



Report to: General Committee

Report Date: June 2, 2017

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

RECOMMENDATION:

1. THAT the report entitled “Staff Awarded Contracts for the Month of May 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 May 2017 as per Purchasing By-law 2004-341.

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 bidder
- 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 bidder and the City at the time of award
- There are no bidder 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	<ul style="list-style-type: none">• 005-T-17 Supply and Delivery of Two (2) 12” Chippers• 009-T-17 Open and Close Citywide Irrigation Systems, Splash Pads and Washrooms• 030-T-17 Supply and Delivery of Manholes, Catch-basins and Tactile Warning Plates• 051-T-17 Emergency Power Back Up Generator• 057-T-17 Replacement of Ten (10) CSP Culverts at Various Locations• 096-T-17 Installation and Removal of Various Signs• 130-Q-17 Supply and Delivery of 55 Indoor Three-Stream Waste Containers for the Aaniin Community Centre and Library• 131-Q-17 Supply, Delivery, Installation, and Warranty of 150 trees for Canada 150 celebrations• 150-T-17 Court Resurfacing and Reconstruction
Non-Competitive Supplier	<ul style="list-style-type: none">• 132-S-17 Cardio Fitness Equipment for Aaniin Community Centre• 161-S-17 TRCA 50/50 Community Project Partnership Program
Sole Bidder	<ul style="list-style-type: none">• 145-T-17 Hired Gradall on an as Required Basis

Development Services

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none">• 212-T-16 Greensborough Williamson Neighbourhood Park – Construction• 071-T-17 Berkshire Parkette – Construction• 123-T-17 Flato Markham Theatre – Rehearsal Hall and Stage Floor Replacement• 148-T-17 Supply and Installation of an Obelisk for Veterans Square, Markham Village – A Canada 150 Project• 165-T-17 Main Street Markham Paver Restoration
Highest Ranked/ Lowest Priced Supplier	<ul style="list-style-type: none">• 112-Q-17 Milliken Centre Secondary Plan Transportation Study Peer Review
Highest Ranked / Second Lowest Priced Supplier	<ul style="list-style-type: none">• 070-R-17 Consulting Engineering Services for the 2017 Illumination Program

X

Joel Lustig
Treasurer

X

Trinela Cane
Commissioner, Corporate Services

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To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	005-T-17 Supply and Delivery of Two (2) 12" Chippers
Date:	June 12, 2017
Prepared by:	Laurie Canning, Manager, Fleet & Supplies, Ext. 4896 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE

To obtain approval to award the contract for the supply and delivery of Two (2) 12 inch brush chippers for the City's Parks Department.

RECOMMENDATION

Recommended Supplier	Cardinal Distribution Inc. (Lowest Priced Supplier)	
Current Budget Available	\$94,229.76	057-6150-17164-005 Corporate Fleet Replacement
Less cost of award	\$94,148.35	Award Inclusive of HST
Budget Remaining after this award	\$ 81.41	*

* The remaining funds of \$81.41 will be returned to the original funding source.

BACKGROUND

This tender was issued in accordance with the Purchasing By-law for the total of two (2) 12 inch brush chippers which are identified in the 2017 Corporate Fleet Replacement Program. The chippers are used in the Parks Department for tree work requirements throughout the year.

All units identified for replacement in this report have had condition assessments completed by Fleet staff and met the fleet replacement life cycle of 8 years as identified in the Corporate Fleet Policy for this unit type/class.

The replaced chippers (Units # 3916 and 3487) will be sold upon delivery of the new units in accordance with Purchasing By-law 2004-341, PART V Disposal of Personal Property and proceeds will be posted to account 890 890 9305 proceeds from the Sale of Other Fixed Assets.

BID INFORMATION

Advertised	ETN
Bid closed on	May 4, 2017
Number picking up document	8
Number responding to bid	4*

*One bid submission was disqualified for not meeting the required specifications. The suppliers chippers did not include the winch requirement as per the bids specification. The winch is required to automatically lift heavy logs (up to 2,000 lbs) to the feed table improving chipping functions and operator safety.

PRICE SUMMARY (Inclusive of HST)

Suppliers	Bid Price
Cardinal Distribution Inc.	\$ 98,540.31
Fyfe Allan Equipment Ltd.	\$101,475.07
Nortrax Canada Inc.	\$107,017.93

Note: Cardinal Distribution Inc. original bid price for this contract was \$98,540.31 which is higher than the budget allocation of \$94,229.76. 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 with Cardinal Distribution Inc. to reduce the price, in order to meet the City's approved budget. Staff were able to reduce the price by \$4,391.96 from \$98,540.31 to \$94,148.35.

OPERATING BUDGET AND LIFECYCLE IMPACT

There is no impact to the operating budget.

The pricing of this award will be reflected in the 2018 Lifecycle update for the 2 units that were replaced.

ENVIRONMENTAL CONSIDERATIONS

N/A



STAFF AWARD REPORT

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To:	Andy Taylor, Chief Administrative Officer
Re:	009-T-17 Open and Close Citywide Irrigation Systems, Splash Pads and Washrooms
Date:	June 12, 2017
Prepared by:	Scott Grieve, Parks Supervisor, Ext. 2486 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE

To obtain approval to award the contract to open and close citywide irrigation systems, splash pads and washrooms for one (1) year, with an option to renew for an additional two (2) years at the same itemized pricing.

RECOMMENDATION

Recommended Supplier	Enviro turf Incorporated (Lowest Priced Supplier)	
Current Budget	\$ 123,300.00	Various Accounts (see Financial Considerations)
Less cost of award	\$ 123,247.64	2017 Spring start up & Winterization (inclusive of HST)*
	\$ 148,213.44	2018 Spring start up & Winterization (inclusive of HST)**
	\$ 148,213.44	2019 Spring start up & Winterization (inclusive of HST)**
	\$ 24,965.80	2020 Spring start up (inclusive of HST) **
	\$ 444,640.32	Total Award inclusive of HST
Budget Remaining after this award	\$ 52.36	

* The award amount in 2017 excludes the cost of the 2017 spring start up (\$25,000) for irrigation systems (only) as this was carried out by the supplier who closed the irrigation system in the Fall of 2016. The previous contract stated that the same contractor who closed the irrigation system was to open up the irrigation system in case of any problems encountered during opening due to closing.

** Subject to Council approval of the 2018/2019/2020 operating budgets. Additionally, purchase orders for 2018 – 2020 will be adjusted to allow for growth.

BACKGROUND

The scope of work of the contract includes the following:

1. Irrigation systems (Quantity – 88)

Open and close all irrigated sports fields and parks city wide (including program controllers and timers) in parks and facilities. The water is to be removed from all pipes, valves and sprinkler heads using compressed air.

2. Splash pads (Quantity – 26)

Open and close all splash pads city-wide (including program controllers and timers) in parks and facilities. The work includes removing all nozzles and capping them shut; turning off the auto-fill to the holding tank; blowing out the lines; and powering down electronic equipment.

3. Washrooms (Quantity –12)

Open and close all washrooms in parks citywide (located in parks). The main water shut-off valve at the curb is to be shut-off then the main interior shut-off valve is to be turned off. Drain the system and blow out all plumbing pipes. Pressure test the system. Add antifreeze to plumbing drains.

For the above noted requirements, the supplier will provide all labour, material and equipment required.

BID INFORMATION

Advertised	ETN
Bid closed on	May 4, 2017
Number picking up document	8
Number responding to bid	4

PRICE SUMMARY (Including HST)

Suppliers	Bid Price* (a)	Estimate Material** (b)	Material Mark-up (c)	Total (b)x(c)=d	Total Award a+d
Enviroturf Inc.	\$ 106,237.44	\$ 38,160.00	10%	\$ 41,976.00	\$ 148,213.44
Metro Lawn Sprinklers Div. Bradmar Contracting Inc.	\$ 116,934.45	\$ 38,160.00	3%	\$ 39,304.80	\$ 156,239.25
Angus Inground Sprinkler Co.	\$ 112,648.32	\$ 38,160.00	20%	\$ 45,792.00	\$ 158,440.32
D J Rain	\$ 257,063.57	\$ 38,160.00	7%	\$ 40,831.20	\$ 297,894.77

* The bid price consists of 1,400 hours for the irrigation system, 350 hours for the splash pads, 50 hours for the washroom work at a rate of \$59.02/hour .

Note: The City previously contracted the work out under two (2) tenders; however, to streamline the management of the contracts, improved efficiencies, and potential cost savings, the City issued one tender for this work. Compared to the previous two (2) contracts, the hourly rates under this contract are 15.65% lower. This cost saving will offset the cost of the materials and the open and closing of washrooms, which was previously carried out by contractors on an as required basis.

**The estimated annual usage for materials of \$38,160 is based on 2016 actuals.

FINANCIAL CONSIDERATIONS

Account Name	Account #	Budget Available	Amount to Allocate to this project	Cost of award	Budget Remaining
Sportsfield Maintenance	730-7325415	\$ 372,044.61	\$ 91,705.93	\$ 91,817.25	\$ (111.32)
Playground Maintenance - Contracted Services	730-7395399	\$ 110,326.90	\$ 27,436.95	\$ 28,156.23	\$ (719.28)
Facility Maintenance	730-7435414	\$ 132,450.89	\$ 4,157.11	\$ 3,274.15	\$ 882.96
Sub-total		\$ 614,822.40	\$ 123,300.00	\$ 123,247.64	\$ 52.36

OPERATING BUDGET AND LIFECYCLE IMPACT

The favourable variance of \$52.36 will be included as part of the 2017 year end results of operations. There is no impact to the Lifecycle Replacement and Capital Reserve Fund.

ENVIRONMENTAL CONSIDERATION

N/A



STAFF AWARD REPORT

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	030-T-17 Supply and Delivery of Manholes, Catch-basins and Tactile Warning Plates
Date:	April 25, 2017
Prepared by:	Mike Brady, Supervisor, Contract Administration, ext 2316 Patti Malone, Senior Buyer, ext. 2239

PURPOSE

To obtain approval to award the contract for the supply and delivery of manholes, catch-basins and tactile warning plates for one year with an option to renew for two additional years at the same itemized pricing.

RECOMMENDATION

Recommended Supplier (s)	Cedar Infrastructure Properties Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 77,729.00	a/c # 050-6150-17317-005
Less cost of award	\$ 61,779.51	2017 Inclusive of HST (Year 1)
	\$ 61,779.51	2018 Inclusive of HST* (Year 2)
	\$ 61,779.51	2019 Inclusive of HST* (Year 3)
	\$ 185,338.53	Total award Inclusive of HST
Budget Remaining after this award	\$ 15,949.49	* *

* Subject to Council approval of the 2018 & 2019 capital budgets.

**The remaining balance of \$15,949.49 will be used to fund other components of the overall Roads Rehabilitation Program, mainly concrete repairs.

BACKGROUND

The steel catch-basin, manhole frames and grates supplied under this contract will be used in roadways under the rehabilitation program. During the course of construction, deficient frames and grates are identified and replaced with new steel. The quantities of steel required have been estimated based on the number of units replaced during previous construction seasons.

BID INFORMATION

Advertised	ETN
Bids closed on	April 25, 2017
Number picking up bid documents	7
Number responding to bid	5

PRICING SUMMARY (Inclusive of HST)

Suppliers	Price (Bid Opening Price)	Bid Price Revised*
Cedar Infrastructure Properties Inc.	\$39,361.79	\$61,779.51
Lecol Inc.	\$43,199.95	\$67,333.60
Emco Corporation	\$43,210.35	\$65,857.04
Kinesik Engineered Products Inc.	\$44,544.67	\$68,967.08
Wamco	\$45,201.79	\$69,293.47

* The quantities have been increased on two of the eighteen items required under this contract. Staff recommend awarding the contract with these increased quantities.

Note: Compared with the 2014-2016 contractual pricing, the new contract (2017 – 2019) represents a 13% decrease in pricing.

