



Report to: General Committee

Report Date: September 5, 2017

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**SUBJECT:** Staff Awarded Contracts for the Months of June, July and August 2017  
**PREPARED BY:** Alex Moore, Ext. 4711

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**RECOMMENDATION:**

1. THAT the report entitled "Staff Awarded Contracts for the Months of June, July and August 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 months of June, July and August 2017 as per Purchasing By-law 2017-8.

**BACKGROUND:**

**Community & Fire Services**

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none"><li>• 061 -T-17 Rehabilitation of Five (5) Culverts</li><li>• 062 -T-17 Rehabilitation of Seven (7) Pedestrian Bridges</li><li>• 095 -T-17 Supply and Installation of Adult Exercise Equipment and Safety Surface</li><li>• 135-T-17 Thornhill Entrance Revitalization Project</li><li>• 139-Q-17 Concrete Sidewalk Replacement Program</li><li>• 177-Q-17 Milliken Mills Hard Surface Restoration</li><li>• 189-T-17 Upgrade, Repair and Replace Guiderails at Various Locations</li><li>• 194-Q-17 Supply and Deliver Vehicle to Transport Rescue Equipment</li></ul>
Second Lowest Priced Supplier	<ul style="list-style-type: none"><li>• 026-Q-17 Remove and Replace Stairs at Cottonwood Court</li></ul>
Highest Ranked / Lowest Priced Supplier	<ul style="list-style-type: none"><li>• 241-R-15 Consulting Engineering Services for 2016 Structures Rehabilitation – Contract Administration and Construction Inspection (Stage 3)</li><li>• 052-R-17 Consulting Engineering Services for Erosion Restoration at Pomona Mills Creek and Don Mills Channel</li><li>• 178-R-17 Consulting Engineering Services for the Rougecrest Sewage Pumping Station Upgrades</li></ul>
Highest Ranked / Third Lowest Priced Supplier	<ul style="list-style-type: none"><li>• 166-R-17 Consulting Services for Hydraulic Transient Monitoring and Analysis</li></ul>
Non-Competitive Supplier	<ul style="list-style-type: none"><li>• 289-S-13 Supply and Delivery of an Electronic Training &amp; Records Management Platform for the Markham Fire Emergency Services - Contract Extension (2017 to 2020)</li><li>• 185-S-17 Consulting Engineering Services for Cast Iron Watermain Rehabilitation</li><li>• 209-S-17 Supply and Install Gateway Sign Letters and a Gateway Water Feature</li></ul>
Sole Bidder	<ul style="list-style-type: none"><li>• 153-T-17 Artificial Turf Maintenance</li></ul>

**Corporate Services**

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none"> <li>• 034-Q-17 Markham Museum – Strickler House Building Envelope Improvements</li> <li>• 047-T-17 Roofing Maintenance Program</li> <li>• 048-T-17 Roof Replacement for Markham Village Community Centre</li> <li>• 065-T-17 - Security and Access Improvements at the Markham Civic Centre</li> <li>• 091-T-17 Non-Standard Furniture at Aaniin Community Centre &amp; Library</li> <li>• 142-T-17 York Durham Sanitary Sewer – Access Hatch and Vent relocation at Pan Am Centre</li> <li>• 143-T-17 Fire Station 94 and 96 Renovations for Gender Diversity – Phase 2</li> <li>• 144-Q-17 Humidification System Upgrade at 8100 Warden Ave.</li> <li>• 158-T-17 Fire Safety System Inspection, Testing and Repairs</li> <li>• 168-T-17, Microsoft Volume Licensing Enterprise Enrollment</li> <li>• 170-T-17 Supply and Delivery of Microsoft Surface Pro 4 Tablets</li> <li>• 182-T-17 Perimeter leak repair at Markham Pan Am Centre</li> </ul>
Highest Ranked Supplier	<ul style="list-style-type: none"> <li>• 080-R-17 Markham.ca Website Technical Implementation</li> </ul>
Non-Competitive Supplier	<ul style="list-style-type: none"> <li>• 009-R-11 Support and Maintenance of Avaya Telephone System - Contract Extension</li> <li>• 163-S-17 Supply and Delivery of Office Products under the Ontario Education Collaborative Marketplace “OECM” Master Agreement</li> </ul>

**Development Services**

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none"> <li>• 115-T-17 Box Grove CC Park Construction - Phase 2 of 2</li> <li>• 172-T-17 Overall Benefit Work at the Rouge River, south of Clegg Road and east of Rodick Road</li> <li>• 174-T-17 Water, Sanitary and Storm Sewer Connections at Various Locations</li> <li>• 176-T-17 Flato Markham Theatre AV Replacement Supply &amp; Install</li> <li>• 181-T-17 Water, Sanitary and Storm Sewer Connections at Various Locations</li> <li>• 184-Q-17 Traffic Equipment Replacement</li> <li>• 190-T-17 Erosion Restoration at Robinson Creek</li> <li>• 197-T-17 Markham Village Veteran Square – Construction</li> <li>• 212-T-17 Water, Sanitary and Storm Sewer Connections at Various Locations</li> </ul>
Highest Ranked/ Lowest Priced Supplier	<ul style="list-style-type: none"> <li>• 105-R-17 Consulting Engineering Services for the Hwy 404 North Collector Roads Class Environmental Assessment Study</li> </ul>
Highest Ranked / Second Lowest Priced Supplier	<ul style="list-style-type: none"> <li>• 155-R-17 Detailed Design Services for the 2017 Sidewalk Program</li> </ul>
Non-Competitive Supplier	<ul style="list-style-type: none"> <li>• 309-R-12 Creative Design Services for the Flato Markham Theatre - Contract Extension</li> </ul>

X

Joel Lustig  
Treasurer

X

Trinela Cane  
Commissioner, Corporate Services

**STAFF AWARD REPORT**

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To:	Andy Taylor, Chief Administrative Officer
Re:	061-T-17 Rehabilitation of Five (5) Culverts
Date:	June 20, 2017
Prepared by:	Hossein Sharif, Senior Capital Engineer, Ext. 2382 Flora Chan, Senior Construction Buyer, Ext. 3189

**PURPOSE**

To obtain approval to award the contract for replacement of four (4) culverts and rehabilitation of one (1) culvert at the following locations:

1. Culvert C023– located at Personna Boulevard, 0.42km East of Woodbine Ave. (Replacement)
2. Culvert C059 – located at 19<sup>th</sup> Ave, 0.7 km east of McCowan Road (Replacement)
3. Culvert C197 – located at Reesor Rd, 5m north of Elgin Mills Rd. (Replacement)
4. Culvert C205 – located at 19<sup>th</sup> Ave, 10m west of Dickson Rd Hill Rd (Replacement)
5. Culvert C238 – located on Piera Gardens, 60m north of South Unionville Ave. (Rehabilitation)

**RECOMMENDATION**

Recommended Supplier	All Services Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 1,109,277.34	058-6150-16213-005 Rehabilitation of 5 Culverts – Design & Construction
Less: Cost of award	\$ 761,577.44	Cost of Award (Inclusive of HST )
	\$ 76,157.74	Contingency (10%)
	\$ 837,735.19	Total Award (Incl. of HST)
Budget Remaining	\$ 271,542.15	*

\*The remaining balance of \$271,542.15 will be returned to the original funding source. The favorable variance was mainly due to competitive bidding compared to internal estimate of the project cost.

**BACKGROUND**

In meeting the legislative requirement of the Public Transportation and Highway Act- Regulation 104/97, the City implements 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 undertaken regular inspection of the structures. Based on the 2014 condition inspection, these 5 culverts were recommended for further investigation and rehabilitation work. The City's consultant, McIntosh Perry, conducted a detailed condition survey in 2016 and recommended (with agreement by staff) the replacement of four (4) culverts (C023, C059, C197, and C205) and rehabilitation of one (1) culvert (C238).

The project will commence on July 1, 2017 and will be completed by November 30, 2017 (weather permitting).

**BID INFORMATION**

Advertised	May 25, 2017
Bid closed on	June 16, 2017
Number picking up document	15
Number responding to bid	4

**PRICE SUMMARY**

Suppliers	Bid Price (incl. of HST)
All Services Inc.	\$ 761,577.44
Todd Brothers Contracting Services	\$ 950,338.40
Hawkins Contracting Services	\$ 967,592.93
Tascan Corp.	\$ 1,167,311.85

**FINANCIAL CONSIDERATIONS**

The following table summarizes the financial details of this award:

Account Name	Account No.	Revised Budget	Budget Available for Construction	Cost of Award	Contingency (10%)	Budget Remaining
Culverts Rehabilitation (5 Structures)	058-6150-16213-005	\$1,375,106.07	\$1,109,277.34	\$761,577.44	\$76,157.74	\$271,542.15

\*The remaining balance of \$271,542.15 will be returned to the original funding source.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The 2017 Life Cycle reserve study includes \$1.19M for the replacement of the five (5) Culverts over the next the next 25 years until 2042. There is no incremental operating budget impact.

**ENVIRONMENTAL CONSIDERATIONS**

The construction timing will be as per allowable TRCA/MNRF fisheries time window as follows:

Structure ID	In-Water Works Time
C023, C059 & C205	July 1 <sup>st</sup> to September 15
C197 & C238	July 1 <sup>st</sup> to March 31

**STAFF AWARD REPORT**

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To:	Andy Taylor, Chief Administrative Officer
Re:	062-T-17 Rehabilitation of Seven (7) Pedestrian Bridges
Date:	May 5, 2017
Prepared by:	Hossein Sharif, Senior Capital Engineer, Ext. 2382 Flora Chan, Senior Construction Buyer, Ext. 3189

**PURPOSE**

To obtain approval to award the contract for the Rehabilitation of the following Seven (7) Pedestrian Bridges:

- P007 - located at Featherstone Avenue (West of Middlefield Road)
- P013 - located at Springdale Street (North of Beck Drive)
- P018 - located at Armadale Park (North west of Kenborough Court)
- P064 - located at Markham Green Golf Course
- P065 - located at Markham Green Golf Course
- P066 - located at Markham Green Golf Course
- P067 - located at Markham Green Golf Course

**RECOMMENDATION**

Recommended Supplier	Lancoa Contracting (Lowest Priced Supplier)	
Current Budget Available	\$ 217,896.93	058-6150-16218-005 Rehabilitation of 7 Structures – Design & Construction
Less: Cost of award	\$ 315,086.94	Cost of Award (Inclusive of HST)
	\$ 31,508.69	Contingency (10%)
	\$ 346,595.63	Total Award Inclusive of HST
Budget shortfall	(\$ 128,698.70)	*

\*The shortfall of \$128,698.70 will be funded from the Non-DC Capital Contingency account.

**BACKGROUND**

In meeting the legislative requirement of the Public Transportation and Highway Act- Regulation 104/97, the City implements 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 undertaken regular inspection of the structures. Based on the 2014 condition inspection program, these 7 pedestrian bridges were recommended for further investigation and rehabilitation work. The City's consultant conducted a detail condition survey in 2016 and recommended rehabilitation works for these 7 pedestrian bridges.

The project will commence on July 1<sup>st</sup>, 2017 for the three structures (P007, P013 & P018) and after Nov 1<sup>st</sup>, 2017 for the four Markham Green Golf Course structures (P064, P065, P066 & P067) after end of golf season. The project will be completed by March 31, 2018 (weather permitting).

**BID INFORMATION**

Advertised	ETN
Bid closed on	February 27, 2017
Number picking up document	25
Number responding to bid	10

**PRICE SUMMARY (Incl. of HST)**

Suppliers	Bid Price
Lancoa Contracting	\$ 315,086.94
GMP Contracting	\$ 343,767.41
Jarlian Construction Inc.	\$ 350,218.23
Todd Brothers Contracting Ltd.	\$ 356,032.92
GSL Group Ltd	\$ 367,649.72
Marbridge Construction Ltd.	\$ 479,533.82

**PRICE SUMMARY - Incl. of HST (Continued)**

Suppliers	Bid Price
Anscon Contracting Inc.	\$ 510,774.27
Hawkins Contracting Services Ltd.	\$ 618,956.83
Dig-Con International Ltd.	\$ 803,828.70
Bridge Construction Ltd.	\$ 1,275,635.98

**FINANCIAL CONSIDERATIONS**

The following table summarizes the financial details of this award:

Account Name	Account No.	Total Budget Amount	Spent to Date	Committed	Budget Available for this award	This Award	Contingency (10%)	Total for award	Remaining after Award
Ped Bridges Rehabilitation (7 Structures)	058-6150-16218-005	\$342,993.93	\$119,678.47	\$5,418.53	\$217,896.93	\$315,086.94	\$31,508.69	\$346,595.63	-\$128,698.70

\*The shortfall of \$128,698.70 will be funded from the Non-DC Capital Contingency account.

**Shortfall**

The shortfall is primarily due to the four Markham Green pedestrian bridges being over-budget. The original budget request was \$40,915 per bridge based on the construction cost of two previously rehabilitated Markham Green Golf course pedestrian bridges (P062 & P064) completed in 2014. The average price of the four bridges under this tender is \$68,000 per bridge.

The reasons for the shortfall are as follows:

1. Conversion of the expansion joints to semi-integral abutment for the 4 bridges (abutment supports the end of the bridge and transfers the load to the superstructure into the ground), requiring additional capital cost of \$10,000 per bridge. Staff supports the change as it extends the service life of the structure by at least 15 years and reduces its capital cost per year over its remaining Life Cycle from \$3,700/year to \$2,400/year. This translates to an overall saving of \$130,000 for all four bridges over 25 years  $((\$3,700 - \$2,400) \times 25 \text{ years} \times 4 \text{ bridges})$ .
2. It was identified that concrete repair on the underside of bridge, repairs to the concrete bridge girders and replacement of elastomeric bearings will be required. The additional repairs require jacking up the bridge, galvanized metal curbs, and waterproof coatings. These repairs were identified at time of detailed design and were not anticipated at time of budget.
3. Additional scaffolding for work under the bridge areas, a temporary platform spanning under the bridge to prevent entry of deleterious material into waster course as mandated by TRCA and Health & Safety requirements, which were recently changed related to environmental protection and working at heights over water.

The staging, access, safe working platforms for the work on the undersides and subcontracting the jacking operations are significant costs that impacted the project costs under this tender.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The 2017 Life Cycle reserve study includes \$2.6M for replacement/rehabilitation of the above seven pedestrian bridges within the next 25 years until 2042. The Life Cycle for the four bridges will be extended by 15-20 years as a result of the change to semi-integral abutment in the 2018 Life Cycle study update. There is no incremental operating budget impact.

**ENVIRONMENTAL CONSIDERATIONS**

The construction timing will be as per allowable TRCA/MNR fisheries time window as follows:

Structure ID	In-Water Works Time
P064, P065, P066 & P067	July 1 <sup>st</sup> to March 31 <sup>st</sup> (Work will commence after Nov 1 <sup>st</sup> after end of golf season and in coordination with the Markham Green Golf Course Management)
P007, P013 & P018	July 1 <sup>st</sup> to March 31 <sup>st</sup>

**STAFF AWARD REPORT**

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To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	095-T-17 Supply and Installation of Adult Exercise Equipment and Safety Surface
Date:	September 19, 2017
Prepared by:	Tiky Yuen, Parks Renaissance Planner, Ext. 2184 Patti Malone, Senior Buyer, Ext. 2239

**PURPOSE**

To obtain approval to award the contract for the supply and installation of adult exercise equipment and safety surface at six (6) park locations.

**RECOMMENDATION**

Recommended Supplier	Bam Bam Construction Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 215,000.00	700-101-5399-16170 Growth Related Park Improvement
Less: Cost of award	\$ 195,423.87	Cost of Award (Inclusive of HST)
	\$ 19,542.38	Contingency @ 10%
	\$ 214,966.25	Total Cost of Award (Inclusive of HST)
Budget Remaining after this award	\$ 33.75	*

\*The remaining budget of \$33.75 will be returned to the original funding source.

**BACKGROUND**

The main objective of this project is to upgrade and enhance mature parks which require revitalization and to provide amenities to satisfy residents in older communities where infrastructure is lacking or outdated.

Six (6) park locations were identified for the installation of new adult exercise equipment (18 pieces of equipment in total to be installed at the 6 same locations). The park locations are: 1) Simonston Park, 2) John Button Park, 3) Monarch Park, 4) E.B.F. Robinson Park, 5) Elson Park and 6) Highgate Park.

The work to be carried out includes;

- Site excavation and preparation
- Supply and installation of exercise equipment with 1.2m depth concrete footings as required
- Clear course drainage base and install 150mm diameter perforated pipe
- 600mm thick poured in place concrete curbs with 2 rebars (steel poles)
- Safety surface comprising filter cloth with engineered wood fiber mulch
- Site grading, sodding, topsoil and finishing to match existing landscaping

The work will be completed by October 31, 2017.

**BID INFORMATION**

Advertised	ETN
Bid closed on	May 4, 2017
Number picking up document	4
Number responding to bid	2

**PRICE SUMMARY**

Suppliers	Price (Including HST)	Revised Price (Including HST)
Bam Bam Construction Inc.	\$133,069.53	\$195,423.87*
CSL Group Ltd.	\$175,368.10	N/A

\* During the design phase the drawings detailed pre-cast concrete for the curb material. After closing of the tender, and review of the bid prices it was identified that poured concrete should have been the curb material utilized instead of pre-cast concrete. The use of poured concrete allows for a stronger and more robust base and will help to prevent issues such as future flooding.

**PRICE SUMMARY (Continued)**

In lieu of re-issuing the bid to the market, Staff entered into negotiations with the lowest supplier, revising the curb material requirement for pre-cast concrete identified within the bid document to poured concrete. During negotiations Staff deleted the pre-cast cost from the original bid price and added poured concrete plus perforated drain tile for the recommended award amount of \$195,423.87.

The additional cost of \$62,354.34 (\$195,423.87 - \$133,069.53) provides a stronger product, with greater density, better drainage and a longer life cycle. To verify the increased cost, Staff reviewed recent park construction tenders for similar work and have validated the cost competitiveness of the revised work for the curb.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

There is no incremental impact to the operating budget. The exercise equipment will be added to the life cycle as part of the 2018 update. Based on a useful life of 15 years, the life cycle impact will be approximately \$195,423.87 over the next 25 years (\$195,423.87 x 1 replacement).

**ENVIRONMENTAL CONSIDERATIONS**

The design of the drainage system ensures that rain water is directed back into the soil rather than going into the main sewerage system. The engineered wood fiber mulch is accessible and considered to be a superior product with long-term performance and low maintenance, it can only be compared to rubberized playground surfacing for its accessibility.





### STAFF AWARD REPORT

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	135-T-17 Thornhill Entrance Revitalization Project
Date:	August 16, 2017
Prepared by:	Janice Carroll, Community Recreation Manager, West, Ext. 6884 Mario Puopolo, Community Facility Coordinator, West, Ext. 3788 Darius Chung, Senior Buyer, Ext. 2025

### PURPOSE

To obtain approval to award the contract for the Thornhill Entrance Revitalization Project.

### RECOMMENDATION

Recommended Supplier	M & S Architectural Concrete Ltd. (Lowest Priced Supplier)	
Current Budget Available	\$ 275,000.00	500-101-5399-17319
Less: Cost of award	\$ 248,631.48	Total Project Cost (Inclusive of HST)
	\$ 24,863.14	Contingency (10%)
	\$ 273,494.62	Total Cost of Award (Inclusive of HST)
Budget Remaining after this award*	\$ 1,505.38	

\*Any remaining funds at the completion of the project will be returned to the original funding source.

### BACKGROUND

In January 2016 the City of Markham submitted a grant request as part of the Federal Government funding program to support projects across Canada which celebrated and recognized Canada's 150<sup>th</sup> birthday. The City of Markham received funds through the Canada 150 Infrastructure Funding to support the revitalization of the main entrance of the Thornhill Community Centre.

The front entrance revitalization will provide the public a place where they can gather and socialize around the sculpture of Benjamin Thorne that has been commissioned through public art.

The design work also includes the traffic island that fronts the main entrance area. The revitalization is being partially funded by York Region to install a demonstration garden to educate the community on the use of water efficient plants.

The work includes paving of the north and south terraces, light fixture replacement, pre-cast concrete filling, feature stone replacement, planting, and foundation for a sculpture. Work completion is scheduled for October 2017.

### BID INFORMATION

Advertised	Electronic Tendering Network
Bids closed on	Friday August 11, 2017
Number picking up bid documents	6
Number responding to bid	2*

\*Purchasing contacted bidders who downloaded the document and did not submit a bid. From those contacted suppliers, three (3) of the suppliers' indicated they were unable to meet the tight project schedule due to current workload. The one (1) other contractor registered but missed the mandatory site meeting and as a result, unable to bid.

