



Report to: General Committee

Report Date: May 4, 2018

SUBJECT: Staff Awarded Contracts for the Month of April 2018

PREPARED BY: Alex Moore, Ext. 4711

RECOMMENDATION:

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

PURPOSE:

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

BACKGROUND:

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

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

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

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

Community & Fire Services

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none">• 008-T-18 Material Testing• 026-T-18 Road Rehabilitation Program-Restoration of Concrete Curb and Sidewalk• 031-Q-18 Tennis Court Resurfacing at Simonston Park• 038-T-18 Rental of Portable Toilets• 045-T-18 Erosion Restoration at Pomona Mills Creek and Don Mills Channel• 046-Q-18 Contract Administration Services for Rehabilitation of Storm Sewers• 077-T-18 Rehabilitation of Storm Sewers• 078-T-18 Supply and Delivery of Top Dressing• 084-T-18 Supply and Delivery of Fertilizer
Highest Ranked / Lowest Priced Supplier	<ul style="list-style-type: none">• 265-Q-17 Gateway Master Plan
Second Lowest Priced Supplier	<ul style="list-style-type: none">• 264-Q-17 Installation of Basketball Court at Benjamin Marr Park• 082-T-18 Grass Cutting and Maintenance Service for Cemeteries
Non-Competitive Supplier	<ul style="list-style-type: none">• 113-R-13 Supply and Delivery of Curbside Green Bins - Contract Extension• 007-S-18 Supply and Delivery of a Valve Maintenance Trailer
Sole Bidder	<ul style="list-style-type: none">• 024-T-18 Clatworthy Arena Compressor Replacement2

Corporate Services

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none">• 041-Q-17 Security Lighting Replacement at Markham Village Library
Non-Competitive Supplier	<ul style="list-style-type: none">• 079-S-18 Upgrading the EnRoute Computer Aided Dispatch (CAD) System

Development Services

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none">• 280-T-17 Construction of Whistling Cessation Measures - Phase 2 of 3• 061-Q-18 Architectural Consulting Services, Cornell Community Park Pavilion and Washroom Building• 062-Q-18 Architectural Consulting Services, Wismer Community Park Pavilion and Washroom Building
Highest Ranked/ Lowest Priced Supplier	<ul style="list-style-type: none">• 052-R-18 Consulting Engineering Services for the 2018 Illumination Program

2018-05-15

X 

Joel Lustig
Treasurer
Signed by: cxa

2018-05-15

X 

Trinela Cane
Commissioner, Corporate Services
Signed by: cxa

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

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	008-T-18 Material Testing
Date:	April 24, 2018
Prepared by:	Patti Malone, Senior Buyer, ext. 2239 Zoyeb Vahora, Operations Supervisor, ext. 2275

PURPOSE/BACKGROUND

To obtain approval to award the contract for material testing for a ONE (1) year period with an option to renew for three (3) years at the same itemized pricing.

Materials testing is required to carry out quality assurance testing on various projects, but, primarily is used to ensure compliance with material and placement specifications relating to concrete and asphalt materials placed by contractors performing road maintenance and rehabilitation work for the City.

RECOMMENDATION

Recommended Supplier	SAFFA Engineering Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 31,000.00	See Financial Considerations
Less cost of award	\$ 30,370.27	Inclusive of HST for 2018
	\$ 30,370.27	Inclusive of HST for 2019*
	\$ 30,370.27	Inclusive of HST for 2020*
	\$ 30,370.27	Inclusive of HST for 2021*
	\$ 121,481.08	Total Cost of Award
Budget Remaining after this award	\$ 629.73	**

*Subject to Council approval of the 2019 – 2021 budgets.

** The budget remaining in the amount of \$629.73 will be returned to the original funding source in project #18309 Concrete Restoration.

BID INFORMATION

Advertised	ETN
Bids closed on	April 16, 2018
Number picking up bid documents	13
Number responding to bid	9

PRICE SUMMARY (Inclusive of HST)

Suppliers	Bid Price (including HST impact)
SAFFA Engineering Inc	\$30,370.27
Sirati & Partners Consultants Ltd	\$44,629.90
SNC Lavalin GEM Ontario Inc.	\$51,923.04
DS Consultants Ltd.	\$54,999.24
Golder Associates Ltd.	\$57,497.20
Wood Environment & Infrastructure Solutions, a Division of Wood Canada Limited	\$63,998.90
Engtec Consulting Inc.	\$66,428.93
exp Services Inc.	\$91,102.17
Peto MacCallum Ltd.	\$94,206.36

Note: As compared to the 2014-17 contract, this contract represents a 41.2% decrease in price and the unit costs are firm fixed until 2021.

OPERATING BUDGET AND LIFECYCLE IMPACT

Account Name	Account #	Original Budget	Commitments	Budget Available	Amount to Allocate to this project	Cost of Award	Budget Remaining
Material Testing	050-6150-18312-005	\$ 25,000	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ -
Concrete Restoration	050-6150-18309-005	\$ 2,150,000	\$ 1,992,528	\$ 157,472	\$ 6,000	\$ 5,370	\$ 630
Totals:		\$ 2,175,000	\$ 1,992,528	\$ 182,472	\$ 31,000	\$ 30,370	\$ 630

The budget remaining of \$629.73 in project #18309 – Concrete Restoration will returned to the original funding source.

There is no incremental impact to the operating budget and Life Cycle Reserve Study.

ENVIRONMENTAL CONSIDERATIONS

N/A



STAFF AWARD REPORT

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To:	Andy Taylor, Chief Administrative Officer
Re:	026-T-18 Road Rehabilitation Program-Restoration of Concrete Curb and Sidewalk
Date:	March 7, 2018
Prepared by:	John Hoover, Supervisor, Contract Administration, Ext. 4808 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE/BACKGROUND

The purpose of this report is to obtain approval to award the contract for road rehabilitation program restoration of concrete curb and sidewalk for one (1) year with an option to extend the contract for four (4) additional years at one (1) year increment and based on the contractor's performance at the sole discretion of the City.

The first three (3) years will be firm fixed and the remaining two (2) years will be adjusted in accordance with All-items Consumer Price Index (CPI) Canada. The Purchase Orders in year 4 and 5 will be adjusted accordingly and changes to budgets will be considered as part of the annual budget process. The annual escalation is not to exceed by 3%.

RECOMMENDATION

Recommended Supplier	De Ferrari Construction Limited (Lowest Priced Supplier)	
Current Budget Available	\$ 2,148,000.00	Various Accounts (see Financial Considerations)
Less cost of award*	\$ 2,020,582.18 \$ 2,020,582.18 \$ 2,020,582.18 \$ 2,020,582.18 <u>\$ 2,020,582.18</u> \$ 10,102,910.90	2018 Cost of Award (Inclusive of HST) 2019 Cost of Award (Inclusive of HST)* 2020 Cost of Award (Inclusive of HST)* 2021 Cost of Award (Inclusive of HST)* 2022 Cost of Award (Inclusive of HST)* Total Cost of Award
Budget Remaining after this award	\$ 127,417.82	**

*Subject to Council approval of the 2019-2022 budget approval.

**The remaining balance of \$127,417.82 will be returned to funding source.

BID INFORMATION

Advertised	ETN
Bids closed on	March 5, 2018
Number picking up bid documents	26
Number responding to bid	12

PRICE SUMMARY (Inclusive of HST)

Suppliers	Bid Price
De Ferrari Construction Limited	\$2,020,582.18
VBN Paving Limited	\$2,101,903.68
Sanscon Construction Ltd	\$2,502,074.88
RA Crete-Scape Ltd.	\$2,504,186.40
Aqua Tech Solutions Inc	\$2,609,015.48
Vaughan Paving Ltd.	\$2,636,830.56
Four Seasons Site Development Ltd.	\$2,708,088.00
Pave-Tar Cconstruction Ltd.	\$2,822,695.20
D. Martino Construction Limited	\$2,901,482.88
Peltar Paving & General Contracting Company LTD	\$2,944,374.72
Aloia Bros. Concrete Contractors Ltd.	\$3,142,385.43
Dig-Con International Limited	\$4,426,152.96

PRICE SUMMARY (Inclusive of HST)

Note: As compared to the previous contract (2013-2017), this contract represents an approximate 1.25% decrease for the first three years of the contract.

