



Report to: General Committee

Report Date: November 2, 2015

SUBJECT: Staff Awarded Contracts for the Month of October 2015

PREPARED BY: Alex Moore, Ext. 4711

RECOMMENDATION:

1. THAT the report entitled “Staff Awarded Contracts for the Month of October 2015” 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 October 2015 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.

Chief Administrative Officer

Award Details	Description
Highest Ranked /Third Lowest Priced Supplier	<ul style="list-style-type: none">• 017-R-15 Development of Markham’s Municipal Energy Plan, Consulting Services

Community & Fire Services

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none">• 199-Q-15 Supply, Delivery of Propane and Rental of Cylinders• 201-T-15 Baseball and Softball Relighting Project• 211-T-15 Snow Load and Haul on City Main Streets• 235-Q-15 Curb Replacement and Asphalt Removal at Pan Am Centre
Non-Competitive Supplier	<ul style="list-style-type: none">• 189-S-15 Tennis Courts – Resurfacing / Rebuilding

Development Services

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none">• 091-T-15 Sidewalk & Street Lighting Program on Local and Regional Roads• 218- T-15 Box Grove Hill East Parkette (66 Bernbridge Rd.) – Construction• 224-T-15 Water, Sanitary and Storm Sewer Connections at Various Locations

17/11/2015

X 

Joel Lustig
Treasurer

17/11/2015

X 

Trinela Cane
Commissioner, Corporate Services



STAFF AWARD REPORT

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To:	Andy Taylor, Chief Administrative Officer
Re:	017-R-15 Development of Markham's Municipal Energy Plan, Consulting Services
Date:	September 25, 2015
Prepared by:	Graham Seaman, Director, Sustainability Ext. 7523 Rosemarie Patano, Senior Construction Buyer, Purchasing Ext. 2990

PURPOSE

To obtain approval to award the contract for the development of Markham's Municipal Energy Plan.

RECOMMENDATION

Recommended Supplier	Sustainability Solutions Group (Highest Ranked Supplier/ Lowest Priced Supplier)	
Current Budget Available	\$ 174,000.00	270-101-5399-14065 Development of Markham's Municipal Energy Plan
Less cost of award	\$ 157,778.88	Total award (Inclusive of HST)
	\$ 15,777.89	Contingency @ 10%
	\$ 173,556.77	Total Cost of Award
Budget Remaining after this award	\$ 443.23	*

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

BACKGROUND

Launched in 2013, the Ministry of Energy established the Municipal Energy Plan ("MEP") program to support local energy planning in Ontario Municipalities. Specifically, the program supports municipalities' efforts to better understand their local energy consumption and needs, identify opportunities for energy efficiency and clean energy production, and develop an energy plan to meet their sustainability and energy goals.

In early 2014, Markham became one of the first eight municipalities to receive funding through the MEP program to develop a Municipal Energy Plan. The grant will support 50% of the cost to develop the energy plan in two years (2014-2016). Markham applied for and was granted the maximum of \$90,000 to support our MEP. It is essential for the project to be completed in the allotted timeframe as determined by the Province.

There are three stages in the Municipal Energy Plan program. These stages include:

- **Stage 1A: Stakeholder Engagement** (August 2014 – January 2015) – **Completed**
- **Stage 1B: RFP Preparation** (February 2015 – August 2015) – **Completed**
- **Stage 2: Energy Mapping & Study** (September 2015 – December 2015) – **Under this award**
- **Stage 3: Energy Plan Development** (January 2016 – December 2016) - **Under this award**

City staff completed Stages 1A and 1B of the MEP program, with the recommended supplier under this award to complete Stages 2 & 3 by the identified timelines above.

The purpose of Markham's Municipal Energy Plan is to prepare a comprehensive long term City-wide energy plan that will improve energy efficiency, reduce energy consumption and greenhouse gas emissions in established and new community areas. The MEP will consist of an Implementation Plan and a Communication & Engagement Plan to identify opportunities for green energy solutions to support local economic development; and meet the community objective of net zero energy, water, waste and emissions by 2050 from the Energy & Climate priority in the Greenprint, Markham's Community Sustainability Plan.

A Municipal Energy Plan integrates energy, infrastructure and land use planning together to create efficiencies and to identify opportunities for implementing energy retrofits in existing infrastructure, as well as integrating best practices and innovative technologies in new community areas. The MEP will support the policies in the City's new Official Plan and York Region's Official Plan to address Community Energy Plan requirements for future Secondary Plans. This will ensure that all new residential, commercial and industrial sectors within the City will maximize energy efficiency and generation starting in 2017.

BACKGROUND (Continued)

A Municipal Energy Plan integrates energy, infrastructure and land use planning together to create efficiencies and to identify The term “energy” within the MEP encompasses electricity, natural gas, water, all vehicle fuel sources sold within the City, and indirect uses of energy. The energy data collected for the study will be differentiated by building characteristics and transportation type to provide appropriate short to medium term measures and forecast long term targets.

Many high-tech companies have chosen Markham in which to locate their office, providing the City with great economic success. The MEP seeks to enhance the local economy by keeping more funds from energy sales local while becoming less dependent on external energy supply by 2050, thereby increasing our community's energy security and resilience.

The Municipal Energy Plan is intended to be a document endorsed by Council, which will provide short, medium and long term recommendations to reach the target of net zero energy, water, waste and emissions by 2050, otherwise net zero by 2050. The energy plan will also recommend strategic and creative ways to engage with new and retain existing stakeholders in communities, neighbourhoods and employment areas to adopt a culture of energy conservation. City staff has engaged with many key stakeholders forming a Stakeholder Working Group (“SWG”) in Stage 1 of the MEP process. The SWG comprises of stakeholders from local utility companies, residents, businesses, institutions, developers, etc. to inform, advise and recommend opportunities to collaborate and synergize sustainability and energy targets effectively. The SWG also recommends new stakeholders to the group to ensure that collaboration with key local industry leaders are included in the development of the MEP.