OPERATING BUDGET AND LIFECYCLE IMPACT

There is no impact to the operating budget.

The favourable pricing of this award will be reflected in the 2018 Lifecycle update.

ENVIRONMENTAL CONSIDERATIONS

N/A

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

To:	Trinela Cane, Commissioner, Corporate Services
Re:	051-T-17 Emergency Power Back Up Generator
Date:	May 17, 2017
Prepared by:	Steve Walo, Project Manager, ext. 2567 Flora Chan, Senior Buyer, ext. 3189

PURPOSE

To obtain approval to award the contract for the supply and installation of a 250 kW, 120/208V Natural Gas Standby Generator with all associated components at the City's Works Yard located at 555 Miller Avenue.

RECOMMENDATION

Recommended Supplier (s)	City Electric Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 332,000.00	056-5350-17193-005
Less: Cost of award	\$ 293,577.60	Award amount *
	\$ 29,357.76	Contingency (10%)
	\$ 322,935.36	Total award
Budget Remaining after this award	\$ 9,064.64	**

*The award amount includes \$20,352.00 as a cash allowance for Enbridge Gas to install a pressure reducing station. The final amount will be approved by City Staff after final quote from Enbridge Gas.

** The remaining balance in the amount of \$9,064.64 will be returned to the original funding source.

BACKGROUND

This project is to provide permanent emergency back-up power to the Works Yard at 555 Miller Ave. The Works Yard at 555 Miller Ave has a refueling station that requires power to fuel vehicles. Without back-up power the refueling facility and the shop cannot service effectively during an emergency power outage. The need for a back-up power generation system was recognized during the ice storm in 2013. During the ice storm staff struggled to keep emergency vehicles fueled and to respond to calls due to the lack of back power at the Works Yard.

The City will install a 250 kW, 120/208V Natural Gas Standby Generator Natural gas line and Enbridge regulator and metering station. The Natural Gas Generator can be relocated to another location in the future if required.

The Work is scheduled to commence in July (for gas line installation) and October (for all other work) and be completed by December 31, 2017

BID INFORMATION

Advertised	ETN
Bids closed on	May 11, 2017
Number picking up bid documents	7
Number responding to bid	6

PRICE SUMMARY

<u>Suppliers</u>	<u>Bid Price</u>
City Electric Inc.	\$ 293,577.60
Ferguson Electric Company Ltd.	\$ 302,227.20
MJK Construction	\$ 359,086.62
CEC Services Limited (Aurora)	\$ 361,248.00
W.S. Nicholls Construction Inc.	\$ 376,028.23
Alltrade Industrial Contractors Inc.	\$ 394,350.53

OPERATING BUDGET AND LIFECYCLE IMPACT

The anticipated life cycle for a regularly maintained natural gas powered generator is 30+ years. The replacement cost for the generator is approximately \$125,000-\$150,000 and the transfer switch is approximately \$5,000-\$10,000. The estimated costs are in 2017 dollars and are subject to increase over time.

The generator is only utilized during power failures; therefore, the natural gas consumption is minimal during non-emergency conditions.

Annual operating costs are approximately \$1,300 for annual and semi-annual inspection and routine maintenance. The estimated costs are in 2017 dollars and are subject to change over time. Typically no repairs are required for the first 5 years.

A preliminary analysis and report on the feasibility of enrolling the generator in the Demand Response Programs will be completed. The Demand Response Program may generate additional revenue but is pending analysis.

ENVIRONMENTAL CONSIDERATIONS

The City has chosen a natural gas powered generator over liquid diesel powered generator as natural gas has less emissions in the exhaust. Natural gas does not require any on-site storage and will presumably never run empty.



STAFF AWARD REPORT

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To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	057-T-17 Replacement of Ten (10) CSP Culverts at Various Locations
Date:	May 3, 2017
Prepared by:	Philip Zhang, Engineering Design Assistant, Ext. 2477 Flora Chan, Senior Construction Buyer, Ext. 3189

PURPOSE

To obtain approval to award the contract for the replacement of the following ten (10) Corrugated Steel Pipe (CSP) culverts:

1. C125 – Located at Richard Person Dr., south of Sylvia Crt.
2. C141 – Located at Carolwood Cres., south of Palatin Crt.
3. C142 – Located at Carolwood Cres., north of Palatin Crt.
4. C164 – Located at Old 17th Ave., east of Castle Crt.
5. C172 – Located at Glenridge Dr., east of Glenbourne Park Dr.
6. C187 – Located at Duckett Ave., east of 9th Line
7. C190 – Located at 9th Line, south of Starmount Ave.
8. C206 – Located at 19th Ave., east of Dickson Hill Rd.
9. C207 – Located at Mill Race Crt., south of 19th Ave.
10. C216 – Located at Elgin Mills Rd., east of Warden Ave.

RECOMMENDATION

Recommended Supplier	Municipal Maintenance Inc. (Lowest Priced Supplier)	
Budget Available for items	\$ 402,000.00	058-6150- 17203-005 Culverts Replacement
Less cost of award	\$ 91,984.43	Cost of Award (Incl. of HST)
	\$ 9,198.44	Contingency (10%)
	\$ 101,182.87	Total Award Inclusive of HST
Budget Remaining after this award	\$ 300,817.13	*

*The remaining budget of \$300,817.13 will be returned to the original funding source.

The favourable variance can be attributed to the following:

1. The original budget included 14 culverts, however, during design preparation staff removed 4 culverts (C139, C140 C179 & C201) from the scope of work – budgeted for \$133,200; as these 4 culverts were not in need of replacement at this time.
2. The City received competitive and favourable pricing from the low bidder.

BACKGROUND

In order to meet the legislative requirements of the Public Transportation and Highway Act - Regulation 104/97, the City implements an annual structures inspection program to identify the maintenance and rehabilitation needs to protect and prolong the life of the structures. Since 2004, the City has been undertaking regular inspection of the structures.

A 2014/15 inspection indicated that 10 CSP culverts (C125, C141, C142, C164, C172, C187, C190, C206, C207 & C216) need to be replaced to ensure public safety.

The replacement of the ten (10) CSP culverts will be scheduled from June 1st to June 30th, 2017.

BID INFORMATION

Advertised	ETN
Bid closed on	April 12, 2017
Number picking up document	19
Number responding to bid	8

PRICE SUMMARY (Inclusive of HST Impact)

Suppliers	Bid Price
Municipal Maintenance Inc.	\$ 91,984.43
Wyndale Paving Co. Ltd.	\$ 144,424.41
Euro Landscape Construction & Grounds Inc.	\$ 178,736.26
Todd Brothers Contracting Limited	\$ 195,744.87
The Cannington Group	\$ 216,320.39
Laycon Construction Services Inc.	\$ 250,457.83
Hawkins Contracting Services Limited	\$ 308,412.17
R&M Construction	\$ 350,683.29

Staff met with Municipal Maintenance Inc. prior to award and confirmed they understood the scope of the work and approve of their methodologies.

FINANCIAL CONSIDERATIONS

Account Name	Account No.	Budget Amount	Spent to Date	Committed	Budget Available for this award	This Award	Contingency (10%)	Budget Remaining
057-T-17 Replacement of Ten (10) CSP Culverts at Various Locations	058-6150-17203-005	\$427,000	\$0	\$0	\$402,000	\$91,984.43	\$9,198.44	\$300,817.13

*The remaining budget of \$300,817.13 will be returned to the original funding source.

ENVIRONMENTAL CONSIDERATIONS

Not applicable.

OPERATING BUDGET AND LIFECYCLE IMPACT

The 2017 lifecycle reserve study includes \$464,541 for the ten (10) culverts in the next 25 years until 2042. There is no operating budget impact.

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

To:	Morgan Jones, Director, Operations
Re:	096-T-17 Installation and Removal of Various Signs
Date:	April 25, 2017
Prepared by:	Patti Malone, Senior Buyer, ext. 2239 Mike Brady, Supervisor, Contract Administration, ext. 2316

PURPOSE

This award is to obtain approval to award the contract for the installation and removal of various signs for a one (1) year period, with an option to renew for an additional two (2) years at the same pricing.

RECOMMENDATION

Recommended Supplier	Kasey Installation & Construction (Lowest Priced Supplier)	
Current Budget Available	\$ 23,500.00	Various (See Financial Considerations)
Less cost of award	\$ 17,960.64	Inclusive of HST impact for 2017
	\$ 17,960.64	Inclusive of HST impact for 2018*
	\$ 17,960.64	Inclusive of HST impact for 2019*
	\$ 53,881.92	Total Award
Budget Remaining after this award	\$ 5,539.36	**

* Staff be authorized to amend the award amount in 2018/19 to reflect changes to the annual operating budget subject to Council approval.

** The remaining balance in the amount of \$5,539.36 will be returned to the original funding source. The surplus amount may change, depending on actual quantities of items used during the contract.

Note: The tender document included various items and estimated quantities which may or may not be used dependent on requirements throughout the year. For the purpose of this award, the quantities/estimates are aligned with the approved budget.

BACKGROUND

The City released a bid to the market for the installation of various signs throughout the City of Markham. This includes the removal and replacement of existing signs, and the installation of new signs including club signs at various locations throughout the City, and in accordance with provincial sign installation specifications.

BID INFORMATION

Advertised	ETN
Bids closed on	April 25, 2017
Number picking up bid documents	13
Number responding to bid	11

PRICE SUMMARY (Inclusive of HST)

Suppliers	Bid Price
Kasey Installation & Construction	\$17,960.64
KPD Signs Inc.	\$32,519.96
CSL Group Ltd	\$44,112.96
Stinson Equipment	\$62,887.68
Direct Traffic Management Inc	\$71,801.86

PRICE SUMMARY (Inclusive of HST - Continued)

Suppliers	Bid Price
Imperial Fence	\$73,623.36
Grand Mac Construction	\$87,595.01
Maximum Signs	\$94,687.68
Almon Equipment. Ltd.	\$96,112.32
Provincial Sign Systems	\$119,307.70
Dig-Con International Limited	\$228,502.08

PRICE SUMMARY (Continued)

Compared to the previous 2014-16 contract, this contract represents a 5.48% increase; however, this can be attributed to an increase in material cost for U-Channels, wood poles/U-flange posts and labour costs for removal and installation. Additionally, the contractual pricing is firm for 3 years with no increase.

FINANCIAL CONSIDERATIONS

Account Name	Account #	Budget Amount	Amount to Allocate to this project	Cost of the Award	Budget Remaining
Safety Devices -Contracted Services	700-505-5399	123,787	12,000	12,000	-
Traffic Operation Improvements	083-5350-17162-005	30,500	11,500	5,961	5,539
Total		154,287	23,500	17,961	5,539

The remaining balance in the amount of \$5,539.36 will be returned to the original funding source. The surplus amount may change, depending on actual quantities of items used during the contract

OPERATING BUDGET AND LIFECYCLE IMPACT

There is no impact to the Operating Budget.

There is no impact to the LifeCycle Replacement and Capital Reserve Fund.

ENVIRONMENTAL CONSIDERATIONS

N/A



STAFF AWARD REPORT

To:	Phoebe Fu, Director, Environmental Services
Re:	130-Q-17 Supply and Delivery of 55 Indoor Three-Stream Waste Containers for the Aaniin Community Centre and Library
Date:	May 9, 2017
Prepared by:	Michael DiPasquale, Diversion Programs Technician, Ext 2493 Tony Casale, Senior Construction Buyer. Ext 3190

PURPOSE

To obtain approval to award the contract for the supply and delivery of 55 Indoor Three-Stream Waste Containers for the Aaniin Community Centre and Library.

