



Report to: General Committee

Report Date: October 2, 2017

SUBJECT: Staff Awarded Contracts for the Month of September 2017
PREPARED BY: Alex Moore, Ext. 4711

RECOMMENDATION:

1. THAT the report entitled "Staff Awarded Contracts for the Month of September 2017" 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 September 2017 as per Purchasing By-law 2017-8.

BACKGROUND:

Chief Administrative Officer

Award Details	Description
Non-Competitive Supplier	<ul style="list-style-type: none">• 140-R-11 Employee Assistance Program - Contract Extension

Community & Fire Services

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none">• 008-T-17 The Gateway at John Daniels Park – Construction• 014-T-17 Remove and Replace Backstop and Outfield Fences• 126-T-17 Milliken Mills Community Centre & Library - Air Handling Unit Replacement• 147-T-17 Supply and Delivery of Waterworks and Sanitary Sewer Materials• 152-Q-17 Crosby Arena HVAC Replacement• 160-T-17 Play Equipment Replacement at Six Parks• 187-T-17 Supply & Delivery of Two Plow/Dump Combination Trucks• 195-Q-17 Supply and Delivery of Two 49 HP Tractors• 224-Q-17 Fred Varley Art Gallery Roof Top Make-Up Air Unit (RTU) Replacement
Non-Competitive Supplier	<ul style="list-style-type: none">• 223-Q-17 Mt Joy CC Dehumidifier Replacement – Emergency Purchase• 239-S-17 Bayview and Steeles Watermain Repair and Replacement

Corporate Services

Award Details	Description
Sole Bidder	<ul style="list-style-type: none">• 198-T-14, Napkin Disposal, Sanitizing & Air Freshening Service – Contract Extension

Development Services

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none">• 200-T-17 Streetlight Infrastructure Improvements on Rodick Road from Miller Avenue to 16th Avenue• 215-T-17 Whistling Cessation Measures on Five (5) Rail Crossings in the City of Markham (Phase 1 of 3)• 218-T-17 Water, Sanitary and Storm Sewer Connections at Various Locations• 220-T-17 2017 Sidewalk Construction Program
Non-Competitive Supplier	<ul style="list-style-type: none">• 148-T-17 Supply and Installation of approximately 1,560 sq. ft. specialty granite pavers around the obelisk at Veterans Square – A Canada 150 Project – Change in scope of work

X

Joel Lustig
Treasurer

X

Trinela Cane
Commissioner, Corporate Services

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

To:	Andy Taylor, Chief Administrative Officer
Re:	140-R-11 Employee Assistance Program - Contract Extension
Date:	August 17, 2017
Prepared by:	Bessie Mok, Manager – Compensation and Benefits, Ext. 2337 Rosemarie Patano, Senior Buyer, Ext. 2990

PURPOSE

To obtain approval to extend the contract for Employee Assistance Program (EAP) for an additional two (2) years at the same 2012 itemized pricing as per original proposal submission.

RECOMMENDATION

Recommended Supplier	Homewood Health Inc. (Non-competitive procurement)	
Current Budget Available	\$ 50,349.85	30-2200043 Employee Assistance Program
Less cost of award	\$ 50,349.85	Year 1 (January 1, 2018 to December 31, 2018)
	\$ 50,349.85	Year 2 (January 1, 2019 to December 31, 2019)
	\$ 100,699.70	Total inclusive of HST Impact *
Budget Remaining after this award	\$ 0.00	

* January 1, 2018 to December 31, 2019 - Subject to Council approval of the annual operating budget.

Note: Fees for the EAP is based on a short to medium-term counseling model with face-to-face, telephone and web-based services for employees and family members.

Cost of the Award

Both the 2018 and 2019 award amounts are based on an historic usage average of 510 hours per year:

- | | | |
|--|--------------------------------|--------------|
| • Part A – General Program Requirements: | 500 hours @ \$96.67 per hour = | \$ 48,335.00 |
| • Part B – Trauma Response & Critical Incident Services: | 10 hours @\$201.48 per hour = | \$ 2,014.85 |
| | Total = | \$ 50,349.85 |

Staff further recommends: THAT the tendering process be waived in accordance with Purchasing By-Law 2004-341, Part II Section 7(1) (c) when the extension of an existing contract would prove more cost-effective or beneficial;

BACKGROUND

The Program provides employee assistance in personal and work related problems which include but are not limited to the following areas:

Part A- General Program Requirements

- Stress Reduction
- Family and/or Marital
- Childcare and eldercare concerns
- Physical health
- Mental health issues
- Emotional issues
- Legal/financial
- Career Planning
- Retirement Planning
- Substance Abuse

Part B - Trauma Response and Critical Incident Services

- Critical Incident Counseling (trauma response)
- Crisis intervention

140-R-11 Employee Assistance Program - Contract Extension**Page 2 of 2****OPTIONS/DISCUSSIONS**

Staff awarded RFP 140-R-11 to Homewood Human Solutions (HHC) as the highest ranked/second lowest priced bidder in 2011 to provide the Employee Assistance Program to the City (from January 01, 2012 to December 31, 2017).

The City may negotiate contracts outside the competitive contracting process, when negotiations can reasonably be expected to lead to price savings and/or operational efficiencies for the City, which may not reasonably be achievable through a competitive bidding process. Staff negotiated with HHC and was able to extend the 2012 itemized pricing to fiscal year 2018 through 2019. Staff is satisfied with the level of service provided by the supplier, who has demonstrated a good understanding of the City's requirements and process over the years.

This option to extend the existing contract aligns with Part II, Section 7(1) (c) of the City Purchasing Bylaw 2004-341, whereby "the City may negotiate a contract for the supply of goods and services without a competitive process, when the extension of an existing contract would prove more cost-effective and beneficial".

OPERATING BUDGET AND LIFE CYCLE IMPACT

The actual cost of the plan will be based on usage.

ENVIRONMENTAL CONSIDERATIONS

N/A

**STAFF AWARD REPORT**

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To:	Andy Taylor, Chief Administrative Office
Re:	008-T-17 The Gateway at John Daniels Park - Construction
Date:	October 10, 2017
Prepared by:	David Plant, Manager, Parks Operations, Ext. 4893 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE

To obtain approval to award the contract for the construction of a revised gateway at John Daniels Park, as part of the Canada 150 celebrations.

RECOMMENDATION

Recommended Supplier	Pine Valley Corporation (Lowest Priced Supplier)	
Current Budget Available	\$ 776,310.29	059-6150-17153-005 John Daniels Park
Less cost of award	\$ 697,199.48	Cost of Award (Inclusive of HST)
	\$ 55,775.96	Contingency @ 8%
	\$ 752,975.44	Total Cost of Award (Inclusive of HST)
Budget Remaining after this award	\$ 23,334.85	*

*The remaining budget of \$23,334.85 will be used to fund the future gazebo.

BACKGROUND

To Celebrate Canada's 150th birthday, the City of Markham will be rehabilitating John Daniels Park gateway. The project cost will be shared between the Government of Canada and the City of Markham.

The work to be carried out includes;

- Site preparation, servicing and electrical work
- Hard and soft landscape work
- Installation of a water fountain and a sign with granite letters spelling out "MARKHAM."

The work will be completed by March 15, 2018.

BID INFORMATION

Advertised	ETN
Bid closed on	August 25, 2017
Number picking up document	12
Number responding to bid	7*

*Note: One Bid Submission was disqualified for not meeting specification.

PRICE SUMMARY

Suppliers	Price (Including HST Impact)	Revised Price (Including HST Impact)
Pine Valley Corporation	\$1,017,562.35	\$697,199.48
Midome Construction Services Ltd.	\$1,043,040.00	\$726,871.68
Hawkins Contracting Services Limited	\$1,186,112.76	\$862,941.80
M & S Architectural Concrete Ltd.	\$1,202,200.70	\$850,434.53
CSL Group Ltd	\$1,271,707.44	\$874,293.94
Mopal Construction Limited	\$1,419,258.63	\$1,016,492.55

008-T-17 The Gateway at John Daniels Park – Construction**Page 2 of 2****PRICE SUMMARY (Continued)**

*Pine Valley Corporation's ("Pine Valley") original bid price for this contract was \$1,017,562.35 (including HST impact) which exceeded the City's budget. As outlined in Section 17.2 of the City's *General Terms and Conditions*, "The City reserves the right, in its sole discretion, to negotiate with the lowest priced Bidder...in the event that the Bid prices submitted by the Bidders exceed the City's budget".