The Municipal Energy Plan will consist of a:

- Citywide GIS based energy intensity map (kWh/m² and kWh/capita)
- Baseline energy supply, distribution and consumption profile
 - Baseline analysis, trends and observations, energy intensity and GHG emissions intensity
- Terms of Reference for Community Energy Plans in Secondary Plans (supplied by City staff but reviewed by the Successful Supplier)
- Energy Descent Strategy to achieve net zero by 2050
- Implementation Plan
 - Monitoring & Reporting Plan
- Communication & Engagement Plan

The purpose of the Request for Proposals (“RFP”) was to retain a consulting team to assist with the development of Stages 2&3 of the Municipal Energy Plan for the City of Markham.

BID INFORMATION

Advertised	Electronic Tendering Notice
Bids closed on	August 13, 2015
Number picking up bid documents	37
Number responding to bid	3

PROPOSAL EVALUATION

The RFP was released with a three-stage evaluation approach whereby Suppliers were required to submit a Technical Proposal in Envelope 1 and a Price Proposal in Envelope 2. The Technical Proposal (Stage 1) was evaluated out of 70 points and the Price Proposal (Stage 2) was evaluated out of 30 points. The Evaluation Team for this RFP was comprised of staff from the Sustainability Office, and Planning Policy & Research, with Purchasing staff acting as the facilitator.

Evaluation of Stage 1 – Technical Proposal (Envelope 1)

The Stage 1 Technical Proposals were evaluated against the pre-established evaluation criteria as outlined in the RFP: 20 points for Experience and Qualification of the Supplier, Project Lead and Consulting Team; 30 points for Project Understanding, Methodology and Approach; and, 20 points for Project Delivery and Management. Suppliers, who scored a minimum of 75%, or 52.5 points out of 70, continued on to Stage 2 – Price Proposal (Envelope 2). The results of the Stage 1 evaluation are outlined below:

Suppliers	Score (out of 70)	Rank Results
Sustainability Solutions Group Workers Co-operative	66.00	1
Navigant Consulting Ltd.	49.50	2
Energy Profiles Ltd.	46.50	3

Suppliers who did not pass Stage 1 were unable to demonstrate a thorough understanding of the project and its requirements as well as identifying a project team capable of executing the project outcomes, specifically with community engagement and quality control. Further, these Suppliers did not provide to the City's satisfaction, appropriate references of completed work which were similar in scale and scope to the RFP.

Evaluation of Stage 2 – Price Proposal (Envelope 2)

Based on the Stage 1 evaluation, one Supplier received a score of a minimum of 75% or 52.5 points out of 70 and therefore, proceeded to Stage 2 - Price Proposal (Envelope 2). The sealed price proposal envelope (Envelope 2) provided by the supplier was opened and evaluated (exclusive of HST) out of 30 points, based on the criteria outlined in the RFP.

Suppliers	Price Proposal Score (out of 30)	Technical Proposal Score (out of 70)	Combined Overall Score Stage 1 & 2 Score (out of 100)
Sustainability Solutions Group Workers Co-operative	30.00	66.00	96.00

The Sustainability Solutions Group Workers Co-operative (“SSG”) scored the highest in Stage 1 – Technical Proposal demonstrating a thorough understanding of the project and its requirements. SSG’s proposal demonstrated to the City’s satisfaction that they and their partners have the ability to undertake the project and that they have a strong understanding of the project deliverables, key issues and challenges. Through the evaluation process, SSG demonstrated a depth of Canadian and Ontario experience and expertise as it specifically relates to the ability to undertake a large-scale community energy planning project with an emphasis on: energy and emissions modeling and planning; climate change mitigation and adaption; neighbourhood planning and design (urban design, natural infrastructure, water planning, green building, waste analysis, transportation planning); cost effective and open source modeling; excellent community engagement, innovative public consultation expertise; and, progressive policy measures to achieve healthy, connected and sustainable communities. SSG also provided a detailed project plan with clear check points and expectations of City staff, their quality control process met our expectations.

Price comparison

Since the recommended supplier was the only supplier to have its bid price opened, Staff ensured competitiveness of the bid by validating the following:

- Budget:
 - The quoted price from the Sustainability Solutions Group is within the estimated budget for this project
- Market Place:
 - There are only a few firms that develop community or municipal energy plans, which were realized when discussing with vendors who did not bid.
- Price comparison:
 - Staff undertook an analysis of the price provided to ascertain its competitiveness. Staff reviewed a recent consultant project which was awarded to the lowest priced supplier which received more than one submission. The recommended proponent is providing 984 hours at an average hourly rate of \$160/hour, which is in line with similar consultant services awarded recently.

Founded in 2001, SSG has established itself as a leader of community energy planning in Canada, with a key focus area of integrated community energy systems. With satellite offices in New York and Bristol, England SSG are directly exposed to international trends and best practices. Utilizing an inter-disciplinary approach with the firm, they capitalize on the unique and varied expertise of its Partners and Staff. SSG offers a wide scope of knowledge and abilities that lead projects from concept to completion. SSG’s professional staff and the sub-consultants involved in the proposal have the qualifications in the practice of strategic planning, stakeholder and public consultation, energy and environmental consulting, energy conservation and demand management, scenario analysis, forecasting, custom modeling, energy planning, integrated resource recovery, sustainability, local improvement charges and social equity. As a leading community energy and climate action planning firm in Canada, SSG has completed dozens of projects and plans, and their unique and extensive experience is directly applicable to the task that the City has outlined in the RFP. SSG is currently preparing the City of Kingston’s Community Energy Plan and had prepared the Town of Halton Hills’ Community Energy Plan in 2014.