### PRICE SUMMARY (Inclusive of HST)

Suppliers	Bid Price (Incl. of HST)
M & S Architectural Concrete Ltd.	\$248,631.48
Pine Valley Corporation	\$251,700.31

### OPERATING BUDGET AND LIFE CYCLE IMPACT

N/A

### ENVIRONMENTAL CONSIDERATIONS

N/A



## STAFF AWARD REPORT

To:	Phoebe Fu, Director, Environmental Services
Re:	139-Q-17 Concrete Sidewalk Replacement Program
Date:	June 1, 2017
Prepared by:	Vikas Thakur, Infrastructure Project Engineer Ext. 6210 Tony Casale, Senior Construction Buyer Ext: 3190

### PURPOSE

To obtain approval to award the contract for the concrete sidewalk replacement program.

### RECOMMENDATION

Recommended Supplier	Northland Paving (Lowest Priced Supplier)	
Current Budget Available	\$ 100,700.00	053-6150-17224-005 Water System Upgrade
Less: Cost of award	\$ 58,668.10	(Incl. of HST)
	\$ 5,866.81	Contingency @ 10%
	\$ 64,534.91	Total Cost of Award
Budget Remaining	\$ 36,165.09	*

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

### BACKGROUND

The general work involves replacement of damaged concrete sidewalk infrastructure from past and present curb box repair and replacement projects throughout the City.

The project is expected to commence June/July 2017 and be completed by September/Oct 2017.

### BID INFORMATION

Advertised	ETN (Electronic Tendering Network)
Bids closed on	April 27, 2017
Number picking up bid document	15
Number responding to bid	13

### PRICE SUMMARY

Suppliers	Bid Price (Incl. of HST)
Northland Paving	\$ 58,668.10
Pencon Construction of Canada Corp	\$ 75,114.14
Onsite Contracting Inc	\$ 77,749.73
Grand Mac Construction	\$ 78,501.48
VCN Paving Limited	\$ 78,926.07
UTA Construction Limited	\$ 85,234.18
Aloia Bros. Concrete Contractors Ltd.	\$100,309.51
Aqua Tech Solutions Inc	\$117,260.08
Pop's Restoration	\$117,942.38
Serve Construction Ltd	\$118,601.28
Bennington Construction Ltd.	\$133,096.99
Jerry Bettencourt Construction Ltd	\$158,135.04
Dig-Con International Limited	\$229,822.92

### OPERATING BUDGET AND LIFE CYCLE IMPACT

N/A

### ENVIRONMENTAL CONSIDERATIONS

Removed concrete and asphalt will be recycled at a local aggregate recycling depot.



### STAFF AWARD REPORT

To:	Mary Creighton, Director, Recreation Services
Re:	177-Q-17 Milliken Mills Community Centre Hard Surface Restoration
Date:	August 18, 2017
Prepared by:	Chris Gucciardi, Supervisor, Community Facility, Ext. 3316 Darius Chung, Senior Buyer, Ext. 2025

### PURPOSE

To obtain approval to award the contract for the hard surface restoration at the Milliken Mills Community Centre.

### RECOMMENDATION

Recommended Supplier	Laycon Construction Services Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 91,800	070-6150-17098-005
Less: Cost of award	\$ 73,776.00	Cost of Award (Inclusive of HST)
	\$ 7,377.60	Contingency (10%)
	\$ 81,153.60	Total Project Cost (Inclusive of HST)
Budget Remaining after this award	\$ 10,646.40	*

\* Remaining balance of \$10,646.50 will be returned to the original funding source.

### BACKGROUND

Built between 1981 and 1991 the exterior pavement at the Milliken Mill's Community Centre has deteriorated resulting in cracks and trip hazards in the paved walkways. This project consists of replacing the interlocking in the walkways located on the east side of the facility as well as the emergency exit walkway of the facility's library exit with paved concrete. The intent of this project is to improve the appearance of the facility in addition to execution of various repairs.

### BID INFORMATION

Advertised	Electronic Tendering Network
Bids closed on	Friday August 18, 2017
Number picking up bid documents	8
Number responding to bid	6

### PRICE SUMMARY (Inclusive of HST)

Suppliers	Price (Incl. HST)
Laycon Construction Services Inc.	\$73,776.00
Metro Asphalt	\$81,981.48
Hilton Construction Corporation	\$88,654.33
Pine Valley Corporation	\$92,210.84
ANCO Building Restoration	\$140,474.59
Alliance Site Construction Ltd.	\$142,634.96

The project is expected to commence in September and be completed in October 2017.

### OPERATING BUDGET AND LIFE CYCLE IMPACT

N/A

### ENVIRONMENTAL CONSIDERATIONS

N/A



### STAFF AWARD REPORT

To:	Brenda Librecz, Commission, Community & Fire Services
Re:	189-T-17 Upgrade, Repair and Replace Guiderails at various locations
Date:	September 19, 2017
Prepared by:	John Hoover, Supervisor, Contract Administration, Ext. 4808 Patti Malone, Senior Buyer, Ext. 2239

### PURPOSE

To obtain approval to award the upgraded guiderail installations at various locations.

### RECOMMENDATION

Recommended Supplier	Peninsula Construction Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 223,000.00	050-6150-17136-005 Guiderail – Install/Repair/Upgrade
Less cost of award	\$ 135,096.07	Total Cost of Award (Inclusive of HST)
Budget Remaining after this award	\$ 87,903.93	

\*The budget remaining in the amount of \$87,903.93 will be returned to the original funding source.

### BACKGROUND

The City of Markham released a tender to market for the removal of existing guiderails and replacement with Ontario Provincial Standard Specifications (OPSS) approved guiderails at the following locations:

- 1) John St bridge over the 404,
- 2) Reesor Rd between Elgin Mills and 19<sup>th</sup> Ave,
- 3) 13 smaller locations throughout the City

This award includes guiderails due for replacement to meet OPS standards, as well as locations that have been damaged by vehicles and require immediate repair.

### BID INFORMATION

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

### PRICE SUMMARY

Suppliers	Price (Inclusive of HST)
Peninsula Construction Inc.	\$135,096.07
Powell (Richmond Hill) Contracting Limited	\$143,523.32
Imperial Fence	\$315,583.20

### OPERATING BUDGET AND LIFE CYCLE IMPACT

The 2018 Life Cycle Reserve Study will be updated to reflect the favourable pricing of this award for the location identified above.

### ENVIRONMENTAL CONSIDERATIONS

The contract includes the disposal of the existing steel guiderails in the bid price. All steel guiderails are recycled at scrap companies and the wood posts are recycled at local lumber companies for sawmill reuse (e.g. retaining walls).

**STAFF AWARD REPORT**

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To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	194-Q-17 Supply and Delivery of a Vehicle to Transport Fire Rescue Equipment
Date:	September 19, 2017
Prepared by:	Raymond Law, Manager, Business & Technical Services, ext. 4852 Patti Malone, Senior Buyer, Ext. 2239

**PURPOSE**

To obtain approval to award a contract for the supply and delivery of a new vehicle to transport Fire rescue equipment.

**RECOMMENDATION**

Recommended Supplier	Country Ford Lincoln (Lowest Priced Supplier)	
Current Budget Available	\$ 60,000.00	057-5350-17165-005 New Fleet – Fire
Less: Cost of award	\$ 75,378.72	Inclusive of HST
Budget Remaining after this award	(\$ 15,378.72)	*

\*The budget shortfall of \$15,378.72 will be funded from the Non-DC Capital Contingency account. The budget amount of \$60,000 was based on the purchase of a similar vehicle for Waterworks, however, the budget did not include additional costs (vinyl red wrap, emergency vehicle devices such as sirens and lighting, reflective striping, and chevrons) as required for Fire Department vehicles.

**BACKGROUND**

Tender 194-Q-17 was issued for the supply and delivery of one vehicle for the Fire Department. The Fire Department is required by legislation to provide training, policies and procedures, and equipment for any type of emergency that it is reasonably anticipated or expected that they will be required to respond to. Currently, the Fire Department is not equipped to respond to rope rescue, confined space, or trench rescue. The vehicle is required to support the services provided by the Fire Department, and will be used to transport special rescue equipment to an emergency. This vehicle will initially be used for carrying rope rescue equipment, and confined space rescue equipment. In the future, this vehicle will also be used to tow a trailer for transporting trench rescue equipment.

**BID INFORMATION**

Advertised	ETN
Bid closed on	August 3, 2017
Number picking up document	8
Number responding to bid	3

**PRICE SUMMARY (Inclusive of HST)**

Full size 4 x 2 truck 19,500 lbs GVW with a van body – Qty 1

Suppliers	Bid Price	Vehicle Type
Country Ford Lincoln	\$75,378.72	2017 Ford F550
East Court Ford Lincoln	\$75,766.43	2017 Ford F550
Donway Ford Sales Limited	\$79,961.99	2018 Ford F550

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The incremental operating cost is estimated at \$7,500 per year for the additional cost of fuel, vehicle maintenance and licensing, which was included in the 2017 Operating Budget.

The 2018 Life Cycle Reserve Study will be updated to reflect the purchase of this vehicle. Based on a useful life of 10 years, the life cycle impact will be approximately \$150,757.44 over the next 25 years (\$75,378.72 x 2 replacements).

**ENVIRONMENTAL CONSIDERATIONS**

The unit in this award utilizes current 2017 technology reducing overall engine emissions.



## STAFF AWARD REPORT

Page 1 of 2

To:	Brenda Librecz, Commissioner Community & Fire Services
Re:	026-Q-17 Remove and Replace Stairs at Cottonwood Court
Date:	September 19, 2017
Prepared by:	James Bingham, Supervisor, Parks, Ext. 7997 Patti Malone, Senior Buyer, Ext. 2239

### PURPOSE

To obtain approval to award the removal and replacement of wooden stairs at Cottonwood Court leading towards German Mills Settlers Park.

### RECOMMENDATION

Recommended Supplier	Pine Valley Corporation (Second Lowest Priced Supplier)	
Current Budget Available	\$ 80,230.00	059-6150-16173-005 Stairways Repair/Rebuild
Less: Cost of award	\$ 71,232.00	Inclusive of HST
	\$ 7,123.20	10% Contingency Inclusive of HST
	\$ 78,355.20	Total Award
Budget Remaining After This Award	\$ 1,874.80	

\* The remaining balance of \$1,874.80 is to be returned to the original funding source.

### BACKGROUND

There are two staircases at Cottonwood Court leading towards German Mills Settlers Park which need to be replaced. The stairs cannot be repaired, and require a total re-build.

The work includes excavation, backfilling, compaction, steel reinforcement, concrete forming, testing ground conditions, installation of handrails, repair to sod and disposal of material. The project will commence in the spring and be completed by October 31, 2017.

### BID INFORMATION

Advertised	ETN
Bid closed on	May 4, 2017
Number picking up document	18
Number responding to bid	9

### PRICE SUMMARY (Inclusive of HST)

Suppliers	Bid Price
Celini Construction Co.*	\$70,519.68
<b>Pine Valley Corporation</b>	<b>\$71,232.00**</b>
Laycon Construction Services Inc.	\$75,872.26
R-CHAD General Contracting Inc.	\$84,460.80
MJK Construction	\$93,110.40
DBC&RR Inc.	\$96,010.56
Rainforces Ltd.	\$112,070.38
2SC Contracting	\$127,708.80
AP Inc.	\$130,167.32

**PRICE SUMMARY (Continued)**

\*Staff recommends not awarding the Contract to the lowest priced Bidder (Celini Construction Co.) on the basis that internal evaluations on a recent project did not satisfy the City. Pursuant to Part II, Section 17. 4 of the City of Markham's *General Terms and Conditions* (which form part of the tender document), the City reserves the right, in its sole discretion, not to award to the lowest priced Bidder, whose reference checks do not meet or exceed the expectations of the City.

Pursuant to Part II, 1.(5) of the City of Markham's *Purchasing By-Law*, 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.

**\*\*Note:** Pine Valley Corporation's original bid price for this contract was \$73,740.38 which is higher than the budget allocation. 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 Suppliers exceed the City's budget. Due to this budget shortfall, Staff entered into negotiations with Pine Valley Corporation to reduce the price, in order to meet the City's approved budget. Staff were able to reduce the price by \$2,508.38 from \$73,740.38 to \$71,232.00.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The 2017 Life Cycle update includes an amount of \$428,728 for stairway replacements over the next 25 years.

**ENVIRONMENTAL CONSIDERATIONS**

N/A





## STAFF AWARD REPORT

Page 1 of 2

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	241-R-15 Consulting Engineering Services for Structures Rehabilitation – Contract Administration and Construction Inspection (Stage 3)
Date:	June 21, 2017
Prepared by:	Hossein Sharif, Senior Capital Engineer, ext. 2382 Flora Chan, Senior Buyer, ext. 3189

### PURPOSE

To obtain approval to award the contract for Contract Administration and Construction Inspection Services (Stage 3) for the rehabilitation of the following 9 Structures:

1. C023: Culvert at Personna Blvd
2. C059: Culvert at 19th Ave and McCowan
3. C197: Culvert at Reesor Road and Elgin Mills Road
4. C205: Culvert at 19th Avenue and Dickson Hill Road
5. C238: Culvert at Piera Gardens
6. P064: Pedestrian Bridge in Markham Green Golf Course 3
7. P065: Pedestrian Bridge in Markham Green Golf Course 4
8. P066: Pedestrian Bridge in Markham Green Golf Course 5
9. P067: Pedestrian Bridge in Markham Green Golf Course 6

### RECOMMENDATION

Recommended Supplier	McIntosh Perry Consulting Engineers Ltd. (Highest Ranked / Lowest Priced Supplier)	
Current Budget Available	\$ 80,000.00	058-6150-16213-005 Rehabilitation of 5 Culverts – Design & Construction
Less: Cost of award	\$ 41,457.00	Contract Administration and Construction Inspection of 5 Culverts*
	\$ 27,638.00	Contract Administration and Construction Inspection of 7 Bridges*
	\$ 6,909.50	Contingency (10%)
	\$ 76,004.50	Total Award (incl. of HST)
Budget Remaining after this Award	\$ 3,995.50	**

\*The cost of Contract Administration and Construction Inspection Services (CA) is calculated for two separate construction contracts based on quoted fee of \$3,454.75/ week (incl. of HST) for full-time inspection as follows:

(a) Rehabilitation of Five (5) Culverts (061-T-17), 12 weeks construction duration for the amount of \$41,457.00 and

(b) Rehabilitation of Four (4) Markham Green Golf Course Pedestrian Bridges (62-T-17), 8 weeks construction duration for the amount of \$27,638.00.

\*\*Remaining budget of \$3,995.50 will be returned to the original funding source.

### BACKGROUND

In meeting the legislative requirement of The Public Transportation and Highway Act- Regulation 104/97, the City implements annual structures inspection program to identify the maintenance needs and thus protect and prolong the life of the structures. Since 2004, the City has undertaken regular inspection of all City-owned bridges and culverts. Structures that manifest deficiencies are rehabilitated and/or replaced.

### OPTIONS / DISCUSSIONS

In 2015, Staff awarded Request for Proposal 241-R-15 to the highest ranked / lowest priced bidder for the structure rehabilitation works at the locations identified within the purpose section of this report. The contract was broken down into three (3) stages with consultants providing fixed pricing for all stages.

The stages were as follows:

- Stage 1 - Detailed Condition Survey/Preliminary Design/Financial Analysis (**COMPLETED**)
- Stage 2 - Detailed design and Preparation of Tender Documents (**COMPLETED** except Retaining Wall B043)
- Stage 3 - Contract Administration / Construction Inspection (**THIS AWARD**)

### OPTIONS / DISCUSSIONS (Continued)

Staff awarded Stages 1 & 2 through the appropriate award authority in December 2015 & June 2016 to McIntosh Perry and at that time identified that Stage 3 works (Contract Administration and Construction Inspection services) would be awarded at the time of construction once construction time is known.

### FINANCIAL CONSIDERATIONS

The following table summarizes the financial details of this award:

Account Name	Account No.	Revised Budget	Budget Available for CA Works	Cost of Award	Contingency (10%)	Budget Remaining
Culverts Rehabilitation (5 Structures)	058-6150-16213-005	\$1,375,106.07	\$80,000.00	\$69,095.00	\$6,909.50	\$3,995.50

### OPERATING BUDGET AND LIFE CYCLE IMPACT

The 2017 Life Cycle reserve study includes \$1.19M of Five (5) Culverts and \$367k for four (4) Markham Green Golf Course Pedestrian Bridges for replacement/ rehabilitation for within the next 25 years until 2042. There is no incremental operating budget impact.

### ENVIRONMENTAL CONSIDERATIONS

To comply with the Migratory Birds Convention Act, vegetation removals should take place between August 1<sup>st</sup> and April 14<sup>th</sup> of any given year. Surplus materials will be disposed off-site in an environmentally sustainable manner.

The construction timing will be as per allowable TRCA/MNR fisheries time window as follow:

Structure ID	In-Water Works Time
Culverts C023, C059 & C205	July 1 <sup>st</sup> – September 15 <sup>th</sup>
Culverts C197 & C238	July 1 <sup>st</sup> – March 31 <sup>st</sup>



## STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	052-R-17 Consulting Engineering Services for Erosion Restoration at Pomona Mills Creek and Don Mills Channel
Date:	June 6, 2017
Prepared by:	Alan Manlucu, Project Engineer, Ext: 2374 Flora Chan, Senior Buyer Ext: 3189

### PURPOSE

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

### RECOMMENDATION

Recommended Supplier	Aquafor Beech Ltd. (Highest ranked / Lowest Priced Supplier)	
Current Budget Available	\$ 107,800.00	750 101 5699 17194 Erosion Restoration Program
Less: Cost of award	\$ 96,961.00	Award*
	\$ 9,696.10	Contingency (10%)
	\$ 106,657.10	Total Award (Inclusive of HST)
Budget remaining after this award	\$ 1,142.90	**

\*Award amount includes cash allowance of \$20,352.00 for geotechnical testing.

\*\*The remaining balance of \$1,142.90 will be returned to the original funding source.

### BACKGROUND

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 objective of this RFP is to retain a qualified consultant to undertake the detailed design, tender preparation and contract administration and inspection for the erosion restoration at these sites.

It is expected that the study will commence in June 2017 and be completed by October 2017.

### BID INFORMATION

Advertised	ETN (Electronic Tendering Network)
Bids closed on	May 11, 2017
Number picking up bid document	9
Number responding to bid	8

### PROPOSAL EVALUATION

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

#### Stage One (1) – Technical Evaluation:

Under Stage 1 – Technical Evaluation, Bidders were assessed against pre-determined criteria as outlined in the RFP; Experience/Past Performance of the Company 15%, Similar Five (5) Projects completed within the last 5 Years 5%, Qualifications and Related Experience of the Project Manager and Project Team 20%, Project Delivery 30% totaling 70%. Upon completion of Stage 1 (technical evaluation), the Price Proposal (Bid Form) provided by those Bidders who qualified from Stage 1, (minimum score of 75%, or 52.5 points out of 70 required), proceeded to Stage 2 for price evaluation.

**PROPOSAL EVALUATION (Continued)**

**Stage Two (2) – Price Evaluation:**

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

**Stage 1 & 2 – Combined Overall Scoring:**

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

<b>Suppliers</b>	<b>Stage 1 Technical (70 points)</b>	<b>Stage 2 Price (30 points)</b>	<b>Total Score (100 points)</b>	<b>Overall Ranking</b>
<b>Aquafor Beech Ltd.</b>	<b>61.1</b>	<b>30.0</b>	<b>91.1</b>	<b>1</b>
AHYDTECH Geomorphic Ltd.	54.6	21.6	76.2	2
Geoprocess Research Associates Inc.	53.7	21.4	75.0	3
Cole Engineering Group Ltd.	59.9	16.4	74.7	4
GHD Limited	48.3	14.4	74.4	5
Ecosystem Recovery Inc.	56.6	16.1	72.3	6
AECOM Canada Ltd.	52.8	13.4	66.2	7
Mcintosh Perry Consulting Engineers	50.2	0.0*	50.2*	8

\*Suppliers who did not receive a technical score of 52.5 points or higher were not considered for Stage 2 evaluation. Bid prices ranged from \$96,961.00 to \$150,721.82 inclusive of HST.

Aquafor Beech Ltd. ("Aquafor Beech"), the highest ranked supplier with the highest technical score and lowest price, demonstrated a good understanding of the project, had experienced and qualified project team and illustrated a comprehensive plan and methodology for the project.

Aquafor Beech is currently completing similar erosion restoration work for the City and their performance has been deemed satisfactory.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The erosion restoration program intended for restoration of emerging erosion sites is included in the Life Cycle Reserve Study. The total Life Cycle amount for the erosion restoration program over the next 25 years is \$4,474,999. There is no incremental Life Cycle impact and 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 designs 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**

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	178-R-17 Consulting Engineering Services for the Rougecrest Sewage Pumping Station Upgrades
Date:	August 22, 2017
Prepared by:	Paul Li, Senior Infrastructure Project Engineer, Ext: 2646 Tony Casale, Senior Construction Buyer Ext: 3190

**PURPOSE**

To obtain approval to award the contract for Consulting Engineering Services for the Rougecrest Sewage Pumping Station Upgrades.

