



Report to: General Committee

Report Date: January 7, 2015

SUBJECT: Staff Awarded Contracts for the Month of December 2014
PREPARED BY: Alex Moore, Ext. 4711

RECOMMENDATION:

1. THAT the report entitled “Staff Awarded Contracts for the Month of December 2014” be received;
2. And that Staff be authorized and directed to do all things necessary to give effect to this resolution

PURPOSE:

To inform Council of Staff Awarded Contracts >\$50,000 for the month of December 2014 as per Purchasing By-law 2004-341.

BACKGROUND:

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

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

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

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

Community & Fire Services

Award Details	Description
Lowest Priced Supplier	• 190-Q-14 Mount Joy Administration Washroom Renovation at the Markham Museum • 192-Q-14 Supply/Installation of Back-up Diesel Generator at the former Sabiston Landfill Site • 234-T-14 Curb Box & Operating Rod Replacements • 239-T-14 Summer Camp Bussing Services 2015
Non competitive procurement	• 219-S-14 Field Condition Assessment for Ductile Iron Watermains

Development Services

Award Details	Description
Lowest Priced Supplier	• 251-T-14 Woodbine By-pass Clean-up North and South of Lord Melbourne Street • 254-T-14 Supply & Installation of Pedestrian Crossing Signals, Controller, Illumination, Pavement Markings and Permanent Roadway Signs at the Pedestrian Crossing on McCowan Road
Non competitive procurement	• 230-S-14 Irrigation & Electrical System Installation and Upgrade at Milliken Mills Soccer Fields/Baseball Diamond - part of City of Toronto's Milliken Pumping Stations and Reservoir Expansion Project

13/01/2015



Joel Lustig
Treasurer

13/01/2015



Trinela Cane
Commissioner, Corporate Services



STAFF AWARD REPORT

Page 1 of 2

To:	Phoebe Fu, Director, Asset Management
Re:	190-Q-14 Mount Joy Administration Washroom Renovation at the Markham Museum
Date:	December 18, 2014
Prepared by:	Renee Chong, Project Engineer, Ext. 2674 Leanne Lee, Senior Buyer, Ext. 2025

PURPOSE

To obtain approval to award the contract for the renovation of the washrooms in the Mount Joy School House located at the Markham Museum site.

RECOMMENDATION

Recommended Supplier	Atlas Build Corporation (Lowest Priced Supplier)	
Current budget available	\$ 48,489.00	510-101-5399-13222 Museum Annual Building Maintenance
	<u>\$ 35,000.00</u>	510-101-5399-15113 Museum Annual Building Maintenance
	\$ 83,489.00	Total
Less cost of award	\$ 70,112.64	(Inclusive of HST and provisional item)
	<u>\$ 7,011.26</u>	Contingency @ 10%
	\$ 77,123.90	Total (Inclusive of contingency & HST)
Budget Remaining after this award	\$ 6,365.10	*

*The remaining balance of \$6,365.10 will be used for consulting contract administration fees and building permit fees.

Note: On Nov 17, 2014 Council pre-approved 2015 capital of \$35,000 for Mount Joy washrooms in project #15113.

BACKGROUND

The washrooms (men's and women's), in the Mount Joy School facility have not undergone major repairs in the last 20 years and are due for lifecycle replacement. Updated walls, repairs to the floors, new fixtures where existing cannot be re-used and replacement of other amenities such as dispensers and heaters. New items will allow for a better customer experience these include change tables and upgraded lighting.

In 2013, funds were allocated to this project under #13222 for the Mount Joy washroom renovations. During the design stage it was evident that the project was under estimated. Additional funding of \$35,000 was budgeted for in project #15113 and was preapproved by Council on Nov 17th 2014.

All work will start on January 5, 2015 and be completed by May 30, 2015.

