



Report to: General Committee

Report Date: March 1, 2018

SUBJECT: Staff Awarded Contracts for the Month of February 2018

PREPARED BY: Alex Moore, Ext. 4711

RECOMMENDATION:

1. THAT the report entitled “Staff Awarded Contracts for the Month of February 2018” be received;
2. And that Staff be authorized and directed to do all things necessary to give effect to this resolution

PURPOSE:

To inform Council of Staff Awarded Contracts >\$50,000 for the month of February 2018 as per Purchasing By-law 2017-8.

BACKGROUND:

Council at its meeting of May 26th, 2009 amended By-Law 2004-341, A By-Law Establishing Procurement, Service and Disposal Regulations and Policies. The Purchasing By-Law delegates authority to staff to award contracts without limits if the award meets the following criteria:

- The award is to the lowest priced supplier
- The expenses relating to the goods / services being procured is included in the approved budget (Operating/Capital)
- The award of the contract is within the approved budget
- The award results from the normal tendering process of the City (i.e. open bidding through advertisements that meet transparency and enables open participation)
- The term of the contract is for a maximum of 4 years
- There is no litigation between the successful supplier and the City at the time of award
- There are no supplier protests at the time of contract award

If one (1) of the above noted criteria is not met then any contract award >\$350,000 requires Council approval.

Where the contract being awarded is a Request for Proposal (RFP) the approval authority limits of staff is up to \$350,000.

Community & Fire Services

Award Details	Description
Lowest Priced Supplier	• 262-T-17 Load and Haul Snow from Hwy 7 Cycle Track • 014-T-18 Supply & Delivery of Sheeting Material
Non-Competitive Supplier	• 262-T-16 Curb Box Rehabilitation Program

Corporate Services

Award Details	Description
Lowest Priced Supplier	• 042-T-17 Hoist Replacement, New Make-Up Air Unit and Sign Shop Flooring at 555 Miller Avenue
Non-Competitive Supplier	• 015-S-18 Consulting Engineering Services for Combined Heat and Power (CHP) - System at Angus Glen Community Centre

Development Services

Award Details	Description
Lowest Priced Supplier	• 276-T-17 Traffic Signal Construction at Bur Oak & Roy Rainey Avenue • 010-T-18 Erosion Restoration at Rouge River

2018-03-05

X 

Joel Lustig
Treasurer
Signed by: cxa

2018-03-05

X 

Trinela Cane
Commissioner, Corporate Services
Signed by: cxa

**STAFF AWARD REPORT****Page 1 of 2**

To:	Andy Taylor, Chief Administrative Officer
Re:	262-T-17 Load and Haul Snow from Hwy 7 Cycle Track
Date:	February 7, 2018
Prepared by:	John Hoover, Supervisor, Contract Administration, Ext. 4808 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE/BACKGROUND

To obtain approval to award the contract for the removal of accumulated snow from the road, cycle track and sidewalk on the Hwy 7 cycle track at a cost of \$71,232.00 per occurrence on an as required basis. The City anticipates two (2) occurrences from January to April 2018.

York Region is finishing the widening of Highway 7 from Town Centre Boulevard to Sciberras Road which includes the construction of the 1.8m wide concrete cycle tracks and 2.0m wide sidewalk on both the north and south boulevards of Highway 7. Upon completion, York Region will turn over the operations and maintenance responsibilities of the Cycle Tracks, sidewalks and some streetscape design elements to the City.

Under Minimum Maintenance Standards regulations, this cycle track must be maintained at a Class 1 Highway level of service, resulting in the clearing of snow when accumulations reach 2.5cm or approximately every 4 hours. In comparison, sidewalks are cleared once in a 24 hour period, or when snow accumulates to 5cm. Staff will monitor the contract over the next few months and will make any necessary adjustments for the 2018/19 winter season. Staff will assess the need to either extend the contract or depending if any scope changes are required, determine if it's more appropriate to reissue a new tender to the market.

RECOMMENDATION

Recommended Supplier	Miller Paving Limited (Lowest Priced Supplier)	
Current Budget Available	\$ 128,250.00	700-504-5416 Load and Haul Snow from Hwy 7 Cycle Track
Less cost of award	\$ 142,464.00	Award amount (Inclusive of HST)*
Budget remaining after this award	\$ (14,214.00)	**

*Award amount is based on an assumption of two occurrences and is subject to change based on actual requirements.