**RECOMMENDATION**

Recommended Supplier	Moon-Matz Ltd. (Highest ranked / Lowest Priced Supplier)	
Current Budget Available	\$ 171,790.00	053-5350-14306-005 Milliken Park & Rougecrest
Less cost of award	\$ 71,232.00	Detailed Design Services (Incl. of HST)*
	\$ 56,578.56	Contract Admin./Inspection Services (Incl. of HST)*
	\$ 12,781.06	Contingency @ 10%
	\$ 140,591.62	Total Cost of Award
Budget remaining after this award	\$ 31,198.38	**

\*The award amount includes a cash allowance of \$20,000.00 for process narrative and \$20,000.00 for engineering support services.

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

**BACKGROUND**

The Rougecrest Sewage Pumping Station (SPS) was originally constructed in the mid-1960s and is located south of Highway 7 and east of Markham Road on Rougecrest Drive. The pumping station receives sanitary drainage from Rougecrest Drive and part of Paradise Avenue.

The objective of this RFP is to retain a qualified consultant to undertake detailed design, tender preparation and contract administration / inspection services for upgrades to the Rougecrest Sewage Pumping Station.

It is anticipated that the design will commence in September 2017 and be tender ready in February 2018.

**BID INFORMATION**

Advertised	ETN (Electronic Tendering Network)
Bids closed on	August 3, 2017
Number picking up bid document	12
Number responding to bid	4

**PROPOSAL EVALUATION**

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

**Stage One (1) – Technical Evaluation:**

Under Stage 1 – Technical Evaluation, Suppliers were assessed against pre-determined criteria as outlined in the RFP; Reference Check/Past Performance of the Company 15%, Three (3) Similar Projects completed within the last 5 Years 5%, Qualifications and Related Experience of the Project Manager and Team 20% and Project Delivery 30% totaling 70%.

Upon completion of Stage 1 (technical evaluation), the Price Proposal (Bid Form) provided by those Suppliers who qualified under Stage 1, (minimum score of 75%, or 52.5 points out of 70 required), proceeded to Stage 2 - Price evaluation.

**PROPOSAL EVALUATION (Continued)****Stage Two (2) – Price Evaluation:**

Suppliers who achieved a total technical score of 52.5 points or greater out of 70 points proceeded to Stage 2 - Price Evaluation. The price proposal provided by the Suppliers is evaluated out of 30 points, based on the criteria outlined in the RFP. The highest ranked supplier was determined by adding the points awarded under Stage 1 – Technical Evaluation and Stage 2 – Price Evaluation.

<b>Suppliers</b>	<b>Stage 1 Technical (70 points)</b>	<b>Stage 2 Price (30 points)</b>	<b>Total Score (100 points)</b>	<b>Overall Ranking</b>
<b>Moon-Matz Ltd.</b>	<b>59.9</b>	<b>30.0</b>	<b>89.9</b>	<b>1</b>
AMEC Foster Wheeler Environment & Infrastructure	61.9	21.6	83.5	2
EXP Services Inc.	54.1	28.7	82.8	3
RAL Engineering Ltd.*	47.6	0.00	47.6	4

\*Suppliers that did not receive a minimum technical score of 52.5 points were not assessed for Stage 2 Price evaluation.

Bid prices ranged from \$127,810 to \$163,633 inclusive of HST.

Moon-Matz Ltd. demonstrated a good understanding of the project, provided an experienced and qualified project team and illustrated a comprehensive plan and methodology for the project. Moon-Matz Ltd. recently completed the design and contract administration/inspection for the Carlton Road SPS upgrades project and staff are satisfied with their services.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

N/A

**ENVIRONMENTAL CONSIDERATIONS**

N/A



## STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	166-R-17 Consulting Services for Hydraulic Transient Monitoring and Analysis
Date:	June 2, 2017
Prepared by:	Shu Min Gao, Water System Engineer. Ext. 6230 Tony Casale, Senior Construction Buyer, ext. 3190

### PURPOSE

To obtain approval to award the contract for consulting services for transient monitoring and analysis.

### RECOMMENDATION

Recommended Supplier	Pure Technologies Ltd. (Highest Ranked/Third Lowest Priced Supplier)	
Current Budget Available	\$ 129,825.76	760-101-5699-15296 Transient Analysis & Flow Test
Less: Cost of award	\$ 91,075.20	(Incl. of HST)
	\$ 9,107.52	Contingency @ 10%
	\$ 100,182.72	Cost of Award (Incl. of HST)
Budget Remaining after award	\$ 29,643.04	*

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

### BACKGROUND

Hydraulic transients are pressure waves created when sudden changes in flow rates occur in the watermain system. Hydraulic transients contribute to watermain stress which can impact the useful life of the watermain. Specialized hydraulic transient analysis provides the basis for designing control measures to protect the watermain infrastructure.

The City solicited Bids from experienced consulting firms to conduct hydraulic transient monitoring and analysis at approximately 25 locations within the City, 5 in valve chambers, 20 on fire hydrants. The scope includes:

- Determine the best monitoring locations
- Inspect the monitoring locations and install monitoring devices
- Monitor hydraulic transient for two months
- Prepare a report including data analysis and recommendations

This project will identify the unacceptable hydraulic transients and also provide recommendations to control them.

It is anticipated that the project will commence in June 2017 and be completed by November 30, 2017.

### BID INFORMATION

Advertised	ETN
Bids closed on	May 18, 2017
Number picking up bid documents	5
Number responding to bid	3

### PROPOSAL EVALUATION

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

Suppliers	Total Score (100 points)
Pure Technologies Ltd.	90.22
Hydratek & Associates	84.60
Watermark Solutions Limited	67.00

Note: Bid prices ranged from to \$85,987 to \$91,075 (Incl. of HST).

Staff is recommending the highest ranked / third lowest priced supplier - Pure Technologies Ltd. Inc - as their proposal satisfactorily demonstrated their experiences and capabilities to undertake this project. They have a good understanding of the project related requirements, and provided a satisfactory methodology and work plan.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

N/A

**ENVIRONMENTAL CONSIDERATIONS**

N/A



**STAFF AWARD REPORT**

Page 1 of 3

To:	Andy Taylor, Chief Administrative Officer
Re:	289-S-13 Supply and Delivery of an Electronic Training & Records Management Platform for the Markham Fire Emergency Services - Contract Extension (2017 to 2020)
Date:	May 26, 2017
Prepared by:	Adam J. Grant, Deputy Fire Chief, Ext. 5982 Rosemarie Patano, Senior Construction Buyer, Ext. 2990

**PURPOSE**

To obtain approval to extend the contract for license agreement of Electronic Training & Records Management Platform for the Markham Fire Emergency Services (MFES) for a period of three (3) years starting July 1, 2017 at the same itemized pricing.

**RECOMMENDATION**

Recommended Supplier(s)	Global Risk Innovation (Non-Competitive Procurement)	
Current Budget Available	\$ 14,558.94	420-669-4272 - (For period July 1, 2017 to December 31, 2017)
Less: Cost of award	\$ 19,095.82	July 1, 2017 to December 31, 2017*
	\$ 38,191.64	January 1, 2018 to December 31, 2018**
	\$ 38,191.64	January 1, 2019 to December 31, 2019**
	\$ 19,095.82	January 1, 2020 to June 30, 2020**
	\$ 114,574.92	Total Cost of Award (Inclusive of HST)
Budget shortfall	\$ (4,536.88)	***

\*Pricing for the second half of year 1 is based on 278 users x \$137.38 Unit Cost (inclusive of HST impact). The 278 users include staff from suppression, dispatch, prevention/education, communications and training divisions. Quantity is subject to increase, based upon staffing levels.

\*\*Subject to Council approval of the 2018 to 2020 operating budgets.

\*\*\*The budget shortfall of \$4,536.88 will be reported as part of the 2017 year end results of operations. Future operating budgets may be adjusted accordingly, subject to Council approval of the 2018 to 2020 operating budgets.

**Staff 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) which states "Where the City is acquiring specialized equipment, in which case the sources of supply may be identified based on technical specifications."

**BACKGROUND**

This contract requires a firm which offers a program with a multitude of functions, allowing the Markham Fire and Emergency Services (MFES) staff to create, deliver, track and provide for training that meets all the training documentation requirements as established in Section 54(1) (p) of the Occupational Health and Safety Act. Further, as core requirements, this contract requires: training records that are backed up by a third party vendor making electronic records admissible in court; and, decreased liability exposure to lawsuits due to accurate training records and tracking of completion; no additional support or resources from Information Technology Services (ITS) and Human Resources (HR) departments; facilitates data exchanges between the MFES training software and the new Human Resources Information System (HRIS).

### BACKGROUND (Continued)

The general scope of work includes, but is not limited to, the following:

- Ability to monitor and provide National Fire Protection Association (NFPA) and other fire training programs;
- Exclusive course content available such as the AlphaACT Command Decision making curriculum;
- Responsive to mandatory training requirements as well as optimize internal communication;
- Permits staff to sign on to review documentation and/or complete on-line programs.

Through discussion with both ITS and HR, the MFES confirmed the Markham Learn Centre (MLC) training software currently does not provide a platform that includes the above features as required by MFES. Further, all departments (led by ITS) coordinated a market test prior to the release of the HR Department's Learning Management RFP (075-R-17) in February 2017, which confirmed the MFES training needs and business.

Since 2014, Global Risk Innovation (the incumbent), has been the provider for MFES with great success. Staff are of the opinion that Global Risk Innovation can continue to provide these services in a reliable, efficient and in a cost effective manner. They have a proven track record with the City in terms of pricing, quality and service, and their rates are competitive with those of other firms. The current contract expires June 30, 2017.

Staff is recommending extending the contract awarded in 2014 for the following reasons:

- Market Place - There are only two other firms that have specialized expertise to undertake this type of project and meet all the training documentation requirements as established in Section 54(1) (p) of the Occupational Health and Safety Act.
- Solid Industry Backing - which includes organizations such as International Association of Fire Chiefs (IAFC), the National Fire Protection Association (NFPA), the training curriculum used by Markham Fire & Emergency Services and Office of the Ontario Fire Marshal and Emergency Management (OFMEM).
- Value for money - Staff undertook an analysis of the prices provided to ascertain competitiveness; Global Risk Innovation rates (\$137.38 inclusive of tax) per user are competitive, as the City has found that subscription fees are typically within the range of \$122 to \$183 inclusive of tax, per unit. Further, from the very limited niche of vendors, Global Risk is the only provider of peer networking with the fire departments within the GTA and specialize with the frameworks designed for Fire Service's specific needs (correctly reflecting rank and role structure of students, instructors, and training staff within the Ontario Fire Service), meeting all MFES requirements and needs.
- Peer Networking - Currently in use by fire services in Ontario including Mississauga, Oakville, Ajax, Pickering, Richmond Hill, Woodstock, Owen Sound and Peterborough, which has allowed us access to a large peer network to share and exchange entire training programs/information electronically, a key product differentiator.
- Organizational Reliability - Global Risk is a North American wide company allowing for reliable (99.9% uptime) and accessible online help 24/7. Target Solutions utilizes a state-of-the-art hosting facility for our primary web-based service. This facility is secured and redundant, which provides reliable service to its users.
- Synergies / Consistency - Staff have been using the software exclusively for three (3) years and have become proficient in its use. Transition to another software would require a significant amount of time, to not only transfer data, but to train staff on its function and use.

**BACKGROUND (Continued)**

Also, Staff negotiated with the incumbent, maintaining a fixed and firm unit price of \$137.8 inclusive of taxes per subscription for three years. This will allow for consistent and projected budgeting into 2020, stabilizing budgeting over the contract period with the USD. Also, through negotiations, Staff were able to secure a free twelve (12) month trial (value \$500 USD) of the "Sim U Share" software platform, which allows for: (1) the creation of realistic Post Incident Reports of the actual fire or a simulation of a fire in a building in Markham; (2) increase MFES's ability to provide visual fire training to Company Officers to develop their scene management and benchmark setting skills; and, (3) offers MFES the opportunity to save and utilize the simulations created by MFES and utilize them department-wide for all staff post fire. Staff were also able to negotiate the inclusion of customer service support and on-site training (at no additional fees), which is typically charged as a separate fee with other vendor training platforms. Global Risk has included and committed to on-site training for free to increase MFES user ability and functionality in an effort to create a power user group which ensures maximum output capacity of the program. This would include a two (2) hour training session at \$335 CAD per session for 3 years, resulting in potential savings of \$2,010.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The budget shortfall of \$4,536.88 will be reported as part of the 2017 year end results of operations and future operating budgets may be adjusted accordingly, subject to Council approval of the 2018 to 2020 operating budgets.

**ENVIRONMENTAL CONSIDERATIONS**

N/A



## STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	185-S-17 Consulting Engineering Services for Cast Iron Watermain Rehabilitation
Date:	June 20, 2017
Prepared by:	Prathapan Kumar, Senior Manager ROW & Environmental Assets, Ext. 2989 Flora Chan, Senior Buyer, ext. 3189

### PURPOSE

To obtain approval to award the contract for Consulting Engineering Services for Cast Iron Watermain Rehabilitation.

### RECOMMENDATION

Recommended Supplier	The Municipal Infrastructure Group (Non-Competitive Procurement)	
Current Budget Available	\$ 282,778.32	Budget allocated for this award
Less: Cost of award	\$ 129,940.40	Detailed Design
	\$ 127,130.80	Contract Administration and Construction Inspection (estimated 19 weeks)*
	\$ 25,707.12	Contingency @ 10%
	\$ 282,778.32	Total Cost of Award (incl. of HST)
Shortfall	\$ 0.00	

\*The cost estimate for Contract Administration and Construction Inspection is based on an estimated construction period of 19 weeks. The construction period may change subject to detailed design and therefore the purchase order for CA works may need to be adjusted.

Staff further recommends that the City's Tender process be waived in accordance with Purchasing By-Law #2017-8, Part II, Section 11.1(h) Non-Competitive Procurement: where it is necessary or in the best interests of the City to acquire non-standard items or Consulting and Professional Services from a preferred supplier or from a supplier who has a proven track record with the City in terms of pricing, quality and service.

### BACKGROUND

On June 6, 2017, The City of Markham (The City) was informed that the Clean Water and Wastewater Fund (CWWF) application for stormwater and water distribution works described as "West Thornhill Flood Control on Three Streets with Structural Sewer Replacement in the City of Markham" and "Cast Iron Watermain Replacement on Two Streets in the City of Markham" has been approved for eligible funding and the work may begin immediately. Subject to the terms and conditions of the transfer payment agreement TPA, the federal and provincial governments will each provide up to a maximum of 50% and 25% respectively toward the total eligible costs of the project. One of the conditions of the funding is that the projects are to be completed by August 31, 2018 unless agreed in writing by representatives of the parties to the CWWF (Ontario) Transfer Payment Agreement.

CWWF: Government of Canada (50%)		\$2,059,950
CWWF: Province of Ontario (25%)		\$1,029,975
CWWF Total		\$3,089,925
City's Portion (25%):		
Waterworks Reserve		\$1,029,975
Total Funding		\$4,119,900

**BACKGROUND (Continued)**

Due to the receipt of the CWWF grant of \$3,089,925, the City will undertake a new infrastructure project Cast Iron Watermain Replacement/Rehabilitation Program in the amount of \$4,119,900 at the following locations:

1. Bayview Avenue: from Steeles Avenue East to John Street (1700 m),
2. John Street: from Bayview Avenue to Porterfield Cr (280 m).

A total of 1980 meters of existing cast iron watermain have been identified for rehabilitation. The rehabilitation of cast iron watermain is consistent with the City's strategy to upgrade aged and deficient watermain to improve supply capacity and reliability. Replacement or rehabilitation of these old cast iron watermain will also offer improved reliability (less risk of breaks) as well as improve water quality and flows for domestic and fire demand. Based on experience, cast iron watermain are susceptible to internal and external corrosion as they age and therefore lead to poor water quality and increased watermain breaks.

To achieve completion by August 31, 2018 for the cast iron watermain rehabilitation works, detail design work will need to commence immediately in order to release the tender for the construction contract by September 2017. Construction must commence in the fall of 2017.

To ensure construction is completed within the allowable timeframe, staff recommends:

- Cured In Place Pipe (CIPP) structural lining will be pursued as the construction method, which involves less excavation and construction time than open cut method; and
- The tendering process be waived in accordance with Purchasing By-Law 2017-8, Part II, Section 11(h) Non-Competitive Procurement: where it is necessary or in the best interests of the City to acquire non-standard items or Consulting and Professional Services from a preferred supplier or from a supplier who has a proven track record with the City in terms of pricing, quality and service.

Staff further recommends that:

- The Municipal Infrastructure Group (TMIG) be awarded the project as they are experienced in the design, approval, contract administration and inspection of watermain remediation works in high traffic urban settings similar to the locations identified in this project. Staff has received a quote for the scope of work from TMIG and is satisfied that it is reasonable and competitive. They have knowledge of the project, experience in completing similar projects in similar settings in City of Toronto, Region of Peel, and ability to initiate detail design immediately.
- The future Purchase Order for contract administration be updated to reflect the actual construction time required based on the final design.

**Project Schedule:**

Detailed design: To commence immediately upon award

Construction: Tender to be released in Fall 2017 and construction to be completed by August 31, 2018

**OPERATING BUDGET AND LIFECYCLE IMPACT**

The rehabilitated CIPP liner watermain are estimated to last for 50 years. As such, there is no incremental impact to the Life Cycle Replacement and Capital Reserve over the next 25 years.

**ENVIRONMENTAL CONSIDERATIONS**

The consultant will oversee the construction contract and review, monitor and ensure compliance with contractor environmental submissions. Additionally, they will maintain environmental compliance records complying with environmental statutes and regulations.



## STAFF AWARD REPORT

To:	Andy Taylor, Chief Administrative Officer
Re:	209-S-17 Supply and Install Gateway Sign Letters and a Gateway Water Feature
Date:	July 14, 2017
Prepared by:	David Plant, Manager, Parks Operations, Ext. 4893 Patti Malone, Senior Buyer, Ext. 2239

### PURPOSE

To obtain approval to award the following contracts as part of the Canada 150 Project:

- 1) Supply and install a City sign with granite letters spelling out "MARKHAM" at John Daniels Park (Gateway Sign).
- 2) Supply and install a water feature at John Daniels Park (Gateway Water Feature).

### RECOMMENDATION

Recommended Supplier (s)	Allstone Quarry Products Inc. (Non-Competitive Procurement) - (Gateway Sign letters "MARKHAM" and associated works)  Service Plus Aquatics Inc (SPA) (Non-Competitive Procurement) - (Gateway Water Feature and mechanical works)	
Current Budget Available	\$ 878,000.00	050-6150-17153-005 John Daniels Park
Less: Cost of award	\$ 74,500.00 \$ 131,875.00 \$ 206,375.00	Gateway Sign award amount Gateway Water Feature award amount Total Award (Inclusive of HST)
Budget remaining after this award	\$ 671,625.00	*

\*The budget remaining of \$671,625.00 will be used for the entrance feature, Gazebo, paver surfacing, site servicing, infrastructure, accessibility entrance nodes, site amenities, concrete works, landscape plantings, flagpoles and plumbing and electrical services.

### Staff further recommends:

THAT the tendering process be waived in accordance with Purchasing By-Law 2004-341, Part II, Section 7 (1) (g) "where It is in the City's best interest not to solicit a competitive bid."

### BACKGROUND

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

The gateway work at John Daniels Park includes the replacement of the water fountain, gazebo, City signage, landscaping, paths, accessibility features and flagpoles all with a strong Canada theme.

The City anticipates releasing a competitive tender in the summer of 2017 for the majority of the construction portion of the work. The suppliers of the Gateway Sign and Gateway Water Feature will be incorporated into this tender as subcontractors to the successful general contractor. As time is of the essence for the completion of the project, establishing the components, design and source of these features is critical to completion.

**BACKGROUND (Continued)****Gateway Sign**

**Good Value:** Allstone Quarry Inc. has provided quotes for the supply and cutting of Ontario granite into monolithic letters spelling the City name "MARKHAM" at a cost of 75% of the original sign allocation budget, as initially projected by retained consultant Coburn Giberson based on similar work contracted by their firm. This results in savings of \$25,500 (\$100,000 original budget less \$74,500 cost of gateway sign) for this component of the project.

Through research, Staff was able to find a municipality in Newfoundland who purchased a 2M x 3M single slab of granite with the name sand blasted onto the face for \$18,500.00. This required no cutting and the quarrying of only one piece of granite. Given the level of detail on 7 individual pieces of granite, this proposal is not only competitive and represents good value for the City, but it comes with a guarantee for the work to be completed within the allocated timeframe. Given the shared funding criteria for this project, these combined factors represent good value to the municipality.

**Quality Services:** Allston Quarry Inc. has a proven track record for quality service and design excellence with the project architect and many municipalities, most recently The City of Ottawa and the National Capital Commission.

**Project Consistency:** Allston Quarry Inc. can ensure that the vision, design and detailed cutting of the City name letters is produced with the quality and durability required for this important gateway project and as the supplier and cutter of the granite they can provide timely completion.

**Gateway Water Feature**

**Good Value:** Service Plus Aquatics Inc. has provided quotes for the supply and installation of an innovative water feature at 44% of the original budget estimate of \$300,000. This results in a savings of \$168,125 (\$300,000 - \$131,875) for a feature of similar elements which is extremely competitive and good value for the municipality.