BID INFORMATION

Advertised	ETN
Bid closed on	December 15 , 2014
Number picking up document	75
Number responding to bid	31

PRICE SUMMARY

Suppliers	Price *
Atlas Build Corporation	\$ 70,112.64
MMD Construction	\$ 75,247.45
Frontier Group of Companies	\$ 75,342.09
DCL Management Unlimited	\$ 76,931.39
MRP Builders-Engineers Inc.	\$ 79,983.36
Fox Contracting Ltd	\$ 81,086.44
Domain Design Inc.	\$ 81,153.60
FPA Construction Inc.	\$ 81,682.40
Arc General Contracting	\$ 82,941.46
Euro Group	\$ 85,763.33
Norfield Construction Inc.	\$ 85,988.83
Onit Construction Inc.	\$ 90,146.13
Koler Construction Inc.	\$ 94,433.28
Dontex Construction Ltd.	\$ 95,206.66
Quality Contracting Co. Inc.	\$ 97,358.88
United Contracting Inc.	\$ 97,384.32
Trans Canada Construction	\$ 97,787.29
Samson Management	\$ 103,032.00
Rutherford Contracting Ltd.	\$ 103,265.03
R-Chad General Contracting Inc.	\$ 105,423.36
Deciatis Construction Limited	\$ 105,830.40
H.N. Construction Ltd	\$ 105,626.88
Ultimate Construction Inc.	\$ 107,636.64
Anacond	\$ 108,333.70
Portfolio Contracting Inc.	\$ 110,576.82
Pegah Construction Ltd.	\$ 119,771.52
Joe Pace & Sons Contracting Inc.	\$ 123,208.46
Eye-Con Contracting Ltd	\$ 123,231.36
MJK Construction Inc.	\$ 127,895.02
Celini Construction	\$ 130,151.04
Nafees Enterprises Inc.	\$ 132,288.00

*Price includes HST and provisional item is for removal and replacement of plumbing behind the wall if required and rebuilding of wall.



STAFF AWARD REPORT

To:	Phoebe Fu, Director, Asset Management
Re:	192-Q-14 Supply/Installation of Back-up Diesel Generator at the former Sabiston Landfill Site
Date:	December 12, 2014
Prepared by:	Bob Penner, Manager, Utilities, Survey & Assets Database, Ext. 4550 Tony Casale, Senior Construction Buyer, Ext. 3190

PURPOSE

To obtain approval to award the contract for the supply/installation of a back-up diesel generator at the former Sabiston Landfill site.

RECOMMENDATION

Recommended Supplier	Ferguson Electric Company Ltd. (Lowest Priced Supplier)	
Budget Available	\$ 78,783.21	750-101-5399-7028 Contracted Services
Less cost of award	\$ 66,449.28	Cost of Award (Incl. HST)
	\$ 6,644.92	Contingency (10%)
	\$ 73,094.20	Total Award Inclusive of HST
Budget Remaining after this award	\$ 5,689.00	*

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

BACKGROUND

This project is for the supply and installation of a back-up diesel generator to provide stand-by electrical power to the blower building at the former Sabiston Landfill site. The purpose of the back-up diesel generator is to ensure that the blower is fully functional in the event of a power failure

BID INFORMATION

Advertised	ETN
Bid closed on	December 2, 2014
Number picking up document	9
Number responding to bid	4

Note: Purchasing staff contacted potential bidders and two bidders advised they could supply the generator but could not provide installation services.

PRICE SUMMARY

Suppliers	Price (Inclusive of HST)
Ferguson Electric Company Ltd	\$ 66,449.28
Superior Boiler Works and Welding Limited	\$ 67,751.81
Weinmann Electric Limited	\$ 93,822.01
SMC Project Realization and Management Inc.	\$120,789.12



STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	234-T-14 Curb Box & Operating Rod Replacements
Date:	January 13, 2015
Prepared by:	Eddy Wu, Manager - Operations & Maintenance, Waterworks Ext. 2445 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE

To obtain approval to award the contract for curb box and operating rod replacements for three (3) years at the same itemized prices.

