



Report to: General Committee

Report Date: February 6, 2017

SUBJECT: Award of RFP 239-R-16 Contract Administration and Construction Inspection Services for West Thornhill Flood Control Implementation Project – Phases 2B, 2C & 2D

PREPARED BY: Prathapan Kumar, Senior Manager, Environmental Services, Ext. 2989
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RECOMMENDATIONS:

- 1) THAT the report entitled “Award of RFP 239-R-16 Contract Administration and Construction Inspection Services for West Thornhill Flood Control Implementation Project – Phases 2B, 2C & 2D” be received;
- 2) AND THAT the contract for Proposal 239-R-16 Contract Administration and Construction Inspection Services for West Thornhill Flood Control Implementation Projects – Phases 2B, 2C & 2D be awarded to the highest ranked, lowest priced Bidder, R.V. Anderson Associates Limited, in the amount of \$955,481.64, inclusive of HST;
- 3) AND THAT a 10% contingency in the amount of \$95,548.16, inclusive of HST, be established to cover any additional construction costs and that authorization to approve expenditures of this contingency amount up to the specified limit be in accordance with the Expenditure Control Policy;
- 4) AND THAT the contract administration services award for Phase 2B in the amount of \$314,065.55 as outlined under the financial considerations section of this report be funded from the capital project 058-6150-17201-005 “West Thornhill Flood Control Construction - Phase 2B”, and the remaining budget of \$124,244.45 will be returned to the original funding source;
- 5) AND THAT Phase 2C in the amount of \$403,011.02 and Phase 2D in the amount of \$333,953.22 as outlined under the financial considerations section of this report be requested as part of the 2018 and 2019 Capital budget process, subject to Council approval;
- 6) AND THAT the Purchase Order for future Phases 2C & 2D be updated to reflect the actual construction time required based on the final design; and
- 7) AND 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 for contract administration and construction inspection services for West Thornhill Flood Control Implementation Project - Phases 2B, 2C & 2D.

BACKGROUND:

Stormwater flood control implementation strategy was approved by Council on November 8, 2011 for the West Thornhill area in accordance with the City’s November 2010 Class EA Study. The City-wide Flood Control Program is a 30 year program with an estimated cost of \$234M - \$288M (2014 dollars). The first phase (1A, 1B & 1C) of the remediation includes storm sewer capacity upgrades in the Bayview Glen neighbourhood and the second phase (2A, 2B, 2C & 2D) includes the Grandview area.

Project Status:

Phases	Project Status
Phase 1A	Completed as of November 2016
Phase 1B	Substantially completed as of August 2016. Maintenance warranty until August 2018.
Phase 1C	Substantially completed as of December 22, 2016. Maintenance warranty until December 2018.
Phase 2A	Substantially completed as of December 6, 2016. Maintenance warranty until December 2018.

OPTIONS/ DISCUSSION:**Bid Information:**

Advertised	ETN (Electronic Tendering Network)
Bids closed on	October 25, 2016
Number picking up the Bid document	8
Number responding to the Bid	4

Proposal Evaluation:

The Evaluation Team was comprised of staff from the Environmental Services department and facilitated by staff from the Purchasing department. Due to the complexity of the project, staff wanted to ensure that bidders had the necessary qualifications and experience to carry out the work and as such, the City released this RFP utilizing a two-stage, one-envelope system.

Stage One (1) – Technical Evaluation:

Under Stage 1 – Technical Evaluation (Envelope ‘A’), Bidders were assessed against pre-determined criteria as outlined in the RFP; Experience/Past Performance of the consulting firm 20%, qualifications and experience of the project manager and team member 30% and project delivery 20% totaling 70%. Upon completion of Stage 1 (technical evaluation), the Price Proposal (Bid Form) provided by those Bidders who qualified from Stage 1, (minimum score of 75%, or 52.5 points out of 70 required), proceeded to Stage 2 for price evaluation.

Stage Two (2) – Price Evaluation:

Based on the Stage 1 evaluation, Bidders who received a minimum of 75% or 52.5 points out of 70 proceeded to Stage 2 - Price Evaluation. The price proposal provided by the Bidders is evaluated out of 30 points, based on the criteria outlined in the RFP.