FINANCIAL CONSIDERATIONS

Account #	Description	Original Budget	Budget Available	Budget Allocated for this Award	Cost of Award	Budget Remaining
050-6150-18200-005	2018 Asphalt Resurfacing - Concrete	\$2,512,776.00	\$2,341,121.00	\$2,120,000.00	\$1,992,582.18	\$127,417.82
050-6150-18212-005	2018 Parking Lot Rehabilitation	\$383,500.00	\$383,500.00	\$28,000.00	\$28,000.00	\$0.00

This is part of the City's annual pavement rehabilitation and preservation program to keep the road in state of good repair as well as extending its life cycle. The balance remaining in the amount of \$127,417.82 will be returned to funding source.

OPERATING BUDGET AND LIFECYCLE IMPACT

The impact to the Life Cycle Reserve Study for the year 2018 to 2022 will be a total saving of \$953,324.20 (assuming that CPI increases of 2% per year for the year 2018 to 2022). There is no incremental operating budget impact.

ENVIRONMENTAL CONSIDERATION

A number of strategies within the Road Rehabilitation Program are environmentally friendly. The use of recycled crush concrete is allowed for as an aggregate subbase thereby reducing the use of new natural aggregate resources and eliminating associated extraction and production costs. The contract also stipulates having all excavated granular material disposed of at an approved materials recycling facility to ensure such materials can be reused extending the material lifecycle.



STAFF AWARD REPORT

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	031-Q-18 Tennis Court Resurfacing at Simonston Park
Date:	April 17, 2018
Prepared by:	James Bingham, Supervisor, Park Operations, Ext. 7997 Patti Malone, Senior Buyer, Purchasing Ext. 2239

PURPOSE/BACKGROUND

To obtain approval to award the contract for court resurfacing of four (4) courts at Simonston Park.

The City's current practice is to utilize a liquid penetration asphalt applied in layers along with a small granular material, topped off with a fiberglass membrane. In discussions with the German Mills Tennis Club, the City has agreed to use an alternative material applying latex cement under coating and an acrylic resurface for the four (4) courts at Simonston Park.

This is a pilot project for this location only and Staff will monitor durability and deterioration rate over the next 2-3 years.

RECOMMENDATION

Recommended Supplier	Colour-Court Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 50,400.00	059-6150-18224-005 Court Resurfacing Reconstruction
Less cost of award	\$ 62,073.60	Bid Price including HST impact
	\$ 3,103.68	5% Contingency
	\$ 65,177.28	Total Award including HST impact
Budget Remaining after this award	(\$ 14,777.28)	*

* As per the tennis club policy, the total cost of court resurfacing will be shared equally between the City and tennis clubs. Therefore, 50% of the total budget shortfall \$7,388.64 (\$14,777.28 x 50%) will be funded from the Non-DC Capital Contingency Account. The remaining amount of \$7,388.64 will be funded by the German Mills Tennis Club. The City has reviewed the Club's 2017 financial statement and has determined that the Club has the financial means to pay for their share of the project cost.

The shortfall can be attributed to one-time removal and disposal of the fiberglass materials, which was not included in the 2018 approved capital project. Staff anticipates that the future resurfacing costs will be comparable to the City's current resurfacing practice.

BID INFORMATION

Advertised	ETN (Electronic Tendering Network)
Bids closed on	February 28 th , 2018
Number picking-up the bid	4
Number responding to bid	2

Note: Two bidders submitted a no bid as they could not provide a three (3) year warranty as required.

PRICE SUMMARY

Suppliers	Bid Price (including HST impact)
Colour-Court Inc.	\$64,108.80*
Court Contractors Ltd	\$73,267.20

Note: As outlined in Section 17.2 of the City's General Terms and Conditions, "The City reserves the right, in its sole discretion, to negotiate with the lowest priced Supplier...in the event that the Bid prices submitted by the Suppliers exceed the City's budget..." Staff negotiated a price reduction of \$2,035.20 revising the bid price from \$64,108.80 to \$62,073.60.

OPERATING BUDGET AND LIFECYCLE IMPACT

There is no incremental impact to the operating budget and lifecycle reserve study.

ENVIRONMENTAL CONSIDERATIONS

N/A



STAFF AWARD REPORT

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To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	038-T-18 Rental of Portable Toilets
Date:	May 15, 2018
Prepared by:	James Bingham, Supervisor, Parks – Cultural Practices Area 2, Ext. 7997 Luke Hiltz, Community Program Coordinator, Ext.4340 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE/BACKGROUND

To obtain approval to award the contract for the rental of portable toilets for one (1) year with option to renew for an additional Four (4) years at the same itemized pricing. Under this contract, there will be 46 wheel chair accessible portable toilets at 37 park locations to be serviced twice a week and 8 portable toilets (with 1 being wheel chair accessible) at Camp Chimo for 8 toilets, 1 hand washing station and 1 trailer to be serviced once a week.

RECOMMENDATION

Recommended Supplier	Super Save Toilet Rentals Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 43,000.00	730-732-5399 Rental of Portable Toilets
	\$ 8,975.00	503-932-5539 Camp Chimo Rentals
	\$ 51,975.00	Total Budget
Less cost of award	\$ 49,894.00	2018 Inclusive of HST
	\$ 49,894.00	2019 Inclusive of HST *
	\$ 49,894.00	2020 Inclusive of HST*
	\$ 49,894.00	2021 Inclusive of HST*
	\$ 49,894.00	2022 Inclusive of HST*
	\$ 249,470.00	Total Award Inclusive of HST
Budget Remaining after this award	\$ 2,081.00	**

* Subject to Council approval of the annual 2019 to 2022 operating budgets.

** The budget remaining in the amount of \$2,081 (\$1,449 for Camp Chimo and \$632 for Parks) will be reported as part of the 2018 results of operations.

BID INFORMATION

Advertised	ETN
Bid closed on	April 5, 2018
Number picking up document	6
Number responding to bid	3

PRICE SUMMARY (Inclusive of HST)*

Suppliers	Parks - Two Services Per Week Bid Price	Camp Chimo - One Service Per Week Bid Price	Total Bid Price
Super Save Group of Companies	\$42,368.34	\$7,525.66	\$49,894.00
Chantler's Environmental Services Ltd.	\$121,353.89	\$19,873.73	\$141,227.62
Ford on site services o/a nature's call	\$131,906.40	\$12,109.44	\$144,015.84

* Compared to the previous contract, the Parks total requirement for 46 toilets for 22 weeks has been reduced to 41 toilets for 22 weeks and the remaining 5 toilets to be serviced for 27 weeks. Also, Camp Chimo has reduced the service level requirement for toilet cleaning from twice a week to once a week. All toilets at Park locations will now be fully accessible for people with disabilities, resulting in a price increase of \$10 per unit per week.

FINANCIAL CONSIDERATIONS

Account Name	Account #	Original Budget	Year to date spend	Budget Available	Budget Allocated for this Project	Cost of Award	Budget Remaining / (Shortfall)
Operations - Parks - Contracted Services	730-732-5399	\$ 131,579	\$ 4,734	\$ 126,845	\$ 43,000	\$ 42,368	\$ 632
Recreation - Miscellaneous Rental/Lease	503-932-5539	\$ 8,975	\$ -	\$ 8,975	\$ 8,975	\$ 7,526	\$ 1,449
Totals:		\$ 140,554	\$ 4,734	\$ 135,820	\$ 51,975	\$ 49,894	\$ 2,081

The budget remaining in the amount of \$2,081 will be reported as part of the 2018 results of operations.

OPERATING BUDGET AND LIFECYCLE IMPACT

There is no incremental impact to the operating budget and the Life Cycle Reserve Study.

ENVIRONMENTAL CONSIDERATIONS

N/A



STAFF AWARD REPORT

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To:	Andy Taylor, Chief Administrative Officer
Re:	045-T-18 Erosion Restoration at Pomona Mills Creek and Don Mills Channel
Date:	April 20, 2018
Prepared by:	Alan Manlucu, Project Engineer, Ext. 2374 Flora Chan, Senior Buyer, Ext. 3189

PURPOSE/ BACKGROUND

To obtain approval to award the contract for Erosion Restoration at Pomona Mills Creek and Don Mills Channel.