RECOMMENDATION

Recommended Supplier	P.A. Envirovac Inc. (Lowest Priced Supplier)	
Current budget available	\$ 160,000.00	Various Accounts (see Financial Considerations)
Cost of award	\$ 147,857.28	2015 cost of award (inclusive of HST) *
	\$ 147,857.28	2016 cost of award (inclusive of HST) *
	\$ 147,857.28	2017 cost of award (inclusive of HST) *
	\$ 443,571.84	Total Cost of Award (inclusive of HST)
Budget Remaining after this award	\$ 12,142.72	** (\$160,000 - \$147,857.28)

*The cost of award is subject to Council approval of the 2015-2017 budgets.

**The remaining balance will be used as a contingency for any additional expenses incurred resulting from adverse weather conditions and/or other unanticipated circumstances.

BACKGROUND

A curb box is a shut off valve for a water service connection generally located at the property line in front of a house or building and is accessible from the ground surface. The City maintains the box and underground valve that controls the water service connection to a property. The majority of the repairs and replacement of this appurtenance is for the replacement of operating rod and curb box which is done by a vacuum excavation method. In the case of a broken or leaking valve the curb box is dug up and replaced.

BID INFORMATION

Advertised	ETN
Bid closed on	November 25, 2014
Number picking up document	13
Number responding to bid	7

PRICE SUMMARY

Suppliers	
P.A. Envirovac Inc.	\$147,857.28
A & G The Road Cleaners Ltd.	\$151,062.72
Super Sucker Hydro Vac Service	\$174,900.00
Ontario Excavac Inc.	\$271,190.40
Global Cathodic Protection Inc.	\$283,299.84
PGC Service Inc.	\$312,301.44
Mastercrete Construction Inc.	\$435,939.84

*The price represents an increase 16.3% increase over the 2011- 2014 contract however, the prices under this contract are firmed fixed for three (3) years commencing on January 1, 2015.

FINANCIAL CONSIDERATION

Account Name	Account #	Proposed 2015 Budget	Amount to allocate for this Award	Budget remaining
Water Main Breaks	760-100-5300	\$422,030	\$20,000	\$402,030
T&D Residential Services	760-111-5300	\$183,825	\$120,000	\$63,825
T&D ICI Services	760-112-5300	\$29,827	\$10,000	\$19,827
T&D Valves	760-113-5300	\$93,575	\$10,000	\$83,575



STAFF AWARD REPORT

To:	Brenda Librecz, Commissioner Community & Fire Services
Re:	239-T-14 Summer Camp Bussing Services 2015
Date:	November 19, 2014
Prepared by:	Marsha Mariani, Recreation Co-ordinator - Programs and Outreach, ext 7120 Leanne Lee, Senior Buyer, ext. 2025

PURPOSE

To obtain approval to award the contract for Summer Bussing Services for two (2) years (2015 and 2016 seasons) with an option to renew for one (1) additional year at the same itemized pricing.

RECOMMENDATION

Recommended Supplier	First Student (Lowest Priced Bidder)	
2015 Budget Available	\$104,895.00	* Various Bus Rental Accounts
Less cost of award	\$103,888.57 \$103,887.57 <u>\$103,888.57</u> \$311,665.72	2015 Cost of Award * 2016 Cost of Award * 2017 Cost of Award * Total Cost of Award (Inclusive of HST)
2015 Budget Remaining after this award	\$ 1,006.43	** (\$104,895.00 - \$103,888.57)

* Subject to Council approval of 2015, 2016, 2017 operating budget.

** The remaining budget of \$1,006.43 will be used to fund growth for future years

BACKGROUND

This contract is for bussing services for various summer camps throughout the City.

BID INFORMATION

Advertised	Electronic Tendering Network
Bids closed on	November 18, 2014
Number picking up bid documents	7
Number responding to bid	3

PRICE SUMMARY

Suppliers	Bid Opening Price (incl. HST)	Revised Price (Incl. HST)*
First Student	\$ 124,028.35	\$ 103,888.57
Stock Transportation	\$ 126,159.60	\$ 107,966.54
Sharp Transportation	\$ 140,509.58	\$ 123,670.72

*Staff have adjusted all Tender Submissions to reflect reduced requirements. In particular, the Thornhill Area Camp costs were reduced by \$7,744.87 and Milliken Mills Community Centre Field Trips were reduced by \$12,394.91, for a total of \$20,139.78 (excl. tax).