Consequently, Staff reviewed potential opportunities and entered into negotiations with Pine Valley to seek options to reduce the price, in order to meet the City's approved budget. Staff were able to reduce the price by \$320,362.87 from \$1,017,562.35 to \$697,199.48 by eliminating the following items: transplanting of the existing trees, featured building (gazebo), base and footings, Prunus trees, maple leaf red granite, grey granite and cupola. Additionally, Staff were able to receive a discount of 1% ($\$697,199.48 \times 0.01 = \$6,971.99$) if progress payments are paid with 10 days. Staff will manage the process to ensure these timelines are met and utilize \$6,971.99 to complete the project.

Since, the gazebo is a requirement of this project and part of the Canada 150 grant application, Staff will work with the consultant and recommended supplier to design a more cost effective building and seek the appropriate approval authority at that time. Thereafter, Staff will seek authorization for the additional funding that is over and above the remaining balance of \$23,334.85 as included within this report. As per the council authority dated January 30, 2017, the authorization for the additional funding will not exceed the CAO authority.

OPERATING BUDGET AND LIFE CYCLE IMPACT

The gateway water feature will be added to the life cycle reserve study as part of the 2018 update, in the amount of \$131,875, with a useful life of 20 years. The incremental impact to the operating budget will be \$4,500 per annum; for annual servicing of the water feature. The 2018 operating budget will be adjusted accordingly.

The gateway sign will be added to the life cycle reserve study as part of the 2018 update in the amount of \$74,500, with a useful life of 30 years. There is no incremental impact to the operating budget.

In summary, the impact to the life cycle reserve study over the next 25 years will be \$131,875 for the water feature; the gateway sign has a useful life of 30 years and therefore zero impact.

ENVIRONMENTAL CONSIDERATIONS

All park lighting is LED and energy efficient. The block letter lighting illuminates the letters only.



STAFF AWARD REPORT

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	014-T-17 Remove and Replace Backstop and Outfield Fences
Date:	September 18, 2017
Prepared by:	James Bingham, Park Supervisor, ext. 7997 Patti Malone, Senior Buyer, ext. 2239

PURPOSE

To obtain approval to award the contract for the removal and replacement of backstop and outfield fences.

RECOMMENDATION

Recommended Supplier	Bramalea Fence (Lowest Priced Supplier)	
Current Budget Available	\$146,100.00	050-6150-17150-005 Fence (Backstop and Outfield) Replacement
Less cost of award	\$113,360.64 <u>\$ 11,336.06</u> \$124,696.70	Award Including HST 10% contingency including HST Total Award Including HST
Budget Remaining after this award	\$ 21,403.30	*

*The remaining balance of \$21,403.30 will be returned to the original funding source.

BACKGROUND

This contract is for the annual replacement of baseball field backstops and outfield. In 2017, the following three (3) backstops and four (4) outfield will be replaced:

- Aldergrove Park (one backstop and one outfield fence)
- Denison Park (one backstop and one outfield fence)
- Huntington Park (one backstop and outfield fence)
- Highgate Park (one outfield fence)

BID INFORMATION

Advertised	ETN
Bids closed on	September 7, 2017
Number picking up bid documents	8
Number responding to bid	3

PRICING SUMMARY (INCLUDING HST)

Suppliers	Total Price
Bramalea Fence Ltd.	\$113,360.64
DC Fence Contracting Inc.	\$134,160.37
Compex Construction	\$166,200.54

OPERATING BUDGET AND LIFE CYCLE IMPACT

There is no incremental impact to the operating budget.

The unit cost of the outfield fences and backstops for the locations mentioned above will be adjusted as part of the next Life Cycle update.

There is no incremental impact to the Life Cycle over the next 25 year period, as the useful life of both the backstop and outfield fence is 35 years.

ENVIRONMENTAL CONSIDERATIONS

The removed steel will be recycled at a scrap metal recycling facility.



STAFF AWARD REPORT

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To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	126-T-17 Milliken Mills Community Centre & Library Air Handling Unit Replacement
Date:	October 10, 2017
Prepared by:	Ryan Hanna, Facility Supervisor, Ext. 2103 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE

To obtain approval to award the contract to replace the air handling unit at Milliken Mills Community Centre & Library.

RECOMMENDATION

Recommended Supplier	S.I.G. Mechanical Services Limited (Lowest Priced Supplier)	
Current Budget Available	\$ 225,272.32	500-101-4299-17101 Milliken Mills C.C. Library Air Handling Unit Replacement
Less cost of award	\$ 207,000.22	Inclusive of HST)
	\$ 18,272.10	Contingency @ 8.8%*
	\$ 225,272.32	Total Award inclusive of HST
Budget Remaining after this award	\$ 0	

*Standard contingency is 10%, however, Staff are confident that they can manage the project with a 8.8% contingency and complete the project within budget.

BACKGROUND

Milliken Mills CC Library air handling unit was installed in 1991 and is due for life cycle replacement in 2017 based on condition assessment. The equipment to be replaced includes the existing indoor central-station air handling unit serving the library, and all connected central station AHU components. The new ventilation unit shall be fully integrated with the current duct system and BAS system.

BID INFORMATION

Advertised	ETN
Bid closed on	May 25, 2017
Number picking up document	9
Number responding to bid	3

PRICE SUMMARY (Including HST)

Suppliers	Bid Price
S.I.G. Mechanical Services Limited	\$235,356.63
Canadian Tech Air Systems	\$239,644.80
LCD Mechanical Inc.	\$279,525.56

Note: As allowed under the City's General Terms and Conditions of the contract, the City has the right to negotiate with the lowest priced bidder in the event that the Bid Prices submitted by the Bidders exceed the City's budget. Due to this budget shortfall, Staff entered into negotiations to reduce the price, in order to better meet the City's approved budget. Staff were able to reduce the price by \$28,376.79 by removing the acoustic barrier, duct humidifier and reworking the existing outdoor air louvers.

Acoustic barrier: This item was for aesthetic purposes, to make the addition of the new unit onto the roof blend seamlessly into the existing space. The credit from the removal of this item is \$14,187.00

Duct Humidifier: The facility has limited need for a humidifier and we have had no issue with humidity in the space. The credit from removal of this item is \$4,579.

Outdoor air louvers: This item's scope was modified as the original scope ended up being priced to high. There are many ways to complete this part of the project. A new process was selected that was not as costly. The credit from the modification of the scope is \$9,610.79.

126-T-17 Milliken Mills Community Centre & Library Air Handling Unit Replacement**Page 2 of 2****OPERATING BUDGET AND LIFE CYCLE IMPACT**

The new unit will have 1 year warranty on all installed components thereby alleviating any costs incurred for repairs from the date of installation for 1 year. The Air Handling Unit has an estimated useful life of 20 years, and thus there is no incremental impact to the Life cycle. There is no incremental impact to the Operating budget.

ENVIRONMENTAL CONSIDERATION

All equipment installation must be constructed in conformance with TSSA and the current editions of the CSA B52 Mechanical Refrigeration Code, CSA B149 Gas Code, and ASHRAE 62.1 for ventilation. All disposal of existing material will be in conformance with ministry of environment regulations



STAFF AWARD REPORT

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To:	Andy Taylor, Chief Administrative Officer
Re:	147-T-17 Supply and Delivery of Waterworks and Sanitary Sewer Materials
Date:	September 20, 2017
Prepared by:	Russ Simpson, Waterworks Supervisor, , Ext. 2555 Tony Casale, Sr. Construction Buyer, Ext. 3190

PURPOSE

To obtain approval to award the contract for the supply and delivery of watermain, water service and sewer supplies on an as required basis.