RECOMMENDATION

Recommended Supplier (s)	Canaan Site Furnishings (Lowest Priced Supplier)	
Current Budget Available	\$ 70,000.00	070-5350-13893-005 SECC&L Solid Waste Mgmt
Less cost of award	\$ 67,441.44	(Incl. of HST)
Budget Remaining after this award	\$ 2,558.56	*

*The remaining budget will be used for other waste requirements at the Aaniin Community Centre and Library as budgeted for in this account. Any remaining budget upon completion of the Aaniin Community Centre and Library will be returned to the original funding source.

BACKGROUND

The City solicited Bids for the supply and delivery of 55 new indoor three-stream waste containers for the Aaniin Community Centre and Library located at the southeast corner of 14th Avenue and Middlefield Road in the City of Markham.

BID INFORMATION

Advertised	ETN
Bids closed on	April 26, 2017
Number picking up bid documents	5
Number responding to bid	3

PRICE SUMMARY

Suppliers	Bid Price (Incl. of HST)
Canaan Site Furnishings	\$ 67,441.44
Clean River Recycling Solutions	\$ 69,932.02
Classic Displays	\$ 71,359.20

It is anticipated that the waste containers will be delivered by September 30, 2017.

OPERATING BUDGET AND LIFECYCLE IMPACT

The expected lifecycle for the waste containers is 25 years. The lifecycle impact will be \$67,441 over the next 25 years.

ENVIRONMENTAL CONSIDERATIONS

The primary building material for the waste containers contains 90% recycled content.



STAFF AWARD REPORT

To:	Morgan Jones, Director, Operations
Re:	131-Q-17 Supply, Delivery, Installation, and Warranty of 150 trees for Canada 150 celebrations
Date:	June 12, 2017
Prepared by:	Nory Takata, Parks Planner Ext. 3226 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE

To obtain approval to award the contract for supply, delivery, installation, and warranty of 150 trees in 150 different park locations as part of the Canada 150 celebrations.

RECOMMENDATION

Recommended Suppliers	Lomco Limited (Lowest Priced Supplier)	
Budget available for this award	\$ 66,000.00	700-101-5399-17154 Markham Trees for Tomorrow
Cost of award	\$ 59,987.52	Award amount (Inclusive of HST)
	\$ 5,987.00	Contingency (10%)
	\$ 65,974.52	Total Award (inclusive of HST)
Budget Remaining after this award	\$ 25.48	*

* The remaining funds of \$25.48 will be returned to the original funding source.

BACKGROUND

As part of the Canada 150 celebrations, the City solicited Bids for the supply, delivery, installation, and warranty of 150 trees in 150 different park locations.

All trees will be installed, mulched, and watered before June 24, 2017. All caliper trees for this Contract shall have been grown for a minimum period of two (2) growing seasons at a nursery located within Canadian Plant Hardiness Zones 4a, 4b, and 5a (within 250kms of the City of Markham).

BID INFORMATION

Advertised	ETN
Bid closed on	May 4 th , 2017
Number of suppliers picking up the document	12
Number of suppliers responding to bid	6

PRICE SUMMARY (Inclusive of HST)

Suppliers	Price
Lomco Limited	\$ 59,987.52
Euro Landscape Construction & Grounds Inc.	\$ 60,292.80
CSL Group Ltd	\$ 60,827.04
Canadian Greenscapes Inc.	\$ 66,398.40
Royal Oak Tree Services Inc.	\$ 90,057.60
Garden Grove Landscaping	\$145,618.56
Markham Property Services ltd.	\$170,956.80

OPERATING BUDGET AND LIFECYCLE IMPACT

The remaining funds of \$25.48 will be returned to the original funding source. There is no impact to the LifeCycle Replacement and Capital Reserve Fund

ENVIRONMENTAL CONSIDERATIONS

The planting of trees create an ecosystem to provide habitat and food for birds and other animals. Trees absorb carbon dioxide and potentially harmful gasses, such as sulfur dioxide, carbon monoxide, from the air and release oxygen.



STAFF AWARD REPORT

Page 1 of 3

To:	Brenda Librecz, Commissioner Community & Fire Services
Re:	150-T-17 Court Resurfacing and Reconstruction
Date:	May 19, 2017
Prepared by:	James Bingham, Supervisor, Parks, ext. 7997 Patti Malone, Senior Buyer, ext. 2239

PURPOSE

To obtain approval to award the contract to resurface/rebuild the following tennis courts:

Resurface

Carlton (Unionville Tennis Club) – Courts # 8 & 9 (Qty 2)

Grandview – Courts # 1 & 2 (Qty 2)

Highgate – Courts # 1, 2 & 3 (Qty 3)

Willow Heights – Courts # 1 & 2 (Qty 2)

Rebuild

Wismer – Courts # 1 & 2 (Qty 2)

Berczy – Courts # 1 & 2 (Qty 2)

RECOMMENDATION

Recommended Supplier	Court Contractors Ltd. (Lowest Priced Supplier)	
Original Budget and Account #	\$ 399,400.00	059-6150-16163-005 Court Resurfacing/Reconstruction
Current Budget Available	\$ 353,200.00	*
Less cost of award	\$ 226,416.00	Cost of Award
	\$ 22,641.60	Contingency (10%)
	\$ 249,057.60	Total Award Inclusive of HST
Budget Remaining after this award	\$ 104,142.40	Total **

* Budget available has been reduced by \$37,200 due to the deferral of resurfacing of courts #3 & #4 at German Mills Tennis Club.

** The remaining funds of \$104,142.40 will be returned to the original funding source

BACKGROUND

The City's public and club tennis courts are rebuilt using a penetration lift process which is considered to be a softer court that is preferred by players. This process entails a base with a sprayed liquid asphalt that is set in multiple layers. The liquid asphalt is mixed onsite by the contractor to ensure higher quality control, ensure that no recycled material is used and that the liquid is free from particles which may rust and potentially discolour the surface. A pavement layer of fiberglass is then applied which acts as a water barrier and prevents cracks, and is considered to be more flexible without heaving. The top layer is an acrylic epoxy colour system manufactured by California Products, as used in international tournaments.

OPTIONS / DISCUSSIONS

An alternative to this process (which would yield more bidders) is referred to as hotmix asphalt which is a middle layer of asphalt and is applied with a mechanical spreader. The cost is comparable, however without the fiberglass layer it will crack sooner. Cracking is the most common and most damaging problem with asphalt tennis courts as they greatly affect play and can become safety hazards.

BID INFORMATION

Advertised	ETN
Bids closed on	May 5, 2017
Number picking up bid documents	12
Number responding to bid	2*

*Purchasing contacted bidders who picked up the document, however did not submit a bid. The following are the responses; five bid takers do not work with penetration asphalt and the other bidders indicated they were not interested.

The materials can be used by any contractors, but due to the limited market for this product, the time required to apply it and challenges with the untidy application of the product, there is a limited supply base in the Markham area. The alternative material for this application is hot mix asphalt, poured in place rubber and plexipave (fiberglass overlays) which is not a preferred option by the City.

PRICE SUMMARY (Inclusive of HST)

Suppliers	Bid Price	Award Amount*
Court Contractors Ltd.	\$250,838.40	\$226,416.00
Court Surface Specialists Ltd.	\$255,765.62	\$235,718.90

*The recommended award amount of \$226,416.00 excludes German Mills court resurfacing as this location is being removed from the award (Bid price) since it's being deferred until 2018.

FINANCIAL CONSIDERATIONS**Table 1 - Tennis Clubs**

Court location	Budget Allocated for this Award	Cost of award	10% Contingency	Budget Remaining
Carlton Park- #8 & #9 (resurfacing)	\$ 37,200.00	\$ 22,387.20	\$ 2,238.72	\$ 12,574.08
Highgate - #1, #2 & #3 (resurfacing)	\$ 55,800.00	\$ 22,896.00	\$ 2,289.60	\$ 30,614.40
Total	\$ 93,000.00	\$ 45,283.20	\$ 4,528.32	\$ 43,188.48

Table 2 - Public Courts

Court location	Budget Allocated for this Award	Cost of award	10% Contingency	Budget Remaining
Berczy Park - #1 & #2 (reconstruction)	\$ 92,900.00	\$ 67,161.60	\$ 6,716.16	\$ 19,022.24
Grandview Tennis - #1 & #2 (resurfacing)	\$ 37,200.00	\$ 22,387.20	\$ 2,238.72	\$ 12,574.08
Willowheights - #1 & #2 (resurfacing)	\$ 37,200.00	\$ 22,387.20	\$ 2,238.72	\$ 12,574.08
Wismer #1 & #2 (reconstruction)	\$ 92,900.00	\$ 69,196.80	\$ 6,919.68	\$ 16,783.52
Total	\$ 260,200.00	\$ 181,132.80	\$ 18,113.28	\$ 60,953.92

Table 3 - Total Award

Court location	Budget Allocated for this Award	Cost of award	10% Contingency	Budget Remaining
Tennis Clubs	\$ 93,000.00	\$ 45,283.20	\$ 4,528.32	\$ 43,188.48
Public Courts	\$ 260,200.00	\$ 181,132.80	\$ 18,113.28	\$ 60,953.92
Total	\$ 353,200.00	\$ 226,416.00	\$ 22,641.60	\$104,142.40

Excluded in the tables above is the budget and cost of award for court resurfacing at German Mills Tennis Club. Work on this location has been deferred to 2018.

OPERATING BUDGET AND LIFECYCLE IMPACT

The remaining funds of \$104,142.40 will be returned to the original funding source.

The 2018 lifecycle update will be adjusted accordingly to reflect the favourable pricing of this award for the locations detailed above.

ENVIRONMENTAL CONSIDERATIONS

The penetration lift process is environmentally friendlier than hotmix asphalt. All the material is reconstructed on site therefore eliminating any need to dispose of material. Liquid asphalt is also applied at a lower temperature reducing energy costs to heat material. There is a reduction in large trucking and machinery requirements and the overall footprint is lower carbon.



STAFF AWARD REPORT

Page 1 of 4

To:	Andy Taylor, Chief Administrative Officer
Re:	132-S-17 Cardio Fitness Equipment for Aaniin Community Centre
Date:	May 8, 2017
Prepared by:	Shawn Hermans, Community Program Coordinator, Ext. 2833 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE

To obtain approval to award the purchase of Cardio fitness equipment for Aaniin Community Centre.

RECOMMENDATION

Recommended Supplier(s)	Advantage Fitness (Non Competitive Procurement – Life Fitness Equipment) VO2 Fitness (Non Competitive Procurement – Precor Equipment) Technogym Fitness (Non Competitive Procurement – Technogym Fitness Equipment)	
Current Budget Available	\$ 169,630.00	70-5350-13888-005 Aaniin CC&L FFE – Recreation
Less Cost of award	\$ 40,875.89 \$ 113,139.82 \$ 6,625.04 \$ 160,640.75	Award to Advantage Fitness (inclusive of HST impact) Award to Vo2 Fitness (inclusive of HST impact) Award to Technogym Fitness (inclusive of HST impact) Total Award
Budget Remaining after this award	\$ 8,989.25	*

* The remaining balance of \$8,989.25 in account 70-5350-13888-005 will be applied to other FFE requirements as budgeted for within this respective account.

Staff further recommends:

THAT the tendering process be waived in accordance with Purchasing By-Law 2004-341, Part II, Section 7 Non Competitive Procurement, item 1 (e) where the City is acquiring specialized equipment, in which case the sources of supply may be identified based on technical specifications prepared by the User Department staff.

BACKGROUND

This recommended award is for the supply and delivery of Life Fitness, Technogym and Precor cardio fitness equipment for the Aaniin Community Centre. Life Fitness, Technogym and Precor products are well known in the industry and currently exist in City of Markham fitness facilities. Their products are durable, user friendly, and are leaders in providing quality products. Particular attention was paid to the social media capabilities, user friendly features and durability. With the purchase of this equipment, the City is maintaining the variety of the models that are part of the City's current cardio training line and will compliment the proposed strength training equipment.