ENVIRONMENTAL CONSIDERATIONS

The development of Markham’s Municipal Energy Plan supports the Energy & Climate priority in Markham’s Community Sustainability Plan, the Greenprint, with an objective of net zero energy, water, waste and emissions by 2050. Specifically, the MEP will define net zero by 2050 for each of the categories of energy, water, waste and emissions as well as meet recommendations #84 (create an Energy Descent Strategy to reduce greenhouse gas emissions) and recommendation #93 (promote ongoing community outreach, education and understanding on climate change) from the Greenprint.

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

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	199-Q-15 Supply, Delivery of Propane and Rental of Cylinders
Date:	September 15, 2015
Prepared by:	Adriano Trabucco, Community Facility Supervisor – North, Ext. 3787 Flora Chan, Senior Buyer, Ext. 3189

PURPOSE

To obtain approval to award the contract for the supply and delivery of propane and rental of propane cylinders for various City facilities for a term of THREE (3) years.

RECOMMENDATION

Recommended Supplier	Superior Propane (Lowest Priced Supplier)	
Current Budget Available	\$ 24,703.00	Various operating accounts
Less estimated cost of award	\$ 3,211.21	December 1, 2015 to December 31, 2015
	\$ 38,534.48	January 1 2016 to December 31, 2016*
	\$ 38,534.48	January 1 2017 to December 31, 2017*
	\$ 35,323.27	January 1 2018 to November 30, 2018*
	\$ 115,603.44	Total Award, inclusive of HST
Budget remaining	\$ 21,491.79	(\$24,703.00 – \$3,211.21)**

*Subject to Council approval of 2016-2018 Operating Budget.

**The remaining balance will be consumed by propane requirements from September to November of 2015 where demand is at its peak due to full utilization of all arenas during this period.

BACKGROUND

This contract is for supply, delivery, rental and pick-up of Propane Cylinders for Zamboni machines at various City facilities.

BID INFORMATION

Advertised	ETN
Bids closed on	September 9, 2015
Number picking up bid documents	5
Number responding to bid	2

PRICE SUMMARY

Suppliers	33 lb. Propane Refills (Total 2228)	Annual Rental of Propane Cylinders (Total 102)	100 lb. Propane Refills (Total 40)	Annual Rental of Propane Cylinders (Total 6)	Total Price per year (with HST Impact)
Superior Propane	\$15.57	\$18.32	\$46.70	\$18.32	\$38,534.48
Super Save Enterprises Ltd.	\$16.41	Free Issue	\$49.23	Free Issue	\$38,539.40

*All Unit Prices are firm and fixed for a one (1) year period and shown with HST Impact.

In previous 2012-2015 contract with Super Save Enterprises Ltd., the 33lb and 100lb propane were awarded for \$12.30 and \$36.90 respectively. In Year 2 of the contract, the Contractor increased prices to \$15.18 and \$45.54 respectively. In comparison to the previous award, the current award represents an annual increase of 6.24% or \$2,264.53 with minimal changes requirements (number of cylinders and frequency of refills).

FINANCIAL CONSIDERATIONS

Facility	ACCOUNT #	Frequency of Pick Up & Delivery	Number of 33lb propane cylinders	Rental Rate per cylinder	Visits per year	Est. Qty of 33lb propane cylinders per yr	Unit Price of 33lb cylinders	Number of 100lb propane cylinders	Rental Rate per cylinder	Visits per year	Est. Qty of 100lb propane cylinders per year	Unit Price of 100lb cylinders	Total Price per year (Pre-tax)	Total Price per year (with HST Impact)
A Thornhill Community Centre	501 921 4304	Weekly/All Year	16	\$ 18.00	52	434	\$ 15.30	0	\$ 18.00	0	0	\$ 45.89	\$ 6,928.20	\$ 7,050.14
B R.J. Clatworthy Arena	501 922 4304	Weekly/Sep to May	8	\$ 18.00	36	144	\$ 15.30	0	\$ 18.00	0	0	\$ 45.89	\$ 2,347.20	\$ 2,388.51
C Milliken Mills Community Centre	502 921 4304	Weekly/Sep to May	8	\$ 18.00	36	125	\$ 15.30	0	\$ 18.00	0	0	\$ 45.89	\$ 2,056.50	\$ 2,092.69
D Crosby Memorial Community Centre	502 922 4304	Weekly/Jul to May	8	\$ 18.00	44	208	\$ 15.30	0	\$ 18.00	0	0	\$ 45.89	\$ 3,326.40	\$ 3,384.94
E Centennial Community Centre	503 921 4304	Weekly/All Year	8	\$ 18.00	52	251	\$ 15.30	0	\$ 18.00	0	0	\$ 45.89	\$ 3,984.30	\$ 4,054.42
F Mount Joy Community Centre	503 922 4304	Weekly/Jul to May	8	\$ 18.00	44	144	\$ 15.30	0	\$ 18.00	0	0	\$ 45.89	\$ 2,347.20	\$ 2,388.51
G Markham Village Community	503 923 4304	Weekly/Sep to May	8	\$ 18.00	36	144	\$ 15.30	0	\$ 18.00	0	0	\$ 45.89	\$ 2,347.20	\$ 2,388.51
H Corporate Fleet & Equipment	750 751 4351	Biweekly/All Year	8	\$ 18.00	26	90	\$ 15.30	3	\$ 18.00	26	20	\$ 45.89	\$ 2,492.80	\$ 2,536.67
I Waterworks	760-998-4299	Biweekly/All Year	6	\$ 18.00	26	90	\$ 15.30	3	\$ 18.00	26	20	\$ 45.89	\$ 2,456.80	\$ 2,500.04
J Angus Glen Community Centre	504 921 4304	Weekly/All Year	16	\$ 18.00	52	523	\$ 15.30	0	\$ 18.00	0	0	\$ 45.89	\$ 8,289.90	\$ 8,435.80
K Civic Centre Ice Rink	504 921 4304	Weekly/Dec to Mar	8	\$ 18.00	16	75	\$ 15.30	0	\$ 18.00	0	0	\$ 45.89	\$ 1,291.50	\$ 1,314.23
Total			102			2228		6			40		\$ 37,868.00	\$ 38,534.48



STAFF AWARD REPORT

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	201-T-15 Baseball and Softball Relighting Project
Date:	October 9, 2015
Prepared by:	Steve Matunin, Acting Manager, Parks Operation, ext. 4560 Patti Malone, Senior Buyer, ext. 2239

PURPOSE

To obtain approval to award the contract for supply, replacement of floodlights and poles at Milliken Mills Baseball #3.