**The potential unfavourable variance in the amount of \$14,214.00 will be reported as an unfavourable variance as part of the results of the overall winter maintenance program.

BID INFORMATION

Advertised	ETN
Bid closed on	December 22, 2017
Number picking up document	5
Number responding to bid	2

*Purchasing contacted bidders who picked up the document, however did not submit a bid. One responses was that due to their work load the Bid taker does not have the required equipment to carry out the work.

PRICE SUMMARY

Suppliers	Bid Price (Including HST impact)*
Miller Paving Limited	\$71,232.00
Don Cordingley Gradall Rental Ltd.	\$78,151.68

Note: Bid price is based on one occurrence.

OPERATING BUDGET AND LIFECYCLE IMPACT

The unfavourable variance resulting from this award in the amount of \$14,214 will be reported as part of the overall results of the winter maintenance program. Staff will monitor the contract for the 2017/2018 winter season and will make necessary adjustments to the operating budget for consideration as part of the 2019 budget process.

The 2018 Life Cycle Reserve and Capital Replacement Study will be updated to include an additional \$916,000 for the future replacement of the Cycle Tracks (\$343,000) and wider sidewalks (\$573,000), each with a useful life of 40 years each. There is no incremental impact to the Life Cycle Reserve and Capital Replacement Fund over the next 25 years.

ENVIRONMENTAL CONSIDERATIONS

Snow load and haul practice is included as part of the City's Salt Management Plan. The Plan is designed to set out a framework for ensuring that the City of Markham continuously improves the management of road salt in winter operations. The Plan is consistent with the code of practices set out by Environment Canada. The snow will be hauled to the City's snow storage/disposal sites to avoid impact to environmentally sensitive areas.



STAFF AWARD REPORT

To:	Brenda Librecz, Commission, Community & Fire Services
Re:	014-T-18 Supply & Delivery of Sheeting Material
Date:	February 16, 2018
Prepared by:	Craig Breen, Supervisor, Contract Administration Ext. 3000 Patti Malone, Senior Buyer, Purchasing Ext. 2239

PURPOSE/BACKGROUND

To obtain approval to award the contract for supply & delivery of high intensity sheeting materials required to manufacturer signs made by the Operations Department for a 3-year term at the same itemized pricing.

RECOMMENDATION

Recommended Supplier	3M Canada (Lowest Priced Supplier)	
Current Budget Available	\$ 31,246.47	700-505-4580 Traffic Signs Supplies
Less cost of award	\$ 31,246.47	March 1 – December 31, 2018
	\$ 37,495.76	January 1 – December 31, 2019*
	\$ 37,495.76	January 1 – December 31, 2020*
	\$ 106,237.99	Total Award
Budget Remaining after this award	\$ 0.00	

* Subject to Council approval of the 2019 & 2020 operating budgets

BID INFORMATION

Advertised	ETN (Electronic Tendering Network)
Bids closed on	February 5 th , 2018
Number picking-up the bid	6
Number responding to bid	4

PRICE SUMMARY

Suppliers	Annual Price (Inclusive of HST*)
3M Canada Company	\$37,495.76**
Maximum Signs	\$39,326.63
Stinson Equipment	\$41,762.91
B.M.R. Manufacturing Inc.	\$47,680.59

*The contract includes the requirements for thirty-five (35) different sheeting material required for signs.

**Compared to the previous contract (2014-2017), this contract represents a 6.87% increase; however, the prices remain fixed for three (3) years (2018-2020).

OPERATING BUDGET AND LIFECYCLE IMPACT

There is no incremental impact to the operating budget or the Life Cycle Reserve and Capital Replacement Fund over the next 25-year period.

ENVIRONMENTAL CONSIDERATIONS

N/A



STAFF AWARD REPORT

To:	Andy Taylor, Chief Administrative Officer
Re:	262-T-16 Curb Box Rehabilitation Program
Date:	January 15, 2018
Prepared by:	Vikas Thakur, Project Engineer, Water & Wastewater, ext. 6210 Flora Chan, Senior Buyer, ext. 3189

PURPOSE/BACKGROUND

To obtain approval to award the contract for concrete sidewalk replacement. The general work involves replacement of damaged concrete sidewalk infrastructure from past and present curb box repair and replacement projects throughout the City of Markham.