The City of Markham has several kilometers of permanent flowing watercourses within its boundaries. In 2016 and early 2017, City staff have undertaken inspection works along these watercourses to establish existing and potential future erosion conditions in the City's watercourses and to identify potential restoration strategies. The inspections identified and prioritized a list of sites with specific erosion problems in Pomona Mills Creek and Don Mills Channel deemed to require remedial works in the immediate future.

The eroded sites require immediate restoration as they pose a risk to the pedestrian pathways in Royal Orchard Park and private property adjacent to Don Mills Channel. These sites qualify for City funding under Group '1' (Public ownership) and Category 'A' (Erosion problems within private property which are the results of altered flow regimes due to upstream development) as per Council resolution dated August 11, 2016.

The project will commence in July 2018 and is anticipated to be completed by November 2018.

RECOMMENDATION

Recommended Supplier	Dynex Construction Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 441,250.00	750-101-5699-17194 Erosion Restoration Program
Less cost of award	\$ 394,647.69	Cost of Award
	\$ 39,464.77	Contingency (10%)
	\$ 434,112.45	Total Award (inclusive of HST Impact)
Budget Remaining after this award	\$ 7,137.55	*

*The remaining funds of \$7,137.55 will be returned to the original funding source.

BID INFORMATION

Advertised	ETN
Bids closed on	April 17, 2018
Number picking up bid documents	8
Number of Suppliers responding to bid	8

PRICE SUMMARY (inclusive of HST)

Suppliers	Bid Price	Provisional Items*	Total Price
Dynex Construction Inc.	\$ 339,620.97	\$ 55,026.72	\$ 394,647.69
Hawkins Contracting Services Limited	\$ 362,018.84	\$ 74,793.60	\$ 436,812.44
R&M Construction	\$ 417,776.00	\$ 36,124.80	\$ 453,900.80
Orin Contractors Inc.	\$ 476,580.24	\$ 67,670.40	\$ 544,250.64
Barcon Construction Inc	\$ 488,374.75	\$ 164,037.12	\$ 652,411.87
1459475 Ontario Inc. O/A Nick Marych Contracting	\$ 621,112.49	\$ 174,693.43	\$ 795,805.92
2220742 Ontario Ltd o/a Bronte Construction	\$ 630,016.51	\$ 26,864.64	\$ 656,881.15
Pine Valley Corporation	\$ 1,170,166.73	\$ 79,796.12	\$ 1,249,962.85

*Bid includes \$55,026.72 of provisional items for: (a) asphalt trail and parking lot restoration, (b) retention of certified biologist, and (c) migratory bird survey. The requirement for the provisional items is unknown at this time, however any unused funds will be returned to the original funding source.

OPERATING BUDGET AND LIFECYCLE IMPACT

The next restorations at these sites are anticipated to be beyond 25 years and therefore there is no incremental life cycle impact.

There is no incremental operating budget impact.

ENVIRONMENTAL CONSIDERATIONS

Erosion restoration reduces downstream sedimentation and improves water quality and fish habitat while contributing to a sustainable, healthy ecosystem that is in line with the City's Greenprint initiative. The restoration construction will endeavour to restore the natural form and function of both Pomona Mills Creek and Don Mills Channel system while limiting the hazards to the existing infrastructure. Special consideration will be given to improving aquatic habitat targeting Redside Dace which is protected under the Endangered Species Act (ESA) 2007.



STAFF AWARD REPORT

To:	Phoebe Fu, Director of Environmental Services
Re:	046-Q-18 Contract Administration Services for Rehabilitation of Storm Sewers
Date:	April 18, 2018
Prepared by:	Philip Zhang, Engineering Design Assistant, ext. 2477 Flora Chan, Senior Buyer, ext. 3189

PURPOSE & BACKGROUND

To obtain approval to award the contract administration and construction inspection services for repairs of existing storm sewers at twenty-two (22) locations.

The City of Markham carried out closed – circuit television (CCTV) inspection for storm sewer pipes. Based on the CCTV inspection, storm sewer pipes at twenty-two (22) locations were identified with significant defects and need to be repaired in 2018.

The period of contract administration services for the storm sewers construction is from June to September 2018.

RECOMMENDATION

Recommended Supplier	Exp Services Inc. (Lowest Priced Supplier)	
Budget Available	\$ 76,200.00	058-6150-18276-005 Storm Sewer Pipe - Rehabilitation
Less Cost of Award	\$ 65,956.74	Cost of Award
	\$ 6,595.67	Contingency (10%)
	\$ 72,552.41	Total Cost of Award (Inclusive of HST)
Budget Remaining after this award	\$ 3,647.59	*

*The remaining balance of \$3,647.59 will be returned to the original funding source.

BID INFORMATION

Advertised	By invitation
Bids closed on	April 6, 2018
Number picking up bid documents	4
Number responding to bid	2*

*No bid was mainly due to resource availability and present workload.

PRICE SUMMARY (Inclusive of HST)

Suppliers	Price
Exp Services Inc.	\$ 65,956.74
Associated Engineering (Ont.) Ltd.	\$ 66,339.38

OPERATING BUDGET AND LIFECYCLE IMPACT

The stormwater pipes and associated infrastructure is estimated to last 100 years. As such, there is no incremental impact to the Life Cycle Reserve Study over the next 25 years. There is no incremental operating budget impact.

ENVIRONMENTAL CONSIDERATIONS

Not applicable



STAFF AWARD REPORT

o:	Andy Taylor, Chief Administrative Officer
Re:	077-T-18 Rehabilitation of Storm Sewers
Date:	April 18, 2018
Prepared by:	Philip Zhang, Engineering Design Assistant, ext. 2477 Flora Chan, Senior Buyer, ext. 3189

PURPOSE /BACKGROUND

To obtain approval to award the contract for the rehabilitation of storm sewers at twenty-two (22) locations.

The scope of work under this contract consists of the following tasks:

- CCTV inspection (pre-installation and post-rehabilitation) for storm sewers
- Dewatering and storm sewer flow control where required
- Sewer cleaning and flushing
- Sewer CIPP lining
- Sewer pipe joint sealing, patching, and grouting
- Sewer pipe repairs at lateral connections

The construction period is scheduled from June to September 2018.

RECOMMENDATION

Recommended Supplier	D.M. Robichaud Associates Ltd. (Lowest Priced Supplier)	
Current Budget Available	\$ 453,200.00	058-6150-18276-005 Storm Sewer Pipe - Rehabilitation
Less cost of award	\$ 331,890.24	Cost of Award
	\$ 33,189.02	Contingency @ 10%
	\$ 365,079.26	Total Cost of Award (Inclusive of HST)
Budget Remaining after this award	\$ 88,120.74	*

* The remaining balance of \$88,120.74 will be returned to the original funding source.

BID INFORMATION

Advertised	ETN
Bids closed on	April 11, 2018
Number picking up bid documents	11
Number responding to bid	7

PRICE SUMMARY (Inclusive of HST)

Suppliers	Price
D.M. Robichaud Associates Ltd.	\$ 331,890.24
PipeFlo Contracting Corp.	\$ 417,216.00
Nieltech Services Ltd.	\$ 456,944.32
Capital Sewer Services Inc.	\$ 491,368.48
Services Infraspac Inc.	\$ 522,787.93
Clearwater Structures Inc. and Municipal Sewer Services.	\$ 647,512.11
Fjordfusion	\$ 967,510.68

OPERATING BUDGET AND LIFECYCLE IMPACT

The stormwater pipes and associated infrastructure is estimated to last 100 years. As such, there is no incremental impact to the Life Cycle Reserve Study over the next 25 years. There is no incremental operating budget impact.

ENVIRONMENTAL CONSIDERATIONS

Trenchless technology is less invasive and has a vastly reduced impact on its surroundings.



STAFF AWARD REPORT

To:	Andy Taylor, Chief Administrative Officer
Re:	078-T-18 Supply and Delivery of Top Dressing
Date:	April 17, 2018
Prepared by:	James Bingham, Supervisor, Parks West Patti Malone, Senior Buyer, Purchasing

PURPOSE/BACKGROUND

To obtain approval to award the contract for the supply and delivery of top dressing for one (1) year with an option to renew for two (2) years at the same itemized pricing.