A recently awarded waterplay at Vettese Court neighborhood park of a similar in size and consisting of 6 ground jets, a central spray feature, activation bollards cost \$117,940.00 for the comparable elements. The gateway water feature is more complex and dynamic and includes self-draining fountain heads, lighting, variable controllers and all mechanicals

**Quality Services:** Service Plus Aquatics Inc. has a proven track record for quality service and design excellence with many municipalities and developers providing high performing aquatic features. This innovative feature will incorporate 7 self-draining fountain rings with integrated lighting and will provide a cutting edge look to this gateway.

**Project Consistency:** Service Aquatic Inc can ensure that the, design, installation, set-up and calibration of the gateway water feature results in an impactful element that will be installed in a timely manner providing the project within the allocated timeframe.

Given the specialty of both of these critical gateway elements, it is imperative to have the design and supply predetermined with quality subcontractors identified to ensure timely completion of these complex elements as time is of the essence. The time restraints to deliver substantial completion and qualify for the expected matching Federal funding component will require the General Contractor to work efficiently on site works with the key elements identified and sourced with reputable firms who are named in the tender. In order to ensure the contractor has access to the necessary experience and qualifications, for these key elements of the gateway project, Staff recommend awarding to these two preferred suppliers.

**OPERATING AND LIFE CYCLE IMPACT**

The gateway water feature will be added to the Life Cycle reserve study as part of the 2018 update, in the amount of \$131,875, with a useful life of 20 years. The incremental impact to the operating budget will be \$4,500 per annum; for annual servicing. The 2018 operating budget will be adjusted accordingly. The gateway sign will be added to the Life Cycle reserve study as part of the 2018 update in the amount of \$74,500, with a useful life of 30 years. There is no incremental impact to the operating budget.

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

**ENVIRONMENTAL CONSIDERATIONS**

N/A



## STAFF AWARD REPORT

Page 1 of 2

To:	Brenda Librecz, Commissioner Community & Fire Services
Re:	153-T-17 Artificial Turf Maintenance
Date:	May 30, 2017
Prepared by:	James Bingham, Supervisor, Parks, ext. 7997 Patti Malone, Senior Buyer, ext. 2239

### PURPOSE

To obtain approval to award the contract for the artificial turf maintenance for (1) ONE year, with an option to renew for an additional TWO (2) years at the same itemized pricing.

### RECOMMENDATION

Recommended Supplier	Dol Turf Restoration Ltd. (Sole Bidder)	
Current Budget Available	\$ 56,000.00	Various accounts (see under Financial Considerations)
Less: Cost of award	\$ 56,000.00	2017 Inclusive of HST
	\$ 56,000.00	2018 Inclusive of HST*
	\$ 56,000.00	2019 Inclusive of HST*
	\$ 168,000.00	Total Award Inclusive of HST
Budget shortfall	\$ 0.00	

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

### BACKGROUND

The work is for the maintenance on the artificial turf fields at Mount Joy (1 field), Bill Crothers (2 fields) and St. Roberts (1 field). The work includes the following on an as required basis:

1. Ultra Violet Disinfect and Brush

This process sanitizes the artificial field to destroy any germs or bacteria build up in the artificial turf.

2. Deep Grooming

This process is done to brush fibres and redistribute infill levels to ensure a smooth surface free of debris and undesirable materials.

3. Deep Cleaning

This process keeps the surfaces intended play and performance characteristics throughout the year. Deep cleaning decompacts the infill, lifts and opens up the carpet pile, extracts a degree of contamination build-up from the infill, and re-distributes the infill over the entire system.

4. Groom with Brush

This process grooms the field in two intersecting directions to brush fibres and redistribute infill levels to ensure a smooth surface.

5. Supply Rubber Crumb

Crumb rubber is often used in artificial turf as cushioning.

6. Install Rubber Crumb

Crumb rubber is often used in artificial turf as cushioning.

7. Gmax Testing

Impact testing (commonly referred to as g-max testing) measures the shock-attenuation performance of sports surfaces - including synthetic (artificial) turf and natural turf athletic fields.



**BID INFORMATION**

Advertised	ETN
Bids closed on	May 2, 2017
Number picking up bid documents	2
Number responding to bid	1*

\*Purchasing contacted suppliers who picked up the document, however did not submit a bid. The following are the responses; Bid taker does not have the required specialized equipment to carry out the work.

This is a niche market with a limited number of suppliers, the equipment is specialized and can cost \$50,000 to purchase.

**PRICE SUMMARY (Inclusive of HST)****Dol Turf Restoration (Pricing)**

Work (Process)	St Roberts (Soccer)	Bill Crothers (soccer)	Bill Crothers - Football	Mount Joy (Soccer)	Total Quantity	Unit Price	Unit of Measure	Total price incl.HST Impact
1 Ultraviolet Disinfect & Brush	7,000	7,000	7,000	7,000	28,000	\$0.12	m2	\$3,419.14
2 Deep Grooming & Grading	7,000	7,000	7,000	7,000	28,000	\$0.12	m2	\$3,419.14
3 Deep Cleaning & Brush	7,000	7,000	7,000	7,000	28,000	\$0.25	m2	\$7,123.20
4 Groom with Brush	7,000	7,000	7,000	7,000	28,000	\$0.09	m2	\$2,564.35
5 Supply Rubber Crumb	1,000	1,000	1,000	1,000	4,000	\$0.82	kg	\$3,297.02
6 Install Rubber Crumb	1,000	1,000	1,000	1,000	4,000	\$0.90	kg	\$3,581.95
7 Gmax Testing	1	1	1	1	4	\$661	per field	\$2,645.76
<b>Total</b>								<b>\$26,050.56</b>

Note: A field is 7,000 m2 and the bid document was issued to complete the scope of work once throughout the year. Staff are recommending awarding the contract to the full budget amount (\$56,000) and to monitor expenditure in the first year of the contract and to review the budget in 2018 as some items will be required to be completed more than once per year.

**FINANCIAL CONSIDERATIONS**

Account Name	Account #	Original Budget Amount	Budget Available for this Award	Cost of the Award	Budget Remaining
Sportsfield Maintenance - Contracted Services	730-7325399	\$ 131,579.00	\$ 40,000.00	\$ 40,000.00	\$ -
St. Roberts - Contracted Services	730-7405399	\$ 57,000.00	\$ 16,000.00	\$ 16,000.00	\$ -
<b>Totals:</b>		<b>\$ 188,579.00</b>	<b>\$ 56,000.00</b>	<b>\$ 56,000.00</b>	<b>\$ -</b>

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The budget will be reviewed in 2018 as part of the 2019 operating budget process to determine the appropriate budget amount for this service, subject to Council approval of the 2019 operating budget.

The 2017 Life Cycle update includes an amount of \$3,452,252 for replacement of fields at all three locations (St. Roberts, Bill Crothers and Mount Joy) over the next 25 years.

**ENVIRONMENTAL CONSIDERATIONS**

The cleaning and disinfecting work uses an ultra violet light which is more environmentally friendly with no VOCs and/or use of chemicals. The crumb rubber is recycled rubber produced from automotive and truck scrap tires.



## STAFF AWARD REPORT

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To:	Graham Seaman, Director, Sustainability & Asset Management
Re:	034-Q-17 Markham Museum – Strickler House Building Envelope Improvements
Date:	July 28, 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 Building Envelope Improvements at Strickler House within the Markham Museum.

### RECOMMENDATION

Recommended Supplier	Colonial Building Restoration (Lowest Priced Supplier)	
Current Budget Available	\$ 89,451.93	510-101-5699-17023 Museum - Strickler House
Less: Cost of award	\$ 80,937.87	Award amount *
	\$ 8,093.79	Contingency (10%)
	\$ 89,031.66	Total award
Budget Remaining after this award	\$ \$420.27	**

\*The award amount includes \$356.16 as a cash allowance for pest removal.

\*\* The remaining balance in the amount of \$420.27 will be returned to the original funding source.

### BACKGROUND

The Strickler House is considered as part of the City of Markham historical structures. The exterior cladding and storefronts are noted to be unique and a valuable feature of the time period. The original construction is noted to be built between 1851 and 1861. The house was relocated further west on the property in the mid 1970's.

The scope of work on this project includes the following:

- Wood siding repairs, repainting and selective replacement
- New windows with double pane system for improved energy efficiency
- Replace front porch wood flooring
- Minor structural beam repairs
- Interior minor damaged wood flooring replacement

The Work is scheduled to commence in September and be completed by October 27, 2017

### BID INFORMATION

Advertised	ETN
Bids closed on	July 25, 2017
Number picking up bid documents	12
Number responding to bid	6

### PRICE SUMMARY

Suppliers	Bid Price
Colonial Building Restoration	\$ 80,937.87
Rainforces Ltd.	\$ 89,701.44
Adems Restoration	\$ 91,584.00
Pop's Restoration	\$ 93,736.22
Zero Defects	\$ 99,688.50
MJK Construction	\$ 127,757.64

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The condition of the wood siding planks were closely assessed by the Designer (TSS Building Science Inc.) and City of Markham Representatives to determine whether the boards could be repaired rather than replaced for cost efficiencies. It was determined that the majority of wood planks are in good condition and could be repaired rather than replaced. This value engineering measure included a cost savings of approximately \$8,000.

The existing windows are damaged and require replacement. The new double pane windows will improve the overall energy efficiency in the building during the summer and winter months. It is anticipated that the energy costs savings will be approximately \$50 per month for a total estimated savings of \$600 per year. The anticipated lifespan of the windows are 20+ years.

**ENVIRONMENTAL CONSIDERATIONS**

All new wood was specified to be a minimum of 50% Forest Stewardship Council (FSC) certified wood based materials to encourage environmental responsibility and sustainability

Paint and sealant products were specified to follow the City of Markham's Sustainable Purchasing Guide in the tender documents

Majority of wood materials are being repaired and reused on the building in order to reduce the amount of landfill disposal for the project.



## STAFF AWARD REPORT

Page 1 of 2

To:	Trinela Cane, Commissioner, Corporate Services
Re:	047-T-17 Roofing Maintenance Program
Date:	June 30, 2017
Prepared by:	Michael Ryan, Facility Engineer, Ext 2563 Flora Chan, Senior Buyer, ext. 3189

### PURPOSE

To obtain approval to award the contract for the Roofing Maintenance Program for five (5) months (to align with fiscal year) with a three (3) year renewal option at the same itemized pricing, terms, and conditions.

### RECOMMENDATION

Recommended Supplier	Sproule Specialty Roofing Limited (Lowest Priced Supplier)	
Current Budget Available	\$ 25,500.00	270-101-5399-17189 Roofing Maintenance and Repair
Less: Cost of award	\$ 25,456.96	2017 (August – December) Inclusive of HST
	\$ 61,096.70	2018 Inclusive of HST*
	\$ 61,096.70	2019 Inclusive of HST*
	\$ 61,096.70	2020 Inclusive of HST*
	\$ 208,747.07	Total Award
Shortfall	\$ 43.04	**

\* Subject to council approval of the annual capital budgets.

\*\* Remaining balance of \$43.04 will be returned to the original funding source.

### BACKGROUND

This is a maintenance contract and the work includes, but is not limited to inspection, maintenance and repair of roofs at various City facilities. The preventive maintenance work will include clearing of eaves troughs, drains and downspouts in fall and disposal of all debris. On an annual basis, the contractor will provide a report of roof conditions based upon an inspection of the City's total roofing inventory. This inspection report will be based on the findings identified during the roofing maintenance work.

The contract also includes a 24/7 response on all emergency leak repairs within the City of Markham facilities.

### BID INFORMATION

Advertised	ETN
Bids closed on	June 21, 2017
Number picking up bid documents	18
Number responding to bid	11

### PRICE SUMMARY (Inclusive of HST)

Suppliers	Preventative Maintenance	Service & Repair	Total Price
Sproule Specialty Roofing Limited	\$ 23,404.80	\$ 37,691.90	\$ 61,096.70
Maxim Roofing Limited	\$ 38,198.67	\$ 33,112.70	\$ 71,311.37
Atlas-Apex Roofing Inc.	\$ 13,890.24	\$ 58,695.17	\$ 72,585.41
CECC Roof Maintenance Solutions Inc.	\$ 64,001.95	\$ 60,445.44	\$ 124,447.39
Bothwell-Accurate Co. Inc.	\$ 132,365.34	\$ 38,149.82	\$ 170,515.16
Industrial Roofing Services Limited	\$ 69,793.11	\$ 127,810.56	\$ 197,603.67
Triumph Roofing & Sheet Metal Inc.	\$ 152,079.82	\$ 50,371.20	\$ 202,451.02
Solar Roofing & sheet Metal Ltd	\$ 187,543.68	\$ 49,862.40	\$ 237,406.08
Trio Roofing Systems Inc.	\$ 236,764.99	\$ 34,634.02	\$ 271,399.01
Cordeiro Roofing	\$ 190,859.52	\$ 93,578.50	\$ 284,438.01
Nortex Roofing Ltd.	\$ 490,992.00	\$ 35,107.20	\$ 526,099.20

**OPERATING BUDGET AND LIFECYCLE IMPACT**

N/A

**ENVIRONMENTAL CONSIDERATIONS**

N/A



## STAFF AWARD REPORT

Page 1 of 2

To:	Trinela Cane, Commissioner, Corporate Services
Re:	048-T-17 Roof Replacement for Markham Village Community Centre
Date:	July 12, 2017
Prepared by:	Michael Ryan, Facility Engineer, Asset Management Ext. 2563 Flora Chan, Senior Buyer, Purchasing Ext. 3189

### PURPOSE

To obtain approval to award the contract for replacement of various roofs at Markham Village Community Centre.

### RECOMMENDATION

Recommended Supplier	Industrial Roofing Services Limited (Lowest Priced Supplier)	
Current Budget Available	\$ 132,468.81	750-101-5399-17190 Roofing Replacement Projects
Less: Cost of award	\$ 128,481.16	(Includes HST)
	\$ 12,848.12	Contingency @ 10%
	\$ 141,329.28	Total Cost of Award
Budget Shortfall after this award	(\$ 8,860.47)	*

\* The budget shortfall of (\$8,860.47) will be funded from the Non-DC Capital Contingency.

### BACKGROUND

The roofs at the Markham Village Community Centre have deteriorated and there have been reports of leakage. The scope of work is to remove the existing flat roofs and replace them with modified bitumen 2-ply roofing systems.

Work will start in September with an estimated completion timeline of October 2017.

### BID INFORMATION

Advertised	ETN
Bid closed on	June 19, 2017
Number picking up document	19
Number responding to bid	11

### PRICE SUMMARY (Inclusive of HST)

Suppliers	Bid Price (Incl. of HST)
<b>Industrial Roofing Service</b>	<b>\$ 128,481.16</b>
Sproule Specialty Roofing Limited	\$ 132,186.24
Applewood Roofing and Sheet Metal	\$ 145,771.20
Nortex Roofing Ltd.	\$ 156,201.60
E-D Roofing Ltd.	\$ 158,726.27
Always Roofing Ltd.	\$ 185,970.22
Dean-Chandler Roofing Ltd.	\$ 188,593.84
AMA Roofing Inc.	\$ 204,456.19
Semple Gooder Roofing Corporation	\$ 241,523.29
Crawford Roofing Corporation	\$ 250,329.60
Provincial Roofing	\$ 592,090.56

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

N/A

**ENVIRONMENTAL CONSIDERATIONS**

To reduce the environment impact of the work environmentally friendly products were specified. As specified in the bid document, the old/existing roofs will be disposed of at an authorized dump, waste treatment site or recycling facility by the Contractor, and will be disposed of in accordance with applicable by-laws and regulations.

**STAFF AWARD REPORT**

Page 1 of 2

To:	Trinela Cane, Commissioner, Corporate Services
Re:	065-T-17 Security and Access Improvements at the Markham Civic Centre
Date:	May 26, 2017
Prepared by:	Renée England, Sr. Manager Facilities Assets, Ext. 2674 Flora Chan, Senior Buyer, Ext. 3189

**PURPOSE**

To obtain approval to award the contract for Security and Access Improvements at the Markham Civic Centre.

**RECOMMENDATION**

Recommended Supplier	MJK Construction (Lowest Priced Supplier)	
Current Budget Available	\$ 473,342.00	Corporate Accommodations (750-101-5399-14242)
Less: Cost of award	\$ 225,797.79	Cost of Award
	\$ 22,579.78	10% Contingency
	\$ 248,377.57	Total Award (inclusive of HST)
Budget Remaining after this award	\$ 224,964.43	*

\* Remaining budget of \$224,964.43 will be returned to original funding source. The favorable variance was mainly due to competitive bidding compared to our consultant's estimate of the project cost.

**BACKGROUND**

The Markham Civic Centre was designed as an open concept building. Both public and staff are able to access many areas of the building freely. In response to Bill 168 – Ontario's Law on Workplace Violence and Harassment and an increased focus on security for the protection of both Staff and the public, this project modifies building access to address these concerns. The first phase of this project was completed several years ago, and addressed access to the third and fourth floors of the tower. In this second phase, access to the elevator lobbies on the main floor of the Civic Centre building will be physically separated through the construction of doors, partition walls and secure access entry. All service counters on the main floor will continue to be accessible to customers, as they are today. A Visitor Protocol, similar to the current practice for the third and fourth floors of the tower in Civic Centre, will be developed and implemented as part of this project. This protocol will ensure City customers are able to access necessary departmental staff to meet their service needs. The existing protocol may be need to be further refined to provide for a consistent visitor experience in all areas of the Civic Centre.

The work is scheduled to start in September and be completed the end of December 2017. Work will be performed after regular business hours to minimize disruptions to daily operations and general public. Full access to all service counters on the main floor will be available during the construction period for all of our customers.

**BID INFORMATION**

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

\*Two bids were disqualified due non-compliance to mandatory bid bond requirements. One bid was submitted without mandatory bid bond and one bid was submitted with insufficient bid bond amount.

**PRICE SUMMARY (inclusive of HST)**

Suppliers	Total Bid Price
MJK Construction	\$ 225,797.79
R-CHAD General Contracting Inc.	\$ 251,275.45
Frontier Group of Companies Inc.	\$ 285,873.85
Ritestart Limited	\$ 294,647.59
Basekamp Construction	\$ 311,013.65
Rutherford Contracting Ltd.	\$ 356,366.05



**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The estimated annual electrical increase due to additional card readers will be minimal.

Life cycle costs for the Corporate Security portfolio will increase due to the increased inventory that will be added as a result of this project. The Life Cycle impact will be an incremental increase of \$114,000 over the next 25 years.

**ENVIRONMENTAL CONSIDERATIONS**

Environmentally sustainable products like low VOC paint will be used, when appropriate.



## STAFF AWARD REPORT

Page 1 of 2

To:	Brenda Librecz, Commissioner, Community and Fire Services
Re:	091-T-17 Furniture at Aaniin Community Centre & Library
Date:	May 24, 2017
Prepared by:	Jason Vasilaki, Project Manager, Facility Assets Ext. 2845 Flora Chan, Senior Buyer, Ext. 3189

### PURPOSE

To obtain approval to award the contracts for Furniture at Aaniin Community Centre & Library.

### RECOMMENDATION

Recommended Suppliers	NUA Office Inc (Lowest Priced Supplier) and SCI Interiors Limited (Lowest Priced Supplier)	
Current Budget Available	\$ 2,195,418.00 \$ 607,744.00 \$ 2,803,162.00	SECCL Recreation FF&E (070-5350-13888-005) SECCL Library FF&E (070-5350-13889-005)
Less: Cost of award	\$ 58,330.77 \$ 171,857.94 \$ 56,059.08 \$ 27,250.50 \$ 31,349.83 \$ 125,828.84 \$ 219,019.28 \$ 344,848.12	Cost of Award to NUA Office Inc. for Recreation Cost of Award to NUA Office Inc. for Library Cost of Award to SCI Interiors Limited for Recreation Cost of Award to SCI Interiors Limited for Library 10% Contingency Total Award for Recreation Total Award for Library Total Award
Budget Remaining after this award	\$ 2,456,099.30	*

\* The budget remaining will be used for further budgeted FFE requirements. Upon completion of the Aaniin Community Centre and Library any remaining budget will be returned to the original funding source.

### BACKGROUND

The City is procuring furniture for use within the Aaniin Community Centre and Library. Standard furniture items were procured under the terms of the current furniture vendor contract, separately from this award. Other furniture (i.e. Non-standard items) could not be procured under the terms of the City's furniture contract and therefore underwent a competitive bidding process. This award includes these non-standard furniture items, resulting from the tender call.

The Work is scheduled to start immediately upon award approval with deliveries starting in August, 2017.

### BID INFORMATION

Advertised	ETN
Bid closed on	April 12, 2017
Number picking up document	6
Number responding to bid	3

### PRICE SUMMARY (inclusive of HST)

Suppliers	Total Bid Price	Awarded amount**
NUA Office Inc	\$ 231,215.33*	\$ 231,215.33
SCI Interiors Limited	\$ 345,835.50	\$ 82,838.27
Chelsea Carlton Interiors Inc.	\$ 454,867.20	\$ 0

\*The lowest priced bidder did not price all items in scope as the tender intended to.