RECOMMENDATION

Recommended Supplier	Wamco Supply (Lowest Priced Supplier)	
Current Budget Available	\$ 238,987.00	
Less cost of award	\$ 177,188.08	2018 Inclusive of HST*
	\$ 177,188.08	2019 Inclusive of HST*
	\$ 177,188.08	2020 Inclusive of HST*
	\$ 531,564.24	Total Award
Budget Remaining after this award	\$ 61,798.92	**

*Subject to Council approval of the 2018, 2019 and 2020 Operating Budgets.

** The remaining balance of \$61,798.92 will be used for other operating requirements as budgeted for in these accounts.

BACKGROUND

The contract is for the supply and delivery of various watermain, water service and sewer supplies on an as required basis. The requirements is for 209 various parts that includes but is not limited to the following:

- Watermain (clamps, couplings, pipe, bolts, valves, fire hydrant)
- Water (curb stops, main stops, and copper pipe)
- Sewer (sewer Pipe, cast iron and manhole frame)

BID INFORMATION

Advertised	ETN
Tender closed on	August 30, 2017
Number of contractors picking up bid documents	6
Number of contractors responding to bid	3

PRICE SUMMARY

Suppliers	Bid Price (Inclusive of HST)
Wamco Supply	\$ 177,188.08*
Underground Specialties	\$ 183,762.43
Emco Corporation	\$ 184,763.43

*In comparing with the 2012-2017 contractual pricing, this contract represents a 12% increase for similar unit items, however, the pricing under this contract is firm fixed for three years (2018-2020).

147-T-17 Supply and Delivery of Waterworks and Sanitary Sewer Materials**Page 2 of 2****FINANCIAL CONSIDERATIONS**

Account Name	Account #	2017 Budget Amount	2018 Budget Available	Cost of Award	Budget Remaining
Water Main Breaks	760-100-4530	30,740	30,740	17,500	13,240
T&D Main Line	760-110-4530	2,060	2,060	1,000	1,060
T&D Residential Services	760-111-4530	31,577	31,577	20,000	11,577
T&D ICI Services	760-112-4530	17,000	17,000	5,000	12,000
T&D Valves	760-113-4530	37,643	37,643	21,721	15,922
T&D Chambers	760-114-4530	9,000	9,000	8,000	1,000
T&D Hydrants	760-115-4530	95,967	95,967	95,967	0
Sewer Line Breaks	760-500-4530	4,000	4,000	2,000	2,000
T&D Main Line	760-510-4530	2,000	2,000	1,000	1,000
T&D Residential Services	760-511-4530	5,000	5,000	4,000	1,000
T&D ICI Services	760-512-4530	4,000	4,000	1,000	3,000
Totals:		238,987	238,987	177,183	61,804

OPERATING BUDGET AND LIFE CYCLE IMPACT

N/A

ENVIRONMENTAL CONSIDERATIONS

N/A

**STAFF AWARD REPORT**

To:	Mary Creighton, Director, Recreation Services
Re:	152-Q-17 Crosby Arena HVAC Replacement
Date:	September 14, 2017
Prepared by:	Paul Singleton, Supervisor, Community Facility, Ext. 2920 Darius Chung, Senior Buyer, Ext. 2025

PURPOSE

To obtain approval to award the contract for the supply and replacement of four (4) rooftop units, four (4) furnaces, and 1 (one) boiler at the Crosby Memorial Community Centre.

RECOMMENDATION

Recommended Supplier	Smartair HVAC Ltd. (Lowest Priced Supplier)	
Current Budget Available	\$ 72,830.00	500-101-4299-17091
Less cost of award	\$ 51,416.68	Cost of Award (Inclusive of HST Impact)
	\$ 5,141.67	Contingency (10%)
	\$ 56,558.35	Total Project Cost (Inclusive of HST Impact)
Budget Remaining after this award	\$ 16,271.65	*

*The balance remaining of \$16,271.65 will be returned to the original funding source

BACKGROUND

The equipment to be removed includes four (4) existing rooftop units, four (4) furnaces, and one (1) boiler. Each unit shall be directly replaced by a similar unit, with higher operating efficiency. Existing piping and ducting systems shall be reconnected to the new equipment. The current HVAC units are no longer able to keep up with heating and cooling demands for the lower and upper areas of the facility.

BID INFORMATION

Advertised	Electronic Tendering Network
Bids closed on	Tuesday July 25, 2017
Number picking up bid documents	12
Number responding to bid	9

PRICE SUMMARY (Inclusive of HST)

Suppliers	Bid Price
Smartair HVAC Ltd	\$51,416.68
Grayco Air Inc	\$62,895.82
Enercare Commercial Services	\$63,479.54
360 Mechanical Group Ltd.	\$71,963.65
S.I.G. Mechanical Services Limited	\$81,408.00
Canadian Tech Air Systems	\$99,928.32
LCD Mechanical Inc.	\$100,640.64
Litek Mechanical Services Inc.	\$139,411.20
Geo. A. Kelson	\$157,722.91

OPERATING BUDGET AND LIFE CYCLE IMPACT

The new furnace and roof top units were chosen based on their size and efficiency which is capable of annual estimated saving of \$4,800. Replacement unit price will be adjusted in the next Life Cycle Reserve Study update.

ENVIRONMENTAL CONSIDERATIONS

The new units achieve higher energy efficiencies resulting in energy cost savings.



STAFF AWARD REPORT

To:	Andy Taylor, Chief Administrative Officer
Re:	160-T-17 Play Equipment Replacement at Six Parks
Date:	September 6, 2017
Prepared by:	Scott Grieve, Parks Supervisor, Ext. 2486 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE

To obtain approval to award the contract for the replacement of play structure equipment at six parks.

RECOMMENDATION

Recommended Supplier	Hawkins Contracting Services Limited (Lowest Priced Supplier)	
Current Budget Available	\$ 389,137.12	059-6150-16174-005 Play structure Replacement
Less cost of award	\$ 384,147.54	Award including HST
Budget Remaining after this award	\$ 4,989.58	*

* The remaining balance of \$4,989.58 will be returned to the original funding source.

BACKGROUND

The play equipment is to be replaced at the following six park locations:

- Pioneer Park,
- Proctor, Park
- Toogood Park
- John Button Park
- Beaupre Park
- Springdale Park

The work will consist of the following:

- Removal/stockpiling and reinstate existing sand safety surface
- Removal and disposal of existing play equipment
- Coordination of the supply and installation of new play equipment
- Restoration of park back to its original condition following completion of construction

The project is to be completed by **November 15, 2017**.

BID INFORMATION

Advertised	ETN
Bid closed on	September 5, 2017
Number picking up document	4
Number responding to bid	3

PRICE SUMMARY

Suppliers	Bid Price (Inclusive of HST)	
Hawkins Contracting Services Limited	\$	384,147.54
Pine Valley Corporation	\$	426,722.23
Mopal Construction Limited	\$	515,516.99

OPERATING BUDGET AND LIFE CYCLE IMPACT

There is no incremental impact to the operating budget. The Life Cycle study will be updated as part of the 2018 update to reflect the replacement cost for the six park locations above. There is nominal incremental impact to the Life Cycle over the next 25 years.

ENVIRONMENTAL CONSIDERATIONS

- Sand safety surface to be re-used to minimize the amount of replacement material.
- All trees and plants to be protected during the work, with the installation of protective fencing to protect existing trees and shrubs.

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

To:	Andy Taylor, Chief Administrative Officer
Re:	187-T-17 Supply & Delivery of Two Plow/Dump Combination Trucks
Date:	October 10, 2017
Prepared by:	Raymond Law, Manager, Business & Technical Services, ext. 4852 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE

To obtain approval to award a contract for the supply and delivery of one 5 ton dump 41,000 GVW truck (to replace unit 1276) and one tandem dump 60,000 GVW truck (to replace unit 1277).