RECOMMENDATION

Recommended Supplier	Wayne Electric Co. Limited (Lowest Priced Supplier)	
Budget Available and Account #	\$ 465,230.56	Floodlights, Poles & Cross Arms Replacement 59615015220005
Less: Deferred locations (note 1)	\$ 245,230.56	
Net Budget Available	\$ 220,000.00	
Less cost of award	\$ 173,783.69	Inclusive of HST 10% Contingency Total Award
	\$ 17,378.37	
	\$ 191,162.06	
Budget Remaining after this award	\$ 28,837.94	*

Note 1: Based on a condition assessment, the budget amount of \$245,230.56 will be returned to original funding source due to the deferral of Bishop's Cross (Baseball), Milliken Mills High School (Football/Soccer/Track), and Milliken Mills Park (Park #4 – Softball).

* The remaining balance of \$28,837.94 will be returned to the original funding source

BACKGROUND

The project includes the removal and disposal of existing poles and floodlights at Milliken Mills baseball # 3 with the installation of new poles, cross arms and floodlights at these locations. The replacement of floodlights and poles coincides with the replacement of the electrical cable for improved illumination, safety and efficiency.

The work is to be completed by December 31, 2015.

BID INFORMATION

Advertised	ETN
Bids closed on	September 3, 2015
Number picking up bid documents	13
Number responding to bid	2*

* Purchasing received feedback from seven bidders who picked up the document however did not submit a price. Three bidders identified that they were too busy, two bidders could not provide the specifications included within the bid document, one bidder could not provide the required surety bonding and one bidder stated they felt they would not be competitive.

PRICE SUMMARY (Price inclusive of HST)

Locations	Wayne Electric Co. Ltd.	Kudlak-Baird (1982) Limited
Milliken Mills #3 Baseball	\$173,783.69	\$232,859.42
Morgan Park Softball	\$79,739.14*	\$122,302.21

*The tender included replacement of lighting at Morgan Park Softball, however, due to the park being decommissioned in three (3) years, Staff recommend not awarding this portion of the contract but rather doing some minor repairs to maintain the field until decommissioning occurs.

ENVIRONMENTAL CONSIDERATIONS

The Milliken Mills Baseball #3 will be equipped with controlled-optic sports floodlights that are designed to control the direct illumination and to reduce the dark sky illumination.



STAFF AWARD REPORT

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To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	211-T-15 Snow Load and Haul on City Main Streets
Date:	October 16, 2015
Prepared by:	John Hoover, Supervisor, Contract Administration, ext. 4808 Patti Malone, Senior Buyer, ext. 2239

PURPOSE

To obtain approval to award the contract to load and haul of snow on Markham Main Street (north and south locations), Unionville Main Street, Yonge Street, Cornell Park Avenue, Greensborough Park Circle and Markham Centre for one year with the option to renew for an additional three years at the same terms, conditions and pricing.

RECOMMENDATION

Recommended Supplier (s)	Rafat General Contracting Inc. (Lowest Priced Supplier - Markham Centre, Main Street Unionville, Yonge Street Thornhill) Cosimo Cotroneo Haulage Inc. (Lowest Priced Supplier - Markham Main Street (North and South)) TBG Environmental Inc. (Lowest Priced Supplier - Cornell Park Avenue and Greensborough Park Circle)	
Current Budget Available	\$ 32,054.25	700-504-5416 Snow Hauling Main Street
Less cost of award	\$ 4,579.20	2015 Inclusive of HST* (December)
	\$ 81,132.50	2016 Inclusive of HST**
	\$ 81,132.50	2017 Inclusive of HST**
	\$ 81,132.50	2018 Inclusive of HST**
	\$ 76,553.30	2019 Inclusive of HST** (January – March)
	\$ 324,530.00	Total Award
Budget Remaining after this award	\$ 27,475.05	(\$32,054.25 – \$4,579.20)***

*Markham Centre is only expected to require the load and haul of snow to be done once in December 2015.

**Subject to the Council approval of the 2016-2019 operating budget.

***The remaining balance will be used to partially offset the winter maintenance YTD unfavourable variance.

BACKGROUND

This service is to supply labour, equipment and traffic control measures necessary to load and haul snow for two occurrences per year for Markham Main Street (north and south locations), Unionville Main Street, Yonge Street in Thornhill, Cornell Park Avenue, Greensborough Park Circle and five occurrences for Markham Centre. This snow is to be hauled to a dump site designated by the City representative, complete with operators and equipment for the fixed price per occurrence.