The project is expected to commence May 2018 and be completed by October 2018.

RECOMMENDATION

Recommended Supplier (s)	Grand-Mac Construction Ltd. (Non-Competitive Procurement)	
Current Budget Available	\$ 92,870.50	760-101-5399-18293 Curb Box Inspection & Replacement Program
Less cost of award	\$ 79,922.30	Cost of Award
	\$ 7,992.23	Contingency (10%)
	\$ 87,914.53	Total Award
Budget Remaining after this award	\$ 4,955.97	*

*The remaining balance of 4,955.97 will be returned to original funding source.

Staff further recommends:

THAT the tendering process be waived in accordance with Purchasing By-Law 2017-8, Part II, Section 11 Non Competitive Procurement, item 1 (c) which states "when the extension of an existing Contract would prove more cost-effective or beneficial.

OPTIONS & DISCUSSIONS

The annual curb box program is currently implemented through two contracts:

1. Curb box inspection and replacement and
2. Concrete sidewalk replacement – to replace any concrete sidewalk damaged by curb box replacement

1. Curb box inspection and replacement

In 2017, the City awarded the contract for curb box repair and replacement to the lowest priced bidder (Grand-Mac Construction Ltd.) for three years (2017 to 2019). Under this contract the vendor (Grand-Mac Construction Ltd.) provides proactive inspection, maintenance and repairs are to ensure continuous water supply and reduce service interruption. The repair and maintenance is conducted with minimal excavation and surface disruption, by utilizing the vacuum excavation method with specialized tools.

2. Concrete side walk replacement

In 2017, the City awarded the contract for concrete sidewalk repair to a separate vendor for a three year period (2017 to 2019). However, the performance of this vendor was unsatisfactory in 2017 and Staff terminated the contract. The main performance issue was repair to sidewalks after curb box repair were not completed in an efficient or a timely fashion.

RECOMMENDATION

In order to address public complaints and improve efficiency of administering this program, Staff recommends to incorporate the concrete sidewalk replacement scope of work into the current curb box replacement contract to achieve the following benefits:

- Public disruptions and mobilization costs are reduced as the contractor can perform both scopes of work in the same visit.
- For health and safety reasons, Ministry of Labour restricts multiple constructors working at the same site. Working with one contractor will eliminate the City's resources required to coordinate and schedule work between the two contracts.

**STAFF AWARD REPORT****Page 1 of 2**

To:	Trinela Cane, Commissioner, Corporate Services
Re:	042-T-17 Hoist Replacement, New Make-Up Air Unit and Sign Shop Flooring at 555 Miller Avenue
Date:	February 6, 2018
Prepared by:	Steve Walo, Project Manager, Facility Assets, Ext. 2567 Flora Chan, Senior Buyer, Ext. 3189

PURPOSE/BACKGROUND

To obtain approval to award the contract for the new Hoist Replacement, Make-Up Air Unit and Sign Shop Flooring at 555 Miller Avenue.

The scope of work includes but is not limited to:

- decommissioning and removal of the existing in-ground hoist
- installation of new portable floor mounted (pit-less) hoist with drive on runway type system, mobile four column lifting mechanism, rolling bridge jacks and associated infrastructure
- new make-up air unit and associated mechanical and electrical
- sign shop flooring replacement

The project is scheduled to start on June 18, 2018 and be completed by August 1, 2018. To minimize interruptions to operations, hoist related work will be done during regular hours while the make-up air unit and sign shop floor work will be completed after hours.

RECOMMENDATION

Recommended Supplier	ICIR Construction Ltd. (Lowest Priced Supplier)	
Current Budget Available	\$ 245,415.67	270-101-5399-17185 Operations Facilities Improvements
Less cost of award	\$ 221,757.43	Award
	\$ 22,175.74	10% Contingency
	\$ 243,933.17	Total Award inclusive of HST
Budget remaining after award	\$ 1,482.50	*

*The remaining budget of \$1,482.50 will be returned to the original funding source.