Note: Pricing is firm fixed for two (2) years (2015-2016). Compared to the previous contract (2012-2014), this contract represents approximately a 16% decrease.



STAFF AWARD REPORT

Page 1 of 4

To:	Andy Taylor, Chief Administrative Officer
Re:	219-S-14 Field Condition Assessment for Ductile Iron Watermains
Date:	December 10, 2014
Prepared by:	Paul Li, Senior Infrastructure Project Engineer, Ext. 2646 Patti Malone, Senior Buyer, Ext. 2239

PURPOSE

To obtain approval to award the contract for field condition assessment, including CCTV inspection and pipe wall thickness measurement, on 2 kilometers (km) of ductile iron watermains.

RECOMMENDATION

Recommended Supplier	Global Asset Management Engineering (GAME) Trenchless Consultants (Non competitive procurement)	
Current Budget Available	\$ 125,054.00	760-101-5399-14320 Water System Physical Condition Assessment*
Less cost of award	\$ 118,042.00	Inclusive of HST
	\$ 5,902.00	5% Contingency
	\$ 123,944.00	Total Cost of Award (Inclusive of HST)
Budget remaining after this award	\$ 1,110.00	

*The 2014 Capital budget form included a field condition survey on 20km of ductile iron watermains based on an assumption from a previous contract, 250-S-12 which used the acoustic-based technology. The Capital budget form identified two phases to the project:

- 1) Risk and condition assessment study on the entire 225km of ductile iron watermains
- 2) Actual field investigation survey, with the quantity of kilometers being determined from the results of the risk and condition assessment carried out in phase 1

Through this award, Staff and the consultant are recommending to undertake a field condition survey on 2 km of selected ductile iron watermains using the ultrasonic technique, based on the findings of the risk & condition assessment in phase 1 and an evaluation of current technology available. Field survey will be undertaken on 2km of water mains using the ultrasonic technique, as opposed to the acoustic based technology used previously, as it provides more comprehensive and accurate results on the pipe wall thickness. The 2km field survey will consist of varying lengths of ductile iron watermains taken from various locations across the City, in order to provide a comprehensive representative assessment of the condition of the entire 225km.

Staff further recommends:

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

BACKGROUND

The City owns and operates about 1,000 km of watermains, among which 225 kilometers (km) are ductile iron (DI) watermains with sizes varying from 150 mm to 450 mm in diameter. Installation of DI watermains for the City's water distribution system dates back to 1964, and continues as late as 2011. The City needs to identify and evaluate the physical conditions of the DI watermains so as to determine the probability of failure, estimate the remaining life and to develop a strategic rehabilitation/replacement program.

The City retained a consultant, Cole Engineering Group Ltd. (Cole) in June 2014 through a competitive bidding process to plan, coordinate and manage the pipe condition assessment field work on the 225 km of DI watermains. Also, Cole were requested to evaluate current technology available for this field condition assessment, and recommend the most suitable technology to be used by Markham.

BACKGROUND (Continued)

As part of the 225 km DI watermains condition assessment study, Cole identified 2 km of the DI watermains sections with various levels of risk, which required a thorough field condition assessment. Cole also studied and evaluated four different types of non-destructive technologies (NDT) currently available on the market for DI watermains assessment, they included the following:

1. Acoustic-based assessment
2. Remote field technique
3. CCTV camera inspection (Alone)
4. Ultrasonic technique

Non-destructive technologies**1. Acoustic-Based Assessment**

- Acoustic techniques are valuable in determining leakage and calculated average pipe wall thickness from a water supply network. There are many variations on the theme, with the two most commonly used for condition assessment being the Pure Technologies SmartBall, and the Echologics technology. The Echologics tools are ideally suited for determining where a more detailed condition assessment should be undertaken. SmartBall is more suited to trunk main assessment. Neither will give the City the detailed and quantifiable wall thickness and corrosion measurements required.