BID INFORMATION

Advertised	ETN
Bids closed on	October 6, 2015
Number picking up bid documents	19
Number responding to bid	8

DETAILED PRICING INFORMATION (INCLUSIVE OF HST)

Markham Centre

Suppliers	Price Per Occurrence	Estimated Occurrences	Extended Price (Per Year)
Rafat General Contractor.	\$ 4,579.20	5	\$ 22,896.00
TBG Environmental Inc.	\$ 6,007.37	5	\$ 30,036.86
Triple J Contracting Inc.	\$ 8,461.95	5	\$ 42,309.77
D & A Road Services Inc.	\$ 10,176.00	5	\$ 50,880.00
Bluestar Construction Corp.	\$ 10,354.08	5	\$ 51,770.40

Markham Main Street (North and South)

Suppliers	Price Per Occurrence	Estimated Occurrences	Extended Price (Per Year)
Cosimo Cotroneo Haulage	\$ 8,944.70	2	\$ 17,889.40
Rafat General Contractor Inc.	\$ 17,808.00	2	\$ 35,616.00
D & A Road Services Inc.	\$ 25,440.00	2	\$ 50,880.00
TBG Environmental Inc.	\$ 26,341.20	2	\$ 52,682.39
Triple J Contracting Inc.	\$ 36,124.80	2	\$ 72,249.60
Bluestar Construction Corp.	\$ 50,574.72	2	\$ 101,149.44

Main Street Unionville

Suppliers	Price Per Occurrence	Estimated Occurrences	Extended Price (Per Year)
Rafat General Contractor	\$ 7,632.00	2	\$ 15,264.00
Wilson Contracting Limited	\$ 8,649.60	2	\$ 17,299.20
TBG Environmental Inc.	\$ 10,073.35	2	\$ 20,146.70
Multibobcat Services Ltd.	\$ 11,651.52	2	\$ 23,303.04
D & A Road Services Inc.	\$ 12,211.20	2	\$ 24,422.40
Cosimo Cotroneo Haulage	\$ 13,177.92	2	\$ 26,355.84
Bluestar Construction Corp.	\$ 16,001.76	2	\$ 32,003.52
Triple J Contracting Inc.	\$ 15,910.32	2	\$ 31,820.64

Yonge Street, Thornhill

Suppliers	Price Per Occurrence	Estimated Occurrences	Extended Price (Per Year)
Rafat General Contractor	\$ 10,176.00	2	\$ 20,352.00
Cosimo Cotroneo Haulage	\$ 10,328.64	2	\$ 20,657.28
TBG Environmental Inc.	\$ 11,414.42	2	\$ 22,828.84
Multibobcat Services Ltd.	\$ 16,790.40	2	\$ 33,580.80
D & A Road Services Inc.	\$ 18,316.80	2	\$ 36,633.60
Triple J Contracting Inc.	\$ 22,662.66	2	\$ 45,325.33
Bluestar Construction Corp.	\$ 23,023.20	2	\$ 46,046.40

Cornell Park Avenue

Suppliers	Price Per Occurrence	Estimated Occurrences	Extended Price (Per Year)
TBG Environmental Inc.	\$ 1,169.65	2	\$ 2,339.30
Wilson Contracting Limited	\$ 2,544.00	2	\$ 5,088.00
Rafat General Contractor Inc.	\$ 3,052.80	2	\$ 6,105.60
Triple J Contracting Inc.	\$ 6,003.84	2	\$ 12,007.68
Bluestar Construction Corp.	\$ 6,929.86	2	\$ 13,859.71
D & A Road Services Inc.	\$ 10,176.00	2	\$ 20,352.00

DETAILED PRICING INFORMATION (INCLUSIVE OF HST)...Continued**Greensborough Park Circle**

Suppliers	Price Per Occurrence	Estimated Occurrences	Extended Price (Per Year)
TBG Environmental Inc.	\$ 1,195.90	2	\$ 2,391.80
Rafat General Contractor Inc.	\$ 3,052.80	2	\$ 6,105.60
Triple J Contracting Inc.	\$ 6,003.84	2	\$ 12,007.68
Bluestar Construction Corp.	\$ 6,929.86	2	\$ 13,859.71
D & A Road Services Inc.	\$ 10,176.00	2	\$ 20,352.00

SUMMARY

Location	Suppliers	Price Per Occurrence	Estimated Occurrences	Extended Price (Per Year)
Markham Centre	Rafat General Contractor Inc.	\$ 4,579.20	5	\$ 22,896.00
Markham Main Street	Cosimo Cotroneo Haulage Inc.	\$ 8,944.70	2	\$ 17,889.40
Main Street Unionville	Rafat General Contractor Inc.	\$ 7,632.00	2	\$ 15,264.00
Yonge Street, Thornhill	Rafat General Contractor Inc.	\$ 10,176.00	2	\$ 20,352.00
Cornell Park Avenue	TBG Environmental Inc.	\$ 1,169.65	2	\$ 2,339.30
Greensborough Park Circle	TBG Environmental Inc.	\$ 1,195.90	2	\$ 2,391.80
Total				\$ 81,132.50

*Compared to the previous 2012 -2015 contract, the pricing received for all locations (except Markham Centre) are 0.1% Lower. Markham Centre location is new to this award.



STAFF AWARD REPORT

To:	Phoebe Fu, Director of Asset Management
Re:	235-Q-15 Curb Replacement and Asphalt Removal at Pan Am Centre
Date:	October 14, 2015
Prepared by:	Max Stanford, Project Manager, Ext. 2710 Flora Chan, Senior Buyer, Ext. 3189

PURPOSE

To obtain approval to award the contract for curb replacement and asphalt removal at Markham Pan Am Centre.

RECOMMENDATION

Recommended Supplier	De Ferrari Construction Ltd. (Lowest Priced Supplier)	
Current budget available	\$ 72,611.76	500 101 5399 13856 (Pan Am – Post Works – Curbs)
Cost of award	\$ 66,010.69	Cost of award (inclusive of HST)
	\$ 6,600.07	10% contingency
	\$ 72,611.76	Total Award (inclusive of HST)
Budget Remaining after this award	\$ 0.00	

BACKGROUND

This individual project is part of the Post Works Expenditures Outside of the Construction Contract. Curbs and plantings were not installed and planting areas were temporarily paved over at the request of TO2015 so as to have a flat Games Village area for tents and trailers etc.