RECOMMENDATION

Recommended Supplier	Brock Aggregates Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 132,200.00	700-101-4299-18240 Sportsfield Maintenance
	<u>\$ 34,986.00</u>	730-732-5415 Sportsfield Maintenance
	\$ 166,386.00	Total
Less cost of award	\$ 163,340.06	2018 (Inclusive of HST)
	\$ 163,340.06	2019 (Inclusive of HST)*
	<u>\$ 163,340.06</u>	2020 (Inclusive of HST)*
	\$ 490,020.18	Total
Budget Remaining after this award	\$ 3,045.94	** (\$166,386.00 - \$163,340.06)

* Subject to Council approval of the 2019-2020 budget.

** The remaining funds of \$3,045.94 is subject to change based on actual requirements.

BID INFORMATION

Advertised	ETN (Electronic Tendering Network)
Bids closed on	April 16, 2018
Number of bidders picking up the document	8
Number responding to bid	3

PRICE SUMMARY (including HST impact)

Suppliers	Bid Price
Brock Aggregates Inc.	\$163,340.06
Cliffords Haulage Limited	\$179,275.68
Hermanns Contracting Limited	\$344,209.31

* Prices are based on an estimate of 8,700 cubic yards per year.

Note: As compared to the previous contract (2015-2017), this contract pricing is the same and will remain fixed until 2020.

OPERATING BUDGET AND LIFECYCLE IMPACT

There is no incremental impact to the operating budget and the life cycle reserve.

ENVIRONMENTAL CONSIDERATIONS

The City procures organic top dressing blend derived from a well decomposed organic source.



STAFF AWARD REPORT

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	084-T-18 Supply and Delivery of Fertilizer
Date:	April 24, 2018
Prepared by:	James Bingham, Supervisor, Parks West Patti Malone, Senior Buyer, Purchasing

PURPOSE/BACKGROUND

To obtain approval to award the contract for the supply and delivery of fertilizer for one (1) year with an option to renew for two (2) years at the same itemized pricing.

RECOMMENDATION

Recommended Supplier	Holmes Agro (Lowest Priced Supplier)	
Current Budget Available	\$ 67,668.00	730-732-4410 Fertilizer
	<u>\$ 7,000.00</u>	730-732-5415 Sports field Maintenance
	\$ 74,668.00	Total Budget allocated for this award
Less cost of award	\$ 64,210.56	2018 (Inclusive of HST)
	\$ 64,210.56	2019 (Inclusive of HST)*
	<u>\$ 64,210.56</u>	2020 (Inclusive of HST)*
	\$ 192,631.68	Total
Budget Remaining after this award	\$ 10,547.44	** (\$74,668.00 - \$64,210.56)

* Subject to Council approval of the 2019-2020 operating budgets.

** The remaining funds of \$10,547.44 may be utilized for additional fertilizer throughout the year. The award amount is based on an estimated quantity and is subject to change based on actual requirements.

BID INFORMATION

Advertised	ETN (Electronic Tendering Network)
Bids closed on	April 12, 2018
Number of bidders picking up the document	8
Number responding to bid	6

PRICE SUMMARY (including HST impact)

Suppliers	Bid Price
Holmes Agro	\$64,210.56
Alliance Agri-Turf Inc.	\$74,378.93
Nutrite a Division of Ferti Technologies	\$79,143.84
Speare Seeds Limited	\$84,155.52
Residex Canada Inc. (DBA Target Specialty Products)	\$85,834.56
Brett Young Seeds	\$1,539,883.20

* Prices are based on an estimate of 35,000 kg of 10-25-10 fertilizer and 50,000 kg of 33-3-6 fertilizer.

Note: As compared to the previous contract (2015-2017), this contract represents a decrease of 10.8% and the prices will remain fixed until 2020.

OPERATING BUDGET AND LIFECYCLE IMPACT

There is no incremental impact to the operating budget and the life cycle reserve.

ENVIRONMENTAL CONSIDERATIONS

N/A



STAFF AWARD REPORT

Page 1 of 2

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	265-Q-17 Gateway Master Plan
Date:	March 26, 2018
Prepared by:	Tanya Lewinberg, Public Realm Coordinator, Ext: 2700 Patti Malone, Senior Buyer, Ext: 2239

PURPOSE/BACKGROUND

To obtain approval to award the contract to hire a consultant to analyze and create conceptual designs as part of the gateway master plan.

RECOMMENDATION

Recommended Supplier	SGL Planning & Associates (Highest Ranked / Lowest Priced Supplier)	
Current Budget Available	\$ 60,000.00	059-5350-17158-005 Gateway Master Plan
Less cost of award	\$ 50,427.17	Award (Incl. of HST)*
	\$ <u>5,042.71</u>	Contingency @ 10%
	\$ 55,469.88	Total Cost of Award
Budget remaining after this award	\$ 4,530.12	*

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

BID INFORMATION

Advertised	ETN (Electronic Tendering Network)
Bids closed on	March 6, 2018
Number picking up bid document	6
Number responding to bid	2*

*Purchasing contacted bidders who picked up the document, however did not submit a bid. The following are the responses; two bid takers could not bid due to current work load, one bid takers did not have the experience, and one bid taker determined the upset limit was too low for this project.

PROPOSAL EVALUATION

The Evaluation Team was comprised of staff from the Operations and facilitated by staff from the Purchasing Department. The evaluation was based on pre-established evaluation criteria as outlined in the Request for Quotation; qualifications and experience of consulting firm 20%, demonstrated understanding of the projects 30%, and project management 20% totaling 70%.

Suppliers	Total Score (100 points)	Overall Ranking
SGL Planning & Associates	95.5	1
NAK Design Strategies	41.76	2

Note: Bid prices ranged from \$50,427.17 to \$73,528.06 including the HST impact.

Staff recommending the highest ranked/lowest priced bidder SGL Planning & Associated who demonstrated a good understanding of the project, provided an experienced and illustrated a comprehensive plan and methodology for the project.

OPERATING BUDGET AND LIFECYCLE IMPACT

There is no incremental impact to operating budget and Life Cycle Reserve Study.

ENVIRONMENTAL CONSIDERATIONS

N/A

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

To:	Andy Taylor, Chief Administrative Officer
Re:	264-Q-17 Installation of Basketball Court at Benjamin Marr Park
Date:	April 26, 2018
Prepared by:	Marlise Akazawa-Eguchi, Park Renaissance Planner, Operations, ext. 2184 Patti Malone, Senior Buyer, Purchasing, ext. 2239

PURPOSE/BACKGROUND

To obtain approval to award the contract for the installation of a basketball court at Benjamin Marr Park.

The work includes grading, landscaping, drainage, site furnishing and court construction using asphalt. The work is to be completed by June 29, 2018.

RECOMMENDATION

Recommended Supplier	Mopal Construction Limited (Second Lowest Priced Supplier)	
Current Budget Available	\$ 105,000.00	See Financial Considerations section
Less cost of award	\$ 95,367.69	Award inclusive of HST
	\$ 9,536.76	10% Contingency
	\$ 104,904.45	Total Award inclusive of HST
Budget Remaining after this award	\$ 95.55	*

* The budget remaining in the amount of \$95.55 will be returned back to the original funding source in project #17320 Basketball Nets.

BID INFORMATION

Advertised	ETN (Electronic Tendering Network)
Bids closed on	April 17, 2018
Number of bidders picking up the document	13
Number responding to bid	8

PRICE SUMMARY (including HST impact)

Suppliers	Bid Price
Buildscapes Construction Ltd.	\$53,838.35*
Mopal Construction Limited	\$95,367.69
Rocky River Construction Limited	\$99,185.72
Pine Valley Corporation	\$102,330.11
Hawkins Contracting Services Limited	\$113,610.69
Bond Paving & Construction Inc	\$119,447.16
Greenspace Landscaping and Property Services Inc.	\$120,982.21
M & S Architectural Concrete Ltd.	\$125,973.44

***Buildscapes Construction Ltd. (not recommended)**

Staff recommends not awarding this contract to the lowest priced supplier. In accordance with Purchasing By-Law 2017-8, Part II, Section 1 (6) "The City reserves the right not to accept the lowest or any bid submitted, if such action is deemed to be in the best interests of the City."