RECOMMENDATION

Recommended Supplier	Altruck International Truck Centres (Lowest Priced Supplier)	
Current Budget Available	\$ 563,444.25	057-6150-15241-005 Corporate Fleet Replacement, Non-fire
Less cost of award	\$ 492,340.32	Inclusive of HST
Budget Remaining after this award	\$ 71,103.93	*

*Balance of \$71,103.93, \$6,105.60 will be used for Markhamizing costs for both units. The remaining balance in the amount of \$64,998.33 will be returned to the original funding source.

BACKGROUND

Tender 187-T-17 was issued for the supply and delivery of one 5 ton dump 41,000 GVW truck (to replace unit 1276) and one tandem dump 60,000 GVW truck (to replace unit 1277).

The vehicles identified for replacement in this report were identified in the 2015 Corporate Fleet Replacement Program. Units in this award have had condition assessments completed by Fleet staff and meet the requirements of the Fleet Replacement Program. Upon delivery of the new vehicles, the following units: 1276 and 1277 be sold in accordance with Purchasing By-law 2004-341, Part V, Disposal of Personal Property and proceeds will be posted to account 890 890 9305.

BID INFORMATION

Advertised	ETN
Bid closed on	August 16, 2017
Number picking up document	5
Number responding to bid	2

Note: An International chassis was specified as part of the vehicle requirements and only three dealers were able to bid. One of the three dealers felt they were outside of our area and therefore, did not submit a bid.

PRICE SUMMARY (Inclusive of HST)

5 Ton Dump 41,000 GVW – Quantity 1 (replacing unit 1276)

Suppliers	Bid Price
Altruck International Truck Centres	\$237,584.16
Tallman Truck Centre	\$239,784.21

Tandem Dump 60,000 GVW - Quantity 1(replacing unit 1277)

Suppliers	Bid Price
Altruck International Truck Centres	\$254,756.16
Tallman Truck Centre	\$256,757.78

187-T-17 Supply & Delivery of Two Plow/Dump Combination Trucks

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OPERATING BUDGET AND LIFE CYCLE IMPACT

The remaining balance in the amount of \$64,998.33 will be returned to the original funding source.

The Life Cycle Reserve Study will be updated as part of the 2018 update to reflect the purchase of these vehicles as replacement for units 1276 and 1277. The useful life of the new vehicles will be 10 years, the same as the old vehicles which are being replaced. There is no incremental impact to the Life Cycle.

ENVIRONMENTAL CONSIDERATIONS

All units in this award utilize current 2017 technology for reducing overall engine emissions.



STAFF AWARD REPORT

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	195-Q-17 Supply and Delivery of Two 49 HP Tractors
Date:	October 10, 2017
Prepared by:	Raymond Law, Manager, Business & Technical Service, Ext. 4852 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE

To obtain approval to award the contract for the supply and delivery of two 49 HP tractors with cabs.

RECOMMENDATION

Recommended Supplier	B.E. Larkin Equipment Ltd. (Lowest Priced Supplier)	
Current Budget Available	\$ 90,780.00	057-6150-17164-005 Fleet Replacement Non-Fire
Less cost of award	\$ 88,938.24	Award Amount Inclusive of HST
Budget Remaining after this award	\$ 1,841.76	*

* The remaining balance of \$1,841.76 will be returned to the original funding source.

BACKGROUND

This tender was issued in accordance with the Purchasing By-law for the purchase of two (2) tractors with cabs required for grounds maintenance by the Operations Department.

All units identified for replacement in this report have had condition assessments completed by Fleet staff and have met the fleet replacement life cycle of 12 years as identified in the Corporate Fleet Policy for this unit type/class.

The tractors to be replaced (units #3457 and #3460) will be sold upon delivery of the new units in accordance with Purchasing By-law 2017-8, PART V Disposal of Personal Property and the proceeds will be posted to account 890 890 9305; proceeds from the Sale of Other Fixed Assets.

BID INFORMATION

Advertised	ETN
Bid closed on	August 25, 2017
Number picking up document	6
Number responding to bid	6*

*Two bid submissions were disqualified for not meeting the required specifications. One supplier's tractor transmission was a shuttle shift gear, not hydrostatic, and did not have a reverse warning signal and the other supplier's engine did not meet the minimum displacement or the minimum rear tire size.

PRICE SUMMARY (Inclusive of HST)

Suppliers	Qty	Unit Cost	Extend Price	Type
B.E. Larkin Equipment Ltd.	2	\$44,469.12	\$88,938.24	Kubota L4760 H5T CC
Todd Equipment Ltd.	2	\$45,819.48	\$91,638.96	Massey Ferguson 1754
W. J. Lambert & Sons Ltd.	2	\$46,707.84	\$93,415.68	Massey Ferguson 1754H
Hutchinson Farm Supply Inc.	2	\$48,844.80	\$97,689.60	John Deere 4052R

OPERATING BUDGET AND LIFE CYCLE IMPACT

There is no incremental impact to the operating budget as both units are replacement for existing tractors in the fleet. There is minimal impact to the life cycle over the next 25 years.

ENVIRONMENTAL CONSIDERATIONS

The tractors being purchased meet the Tier 4 emissions standard, which reduces emissions through use of advanced control systems.



STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	224-Q-17 Fred Varley Art Gallery Roof Top Make-Up Air Unit (RTU) Replacement
Date:	August 30, 2017
Prepared by:	Renee England, Senior Manager, Facilities Assets, Ext. 2674 Anik Claude, Curator and Program Co-ordinator, Ext. 3262 Rosemarie Patano, Senior Construction Buyer, Ext. 2990

PURPOSE

To obtain approval to award the contract for supply and installation of a new Roof Top Make-Up Air Unit at the Fred Varley Art Gallery.

RECOMMENDATION

Recommended Supplier(s)	S.I.G. Mechanical Services Ltd. (Lowest Priced Supplier)	
Current Budget Available	\$ 0.00	Non DC-Capital Contingency
Add Rebate	\$ 800.00	SAVE-ON-ENERGY Rebate*
Less cost of award	\$ 141,583.77	Cost of Award
	\$ 14,158.37	Contingency (10%)
	(\$ 155,742.14)	Total Award (Inclusive of HST Impact)
Budget Remaining after this award	(\$ 154,942.14)	**

*This one-time energy rebate (i.e. Save on Energy Program) is expected to be processed by January 2018.

**The shortfall of \$154,942.14 will be funded from the Non-DC Capital Contingency account.

BACKGROUND

This project scope includes the following:

- Remove the existing 20-Ton Roof Top Unit (RTU #1)
- Supply & Install a new and more energy efficient 20-Ton Roof Top unit
- Structural review and modification of the existing roof
- Integrate the facility's existing Building Automation System (software and hardware components)
- Integrate the facility's existing fire panel alarm response system
- Repair insulation damage on the exterior duct work

The expected completion date is September 30, 2017. The rebate application can be submitted upon installation and processed in 2-3 months.

OPTIONS/DISCUSSIONS

The roof top make-up air unit (RTU #1) for Fred Varley Art Gallery originally installed in 1997 (20 years old) is at end of its expected life cycle and is due for replacement. Through the 2018 Capital Budget process, Staff included \$181,680.00 within project # 18016 "Gallery HVAC Cooling Tower, Chiller, RTU + Exhaust Fan" to complete the supply and installation of a new Roof Top Make-Up Air Unit at the Fred Varley Art Gallery.

Subsequently, on August 19th the Roof Unit stopped working. This unit provides heating, cooling and ventilation to the main lobby and 3 of the activity rooms on the ground level at Fred Varley Gallery. These areas are necessary to accept visitors and host a number of events including children's day camps, seniors' activities, weddings and an array of other private functions. Without appropriate climate controls within the building there would be an anticipated loss of reputation and revenue due to cancellations of events.