The first phase of this work is the removal of the asphalt in-fills and reconstruction of the curbs in the Pan Am parking lot after the Pan Am Games. The second phase is the construction of the planting beds and the plantings including trees within the reconstructed curbs and resulting islands. All work of this project is contained within the boundaries of the Markham Pan Am Site.

As per the Pan Am Project agreement and budgeted under the Expenditures Outside of the Construction Contract, an amount of \$185,000.00 was budgeted for the construction and restoration of the parking lot curbs and plantings. These costs are shared as per the Facility Agreement and the formula within this agreement. Balance of the budget is to be retained for Phase 2, the Plantings Portion of the work.

Schedule: Curb Construction is scheduled to be complete by November 6, 2015.

BID INFORMATION

Advertised	Invite Only*
Bid closed on	October 13, 2015
Number of Invited Suppliers	4
Number responding to bid	4

*All invited suppliers have completed City-related projects with satisfactory performance.

PRICE SUMMARY (Including HST)

Suppliers	Bid Price with HST Impact
De Ferrari Construction Ltd.	\$ 66,010.69
Dontex Construction Ltd.	\$ 77,998.02
Curb & Sidewalk Ltd.	\$ 80,042.38
Vaughan Environmental	\$ 82,747.16

ENVIRONMENTAL CONSIDERATIONS

Not applicable

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

To:	Andy Taylor, Chief Administrative Officer
Re:	189-S-15 Tennis Courts - Resurfacing/Rebuilding
Date:	September 9, 2015
Prepared by:	Rob Hincks, Operation, Supervisor, ext. 2486 Patti Malone, Senior Buyer, ext. 2239

PURPOSE

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

Resurface

Toogood – Courts # 1 – 2 (Qty 2)

Reesor (Markham Tennis Club) – Courts # 4 - 6 (Qty 3)

Rebuild

Carlton Park (Unionville Tennis Club) – Courts # 1 – 4 (Qty 4)

Box Grove Courts (Box Grove Tennis Club) – Courts # 1 – 2 (Qty 2)

RECOMMENDATION

Recommended Supplier	Court Contractors Ltd. (Preferred Supplier)	
Budget Available and Account #	\$ 436,900.00	059-6150-15215-005 Court Resurfacing/Reconstruction
Less: Deferred courts (Note 1)	\$ 130,139.40	
Net Budget Available	\$ 306,760.60	
Less cost of award	\$ 308,231.04	Cost of Award including HST Contingency (10%) including HST Total Award
	\$ 30,823.10	
	\$ 339,054.14	
Shortfall after this award (Note 2)	(\$ 32,293.54)	

Note 1: Based on a condition assessment, the budget amount of \$130,139.40 will be deferred for Carlton Park courts #8 and #9 (\$37,183.10), Highgate courts #1 to #3 (\$55,774.66), and Willowheights Park courts #1 and #2 (\$37,181.64)

Note 2: The shortfall of (\$32,293.54) will be funded from the budget of deferral courts, therefore the amount of \$97,845.86 (\$130,139.40 - \$32,293.54) will be returned to the original funding source.

Note: The unfavourable variance is due to the City requiring to undertake the following compared to budget approval:

Carlton Park (Unionville Tennis Club)

- Courts #1 & #2 were budgeted for resurface, however, based on a condition assessment the award is for a rebuild
- Courts #3 & #4 were not budgeted in 2015; however, based on a condition assessment they have been accelerated from 2016 to 2015

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

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

Staff tendered the court resurfacing/rebuild work on eight different occasions since 2004. On four of the eight competitive tenders (2004, 2005, 2006, and 2013), Court Contractors Ltd. was the lowest priced supplier by an average of 47% and the competitive bid process only yielded two (2) bids (one being Court Contractors Ltd submission). On the other four occasions (2007, 2008, 2009 and 2011) Court Contractors Ltd. was the sole bidder.

OPTIONS / DISCUSSIONS

Court Contractors Ltd. is the only local representative who provides our specified applications of the California Products with the Plexibond Fiberglass System. Therefore, by issuing a bid to the market specifying this type of product will only yield one supplier.

An alternative to this process (which would yield more suppliers) is referred to as hot mix asphalt which is a middle layer of asphalt and is applied with a mechanical spreader. The cost is approximately 30% cheaper, however without the fiberglass layer it will crack sooner. Cracking is the most common and most damaging problem with asphalt tennis courts as cracks affect play and can become safety hazards

Staff Recommend 2016 Pilot Project:

Staff recommend that in 2016 a pilot project be undertaken to compare the longevity and performance of the current court rebuild/resurfacing process, compared to a less costly hot asphalt mix process. For comparative purposes, Berczy 2 courts will be done with the current process while Wismer Park 2 courts will be rebuilt using less expensive hot mix process. Additionally, private clubs will be contacted to determine their interest in participating in the pilot project to rebuild their courts with hot mix asphalt.

FINANCIAL CONSIDERATIONS

Table 1 - Tennis Clubs

Court Locations	Original Budget	Cost of Award	Contingency	Balance Remaining*
Carlton Park – Tennis #1 to #4 (Rebuild)	\$37,183.10	\$151,113.60	\$15,111.36	(\$129,041.86)
Reesor - Tennis #4 to #6 (Resurface)	\$139,436.64	\$42,332.16	\$4,233.22	\$92,871.26
Boxgrove - Tennis #1 & #2 (Rebuild)	\$92,957.76	\$84,460.80	\$8,446.08	\$50.88
Subtotal Tennis Clubs - A*	\$269,577.50	\$277,906.56	\$27,790.66	(\$36,119.71)

Table 2 - Public Court

Court Locations	Original Budget	Cost of Award	Contingency	Balance Remaining
Toogood - Tennis #1 & #2 (Resurface)	\$37,183.10	\$30,324.48	\$3,032.45	\$3,826.18
Subtotal Public (100% City funded) - B	\$37,183.10	\$30,324.48	\$3,032.45	\$3,826.18