The lowest priced supplier requested their bid submission be withdrawn due to their submission having been grossly miscalculated. Their Bid was substantially lower than all other suppliers (lowest priced supplier \$53,838.35 including HST impact versus other suppliers' pricing ranged from \$95,367.69 - \$125,973.44 including HST impact).

PRICE SUMMARY (including HST impact) CONTINUED

Staff is concerned of the inherent risks associated with awarding a contract to a contractor who has underpriced the work. The City's *General Terms and Conditions* do not permit the withdrawal of a bid after Bid closing however the City has the discretion not to award to the lowest bidder, if such action is deemed to be in the best interest of the City.

****Mopal Construction Limited (Recommended)**

Staff recommends awarding the contract to the second lowest priced supplier - Mopal Construction Limited - whose internal evaluations are satisfactory to the City.

OPERATING BUDGET AND LIFECYCLE IMPACT

Account Name	Account #	Oroiginal Budget	Budget Available	Amount to Allocate to this project	Cost of Award	Budget Remaining
Growth Related Parks Improvements	700-101-5399-16170	1,159,366	687,844	100,000	100,000	-
Basketball Nets	059-6150-17320-005	5,000	5,000	5,000	4,904	96
Totals:		1,164,366	692,844	105,000	104,904	96

The budget remaining in the amount of \$95.55 will be returned back to the original funding source in project #17320 Basketball Nets.

There is no incremental impact to the operating budget.

This court location will be added to the next update of the Life Cycle Reserve study; with a useful life of 10 years, the incremental impact will be \$209,809 over the next 25 years (\$104,904.45 x 2 replacements).

ENVIRONMENTAL CONSIDERATIONS

The contract includes a section on environmental protection and ensures the project is conducted in compliance with the general "reduce, reuse and recycle" procedures to protect our environment.

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

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	082-T-18 Grass Cutting and Maintenance Service for Cemeteries
Date:	April 24, 2018
Prepared by:	David Plant, Parks Manager, Ext. 4893 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE/BACKGROUND

To obtain approval to award the contract for grass cutting and maintenance service for the City's cemeteries for ONE (1) year with an option to renew for an additional TWO (2) years on a year to year basis at the same itemized prices.

This maintenance includes grass cutting, trimming, removal of debris and the mulching of leaves.

The period of work will be from April 15th until November 15th.

RECOMMENDATION

Recommended Supplier:	Forest Ridge Landscaping Inc. (Second Lowest Priced Supplier)	
Budget Allocated for this Award	\$ 38,385.00	210-210- 5499 Cemetery Grass Cutting
Less cost of award:	\$ 19,491.97	2018 including HST impact
	\$ 19,491.97	2019 including HST impact*
	\$ 19,497.97	2020 including HST impact*
	\$ 5,849.37	Contingency 10% (\$1,949.79/year x 3 years)
	\$ 64,325.29	Total Award
Budget Remaining after this award:	\$ 16,943.24	**

*Subject to Council approval of the 2019 and 2020 operating budgets.

**The remaining funds in the amount of \$16,943.24 may be utilized for additional grass cutting and/or maintenance. The number of cuts required for each cemetery is approximate and may be increased or decreased at the discretion of the City.

If the awarded supplier is unable to fulfill the terms of the contract, the Director of Operations and the Senior Manager of Purchasing be authorized to award the contract to the next lowest bidder.

BID INFORMATION

Advertised	ETN
Bid closed on	April 12, 2018
Number picking up document	23
Number responding to bid	17

PRICING SUMMARY (includes HST Impact)

Suppliers	Bid Price
Gardion Property Services	\$12,829.72*
Forest Ridge Landscaping Inc.	\$19,491.97
Beaver Window & Awning Cleaners	\$19,991.77
Traz Landscaping & Property services	\$20,791.44
Markham Property Services ltd.	\$22,330.81
Ibrahim Nassri Trading Inc.	\$23,190.46
Picasso Construction Inc.	\$25,989.30
Galaxy Landscaping	\$26,988.89
ViRi Property Services Inc.	\$30,487.45
Cedarbrook Landscaping Limited	\$33,579.17

PRICING SUMMARY (includes HST Impact) CONTINUED

Suppliers	Bid Price
Sunrise Landscaping and Flagstone Specialists Ltd.	\$38,634.10
Lima's Gardens & Construction Inc.	\$47,369.50
Vista Landscaping Limited	\$59,255.60
1073836 Ontario Inc. O/A RSD Contracting	\$59,475.51
1611964 Ontario Ltd	\$62,974.08
TNT Services Plus Inc	\$76,818.38
DFC Maintenance Group Ltd.	\$209,913.58

***Gardion Property Services (not recommended)**

Staff recommends not awarding this contract to the lowest priced bidder. In accordance with Purchasing By-Law 2017-8, Part II, Section 1 (6) "The City reserves the right not to accept the lowest or any bid submitted, if such action is deemed to be in the best interests of the City."

The lowest priced bidder requested their bid submission be withdrawn due to their submission having been grossly miscalculated. Their Bid was substantially lower than all other bidders (lowest priced bidder \$12,829.72 including HST impact versus other bidders' pricing ranged from \$19,491.97 - \$209,913.58 including HST impact).

Staff is concerned of the inherent risks associated with awarding a contract to a contractor who has underpriced the work. This contract in the past has dealt with contractors withdrawing their submission due to the amount of work associated with trimming. The City's *General Terms and Conditions* do not permit the withdrawal of a bid after Bid closing however the City has the discretion not to award to the lowest bidder, if such action is deemed to be in the best interest of the City.

****Forest Ridge Landscaping Inc. (Recommended)**

Staff recommends awarding the contract to the 2nd lowest priced bidder Forest Ridge Landscaping Inc., whose references are satisfactory to the City.

Compared to the previous award (2015-2017), this recommended award represents an overall decrease by approximately 28.6%. This decrease can be attributed to a change in methodology for fall leaves. The previous contract required the vendor to clean (rake) and remove leaves, whereas, this contract requires the vendor to mulch the leaves using a lawnmower.

OPERATING BUDGET AND LIFECYCLE IMPACT

There is no incremental impact to the operating budget and life cycle reserve study.

ENVIRONMENTAL CONSIDERATIONS

Grass clippings will remain on grass area and be blown off driveways, walkways and memorials. Leaves will be mulched which provides nutrients to the grass and will biodegrade and disappear from the lawn by the following spring.



STAFF AWARD REPORT

To:	Andy Taylor, Chief Administrative Officer
Re:	113-R-13 Supply and Delivery of Curbside Green Bins - Contract Extension
Date:	April 17, 2018
Prepared by:	Bridget Mitchell, Supervisor, Waste Management Ext. 3710 Tony Casale, Senior Construction Buyer, Ext. 3190

PURPOSE/BACKGROUND

To obtain approval to extend the contract for the supply and delivery of 8,200 curbside green bins for one (1) additional years at the 2015-2017 itemized pricing.

Curbside green bins are purchased for resale to City of Markham residents on a cost recovery basis. The green bins are sold at Markham's four Community Recycling Depots and at Markham's four major community centres. Green bins are also delivered to new residential developments at occupancy through the Developer. The green bins are sold for \$23.50 to residents and the costs related to new residential development are charged to the Subdivision agreement.

RECOMMENDATION

Recommended Supplier	Orbis Canada Limited (Non Competitive Procurement)	
Current Budget Available	\$ 134,798.00	770 773 4132 Green Bins for resale
Less cost of award	\$ 128,833.04	(Incl. of HST)
Budget remaining after this award	\$ 5,964.96	*

* The remaining budget will be used for other operating expenses related to the organic diversion program promotion.

Staff further recommends:

That the tendering process be waived in accordance with Purchasing By-Law 2017-8, Part II, Section 11.1 (c) which states "when the extension of an existing Contract would prove more cost-effective or beneficial";

OPTIONS / DISCUSSION

Green bin providers have a limited supplier base that can meet the City's requirements and specifications. The previous three (3) competitive bids (2008, 2011 and 2012) resulted in receiving less than three (3) competitive bid submissions.