Many of the components for the unit are difficult to source or had to be custom fabricated due to obsolescence. Staff investigated the option of repairing the unit until the 2018 Capital Project Budget approval, however, the unit is beyond repair.

Due to the urgency, Staff are recommending replacing the unit immediately by utilizing Non-DC Capital Contingency and reduce the 2018 Capital Project Submission for Project # 18016 by \$181,680.00 (the original estimate).

224-Q-17 Fred Varley Art Gallery Roof Top Make-Up Air Unit Replacement**Page 2 of 2****BID INFORMATION**

Advertised	By Invitation
Bid closed on	August 14, 2017
Number picking up document	5
Number responding to bid	5

PRICE SUMMARY (Inclusive of HST)

Suppliers	Base Bid Price	Cash Allowance*	Total Bid Price
S.I.G. Mechanical Services Ltd.	\$ 126,319.77	\$ 15,264.00	\$ 141,583.77
360 Mechanical Group Ltd.	\$ 137,248.80	\$ 15,264.00	\$ 152,512.80
MajorAir Systems	\$ 142,464.00	\$ 15,264.00	\$ 157,728.00
Versatech Mechanical Ltd.	\$ 150,096.00	\$ 15,264.00	\$ 165,360.00
CopperHead Mechanical	\$ 154,115.52	\$ 15,264.00	\$ 169,379.52

*Included a separate cash allowance to the received Base Bid Price (inclusive of HST); additional \$10,176.00 to integrate the facility's existing Building Automation System (BAS), both software and hardware components; and, additional \$5,088.00 to integrate the facility's existing fire panel alarm response system (\$10,176.00 + 5,088.00 = \$15,264.00),

OPERATING BUDGET AND LIFE CYCLE IMPACT

With the purchase of a high efficiency RTU, the City is eligible for a one-time energy rebate through the Save on Energy Program of \$800. The new RTU will be equipped with variable frequency drives, premium efficiency motors, and improved controls through the building automation system (BAS) and economizer. Compared to the current unit, the new unit will provide an incremental Operating savings of \$11,200/year through energy efficiency.

The expected life expectancy of the new RTU unit is 20 years and therefore the life cycle impact will be \$155K over the next 25 year period.

ENVIRONMENTAL CONSIDERATIONS

- Construction waste will be disposed as per properly in accordance with applicable laws, regulations and industry standards.
- The replacement unit is ASHRAE 90.1 compliant, ISO 9001 manufacturing quality
- Energy Consumption is expected to decrease by 74,900 kWh/year.

**STAFF AWARD REPORT**

To:	Mary Creighton, Director, Recreations Alex Moore, Senior Manager, Purchasing & Accounts Payable
Re:	223-Q-17 Mt Joy CC Dehumidifier Replacement
Date:	August 30, 2017
Prepared by:	Darius Chung, Senior Buyer, Ext. 2025

PURPOSE

To obtain approval to award the contract for supply and installation of a new dehumidifiers at the Mt Joy CC through an emergency purchase.

RECOMMENDATION

Recommended Supplier(s)	Cimco Refrigeration (Emergency Purchase) – Non-Competitive Supplier	
Current Budget Available	\$ 0.00	Non DC-Capital Contingency
Less cost of award	\$ 70,723.20	Cost of Award (inclusive of HST Impact)
Budget Remaining after this award	(\$ 70,723.20)	*

*The shortfall of \$70,723.20 will be funded from the Non-DC Capital Contingency account.

Staff further recommends:

Notwithstanding any other provision of Purchasing By-law, the following provisions shall apply in case of an emergency: (a) wherever feasible, the Manager of Purchasing, upon the recommendation of the Director of the User Department, shall secure by the most open procedure at the lowest obtainable price and consistent with service requirements, any goods or services required up to the amount of \$350,000.

BACKGROUND

The current dehumidifiers were installed in 1998 and are in poor condition. The project scope includes the following:

- Remove two (2) existing dehumidifiers
- Supply & Install two (2) new and more energy efficient dehumidifiers
- Installation of new Duct work

OPTIONS/DISCUSSIONS

Two (2) of the four (4) dehumidifiers at the Mt Joy CC arena are not functional. These dehumidifiers are required to maintain safe ice conditions as improper dehumidification impacts the pipes above the ice which leads to dripping of water onto the ice surface making it unsafe to skate.

These units were scheduled to be replaced as part of the 2018 capital life cycle program, however, due to the urgency, Staff declared an emergency and are recommending replacing the units immediately by utilizing Non-DC Capital Contingency and eliminating the 2018 Capital Project Submission for Project # 18153 in the amount of \$82,000.

By completing the work now, the City will eliminate the need to spend \$10,500.00 to repair the two (2) units to get them working until they could be replaced in 2018.

Cimco Refrigeration are under contract with the City until 2021 for full service preventative maintenance program for arena refrigeration equipment and there are few alternative service providers in this industry. Staff were able to negotiate with the Cimco Refrigeration at a cost of 14% lower than the 2018 budget estimate and to complete the work in an expedited manner since they have units in stock.

OPERATING BUDGET AND LIFE CYCLE IMPACT

The 2017 Life Cycle update includes an amount of \$82,000 for Dehumidifier Replacement over the next 15 years.

Compared to the current units, the new units will provide Operating savings of \$12,720/year through energy efficiency.

ENVIRONMENTAL CONSIDERATIONS

The new units will provide a decrease in energy consumption, better air quality and less condensation.

**STAFF AWARD REPORT**

To:	Andy Taylor, Chief Administrative Officer
Re:	239-S-17 Bayview and Steeles Watermain Repair and Replacement
Date:	September 19, 2017
Prepared by:	Eddy Wu, Manager, Operations & Maintenance Ext. 2445 Tony Casale, Senior Construction Buyer, Ext. 3190

PURPOSE

To obtain approval to issue a purchase order to the City of Toronto for full roadway restoration at Bayview and Steeles Avenue.

RECOMMENDATION

Recommended Supplier (s)	City of Toronto (Non-Competitive Procurement)	
Current Budget Available	\$ 251,742.69	760-100-5300 Construction
Less cost of award	\$ 196,101.50	Incl. of HST
Budget Remaining after this award	\$ 55,641.19	*

*The remaining budget in the amount of \$55,641.19 will be utilized to fund other operating contracts for watermain break repairs.

Staff further recommends:

THAT the tendering process be waived in accordance with Purchasing By-Law 2017-8, Part II, Section 11.2 "Request for Tenders, may not be required for goods and services to be provided by any of the following: "Municipalities and special purpose bodies within the City when similar goods or services are not available from any other source:"

BACKGROUND

In 2015, due to multiple watermain breaks on Steeles Avenue east of Bayview Avenue, the City of Markham in consultation with the City of Toronto repaired and relocated a section of watermain under the road way to under the boulevard. The strategy was to negate any road cuts that may be required in the future for any further repairs. After completion of the relocation and the repair, the City of Markham completed temporary road, curb and sod restoration with full restoration planned in 2016.

In 2016, staff noticed that the road, curb and sod were fully restored but not by the City of Markham. It was determined that the City of Toronto undertook the restoration works as the affected area was on Steeles Avenue (under the jurisdiction of the City of Toronto in terms of maintenance). Since the root cause of the roadway repair was from the City of Markham's watermain repair and replacement, it was deemed that the roadway repair be paid 100% by the City of Markham.

In 2017, the City of Toronto provided the cost for the full restoration. Staff reviewed the quantities of work undertaken which includes Road Cut (total 519.98 m²), Asphalt Driveway (total 107.5 m²), Flatwalk Sidewalk (total 208.92 m²), Curb (total 12.70 m), Sod (total 99.65 m²) and staff confirmed that the quantities and pricing are reasonable for this type of work.

OPERATING BUDGET AND LIFE CYCLE IMPACT

The amount will be funded from the watermain break operating account.