BID INFORMATION

Advertised	ETN
Bids closed on	January 31, 2018
Number picking up bid documents	8
Number responding to bid	5

PRICE SUMMARY (Inclusive of HST)

Suppliers	Bid Price*	Separate Price**	Total Price
ICIR Construction Ltd	\$ 212,922.00	\$ 5,088.00	\$ 221,757.43
B & B Mechanical Services o/a Bagli Brothers Ltd.	\$ 221,831.62	\$ 5,149.06	\$ 230,884.91
Norfield Construction Inc	\$ 233,726.93	\$ 5,149.06	\$ 242,989.58
Stracor Inc	\$ 234,251.00	\$ 5,421.77	\$ 243,795.59
Ritestart Limited	\$ 290,000.00	\$ 6,085.25	\$ 301,189.25

*Includes cash allowance of \$2,035.20 for Hoist Pit Cleanout.

**A separate price was solicited in the tender for 4 jack stands. Staff recommends to include these in award to increase operational efficiency and flexibility. The jack stands can be placed under the new runway once a fleet vehicle of up to 60,000 lbs is positioned on the runway to allow the original mobile posts to be relocated to another bay to hoist a second fleet vehicle of up to 60,000 lbs.

OPERATING BUDGET AND LIFECYCLE IMPACT

The new make-up air unit is more energy and fuel efficient than the existing unit. The anticipated electrical and gas savings is estimated at \$150/month or \$1,800/year. The above ground hoist does not require pit cleaning which results in a savings of \$2,000/year. Overall incremental operating savings is \$3,800/year which will be adjusted as part of the 2019 Operating budget.

The life cycle of the hoist is 30 years and therefore there is no impact to the life cycle over the next 25 years. The make-up air unit has a 25 year useful life and therefore the impact in the next 25 years is \$61,876.18. The sign shop flooring has a useful life of 10 years and therefore the impact over the next 25 years is \$17,643.17 ($\$8,821.57 \times 2$).

The life cycle reserve study will be adjusted for the make-up air unit and the flooring at the next reserve update.

ENVIRONMENTAL CONSIDERATIONS

- Existing oil within the in-ground hoist pit will be cleaned out and documented per Ministry of Environment guidelines. The new hoist is above ground and does not require a pit containing oil in order to operate the equipment;
- The current in-ground hoist is inspected annually and it no longer meets the safety guidelines. It must be replaced or decommissioned;
- New make-up air unit was designed to meet the requirements for ASHRAE 90.1-2013 which will enable the City of Markham to apply for utility incentives;
- Existing make-up air unit within the work shop is not operating. It has been inspected and the parts are no longer available and it cannot be repaired. The Main Shop currently does not have any make-up air circulating within the space. The new unit should increase productivity and overall staff comfort within the building; and
- Sign Shop flooring is an epoxy resin which is easy to maintain, impermeable, seamless durable and does not support growth of bacteria and fungus. This existing floor is a concrete slab only. This product will improve the overall environmental conditions for the staff working in the Sign Shop.



STAFF AWARD REPORT

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To:	Andy Taylor, Chief Administrative Officer
Re:	015-S-18 Consulting Engineering Services for Combined Heat and Power (CHP) System at Angus Glen Community Centre
Date:	January 31, 2018
Prepared by:	Amanda Martin, Energy Management Coordinator, Ext. 2956 Flora Chan, Senior Buyer, Ext. 3189

PURPOSE/BACKGROUND

To obtain approval to award Phase 2 for consultant services for a Combined Heat and Power (CHP) System at Angus Glen Community Centre (AGCC). The consultant will do the following under Phase 2:

- Undertake detailed design, tender preparation and contract administration and inspection for the integration of a containerized CHP at Angus Glen Community Centre
- Planning, coordination, management and control of all aspects of the project under the direction of the City's Project Manager
- Maximizing the benefit from the IESO incentives related to CHP technology implementation.
- Provide technical expertise and skills from the following disciplines (at a minimum):
 - Project Management, Project Engineering, and Environmental Management
 - Mechanical Engineering
 - Electrical Engineering
 - Instrumentation & Control
 - Structural Engineering
 - Procurement Support
 - Construction Management Support
 - Commissioning Support

Expected Project Schedule:

Detailed Design – start upon award of this contract and to be completed by June 2018