Orbis Canada Limited was the successful bidder on two separate occasions including the current contract established through the York Region Buyers Cooperative (CFRP 2012-10) which includes the Town of Newmarket, Town of Georgina, Town of Whitchurch-Stouffville, Town of Aurora, Town of East Gwillimbury, Township of King and the York Catholic District School Board. Orbis is also the provider for the City of Vaughan and Town of Richmond Hill.

The York Region Cooperative has provided confirmation that they have extended contract CFRP 2012-10 for one additional year and a new RFP will be issued later this year.

Staff negotiated with Orbis Canada and they have agreed to hold pricing for the additional year at the same 2015 pricing. The City has developed a positive working relationship with Orbis Canada and Waste Management staff are satisfied with their performance.

OPERATING BUDGET AND LIFECYCLE IMPACT

There is no incremental operating and life cycle impact.

ENVIRONMENTAL CONSIDERATIONS

The green bin is a fundamental waste management tool for Markham residents, which allows them to participate in the organic collection program. Organic separation and collection helps the City achieve its high waste diversion rate.



STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	007-S-18 Supply and Delivery of a Valve Maintenance Trailer
Date:	March 13, 2018
Prepared by:	Peter Englezakos, Supervisor, Fleet and Supplies, Ext. 4896 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE/BACKGROUND

To obtain approval to award the contract for the supply and delivery of one (1) Valve Maintenance Trailer.

This piece of equipment is specially designed for the maintenance and operation of the City's water distribution system valves. In accordance with Waterworks' best practices, a minimum of 25% of all in-service valves are to be activated (turned) on an annual basis. Valve turning extends asset life by approximately 10% and helps ensure valves are operational in the event of an emergency. There are presently in excess of 10,600 valves in the City's water distribution systems.

RECOMMENDATION

Recommended Supplier	Wachs Canada Ltd. (Non-competitive Procurement)	
Current Budget Available	\$ 29,124.00	057-6150-18251-005 Waterworks Fleet Replacement
Less cost of award	\$ 80,750.12	Total Award Inclusive of HST Impact
Budget Remaining after this award	\$ (51,626.12)	*

*The shortfall in the amount of \$51,626.12 will be funded from the Waterworks Contingency account.

The shortfall is due to the fact that the replacement value of this unit #2202 identified in the life cycle study was significantly lower than the actual replacement value. The original cost of unit # 2202 when purchased in 2005 was \$54,000. The Waterworks Life Cycle Reserve Study was established in 2007, and the cost the 2005 award was not reflected in the reserve study. Accounting for inflation at 2 per cent per year, this would provide a current replacement value of approximately \$70,000. Another factor in the 2005 cost was that the unit was a demonstrator unit, purchased at a reduced cost. The award amount under this report is for a new unit.

Staff further recommends:

That the tendering process be waived in accordance with Purchasing By-Law 2004-341, Part II, Section 7 (1) (b)" where there is only one source of supply for the goods to be purchased;

And

That the tendering process be waived in accordance with Purchasing By-Law 2017-8, Part II, Section 7 (1) (e) "Where the City is acquiring equipment, in which case the sources of supply may be identified based on technical specifications prepared by the User Department staff."

OPTIONS/DISCUSSIONS

Staff research revealed that a majority of municipalities purchase the Wachs product for this type of equipment. Market research indicated that Wachs remains the only known manufacturer of this type of all-inclusive valve maintenance trailer. Wachs is the sole source manufacturer and distributor of the only automated system of this type in the market. Due to its design, it can be operated by a single person and includes all the necessary equipment to make valve maintenance a safe and time efficient operation. Other units on the market require two operators which is inefficient and not cost effective.

Additionally, by staying with the Wachs product, Waterworks can transfer all the old data taken from 2005-2018 onto this new unit.

Cost comparison

A municipality awarded the same unit in 2017 at a cost of \$84,389.00, whereas, the City was able to negotiate a cost of \$80,750.12. Also, the City will receive a 350 gallon unit instead of the 250 gallon unit.

OPTIONS/DISCUSSIONS Continued)**Benefits of unit**

- Decreases the number of service interruptions annually involving depressurized watermain and households out of service
- Decreased costs associated with broken valves, and significant decrease in restoration costs, including asphalt, concrete, gravel and excavator charges, as well as staff time
- No need for utility locates, and risk of damage to other utilities is minimized
- The unit allows staff to exercise the valves at a more efficient pace while reducing possible physical injuries to employees, compared to exercising the valves manually, thus minimizing safety issues
- The unit provides personnel safety and ergonomics with the ability for the operator to stand clear of vehicular traffic

The trailer unit #2202 was purchased in 2005 with a life expectancy of 10 years. The life cycle was extended for an additional two years based on condition assessment and the unit must now be replaced.

Unit 2202 will be sold upon delivery of the new units in accordance with Purchasing By-law 2004-341, PART V, Disposal of Personal Property. Proceeds will be posted to account 890 890 9305 (proceeds from the Sale of Other Fixed Assets).

OPERATING AND LIFECYCLE IMPACT

There is no incremental impact to 2019 operating budget, as the impact of the new compact trailer has already been included in the 2018 operating budget. The compact trailer will be added to the City's Life Cycle Reserve Study as new inventory. The unit price of the valve maintenance trailer will be updated in the Life Cycle Reserve Study to reflect the new purchase price.

ENVIRONMENTAL CONSIDERATIONS

Ensuring a fully operational valve allows Staff to isolate a water main break, potentially resulting in reduced water loss, easier and less costly repairs, less property damage and faster repair.



STAFF AWARD REPORT

To:	Andy Taylor, Chief Administrative Officer
Re:	024-T-18 Clatworthy Arena Compressor Replacement
Date:	March 29, 2018
Prepared by:	Mario Puopolo, Community Facility Coordinator, Ext. 3788 Darius Chung, Senior Buyer, Ext. 2025

PURPOSE/BACKGROUND

To obtain approval to award the contract for the replacement of two existing compressors at the R.J.Clathworthy Arena. This mechanical equipment is critical in maintaining ice on the arena pad and has reached its 25 years life cycle. The current compressors have been in place since 1983 and are not repairable as parts have been discontinued in favour of newer, more energy efficient models.

Work to be completed by June, 2018.

RECOMMENDATION

Recommended Supplier	CIMCO Refrigeration (Sole Bidder)	
Current Budget Available	\$ 120,000.00	500-101-5399-18132 (Compressor Replacement)
Less cost of award	\$ 144,453.41	Inclusive of HST
Budget Remaining after this award	(\$ 24,453.41)	*

* The shortfall of \$24,453.41 will be funded from the Non-DC Capital Contingency account.

BID INFORMATION

Advertised	Electronic Tendering Network
Bids closed on	March 16, 2018
Number picking up bid documents	2
Number responding to bid	1

PRICE SUMMARY (Inclusive of HST)

Sole Bidder	Bid Price (Inclusive of HST)
CIMCO Refrigeration	\$154,629.41

*CIMCO Refrigeration's (CIMCO) bid price for this contract exceeded the City's initial budget estimates as a result of unforeseen additional work to remove and rebuild a wall as the existing doorway is too small to fit the newer compressors. Furthermore, the initial estimates for the compressors did not anticipate labour costs, transport, subcontractor work, testing, and installation costs to be so extensive.

As outlined in Section 17.2 of the City's General Terms and Conditions, "The City reserves the right, in its sole discretion, to negotiate with the lowest priced Supplier in the event that the Bid prices submitted by the Suppliers exceed the City's budget". Consequently, staff reviewed potential opportunities and entered into negotiations with CIMCO to reduce the price, in order to better meet the City's approved budget. Staff were able to reduce the price by \$10,176.00 (6.6% reduction) from \$154,629.41 to \$144,453.41.

OPERATING BUDGET AND LIFECYCLE IMPACT

There will be no impact to operation budget and life cycle impact.

ENVIRONMENTAL CONSIDERATIONS

Replacing the less efficient compressors with Smart-M compressors will achieve estimated energy savings of over \$1,347 per year starting in 2019. Furthermore, a one-time incentive of \$1,800 has been applied to this project.