2. Remote Field Technique

- The SeeSnake technology, offered by PICA Corp, is a remote field technique tool which can be introduced into the watermain via a hydrant. Prior to this happening, the pipeline to be inspected is isolated and swabbed, to remove any tuberculation and to prove the pipeline. The inspection can take place in pressurized pipelines, and will detect graphitic corrosion, cracks and pitting. The tool is mobilized by the water in the pipeline to the end of the section to be inspected, and is then winched back.

The Remote Field Technology tools offer a comprehensive evaluation of the metallic pipeline being surveyed, including the quantification of wall thickness and corrosion features. The major disadvantage is the pipeline cleaning that needs to take place ahead of the survey, and the flushing afterwards.

3. CCTV Camera Inspection (Alone)

- CCTV is more commonly associated with the visual condition assessment of sewers, where defects are visually coded using a certain methodology. In watermains, using CCTV is more difficult. CCTV is a very subjective condition evaluation technique, and whilst internal tuberculation would of course be obvious, any associated corrosion would not. Further, CCTV will give no appreciation of any deterioration of the outside surface of the pipeline. CCTV alone is subjective, and gives the City no information on any corrosion or leakage occurring in the pipelines.

4. Ultrasonic Technique

- JD7 / GAME consultants offer an ultrasonic technique for measuring actual pipe wall thickness. The tool is PipeScan+, and incorporates the ultrasonic measuring technology and an in-line CCTV camera. This enables the user to get an appreciation of actual internal condition. The tool enters via a hydrant, with no pipeline preparation required. It can be pushed in either direction from a single hydrant entry, and can cover approximately 50m in each direction for the entry point. A full circumference scan takes place at distances to be agreed with the client, but typically every 300mm over the full length of the survey. The tool is able to measure metallic wall thickness through liners such as cement mortar.

Non-destructive technologies (Continued)

- Pipescan+ will quantify pipe wall thickness and corrosion features at regular intervals along the length of the pipeline being surveyed. In addition, the CCTV camera will enable any internal tuberculation to be viewed. The tool can be introduced into the watermains with minimal preparation to the existing hydrants, and no pre-cleaning or swabbing. Flushing after the survey is not required, and residents should be completely unaware that the survey has been undertaken.

Comparison between the four Non-Destructive technologies for watermain field condition assessment based on screening criterion is shown as follows:

	Non-Destructive Technologies for Watermain Field Condition Assessment			
Screening Criterion	Acoustic Technique	Remote Field Technique	CCTV Camera	Ultrasonic Technique (recommended)
Pre-cleaning of pipeline required	No	Yes	Yes	No
Disinfection of pipeline required after assessment	No	Yes	Yes	No
Specialized launch fitting required	No	Yes	No	No
Disruption of water services required	No	Yes	Yes	No
Field pipe sampling required	Yes	No	Yes	No
Provide internal pipe image	No	No	Yes	Yes
Provide leakage detection	Yes	Yes	No	Yes
Provide extent of pipe corrosion	No	Yes	No	Yes
Provide quantification of pipe wall thickness at specified intervals	No*	Yes	No	Yes
Criteria Score:	5.5	4	2	9
Price (including tax impact & contingency):	\$118,000 + \$375,000**	\$148,875***	N/A****	\$123,944

Note: *Acoustic technique only provides average pipe wall thickness over length of pipeline inspected.

** \$493,000 = \$118,000 (cost for acoustic technology) + \$375,000 (estimated cost based on 15 f field pipe samples required and laboratory pipe assessments).

*** Contractor quoted price excluding post assessment pipeline disinfection to be undertaken by the City.

**** Technology does not meet City's field condition assessment objectives, no price obtained

The ultrasonic technique is recommended to be the most appropriate technology as it minimizes water service disruption and can provide CCTV inspection, leakage detection and circumferential pipe wall thickness measurement. In addition it provides a scan of the cross-section of pipe at every one foot intervals, whereas the acoustic-based technology can only provide an estimate of average pipe thickness over length of pipeline inspected.

Ultrasonic technique supplier

In 2005, a non-destructive and ultrasonic-based technology tailored for leak detection and pipe condition assessment of watermains with minimal to no impact to customer services had been developed by JD7 Ltd. in UK. The associated technology was patented as PipeScan+ and exclusive licensing rights were granted to Global Asset Management Engineering (GAME) Trenchless Consultants to commercialize the system applications in North America. Based on the information from Cole, there are no other companies in North America offering pipe inspection services with similar ultrasonic technology. Therefore GAME Trenchless Consultants is the only supplier available in both Canada and USA.