Table 3 - Total Award

	Original Budget	Cost of Award	Contingency	Shortfall
Tennis Clubs - A	\$269,577.50	\$277,906.56	\$27,790.66	(\$36,119.71)
Public Court - B	\$37,183.10	\$30,324.48	\$3,032.45	\$3,826.18
Total	\$306,760.61	\$308,231.04	\$30,823.10	(\$32,293.54)

ENVIRONMENTAL CONSIDERATIONS

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

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

To:	Andy Taylor, Chief Administrative Officer
Re:	091-T-15 Sidewalk & Street Lighting Program on Local and Regional Roads
Date:	September 28, 2015
Prepared by:	Dereje Tafesse, Capital Works Engineer Ext. 2034 Tony Casale, Sr. Construction Buyer, Ext. 3190

PURPOSE

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

RECOMMENDATION

Recommended Supplier	Aqua Tech Solutions Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 1,261,721.00	Various Sidewalk Accounts- See Financial considerations 083-6150-14054-005 Illumination Program Total Budget
	\$ 429,578.00	
	\$ 1,691,299.00	
Less Cost of Award	\$ 938,382.89	Sidewalk Construction (Incl. of HST) Illumination Construction (Incl. of HST) Contingency @ 8% Total (Inclusive of HST)
	\$ 334,728.53	
	\$ 101,848.91	
	\$ 1,374,960.33	Engineering Fee Internal Construction Administration Fee @ 6% Total Cost of Award
	\$ 155,389.83	
	\$ 82,497.62	
	\$ 1,612,847.78	
Budget Remaining after this award	\$ 78,451.22	*(1,691,299.00 - 1,612,847.78)

* The budget remaining of \$78,451.22 for Sidewalks will be returned to the original funding source.

BACKGROUND

The Engineering department administers sidewalk and illumination construction with funding from the Development Charges (DC) program. These funds are used to provide sidewalks along regional roads and on local collector roads. Staff developed a five year sidewalk and illumination capital program to schedule the design, approval and construction in a timely manner. This award is part of the sidewalk & illumination program and includes the following areas:

Sidewalk

1. 14th Avenue (Canfield Rd. to Markham Rd.)
2. Birchmount Rd. (Micro Court to 14th Avenue)
3. Doncaster Avenue (Yonge St. to Henderson Ave.)
4. 16th Avenue (West of Kennedy Road)
5. Minthorn Drive (Leslie St. to Commerce Valley Dr.)
6. Riviera Drive (Woodbine Ave. to Rodick Rd.)
7. Piera Gardens (Castan Road to South Unionville Avenue)

Sidewalk & Illumination

- 14th Avenue (Birchmount Rd. to McDowell Gate)
- Elgin Mills Road (Hwy 404 to Woodbine Ave.)

The project is expected to commence in September 2015 and be substantially completed by December 2015. Through this award approximately 4.0 km of sidewalk and 15 street lights will be constructed.

BID INFORMATION

Advertised	ETN
Bid closed on	August 18, 2015
Number picking up document	11
Number responding to bid	4

PRICE SUMMARY

Suppliers	Bid Price (Inclusive of HST)	Revised Bid Price*
Aqua Tech Solutions Inc.	\$ 1,435,076.61	\$1,273,110.91
Rafat General Contractors	\$ 1,449,900.65	\$1,294,670.86
Vaughan Paving	\$ 1,466,567.16	\$1,300,108.15
Aloia Bros.	\$ 1,778,157.29	\$1,579,440.87

* The award is based on the revised Bid price which represents the removal of the provisional item from the tender due to lack of sidewalk funding.

FINANCIAL CONSIDERATIONS

Project Description	Account#	Original Budget	Budget Available	Amount allocated to project	Budget Remaining
Sidewalk Requests (in fill Sidewalk program)	83-6150-7752-005	\$2,381,945	\$15,162	\$15,162	\$0
Sidewalk Requests (in fill Sidewalk program)	83-5350-8339-005	\$379,926	\$6,431	\$6,431	\$0
Sidewalk Requests	83-5350-9302-005	\$1,555,722	\$22,402	\$22,402	\$0
Sidewalk Requests	83-5350-10057-005	\$1,534,793	\$166,118	\$166,118	\$0
Sidewalk Program-Other	83-5350-11054-005	\$211,200	\$133,871	\$133,871	\$0
Sidewalk Program	83-5350-11055-005	\$2,153,800	\$20,836	\$20,836	\$0
Sidewalk Program	83-5350-12051-005	\$2,032,600	\$621,836	\$621,836	\$0
Sidewalk Program	83-6150-14030-005	\$651,990	\$275,065	\$196,614	\$78,451
Total Sidewalk sub-total		\$10,901,976	\$1,261,721	\$1,183,270	\$78,451
Illumination Program	83-6150-14054-005	\$1,145,600	\$429,578	\$429,578	\$0
Total Award		\$12,047,576	\$1,691,299	\$1,612,848	\$78,451

*The budget remaining of \$78,451 for Sidewalks will be returned to the original funding source.

Note: For ease of administration, all sidewalk accounts will be consolidated into project #14030 so the purchase order can be created to only reference one account.

ENVIRONMENTAL CONSIDERATIONS

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

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

To:	Jim Baird, Commissioner Development Services
Re:	218-T-15 Box Grove Hill East Parkette (66 Bernbridge Rd.) – Construction
Date:	October 27, 2015
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 Box Grove Hill East Parkette (66 Bernbridge Rd.).