\*\* As allowed in City's General Terms and Conditions, staff recommends to award contract to two lowest priced suppliers for each furniture item and save \$ 34,454.90 by splitting the award.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The average lifespan for the recreation and library FFE purchased is 12 years. The total Life Cycle impact over 25 years is therefore \$689,696.24 ( $344,848.12 \times 2$ ). The Life Cycle Reserve Study will be adjusted at the next update.

**ENVIRONMENTAL CONSIDERATIONS**

N/A



## STAFF AWARD REPORT

To:	Phoebe Fu, Director, Environmental Services
Re:	142-T-17 York Durham Sanitary Sewer – Access Hatch and Vent relocation at Pan Am Centre
Date:	August 18, 2017
Prepared by:	Max Stanford, Project Manager, ext. 2710 Flora Chan, Senior Buyer, Purchasing, ext. 3189

### PURPOSE

To obtain approval to award the contract for the York Durham Sanitary Sewer – Access Hatch and Vent relocation at Pan Am Centre.

### RECOMMENDATION

Recommended Supplier	Robert B. Somerville Co. Limited ( Lowest Priced Supplier)	
Current Budget Available	\$ 176,000.00	500-101-5399-16269 (Other Works)
Less: Cost of award	\$ 48,547.66	Cost of Award (Inclusive of HST)*
	\$ 4,854.77	10% Contingency
	\$ 53,402.43	Total Award Inclusive of HST
Budget Remaining after this award	\$ 122,597.57	**

\*The award amount includes \$7,123.20 as a cash allowance for new vent stack as specified by the Region of York.

\*\*The remaining budget in the amount of \$122,597.57 will remain in the account for final works related to the Pan Am Facility to address deficiencies. The positive variance was mainly due to the allowance of a precast concrete option that was not needed.

### BACKGROUND

The York Sanitary Sewer is a large sewer that passes under the east part of the Pan Am Piazza. In agreement with the Region of York, the existing vent and access hatch were allowed to be covered up within a planter during the Pan Am Games to control the pungent odour that comes from the sewer vent at times. The agreement was to restore the vent and the access hatch post games.

During the games, an investigation revealed that the vent and associated odour can be relocated to the east side of Main Street.

The project scope includes restoration of the access hatch to fit the existing planter design and relocation of the vent as approved by the Region of York. The work is scheduled to start on September and be completed by October 2017.

### BID INFORMATION

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

### PRICE SUMMARY (Including HST)

Suppliers	Bid Price
Robert B. Somerville Co. Limited	\$ 48,547.66
Dontex Construction Ltd.	\$ 88,484.39
Tascan Corp.	\$ 93,619.20

### OPERATING BUDGET AND LIFE CYCLE IMPACT

N/A

### ENVIRONMENTAL CONSIDERATIONS

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 (all at the Contractor's expense).

**STAFF AWARD REPORT**

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	143-T-17 Fire Station 94 and 96 Renovations for Gender Diversity – Phase 2
Date:	June 15, 2017
Prepared by:	Jason Vasilaki, Project Manager, Facility Assets Ext. 2845 Flora Chan, Senior Buyer, ext. 3189

**PURPOSE**

To obtain approval to award the contract for fire station renovations for gender diversity.

**RECOMMENDATION**

Recommended Supplier	Ritestart Limited (Lowest Priced Supplier)	
Current Budget Available	\$ 8,954.88	420-101-5399-16089 Fire Station Renovations for Gender Renovations – Phase 1
	\$ 537,112.40	420-101-5399-17072 Fire Station Renovations for Gender Diversity – Phase 2
	\$ 546,067.28	
Less: Cost of award	\$ 362,774.40	Cost of Award
	\$ 36,277.44	Contingency (10%)
	\$ 399,051.84	Total Award
Budget Remaining after this award	\$ 147,015.44	*

\* The remaining budget will be utilized for the remediation of contaminated soil discovered in Phase 1 (2016) of the project at Fire Station 97. Any remaining funds following the remediation will be returned to the original funding source.

**BACKGROUND**

Upgrades are necessary at these facilities to meet the needs of increased diversity within the staffing compliment. The scope of work includes the renovation of interior spaces at Fire Station #94 and Fire Station #96 to provide adequate living spaces for both genders, such as washrooms, change rooms, and locker rooms.

Construction is scheduled to start in September and be completed by December 2017. Work will be performed at both locations in parallel during regular business hours. Buildings will remain operational during Work period.

This project represents Phase 2 of a Two-Phase program. Phase 1 (Fire Station #91 and Fire Station #97) was completed in Spring 2017.

**BID INFORMATION**

Advertised	ETN
Bids closed on	June 14, 2017
Number picking up bid documents	19
Number responding to bid	9*

\*One bid was disqualified due to inability to meet mandatory bid requirement where the Agreement to Bond was not submitted with their bid submission.

**PRICE SUMMARY (Inclusive of HST)**

Suppliers	Bid Price *	Separate Price**	Total Award
<b>Ritestart Limited</b>	<b>\$354,633.60</b>	<b>\$ 8,140.80</b>	<b>\$362,774.40</b>
Massive Devcon Corp.	\$403,987.20	\$ 5,276.26	\$409,263.46
North America General Contractor Limited	\$405,530.66	\$ 5,291.52	\$410,822.18
MJK Construction	\$422,999.02	\$ 6,614.40	\$429,613.42
Cornerstone Building and Property Services Inc.	\$491,369.29	\$ 6,595.32	\$497,964.61
Anacond Contracting Inc.	\$509,817.60	\$ 6,868.80	\$516,686.40
Pop's Restoration	\$562,732.80	\$15,264.00	\$577,996.80
Koler Construction Inc.	\$565,276.80	\$12,211.20	\$577,488.00
Orion Construction & Management Co. Ltd.	\$607,507.20	\$ 6,614.40	\$614,121.60

\*Includes cash allowances totaling \$65,126.40 for various trades and testing due to any unknown or non-visible site conditions.

\*\*Separate Price was obtained to address a design change to lockers in Fire Station 97 in Phase 1. Staff believes it is good value to include in the award while the Contractor is mobilized to do similar work at other City locations.

**FINANCIAL CONSIDERATIONS**

Account Name	Account #	Budget Amount	Budget Available	Cost of Award (Incl. 10% contingency)	Budget Remaining
Fire Station Renovations for Gender Diversity – Phase 1	420-101-5399-16089	813,586.00	8,954.88	8,954.88	0.00
Fire Station Renovations for Gender Diversity – Phase 2	420-101-5399-17072	623,500.00	537,112.40	390,096.96	147,015.44
<b>Total</b>		<b>1,437,086.00</b>	<b>546,067.28</b>	<b>399,051.84</b>	<b>147,015.44</b>

The remaining budget will be utilized for the remediation of contaminated soil discovered in Phase 1 (2016) of the project at Fire Station 97. Any remaining funds following the remediation will be returned to the original funding source.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

Life Cycle reserve study will be impacted through new assets added to City facilities as part of the project by \$50K over the next 25 years, including additional doors (\$20K replacement every 20 years), washroom fixtures (\$9K replacement every 10 years), lockers (\$24K replacement every 35 years) and additional painting (\$4K every 7 years) needs.

**ENVIRONMENTAL CONSIDERATIONS**

All products specified meet green quality standards for recycled content and/or sustainable resource development and manufacturing processes. All mechanical fixtures are specified to meet low water use. Sustainability and Asset Management staff have selected the most energy efficient lighting technology (LEDs) and will pursue all eligible utility incentives. This retrofit supports the Greenprint, Markham's Community Sustainability Plan, and the Corporate Energy Management Plan.



### STAFF AWARD REPORT

To:	Andy Taylor, Chief Administrative Officer
Re:	144-Q-17 Humidification System Upgrade at 8100 Warden Ave.
Date:	August 3, 2017
Prepared by:	Amaris Liu, Facility Asset Coordinator, Asset Management Ext. 3526 Flora Chan, Senior Buyer, Purchasing Ext. 3189

#### PURPOSE

To obtain approval to award the contract to replace the Humidification System at 8100 Warden Ave.

#### RECOMMENDATION

Recommended Supplier	Canadian Tech Air Systems (Lowest Priced Supplier)	
Current Budget Available	\$ 98,924.45	750-101-5399-16186 – 8100 Warden Facility Improvements – Humidification System Replacement
Less: Cost of award	\$ 106,664.83 \$ 10,666.48 \$ 117,331.32	(Includes HST) Contingency @ 10% Total Cost of Award
Budget Shortfall after this award	(\$ 18,406.87)	*

\* The budget shortfall of (\$18,406.87) will be funded from the Non-DC Capital Contingency.

The Shortfall is due to the following which was not initially budgeted for: retaining a consultant, reconfiguration of the mechanical space, having to remove existing (decommissioned) equipment to make room for new equipment, and for the addition of a water softener.

#### BACKGROUND

The existing spray type humidification system at 8100 Warden is obsolete and has not been running efficiently. With the development of more stringent indoor air quality (IAQ) standards and to promote a healthier workplace, the City will replace the existing system with steam system that will be integrated with our existing BAS system. The steam system works with the existing air distribution system and provides best quality of humidification (most hygienic as germs in water are killed through boiling) in the building.

Work will start in August with an estimated completion timeline of September 2017.

#### BID INFORMATION

Advertised	ETN
Bid closed on	July 25, 2017
Number picking up document	7
Number responding to bid	3

#### PRICE SUMMARY (Inclusive of HST)

Suppliers	Bid Price (Incl. of HST)
Canadian Tech Air Systems	\$ 106,664.83
Geo. A. Kelson	\$ 130,252.80
LCD Mechanical Inc.	\$ 144,767.74

#### OPERATING BUDGET AND LIFE CYCLE IMPACT

There are no incremental operating budget and Life Cycle impacts. The consumption of natural gas of the new system will be offset by the reduction in water consumption.

#### ENVIRONMENTAL CONSIDERATIONS

In comparison with other types of humidification systems, the selected system ranks highest in humidification effectiveness and Indoor Air Quality (IAQ). There are no applicable energy incentives or savings at this time.

**STAFF AWARD REPORT**

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	158-T-17 Fire Safety System Inspection, Testing and Repairs
Date:	June 13, 2017
Prepared by:	Sameem Shah, Facility Asset Coordinator, Ext 6190 Flora Chan, Senior Buyer, ext. 3189

**PURPOSE**

To obtain approval to award the contract for fire safety system inspection, testing and repairs for one year with the option to renew for an additional three years at the same itemized prices, terms, and conditions.

**RECOMMENDATION**

Recommended Supplier	Onyx-Fire Protection Services Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 51,551.62	Budget allocated for this award (Jul - Dec) – Various Accounts
Less: Cost of award	\$ 51,551.62	2017 (Jul-Dec) Inclusive of HST
	\$ 103,103.23	2018 Inclusive of HST**
	\$ 103,103.23	2019 Inclusive of HST**
	\$ 103,103.23	2020 Inclusive of HST**
	\$ 51,551.62	2021 (Jan-Jun) Inclusive of HST**
	\$ 412,412.92	Total Award
Shortfall	\$ 0.00	***

\* Funded from the various Departments Operating budget accounts on an as-required basis.

\*\* Subject to Council approval of the annual operating budgets.

**BACKGROUND**

This contract includes, but is not limited to, inspection, testing and repairs of all fire safety systems including wet and dry sprinkler systems, fire alarm systems, emergency lighting units, exit lights, fire extinguishers, commercial cooking fire suppression and exhaust systems, smoke alarms, and carbon monoxide detectors located at various sites throughout the City.

All testing and maintenance for all the various requested sections of this quotation are to be performed in accordance with the requirements listed in The Ontario Fire Code, O. Reg. 213/07 including all amendments, and any other applicable codes and standards. The most recent codes and/or standards applicable to the work are to be used.

**Scope of Work includes:**

- Annual inspection of Fire Alarm Systems, Emergency Light and Fire Extinguishers at 64 locations
- Annual inspection of Sprinkler System, Hose Cabinets & Fire Pumps at 26 locations
- Quarterly inspection of Sprinkler System, Hose Cabinets & Fire Pumps at 11 locations for locations that are not staffed on a full-time basis. This provides increased safety for these buildings.
- Service and repairs as required

**BID INFORMATION**

Advertised	ETN
Bids closed on	May 29, 2017
Number picking up bid documents	9
Number responding to bid	4*

\*One bid was disqualified due to inability to meet mandatory bid requirements where the Canadian Automatic Sprinkler Association (CASA) membership had been expired since 2013.



**PRICE SUMMARY (Inclusive of HST)**

<b>Suppliers</b>	<b>Annual and Quarterly Inspections*</b>	<b>Service &amp; Repair**</b>	<b>Total Award</b>
<b>Onyx-Fire Protection Services Inc.</b>	\$ 29,205.12	\$ 73,798.11	\$ 103,103.23
Classic Fire Protection Inc.	\$ 35,743.20	\$ 78,935.23	\$ 114,678.43
Harding Fire Protection Systems Company Limited	\$ 59,784.00	\$ 76,238.59	\$ 136,022.59

\*Includes cash allowance of \$3,561.60 for elevator-related work

\*\*Estimated with quoted hourly rate and 2016 actual usage. A separate PO will be issued for Service & Repairs.

The recommended bidder, Onyx-Fire Protection Services Inc., has successfully completed similar contracts with other public and private organizations with other positive references. The recommended bidder is an active member of the Canadian Automatic Sprinkler Association (CASA) and the Canadian Fire Alarm Association (CFAA), which are mandatory requirements for this contract.

These requirements improve service level with no incremental impact to the budget ensuring higher quality standards and mitigation of risks associated with poor sprinkler works that City has experienced in the past.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

N/A

**ENVIRONMENTAL CONSIDERATIONS**

N/A



## STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	168-T-17 Microsoft Volume Licensing Enterprise Enrollment
Date:	June 14, 2017
Prepared by:	Sugun Rao, Manager ITS, Ext.4868 Rosemarie Patano, Senior Construction Buyer, Ext. 2990

### PURPOSE

To obtain approval to award a contract to Compugen Inc. ("Compugen") to renew the City's Microsoft Volume Licensing Enterprise Agreement" for a term of three years (expiring on July 31, 2020), at the same itemized pricing.

### RECOMMENDATION

Recommended Supplier	Compugen Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 116,600.00	400-404-5461
Less: Cost of award	\$ 109,536.42	August 2017 to December 2017
	\$ 262,887.41	January 2018 to December 2018
	\$ 262,887.41	January 2019 to December 2019
	\$ 153,350.96	January 2020 to July 2020
	\$ 788,662.24	Total award (Inclusive of HST )
Budget Remaining after this award	\$ 7,063.58	*

\*The remaining budget in the amount of \$7,063.58 will be used for additional Microsoft licenses for new staff and facilities.

Staff further recommends:

THAT Staff be authorized to amend the purchase order amounts in years 2017 - 2020 to accommodate business needs for the purchase of the identified Microsoft products through Capital and Operating Budgets as approved by Council during the annual budget process.

### BACKGROUND

In September 2005, Council approved staff to enter into an agreement with Microsoft Canada and the Microsoft reseller for the purchase of Microsoft software products under the Province of Ontario's Standing Agreement (via Contract 096-T-14). This agreement expires on July 31, 2017. Although the Province has renewed its contract for Microsoft licenses at a discounted rate (which applies to the Broader Public Sector), the provincial contract with the reseller was not extended to municipalities. In order to benefit from the Province-negotiated rate for the maintenance and support of existing products and new acquisitions, this requires the City of Markham to retain a reseller through a competitive procurement process. Through this process the City can guarantee, at minimum, the same discounted rate as established under Ontario's new Standing Business Agreement # U8364444; or, obtain better rates (which is dependent on each vendor's willingness to reduce their margins).

Accordingly, the City issued a tender to market for an authorized reseller of Microsoft products for the maintenance and support of all products under Enterprise Agreement (EA).

The products included in the EA are Windows Client and Server Operating Systems, Microsoft Office Suite, Microsoft Visio, Client Access License for file, print, Exchange (for email), System Centre Configuration Manager - SCCM (for asset management, desktop deployment, desktop power management and automated software deployment), Share Point Server, Skype for Business and SQL Server (for database), Development Network (for research and development),.

The benefit of Microsoft EA includes maintenance, support and the ability to upgrade to latest version of Microsoft software that is critical for the City to conduct business. Majority of the software covered under Microsoft EA are Client Access Licenses (CALs). CALs are device-based and are required for each device to be able to access various Server applications like email, print, Database services, Share Point Servers, etc. Enrolling in the Microsoft EA will streamline the management of software licenses and avoid a large one-time budget impact by spreading the cost over multiple years.

**BACKGROUND (Continued)**

Furthermore, this arrangement will assist the City to remain compliant with license agreements and continue to obtain significant discount level over individual licensing purchase models (full retail price). It will allow the City to update to the latest versions of software and run a consistent set of versions of Microsoft software that eliminate problems of having different versions spread across the organization with the resultant incompatibilities, while permitting us to standardize and facilitate deployment of standard operating and office products. Additional benefits includes, web based technical support, 30 days of Microsoft certified training for technical staff, 6 days of professional service that can be used towards design, upgrade or deployment of any Microsoft Server Products, etc.

**OPTIONS/DISCUSSIONS**

If the City does not sign the Enrollment with a Microsoft Large Account Reseller (LAR), the new releases of the software will not be available to Markham without purchasing the new license. However, Microsoft software cannot be purchased at government discounts, and full retail pricing is approximately 40% to 70% higher than government pricing; which is not recommended.

It has been determined that the EA is the most cost-effective option for purchase of the City's desktop computing products based on the current software replacement strategy.

Through this award Staff will enter into a three (3) year Enterprise Agreement with Microsoft Canada and Compugen Inc. at the same itemized pricing, in a form satisfactory to the City Solicitor for the provision of the licensing of Microsoft desktop and server software products.

**BID INFORMATION**

Advertised, place and date	ETN
Bids closed on	June 01,2017
Number of bidders picking up bid documents	6
Number of bidders responding to bid	2

**PRICE SUMMARY**

Suppliers	Price (inclusive of HST)
Compugen Inc.	\$ 788,662.24
Acrodex Inc.	\$ 794,247.16

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The remaining operating budget in the amount of \$7,063.58 will be used for additional Microsoft licenses for new staff and facilities.

**ENVIRONMENTAL CONSIDERATIONS**

N/A



## STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	170-T-17 Supply and Delivery of Microsoft Surface Pro 4 Tablets
Date:	June 20, 2017
Prepared by:	June Fry, Client Advisor ITS, Ext. 2539 Sugun Rao, Manager ITS, Ext. 4868 Rosemarie Patano, Senior Buyer, Ext. 2990

### PURPOSE

To obtain approval to award a contract for the purchase of Microsoft Surface Pro 4 Tablets and accessories.

### RECOMMENDATION

Recommended Supplier	Telecom Computer (Lowest Priced Supplier)	
Current Budget Available	\$ 439,340.00	049-6150-17064-005 (2017 Core IT Infrastructure)
Less: Cost of award	\$ 381,292.50	Award*
	\$ 38,129.22	Contingency (10%) **
	\$ 419,411.72	Total award
Budget Remaining After This Award	\$ 19,928.28	***

\*The award amount of \$381,292.50 is based on an estimated quantity of 250 Microsoft Surface Pro 4 Tablets (250 x \$1,525.17). Staff will reduce the quantity of laptops by 250 and the purchase order by \$299,340 (250 x \$1,197.36) to offset this purchase.

\*\* Due to quantities being an estimate, Staff are including a contingency of 10%, the equivalent of 25 Microsoft Surface Pro 4 Tablets.

\*\*\* The remaining balance in the amount of \$19,928.59 will be returned to the original funding source.

Note: The pricing received is fixed for three (3) years and any additional requirements for Microsoft Surface Pro 4 Tablets will be done through the appropriate award approval process.

### BACKGROUND

The ITS department is in the midst of user computer replacement project and in May 2017 awarded the contract for the purchase of desktops, laptops, and monitors through the Ontario Provincial Government Vendor of Record contract. The Ontario Provincial Government did not include the Surface Pro tablets as an option.

Prior to roll out, the ITS team conducted a survey and received feedback from Staff that included issues of the large size and heavy weight of the laptops to the extent that limited their usability as mobile devices. Almost all of the users indicated their preference to have a light weight device similar to the Surface Pro ("Surface") which is a 2-in-1 device that functions as a laptop and a tablet. The Surface is 3lbs lighter than a laptop, and a laptop case adds approximately 5lbs for off-site use.

Furthermore, ITS had identified higher capacity devices that will facilitate remote security and related patching over 6 years Life Cycle with minimal deterioration. This additional capacity is also required to accommodate the new way of pushing Microsoft Operating system enhancements during this period.