Value for money

The following is a price comparison with the recommended technique (#4 ultrasonic technique) and the other three techniques.

#1 Acoustic-Based Assessment

In comparing the acoustic-based assessment (#1) with the recommended ultrasonic technique (#4), the acoustic-based technology would need additional field verification work and a larger amount of kilometers for field survey to be carried out in order to obtain a comparable level of comprehensive results as the ultrasonic technique. The additional field work would consist of obtaining pipe samples from the field and laboratory pipe sample assessments. The previous contract award was for \$118,000 for 10km using acoustic-based technology. The cost of the additional field work would be \$375,000, equating to a total cost of \$493,000. In comparison, using the ultrasonic technology the price is 75% lower. The other benefits for the ultrasonic technique are that there will be no interruption to water services and traffic when conducting the field condition survey and greater accuracy of the pipe wall thickness.

#2 Remote Field Technique

Staff were able to receive a quote for technology #2 (remote field technique) and the price was \$148,875. The recommended technology #4 (ultrasonic technique) is approximately 17% lower in cost.

#3 CCTV Camera Inspection (Alone)

Technology #3 (CCTV) only provides video information and does not fulfill the City's field condition assessment objectives.

The ultrasonic technique is recommended to be the most appropriate non-destructive technology (NDT) with minimal impact on water services, and can fully meet the City's field condition assessment objectives. This is the first time that the ultrasonic technology method is being used, and the use of this technology in future years will be dependent upon the outcome of the work carried out for this contract.

Staff is of the opinion that GAME Trenchless Consultants can provide these services in a reliable, effective and efficient manner. They have proven track records with other Ontario municipalities, including City of Sudbury and City of Vaughan, in terms of quality and services, including project planning, equipment mobilization/demobilization, staff time and field survey report.



STAFF AWARD REPORT

Page 1 of 2

To:	Jim Baird, Commissioner, Development Services
Re:	251-T-14 Woodbine By-pass Clean-up North and South of Lord Melbourne Street
Date:	November 24, 2014
Prepared by:	Alberto Lim, Sr. Capital Works Engineer, Ext. 2860 Tony Casale, Senior Construction Buyer, Ext. 3190

PURPOSE

To obtain approval to award the contract for the Woodbine By-pass Clean-up North and South of Lord Melbourne Street.

RECOMMENDATION

Recommended Supplier	Rutherford Contracting Ltd. (Lowest Priced Supplier)	
Current Budget Available	\$ 512,344.00	640-101-5399-8441 Woodbine By-Pass, Road Construction Phase 2A, 2B and 3A
Less cost of award	\$ 284,064.73	Cost of Award (Incl. of HST)
	\$ 28,406.47	Contingency (10%)
	\$ 312,471.20	Total Cost of Award (Incl. of HST)
Budget Remaining after this award	\$ 199,872.80	*

*Remaining budget of \$199,872.80 will be returned to the original funding source.

BACKGROUND

The Woodbine By-Pass north of Major Mackenzie Drive was constructed by the City from 2009 to 2012 in three different phases under three different contracts. Two tri-party agreements were signed prior to construction between the City, the Region of York, West Cathedral Management and North Woodbine, which specify the terms and conditions for construction funding and the assumption of the Woodbine By-Pass by the Region.

The City, as required, agreed to carry out the following before the Region assumes the road:

- Flush all storm sewers free of road materials and foreign matter;
- Sweep roadway pavement;
- Rectify and repair damage and settlements to curbs, sidewalks, boulevards and transverse and longitudinal cracking on pavement asphalt;
- Remove and repaint line markings as directed by the Region.

The works tendered in this contract are the deficiencies assessed by the Region and include:

- Developer's deficiencies
- City obligations.

