



Report to: Development Services Committee

Meeting Date: November 29, 2022

SUBJECT: Award of RFP 200-R-22 Consulting Engineering Services for the Detailed Design of the Markham Centre Trails (Phase 3) and Rouge Valley Trail (Phase 4B)

PREPARED BY: Lily Li, Capital Works Engineer, Ext. 4055
Alain Cachola, Sr. Manager Infrastructure & Capital Works, Ext. 2711
Tony Casale, Senior Construction Buyer, Ext. 3190

RECOMMENDATION:

1. That the report entitled “Award of RFP 200-R-22 - Consulting Engineering Services for the Detailed Design of the Markham Centre Trails (Phase 3) and Rouge Valley Trail (Phase 4B)” be received;
2. That the contract for consulting engineering services for the detailed design of the Markham Centre Trails (Phase 3) and Rouge Valley Trail (Phase 4B) be awarded to the highest ranked, 2nd lowest priced bidder, Aquafor Beech Limited in the amount of \$523,201.08, inclusive of HST;
3. That a 10% contingency in the amount of \$52,320.11 inclusive of HST, be established to cover any additional consulting services to deliver the study and that authorization to approve expenditures of the contingency amount up to the specified limit be in accordance with the Expenditure Control Policy;
4. That the Engineering Department Capital Administration fee in the amount of \$69,796.91, be transferred to revenue account 640-998-8871 (Capital Administration Fee); and
5. That the cost in the amount of \$645,318.10 (\$523,201.08 + \$52,320.11 + \$69,796.91) be funded from accounts 083-5350-22033-005 and 083-5350-22034-005 with budget available of \$1,068,200.00; and,
6. That the remaining budget in the amount of \$150,000.00 be used for permits, indigenous consultation and fees related to the acquisition of land for Rouge Valley Trails (Phase 4B); and,
7. That the remaining budget in the amount of \$272,881.91 be returned to the original funding source in the amount of \$177,373.24 to DC and \$95,508.67 to Non-DC fund; and,
8. That Staff be authorized and directed to do all things necessary to give effect to this resolution.

PURPOSE:

The purpose of this report is to obtain Council approval to award the contract for the detailed design of the Markham Centre Trails Phase 3, located on the south side of the Rouge River, from Warden Ave to Verdale Gate and Rouge Valley Trail Phase 4B, from 14th Avenue to Donald Cousens Parkway.

BACKGROUND:Markham Centre Trails (MCT)

The City has completed the design and construction of Markham Centre Trails Phase 1 from Warden Avenue to Birchmount Road on the north side of the Rouge River. Detailed Design of the Markham Centre Trails Phase 2 is complete and construction is underway, scheduled to be completed by end of November 2023.

Markham Centre Trails Phase 3 represents the next stage of trail network to be constructed within Markham Centre (Attachment 'A').

Rouge Valley Trail (RVT)

The construction of the majority of the trail network for the Rouge Valley Trail has been completed (Attachment 'B'). The remaining section of Rouge Valley Trail, from 14th Avenue to Donald Cousens Parkway is the last section to be constructed (Phase 4B). This report is to provide detailed design and tender document preparation services for the remaining section of the Rouge Valley Trail. The proposed work includes formalization of the new pathway and the introduction of a new pedestrian bridge in the Rouge River Valley.

The estimated design completion date for Markham Centre Trails Phase 3 is July 31, 2023 with construction to commence end of 2023 / Spring 2024 and completed by Fall 2024. The estimated design completion date for Rouge Valley Trail Phase 4B is April 2024 with construction to commence in Summer of 2024, completed by Summer of 2025, subject to acquisition of lands required for the trail.

Bid Information (200-R-22)

Bid closed on	September 22, 2022
Number picking up bid document	11
Number responding to bid	3

Proposal Evaluation

The Evaluation Team was comprised of staff from the Engineering Department and facilitated by staff from the Procurement Division. The technical evaluation was based on pre-established evaluation criteria as outlined in the Request for Proposal: 10% qualifications and experience of the consulting firm, 20% qualifications and experience of the project manager and team, 40% demonstrated understanding of the project, project methodology, schedule and work plan, and 30% price, totaling 100%.

Bidder	Total Score (out of 100)	Rank Results
Aquafor Beech Limited	88.81	1

Bid prices ranged from \$472,899.07 to \$559,914.05 inclusive of HST.

OPTIONS/DISCUSSION:

Aquafor Beech Limited demonstrated a thorough understanding of the project requirements. They have the required experience, qualifications and capability to undertake a study of this size and scope. In contrast, the lowest bidder did not meet or score highly on all the evaluation criteria (ie. experience and qualifications), other than cost. Throughout the evaluation process, Aquafor Beech demonstrated a comprehensive understanding of Markham's requirements, reflected in the proposed detailed methodology and work plan corresponding to the City's needs. Aquafor Beech carried out the detailed design for Phase 2 of the Markham Centre Trails and staff are satisfied with the consulting services.

FINANCIAL CONSIDERATIONS

Recommended bidder	Aquafor Beech Limited (Highest ranked / 2 nd lowest priced bidder)	
Current budget available	\$ 627,200.00 \$ <u>441,000.00</u> \$1,068,200.00	083-5350-22033-005 Markham Centre Trails 083-5350-22034-005 Rouge Valley Trail - Phase 4B Total
Less cost of award	\$ 243,361.08 \$ <u>279,840.00</u> \$ 523,201.08 \$ <u>52,320.11</u> \$ 575,521.19 \$ <u>69,796.91</u> \$ 645,318.10	Consulting Services (Incl. of HST) Cash Allowances* Sub Total Contingency @ 10% Cost of award (Incl. of HST) Internal Management Fees Total Project Cost
Budget remaining after this award	\$ 422,881.90	**

*The cash allowance is for detailed topographic survey, geotechnical, archaeological and a Level 'A' investigation, erosion hazard and flood limits analysis and construction support.

**Of the remaining budget, \$100,000 will be used for fees related to initiate the land acquisition for Rouge Valley Trails Phase 4B. The land acquisition budget will be requested in 2024. \$20,000 will be used for Indigenous consultation, and \$30,000 for permit applications.

The remaining balance of \$272,881.91 will be returned to the original funding source in the amount of \$177,373.24 to DC and \$95,508.67 to Non-DC fund.

HUMAN RESOURCES CONSIDERATIONS

Not Applicable

ALIGNMENT WITH STRATEGIC PRIORITIES:

The study aligns with the City's Strategic goal of building Safe, Sustainable and Complete Communities.

BUSINESS UNITS CONSULTED AND AFFECTED:

Finance has reviewed and approved the report.

RECOMMENDED BY:

Frank Clarizio, P.Eng
Director, Engineering
Services

Arvin Prasad, MPA, RPP, MCIP
Commissioner, Development

ATTACHMENTS:

Attachment 'A' – Markham Centre Trails

Attachment 'B' – Rouge Valley Trail