Design approval- –July 2018

Public tendering of CHP system and major equipment – August 2018 and to be completed by December 2018

Construction Period– Start in February 2019 and final completion by September 2019

RECOMMENDATION

Recommended Supplier	FVB Energy Inc. (Non-Competitive Procurement)	
Current Budget Available	\$ 308,660.00	043-5350-18083-005 Angus Glen CC Combined Heat and Power (CHP) Sys
Less cost of award	\$ 192,021.12	Phase 2 – Design & Tender Development
	\$ 93,313.92	Phase 2a – Tender & Contract Administration*
	\$ 22,826.80	Contingency (8%) **
	\$ 308,161.84	Total Award (Inclusive of HST Impact)
Budget Remaining after this award	\$ 498.16	***

*Phase 2a of the project is subject to performance in Phase 2 and includes cash allowance of \$46,809.60 for Geotechnical Engineer, Connection Impact Assessment and Environmental Engineer hired by FVB Energy Inc.

**Based on the outcome of the detailed engineering study in Phase 1, Staff recommend reducing the standard contingency from 10% to 8%.

***The remaining balance of \$498.16 will be returned to original funding source.

RECOMMENDATION (Continued)

Staff further recommends:

THAT the City's Tender process be waived in accordance with Purchasing By-Law 2017-18, Part II, Section 11.1 (c) which states "when the extension of an existing Contract would prove more cost-effective or beneficial

And (h) "where it is necessary or in the best interests of the City to acquire Consulting Services from a supplier who has a proven track record with the City in terms of pricing, quality and service.

OPTIONS/ DISCUSSIONS

Cogeneration, or Combined Heat and Power ("CHP"), is the use of a heat engine to generate electricity and useful heat simultaneously from a common fuel source. While all thermal power plants produce heat as a by-product, the CHP process reclaims "waste" heat and reuses it in the facility rather than releasing it into the environment.

The first Phase of this project, a Detailed Engineering Study ("DES") was completed by the recommended supplier, FVB Energy Inc. ("FVB") through a competitive award in August 2017 to determine the feasibility of adding a CHP at AGCC. The DES was 100% funded through the Independent Electricity System Operator ("IESO") saveONenergy / Process and Systems Upgrade Initiative ("PSUI") requirements as it complied with all incentive requirements. The study included:

- Base Case Analysis
- Process Modelling of proposed CHP (electrical and heating design, emission analysis, lifecycle costing, O&M)
- Opportunity Analysis (savings, ROI)
- Recommendations
- Schematic and drawings for preliminary design

Staff considered re-tendering the project but do not recommend due to the following rationale:

Proven Track Record

FVB Energy Inc. was awarded Phase 1 of this project (279-Q-16) as the highest ranked and lowest priced supplier through a competitive bid process. Staff is satisfied with the level of service, professionalism and technical expertise provided by the supplier.

Technical Expertise

FVB is a full scope engineering and management Consulting Company, specializing in District Energy and Combined Heat and Power (CHP). FVB's involvement in CHP projects have encompassed delivering feasibility studies, detailed engineering, design and support for procurement, construction, commissioning, operations and expansion. FVB brings over 25 years of study, design, installation and operational District Energy and CHP experience based on successfully designed, constructed and operating District Energy Systems in Canada. FVB in Canada has 34 professional employees with offices in Toronto, Edmonton, Vancouver and Ottawa, specializing in engineering and business consulting for District Energy and CHP; and has worked in every Province and Territory in Canada. Some of FVB's clients across Canada have included; City of Markham, Markham District Energy Inc., City of Burlington, City of Toronto, Windsor Utilities Commission, Guelph Hydro, Oakville Hydro, Region of Peel, City of Vaughan, among others.

Efficiency

As part of the deliverables in Phase 1 of the project, FVB completed a preliminary design to modify the existing pre-heating freeze protection glycol system of the Air Handling Units ("AHU") at both arenas.

The redesign will supplement heat for gas-fired regeneration air of the dehumidification desiccant wheels; including the hot water piping system that connects the CHP recovered heat to the existing piping, the hot water distribution pumps, headers, all hydronic accessories, controls, hangers, and insulation. Moving forward with this preliminary design as baseline will reduce design resources and additional cost.