ENVIRONMENTAL CONSIDERATIONS

N/A



STAFF AWARD REPORT

To:	Andy Taylor, Chief Administrative Officer
Re:	198-T-14, Napkin Disposal, Sanitizing & Air Freshening Service – Contract Extension
Date:	August 22, 2017
Prepared by:	Amaris Liu, Asset Coordinator, Sustainability & Asset Management, ext. 3526 Flora Chan, Senior Buyer, ext. 3189

PURPOSE

To obtain approval to extend the contract for napkin disposal, diaper disposal, washroom air freshener, and drip sanitizer at 35 facilities for an additional two (2) years at the same 2014 itemized prices and as per the original bid document.

RECOMMENDATION

Recommended Supplier	Citron Hygiene LP (Sole Bidder)	
Current Budget Available	\$ 14,312.80	Budget allocated for these items
Less cost of award	\$ 14,312.80	2017 inclusive of HST (Oct 1-Dec 31)
	\$ 58,024.57	2018 inclusive of HST**
	\$ 43,711.77	2019 inclusive of HST (Jan 1-Sep 30)**
	\$ 116,049.14	Total Cost of Award
2017 Budget Remaining after this award	\$ 0	***

*Various operating accounts City-Wide at a total of 35 locations.

** Subject to Council approval of the 2018 and 2019 operating budgets.

BACKGROUND

This contract is for the provision of Napkin Disposal Services (343 units), Diaper Disposal (49 units), Washroom Air Freshener (74 units), and Drip Sanitizer (70 units) at 35 facilities at yearly cost of \$58,024.57 (starting Oct 1 ending Sept 30).

In 2014, Staff awarded Tender 198-T-14 to sole bidder, Citron Hygiene LP (previously known as Cannon Hygiene Canada Limited), for the initial contract term of three (3) years, however, the bid document had an option to renew for two (2) additional years at the same terms, conditions and pricing and subject to contractor's performance and satisfaction of the City.

As Staff are satisfied with the level of service provided by the supplier, who has demonstrated a good understanding of the City's systems and procedures over the years. Staff are recommending exercising the option to extend for additional two (2) years at the same 2014 itemized pricing and as per the original bid document and bid submission.

OPERATING BUDGET AND LIFE CYCLE IMPACT

N/A

ENVIRONMENTAL CONSIDERATIONS

N/A

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

To:	Andy Taylor, Chief Administrative Officer
Re:	200-T-17 Streetlight Infrastructure Improvements on Rodick Road from Miller Avenue to 16 th Avenue
Date:	September 13, 2017
Prepared by:	Peter Chan, Capital Works Engineer Ext. 4055 Tony Casale, Sr. Construction Buyer, Ext. 3190

PURPOSE

To obtain approval to award Streetlight Infrastructure Improvements on Rodick Road from Miller Avenue to 16th Avenue.

RECOMMENDATION

Recommended Supplier	E.C. Power & Lighting Ltd. (Lowest Priced Supplier)	
Current Budget Available	\$ 1,366,179.00	083-5350-16043-005 Illumination Program
Less cost of award	\$ 551,133.68	Illumination Construction (Incl. of HST)
	\$ 65,802.90	Provisional Items*
	\$ 55,524.29	Contingency @ 9%
	\$ 672,460.87	Total (Inclusive of HST)
	\$ 78,521.48	Internal Construction Administration Fee
	\$ 750,982.35	Total Cost of Award
Budget Remaining after this award	\$ 615,196.65	**

* The provisional items include the provision for using open cut excavations, site restoration works, and hydrovac utility locates. The requirement for the provisional items will not be confirmed until such time that the contractor is awarded the contract and the preferred alternative is discussed and approved by the City.

**The remaining budget in the amount of \$615,196.65 will be returned to the original funding source.

BACKGROUND

This award is part of the 2016 illumination program for Rodick Road from Miller Avenue to 16th Avenue.

The project is expected to commence in September 2017 and be substantially completed by January 2018. Through this award, approximately 58 new street light fixtures will be installed, including 47 new streetlight poles, over 3.6km of Rodick Road. Eleven (11) existing poles will be used for new luminaires.

BID INFORMATION

Advertised	ETN
Bid closed on	September 7, 2017
Number picking up document	12
Number responding to bid	7

PRICE SUMMARY

Suppliers	Bid Price (Incl. of HST)
E.C. Power & Lighting Ltd.	\$ 551,133.68
Alltrade Industrial Contractors Inc.	\$ 588,401.15
Guild Electric Ltd.	\$ 617,651.65
Fellmore Electrical Contractors Ltd.	\$ 617,681.01
Dundas Power Line Ltd.	\$ 664,462.27
1737126 o/a C.C. Underground	\$ 759,274.41
Beacon Utility Contractors Limited	\$ 856,062.11

200-T-17 Streetlight Infrastructure Improvements on Rodick Road from Miller Avenue to 16th Avenue Page 2 of 2**FINANCIAL CONSIDERATIONS**

Project Description	Account#	Original Budget	Budget Available	Amount allocated to project	Budget Remaining
Illumination Program (c)	083-5350-16043-005	\$1,635,805.00	\$1,366,179.00	\$ 750,982.35	\$ 615,196.65

* The remaining budget in the amount of \$615,196.65 will be returned to the original funding source

OPERATING BUDGET AND LIFE CYCLE IMPACT

The annual maintenance cost for 47 light poles is \$2,350.00 (\$50.00/pole x 47 poles). The annual energy consumption for the 58 new lights is \$5,916 per year (\$102 / luminaire / year x 58 luminaires). The total annual operating impact is \$8,266 (\$2,350+\$5,916).

Luminaire service life is estimated to be 20 years. The life cycle impact is \$38,396 over the next 25 years (unit cost of \$662 x 58 luminaires) which will be included in the next Life Cycle Reserve Study Update. Streetlight poles have an estimated service life of 70 years, therefore there is no life cycle impact.

ENVIRONMENTAL CONSIDERATIONS

The illumination work will utilize LED lighting. LED's are energy efficient and consume less power than incandescent bulbs. Since LED light uses only a fraction of the energy of an incandescent light bulb will result in a decrease in power costs.

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

To:	Andy Taylor, Chief Administrative Officer
Re:	215-T-17 Whistling Cessation Measures on Five Rail Crossings in the City of Markham - Phase 1 of 3
Date:	September 28, 2017
Prepared by:	Peter Chan, Capital Works Engineer Ext. 4055 Tony Casale, Sr. Construction Buyer, Ext. 3190

PURPOSE

To obtain approval to award the contract for whistling cessation measures on five (5) rail crossings in the City of Markham.

RECOMMENDATION

Recommended Supplier	Aqua Tech Solutions Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 5,621,300.00	083-5350-17038-005 Anti-Whistling 2017
Less cost of award	\$ 752,970.89	Construction (Incl. of HST)*
	\$ 37,648.54	Contingency @ 5%
	\$ 790,619.43	Total (Inclusive of HST)
	\$ 89,155.75	Internal Construction Administration Fee
	\$ 879,755.18	Total Cost of Award
Budget Remaining after this award	\$ 4,741,544.82	**

*The award amount includes the following:

- Cash allowance in the amount of \$15,264.00, inclusive of HST for utility locates by hydrovac and geotechnical work and material testing by third parties
- Provisional items in the amount of \$32,389.60, inclusive of HST for street cleaning, additional excavation and overtime. The provisional items may not be required and any remaining balance will be maintained within the account until completion of all phases of the project.

**The award under this report is for Phase 1 of 3, and due to the uncertainty of the pricing, Staff will monitor the budget and report back to Council before the end of the year to provide a project and financial update. The remaining budget of \$4,741,544.82 will be used to complete Phases 2 and 3 of the project.

BACKGROUND

The project is expected to commence in October 2017 and be substantially completed by December 2017. Safety enhancements for five (5) railway crossings will be constructed through this award, including sidewalk improvement, installation of maze barriers, warning signs, and pavement markings.

BID INFORMATION

Advertised	By Invitation
Bid closed on	September 27, 2017
Number picking up document	9
Number responding to bid	2*

* Staff contacted the 7 bidders who did not submit a bid and they identified that they were too busy working on existing projects or could not meet the City's timelines (December 2017).