Stage 1 & 2 – Combined Overall Scoring

The scores from the Stage 1 and 2 evaluations were combined to formulate final overall scoring, as summarized below:

Company	Stage 1 Technical Evaluation (70 points)	Stage 2 Price Evaluation (30 points)	Total Score (100 points)	Overall Ranking
R.V. Anderson Associates Limited	65.40	30.00	95.40	1
MMM Group Limited (WSP)	55.85	21.19	77.04	2
Chisholm, Fleming and Associates	48.30	0.00*		3
Dillon Consulting Limited	44.50	0.00*		4

*Bidders that did not achieve a technical score of 52.5 points or higher were not considered for Stage 2 evaluation. Bid prices ranged from \$955,481.32 to \$1,235,940.33, inclusive of HST Impact.

R.V. Anderson Associates Limited, the highest ranked bidder with the highest technical score and lowest price, demonstrated a good understanding of the project, had an experienced and qualified project team and illustrated a comprehensive plan and methodology for the project.

R.V. Anderson was previously awarded the design contracts (247-R-11 and 217-T-14) and contract administration contracts (213-T-14 and 271-R-15) for earlier phases and their performance was satisfactory.

Project Schedule:

Phases	Estimated Construction Period	Anticipated Commencement	Anticipated Substantial Completion
Phase 2B – Grandview Area	32 weeks	March/ April 2017	June 2018
Phase 2C – Grandview Area	40 weeks	May 2018	June 2019
Phase 2D – Grandview Area	32 weeks	May 2019	December 2019

FINANCIAL CONSIDERATIONS AND TEMPLATE:

The following table summarizes the financial considerations:

Phase		Storm	Water	Total Cost	
2B	Budget Available for Phase 2B (A)	\$438,310.00	\$0.00	\$438,310.00	058-6150-17201-005 "West Thornhill Flood Control Construction - Phase 2B"
	Less: Contract Administration (B)	\$285,514.14	\$0.00	\$285,514.14	Award to R.V. Anderson Associates Ltd.
	Less: CA Contingency (10%) (C)	\$28,551.41	\$0.00	\$ 28,551.41	
	Total Cost of Phase 2B (D) = (B) + (C)	\$314,065.55	\$0.00	\$314,065.55	
	Budget Remaining (E) = (A) - (D)	\$124,244.45	\$0.00	\$124,244.45	

The award for Phase 2B in the amount of \$314,065.55 will be funded from Capital Project #17201 "West Thornhill Flood Control Construction - Phase 2B". The remaining budget of \$124,244.45 will be returned to the original funding source.

Phases 2C and 2D: The Purchase Order will not be issued until the 2018 and 2019 Capital Budget’s are approved. Under this award, Staff are able to lock in pricing for the contract administration and contract inspection required in these years.

Phase		Storm	Water	Total Cost	Phase
2C	2018 Budget	\$0.00	\$0.00	\$0.00	Subject to Council approval of the 2018 Capital budget
	Contract Administration (F)	\$183,186.83	\$183,186.83	\$366,373.66	
	Less: CA Contingency (10%) (G)	\$18,318.68	\$18,318.68	\$36,637.36	
	Total Cost of Phase 2C (H) = (F) + (G)	\$201,505.51	\$201,505.51	\$403,011.02	
2D	2019 Budget	\$0.00	\$0.00	\$0.00	Subject to Council approval of the 2019 Capital budget
	Contract Administration (I)	\$151,796.92	\$151,796.92	\$303,593.84	
	Less: CA Contingency (10%) (J)	\$15,179.69	\$15,179.69	\$30,359.38	
	Total Cost of Phase 2D (K) = (I) + (J)	\$166,976.61	\$166,976.61	\$333,953.22	
Total Cost of Phases 2B, 2C and 2D (L) = (D + H + K)		\$682,547.68	\$368,482.13	\$1,051,029.79	

The Capital Budget for Contract Administration for Phases 2C and 2D will be requested as part of the 2018 and 2019 Capital Budget process, subject to Council approval. The cost estimate for Phases 2C and 2D is based on an estimated construction period of 40 weeks for Phase 2C, and 32 weeks for Phase 2D. The construction period may change subject to detailed design and therefore the purchase order for Phases 2C and 2D may need to be adjusted.

ALIGNMENT WITH STRATEGIC PRIORITIES:

The proposed flood remediation program is in line 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.

RECOMMENDED BY:

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 Phoebe Fu
 Director of Environmental Services

X 

 Brena Librecz
 Commissioner, Community & Fire Services

ATTACHMENTS:

[Attachment - Location Map for Phases 2B, 2C & 2D](#)