Cost / Time Savings

In order to be eligible for the IESO incentive, the project must be completed and achieved an In-Service Date on or before December 31, 2020. With a planned completion date of September 2019, the City will have more flexibility to address any potential contingencies and delays that may arise and benefit from the expected savings earlier.

OPERATING BUDGET AND LIFECYCLE IMPACT

The expected service life of the new CHP is 25 years with an estimated net cost savings of \$270,000/ year (energy savings of \$390,000/year less O&M cost of \$120,000/year). There will be a one-time utility incentive of approximately \$646,000 upon project completion. When the CHP is at the end of its service life, Markham will re-evaluate the business case of installing a new CHP, or revert back to the original heating and electrical system configurations if the payback is no longer viable.

The capital investment was funded through the Life Cycle Replacement and Capital Reserve fund with a payback of 6 years from anticipated savings. Once the initial involvement is fully paid back to the Reserve Fund, the estimated net savings of \$270,000 will be split 50% (\$135,000) to the MECO reserve to fund other energy management initiatives and 50% (\$135,000) as a reduction to the Operating budget.

ENVIRONMENTAL CONSIDERATIONS

The new CHP is projected to achieve significantly lower utility costs (saving \$390,000/year) and will extend the life of the current heating system equipment due to reduced use. The CHP will improve community resilience, enhance grid reliability and flexibility, and help protect public health and the environment. CHP systems are strong examples of how energy-efficient technologies can help achieve these significant benefits for end-user facilities, utilities, and communities.

**STAFF AWARD REPORT****Page 1 of 2**

To:	Andy Taylor, Chief Administrative Officer
Re:	276-T-17 Traffic Signal Construction at Bur Oak & Roy Rainey Avenue
Date:	February 9, 2018
Prepared by:	Justin Chin, Engineering Technologist – Transportation, Ext. 4020 Tony Casale, Sr. Construction Buyer, Ext. 3190

PURPOSE/BACKGROUND

To obtain approval to award the contract for traffic signal construction at Bur Oak & Roy Rainey Avenue. It is anticipated that construction will commence in March 2018 and be completed by June, 2018, weather permitting.

RECOMMENDATION

Recommended Suppliers	Alltrade Industrial Contractors Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 199,282.40	083-6150-17042-005 Intersection Improvements
Less cost of award	\$ 183,363.79	Cost of Award (Incl. of HST)
	\$ 8,519.75	Provisional Items *
	\$ 9,594.18	Contingency @ 5%
	\$ 201,477.73	Cost of Award (Incl. of HST)
Budget Remaining after award	\$ (2,195.33)	**

* The provisional item is to cover the cost for twelve test holes which may be required during construction.

**The budget shortfall of (\$2,195.33) will be funded 67.5% (\$1,481.85) from the Engineering Contingency (project #13881) and 32.5% (\$713.48) from the Non-DC Capital Contingency (project #6395). The current balance in the Engineering Contingency is \$70,283 and the current balance in the Non DC Capital Contingency is \$79,067 as of February 8, 2018.

BID INFORMATION

Advertised	ETN
Tender closed on	January 12, 2018
Number of contractors picking up bid documents	9
Number of contractors responding to bid	8

PRICE SUMMARY

Suppliers	Bid Price (Inclusive of HST)
Alltrade Industrial Contractors Inc.	\$183,363.79
E.C. Power & Lighting Ltd.	\$192,399.78
Guild Electric Ltd	\$195,626.01
Beacon Utility Contractors Limited	\$202,450.40
TM3 INC	\$204,241.48
Weinmann Limited	\$209,058.36
Fellmore Electrical Contractors Ltd	\$239,851.08
Black & McDonald Limited	\$240,106.31

OPERATING BUDGET AND LIFECYCLE IMPACT

The incremental Operating impact from the construction of these traffic signals will result in approximately \$3,100 additional cost which has already been included in the 2018 Operating budget.

The Lifecycle impact over the next 25 years is \$76,000. The newly installed traffic signal assets carry additional life cycle costs and are summarized below:

Asset	Unit Cost	Life Cycle (years)	Quantity	Replacement Cost over 25 year period
LED Indication	\$140	7	40	\$16,800
Signal Head	\$600	25	16	\$9,600
Pre-emption Detector	\$1,700	10	2	\$6,800
Pre-emption Detector Card	\$3,800	10	1	\$7,600
Traffic Signal Controller	\$20,000	20	1	\$20,000
Audible Pedestrian Station	\$950	10	8	\$15,200
Total				\$76,000

The Life Cycle Reserve Study will be adjusted to reflect the incremental increase of \$76,000 at the next update.