PRICE SUMMARY

Suppliers	Bid Price (Incl. of HST)*
Aqua Tech Solutions Inc.	\$ 752,970.89
Rafat General Contractor Inc.	\$ 778,754.02

*Includes cash allowance and provisional items.

215-T-17 Whistling Cessation Measures on Five Rail Crossings in the City of Markham (Phase 1 of 3) Page 2 of 2

OPERATING BUDGET AND LIFE CYCLE IMPACT

Operating costs associated with this project are included in the base Operating budget. There is no incremental life cycle impact.

ENVIRONMENTAL CONSIDERATIONS

The Contractor shall remove all debris and transport to an authorized dump, waste treatment site or recycling facility. Any removed asphalt and concrete under this contract may be recycled dependent on the quality of the material.

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

To:	Jim Baird, Commissioner, Development Services
Re:	218-T-17 Water, Sanitary and Storm Sewer Connections at Various Locations
Date:	September 7, 2017
Prepared by:	Kay Man Poon, Manager, Municipal Inspections, Ext. 2897 Tony Casale, Senior Construction Buyer, Ext. 3190

PURPOSE

To obtain approval to award the contract for water, sanitary and storm sewer connections at various locations.

RECOMMENDATION

Recommended Supplier (s)	MAAD Excavation Inc. (Lowest Priced Supplier)	
Less cost of award	\$ 128,546.80	Cost of award (Excl. of HST)*
	\$ 16,711.08	HST (13%) **
	\$ 145,257.88	Total Cost of Award

* Service connections are fully recoverable from homeowners and work does not commence until payment has been received by the City. The issuance of a purchase order is contingent upon receipt of payment from homeowners.

BACKGROUND

Upon receipt of applications from City of Markham property owners, engineering staff obtain pricing from qualified companies for the installation of water, storm and/or sanitary service connections to service residential lots. The locations identified in this Request for Tender are as follows:

- Location 1: 18 Abercorn Rd (Sanitary/Water)
- Location 2: 54 Dawn Hill Trail (Water)
- Location 3: 6 Ankara Crt (Storm/Sanitary/Water)
- Location 4: 6 Ovida Blvd (Storm/Sanitary/Water)
- Location 5: 8 Liebeck Cres (Storm/Sanitary/Water)
- Location 6: 143 Fred Varley Dr (Storm/Sanitary/Water)
- Location 7: 52 Wooten Way N (Storm)
- Location 8: 63 Lincoln Green Dr (Sanitary/Water)
- Location 9: 26 Markhaven Rd (Storm/Sanitary/Water)
- Location 10: 10 Reesorville Rd (Sanitary/Water)
- Location 11: 2 Hagerman Blvd (Storm/Sanitary/Water)

BID INFORMATION

Advertised	ETN
Bids closed on	September 1, 2017
Number picking up bid documents	8
Number responding to bid	4

PRICE SUMMARY (Exclusive of HST)

Locations	MAAD Excavation Inc.	Efcon Inc.	FDM Contracting Co. Ltd.	Dig-Con International Limited
18 Abercorn Rd	\$ 14,769.00	\$ 23,200.00	\$ 35,250.00	\$ 66,100.00
54 Dawn Hill Trail	\$ 4,669.19	\$ 11,100.00	\$ 5,000.00	\$ 31,900.00
6 Ankara Crt	\$ 13,600.00	\$ 21,850.00	\$ 46,000.00	\$ 103,200.00
6 Ovida Blvd	\$ 11,400.00	\$ 24,150.00	\$ 22,750.00	\$ 91,650.00
8 Liebeck Cres	\$ 11,308.19	\$ 22,450.00	\$ 23,250.00	\$ 33,625.00
143 Fred Varley Dr	\$ 18,800.00	\$ 25,100.00	\$ 20,550.00	\$ 90,600.00
52 Wooten Way N	\$ 13,900.00	\$ 17,140.00	\$ 17,750.00	\$ 44,300.00
63 Lincoln Green Dr	\$ 8,000.09	\$ 18,900.00	\$ 15,750.00	\$ 69,600.00
26 Markhaven Rd	\$ 11,700.16	\$ 25,150.00	\$ 23,550.00	\$ 97,100.00
10 Reesorville Rd	\$ 8,850.18	\$ 17,900.00	\$ 20,250.00	\$ 73,700.00
2 Hagerman Blvd	\$ 11,550.00	\$ 24,150.00	\$ 23,250.00	\$ 103,500.00

*Service connections are fully recoverable from homeowners and work does not commence until payment has been received by the City. The issuance of a purchase order is contingent upon receipt of payment from homeowners.

OPERATING BUDGET AND LIFE CYCLE IMPACT

N/A

ENVIRONMENTAL CONSIDERATIONS

N/A



STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	220-T-17 2017 Sidewalk Construction Program
Date:	September 13, 2017
Prepared by:	Dereje Tafesse, Sr. Capital Works Engineer Ext. 2034 Tony Casale, Sr. Construction Buyer, Ext. 3190

PURPOSE

To obtain approval to award the contract for the sidewalk and illumination program on local and regional roads.

RECOMMENDATION

Recommended Supplier	Rafat General Contractor Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 1,269,728.43	083-5350-16049-005 Sidewalk Program
	\$ 199,222.00	083-6150-14030-005 Sidewalk Program
	\$ 106,965.17	083-5350-16043-005 Illumination Program
	\$ 1,575,915.60	Total Budget
Less Cost of Award	\$ 1,076,371.49	Sidewalk Construction (Incl. of HST)
	\$ 85,285.05	Illumination Construction (Incl. of HST)
	\$ 92,932.52	Contingency @ 8%
	\$ 1,254,589.06	Total (Inclusive of HST)
	\$ 127,094.18	Engineering Fee
	\$ 75,275.34	Internal Construction Administration Fee @ 6%
	\$ 1,456,958.58	Total Cost of Award
Budget Remaining after this award	\$ 118,957.02	*

* The remaining sidewalk budget in the amount of \$118,957.02 will be returned to the original funding

BACKGROUND

This award is part of the sidewalk & illumination program and includes the following areas:

Sidewalk construction stages

Stage 1 - requirements are outlined below and to be completed by the end of December 2017:

Street	Location	From/To
Gibson Drive	South Side	Warden Avenue to Ferrier St
Kennedy Road	West Side	Major Mac. Drive to Angus Glen Golf Course entrance
Rose Way	South Side	Regionald Crescent to 9 th Line
Markham Road	West Side	Esso D/Way to Old Wellington

Stage 2 - requirements to be completed no later than August 30, 2018

Street	Location	From/To
Markham Road	East Side	Denison St. to New Delhi Drive
Markham Road	East Side	Kirkham Dr. to 7635 Markham Rd D/Way
Shields Court	West/South Side	Woodbine Ave. to south end
Walkway 1		Walnut Glen Place to Warden MUP
Walkway 2		Country Estate Blvd. to Warden MUP
Water St.	East Side	Wilson St. to new development
Litchfield Rd.	South Side	Sciberras to west end
Sciberras Rd.	West Side	Litchfield Rd. to Hwy 7

BACKGROUND (Continued)**Sidewalk & Illumination – Stage 2**

Street	Location
Clegg Road	South side (Rodick Rd to South Town Centre Blvd)

The project is expected to commence in September 2017 and be substantially completed by December 2018. Through this award approximately 4.2 km of sidewalk and 6 street lights will be constructed.