The recommended health and wellness cardio equipment is as follows:

ADVANTAGE FITNESS

Item No.	Quantity	Manufacture	Description	Model
1	2	Life Fitness	Treadmill	95T Discover SE3 Treadmill WIFI (19" Console)
2	1	Life Fitness	Powermill (Step Machine)	<u>Elevation</u> Series Powermill

TECHNOGYM

Item No.	Quantity	Manufacture	Description	Model
1	1	Technogym	Excite Top 1000	DE783UTAN00RA00U
2	1	Technogym	Excite Top 1000 Seat	TRADITIONAL SEAT TOP EXC

VO2 FITNESS

Item No.	Quantity	Manufacturer	Description	Model
1	3	Precor	Treadmill	Precor TRM885 w/P82 touchscreen console
2	3	Precor	Elliptical Trainers	<u>Precor EFX885 X-trainer Converging foot ramp P82 w/ 15" Touchscreen/TV</u>
3	2	Precor	AMT - Adaptive Motion Trainers	<u>Precor AMT885 w/P82 touchscreen console</u>
5	2	Precor	Recumbent Bike	Precor RBK885 w/P82 touchscreen console
6	3	Precor	Upright Bike	Precor UBK885 w/P82 touchscreen console

OPTIONS/DISCUSSIONS

There are only four (4) major suppliers of cardio and strength training equipment and in January 2017, staff invited the four (4) suppliers to provide one (1) hour presentations on both their cardio and strength training lines:

1. Advantage Fitness, 2. Vo2 Fitness, 3. Technogym and 4. Matrix. Each supplier had an opportunity to share their equipment lines including their respective Green initiatives, user friendly features and connectivity. From these meetings it was determined if further research was warranted. These presentations combined with subsequent facility tours at University of Guelph, Town of Newmarket, Town of Ajax and current City of Markham facilities allowed staff to evaluate the products being considered for the Aaniin Community Centre.

Matrix Fitness – Of the four (4) suppliers, only the Matrix line of equipment is not being recommended. Matrix Fitness is new to Canada with offices in Mississauga, Ontario. Though there is inherent appeal of a vendor that is in close proximity to maintain failed units, a tour of Matrix equipment at the University of Guelph did not impress staff. The product showed wear and tear found on equipment with less than one (1) year in operation. This along with an unproven track record in Canada made the investment in Matrix equipment unappealing.

The decision to invest in a mix of Technogym, Life Fitness and Precor cardio equipment is being put forth for the following rationale.

RATIONALE**Advantage Fitness – Sole Supplier for Life Fitness Products**

Advantage Fitness has provided Life Fitness products to the City of Markham for over eleven (11) years, with a high success rate in durability, ease of use, facility design and attention to detail. The Life Fitness product is inviting, safe, and easy to manage.

The key product features for Life products, include:

- USB connectivity for clients and trainers to store and design programs for clients that can then be plugged into the computer console on a PC or the treadmill unit.
- Ipod compatibility allows users to seamlessly integrate their music/video selection and watch them on the LCD screen.
- Zoom feature allows for our visually impaired users to enlarge the viewing screen for larger workout data viewing.
- Virtual trainer is a function in the programming that at any time will allow users to walk through a tutorial on features of the unit (Available in 16 languages including English, English UK, Spanish, Portuguese, Italian, French, German, Dutch, Turkish, Simplified Chinese, Finnish, Hungarian, Basque, Traditional Chinese, Welsh, Hebrew).
- Stride Sensor shuts down the unit if a user's stride is not detected – on treadmills.
- Integrated 15 LCD screen with touch screen.

RATIONALE (Continued)

Life Fitness has made technological strides in terms of Energized Entertainment. With the diverse users at the City fitness centres, Life Fitness equipment can switch to sixteen (16) different languages and features closed captioning for the hearing impaired. These treadmills have proven to be durable, user friendly, and very popular for users visiting Markham's fitness centres.

Life Fitness has the largest integrated Certified Pre-Owned program. Through this program, 50-75% of parts from its commercial cardio products are reused to create a durable line of CPO products. Through this program, Life Fitness keeps materials out of landfills and cuts down on manufacturing footprint. Since 2004, they have placed 70,000 of these units back in the field. Also, Life Fitness continues with their eco-friendly practices by earning its green certification from the Green Business Bureau, a company that provides green programs for small and medium sized businesses.

Technogym – Sole Supplier for Technogym Products

Technogym is a well respected manufacturer in the fitness industry. They are the sole supplier of fitness equipment to all Olympic and Pan Am Games athletes training centres, making them a very reputable brand and forward thinking company. The Technogym line of equipment is comparable on many levels to the brands offered within Recreation Services' fitness centres

Since 2003, Technogym has put in place a number of manufacturing accommodations, in accordance to UNI ISO 14001 certification requirements, primarily aimed at product and process environmental compatibility. To highlight Technogym green policies and awareness of their eco-friendly choice when purchasing equipment, Technogym has designed a special green logo with the main criteria forming the basis of development of Technogym products during their entire life cycle.

These are the main drivers Technogym follows to manufacture and offer greener products to the market:

- **Self-powered product available and energy efficiency motors.** The Excite™ cardiovascular line features totally self-powered products that self-generate the energy necessary to function (Excite™ SP) when users are exercising on the machine. This also saves electric power when no one is using the machine.
- **Highly recyclable materials and lower usage of raw materials.** Technogym products are built with highly renewable – more than 95% in weight - materials (plastic and metal). The easy and simple process of disassembly of the components allows them to salvage secondary raw materials at the end of the lifecycle. Technogym products have a very long average life, enhanced further by the second-hand market. This allows a reduction of raw material use and product disposal.
- **Solvent-free paints.** The Excite™ line uses water-based instead of solvent based paint and avoids chrome plating. This means to significantly reduce or radically replace dangerous, toxic or environmentally unsuitable substances.
- **Fully RoHS compliant products.** All products sold globally contain electrical and electronic components in full conformity to RoHS directive. European Directive 2002/95/EC (RoHS) requires the substitution in new electrical and electronic equipment of various heavy metals (lead, mercury, cadmium, and hexavalent chromium) and brominated flame retardants (polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE), considered to be hazardous for the environment in the final disposal phase.
- **Slim & re-usable packaging.** Technogym's main suppliers deliver re-usable packing material, as they use foldable containers that can be used over and over to reduce the need for new packaging material. Technogym also re-uses part of the wood pallets where possible.

RATIONALE (Continued)**Vo2 Fitness – sole supplier of Precor Products**

Vo2 Fitness Precor bikes, elliptical and AMT's are a well established City standard in the fitness facilities. They have proven to be durable and easy to use for Markham's fitness members. In the 2009 Industry Report from IHRSA (International Health, Racquet and Sporting Association) on equipment performance, 150 health club operators ranked PRECOR #1 in 12 of 14 categories including: Reliability, Ease of Use, Consumer Excitement, Adding Value to Business, and After Sales Service.

Key Product Features for Precor includes:

- Touch screen Console
- Intuitive interface
- Step-through design – Recumbent model only
- Ventilated, suspension-mounted air flex seat back
- Dual-sided pedals with integrated straps
- Simple single-handed seat adjustment
- Over-molded handlebars – Upright model only
- Ergonomically designed saddle – Upright model only
- 11 Languages including English, Chinese (Simplified), Dutch, French, German, Italian, Japanese, Korean, Portuguese (Iberian), Russian, Spanish

Precor have established a track record of progressive environmental stewardship and gained industry and government recognition for environmental and manufacturing best practices. The Precor record of continuous improvement to protect human health and the environment is evident in multiple honours earned over the past decade for its U.S. based manufacturing, which includes:

- LEED CI Gold recognition by the U.S. Green Building Council for the design, construction, and operation of offices in their manufacturing plant in Guilford County, North Carolina
- King County (Washington State) “Distinguished Business in the Green” Award
- King County Industrial Water “Gold Compliance” Awards
- King County “Model Metal Working Fluid Management Program” designation
- Washington State Department of Ecology Metal Machining Sector “Best Practice” recognition
- Washington State Labor & Industries Model Ergonomic-in-Action award

Based on a proven track record in existing Markham fitness facilities; Life Fitness, Precor and Technogym Cardio equipment have proven to be excellent value in terms of performance, durability and member satisfaction. Markham is a preferred customer with all vendors and has received the following discounts above regular commercial rates; Life Fitness – 15%, Precor – 22% & Technogym – 14.5%. Staff negotiated a 0.4% discount with VO2 Fitness Inc. for the Precor equipment.

OPERATING BUDGET AND LIFECYCLE IMPACT

The formula for replacement of equipment is based on an industry standard that states 8% of gross revenue will represent the replacement value of equipment to service membership. Expected revenue for Aaniin Fitness Centre is estimated at \$241,585.00 which will require \$19,246.80 in life cycle reserve impact.

ENVIRONMENTAL CONSIDERATIONS

Products being purchased have various environmental benefits such as:

- Use of solvent free paint
- Recyclable and reusable materials used
- Products are built with renewable parts
- LEED CI Gold recognition



STAFF AWARD REPORT

Page 1 of 5

To:	Andy Taylor, Chief Administrative Officer
Re:	133-S-17 Strength Fitness Equipment for Aaniin Community Centre
Date:	May 8, 2017
Prepared by:	Shawn Hermans, Community Program Coordinator, Ext. 2833 Patti Malone, Senior Buyer, Ext.2239

PURPOSE

To obtain approval to award the purchase supply and delivery of Life Fitness strength fitness equipment for the Aaniin Community Centre.

RECOMMENDATION

Recommended Supplier(s)	Advantage Fitness (Non-Competitive Procurement - (Life Fitness Strength Equipment) Technogym Fitness (Non-Competitive Procurement)	
Current Budget Available	\$ 193,000.00	70-5350-13888-005 Aaniin CC&L FFE – Recreation
Less Cost of award	\$ 153,916.42 <u>\$ 13,519.00</u> \$ 167,435.42	Award to Advantage Fitness (inclusive of HST) Award to Technogym (inclusive of HST) Total award
Budget Remaining after this award	\$ 25,564.58	*

* Remaining balance of \$25,564.58 in account 70-5350-13888-005 will be used to purchase other FF&E items as budgeted for within this account.

Staff further recommends:

THAT the tendering process be waived in accordance with Purchasing By-Law 2004-341, Part II, Section 7 Non Competitive Procurement, item 1 (e) where the City is acquiring specialized equipment, in which case the sources of supply may be identified based on technical specifications prepared by the User Department staff.

BACKGROUND

This recommended award is for the supply and delivery of Life Fitness strength fitness equipment for the Aaniin Community Centre. Life Fitness and Technogym products are well known in the industry and well used in current City of Markham fitness facilities. Their products are durable, user friendly, and the Life Fitness Insignia Series in particular has made significant improvements compared to current models in our other facilities. The Life Fitness lines provide many unique features including digital rep counters which are ideal for introducing newcomers to strength and resistance training. These features were specially sought out to appeal to the new user in the south east area of Markham. In addition, the Insignia line of equipment features improved communication in the form of information placards which illustrate the muscles trained, proper machine set up & use, for easy to follow instructions regardless of language.