ENVIRONMENTAL CONSIDERATIONS

N/A



STAFF AWARD REPORT

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To:	Andy Taylor, Chief Administrative Officer
Re:	010-T-18 Erosion Restoration at Rouge River
Date:	January 31, 2018
Prepared by:	Alberto Lim, Sr. Capital Works Engineer Ext. 2860 Tony Casale, Sr. Construction Buyer, Ext. 3190

PURPOSE

To obtain approval to award the contract for erosion restoration at three sites along the Rouge River and one within Markham Green golf course.

It is anticipated that construction will commence in February and be completed by March 31st, 2018.

RECOMMENDATION

Recommended Suppliers	Ratcliff Excavating & Grading (Lowest Priced Supplier)	
Current budget available	\$ 934,300.00 \$ 100,000.00 \$ 1,034,300.00	640-101-5699-18043 Downstream Improvement Work Program 750-101-5699-17194 Erosion Restoration Program Total
Less cost of award	\$ 589,639.00 \$ 83,440.15 \$ 67,307.91 \$ 740,387.06 \$ 76,729.83 \$ 817,116.89	Cost of Award (Incl. of HST) Provisional Items * Contingency @ 10% Cost of Award (Incl. of HST) Internal Management Fee Total Project Cost
Budget Remaining after award	\$ 216,883.11	**

*The provisional items are for limestone and asphalt trail restoration, the retention of a certified arborist and migratory bird survey. The requirement for the provisional items is unknown at this time however any unused funds will be returned to the original funding source.

**The remaining budget in the amount of \$ 216,883.11 will be returned to the original source.

BID INFORMATION

Advertised	ETN
Tender closed on	January 24, 2018
Number of contractors picking up bid documents	13
Number of contractors responding to bid	8*

*One supplier was disqualified as they did not meet the mandatory requirements of submitting a valid bid bond and Agreement to Bond with their Bid submission.

PRICE SUMMARY

Suppliers	Bid Price (Inclusive of HST)
Ratcliff Excavating & Grading	\$ 589,639.00
R&M Construction	\$ 608,319.98
Dynex Construction Inc.	\$ 629,718.96
Cambridge Landscaping Inc.	\$ 811,667.99
Hawkins Contracting Services Limited	\$1,175,286.24
Ultimate Construction Inc.	\$1,356,701.69
Pine Valley Corporation	\$1,506,048.00

FINANCIAL CONSIDERATIONS

Project Description	Account#	Original Budget	Budget Available	Amount allocated to project	Cost of Award	Internal Mgt. Fee	Project Cost	Budget Remaining
Downstream Improv. Work Program	640-101-5699-18043	\$ 934,300	\$ 934,300	\$ 934,300	\$652,553.64	\$ 76,729.83	\$727,148.10	\$204,716.53
Erosion Restoration Program	750-101-5699-17194	\$ 829,100	\$ 634,286	\$ 100,000	\$ 87,833.43	\$ 0.00	\$ 87,833.43	\$ 12,166.57
Total Award		\$1,763,400	\$1,568,586	\$1,034,300	\$740,387.07	\$ 76,729.83	\$817,116.89	\$216,883.11

* The remaining budget in the amount of \$216,883.11 will be returned to the original funding source as follows:
 \$ 204,716.53 to be returned to Account No. 640-101-5699-18043; \$ 12,166.11 returned to Account No. 750-101-5699-17194.

OPERATING BUDGET AND LIFECYCLE IMPACT

It is anticipated these works will last more than 25 years. As such, there is no incremental lifecycle or incremental operating budget impact as a result of these works.

ENVIRONMENTAL CONSIDERATIONS

The Toronto and Region Conservation Authority (TRCA) was consulted during the detailed design stage of this project. A permit has been granted by the TRCA to undertake the proposed works within the Rouge River. The restoration improves the condition of the existing watercourse and provides stability to the embankments.