BID INFORMATION

Advertised	ETN
Bid closed on	August 31, 2017
Number picking up document	11
Number responding to bid	4

PRICE SUMMARY

Suppliers	Bid Price (Inclusive of HST)
Rafat General Contractors Inc.	\$ 1,161,656.54
Vaughan Paving Ltd.	\$ 1,184,896.35
Aqua Tech Solutions Inc.	\$ 1,188,686.17
Onsite Contracting Inc.	\$ 1,320,645.64

FINANCIAL CONSIDERATIONS

Project Description	Account#	Original Budget	Budget Available	Amount allocated to project	Budget Remaining
Sidewalk Program (a)	083-5350-16049-005	\$1,644,830.96	\$1,269,728.43	\$1,269,728.43	\$0.00
Sidewalk Program (b)	083-6150-14030-005	\$2,606,469.00	\$199,222.00	\$80,264.98	\$118,957.02
Illumination Program (c)	083-5350-16043-005	\$1,635,805.00	\$106,965.17	\$ 106,965.17	\$0.00
Total Award (a) + (b) + (c)		\$5,887,105.00	\$1,575,915.60	\$1,456,958.58	\$118,957.02

* The remaining sidewalk budget in the amount of \$118,957.00 will be returned to the original funding

OPERATING BUDGET AND LIFE CYCLE IMPACT

The annual maintenance cost for 6 light poles is \$300.00 (6 poles x \$50.00/pole). The annual energy consumption for the 6 new lights is \$612 (6 units x \$102/luminaire). Sidewalk annual maintenance is \$18,000 for winter maintenance, salting and other. The total annual operating impact is \$18,912 (\$300+\$612+\$18,000) which will be included as part of the 2019 operating budget process.

Streetlight poles have a useful life of 70 years and therefore there is no impact to the life cycle over the next 25 years. Sidewalks have a useful life of 40 years and therefore there is no impact to the life cycle over the next 25 years. Luminaires have a useful life of 20 years. The life cycle impact is \$3,972 (6 units x unit cost of \$662).

ENVIRONMENTAL CONSIDERATIONS

These new lights will utilize LED lighting. LED's are energy efficient and consume less power than incandescent bulbs.



STAFF AWARD REPORT

Page 1 of 3

To:	Andy Taylor, Chief Administrative Officer
Re:	148-T-17 Supply and Installation of approximately 1,560 sq. ft. specialty granite pavers around the obelisk at Veterans Square – A Canada 150 Project – Change in scope of work
Date:	August 31, 2017
Prepared by:	Linda Irvine, Manager, Parks & Open Space Development, Ext. 2120 Rosemarie Patano, Senior Construction Buyer, Ext. 2990

PURPOSE

To obtain approval to award the contract for the supply and installation of approximately 1,560 sq. ft. specialty granite pavers around the obelisk at Veterans Square – A Canada 150 Project.

RECOMMENDATION

Recommended Supplier(s)	Shelburne Memorials Ltd. (Non-Competitive Procurement)	
Current Budget Available	\$ 254,329.68	081-5350-16275-005 Markham Village Library Square ('Obelisk Component')
Less cost of award	\$ 227,370.20	Cost of Award
	\$ 22,737.02	Contingency (10%)
	\$ 250,107.22	Total Award (Inclusive of HST Impact)
Budget Remaining after this award	\$ 4,222.46	*

*The remaining budget in the amount of \$4,222.46 will be used as budgeted for any additional specialty work that may be required around the obelisk. This project is partially funded from a Canada 150 Community Infrastructure grant. Any remaining funds at the completion of the project will be returned to the original funding source.

Staff further recommends:

That the tendering process for the supply and installation of the specialty granite pavers be waived in accordance with Purchasing By-Law 2004-341, Part II, Section 7 Non-Competitive Procurement, item 1 (g) which states "Where it is in the City's best interest not to solicit a competitive bid."

BACKGROUND

The scope of work under this award is the supply and installation of approximately 1,560 sq. ft. specialty paving around the Obelisk which includes:

- Thirteen (13) Laurentian Pink Maple Leaves
- Fifty Two (52) Espanola Black Granite Surrounds
- Fifty Two (52) Laurentian Pink Banding
- Twelve (12) Large Stanstead Grey Pavers
- Mortared to a reinforced concrete base

The project is anticipated to be substantially completed by March 2018, with the Obelisk structural foundation and the base concrete of the surrounding plaza is anticipated to be completed by the end of September 2017 (to permit curing and install of the Obelisk and specialty pavers starting in mid-October 2017). This design, which includes 13 maple leaves representing Canada's 13 provinces and territories, was vetted through, and approved by, the Canada 150 -Executive Steering Committee.

OPTIONS/DISCUSSIONS

In June 2017, the City awarded contract 148-T-17 for the Supply and Installation of an Obelisk for Veterans Square to the lowest priced bidder, Shelburne Memorials Ltd (“Shelburne”). The contract included:

- Supply, delivery, erection and installation of the new obelisk
- Providing the appropriate foundation and footing design for the obelisk
- Providing on-site inspection and supervision
- Undertaking any coordination required with the General Contractor (under 197-T-17)

In August 2017, the City awarded contract 197-T-17 for the General Contractor to the lowest Priced Bidder, Hawkins Contracting. The contract includes, but is not limited to:

- Coordinating (Overseeing) the installation of the Obelisk by Shelburne (Under 148-T-17)
- Site preparation and grading of site
- Provision of storm and electrical services for the site from adjacent roads or existing services
- Plaza style paving and walkways
- Planting and sodding
- Lighting and electrical service
- Site furnishings
- Concrete walls, paving and walkways.

In this report, Staff are seeking approval to award the contract for the Supply and Installation of approximately 1,560 sq. ft. specialty granite pavers around the Obelisk at Veterans Square to the same contractor who was awarded the Supply and Installation of an Obelisk under contract 148-T-17.

Staff's rationale follows:

- Market Place - There are only a handful of other firms that have specialized expertise to undertake this type of project and meet the restricted project timelines.
- Project Consistency and Synergies: The granite for the specialty pavers will be sourced from the same quarry as the Obelisk, ensuring that the vision, design and material directions for this project are carried forward, and are in-line with the established schedule for completion by March 31, 2018.
- Good Value: Through the previous tender process, Shelburne Memorials Ltd. as low bidder, demonstrated competitive pricing, and the fixed price quote for installation to be completed by Trinity Custom Masonry is good value. Similar with the Obelisk award under contract 148-T-17, the City only received 3 bidders due to the complexity and the type of granite material specified. Under contract 148-T-17, Shelburne was 5% lower than the 2nd priced bidder and 11% lower than the 3rd bidder.
- Project Efficiencies and Coordination: Awarding this Shelburne Memorials Ltd will ensure that we have one primary sub-contractor for all of the granite work instead of two which will result in better coordination and project efficiencies between the subcontractor and the general contractor.

Additionally, it should be noted that awarding the contract to Shelburne eliminates the issue of having three (3) contractors on the site at one time. Staff are working through the logistics of the current two (2)-contractor scenario (Shelburne and Hawkins) and bringing in a third contractor would add additional costs and risks to the project. Such as, additional site access point, staging area and overall authority for health and safety matters. The City does not want to be the constructor of this Project and if we bring in a third contractor the City could be in the position of being the constructor.

OPERATING BUDGET AND LIFE CYCLE IMPACT

The Operations Department has reviewed the project and supports the future maintenance requirements. Future requirements include but are not limited to, a yearly inspection of the structure to check the foundation and joinery for any adjustments necessary. Additionally, the monument should be professionally cleaned about every 5 years to remove the effects of pollution and keep the inscriptions clear. Any repairs required to the joints over time will be carried out by a professional monument builder.

OPERATING BUDGET AND LIFE CYCLE IMPACT (Continued)

The annual operating and maintenance impact is approximately \$1,500.00 to allow for inspection, reporting and necessary adjustments. This operating increase will be included in the 2018 Operating budget.

The Life cycle impact for the replacement and installation of the specialty granite pavers is \$56,842.55 over the next 25 years. The Life cycle impact of the specialty granite pavers is estimated to be 25% of the total supply and installation of the specialty pavers which allows for dismantling, new foundation and re-assembly, as necessary.

ENVIRONMENTAL CONSIDERATIONS

Granite is a sustainable natural material which has an undetermined life cycle. Based on similar examples throughout Canada, this obelisk and surrounding specialty paving area will last indefinitely.