Based on the above facts, ITS had obtained approval to replace laptops (excluding Performance laptops) with Microsoft Surface Pro 4 tablets and the purchase of an additional 2 year warranty for a total of a 3 year warranty (the device comes with a 1 year warranty). The change in scope from laptop to Surface provides Staff the opportunity to benefit from the flexibility and versatility of the device. The recommendation also aligns with the City's Digital Markham Strategy, a move towards a digital workplace that provides Staff the appropriate tools for their jobs.

**BACKGROUND (Continued)**

The recommended change in scope required an additional funding of \$140,000 as Staff estimated an additional cost of \$522 per unit based on replacing 268 laptops with 268 Microsoft Surface Pro 4 tablets. Council approved the additional funding on June 13, 2017, to Capital Project #17064 "Core IT Infrastructure", increasing the budget from \$1,396,290 to \$1,536,290.

Subsequently, Staff revised the number of units from 268 to 250 and the actual price difference is \$327.81 per unit not \$522 as first estimated. This reduction allows the City to return \$19,928.28 to the original funding source.

**BID INFORMATION**

Advertised	ETN
Bid closed on	May 25 2017
Number picking up document	7
Number responding to bid	5

**PRICE SUMMARY (Based on 250 Microsoft Surface Pro 4 Tablets)**

Suppliers	Bid Price (Inclusive of HST)
Telecom Computer	\$ 381,292.50
THINQ Technologies Ltd., DBA DirectDial.com	\$ 423,703.20
Acrodex – A PCM Company	\$ 424,212.01
Elco Systems Inc.	\$ 429,300.00
CLICK-Into Inc.	\$ 455,879.72

**OPTIONS/DISCUSSIONS****Life Cycle Replacement**

The City's current computers have passed their useful lifetime of 6 years and are currently being replaced. As part of this replacement, mobile users need a light weight 2-in-1 device therefore ITS will be deploying as part of this contract award 250 tablets in 2017.

**Mobile Pricing Comparisons**

When comparing the standard laptop model under the City's 2017 new provincial VOR contract with the Microsoft Surface Pro Tablets (via RFT 170-T-17), pricing is approximately \$327.81 higher per unit for the Surface.

LAPTOP / TABLETS Including Warranty, Dock	RFT 170-T-17 (2017 Tablet Pricing)	2017 Province of Ontario (Laptop Pricing)
	Standard Option	Standard Option
	\$ 1,525.17	\$1,197.36

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

- Operating Budget - No impact
- Life Cycle Reserve Impact  
The additional cost related to tablets over laptops will be \$81,952.50  $((\$1,525.17 - \$1,197.36) * 250)$  every replacement cycle (6 years, no change). The additional cost to the Life Cycle over the next 25 years will be \$327,810 based on 4 replacement cycles and will be added to the 2018 update of the Life Cycle Reserve Study.

**ENVIRONMENTAL CONSIDERATIONS**

The disposal of the old computers will be done in accordance with Purchasing By-Law 2004-341, Part V and shall be disposed by means of public auction, tender, quotation, donation or recycling after approval has been received from the Chief Administrative Officer and the Treasurer. If disposal is required, Staff will work with the Senior Manager of waste management to recycle these computers in the most environmentally approved methodology and will pursue any stewardship funding for the recycling of these computers.



### STAFF AWARD REPORT

To:	Trinela Cane, Commissioner, Corporate Services
Re:	182-T-17 Perimeter leak repair at Markham Pan Am Centre
Date:	July 19, 2017
Prepared by:	Max Stanford, Project Manager, ext. 2710 Flora Chan, Senior Buyer, Purchasing Ext. 3189

#### PURPOSE

To obtain approval to award the contract for repair of the pool perimeter leak at the Pan Am Centre.

#### RECOMMENDATION

Recommended Supplier	Dontex Construction Inc. ( Lowest Priced Supplier)	
Current Budget Available	\$ 250,000.00	500-101-5399-16269 (Other Works)
Less: Cost of award	\$ 133,466.38	Cost of Award (Inclusive of HST)
	\$ 13,346.64	10% Contingency
	\$ 146,813.02	Total Award Inclusive of HST
Budget Remaining after this award	\$ 103,186.98	*

\*Remaining budget in the amount of \$103,186.98 will be returned to the original funding.

#### BACKGROUND

The scope of work under this award includes but is not limited to the following:

- Removal of existing porcelain tile, sub-mortar and cement mortar
- Installation of additional PVC patch on top of the existing PVC membrane
- Installation of a waterproof membrane
- Pouring mortar in the excavated areas
- Supplying and installing pool deck tile
- Applying Epoxy grout to the new deck tile installed over the repaired areas

The work is scheduled to start on August 19<sup>th</sup>, to coincide with the pool shut-down, and is to be completed by September 2017 to enable pool programs to resume.

#### BID INFORMATION

Advertised	ETN
Bid closed on	July 5, 2017
Number picking up document	4
Number responding to bid	2

#### PRICE SUMMARY (including HST)

Suppliers	Bid Price
Dontex Construction Inc.	\$133,466.38
Beothuk	\$137,647.79

The low bidder, Dontex Construction Inc., had completed many projects with good performance history for the City and demonstrated good efforts to understand the City's requirement on restricted work schedule.

#### OPERATING BUDGET AND LIFE CYCLE IMPACT

N/A

#### ENVIRONMENTAL CONSIDERATIONS

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 (all at the Contractor's expense).



## STAFF AWARD REPORT

Page 1 of 4

To:	Andy Taylor, Chief Administrative Officer
Re:	080-R-17 Markham.ca Website Technical Implementation
Date:	July 14, 2017
Prepared by:	Kent Chau, Client Advisor, Ext 5368 Rosemarie Patano, Senior Construction Buyer, Ext 2990

### PURPOSE

To obtain approval to award the contract for the Markham.ca Website Technical Implementation.

### RECOMMENDATION

Recommended Supplier	Partho Technologies (Highest Ranked Supplier)	
Current Budget Available	\$ 388,435.00	049-5350-8659-005 (Portal Project)
Less: Cost of award	\$ 458,605.86	Cost of Award (inclusive of HST)*
Budget remaining after this award	\$ (70,170.86)	*

\* The budget shortfall of \$70,170.86 inclusive of HST (\$458,605.86 - \$388,435.00) be funded from the following approved sources:

- a) Life Cycle Reserve (80%) – to a maximum amount of \$56,136.69
- b) Development Fees Reserve (8%) – to a maximum amount of \$5,613.67
- c) Building Fee Reserve (6%) – to a maximum amount of \$4,210.25
- d) Waterworks Reserve (6%) – to a maximum amount of \$4,210.25

On June 19th, 2017 General Committee approved that Staff continue with the Request for Proposal (RFP) process to hire a consultant to perform the technical implementation of the City's redesigned website and conduct the in-person vendor presentations and finalize negotiations with the current recommended Supplier (Partho Technologies Inc.).

General Committee approved that the Chief Administrative Officer be authorized to award the contract for RFP 080-R-17 Markham.ca Website Technical Implementation, to Partho Technologies Inc. to a maximum amount of \$477,927.54 inclusive of HST, based on the condition of the satisfactory outcomes of the in-person vendor presentation with City Staff and finalized negotiations. Staff has completed the in-person vendor presentation to the City's satisfaction and was able to reduce the award amount through negotiations from \$477,927.54 to \$458,605.86, a reduction of \$19,321.68.

### BACKGROUND

Since its launch in 2011, the City of Markham's website ([www.markham.ca](http://www.markham.ca)) has become an indispensable tool for residents, businesses and visitors for obtaining municipal services and information. The website provides timely and current information such as: service listings and availability; economic development support; recreational and cultural program offerings; public notices and current news items; maps and route planning; government public documents; and restrictions and permits as well as over 70 interactive on-line services including payment and links to other related websites. In 2016, the City embarked on a journey to refresh the design of its website with the goal of aligning to Markham's Digital Strategy and to enhance the online services and digital experience for its users.

#### Phase 1 - Awarded in 2015 (Completed)

Under project 036-Q-15, the City made a contract award to Akendi Toronto Incorporated to provide consultation services for web user experience design as part of the portal initiative to redesign the City's external facing website – [www.markham.ca](http://www.markham.ca). The project involved the various stages of the proven user experience design methodology including research, workshops with the City's stakeholders, usability testing, information architecture development, user experience design and visual design of the new Markham.ca website.

The refreshed website design for the City of Markham encompasses the following features and functionality:

- Clean, modern and welcoming site
- Consistent interface, architectural and graphic design grounded in user testing performed to identify any usability issues
- Excellent findability and searchability
- Supportive of responsive design and W3C's mobile best practices to better serve all device and browsers
- Conformity to Web Content Accessibility Guidelines 2.0

**Phase 2 - RFP 080-R-17 (This report)**

This first phase of the portal redesign project was completed in early 2017, and was followed by the City's release of an RFP for the technical implementation of the redesigned website on the City's existing IBM Websphere Portal platform. Markham.ca Website Technical Implementation Project is anticipated to be a challenging project that will require a significant amount of resources to complete. To assist with Phase 2 of the Project, the City issued an RFP (080-R-17) for Consulting Services to perform the technical implementation of the City's redesigned website completed in Phase 1 of the project.

The scope of work for this project includes the design and implementation of the following components to support the new website design:

- Portal Website Development
- Web Content Management
- Search Functionality
- Website Analytics
- Website Portlets

**BID INFORMATION**

Advertised	ETN
Bids closed on	April 13, 2017
Number picking up bid documents	13*
Number responding to bid	2

\* Purchasing contacted suppliers who downloaded the document and did not submit a Bid. From the seven follow-up calls made, Purchasing found that: two suppliers indicated they could not meet the scope of work delivery/completion requirements; one indicated they did not participate via official procurement processes (i.e. respond to RFPs); and one could not meet the RFP closing date and time. Three suppliers indicated they do not have the experience in this field (IBM Websphere Portal and IBM Web Content Manager) required to meet the mandatory requirements or the preferred experience related to IBM Watson Content Analytics and IBM Forms Experience Builder.

Market Place: Discussions with vendors who did not bid confirmed the City's previous understanding that there are only a few firms with proven experience with IBM Websphere Portal and IBM Web Content Manager Technology.

**Evaluation of Proposals**

The Evaluation Team for this RFP was comprised of Staff from Recreation, Corporate Communications and Corporate Relations, Planning, and Information Technology Services (ITS), with Purchasing Staff acting as the facilitator.

**Stage 1 – Technical Proposal**

The Stage 1 Technical Proposals were evaluated against the pre-established evaluation criteria as outlined in the RFP: 15 points for Experience and Qualification of the Supplier and Project Team; 15 points for Project Understanding, Methodology and Delivery Management; 30 points for Project Requirements; 5 points for Testing; 5 points for Knowledge Transfer and Training; and 30 point for Price, totaling 100 points. Upon completion of Stage 1 (technical evaluation), the Price Proposal (Bid Form) provided by those Suppliers who qualified from Stage 1, (minimum score of 75%, or 52.5 points out of 70 required), proceeded to Stage 2 for price evaluation.

The results of the Stage 1 evaluation are outlined below:

Suppliers	Score (out of 70)	Rank Results
Partho Technologies Inc.	56.70	1
Point Alliance Inc.	39.66	2

**Stage 2- Price**

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

Suppliers	Score (out of 30)	Rank Results
Partho Technologies Inc.	30	1



Due to only one Supplier meeting the technical threshold via Stage 1 and moving forward to Stage 2, Staff ensured competitiveness of the bid by validating the following:

- **Price comparison:** Staff undertook an analysis of the price provided to ascertain its competitiveness. Staff reviewed recent ITS consulting projects and Partho, the recommended proponent average hourly rate of \$175/hour is in line with, and competitive when compared to the other ITS consulting project hourly rate fees.

#### Stage 3- Presentation

To ensure the highest ranked supplier understood the City's requirements and to further evaluate the suppliers' bid submissions against the requirements of this RFP, Staff invited Partho Technologies to a presentation as allowed for in the bid document.

Suppliers	Score (out of 50)	Rank Results
Partho Technologies Inc.	45	1

#### Overall scoring

Suppliers	Grand Total Score (out of 150)	Rank Results
Partho Technologies Inc.	131.70	1

Through Stage 1 – Technical Proposal, Partho Technologies Inc. ("Partho") demonstrated a thorough understanding of the project and its requirements. Their proposal demonstrated to the City's satisfaction that they have the ability to undertake the project and that they have a strong understanding of the required project deliverables, key issues and challenges. Through the evaluation process, Partho demonstrated a depth of experience and expertise as it specifically relates to the successful technical implementation of the redesigned website on the City's existing IBM Websphere Portal platform, while meeting key milestones and timelines. The firm is supported by a highly skilled project team with a depth of experience and expertise as it specifically relates to user requirements and information architecture processes; application development and IBM Websphere Portal technology experience, and by having successfully completed similar projects, most notably with the Region of York (with the implementation of their constituent portal, York.ca).

Although Partho Technologies' bid proposal exceeds the funds remaining in the City's Portal project, Staff believe the additional cost to award to this firm is justified due to their reasonable allocation of resources, project timeline with clear check points and expectations of City Staff, their quality control processes (which meets City expectations), compounded by Partho's proven experience with IBM Websphere Portal technology (which is critical to the success of the project).

Staff is recommending awarding this contract to Partho for the following reasons:

- **Quality Services:** Partho Technologies has a proven track record, in terms of quality of work delivered, as well as significant familiarity with the City's technical environment and infrastructure, based on prior implementations for the City
- **Synergies:** Given both past experience and the work on the City's website, Partho has a great deal of corporate knowledge and history working with staff. There will be little to no need to provide background, introduce the consultant to our business.
- **Experience with other Municipalities:** Partho has recently successfully completed work with the Region of York, with the implementation of their constituent portal, York.ca.

#### Summary

Partho prepared a solid proposal in response to the City's RFP, assembling a team with the requisite skills, knowledge and expertise to successfully complete Phases 2 of the Project. Through negotiations, Purchasing achieved \$19,321.68 (or 4.04%) cost savings without impacting scope of work and deliverables.

**FINANCIAL CONSIDERATIONS**

The Portal Project was approved in 2008 and completed work including the rollout of over 70 on-line services, City's Access Markham mobile app and single sign-on capabilities, which were funded from the project. The website refresh effort is the final component of the Portal Project and would conclude the original portal roadmap.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

Annual Operating Costs and Maintenance pricing are not applicable for the proposed solution as the City would take over support and maintenance once the project is complete. With this recommended award there are no additional fees for warranty, maintenance and on-going support. The 2018 Life Cycle Reserve Study update will include funds for the future website redesign and implementation costs.

**ENVIRONMENTAL CONSIDERATIONS**

N/A



## STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	009-R-11 Support and Maintenance of Avaya Telephone System - Contract Extension
Date:	July 12, 2017
Prepared by:	Sugun Rao, Manager Technology Services, Ext. 4868 Rosemarie Patano, Senior Buyer, Ext. 2990

### PURPOSE

To obtain approval to extend the contract 009-R-11 "Support, Maintenance and Software Subscription Services Renewal of Avaya Phone System, Contact Centre Software and Peripheral Equipment" for an additional three (3) years at the same 2011 itemized pricing.

### RECOMMENDATION

Recommended Supplier	Unity Telecom Corp. (Non-competitive procurement)	
Current Budget Available	\$ 42,319.04	400-404-5460 (Tec Computer Hardware Mtce)
Less: Cost of award	\$ 42,319.04	Jun. 2017 – Dec. 2017
	\$ 120,594.39	Jan. 2018 – Dec. 2018 *
	\$ 120,594.39	Jan. 2019 – Dec. 2019 *
	\$ 73,611.35	Jan. 2020 – Dec. 2020 *
	\$ 357,119.18	Total Award (Inclusive of HST)*
Budget Remaining After This Award	\$ 0.00	

\* January 1, 2018 to December 31, 2020 - Subject to Council approval of the annual operating budget.

Note: Fees include Maintenance and Support Services; and Software Subscription Services

### Staff further recommends:

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

### BACKGROUND

In June 2011, Council approved contract 009-R-11 award to Unity Telecom for the supply, installation, support and maintenance service of Avaya Hardware and Software products for a five (5) year term.

The implemented City-wide IP Phone systems and Contact Centre software are critical to the City's business operations providing centralized access to all incoming and outgoing voice calls. The IP phone system is set up in a fault-tolerant high-availability architecture with the Main (Core) call servers located at Civic Centre and at 8100 Warden configured to provide resiliency against network outages. The rest of the city sites consist of smaller phone system only used for local call processing in the event of loss of Network connectivity to the core.

Unity Telecom Corp. support services includes: 24 hours a day x 7days a week; 365 days preventive and proactive remote monitoring of phone system and its accessories; troubleshooting; replacement of faulty hardware component at no extra cost; major and minor system upgrades; and, bi-yearly preventive maintenance of all equipment. Further, Unity continues to be a Platinum Avaya Dealer.

### OPTIONS/DISCUSSIONS

As per industry best practice, the life expectancy of this hardware is generally 6 years and replacing the City wide phone system would cost \$990K. However, based on the outcome of the condition assessment conducted by staff it was determined to be feasible to extend the replacement by three additional years, reducing costs to the City.

The current maintenance contract with Unity Telecom expired in June, 2017. Unity Telecom has a proven track record with the City, and has provided satisfactory customer services during the term of 2011 – 2017. As the City has extended the Life Cycle of this hardware, and the associated software are to remain the same, it is in the City's interest to extend the support and maintenance services continue to be provided by Unity Telecom.

**OPTIONS/DISCUSSIONS (Continued)**

Unity Telecom has agreed to provide the extended service with the same terms and conditions as the original contract 009-R-11. The cost for this service renewal is contained within the existing ITS operating budget.

The city will review its telecommunication technology requirements in the next couple of years to determine the future direction.

**OPERATING AND LIFE CYCLE IMPACT**

The Life Cycle has been adjusted to reflect the deferral of the telephone system replacement in the 2017 Reserve Study update.

**ENVIRONMENTAL CONSIDERATIONS**

N/A



## STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	163-S-17 Supply and Delivery of Office Products under the Ontario Education Collaborative Marketplace "OECM" Master Agreement
Date:	August 8, 2017
Prepared by:	Flora Chan, Senior Buyer, Purchasing Ext. 3189 Darius Chung, Senior Buyer, Purchasing Ext. 2025

### PURPOSE

To obtain approval to award the contract for the Supply and Delivery of Office Products through the Ontario Education Collaborative Marketplace (OECM) Master Agreement for a period of one (1) year, with the option to extend on the same terms and conditions for up to 2 additional years.

### RECOMMENDATION

Recommended Supplier	Corporate Express Canada Inc. O/A Staples Business Advantage Canada (Non-Competitive Procurement)	
Current Budget Available	\$ 86,405.00	Various accounts
Less: Cost of award	\$ 86,405.00	September 1, 2017 to August 30, 2018 Estimate*
	\$ 86,405.00	September 1, 2018 to August 30, 2019 Estimate*
	\$ 86,405.00	September 1, 2019 to August 30, 2020 Estimate*
	\$ 259,215.00	Total Cost of Award

\*Office supplies are estimated based on the actual purchases made in January to December of 2016.

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

### Staff further recommends:

That the City's Tender process be waived as the Ontario Provincial Government has undergone their own competitive process and in accordance with Purchasing By-Law 2017-18, Part II, Section 7 Non Competitive Procurement, item 1 (g) which states "Where it's in the City's best interest not to solicit a competitive bid";

### BACKGROUND

This contract is for supply and delivery of office supplies.

In 2015, the City participated in the Ontario Government's Ontario Shared Services ("OSS") contract with Staples Business Advantage Canada ("Staples") for the supply and delivery of office supplies. The City leverages the volume of other agencies such as OSS and/or other government agencies to achieve cost efficiencies.

The contract with OSS has expired and recently the OSS re-issued to market and awarded a new contract to Novexco Inc. for the supply and delivery of office products.

### OPTIONS /DISCUSSIONS

Staff are aware that there is a limited number of suppliers who can provide this type of service and prior to the recommendation under this award reviewed the following options:

1. Issue a bid to the market on our own. **(Not Recommended)** – The City realizes cost savings when utilizing the volume of other agencies and piggybacking onto their contracts.
2. Piggyback onto the new contract with Novexco Inc. and awarded by OSS – **(Not Recommended)** – This contract would represent a 25% increase compared to our 2015-2017 contract.
3. Directly negotiate with Staples. **(Not Recommended)** – Staff were not successful in direct negotiations with Staples as they proposed a contract which would represent a 24% increase compared to our 2015-2017 contract.
4. Piggyback onto the Ontario Education Collaborative Marketplace ("OECM") with modifications to include Markham's usage in discount structure, this contract was awarded to Staples. **(Recommended)**. Staff undertook a detailed analysis and comparison of all available contract options and recommend Markham piggyback onto one of the existing government agencies' contracts. OECM is a procurement sourcing partner for Ontario's education sector, broader public sector, and other not-for-profit organizations.