The recommended strength fitness equipment is as follows:

ADVANTAGE FITNESS

Item #	Quantity	Manufacture	Description	Model
1	1	Life Fitness	Dual Adjustable Pulley (includes accessories)	CMDAP
2	1	Life Fitness	Life Fitness Signature Series Multi-Jungle Base Unit - MJ Core	<u>MJ-CORE</u>
3	1	Life Fitness	Life Fitness Signature Series Multi-Jungle Lat Pulldown	<u>MJLP-ST</u>
4	1	Life Fitness	Life Fitness Signature Series Multi-Jungle Row	<u>MJRW-ST</u>
5	1	Life Fitness	Life Fitness Signature Multi-Jungle Adjustable Pulley1	<u>MJAP41-ST</u>
6	1	Life Fitness	Life Fitness 360T - Versa DAP Base Unit - Versa-Cable-Cable	<u>FXTT-VCC</u>
7	1	Life Fitness	Life Fitness 360T -Suspension Chin w/ TRX Suspension Trainer	<u>FXT-TRX</u>
8	1	Life Fitness	Life Fitness 360T -Rock Chin	<u>FXT-ROC</u>
9	1	Life Fitness	Life Fitness 360T -Synrgy360 Cable Crossover Boom Connector	<u>FXT-BM</u>
10	1	Life Fitness	Insignia Series Pec Fly/Rear Deltoid	<u>SS-FLY</u>
11	1	Life Fitness	Insignia Series Assist Dip Chin	<u>SS-ADC</u>

ADVANTAGE FITNESS (Continued)

Item #	Quantity	Manufacture	Description	Model
12	1	Life Fitness	Insignia Series Seated Leg Press	<u>SS-SLP</u>
13	1	Life Fitness	Insignia Series Leg Extension	<u>SS-LE</u>
14	1	Life Fitness	Insignia Series Seated Leg Curl	<u>SS-SLC</u>
15	1	Life Fitness	Insignia Series Shoulder Press	<u>SS-SP</u>
16	1	Life Fitness	Insignia Series Chest Press	<u>SS-CP</u>
17	1	Life Fitness	Insignia Series Biceps Curl	<u>SS-BC</u>
18	1	Life Fitness	Insignia Series Triceps Press	<u>SS-TP</u>
19	1	Life Fitness	Insignia Series Back Extension	<u>SS-BE</u>
20	1	Life Fitness	Insignia Series Abdominal	<u>SS-AB</u>
21	1	Life Fitness	Optima Series Hip Abductor/Adductor	<u>OSHAA</u>
22	1	Life Fitness	Insignia Series Torso Rotation	<u>SS-TR</u>
23	1	Life Fitness	Signature Leg Raise	<u>SLR</u>
24	12	Life Fitness	Upgrade to L Trim package (Rep and Resting Counters)	<u>SS-XX-7002</u>
25	1	Life Fitness	Plate Loaded Linear Leg Press	<u>HSLLP</u>
26	1	Life Fitness	HD Elite Power Rack - 8'	<u>HDLPR</u>
27	1	Life Fitness	HD Elite Stand Alone Standard Storage	<u>HDLSTOR-SA-6201</u>
28	1	Life Fitness	HD Elite 2-Handle Pull-Up Option	<u>HDLPU-6*01</u>
29	1	Life Fitness	Power Pivot	<u>HDLPP</u>
30	1	Life Fitness	Signature Olympic Flat Bench	<u>SOFB</u>
31	3	Life Fitness	Signature Multi-Adjustable Bench	<u>SMAB</u>
32	1	Life Fitness	Signature Adjustable Decline/Abdominal Crunch	<u>SADB</u>
33	1	Life Fitness	Seated Arm Curl Bench	<u>FW-AC</u>
34	1	Life Fitness	Rubber Grip 255 International Plate Set (2X45, 35, 25, 10, 2.5 & 4X5) w/ 1 pr Spring Collars	<u>HOG-R-255</u>
35	1	Life Fitness	Set Includes: 10 pr dumbbells (5-50 in 5 lb increments), 2T-SDL-10 rack not included	<u>SET-GGUDB-5-50</u>
36	1	Life Fitness	Set Includes: 10 pr dumbbells (55-100 in 5 lb increments), 2T-SDL-10 rack not included	<u>SET-GGUDB-55-100</u>
37	2	Life Fitness	Signature Two Tier Dumbbell Rack	<u>SDR2</u>
38	1	Life Fitness	Urethane Curl Barbell Set, 20-110 lbs (10 lb. Incr.)	<u>SET-UB-C</u>
39	1	Life Fitness	Urethane Straight Barbell Set, 25-115 lbs (10 lb. Incr.)	<u>SET-UB-S</u>
40	2	Life Fitness	Signature Barbell Rack	<u>SBBR</u>
41	1	Technogym	Kinesis One	Kinesis One

OPTIONS/DISCUSSIONS

There are only four (4) major suppliers of cardio and strength training equipment and in January 2017, staff invited the four (4) suppliers to provide one (1) hour presentations on both their cardio and strength training lines: 1. Advantage Fitness, 2. Vo2 Fitness, 3. Technogym and 4. Matrix. Each supplier had an opportunity to share the lines of equipment they represent including Green initiatives, user friendly features and connectivity. From these meetings, it was determined if further research was warranted. These presentations combined with subsequent facility tours at University of Guelph, Town of Ajax, Town of Newmarket and current City of Markham facilities allowed staff to evaluate the products being considered for the Aaniin Community Centre.

After the presentations, it was determined that further investigation into three (3) additional lines of equipment was required. Subsequently, three (3) site visits were arranged to view Matrix, Technogym and Life Fitness strength training line.

Matrix Fitness – The Matrix line of equipment is new to Canada with offices in Mississauga, Ontario. Though there is inherent appeal of a vendor that is in close proximity to maintain failed units, a tour of Matrix equipment at the University of Guelph failed to impress staff. The product showed wear and tear found on equipment with less than one (1) year in operation. This along with an unproven track record in Canada made the investment in Matrix equipment unappealing.

OPTIONS/DISCUSSIONS (Continued)

Technogym – The “Technogym Selection” strength training line was also reviewed at Cornell Community Center. This line of equipment is similar in design to the current City standard of Life Fitness strength training equipment. It offers a unique Wellness system technology; which allows user’s information to be tracked, captured and shared electronically. However, feedback from both users and fitness counselors indicate that this technology does not have much uptake by regular clients. The desire to exercise without the step of “signing in” negates the benefits of this wellness technology for the average user. The yearly cost of \$2000.00 to implement Technogym’s technology is also a significant deterrent. For this reason, Recreation Services are recommending not to consider the “Technogym Selection” line.

Conversely, the Technogym Kinesis Line of equipment, specially the Kinesis One unit has significant appeal due to its unique ability to provide the user with a wide variety of resistance training options in one compact unit. The Kinesis One unit, which does not include the wellness system, features cable resistant training that has seen regular use at both Centennial and Cornell Fitness Centres. Due to its relatively small footprint and usability for those with restrictive mobility, the unit would be a welcomed addition to complement strength training at Aaniin Community Centre.

The decision to invest in a majority of Life Fitness strength equipment and one supporting piece by Technogym is being put forth with the following rationale:

RATIONALE**Advantage Fitness – Sole Supplier for Life Fitness Products**

Advantage Fitness has provided Life Fitness products to the City of Markham for over eleven (11) years, with a high success rate in durability, ease of use, facility design and attention to detail. The Life Fitness product is inviting, safe, and easy to manage.

The key product features for Life products, include:

- Consistent low profile 58” tower with fully welded 11-gauge steel frames and Rubber Accessory Tray.
- LFcode QR/NFC placards pictorially illustrate the muscles trained, proper machine set up & use, for easy to follow instructions regardless of language.
- Integrated repetition counter, exercise timer, & rest timer.
- Full front & back weight stack shrouds and pulley covers to ensure safety.
- Magnetic weight selector pin locks into place.
- Latex free, rubber over molded, ergonomic grips that accommodate various size users and hand positions.
- Ergonomic latex free rubber over molded adjustment handles.
- Gas or torsional steel spring assisted make adjustments quick and easy with articulating seat angle technology.
- Independent converging and diverging movements that correctly align with the user’s joint movement, provide a natural, comfortable feel throughout the entire range of motion.
- Variable cams & machine design replicate the body’s natural strength profile.

Life Fitness has the largest integrated Certified Pre-Owned program. Through this program, 50-75% of parts from their commercial cardio products are reused to create a durable line of CPO products. Through this program, Life Fitness keeps materials out of landfills and cuts down manufacturing footprint. Since 2004, they have placed 70,000 of these units back in the field. Also, Life Fitness continues with their eco-friendly practices by earning its green certification from the Green Business Bureau, a company that provides green programs for small and medium sized businesses.

Advantage Fitness is the sole distributor of Life Fitness products. The Life Fitness line of fitness equipment is a well established product line in the fitness industry, well respected for their performance, durability and functionality. This line is currently in use at all City of Markham Fitness Centres. The equipment represents the standard for City Fitness Centres. Use of Life Fitness strength equipment at the new Aaniin Fitness Centre will maintain this consistent standard.

RATIONALE (Continued)**Technogym – Sole Supplier for Technogym Products**

Technogym is a well respected manufacturer in the fitness industry. They are the sole supplier of fitness equipment to all Olympic and Pan Am Games athletes training centres, making them a very reputable brand and forward thinking company. The Technogym line of equipment is comparable on many levels to the brands offered within Recreation Services' fitness centres.

Since 2003, Technogym has put in place a number of manufacturing accommodations, in accordance to UNI ISO 14001 certification requirements, primarily aimed at product and process environmental compatibility. To highlight Technogym green policies and awareness of their eco-friendly choice when purchasing equipment, Technogym has designed a special green logo with the main criteria forming the basis of development of Technogym products during their entire life cycle.

These are the main drivers Technogym follows to manufacture and offer greener products to the market:

- **Highly recyclable materials and lower usage of raw materials.** Technogym products are built with highly renewable – more than 95% in weight - materials (plastic and metal). The easy and simple process of disassembly of the components allows them to salvage secondary raw materials at the end of the lifecycle. Technogym products have a very long average life, enhanced further by the second-hand market. This allows a reduction of raw material use and product disposal.
- **Fully RoHS compliant products.** All products sold globally contain electrical and electronic components in full conformity to RoHS directive. European Directive 2002/95/EC (RoHS) requires the substitution in new electrical and electronic equipment of various heavy metals (lead, mercury, cadmium, and hexavalent chromium) and brominated flame retardants (polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE), considered to be hazardous for the environment in the final disposal phase.
- **Slim & re-usable packaging.** Technogym's main suppliers deliver re-usable packing material, as they use foldable containers that can be used over and over to reduce the need for new packaging material. Technogym also re-uses part of the wood pallets where possible.

Based on a proven track record in existing Markham fitness facilities; Life Fitness and Technogym Cardio equipment have proven to be excellent value in terms of performance, durability and member satisfaction. Markham is a preferred customer with all vendors and has received the following discounts above regular commercial rates; Life Fitness – 15% & Technogym – 14.5%.

OPERATING BUDGET AND LIFECYCLE IMPACT

The formula for replacement of equipment is based on an industry standard that states 8% of gross revenue will represent the replacement value of equipment to service membership. Expected revenue for Aaniin Fitness Centre is estimated at \$241,585.00 which will require \$19,246.80 in life cycle reserve impact.

ENVIRONMENTAL CONSIDERATIONS

Products being purchased have various environmental benefits such as:

- Use of solvent free paint
- Recyclable and reusable materials used
- Products are built with renewable parts



STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	161-S-17 TRCA 50/50 Community Project Partnership Program
Date:	April 24, 2017
Prepared by:	Nory Takata, Parks Planner, ext. 3226 Patti Malone, Senior Buyer, ext. 2239

PURPOSE

To obtain approval for three (3) years at the 2017 itemized pricing for TRCA 50/50 Community Project Partnership Program which includes technical support, supply, site preparation, delivery and planting of trees, shrubs and wildflowers for annual planting projects.

RECOMMENDATION

Recommended Supplier	Toronto and Region Conservation Authority (Non-Competitive Procurement)	
Current Budget Available	\$ 20,000.00	730-7355399 - TRCA 50/50 Community Projects
Less: Cost of award	\$ 20,000.00 \$ 20,000.00 <u>\$ 20,000.00</u> \$ 60,000.00	2017-TRCA 50/50 Community Projects 2018- TRCA 50/50 Community Projects* 2019- TRCA 50/50 Community Projects* Total Award (Inclusive of HST)
Budget Remaining after this award	\$ 0.00	

* Subject to Council approval of the 2018 and 2019 budgets

THAT the tendering process be waived in accordance with Purchasing By-Law 2004-341, Part II, Section 7 (2) (e) - Tenders, Requests for Proposal and Requests for Quotation may not be required for goods and services to be provided by any of the following: (e) Toronto and Region Conservation Authority (TRCA).