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

To:	Graham Seaman, Director, Sustainability & Asset Management
Re:	041-Q-17 Security Lighting Replacement at Markham Village Library
Date:	March 19, 2018
Prepared by:	Khwaja Waker, Asset Coordinator, Sustainability & Asset Management Ext. 2636 Flora Chan, Senior Buyer, Purchasing Ext. 3189

PURPOSE/BACKGROUND

To obtain approval to award the contract for Security Lighting Replacement to address insufficient lighting at Markham Village Library. The scope of work includes:

- Replacement of existing five (5) light poles at the parking lot.
- Replacement of existing seven (7) bollard lights with new seven (7) pathway lights.
- Installation of six (6) new pathway lights along sidewalk at the entrance to the parking lot.

Estimated completion date of July 2018.

RECOMMENDATION

Recommended Supplier	Cameron Contracting (Lowest Priced Supplier)	
Current Budget Available	\$ 91,800.00	270-101-5399-17179 Corporate Security Operations & System Upgrades - Security Lighting at Markham Village Library
Less cost of award	\$ 82,878.43 \$ 8,287.84 \$ 91,166.27	(Includes HST) Contingency @ 10% Total Cost of Award
Budget remaining after award	\$ 633.73	*

* The budget remaining of \$633.73 will be returned to the original funding source.

BID INFORMATION

Advertised	ETN
Bid closed on	March 14, 2018
Number picking up document	15
Number responding to bid	7

PRICE SUMMARY (Inclusive of HST Impact)

Suppliers	Bid Price
Cameron Contracting	\$ 82,878.43
EM Electrical Services Ltd.	\$ 84,257.28
Langley Utilities Contracting Ltd.	\$ 98,879.77
MJK Construction	\$118,463.34
Fellmore Electrical Contractors Ltd	\$121,626.75
Cobra Power Inc.	\$127,169.07
BEC Electric Inc.	\$207,673.84

OPERATING BUDGET AND LIFECYCLE IMPACT

The newly installed high efficiency LED lights result in an energy savings of \$800 per year. This annual operating saving will be reflected in the 2019 operating budget.

Six (6) new pathway lights at \$1,225/light were added to the entrance to the parking lot at the Markham Village Library for a total of \$7,350. Each light consists of the pole (\$625 per pole) and LED light (\$600 per light). The pole has a lifecycle of 30 years and therefore there is no impact to the life cycle. The LED light has a useful life of 10 years and therefore the life cycle impact is \$7,200 (\$600 x 6 x 2 replacements) over a 25 year period. The life cycle reserve study will be adjusted accordingly.

ENVIRONMENTAL CONSIDERATIONS

Replacing the less efficient lights with high efficiency LEDs will achieve energy savings of over \$800 per year and a one-time incentive of \$1,100. All new fixtures are Dark Sky compliant. Existing light fixtures will be properly sorted and recycled.



STAFF AWARD REPORT

To:	Andy Taylor, Chief Administrative Officer
Re:	079-S-18 Upgrading the <i>EnRoute</i> Computer Aided Dispatch (CAD) System
Date:	March 28, 2018
Prepared by:	June Fry, ITS Client Advisor, Ext. 2539 Rosemarie Patano, Senior Construction Buyer, Ext 2990

PURPOSE/BACKGROUND

To award the contract for the upgrade of the *EnRoute* Computer Aided Dispatch (CAD) System used by Markham Fire & Emergency Services (MFES) from a text-based system to a Windows interface that provides richer functionality with current technology features.

RECOMMENDATION

Recommended Supplier	Infor Public Sector Inc (Non-Competitive Procurement)	
Current Budget Available	\$ 290,864.00	400-101-4299-18072 Fire Dispatch Upgrade
Less cost of award	\$ 285,310.72	(\$222,899 USD x 1.28 Fx)
Budget Remaining after this award	\$ 5,553.28	*

*The budget remaining will be used to cover a self-assessed HST in the amount of \$5,021.47. The remaining balance of \$531.81 will be returned to the original funding source.

Staff further recommends:

That the tendering process be waived in accordance with Purchasing By-Law 2017-08, Part II, Section 7 Non Competitive Procurement, item 1 (b) which states "Where there is only one source of supply for the goods to be purchased"

OPTIONS / DISCUSSIONS

Since 1986, the City has been using the dispatch system which has now become obsolete and Infor is currently providing limited support. The existing dispatch system is text based with limited on-screen character display resulting in the inability for dispatchers to view all call information on one screen. The upgraded graphical user interface (GUI) application will be capable of displaying more information and functionality which will lead to shorter call processing times and will positively impact response times. Additional benefits of this system are; faster data population, SMS messaging, mobile application, integration with external systems, coordination of response among multiple agencies, and more accurate GPS for routing. These features will equip the Fire & Emergency Services Department with the appropriate dispatch tool for their response to emergency calls.

The new version is compatible with Windows 10 Operating system and also has enhanced security features that will be an additional benefit to the City of Markham. The upgrade will decrease the existing annual maintenance fee by \$10,804 USD. The recommended upgrade of the *EnRoute* CAD System from text-based system to a Windows interface also aligns with the current ITS strategy: software to be no more than two major versions behind the current production release. This will ensure that the security of the software continues to be maintained at current levels.

EnRoute software and its related modules are proprietary to Infor Public Sector Inc. Retaining Infor Public Sector Inc. as the software vendor ensures that the supplied software and related database components and services will be configured to work properly in conjunction with the existing software as an integrated system. Undertaking a upgrade of the *EnRoute* CAD System is the most cost effective methodology, the option of a complete system replacement would be approximately 10 times the amount of this upgrade. The Fire & Emergency Department remains satisfied with the support that Infor Public Sector Inc. has provided and sees the upgrade as a positive and natural evolution of its current systems.

OPERATING BUDGET AND LIFECYCLE IMPACT

With the implementation of the upgrade, this will result in a reduction of the annual operating and maintenance cost of \$10,804 USD (approximately \$13,829 CAD) beginning in 2019. The necessary adjustment to the operating budget will be made as part of the 2019 operating budget process. There is no Life Cycle impact.

ENVIRONMENTAL CONSIDERATIONS

N/A

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

To:	Andy Taylor, Chief Administrative Officer
Re:	280-T-17 Construction of Whistling Cessation Measures (Phase 2 of 3)
Date:	April 27, 2018
Prepared by:	Julie Sharma, Senior Capital Works Engineer Ext. 2354 Tony Casale, Sr. Construction Buyer, Ext. 3190

PURPOSE/BACKGROUND**Construction Award (Item 1)**

To obtain approval to award the contract for whistling cessation measures on six (6) rail crossings in the City of Markham.

The safety enhancements at the railway crossings include the installation of pedestrian signal warning gates, maze barriers, warning signs, sidewalk improvements and pavement markings at the following locations;

Four Pedestrian Signal Warning Gates are to be installed at each of the following locations (Total of 16):

Highway 7	Between Sciberras Road and South Drive
McCowan Road	Between Bullock Drive and Raymerville Drive/Carlton Road
Bur Oak Avenue	Between Anderson Avenue and Cathmar Drive/Osmond Appleton Road
Kennedy Road	Between Austin Drive and Carlton Road

Four Maze Z Barriers are to be installed at each of the following locations (Total of 8):

Main Street Unionville	Between Maple Lane and Station Lane
Snider Drive	Between Bullock Drive and Station Street

The project is expected to commence in May 2018 and be substantially completed by July 13, 2018.

RECOMMENDATION

Recommended Supplier	Grascan Construction Ltd. (Lowest Priced Supplier)	
Current Budget Available	\$ 4,764,139.00	083-5350-17038-005 Anti-Whistling (Phase 2 – 3)
Less cost of award	\$ 1,180,416.00	Construction (Incl. of HST)*
	\$ 118,041.60	Contingency @ 10%
	\$ 1,298,457.60	Total Construction Award (Incl. of HST)
	\$ 144,622.58	Internal Construction Administration Fee
	\$ 1,443,080.18	Total Cost of Award
Budget Remaining after this award	\$ 3,321,058.82	**

*The award amount includes cash allowances in the amount of \$27,000 for utility locates, paid duty police, traffic protection and control and compaction and material testing by third parties.

**The remaining budget will be used for flagging, locates and to complete Phases 3 of 3 of the whistling cessation measures.