**OPTIONS /DISCUSSIONS (Continued)**

Overall, the modified OECM contract offers better product selection, pricing, discounts, terms and conditions compared to other options, including access to over 600 Core items and Non-Core discounts as follows:

- Catalog items 62% off list price
- Non-Catalog items 25% off list price

By utilizing the OECM contract, the City will minimize the anticipated price increase (18% increase compared to the previous 2015-2017 contract, however, only 8% higher than the City's 2011-2014 contract) and eliminate the learning curve and training efforts that may be required to adopt a new order system since this contract is with the City's current provider (Staples).

Additionally, the City has opportunities to earn cash rebate of up to 1.0% of total spend through meeting minimum order size of \$50 and processing orders electronically.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

N/A

**ENVIRONMENTAL CONSIDERATIONS**

Various environmental considerations have been incorporated into the OECM contract where Staples is expected to reduce the amount of redundant packaging material used for office products delivered to locations and institute other practices that will reduce the unnecessary consumption of resources, both renewable and non-renewable. Staples is expected to minimize waste through the re-use of components in its delivery model and warehousing operations. (e.g., returning packaging materials and pallets to distributors/manufacturers, instead of disposal). Staples has a mandatory recycling program to recycle waste materials in its warehousing and back-office operations.

**STAFF AWARD REPORT**

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	115-T-17 Box Grove CC Park Construction - Phase 2 of 2
Date:	August 9, 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 Box Grove CC Park (Phase 2 of 2).

**RECOMMENDATION**

Recommended Supplier	Pine Valley Corporation ( Lowest Priced Supplier)	
Current Budget Available	\$ 451,380.00	081 5350 17001 005 Box Grove CC Park (Phase 2 of 2) – Construction
Less: Cost of award	\$ 459,534.93	Construction
	\$ 31,167.45	Contingency (7%)
	\$ 491,702.38	Total (Inclusive of HST)
	\$ 44,253.21	Internal Management Fee @ 9%
	\$ 535,955.59	Total Cost of Award (Inclusive of HST)
Budget Remaining after this award	(\$ 84,575.59)	*

\*The shortfall in the amount of (\$84,575.59) will be funded 90% from the Design Capital Contingency.

**Staff further recommends:**

Awarding the contract in accordance with By-Law 4-2000 which reads: “that the Chief Administrative Officer be authorized to award any required contracts greater than \$350,000 for the annual Council summer break between the last meeting in June or July, as the case may be, and the next regular Council meeting which are in compliance with the City’s Purchasing By-law and which are within budget as approved by Council”

**BACKGROUND**

Box Grove Community Centre is located on the East Side of Ninth Line, South of 14th Avenue. The park will consist of the following features:

**Phase 1 – Completed:**

- Site Preparation and Grading
- Concrete Walkways
- Playground Equipment
- Rubber Safety Surfacing
- Concrete Curbing
- Site furnishings
- Planting

**Phase 2 - (This Award)**

- Site Preparation and Grading
- Site Servicing
- Shade Structure / Gazebo
- Asphalt Parking Lot and Curbing
- Electrical
- Concrete Walkways
- Planting

**BID INFORMATION**

Advertised	ETN
Bid closed on	June 29 2017
Number picking up document	9
Number responding to bid	5

**PRICE SUMMARY**

Suppliers	Bid Price (Inclusive of HST)
<b>Pine Valley Corporation</b>	<b>\$ 488,305.54*</b>
Lóc Pave Construction Limited	\$ 495,211.99
Landtar Construction Inc	\$ 589,574.04
Ritestart Limited	\$ 690,311.28
CSL Group Ltd	\$ 713,776.19

\*Pine Valley Corporation's ("Pine Valley") original bid price for this contract was \$488,305.54 (inclusive of HST) which exceeded the City's budget. As outlined in Section 17.2 of the City's *General Terms and Conditions*, "The City reserves the right, in its sole discretion, to negotiate with the lowest priced 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 Pine Valley to seek options to reduce the price, in order to better meet the City's approved budget. Staff were able to reduce the price by \$28,770.61 from \$488,305.54 to \$459,534.93 by eliminating the exercise equipment, and associated rubber surfacing.

Additionally, after receipt of approval to proceed, Staff will enter into a value engineering review with Pine Valley Corporation to seek other areas of opportunities to reduce cost during the construction period.

The project is anticipated to be completed by June 2018 and the Operations, Asset Management, Recreation and Purchasing Departments were consulted during the process.

**OPERATING BUDGET AND LIFE CYCLE 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 Box Grove CC Park (Phase 2 of 2) is 1.04 hectares and the budgeted cost per hectare is \$8,796/ha (2018 budgeted rate). Therefore the annual operating and maintenance impact is approximately \$9,147.84 (1.04 ha x \$8,796/ha). This operating increase will be added to the 2018 Operating budget.

The Life Cycle impact of this park will be \$429K. The Life Cycle 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 Life Cycle Reserve Study at the next update to incorporate the various components of the park.

**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)





## STAFF AWARD REPORT

Page 1 of 2

To:	Jim Baird, Commissioner, Development Services
Re:	172-T-17 Overall Benefit Work at the Rouge River, south of Clegg Road and east of Rodick Road
Date:	June 14, 2017
Prepared by:	Nehal Azmy, Sr. Capital Works Engineer Ext. 2197 Tony Casale, Sr. Construction Buyer, Ext. 3190

### PURPOSE

To obtain approval to award the contract for the Overall Benefit Work at the Rouge River, south of Clegg Road and east of Rodick Road.

### RECOMMENDATION

Recommended Suppliers	R&M Construction (Lowest Priced Supplier)	
Current Budget Available	\$ 1,053,104.00	083-5350-16052-005 Verclaire Crossing at Rouge River
Less: Cost of award	\$ 96,794.42	Cost of Award (Incl. of HST)
	\$ 33,506.67	Provisional Item *
	\$ 13,030.11	Contingency @ 10%
	\$ 143,331.20	Cost of Award (Incl. of HST)
	\$ 20,199.74	Internal Management Fee
	\$ 163,530.94	Total Project Cost
Budget Remaining after award	\$ 889,573.06	**

\* The provisional item is for an alternative temporary valley access route and valley protection and restoration. The requirement for the provisional item will not be confirmed until such time that the contractor is awarded the contract and the preferred alternative is discussed and approved by the City.

\*\*The remaining balance of \$889,573.06 will be returned to the original source. The 2016 budget request is higher than the actual project cost as the current MNRF permit requirements are lower and the actual construction costs for the Overall Benefit at the Rouge River is lower than budgeted.

### BACKGROUND

The Ministry of Natural Resources and Forestry (MNRF) has issued permit # AU-C-006-15 for the construction of Verdale bridge crossing over the Rouge River. This project is currently under construction by the City.

One of the conditions of the MNRF permit requires that the City to conduct enhancement of habitat in areas disturbed by construction of the Verdale Crossing bridge for the purpose of providing an overall benefit to Redside Dace.

This project involves construction of the Overall Benefit Work for the Rouge River, south of Clegg Road and east of Rodick Road. The scope of work includes the following:

- Storage and staging area within asphalt parking areas.
- Sediment and Erosion Control Measures during construction.
- Protection of existing wetlands.
- Temporary valley access route and valley protection.
- Temporary coffer dams and dewatering.
- Removal and disposal of an existing concrete dam weir walls.
- Site excavation and grading including removal of excess material.
- Channel improvement with construction of pool riffle sequence.
- Installation of live stakes, potted plant material and trees.
- Restoration of the overall contract site including the valley and asphalt parking area and boulevard.

It is anticipated that construction will commence in July 2017 and be completed by end of 2017.

**BID INFORMATION**

Advertised	ETN
Tender closed on	June 7, 2017
Number of contractors picking up bid documents	7
Number of contractors responding to bid	4

**PRICE SUMMARY**

Suppliers	Bid Price (Inclusive of HST)
<b>R&amp;M Construction</b>	<b>\$ 96,794.42</b>
Hawkins Contracting Services Limited	\$171,849.69
Tascan Corp	\$231,559.97
Dynex Construction Inc.	\$272,001.43

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The impact to the Life Cycle Reserve Study over the next 25 years will be \$143,331.20. At the next update of the Life Cycle Reserve Study the costs for the erosion works will be adjusted accordingly.

**ENVIRONMENTAL CONSIDERATIONS**

The Toronto and Region Conservation Authority (TRCA) and the Ministry of Natural Resources and Forestry (MNRF) were consulted during the detailed design stage of this project and a permit has been granted by TRCA to undertake the proposed work within the Rouge River watershed. The restoration improves the condition of the existing watercourses and provides overall benefit to Redside Dace.

**STAFF AWARD REPORT**

Page 1 of 2

To:	Jim Baird, Commissioner, Development Services
Re:	174-T-17 Water, Sanitary and Storm Sewer Connections at Various Locations
Date:	June 7, 2017
Prepared by:	Kay Man Poon, Manager, Municipal Inspections, Ext. 2897 Tony Casale, Senior Construction Buyer, Ext. 3190

**PURPOSE**

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

**RECOMMENDATION**

Recommended Supplier (s)	Efcon Inc (Lowest Priced Supplier - 5 locations) FDM Contracting Co. Ltd. (Lowest Priced Supplier - 3 locations) BreakThru Excavation & Construction Ltd (Lowest Priced Supplier – 2 locations)	
Less: Cost of award	\$ 145,025.00	Cost of award (Excl. of HST )*
	\$ 18,853.25	HST (13%)
	\$ 163,878.25	Total Cost of Award

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

**BACKGROUND**

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

- Location 1: 104 John Street (Sanitary/Water)
- Location 2: 8 Worsley Court (Storm/Sanitary/Water)
- Location 3: 5 Billy Joel Crescent (Sanitary)
- Location 4: 9A Sabiston Drive (Sanitary/Water)
- Location 5: 9B Sabiston Drive (Sanitary/Water)
- Location 6: 35 Grandview Avenue (Storm/Sanitary/Water)
- Location 7: 111 Morgan Avenue (Storm//Water)
- Location 8: 20 Rayneswood Crescent (Storm/Sanitary/Water)
- Location 9: 15 Emily Carr Street (Storm/Sanitary/Water)
- Location 10: 55 Woodward Avenue (Storm/Sanitary/Water)

**BID INFORMATION**

Advertised	ETN
Bids closed on	May 31, 2017
Number picking up bid documents	8
Number responding to bid	5

**PRICE SUMMARY (Exclusive of HST)**

<b>Locations</b>	<b>Efcon Inc.</b>	<b>BreakThru Excavation &amp; Construction</b>	<b>FDM Contracting Co. Ltd.</b>	<b>V.M./DiMonte Construction Limited</b>	<b>Dig-Con International Limited</b>
104 John Street	\$ 13,550.00	<b>\$ 12,900.00</b>	\$ 15,550.00	\$ 25,700.00	\$ 30,000.00
8 Worsley Court	\$ 17,050.00	\$ 16,950.00	<b>\$ 16,300.00</b>	\$ 37,400.00	\$ 46,500.00
5 Billy Joel Crescent	<b>\$ 13,050.00</b>	\$ 15,250.00	\$ 21,700.00	\$ 21,400.00	\$ 35,000.00
9A Sabiston Drive	\$ 11,400.00	<b>\$ 11,375.00</b>	\$ 14,950.00	\$ 23,400.00	\$ 37,000.00
9B Sabiston Drive	<b>\$ 10,400.00</b>	\$ 11,375.00	\$ 13,800.00	\$ 21,400.00	\$ 33,000.00
35 Grandview Avenue	<b>\$ 18,000.00</b>	\$ 20,150.00	\$ 23,200.00	\$ 38,400.00	\$ 54,200.00
111 Morgan Avenue	<b>\$ 10,550.00</b>	\$ 11,800.00	\$ 12,900.00	\$ 20,400.00	\$ 34,700.00
20 Rayneswood Crescent	<b>\$ 19,300.00</b>	\$ 36,025.00	\$ 34,750.00	\$ 46,400.00	\$ 82,500.00
15 Emily Carr Street	\$ 18,350.00	\$ 23,850.00	<b>\$ 17,900.00</b>	\$ 43,400.00	\$ 54,500.00
55 Woodward Avenue	\$ 16,550.00	\$ 17,300.00	<b>\$ 15,250.00</b>	\$ 32,400.00	\$ 47,500.00

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

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

N/A

**ENVIRONMENTAL CONSIDERATIONS**

N/A

**STAFF AWARD REPORT**

Page 1 of 2

To:	Jim Baird, Commissioner, Development Services
Re:	176-T-17 Flato Markham Theatre AV Replacement Supply & Install
Date:	July 5, 2017
Prepared by:	Andrew Rosenfarb, Facility & Production Manager, Ext. 3794 Darius Chung, Senior Buyer, Ext. 2025

**PURPOSE**

To obtain approval to award the contract for the supply and installation of audio visual (AV) equipment for the Flato Markham Theatre.

**RECOMMENDATION**

Recommended Supplier	RP Dynamics Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 238,500.00	074-6150-17025-00574-6150-17025-005 Theatre AV Replacement
Less: Cost of award	\$ 237,914.88	Cost of Award (Inclusive of HST)
Budget Remaining after this award	\$ 585.12	*

\* The balance remaining of \$585.12 will be returned to the original funding sources

**BACKGROUND**

The equipment selected will serve and sustain the level of cultural excellence required for modern day and future performances. Equipment was chosen specifically based on equipment that has been tested onsite and has proven quality. The accessories have been previously tested and provides the high end audio and video quality required to service our various clients appropriately. As for the wireless communication, it is the new industry standard as it forever expandable and provides the highest quality audio possible. It also provides better coverage and less interference than any other system currently available.

**SCOPE OF WORK**

- Contractor to supply and install custom hanging hardware for screen to be designed and stamped by a structural engineer provided by the successful proponent.
- Contractor to supply and install specific hardware, screen, projector, wireless communication, audio accessories and peripherals meeting theatre staff requirements.
- Contractor to configure and calibrate audio and visual hardware after installation.

**BID INFORMATION**

Advertised	Electronic Tendering Network
Bid closed on	July 4, 2017
Number picking up bid documents	5
Number responding to bid	2

**DETAILED PRICING INFORMATION**

<b>Suppliers</b>	<b>Price (Inclusive of HST)</b>
<b>RP Dynamics Inc.</b>	<b>\$237,914.88</b>
Solotech Inc.	\$254,724.42

The recommended supplier has successfully completed a project for the Theatre in 2014 with a good overall performance rating. The project was to supply and upgrade the camera display and cabling throughout the theatre. In addition, 3 reference checks were completed with an overall rating of excellent. Based on the favourable pricing and an approximate 6 week lead time to fabricate the custom screen, staff recommends to award in order to allow work to begin in August 2017 with estimated completion for September 2017.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The AV Replacement consists of various components. Each component has a different life-span. Staff will update the Life Cycle Reserve Study accordingly at the next update to incorporate the various components of the AV equipment.

**ENVIRONMENTAL CONSIDERATIONS**

N/A

**STAFF AWARD REPORT**

Page 1 of 2

To:	Jim Baird, Commissioner, Development Services
Re:	181-T-17 Water, Sanitary and Storm Sewer Connections at Various Locations
Date:	June 27, 2017
Prepared by:	Kay Man Poon, Manager, Municipal Inspections, Ext. 2897 Tony Casale, Senior Construction Buyer, Ext. 3190

**PURPOSE**

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

**RECOMMENDATION**

Recommended Supplier (s)	MADD Excavation Inc. (Lowest Priced Supplier – 13 locations) Efcon Inc (Lowest Priced Supplier - 2 locations) FDM Contracting Co. Ltd. (Lowest Priced Supplier - 1 location)	
Less: Cost of Award	\$ 175,423.75	Cost of award (Excl. of HST )*
	\$ 22,805.08	HST (13%)
	\$ 198,228.83	Total Cost of Award

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

**BACKGROUND**

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

- Location 1: 62 Highland Park Boulevard (Storm/Sanitary/Water)
- Location 2: 27 Sciberras Road (Water)
- Location 3: 29 Sciberras Road (Water)
- Location 4: 48 Fonthill Boulevard (Storm/Sanitary/Water)
- Location 5: 28 Proctor Avenue (Storm/Water)
- Location 6: 48 Proctor Avenue (Storm/Sanitary/Water)
- Location 7: 1 Huckleberry Lane (Storm/Sanitary/Water)
- Location 8: 9 Rouge Street (Sanitary/Water)
- Location 9: 29 Steele Valley Road (Storm/Sanitary/Water)
- Location 10: 10 Reesorville Road (Water)
- Location 11: 6 Worsley Court (Storm/Sanitary/Water)
- Location 12: 17 Braithwaite Road (Storm/Sanitary/Water)
- Location 13: 65 Fred Varley Drive (Storm/Sanitary/Water)
- Location 14: 26 Gladiator Road (Sanitary/Water)
- Location 15: 45 Cachet Parkway (Water)
- Location 16: 25 Dove Lane (Storm/Sanitary/Water)

**BID INFORMATION**

Advertised	ETN
Bids closed on	June 21, 2017
Number picking up bid documents	9
Number responding to bid	5

**PRICE SUMMARY (Exclusive of HST)**

<b>Locations</b>	<b>Efcon Inc.</b>	<b>MADD Excavation Inc.</b>	<b>FDM Contracting Co. Ltd.</b>	<b>V.M./DiMonte Construction Limited</b>	<b>Dig-Con International Limited</b>
62 Highland Park Boulevard	\$ 23,800.00	<b>\$ 14,869.09</b>	\$ 29,550.00	\$ 42,900.00	\$ 66,600.00
27 Sciberras Road	\$ 4,300.00	<b>\$ 3,850.30</b>	\$ 11,000.00	\$ 10,900.00	\$ 24,000.00
29 Sciberras Road	\$ 4,300.00	<b>\$3,850.30</b>	\$ 11,000.00	\$ 10,900.00	\$ 24,000.00
48 Fonthill Boulevard	\$ 20,850.00	<b>\$ 14,669.17</b>	\$ 28,000.00	\$ 40,700.00	\$ 57,600.00
28 Proctor Avenue	<b>\$ 9,550.00</b>	\$ 13,969.09	\$ 16,000.00	\$ 18,500.00	\$ 30,600.00
48 Proctor Avenue	<b>\$ 24,400.00</b>	\$ 25,950.24	\$ 82,500.00	\$ 42,200.00	\$ 66,600.00
1 Huckleberry Lane	\$ 17,250.00	<b>\$ 11,769.17</b>	\$ 25,500.00	\$ 37,900.00	\$ 57,600.00
9 Rouge Street	\$ 12,400.00	<b>\$ 9,869.17</b>	\$ 15,500.00	\$ 23,700.00	\$ 37,200.00
29 Steele Valley Road	\$ 19,550.00	<b>\$ 13,809.07</b>	\$ 28,000.00	\$ 52,900.00	\$ 68,520.00
10 Reesorville Road	\$ 7,300.00	<b>\$ 4,650.49</b>	\$ 7,000.00	\$ 10,900.00	\$ 22,200.00
6 Worsley Court	\$ 13,600.00	<b>\$10,359.30</b>	\$ 14,000.00	\$ 31,700.00	\$ 50,520.00
17 Braithwaite Road	\$ 14,050.00	<b>\$ 10,769.24</b>	\$ 16,500.00	\$ 32,200.00	\$ 51,120.00
65 Fred Varley Drive	\$ 23,000.00	<b>\$ 18,870.17</b>	\$ 34,000.00	\$ 48,900.00	\$65,520.00
26 Gladiator Road	\$12,200.00	\$ 10,240.09	<b>\$ 5,700.00</b>	\$ 19,700.00	\$ 32,400.00
45 Cachet Parkway	\$ 8,050.00	<b>\$ 4,669.19</b>	\$ 4,850.00	\$ 6,700.00	\$ 18,000.00
25 Dove Lane	\$ 17,650.00	<b>\$ 13,769.09</b>	\$ 19,000.00	\$ 36,700.00	\$ 63,000.00

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

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

N/A

**ENVIRONMENTAL CONSIDERATIONS**

N/A





## STAFF AWARD REPORT

To:	Loy Cheah, Director (Acting), Engineering
Re:	184-Q-17 Traffic Equipment Replacement
Date:	July 13, 2017
Prepared by:	Justin Chin, Engineering Technologist, ext. 4020 Tony Casale, Senior Construction Buyer Ext: 3190

### PURPOSE

To obtain approval to award the contract for traffic equipment replacement.

### RECOMMENDATION

Recommended Supplier	Guild Electric Limited (Lowest Priced Supplier)	
Current Budget Available	\$ 69,600.00	083-6159-17161-005 Traffic Assets Replacement
Less: Cost of award	\$ 54,218.75	Cost of Award (Incl. of HST)
Budget Remaining	\$ 15,381.25	*

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

### BACKGROUND

This project involves replacement of traffic signal assets including vehicular and pedestrian LED indications and the supply and delivery of emergency pre-emption equipment.

LED indications are required to be replaced at the following locations (Supply & Install);

1. Church Street & Country Glen Road; and
2. Main Street Markham & Bullock Drive/Parkway Avenue.

It is anticipated that construction will commence in August and be completed by September 30, 2017.