THAT the tendering process be waived in accordance with Purchasing By-Law 2004-341, Part II, Section 7 (2) (e) - Tenders, Requests for Proposal and Requests for Quotation may not be required for goods and services to be provided by any of the following: (e) Toronto and Region Conservation Authority (TRCA).

BACKGROUND

TRCA 50/50 Community Project Partnership Program

As part of the TRCA 50/50 Community Project Partnership Program, each partner contributes \$20,000 towards annual naturalization and riparian buffer planting projects to improve the ecological health, increase riparian tree canopy and native species biodiversity in the City's parks and natural areas within its two main watersheds. The program will improve water quality and fish habitat through the reduction of peak flow volume and soil erosion due to severe storm events. The program will link forest fragments to increase woodland cover and tree canopy in riparian buffer zones. The plan is to create corridors and habitat for wildlife in parks and valley lands across the City. The funds are used for the planning, site preparation and planting of native shrubs, trees and wildflowers.

TRCA landscape architects work with Operations staff to conduct site assessments, develop planting plans, prepare planting beds, and supply native trees, shrubs and wildflowers for the planting projects. The principal objectives behind the plantings include: improve water quality and fish habitat through the reduction of peak flow volume and soil erosion due to severe storm events, link forest fragments to increase woodland cover and tree canopy in riparian buffer zones; create corridors and habitat for wildlife in parks and valley lands across the City.

BACKGROUND (Continued)**Benefits:**

With few exceptions, the program's planting projects are located within TRCA screening zones. If plans were developed in-house by City staff then an application and permit approval would be required from TRCA's planning section. This partnership establishes a direct working relationship with TRCA staff for plan development to greatly reduce timelines and avoid consulting fee charges (estimated to exceed \$8,000), for this service outside of this partnership. Also, TRCA nursery stock is high quality and propagated from local seed sources and priced competitively with local wholesalers due to their cost recovery pricing. Other services such as field staff for planting, are invoiced at cost, with 50% of this cost representing TRCA's contribution under this partnership program.

2017 Projects

A large scale tree planting in Campbell Park will comprise the major project for the spring of 2017. This community planting event is organized by 10,000 Trees for the Rouge with the support of the City of Markham, the TRCA, along with funding support from other sources. The TRCA has also contributed \$5,000 worth of in-kind support, with the site preparation, consisting of mowing and tilling the site, in the late fall of 2016. Additional spring planting will be a TRCA staff planting, to plant native tree seedlings on a steep slope in Pomona Mills Park which has lost most of its tree cover of native ash trees due to the Emerald Ash Borer infestation, which were removed in the fall of 2015. The slope and uneven terrain are too difficult for volunteers or untrained staff to plant safely, which makes this a good fit for this program by having TRCA field staff perform the planting. This planting has time sensitivity considerations due to the potential for serious erosion of the exposed slope and the threat of many invasive plants species to invade the spaces left open by the removal of large ash trees. One community planting in the riparian buffer of Exhibition Creek in Carmen Lewis Park and, pending budget, some smaller infill planting will be scheduled for the fall of 2017. In order to expand the inventory of future restoration sites, site assessment and preliminary plan development will be initiated as resources permit.

OPERATING BUDGET AND LIFECYCLE IMPACT

There is no impact to the Operating Budget.

There is no impact to the LifeCycle Replacement and Capital Reserve Fund.



STAFF AWARD REPORT

Page 1 of 2

To:	Brenda Librecz, Commission, Community & Fire Services
Re:	145-T-17 Hired Gradall on an as Required Basis
Date:	May 18, 2017
Prepared by:	Mike Brady, Supervisor, Contract Administration, ext. 2316 Patti Malone, Senior Buyer, ext. 2239

PURPOSE

To obtain approval to award the contract for equipment hire (gradalls) on an as required basis for (1) ONE year, with an option to renew for an additional TWO (2) years at the same terms, conditions and pricing, subject to contractor performance and at the sole discretion of the City.

RECOMMENDATION

Recommended Supplier (s)	Don Cordingley Gradall Rental (Sole Bidder)	
Current Budget Available	\$52,150.00	Various Accounts (see Financial Consideration)
Less: Cost of award	\$ 52,101.12	2017 Inclusive of HST
	\$ 52,101.12	2018 Inclusive of HST*
	<u>\$ 52,101.12</u>	2019 Inclusive of HST*
	\$156,303.36	Total Award
Budget Remaining after this award	\$ 48.88	**

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

** The budget remaining of \$48.88 will be reported as a favourable variance as part of the 2017 year end results of operations.

BACKGROUND

During the summer months, the hired gradall, together with an operator, is used to perform various ditching activities as well as for other internal construction projects. The use of the gradall for ditching purposes ensures that the City maintain proper road drainage from the pavement and surrounding area.

This contract requires 280 hours of hire of the gradall, an increase of 41 hours compared to the previous contract. In addition, there are 5 occurrences of debris removal at the intersection of Clark and Henderson. The amount of debris at this location has increased significantly and is more visible during periods of heavy rain, and now requires the use of a gradall for removal.

BID INFORMATION

Advertised	ETN
Bids closed on	April 25, 2017
Number picking up bid documents	3
Number responding to bid	1*

*Per the no bid inquiry sent to bidders who were invited or picked up the bid, no bid reasons include inability to quote competitively, no longer have required equipment and missed bid closing date.

PRICE SUMMARY

Suppliers	Bid Price
Don Cordingley Gradall Rental	\$52,101.12.00

* In comparing the 2014 contract pricing (093-Q-14) for this service, the unit price under this contract represents an increase of 14% , mainly due to increases in operating costs (insurance, machine licensing requirements) and fuel prices. Also, there is the addition of 5 occurrences of debris removal at Clark/Henderson.

The recommended bidder, Don Cordingley Gradall Rental, is the current contractor since 2014 and performance is satisfactory.

FINANCIAL CONSIDERATIONS

Account Name	Account #	Original Budget Amount	Budget allocated for this Award	Cost of award	Budget Remaining
Drainage - Hired Equipment	700-507-5501	\$ 74,608.00	\$ 45,500.00	\$ 45,500.00	\$ -
ROW - Hired Equipment	700-501-5501	\$ 74,608.00	\$ 6,650.00	\$ 6,601.12	\$ 48.88
Total		\$ 149,216.00	\$ 52,150.00	\$ 52,101.12	\$ 48.88

OPERATING BUDGET AND LIFECYCLE IMPACT

The budget remaining in the amount of \$48.88 will be reported as a favourable variance as part of the 2017 year end results of operations.

There is no impact to the Lifecycle Replacement and Capital Reserve Fund

ENVIRONMENTAL CONSIDERATIONS

N/A

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

To:	Andy Taylor, Chief Administrative Officer
Re:	212-T-16 Greensborough Williamson Neighbourhood Park – Construction
Date:	May 11, 2017
Prepared by:	Morteza Behrooz, Project Manager, Park Development, Ext. 5757 Rosemarie Patano, Senior Construction Buyer, Ext. 2990

PURPOSE

To obtain approval to award the contract for the construction of the Greensborough Williamson Neighbourhood Park.

RECOMMENDATION

Recommended Supplier	Melfer Construction Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 1,286,000.00	See 'Financial Considerations'
Less cost of award	\$ 1,098,647.79	Construction
	\$ 65,918.87	Contingency (6%)
	\$ 1,164,566.66	Total (Inclusive of HST)
	\$ 104,811.00	Internal Management Fee @ 9%
	\$ 1,269,377.66	Total Cost of Award (Inclusive of HST)
Budget Remaining after this award	\$ 16,622.34	*

*The remaining funds in the amount of \$16,622.34 will be returned to the original funding source.

BACKGROUND

Greensborough Williamson Neighbourhood Park is located at 190 Williamson Road.

The park will consist of the following features:

- Site preparations, removals and demolition work
- Site storm servicing, sub drain systems and culverts
- Pavilion and electrical systems for pavilion lighting
- Concrete and asphalt paving work
- Play equipment
- Adult outdoor fitness equipment
- A poured-in-place custom skate spot
- Tennis court fencing, gates and accessories
- Natural armoustone seat wall
- Site furnishings including benches, tables, bike racks and litter receptacles

BID INFORMATION

Advertised	ETN
Bid closed on	March 16 2017
Number picking up document	20
Number responding to bid	12

PRICE SUMMARY

Suppliers	Bid Price (Inclusive of HST)
Melfer Construction Inc.	\$ 1,098,647.79
Cambium Site Contracting Inc.	\$ 1,117,014.43
Gateman Milloy Inc.	\$ 1,122,373.93
Orin Contractor Corp	\$ 1,154,059.06
Loc Pave Construction	\$ 1,184,551.78
DPSL Group Limited	\$ 1,194,662.40
Landtar Construction Inc.	\$ 1,213,785.14
Pine Valley Corporation	\$ 1,242,776.54
Mopal Construction Limited	\$ 1,247,437.17
CSL Group Ltd.	\$ 1,313,884.98
M &S Architectural Concrete Ltd.	\$ 1,314,858.64
Royalcrest Paving Ltd.	\$ 1,484,776.34

The project is anticipated to be completed by September 2017 and the Operations, Asset Management, Recreation and Purchasing Departments were consulted during the process.

ENVIRONMENTAL CONSIDERATIONS

Environmental protection/procedures in the contract documents in order to meet or exceed regulatory environmental procedures during construction:

- Park grading is designed to minimize the amount of import and/or export of soils
- Plant materials (i.e., shrubs and trees are non-invasive and many of which are native species)
- Inclusion of naturalized areas

FINANCIAL CONSIDERATIONS

Account Name	Account #	Budget Available	Cost of Award	Budget Remaining
Greensborough Williamson Neighbourhood Park – Construction	081-5350-17011-005	\$ 1,286,000.00	\$ 1,269,377.66	16,622.34

The remaining funds in the amount of \$16,622.34 will be returned to the original funding source.

OPERATING BUDGET AND LIFECYCLE IMPACT

The Operations Department has reviewed the project and supports the future maintenance requirements. Future requirements include grass cutting and trimming, litter pick-up, garbage disposal and playground inspections.

The Greensborough Williamson Neighbourhood Park is 1.58 hectares and the budgeted cost per hectare is \$8,584/ha. Therefore the annual operating and maintenance impact is approximately \$13,562.72 (1.58 ha x \$8,584/ha). This operating increase will be added to the 2018 Operating budget subject to Council approval.

The Lifecycle impact of this park will be \$1,015K. The Lifecycle impact of this park is estimated to be 80% of the total construction of the park. Every park has various amenities, each with various life-spans. Staff will update the Lifecycle Reserve Study at the next update to incorporate the various components of the park.



STAFF AWARD REPORT

Page 1 of 2

To:	Biju Karumanchery, Director Planning & Urban Design
Re:	071-T-17 Berkshire Parkette - Construction
Date:	May 16, 2017
Prepared by:	Morteza Behrooz, Project Manager, Park Development, Ext. 5757 Rosemarie Patano, Senior Construction Buyer, Ext. 2990

PURPOSE

To obtain approval to award the contract for the construction of the Berkshire Parkette.

RECOMMENDATION

Recommended Supplier	Greenspace Landscaping and Property Services Inc.. (Lowest Priced Supplier)	
Current Budget Available	\$ 89,005.17	081-5350-17003-005 Angus Glen West Village Parkette –Design and Construction
Less cost of award	\$ 73,152.46	Construction
	\$ 5,120.67	Contingency (7%)
	\$ 78,273.13	Total (Inclusive of HST)
	\$ 7,044.58	Internal Management Fee @ 9%
	\$ 85,317.71	Total Cost of Award (Inclusive of HST)
Budget Remaining after this award	\$ 3,687.46	*

*The remaining budget of \$3,687.46 will be returned to the original funding source.