Flagging and Locate Services (Item 2)

Staff further recommends that the tendering process be waived in accordance with Purchasing By-Law 2017-8, Part II, Section 11.2 “Request for Tenders, may not be required for goods and services to be provided by any of the following:

“Provincial and Federal Government Agencies or Crown Corporations:”

To obtain approval to award the contract for flagging services in order to provide track protection services with the primary focus of providing trained and qualified employees to protect various civil works while Metrolinx’s commuter rail corridors and train services remain on schedule.

RECOMMENDATION

Recommended Supplier	Metrolinx (Non Competitive Procurement)	
Current Budget Available	\$ 3,321,058.82	083-5350-17038-005 Anti-Whistling (Phase 2 – 3)
Less Cost of Award	\$ 172,584.96	Flagging and Locate Services (Incl. of HST)*
Budget Remaining after this award	\$ 3,131,215.36	**

*The locate fees for the six crossings is \$1,628.16 x 6 locations = \$9,768.96 (Incl. of HST) and the flagging fee is \$1,628.16 per day based on an estimated 40 working days x 2.5 crews is \$162,816.00 (Incl. of HST).

*The remaining budget will be used to complete Phase 3 of 3 of the whistling cessation measures.

BID INFORMATION

Advertised	ETN
Bid closed on	April 23, 2018
Number picking up document	8
Number responding to bid	3

PRICE SUMMARY

Suppliers	Bid Price (Incl. of HST)
Grascan Construction Ltd.	\$ 1,180,416.00
Aqua Tech Solutions Inc.	\$ 1,348,877.55
Rafat General Contractor Inc.	\$ 2,494,405.74

OPERATING BUDGET AND LIFECYCLE IMPACT

The operating costs associated with City infrastructures (i.e. sidewalks) for this project are included in the City's base operating budget. The maze barriers and the pedestrian gates are to be inspected and maintained by the Road Authority (i.e. Markham or Region of York). These costs are currently being reviewed by staff with Metrolinx to confirm the costs. The Operations and Maintenance costs for the project will be identified at time of award for phase 3 of 3.

ENVIRONMENTAL CONSIDERATIONS

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



STAFF AWARD REPORT

To:	Biju Karumanchery, Director, Planning & Urban Design
Re:	061-Q-18 Architectural Consulting Services, Cornell Community Park Pavilion and Washroom Building
Date:	April 19, 2018
Prepared by:	Morteza Behrooz, Project Manager, Park Development, Ext. 5757 Rosemarie Patano, Senior Construction Buyer Ext. 2990

PURPOSE / BACKGROUND

To obtain approval to award the contract for architectural consulting services for the Cornell Community Park pavilion and washroom building.

RECOMMENDATION

Recommended Supplier	Ryan Company Architect Inc (Lowest Priced Supplier)	
Current Budget Available	\$ 118,682.69	081-5350-17017-005 Cornell Community Park
Less cost of award	\$ 48,793.92	Total award (Inclusive of HST)
	\$ 3,415.57	Contingency @ 7%
	\$ 52,209.49	Total Cost of Award
	\$ 4,698.85	Internal Project management fee 9%
	\$ 56,908.35	Total project cost
Budget Remaining after this award	\$ 61,774.34	*

* The remaining funds in the amount of \$61,774.34 will be returned to the original funding source.

BID INFORMATION

Advertised	By Invitation
Bids closed on	April 05, 2018
Number picking up bid documents	7
Number responding to bid	3

PRICE SUMMARY

Suppliers	Bid Price (Inclusive of HST)
Ryan Company Architect Inc.	\$ 48,793.92
Mills & Associates Ltd., Architect	\$ 95,043.84
WK Lim Architect Inc.	\$ 100,111.70

Architectural services shall include typical full scope of services, with substantial performance of constructed works anticipated in spring 2020. The vendor shall remain retained under this Award for a two (2) year warranty period after Substantial Completion to complete warranty inspection and handover services.

OPERATING BUDGET AND LIFECYCLE IMPACT

The operating and life cycle impacts will be determined at time of construction award.

ENVIRONMENTAL CONSIDERATIONS

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



STAFF AWARD REPORT

To:	Biju Karumanchery, Director, Planning & Urban Design
Re:	062-Q-18 Architectural Consulting Services, Wismer Community Park Pavilion and Washroom Building
Date:	April 12, 2018
Prepared by:	Morteza Behrooz, Project Manager, Park Development, Ext. 5757 Rosemarie Patano, Senior Construction Buyer Ext. 2990

PURPOSE / BACKGROUND

To obtain approval to award the contract for architectural consulting services for the Wismer Community Park pavilion and washroom building.

RECOMMENDATION

Recommended Supplier	Ryan Company Architect Inc (Lowest Priced Supplier)	
Current Budget Available	\$ 87,106.56	081-5350-18034-005 Wismer Community Park - Pavillion and Washroom Design
Less cost of award	\$ 48,793.92	Total award (Inclusive of HST)
	\$ 3,415.57	Contingency @ 7%
	\$ 52,209.49	Total Cost of Award
	\$ 4,698.85	Internal Project management fee 9%
	\$ 56,908.35	Total project cost
Budget Remaining after this award	\$ 30,198.21	*

* The remaining funds in the amount of \$30,198.21 will be returned to the original funding source.

BID INFORMATION

Advertised	By Invitation
Bids closed on	April 05, 2018
Number picking up bid documents	7
Number responding to bid	3

PRICE SUMMARY

Suppliers	Bid Price (Inclusive of HST)
Ryan Company Architect Inc.	\$ 48,793.92
Mills & Associates Ltd., Architect	\$ 95,043.84
WK Lim Architect Inc.	\$ 96,790.36

Architectural services shall include typical full scope of services, with substantial performance of constructed works anticipated in spring 2020. The vendor shall remain retained under this Award for a two (2) year warranty period after Substantial Completion to complete warranty inspection and handover services.

OPERATING BUDGET AND LIFECYCLE IMPACT

The operating budget and life cycle impacts will be determined at time of construction award.

ENVIRONMENTAL CONSIDERATIONS

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



STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	052-R-18 Consulting Engineering Services for the 2018 Illumination Program
Date:	March 29, 2018
Prepared by:	Peter Chan, Capital Works Engineer, Ext. 4055 Tony Casale, Sr. Construction Buyer, Ext. 3190

PURPOSE/BACKGROUND

To obtain approval to award the contract for detailed design and part time construction inspection services for the 2018 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 following locations;

- Green Lane from Bayview Ave to Leslie St.
- Applecreek Blvd from Woodbine Ave. to Warden Ave
- Bullock Dr. from Highway 7 to Laidlaw Blvd.

RECOMMENDATION

Recommended Suppliers	IBI Group Professional Services (Canada) Inc (Highest Ranked Lowest Priced Supplier)	
Current Budget Available	\$ 316,000.00	083-5350-18054-005 Street lighting Program (Design)
Less cost of award	\$ 119,802.04	Design (Incl. of HST)
	\$ 76,930.56	Contract Admin and Inspection Services
	\$ 25,000.00	Allowance for utility locate and topographic survey*
	\$ 22,173.26	Contingency @ 10%
	\$ 243,905.86	Cost of Award (Incl. of HST)
	\$ 32,268.70	Internal Management Fee
	\$ 276,174.56	Total Project Cost
Budget Remaining after award	\$ 39,825.44	**

* An allowance of \$25,000 will be used in the event of additional utility locate and topographic survey work required to complete the design.

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

BID INFORMATION

Advertised	ETN
Tender closed on	March 14, 2018
Number of contractors picking up bid documents	9
Number of contractors responding to bid	5

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.	92.00
GHD Limited	79.74
Moon-Matz Ltd.	67.02
Lea Consulting Ltd.	55.10
Bold Engineering Inc.	46.74

Note: Bid prices ranged from \$196,732 to \$ 314,133 (Incl. of HST).

OPERATING BUDGET AND LIFECYCLE IMPACT

The consultant will determine the number of light fixtures that need to be replaced, modified or added. No impact to operating budget or life cycle cost as the result of this award. This award is strictly for design work by consultant, no construction work.

ENVIRONMENTAL CONSIDERATIONS

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