BID INFORMATION

Advertised	ETN
Bid closed on	November 18, 2014
Number picking up document	8
Number responding to bid	2

PRICE SUMMARY

Suppliers	Price (Inclusive of HST)
Rutherford Contracting Ltd.	\$ 284,064.73
Trisan Construction	\$ 515,977.92

The project is being funded from the existing Woodbine By-pass Capital Account (640-101-5399-8441). This account includes funding from the Region (i.e. Roads), the Developer (upfront cost for the Region) and the City of Markham (sidewalks and illumination). The Developer's costs (\$35K) associated with their deficiencies as a result of subdivision works will be funded from their Letters of Credit. The City's share of the works (\$277K) will be funded from account 8441. Any unused amount from the Letters of Credit will be returned back to the developers in accordance to the Tri-Party Agreement.

DISCUSSIONS

Following completion of this contract, the Region will start the road transfer process of the Woodbine By-Pass from the City to the Region in early January 2015. The Region will also be transferring ownership of the Old Woodbine Road to the City.

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

To:	Jim Baird, Commissioner, Development Services
Re:	254-T-14 Supply & Installation of Pedestrian Crossing Signals, Controller, Illumination, Pavement Markings and Permanent Roadway Signs at the Pedestrian Crossing on McCowan Road
Date:	December 5, 2014
Prepared by:	Dereje Tafesse, Capital Works Engineer, Ext. 2034 Tony Casale, Senior Construction Buyer, Ext. 3190

PURPOSE

To obtain approval to award the contract for the supply and installation of pedestrian crossing signals, controller, illumination, pavement markings and permanent roadway signs at the pedestrian crossing on McCowan Road.

RECOMMENDATION

Recommended Supplier	Guild Electric Limited (Lowest Priced Supplier)	
Current Budget Available	\$ 1,979,965.00	083-5350-14403-005 Cycling and Trails – Toogood Pond to Bob Hunter Park
Less cost of award	\$ 99,012.20	Cost of Award (Incl. of HST)
	<u>\$ 9,901.22</u>	Contingency (10%)
	\$ 108,913.42	Cost of Award Inclusive of HST
	<u>\$ 8,168.50</u>	Internal Management Fee @ 7.5%
	\$ 117,081.92	Total Cost of Project
Budget Remaining after this award	\$ 1,862,883.08	*

*The remaining budget will be used for phase II construction of the multi-use pathway from Toogood Pond to Bob Hunter Park.

BACKGROUND

Markham multi-use path is planned trail network being undertaken by the City in the Rouge River Valley. The planned trail network will supplement and connect existing trails to provide a contiguous network from Toogood Pond, through the Milne Dam Conservation Area to Bob Hunter Memorial Park in the City of Markham. During the EA, various route options have been analyzed. The highest scoring option for Area 3 (between Highway 7 and McCowan Road) in the EA proposes that the path cross McCowan Road in the vicinity of the Milne Dam Conservation Park driveway.

Currently, there is no formal crossing on McCowan Road in the Milne Dam Conservation area. The nearest signalized intersections are approximately 500 meters to the north at Highway 7 and approximately 300 metres to the south at South Unionville Avenue. Given these distances, it is logical to anticipate that trail users would wish to cross McCowan Road directly between the west and east portions of the multi-use trail. As a result a pedestrian signal crossing is required to allow pedestrians to safely cross McCowan Road.

The scope of work includes the supply supply and installation of pedestrian crossing signals, controller, illumination, pavement markings and permanent roadway signs at the pedestrian crossing on McCowan Road south of Highway 7 and north of the Milne Conservation Park main entrance.

BID INFORMATION

Advertised	ETN
Bid closed on	December 3, 2014
Number picking up document	8
Number responding to bid	3

PRICE SUMMARY

Suppliers	Price (Inclusive of HST)
Guild Electric Limited	\$ 99,012.20
Fellmore Electrical Contractors	\$ 125,702.60
Beacon Utility Contractors Limited	\$ 125,960.56



STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	230-S-14 Irrigation & Electrical System Installation and Upgrade at Milliken Mills Soccer Fields/Baseball Diamond - part of City of Toronto's Milliken Pumping Stations and Reservoir Expansion Project
Date:	November 25, 2014
Prepared by:	Dereje Tafesse, Capital Works Engineer, ext. 2034 Tony Casale, Senior Construction Buyer, ext. 3190

PURPOSE

To obtain approval to issue a purchase order for the installation of irrigation/electrical systems at the Milliken Mills Park as part of the City of Toronto's Milliken Mills Pumping Station and Reservoir Expansion Project.