BACKGROUND

Berkshire Parkette is located at Berkshire Crescent.

The project will include:

- Temporary fence enclosure
- Site preparation and grading of site;
- Concrete paving;
- Planting and sodding;
- Site furnishings.
- Mulch

BID INFORMATION

Advertised	ETN
Bid closed on	May 11 2017
Number picking up document	17
Number responding to bid	11

PRICE SUMMARY

Suppliers	Bid Price (Inclusive of HST)
Greenspace Landscaping and Property Services Inc.	\$ 73,152.46*
Landtar Contruction Inc	\$ 74,884.17
Euro Landscape Construction & Grounds Inc.	\$ 84,669.60
CSL Group Ltd	\$ 87,642.33
Pine Valley Corporation	\$ 88,783.56
Mopal Construction Limited	\$ 95,511.94
M & S Architectural Concrete Ltd.	\$ 97,870.23
Hawkins Contracting Services Limited	\$ 109,679.35
City Core Construction Inc	\$ 110,796.61
Laycon Construction Services Inc.	\$ 123,602.78
Pop's Restoration	\$ 131,192.10

PRICE SUMMARY (CONTINUED)

The project is anticipated to be completed by July 2017 and the Operations, Asset Management, Recreation and Purchasing Departments were consulted during the process.

ENVIRONMENTAL CONSIDERATIONS:

Included Specification Section 01561 – Environmental Protection in the contract documents in order to meet or exceed regulatory environmental procedures during construction:

- Park grading is designed to minimize the amount of import and/or export of soils
- Plant materials (i.e., shrubs and trees are non-invasive and many of which are native species)

FINANCIAL CONSIDERATIONS

Account Name	Account #	Budget Available for this item	Cost of Award	Budget Remaining
Angus Glen West Village Parkette – Design and Construction	081-5350-17003-005	\$ 89,005.17	\$ 85,317.71	\$ 3,687.46

*The remaining budget of \$3,687.46 will be returned to the original funding source.

OPERATING BUDGET AND LIFECYCLE IMPACT

The Operations Department has reviewed the project and supports the future maintenance requirements. Future requirements include grass cutting and trimming, litter pick-up, garbage disposal and playground inspections.

The Berkshire Parkette is 0.12 hectares and the budgeted cost per hectare is \$8,584/ha. Therefore the annual operating and maintenance impact is approximately \$1,030.08 (0.12 ha x \$8,584/ha). This operating increase will be added to the 2018 Operating budget.

The Lifecycle impact of this park will be \$68K. The Lifecycle impact of this park is estimated to be 80% of the total construction of the park. Every park has various amenities, each with various life-spans. Staff will update the Lifecycle Reserve Study at the next update to incorporate the various components of the park.



STAFF AWARD REPORT

Page 1 of 2

To:	Jim Baird, Commissioner Development Services
Re:	123-T-17 Flato Markham Theatre – Rehearsal Hall and Stage Floor Replacement
Date:	May 19, 2017
Prepared by:	Andrew Rosenfarb, Production & Facility Manager - Flato Markham Theatre, Ext. 3794 Rosemarie Patano, Senior Construction Buyer, Ext. 2990

PURPOSE

To obtain approval to award the contract for the Flato Markham Theatre – Rehearsal Hall and Stage Floor Replacement.

RECOMMENDATION

Recommended Supplier	C.J. Duguid Flooring. (Lowest Priced Supplier)	
Current Budget Available	\$ 142,200.00	See Financial Considerations Table
Less cost of award	\$ 129,678.26	Construction
	\$ 11,671.04	Contingency (9%)*
	\$ 141,349.31	Total (Inclusive of HST)
Budget Remaining after this award	\$ 850.69	**

*Standard contingency is 10%, however the supplier is very experienced and has a proven track record of installing stage floors throughout the theatre industry and therefore Staff do not foresee any major surprises.

**The remaining funds in the amount of \$850.69 will be returned to the original funding source.

BACKGROUND

The Flato Markham Theatre – Rehearsal Hall and Stage Floor is an essential element for supporting the daily performances and events for rental client and the theatre's program. The theatre services and produces 365 events annually; number of participants reaching more than 125,000 artist, participants and patrons. The stage floor needs to stand up to the demands from multiple and varied presentations/events. All of the Theatre's performers and participants which include various community groups, professional entertainers, school groups and the general public require a safe and reliable stage surface to perform on. The subfloors of the stage have not been replaced since the Theatre opened its doors over thirty years ago, and they no longer retain the same strength that they once had. In addition the sprung floor system that is responsible for keeping performers safe, particularly dancers, has reached the end of its lifecycle and is need of replacement. Further deterioration of the subfloors and sprung floors will create safety concerns. The safety and stability of the floor is essential to all the performances and events within the theatre by both professional artists and the community.

The scope of work for this project includes the following:

Rehearsal Hall

- Remove and dispose of existing Gerflor Product-Top Coat
- Remove old adhesive material and any contaminates on the substrate
- Patch all cracks, holes etc with cement patching compound as recommended by the flooring manufacturer
- Remove and dispose of existing sub-floor consisting of 1 layer sleepers and 2 layers of ¾" plywood
- Remove all baseboards, cover baseboards with same vinyl installed on floor and reinstall after floor top coat is laid.
- Clean sub-floor of debris and dirt
- Supply and install Gerflor Taralay Premium Fusion Sheet Vinyl with heat welded seams as per manufacturer's installation instructions (Top Layer).
- Remove 2 current doorway thresholds and install new weight rated threshold.

Stage Floor

- Remove and dispose of existing Roscolem-Top Coat.
- Remove old adhesive material and any contaminates on the substrate
- Patch all cracks, holes etc with cement patching compound as recommended by the flooring manufacturer
- Remove and dispose of existing sub-floor consisting of 1 layer sleepers and 2 layers of ¾" plywood
- Remove baseboards around proscenium opening and reinstall after floor top coat is installed.
- Clean sub-floor of debris and dirt.
- Supply and install Black Roscolem with heat welded seams as per manufacturer's installation instructions (Top Coat).
- Centre welded seam to match currently installed centre seam as this is used as an identifying marking which identifies the centre of the stage.
- Remove 4 current doorway thresholds and install new weight rated threshold.

BID INFORMATION

Advertised	ETN
Bid closed on	May 09 2017
Number picking up document	9
Number responding to bid	6

PRICE SUMMARY

Suppliers	Bid Price (Inclusive of HST)
C.J. Duguid Flooring	\$ 129,678.26
Ritestart Limited	\$ 139,207.68
Associated Flooring Services Ltd	\$ 160,577.28
Cornerstone Building and Property Services Inc.	\$ 164,634.45
Basekamp Construction	\$ 171,525.64
Westpoint Construction Inc. (Flooring)	\$ 290,016.00

The project is anticipated to commence in August 2017 and be completed by September 2017.

ENVIRONMENTAL CONSIDERATIONS

Removal and disposal of garbage - all debris shall be transported to an authorized dump, waste treatment site or recycling facility by the Contractor, and disposed of in accordance with applicable by-laws, laws and regulations at the Contractor's expense.

The City reserves the right to approve of the disposal site and method of disposal.

FINANCIAL CONSIDERATIONS

Account Name	Account #	Budget Available	Cost of Award	Budget Remaining
Theatre Stage Floor Replacement	510-101-5399-17026	\$ 79,000.00	\$ 78,149.31	\$ 850.69
Theatre Stage Floor Replacement	510-101-5399-16083	\$ 63,200.00	\$ 63,200.00	\$ 0.00

*The remaining funds in the amount of \$850.69 will be returned to the original funding source.

OPERATING BUDGET AND LIFECYCLE IMPACT

There is no Operating Impact relating to the Theatre floor replacement.

The top-layer of the stage floor has a useful life of 10 years. Therefore, at a cost of \$43,248, the impact to the 25-year Lifecycle Reserve will be \$85,496 (2 replacements in the next 25 years, i.e. 2 x \$43,248). At the next update of the Lifecycle Reserve Study the costs for the top-layer of the floor will be adjusted. The sub-floor of the stage floor at a cost of \$98,101.30 has a useful life of 30 years. Therefore, there is no impact to the 25-year Lifecycle Reserve.



STAFF AWARD REPORT

Page 1 of 2

To:	Jim Baird, Commissioner Development Services
Re:	148-T-17 Supply and Installation of an Obelisk for Veterans Square, Markham Village – A Canada 150 Project
Date:	May 18, 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 an Obelisk for Veterans Square, Markham Village – A Canada 150 Project

RECOMMENDATION

Recommended Supplier	Shelburne Memorials Ltd. (Lowest Priced Supplier)	
Current Budget Available	\$ 560,519.41	081-5350-16275-005 Markham Village Library Square ('Obelisk')
Less cost of award	\$ 278,354.30	Construction
	\$ 27,835.43	Contingency (10%)
	\$ 306,189.73	Total (Inclusive of HST)
Budget Remaining after this award	\$ 254,329.68	*

* The remaining balance in the amount of \$ 254,329.68 will be used for other budgeted items included in the project scope such as foundation work, footing, lighting, paving and specialty consulting.

BACKGROUND

To Celebrate Canada's 150th birthday, the City of Markham will be engaging and mobilizing our diverse and vibrant communities to showcase Markham as a premier city that is a leader in sustainability, inclusion, and innovation. As part of the City of Markham's Canada 150 Plan (via Community Legacies), the Veterans Square and Markham Cenotaph Rehabilitation Project will be undertaken.

As part of this Work, the Successful Supplier will be responsible for:

- Supply, delivery, erection and installation of the new obelisk;
- Meeting with City staff as required, to finalize the design and detailing of the obelisk and as related to the administration, coordination and scheduling of these Works;
- Confirming materiality and finishes by providing granite samples for City approval;
- Providing the appropriate foundation and or footing design for the obelisk, stamped by a Civil Engineer;
- Providing on-site inspection and supervision of the erection and installation of the obelisk as well as for the foundations and/or footings for the obelisk;
- Undertaking any coordination as required with the General Contractor

The City anticipates releasing a Tender (Spring 2017) to solicit a General Contractor to Construct the **Veterans Square, Markham Village**: approximately 0.8 ha (2 acres) in area and located at the south east corner of HWY 7 East and Main Street Markham South immediately in front of the Markham Village Public library. Works of the General Contractor will include: coordination with the supplier and installer of the new obelisk, construction of the obelisk foundation and/or footings as specified, rehabilitation of the existing cenotaph, development of a multi-functional civic square (Veterans Square), and improvements to associated walkways, lighting, seating and landscaping.

BID INFORMATION

Advertised	ETN
Bid closed on	May 15, 2017
Number picking up document	10
Number responding to bid	4

BID INFORMATION (Continued)

Due to the complexity of the project staff wanted to ensure that suppliers had the necessary experience and qualifications to carry out the construction of the park. As such, the City released this Request for Tender to the market utilizing a two stage, two envelope system.

Stage 1 - Technical Evaluation (Envelope 'A'):

Under Stage 1 – Technical Evaluation (Envelope 'A'), Suppliers were assessed based on mandatory criteria whereby firms were required to: (1) demonstrate proof of their current and valid membership in either: Ontario Monument Builders Association **OR** Ontario Association of Cemetery and Funeral Professionals; and, (2) their experience with the provision of similar types or scale of granite monument installations (supplied and installed in civic spaces, parks, streetscapes or cemeteries in Canada in the past ten (10) years).

