as to the duration of construction prior to the start of detailed design. Due to this, construction administration fees are not included in this award and will be awarded at a future Civic Works Committee meeting.

Project Costs

RVA's fee submission of \$294,901, including \$67,718 contingency, excluding H.S.T., is within the budget allocation for this work. The project's evaluation team reviewed RVA's proposal and found it met all of the key project requirements.

CONCLUSIONS

The proposed consulting team, R.V. Anderson Associates Limited, has extensive experience with similar work and is well qualified to undertake the required engineering services. Based on the review by the evaluation team, it is determined that retaining RVA is in the best financial and technical interests of the City. It is recommended that R.V. Anderson Associates Limited be awarded this consulting assignment to undertake all tasks related to Detailed Design of the Springbank Reservoir 1 and 3 Roof Membrane Replacement and Reservoir Repairs.

PREPARED BY:	REVIEWED & CONCURRED BY:
AARON ROZENTALS, P. ENG. DIVISION MANAGER, WATER ENGINEERING	SCOTT MATHERS, MPA, P. ENG. DIRECTOR, WATER AND WASTEWATER
RECOMMENDED BY:	
KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR, ENVIRONMENTAL AND ENGINEERING SERVICES AND CITY ENGINEER	

October 7, 2020

Attach: Appendix "A" – Sources of Financing
Appendix "B" – Location Plan for Springbank Reservoirs 1 and 3

CC. John Simon, Manager, Water Operations
Scott Koshowski – Environmental Services Engineer, Water Operations
John Freeman – Manager, Purchasing & Supply
Chris Ginty – Procurement Officer, Purchasing & Supply
Gary McDonald – Budget Analyst, Finance & Corporate Services
Zoran Filinov, P.Eng. – Vice President, R.V. Anderson Associates Limited
Dave Evans, P.Eng. – R.V. Anderson Associates Limited
John Tyrrell, P.Eng. – R.V. Anderson Associates Limited
Alan Dunbar - Manager, Financial Planning & Policy
Jason Davies - Manager, Financial Planning & Policy

APPENDIX 'A'

#20143

Chair and Members
Civic Works Committee

October 20, 2020
(Appoint Consulting Engineer)

**RE: RFP 20-44 - Detailed Design of the Springbank Reservoir 1 and 3 Roof Membrane Replacement and Reservoir Repairs
(Subledger FW200001)
Capital Project EW3583 - Springbank Reservoir 1 & 3 Protective Membrane
R.V. Anderson Associates Limited - \$294,901.00 (excluding H.S.T.)**

FINANCE & CORPORATE SERVICES REPORT ON THE SOURCES OF FINANCING:

Finance & Corporate Services confirms that the cost of this project can be accommodated within the financing available for it in the Capital Works Budget and that, subject to the adoption of the recommendations of the Managing Director, Environmental & Engineering Services & City Engineer, the detailed source of financing for this project is:

<u>SUMMARY OF ESTIMATED EXPENDITURES</u>	<u>Approved Budget</u>	<u>Committed to Date</u>	<u>This Submission</u>	<u>Balance for Future Work</u>
Engineering	\$311,793	\$11,702	\$300,091	\$0
Construction	183,207			183,207
City Related Expenses	5,000			5,000
NET ESTIMATED EXPENDITURES	<u>\$500,000</u>	<u>\$11,702</u>	<u>\$300,091</u>	<u>\$188,207</u>

SUMMARY OF FINANCING:

Drawdown from Capital Water Reserve Fund	\$500,000	\$11,702	\$300,091	\$188,207
TOTAL FINANCING	<u>\$500,000</u>	<u>\$11,702</u>	<u>\$300,091</u>	<u>\$188,207</u>

1) **Financial Note:**

Contract Price	\$294,901
Add: HST @13%	38,337
Total Contract Price Including Taxes	333,238
Less: HST Rebate	33,147
Net Contract Price	<u>\$300,091</u>

JG

Jason Davies
Manager of Financial Planning & Policy

Appendix B



RFP20-44 Springbank Reservoirs 1 and 3 Roof Membrane Replacement and Repairs

Location Plan Springbank Reservoir #1 and Reservoir #3