RECOMMENDATION

Recommended Supplier	City of Toronto (Non competitive procurement)	
Current Budget Available	\$ 171,304.48	059-6150-13853-005 Milliken Mills Sport field Rehab
Less cost of award	\$ 77,519.08	Cost of Award (Incl. of HST)
	\$ 9,302.29	Engineering Fee (12%)
	\$ 86,821.37	Total Award
Budget Remaining after this award	\$ 84,483.11	*

*The remaining budget will be used for final billing for turf infield and for the new pump that will be installed by 2015.

Staff further recommends:

THAT the tendering process be waived in accordance with Purchasing By-Law #2004-341, Part II, Section 7 Non Competitive Procurement, item 2(d) which states "Tenders, Requests for Proposal and Requests for Quotation may not be required for goods and services to be provided by Municipalities and special purpose bodies with the City when similar goods or services are not available from any other source;"

BACKGROUND

The City of Toronto expanded the Milliken Mills reservoir and pumping station to maintain proper water system pressure and to service future growth in Toronto, Markham and York Region. The project was funded by the Region of York and the City of Toronto. The land on which the reservoir and pumping station are located is owned by the City of Toronto and part of the land is leased to the City of Markham for recreational use (i.e. soccer and baseball diamond fields).

During design it was identified that the existing playing field irrigation system located on top of the reservoir required removal to allow for replacement of waterproofing on the original buried reservoir roof slab, thus leaving the site without irrigation as previously utilized by the City of Markham. York Region agreed to undertake 50% of the cost to a maximum value of \$50,000.00 and the City of Toronto also agreed to cover a similar portion of the costs (\$50,000.00).

During construction, it was determined that upgrades were required for the irrigation and electrical systems (beyond the upset limit of \$100,000.00). The upgrades were estimated to cost approximately \$185,500.00. In April 2013, Council approved the creation of an account to fund the Milliken Mills Sports field Rehabilitation in the amount of \$185,000.00.

CONSTRUCTION TASKS

The additional design and construction upgrade work to satisfy the City of Markham requirements was reviewed and approved by the Operations Department and the construction work was completed by the City of Toronto as part of the reservoir expansion project. The additional work included the following:

1. Design and construction administration services in the amount of \$37,137.31 (Incl. of HST)
2. Construction services to upgrade the main line pipe and pump in the amount of 110,256.96 inclusive of HST to allow the entire site including the baseball diamond to be watered within an eight hour watering window as the existing system was overloaded.
3. Installation of a new lighting cabinet (control cabinet) in the amount of \$31,884.81 inclusive of HST for the park lighting system as the existing cabinet was outdated and not operational.

Item	Type of Work	Cost of Award (Incl. of HST)
1	Design and CA Soccer Fields/Baseball Diamond	\$ 37,137.31
2	Construction Cost Soccer Fields/Baseball Diamond	\$110,256.96
3	Electrical System Upgrade	\$ 31,884.81
4	Engineering Fee (12%)	\$ 9,302.29
	Cost of Award (Incl. of HST)	\$188,581.37
	Less: Contribution from the City of Toronto and York Region	\$101,760.00
	City of Markham Contribution (Incl. of HST)	\$ 86,821.37

DISCUSSION

In reviewing the additional work, staff determined it's in the best interest of the City of Markham to authorize the additional work as part of the Milliken Mills pumping stations and reservoir Expansion project. In addition, funding approved from the Region of York and the City of Toronto is based on the expansion work identified by both municipalities.

The cost (\$86,821.37, inclusive of HST) from the City of Toronto for completing the design revision and construction of the electrical and irrigation system is reasonable as retaining a separate design consultant and a contractor for projects of similar size and complexity would have been more costly.