### BID INFORMATION

Advertised	ETN (Electronic Tendering Network)
Bids closed on	June 29, 2017
Number picking up bid document	5
Number responding to bid	3

### PRICE SUMMARY

Suppliers	Bid Price (Incl. of HST)
Guild Electric Limited	\$54,218.75
Fellmore Electrical Contractors Ltd.	\$68,727.32
Beacon Utility Contractors Limited	\$72,018.73

### OPERATING BUDGET AND LIFE CYCLE IMPACT

The life cycle will be adjusted in the next life cycle reserve study update based on the unit pricing as per the contract award.

### ENVIRONMENTAL CONSIDERATIONS

N/A

**STAFF AWARD REPORT**

Page 1 of 2

To:	Jim Baird, Commissioner, Development Services
Re:	190-T-17 Erosion Restoration at Robinson Creek
Date:	July 19, 2017
Prepared by:	Alberto Lim, Sr. Capital Works Engineer Ext. 2860 Tony Casale, Sr. Construction Buyer, Ext. 3190

**PURPOSE**

To obtain approval to award the contract for erosion restoration at two (2) sites on Robinson Creek.

**RECOMMENDATION**

Recommended Suppliers	Dynex Construction Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 127,000.00	640-101-5699-15044 Downstream Improvement
Less: Cost of award	\$ 100,157.28	Cost of Award (Incl. of HST)
	\$ 10,015.72	Contingency @ 10%
	\$ 110,173.00	Cost of Award (Incl. of HST)
	\$ 16,220.76	Internal Management Fee
	\$ 126,393.76	Total Project Cost
Budget Remaining after award	\$ 606.24	*

\*The remaining budget of \$606.24 will be returned to the original funding source.

**BACKGROUND**

The City solicited bids from general contractors to provide remediation services for erosion restoration at two sites on Robinson Creek. The scope of work for both locations is provided below;

**ROB-ES-03 – West of Main Street Markham South, south of Highway 7**

1. Prepare construction access from Main Street Markham including removal of guard rail segments;
2. Delineate limits of construction with silt fence and install temporary sediment and erosion control measures and tree protection;
3. Undertake required clearing and grubbing including removal and disposal off-site of any debris;
4. Installation of dewatering system including coffer dams, pump and sediment bag;
5. Removal of aggraded sediment from the blocked culvert;
6. Installation of vegetated buttress as per Contract Drawings;
7. Grading and topsoil application, installation of erosion control measures including coir matting;
8. Removal of dewatering system including coffer dams and pump;
9. Restoration of project area as per restoration plan and restoration details, including topsoil grading, terraseeding, plantings and replacement of guard rail segments.

**ROB-ES-13 - West of Main Street Markham South, north of Highway 7**

1. Utilize footpath access from Raymerville Drive, no heavy machinery shall enter the site;
2. Delineate limits of disposal sites and clear required area;
3. Removal of wood debris and remnants of former beaver dam using handtools as per Contract Drawings;
4. Restoration of project area as per restoration plan and restoration details, including plantings.

It is anticipated that construction will commence in August 2017 and be completed by September 15, 2017.

**BID INFORMATION**

Advertised	ETN
Tender closed on	July 14, 2017
Number of contractors picking up bid documents	10
Number of contractors responding to bid	5

**PRICE SUMMARY**

Suppliers	Bid Price (Inclusive of HST)
<b>Dynex Construction Inc.</b>	<b>\$ 100,157.28</b>
Dig-Con International Limited	\$ 140,166.26
Pine Valley Corporation	\$ 152,418.16
R&M Construction	\$ 157,200.80
Tascan Corp	\$ 246,951.17

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The total Life Cycle impact over 25 years will be \$126,393.76. The Life Cycle Reserve Study will be adjusted at the next update.

**ENVIRONMENTAL CONSIDERATIONS**

The Toronto and Region Conservation Authority (TRCA), the Ministry of Natural Resources and Fisheries (MNRF) and the Department of Fisheries and Oceans (DFO) were consulted during the detailed design stage of this project. A permit has been granted by TRCA to undertake the proposed works within the Robinson Creek watershed and screening clearances have been obtained from both the MNRF and the DFO. The restoration improves the condition of the existing watercourses and provides overall benefit to Redside Dace.

**STAFF AWARD REPORT**

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	197-T-17 Markham Village Veteran Square – Construction
Date:	August 15, 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 Markham Village Veteran Square.

**RECOMMENDATION**

Recommended Supplier	Hawkins Contracting Services Limited ( Lowest Priced Supplier)	
Current Budget Available	\$ 1,296,442.20	081 5350 16034 005 Markham Village Veteran Square – Construction
Less: Cost of award	\$ 864,578.81	Construction
	\$ 51,874.73	Contingency (6%)
	\$ 916,453.54	Total (Inclusive of HST)
Budget Remaining after this award	\$ 379,988.86	*

\*The remaining budget in the amount of \$379,988.86 will be used as budgeted for specialty granite pavings around the obelisk. Any remaining funds at the completion of the project will be returned to the original funding source.

**BACKGROUND**

The Canada 150 Project titled “Rehabilitation of Veterans Square and Markham Cenotaph” is located at the south east corner of Highway 7 and Main Street Markham South, at the site of the Markham Village Library.

The anticipated work for this project includes:

- Site preparation and grading of site;
- Provision of storm and electrical services for the site from adjacent roads or existing services;
- Plaza style paving and walkways;
- Planting and sodding;
- Lighting and electrical service;
- Site furnishings;
- Concrete walls, paving and walkways;
- Concrete foundations(s) and footing(s) for the mounting of memorial component(s);
- Cleaning of the existing Cenotaph (by others)
- Supply and installation of the new obelisk and specialty paving by Shelburne Memorials (as per Tender 148-T-17).

**PRE-QUALIFICATION INFORMATION (248-P-16)**

Advertised	ETN
Bid closed on	March 27, 2014
Number picking up document	23
Number responding to bid	15
Number of Contractors Pre-qualified	6

**BID INFORMATION**

Advertised	By Invitation Only
Bid closed on	August 11, 2017
Number picking up document	6
Number responding to bid	2*

\*Purchasing contacted suppliers who downloaded the document and did not submit a bid. From those contacted suppliers, all four (4) suppliers indicated they were unable to meet the tight project schedule due to current workload.

**PRICE SUMMARY**

Suppliers	Bid Price (Inclusive of HST)
Hawkins Contracting Services Limited	\$ 864,578.81*
Pine Valley Corporation	\$ 887,039.39

The project is anticipated to be substantially completed by March 2018, with the Obelisk structural foundation and the base concrete of the surrounding plaza to be completed by September 2017 (to permit curing and install of the Obelisk starting in October 2017). Operations, Asset Management, Recreation and Procurement were consulted during the process.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

Operations Department has identified the future maintenance requirements which include grass cutting and trimming, litter pick-up, garbage disposal and playground inspections.

The Markham Village Veteran Square is 0.539 hectares and the budgeted cost per hectare is \$8,796/ha (2018 budgeted rate). Therefore the annual operating and maintenance impact is approximately \$4,741.04 (0.539 ha x 8,796/ha). The operating impact will be added to the 2018 Operating budget.

The life cycle impact of this park will be \$733K. The life cycle impact of this park is estimated to be 80% of the total construction of the park. Staff will update the Life Cycle Reserve Study at the next update to incorporate the various components of the park.

**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)



## STAFF AWARD REPORT

Page 1 of 2

To:	Jim Baird, Commissioner, Development Services
Re:	212-T-17 Water, Sanitary and Storm Sewer Connections at Various Locations
Date:	August 17, 2017
Prepared by:	Kay Man Poon, Manager, Municipal Inspections, Ext. 2897 Tony Casale, Senior Construction Buyer, Ext. 3190

### PURPOSE

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

### RECOMMENDATION

Recommended Supplier (s)	Efcon Inc. (Lowest Priced Supplier)	
Less Cost of Award	\$ 148,000.00	Cost of award (Excl. of HST )*
	\$ 19,240.00	HST (13%)
	\$ 167,240.00	Total Cost of Award

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

### BACKGROUND

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

Location 1: 65 Chatelaine Dr  
Location 2: 40 Kirk Dr  
Location 3: 9 Eckardt Dr  
Location 4: 71 Chatelaine Dr  
Location 5: 135 Fitzgerald Ave  
Location 6: 19 Honeybourne Cres  
Location 7: 90 Morgan Ave  
Location 8: 14 Rothsay Rd  
Location 9: 58 Peter St  
Location 10: 6840 14th Ave  
Location 11: 27 Emily Carr St  
Location 12: 8 Strathroy Cres  
Location 13: 7 Trumpour Crt

### BID INFORMATION

Advertised	ETN
Bids closed on	August 16, 2017
Number picking up bid documents	9
Number responding to bid	6

**PRICE SUMMARY (Exclusive of HST)**

<b>Locations</b>	<b>Efcon Inc.</b>	<b>MAAD Excavation Inc.</b>	<b>FDM Contracting Co. Ltd.</b>	<b>Calpine Construction</b>	<b>Trisan Construction</b>	<b>Dig-Con International Limited</b>
65 Chatelaine Dr	<b>\$14,450.00</b>	\$ 16,680.00	\$ 16,500.00	\$ 29,024.00	\$ 31,100.00	\$ 54,050.00
40 Kirk Dr	<b>\$12,500.00</b>	\$ 16,710.00	\$ 20,500.00	\$ 34,819.00	\$ 29,686.00	\$ 48,875.00
9 Eckardt Dr	<b>\$13,000.00</b>	\$ 17,312.00	\$ 24,750.00	\$ 38,480.00	\$ 34,823.00	\$ 58,650.00
71 Chatelaine Dr	<b>\$10,550.00</b>	\$ 14,680.00	\$ 15,500.00	\$ 30,346.00	\$ 30,059.00	\$ 50,600.00
135 Fitzgerald Ave	<b>\$12,250.00</b>	\$ 16,898.90	\$ 21,000.00	\$ 37,954.00	\$ 35,227.00	\$ 62,675.00
19 Honeybourne Crescent	<b>\$ 8,850.00</b>	\$ 12,376.00	\$ 16,500.00	\$ 26,168.00	\$ 29,719.00	\$ 40,250.00
90 Morgan Ave	<b>\$11,250.00</b>	\$ 17,369.80	\$ 20,500.00	\$ 37,484.00	\$ 35,354.00	\$ 48,875.00
14 Rothsay Rd	<b>\$11,450.00</b>	\$ 16,896.40	\$ 20,500.00	\$ 35,058.00	\$ 37,127.00	\$ 46,575.00
58 Peter St	<b>\$11,500.00</b>	\$ 17,619.00	\$ 21,000.00	\$ 35,470.00	\$ 31,616.00	\$ 52,900.00
6840 14th Ave	<b>\$10,200.00</b>	\$ 13,796.07	\$ 21,000.00	\$ 20,200.00	\$ 19,832.00	\$ 10,925.00
27 Emily Carr St	<b>\$10,800.00</b>	\$ 17,196.00	\$ 20,500.00	\$ 38,766.00	\$ 49,914.00	\$ 85,100.00
8 Strathroy Cres	<b>\$ 8,000.00</b>	\$ 10,196.80	\$ 16,500.00	\$ 30,322.00	\$ 25,545.00	\$ 33,637.50
7 Trumpour Crt	<b>\$13,200.00</b>	\$ 17,819.88	\$ 23,750.00	\$ 36,540.00	\$ 43,142.00	\$ 74,002.50

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

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

N/A

**ENVIRONMENTAL CONSIDERATIONS**

N/A



## STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	105-R-17 Consulting Engineering Services for the Hwy 404 North Collector Roads Class Environmental Assessment Study
Date:	June 1, 2017
Prepared by:	Nehal Azmy, Sr. Capital Works Engineer. Ext. 2197 Tony Casale, Senior Construction Buyer, ext. 3190

### PURPOSE

To obtain approval to award the contract for consulting engineering services for the Hwy 404 North Collector Roads Class Environmental Assessment Study.

### RECOMMENDATION

Recommended Supplier	CIMA Canada Inc. (Highest Ranked/Lowest Priced Supplier)	
Current Budget Available	\$ 315,800.00	083- 6900-17037-005 404 North Collector Road
Less: Cost of award	\$ 274,398.89	Cost of Award (Incl. of HST)
	\$ 9,002.71	Provisional Item *
	\$ 28,340.16	Contingency @ 10%
	\$ 311,741.76	Cost of Award (Incl. of HST)
	\$ 40,409.01	Internal Management Fee
	\$ 352,150.77	Total Project Cost
Budget Remaining after award	(\$ 36,350.77)	**

\* The provisional item is for a hydro-geological assessment and report which may be required. The requirement for the provisional item will not be confirmed until such time that the consultant has identified the alternatives and recommended options.

\*\* The shortfall of (\$36,350.77) will be funded from the Engineering Capital Contingency.

### BACKGROUND

The Highway 404 North Planning District area extends from approximately 400 meters north of 19th Avenue and south to approximately 600 meters north of Elgin Mills Road. Highway 404 defines the western limit while the eastern limit is primarily defined by Woodbine Avenue with a small area at the south end located east of Woodbine Avenue, between Woodbine Avenue and a Hydro One transmission corridor.

The Markham Highway 404 North Planning District Secondary Plan (OPA 149) requires completion of an Environmental Assessment Study to confirm the final alignment of the new north-south road and east-west road as per Schedule BB of the approved OPA 149 Secondary Plan and consequently to the pattern of other roads within this District.

An Environmental Assessment Study was completed for the road crossing of Hwy 404 between Elgin Mills Road and 19th Avenue. In addition, Markham's new Official Plan (2014) provides for the north Markham Future Urban Area which is bordered by Major Mackenzie Drive to the south, the Hydro Corridor and Woodbine Avenue to the west, the northerly City limits and Elgin Mills Road to the north, and the Robinson Creek to the east.

The objective of this project is to undertake a Municipal Class Environmental Assessment (EA) Study for the Hwy 404 North Collector Roads.

It is anticipated that the Environmental Assessment Study will commence in June 2017 and will be concluded with the filing of the Environmental Assessment Report by summer 2018.



## BID INFORMATION

Advertised	ETN
Bids closed on	April 20, 2017
Number picking up bid documents	9
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)
CIMA Canada Inc.	89.00*
Stantec Consulting Ltd.	71.90
MMM Group Limited	62.83
Lea Consulting Ltd.	59.84

\*The original bid price from the highest ranked and lowest priced supplier CIMA Canada Inc. was \$291,799.85 (Incl. of HST). Successful negotiations resulted in a price reduction of \$12,312.96 (Incl. of HST). Moreover, staff reviewed the project requirements and determined that the noise assessment could be deleted which further reduced the bid price by \$5,088.00 (Incl. of HST) which resulted in a cost of award in the amount of \$274,398.89 (Incl. of HST). Bid prices ranged from to \$274,398.89 to \$538,529 (Inclusive of HST).

Staff believe the costs to undertake this type of Environmental Assessment were underestimated and therefore, the shortfall exists.

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

## OPERATING BUDGET AND LIFE CYCLE IMPACT

The operating and Life Cycle cost impacts will be known upon completion of the detailed design.

## ENVIRONMENTAL CONSIDERATIONS

There are no environmental considerations associated with the detailed design of this project. Environmental considerations will be discussed in detail when the construction contract is awarded.



## STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	155-R-17 Detailed Design Services for the 2017 Sidewalk Program
Date:	June 28, 2017
Prepared by:	Dereje Tafesse, Sr. Capital Works Engineer. Ext. 2034 Tony Casale, Senior Construction Buyer, ext. 3190

### PURPOSE

To obtain approval to award the contract for detailed design services for the 2017 sidewalk program.

### RECOMMENDATION

Recommended Supplier	Stantec Consulting Ltd. (Highest Ranked/Second Lowest Priced Supplier)	
Current Budget Available	\$ 368,400.00	083-5350-17048-005 Sidewalk (City Wide)
Less: Cost of award	\$ 288,237.17	Cost of Award (Incl. of HST)
	\$ 28,823.71	Contingency @ 10%
	\$ 317,060.88	Cost of Award (Incl. of HST)
	\$ 41,047.31	Internal Management Fee
	\$ 358,108.19	Total Project Cost
Budget Remaining after award	\$ 10,291.81	*

\* Of the remaining budget, \$10,000 will be used for additional permit fees and survey work that may be required during the design stage and the remaining \$10,291.81 will be returned to the original funding source.

### BACKGROUND

The City of Markham administers the sidewalk program along regional roads and local collector roads. The City has developed an annual sidewalk construction program to facilitate a safe and reliable sidewalk network. This award is part of the 2017 sidewalk design program and includes the following areas:

#### Sidewalk

1. Rodick Road ( East Side – Clegg Road to 16th Avenue)
2. Rose Way (East side- Elm Lea St to Rose Way)
3. 14th Ave (South side – Woodbine Ave to Alden Rd)
4. Denison St. (North Side – Warden Ave to Birchmount Rd)
5. John St. (North Side – Pomona Mills Tennis Club to Henderson Ave)
6. South Park Rd. (North Side – Pond Dr to Commerce Valley Dr)
7. Micro Crt. (Birchmount Rd to East End -location to be identified)
8. 9th Line (West Side – Bur Oak Ave to DCP)
9. Highway 7 East (south side – South Dr. to Main St. Unionville)
10. Highway 7 East (South Side – at Oakcrest & Swansea Rd intersections)

It is anticipated that detailed design will commence in July 2017 and the anticipated schedule for construction is Spring 2018.

### BID INFORMATION

Advertised	ETN
Bids closed on	June 1, 2017
Number picking up bid documents	8
Number 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: 15% qualifications and experience of the consulting firm, 15% 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:

<b>Suppliers</b>	<b>Total Score (100 points)</b>
<b>Stantec Consulting Ltd.</b>	<b>87.01</b>
McIntosh Perry Consulting Engineers Ltd.	74.78
Ainley & Associates Limited	67.50
Noveen Engineering Inc.	60.79
Accardi Schaeffers & Associates Ltd.	54.77

Note: Bid prices ranged from \$254,380 to \$404,745 (Inclusive of HST).

Staff is recommending the highest ranked/second lowest priced supplier as their proposal satisfactorily demonstrated their experience and capability to undertake projects of similar size and scope. They have a good understanding of the project related requirements and provided a satisfactory methodology and work plan.

**OPERATING BUDGET AND LIFE CYCLE IMPACT**

The operating and Life Cycle cost impacts will be known upon completion of the detailed design.

**ENVIRONMENTAL CONSIDERATIONS**

There are no environmental considerations associated with the detailed design of this project. Environmental considerations will be discussed in detail when the construction contract is awarded.



### STAFF AWARD REPORT

To:	Andy Taylor, Chief Administrative Officer
Re:	309-R-12 Creative Design Services for the Flato Markham Theatre - Contract Extension
Date:	June 12, 2017
Prepared by:	Eric Lariviere, Manager, Markham Theatre, ext.7546 Darius Chung, Senior Buyer, Ext. 2025

#### PURPOSE

To obtain approval to extend the contract for Creative Design Services for the Flato Markham Theatre for an additional period of three (3) years starting September 1, 2017 and ending on August 31, 2020 at the same 2014 itemized pricing.

#### RECOMMENDATION

Recommended Supplier(s)	Wylde Creative Solutions Inc. (Non-Competitive Procurement)	
Current Budget Available	\$ 250,709.00	530-534-5801 – Discretionary Advertising
Budget Available for this Award	\$ 15,000.00	September 1 to December 31
Less: Cost of award	\$ 15,000.00	September 1, 2017 to December 31, 2017
	\$ 45,000.00	January 1, 2018 to December 31, 2018*
	\$ 45,000.00	January 1, 2019 to December 31, 2019*
	\$ 30,000.00	January 1, 2020 to August 31, 2020*
	\$ 135,000.00	Total Cost of Award
Budget Remaining after this award	\$ 0.00	

\* Subject to Council approval of the 2018-2020 operating budgets.

#### Staff further recommends:

That the City's Tender process be waived as the Ontario Provincial Government has undergone their own competitive process and in accordance with Purchasing By-Law 2017-18, Part II, Section 7 Non Competitive Procurement, item 1 (g) which states "Where it's in the City's best interest not to solicit a competitive bid";

#### BACKGROUND

The Flato Markham Theatre offers a wide range of programs, such as community performances, educational programs and professional shows as well as special events /galas. This contract is for creative design services for all programs including but not limited to season brochure, house programs, newspaper advertisements, and postcards.

Through a competitive bidding process in 2013, Wylde Creative Solutions Inc. was awarded the contract for three years. The supplier demonstrated a good understanding of the City's requirements and process over the years and Staff were satisfied with the service level.

#### OPTIONS/DISCUSSIONS

Wylde Creative Solutions Inc. continues to provide strong creative designs showing their experience, creativity, knowledge of current branding and solid understanding and expertise related to entertainment/theatre industry. Extending the contact ensures the no disruption in scheduling, all tight deadlines met and creativity continuity for the 2017-2020 seasons at the same itemized pricing.

Wylde Creative Solutions Inc. has agreed to extend the contract at the same monthly rate as previous years, which has remained constant throughout the contract term.

#### OPERATING BUDGET AND LIFE CYCLE IMPACT

N/A

#### ENVIRONMENTAL CONSIDERATIONS

N/A