Stage 2 – Financial Evaluation – Bid Form (Envelope 'B'):

Suppliers that met all the mandatory requirements in Stage 1- Technical Evaluation advanced to Stage 2 – Financial Evaluation – Bid Form (Envelope 'B'). Three (3) out of the four (4) suppliers met all the mandatory requirements in Stage 1 and advanced to Stage 2 of the evaluation process where Suppliers were assessed solely on their Bid Price exclusive of HST.

PRICE SUMMARY

Suppliers	Bid Price (Incl. of HST)
Shelburne Memorials Ltd.	\$ 278,354.30
Martel & Fils / Sons Inc.	\$ 292,051.20
Carrier Mausoleums Construction Inc.	\$ 308,729.66

FINANCIAL CONSIDERATIONS

Account Name	Account #	Budget Available	Cost of Award	Budget Remaining
Markham Village Library Square – Centopath ('Obelisk')	081-5350-16275-005	\$ 560,519.41	\$ 306,189.73	\$ 254,329.68

* The remaining balance in the amount of \$ 254,329.68 will be used for other budgeted items included in the project scope such as foundation work, footing, lighting, paving and specialty consulting.

OPERATING BUDGET AND LIFECYCLE 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.

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 Lifecycle impact of the obelisk is \$69,588.00 at 45 years. The Lifecycle impact of the Obelisk is estimated to be 25% of the total supply and installation of the obelisk which allows for the dismantle, new foundation and re-assembly of the structure.

ENVIRONMENTAL CONSIDERATIONS

Granite is a sustainable natural material which has an undetermined lifecycle. Based on similar examples throughout Canada, this obelisk will last indefinitely.

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

To:	Andy Taylor, Chief Administrative Officer
Re:	165-T-17 Main Street Markham Paver Restoration
Date:	May 19, 2017
Prepared by:	Dereje Tafesse, Senior Capital Works Engineer, Ext: 2034 Tony Casale, Senior Construction Buyer, Ext. 3190

PURPOSE

To obtain approval to award the contract for the Main Street Markham Paver Restoration.

RECOMMENDATION

Recommended Supplier	D. Crupi & Sons Limited (Lowest Priced Supplier)	
Current Budget Available	\$ 329,750.00	083-6150-17043-005 Main Street Markham
Less cost of award	\$ 232,563.32	Cost of Award (Incl. of HST)
	\$ 58,140.83	Contingency @ 25% *
	\$ 290,704.15	Total Cost of Award (Incl. of HST)
	\$ 37,884.50	Internal Management Fee
	\$ 328,588.65	Total Project Cost
Budget Remaining after award	\$ 1,161.35	**

*A contingency of 25% is being requested to deal with any unforeseen site conditions (i.e. unsuitable road base, resident/ business requests, etc.) which may arise during construction.

**The remaining budget will be returned to the original funding source.

BACKGROUND

As part of the streetscaping improvements on Main Street Markham, the City installed interlocking concrete pavers on the roadway throughout the intersection at Robinson Street and Main Street Markham to improve traffic operation while promoting the heritage features. In an effort to further enhance the roadway interlocking concrete pavers were used to delineate the crosswalks. The Crosswalk bricks have prematurely failed and are sinking or popping out. The sinking bricks and those that are popping out are affecting surrounding asphalt and roadway brick areas.

The scope of work involves the removal of the existing brick pavers to top cement base, pave all areas and differentiate the crosswalks with colour impressed asphalt (crosswalks only).

Due to the urgency in repairing the pavers, the City issued the Bid to invited suppliers who have the necessary experience and ability to mobilize the repairs at Main Street Markham.

BID INFORMATION

Advertised	By Invitation
Bid closed on	May 18, 2017
Number picking up document	4
Number responding to bid	3

PRICE SUMMARY

Suppliers	Bid Price (Incl. of HST)
D. Crupi and Sons Limited	\$232,563.32
Brennan Paving & Construction Ltd.	\$406,218.49
Coco Paving Inc.	\$490,325.14

OPERATING BUDGET AND LIFECYCLE IMPACT

The lifecycle impact over the next 25 years is \$415,704.15 which includes the full rehabilitation cost of \$290,704.15 based on a 20 year lifecycle and \$125,000 (\$5,000/year x 25 years) for the regular maintenance of impressed asphalt along Main Street Markham. The lifecycle reserve study will be adjusted accordingly in the 2018 update.

ENVIRONMENTAL CONSIDERATIONS

The contract includes the requirement to transport all old bricks removed (bricks in good working conditions) from Markham Main Street to the Works Yard, at 555 Miller Avenue for reuse.



STAFF AWARD REPORT

Page 1 of 2

To:	Jim Baird, Commissioner, Development Services
Re:	112-Q-17 Milliken Centre Secondary Plan Transportation Study Peer Review
Date:	May 8, 2017
Prepared by:	Mark Siu, Senior Transportation Engineer. Ext. 2625 Tony Casale, Senior Construction Buyer, ext. 3190

PURPOSE

To obtain approval to award the contract for the Milliken Centre Secondary Plan Transportation Study Peer Review

RECOMMENDATION

Recommended Supplier	HDR Corporation (Highest Ranked/ Lowest Priced Supplier)	
Less cost of award	\$ 47,789.04	(Incl. of HST)
	\$ 4,778.90	Contingency @ 10%
	\$ 52,567.94	Cost of Award (Incl. of HST)
	\$ 11,564.95	Internal Management Fee
	\$ 64,132.89	Total Project Cost*

* The landowners group will fund the entirety of the peer review. The issuance of a purchase order is contingent upon receipt of payment from landowners and work will not commence until payment has been received by the City.

BACKGROUND

The Milliken Centre Secondary Plan is comprised of approximately 75 hectares centred on Old Kennedy Road. The general limits of the Secondary Plan are formed by Steeles Avenue to the south, Denison Street to the north, the CN Rail (GO Transit Stouffville Corridor) and Kennedy Road to the west, and a low-density residential area defined by Manston Crescent in the east.

The goal of the transportation study peer review is to retain a qualified consultant to undertake a Peer Review of the Transportation Study components being completed by Poulos & Chung. The Transportation Study will be a comprehensive Study that assesses the build out of the Milliken Centre Secondary Plan. Through an iterative process, the outcome of the Transportation Study will be the development of a transportation network and phasing plan strategy that will inform and support the recommended land use plan for Milliken Centre.

It is anticipated that the study will commence in May 2017 and be completed by September 2017.

BID INFORMATION

Advertised	ETN
Bids closed on	April 6, 2017
Number picking up bid documents	3
Number responding to bid	3

PROPOSAL EVALUATION

The evaluation team was comprised of staff from the Engineering Department with Purchasing staff acting as the facilitator. The evaluation was based on pre-established evaluation criteria as outlined in the Request for Proposal: 10% qualifications and experience of the consulting firm, 25% qualifications and experience of the project manager and team, 35% project methodology, understanding, schedule and work plan and 30% price, totaling 100%, with the resulting scores as follows:

Suppliers	Total Score (100 points)
HDR Corporation	84.00
Lea Consulting Ltd.	73.65
RJ Burnside	51.52

Note: Bid prices ranged from to \$47,789 to \$83,595 (Inclusive of HST).

Staff is recommending the highest ranked / lowest priced supplier (HDR Corporation) as their proposal satisfactorily demonstrated their experience and capability to undertake the project. They have a good understanding of the project related requirements and provided a satisfactory methodology and work plan.

OPERATING BUDGET AND LIFECYCLE IMPACT

N/A

ENVIRONMENTAL CONSIDERATIONS

N/A

**STAFF AWARD REPORT****Page 1 of 44**

To:	Andy Taylor, Chief Administrative Officer
Re:	070-R-17 Consulting Engineering Services for the 2017 Illumination Program
Date:	April 26, 2017
Prepared by:	Peter Chan, Capital Works Engineer. Ext. 4055 Tony Casale, Senior Construction Buyer, ext. 3190

PURPOSE

To obtain approval to award the contract for detailed design and tender document preparation for the 2017 Illumination Program. As part of the process the Consultant will evaluate the condition of the existing light fixtures, identify lighting levels and identify the need (if necessary) to add new light fixtures to provide satisfactory illumination at the proposed locations.

RECOMMENDATION

Recommended Supplier	IBI Group Professional Services (Canada) Inc. (Highest Ranked/Second Lowest Priced Supplier)	
Current Budget Available	\$ 275,000.00	083-6150-17050-005 Streetlights
Less cost of award	\$ 138,912.58	Design
	\$ 79,372.80	Construction Administration / Full Time Inspection*
	\$ 21,828.54	Contingency @ 10%
	\$ 240,113.92	Cost of Award (Incl. of HST)
	\$ 31,813.67	Internal Management Fee
	\$ 271,927.59	Total Project Cost
Budget Remaining after award	\$ 3,072.41	**

*Upon satisfactory completion of the detailed design and at the time of construction, the City may authorize the consultant to proceed with the contract administration and full time inspection work.

**The remaining budget will be returned to the original funding source.

BACKGROUND

The City of Markham develops an annual streetlight construction program to enhance safety along regional and local collector roads. As part of the 2017 streetlight program the City solicited Bids from consulting firms to provide detailed design and tender document preparation for proposed upgrades to the street lighting systems at the following locations:

No.	Street	Proposed Side	From	To
1A.	Denison Street	South	McCowan Road	Featherstone Ave.
1B.	Denison Street	North	Featherstone Ave.	Markham Road
2.	Middlefield Road	East	Steeles Avenue E	14 th Avenue
3.	Birchmount Road	East	Steeles Avenue E	Denison Street
4.	Brimley Road	West	Steeles Avenue E	14 th Avenue

It is anticipated that the design will commence in May 2017 and be completed by October 1, 2017.

BID INFORMATION

Advertised	ETN
Bids closed on	March 21, 2017
Number picking up bid documents	11
Number responding to bid	4

PROPOSAL EVALUATION

The evaluation team was comprised of staff from the Engineering Department with Purchasing staff acting as the facilitator. The evaluation was based on pre-established evaluation criteria as outlined in the Request for Proposal: 10% qualifications and experience of the consulting firm, 20% qualifications and experience of the project manager and team, 40% project methodology, understanding, schedule and work plan and 30% price, totaling 100%, with the resulting scores as follows:

Suppliers	Total Score (100 points)
IBI Group Professional Services (Canada) Inc.	82.19
DPM Energy Inc.	66.97
Moon-Matz Ltd.	63.00
Lea Consulting Ltd.	47.00

Note: Bid prices ranged from to \$173,214.85 to \$383,940.48 (Incl. of HST).

Staff is recommending the highest ranked / 2nd lowest priced supplier (IBI Group Professional Services (Canada) Inc.) as their proposal satisfactorily demonstrated their experiences and capabilities to undertake this project. They have good reference, good understanding of the project related requirements, and provided a satisfactory methodology and work plan. IBI Group is also currently working on the street light design for the 2016 illumination program for Rodick Road for the City's Engineering Department and underground streetlight cable replacement program for the City's Asset Management Department.

OPERATING BUDGET AND LIFECYCLE IMPACT

The consultant will determine the number of light fixtures that need to be replaced, modified or added. The operating and maintenance impact will be known when the consultant work is complete and total light fixtures are known.

Based on the data from Environmental Services Department, the operating and maintenance cost per streetlight are shown as follows:

The maintenance cost of one streetlight is estimated to be \$50.00 per year. The energy consumption is estimated to be \$102.00 per luminaire per year.

New illumination pole and arm is anticipated to have service life of 75 years. Therefore there is no impact for 25 year life cycle cost consideration.

Luminaire service life is estimated to be 20 years. The impact to 25 year life cycle cost calculation for one high wattage cobra-head luminaire is estimated to be \$662.00.

The Operating and Lifecycle impact will be included in the construction award report.

ENVIRONMENTAL CONSIDERATIONS

This award report is focus on the streetlighting design work by consultant. The design will be reviewed by City staff to ensure environmental impact is mitigated (such as minimize tree disturbance, ensure lighting meets the minimum design requirement to minimize light pollution)