



Report to: General Committee

Meeting Date: April 16, 2024

SUBJECT: Award of RFP 009-R-24 Consulting Services for CIPP
Watermain Rehabilitation Design

PREPARED BY: Prathapan Kumar, Senior Manager - Infrastructure,
Environmental Services, Ext. 2989
Flora Chan, Senior Buyer, Ext. 3189

RECOMMENDATION:

- 1) That the report entitled “Award of RFP 009-R-24 Consulting Services for CIPP Watermain Rehabilitation Design” be received; and,
- 2) That Contract 009-R-24 Consulting Services for CIPP Watermain Rehabilitation detailed design be awarded to the highest ranked / lowest priced Bidder, Accardi Schaeffers & Associates Ltd. in the amount of \$308,827.35, inclusive of HST; and,
- 3) That a 10% contingency in the amount of \$30,882.74 inclusive of HST, be established to cover any additional designs costs and that authorization to approve expenditures of the contingency amount up to the specified limit be in accordance with the Expenditure Control Policy; and,
- 4) That the award for detailed design services in the amount of \$339,710.09 (\$308,827.35 + \$30,882.74) be funded from the account 053-6150-24262-005 “CI Watermain Rehabilitation Design”, with an available budget of \$466,600; and,
- 5) That remaining funding of \$126,889.91 (\$466,600.00 less \$339,710.09) be returned to the original funding source; and
- 6) That the contract administration services (inclusive of 10% contingency) be awarded to Accardi Schaeffers & Associates Ltd in the amount of \$362,959.20 subject to Council adoption of the 2025 capital budget request; and
- 7) That the future Purchase Order for contract administration be updated to reflect the actual construction time required based on the final design; and
- 8) That Staff be authorized and directed to do all things necessary to give effect to this resolution.

EXECUTIVE SUMMARY:

Not Applicable

PURPOSE:

To obtain approval to award the contract for consulting engineering services (Design and Contract Administration) to reline the existing iron watermain using the Cured In Place Pipe (CIPP) method.

BACKGROUND:

The replacement/ rehabilitation of existing iron watermain is consistent with the City’s strategy to upgrade aged and deficient watermain to improve supply capacity and reliability. Rehabilitating old ductile iron watermain will also offer improved reliability (less risk of breaks) as well as improve water quality and flows for domestic and fire demand. The rehabilitated ductile iron watermain will have an extended service life of 50 years.

The scope of work includes, but is not limited to the following:

- Background Review and Data Collection
- Topographic Survey
- Sub Surface Utility Engineering Survey
- Geotechnical Investigation
- Tree Assessment
- Preliminary Design and Cost Estimates
- Detailed Design and Cost Estimates
- Preparation of Tender Documents
- Contract Administration

Project TimeLine:

- Design completion by Nov 2024
- Construction between April - Nov 2025

BID INFORMATION:

Bids closed on	March 29, 2024
Number picking up bid documents	5
Number responding to bid	2

PROPOSAL EVALUATION:

The two-staged evaluation was based on pre-determined criteria as detailed in the Request for Proposal: 20% for experience/past performance, 20% for qualification and experience of the project manager and team, 30% for project delivery, and 30% for price, totaling 100%.

Bidder	Score
Accardi Schaeffers & Associates Ltd.	94.6

The recommended consultant, Accardi Schaeffers & Associates Ltd., demonstrated a good understanding of the project, had an acceptable qualified project team and illustrated a satisfactory plan and methodology for the project.

FINANCIAL CONSIDERATIONS

Recommended bidder	Accardi Schaeffers & Associates Ltd (Highest ranked / lowest priced bidder)	
Current budget available	\$ 466,600.00	053-6150-24262-005 CI Watermain Rehabilitation Design
Less cost of award	\$ 308,827.35	Cost of Award for Design*
	\$ 30,882.74	Contingency (10%)
	\$ 339,710.09	Total for Design (inclusive of HST)
	\$ 329,962.91	Cost of Award for Contract Administration (CA)**
	\$ 32,996.29	Contingency (10%)
	\$ 362,959.20	Total for Contract Administration (inclusive of HST)
	\$ 702,669.29	Total Award
Budget remaining after design award	\$ 126,889.91	*** (\$466,600.00 - \$339,710.09)

*The cost of award includes a cash allowance of \$14,000.00 for tree assessment and Region of York Road Occupancy fees.

**The award of contract administration (CA) is subject to Council adoption of the 2025 budget. The cost estimate for CA service is based on an estimated construction period of 40 weeks. The construction period may change subject to detailed design and therefore the purchase order for CA services may need to be adjusted.

***The remaining budget in project #24262 “CI Watermain Rehabilitation Design” in the amount of \$126,889.91 will be returned to original funding source.

OPERATING BUDGET AND LIFE CYCLE IMPACT:

This project is a capital project funded from the Life Cycle Reserve. The 2024 Life Cycle study will be updated to reflect the updated costs upon completion of the design. As this is a capital project, there is no incremental impact to the operating budget.

ENVIRONMENTAL CONSIDERATIONS:

The consultant will oversee the construction contract and review, monitor and ensure compliance with contractor environmental submissions. Additionally, they will maintain environmental compliance records complying with environmental statutes and regulations

ALIGNMENT WITH STRATEGIC PRIORITIES:

The proposed iron watermain rehabilitation is aligned with City’s goal to provide better quality services to the public and is consistent with the Building Markham’s Future Together strategic priority on the “Growth Management” and “Environment” as it considers sustainability on the built environment.

BUSINESS UNITS CONSULTED AND AFFECTED:

Finance department has been consulted and their comments have been incorporated.

HUMAN RESOURCES CONSIDERATIONS

Not Applicable.

RECOMMENDED BY:

Eddy Wu, Director
Environmental Services

Morgan Jones, Commissioner
Community Service

ATTACHMENTS:

Attachment A – Location Map