RECOMMENDATION

Recommended Supplier	Landtar Construction Inc. (Lowest Priced Supplier)	
Current budget available	\$ 260,733.00	081-5350-15001-005 Box Grove Hill East Parkette – Design & Construction
Less cost of award	\$ 193,404.04	Construction
	\$ 30,538.00	Allowance *
	\$ 15,200.00	Contingency
	\$ 239,142.04	Total (Inclusive of HST)
	\$ 21,522.78	Internal Management Fee @ 9%
	\$ 260,664.82	Total Cost of Award (Inclusive of HST)
Budget Remaining after this award	\$ 68.18	**

* As part of the negotiation, staff were able to eliminate the shade structure from the base construction award. Staff believe value engineering of the shade structure during construction can be achieved for an upset limit fee of \$30,538 (inclusive of HST).

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

BACKGROUND

Box Grove Hill East Parkette – Construction is located 66 Bernbridge Road, located west of Bernbridge Road and east of the intersection with the south leg of Turnhouse Crescent, with the closet intersection at 14th Avenue and Donald Cousens Parkway.

The project involves the construction of landscaping works, which includes the following overview of project scope:

- Site protection/ tree protection barrier
- Erosion control
- Clearing and grubbing
- Demolition, removals
- Rough grading and excavation
- Concrete paving
- Asphalt paving
- Site furnishings
- Decorative boulders
- Playground equipment
- Sand playground safety surface
- Sub-surface drainage system c/w connection to existing CB
- Concrete playground border
- Shade Structure
- Fine grading and topsoil application
- Planting bed preparation
- Tree, shrub and ornamental grass planting
- Transplant street tree
- Sod restoration

The project is expected to be completed by June 2016 and the Operations Department has been consulted during the process.

BID INFORMATION

Advertised	ETN
Bid closed on	October 01,2015
Number picking up document	21
Number responding to bid	11

PRICE SUMMARY

Suppliers	Original Bid Price (Inclusive of HST)
Landtar Construction Inc.	\$ 242,757.64*
Norfield Construction Inc.	\$ 243,932.28
Melfer Construction Inc.	\$ 248,798.11
Hawkins Contracting Services Limited	\$ 251,450.64
TBG Environmental Inc.	\$ 258,390.78
MTM Landscaping Contractors Inc.	\$ 262,184.64
Garden Grove Landscaping Inc.	\$ 268,642.89
CSL Group Ltd.	\$ 299,925.80
Mopal Construction Limited	\$ 332,198.57
Euro Landscape Construction & Grounds Inc.	\$ 366,999.98
Rocky River Construction Limited	\$ 434,906.98

*In the event that Bid Prices submitted by the Suppliers exceed the City's budget, the City, in its sole discretion and as identified within the City's Terms and Conditions, has the option to either award a contract to the lowest priced supplier (over budget) or enter into contract negotiations with the lowest supplier.

Staff decided to undertake negotiations with the lowest supplier (Landtar Construction Inc.) and through these negotiations achieved a fee reduction in the amount of \$49,353.60 by eliminating the shade structure and by reducing cost from their original proposal (from \$242,757.64 to \$193,404.04) to come within budget.

Staff believe value engineering of the shade structure during construction can be achieved for an upset limit fee of \$30,538 (inclusive of HST).

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 locally harvested.

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

To:	Jim Baird, Commissioner, Development Services
Re:	224-T-15 Water, Sanitary and Storm Sewer Connections at Various Locations
Date:	October 5, 2015
Prepared by:	Eugene Chen, Capital Works Engineer, Ext. 2451 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)	NSJ Waterworx Group Ltd. (Lowest Priced Supplier - 14 locations) Vertical Horizons Contracting Inc. (Lowest Priced Supplier - 2 locations) VM DiMonte Construction Limited (Lowest Priced Supplier - 1 location)	
Less Cost of Award	\$ 228,102.78	Cost of award (Excl. of HST)*
	\$ <u>29,653.36</u>	HST (13%)
	\$ 257,756.14	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;

- 114 Woodward Ave. – Water, sanitary and storm sewer connections
- 7717 9th Line – storm sewer connection
- 79 Meadowview – Water connection
- 127 Woodward Ave - Water, sanitary and storm sewer connections
- 29 Thornlea Road – Water and sanitary sewer connections
- 72 Highland Park Blvd. - Water, sanitary and storm sewer connections
- 24 Parkway Ave. - Water, sanitary and storm sewer connections
- 250 Church Street - Water, sanitary and storm sewer connections
- 40 Morgan Ave. - Water, sanitary and storm sewer connections
- 81 Cachet Parkway - Water connection
- 38 George St. – Water and sanitary sewer connections
- 113 Highland Park Blvd. - Water, sanitary and storm sewer connections
- 11 Pinevale Rd. - Water connection
- 22 Emily Carr St. – Water and sanitary sewer connections
- 1 Trumpour Crt. - Sanitary sewer connection
- 140 Kreighoff Ave. - Water, sanitary and storm sewer connections
- 12 Miner Circle - Water, sanitary and storm sewer connections

BID INFORMATION

Advertised	ETN
Bids closed on	September 24, 2015
Number picking up bid documents	10
Number responding to bid	4

PRICE SUMMARY (Exclusive of HST)

	NSJ Waterworx Group Ltd.	Vertical Horizons Contracting Inc	V.M. DiMonte Construction Limited	FDM Contracting Co. Ltd.	Trisan Construction
Description	Bid Price (Excl. of taxes)	Bid Price (Excl. of taxes)	Bid Price (Excl. of taxes)	Bid Price (Excl. of taxes)	Bid Price (Excl. of taxes)
114 Woodward Ave (Water/Sanitary/Storm)	\$15,300.00	\$16,378.14	\$20,100.00	\$31,200.00	\$37,000.00
7717 9th Line (Storm)	\$ 9,300.00	\$ 9,923.32	\$12,100.00	\$50,000.00	\$16,500.00
79 Meadowview (Water)	\$ 5,400.00	\$ 8,778.78	\$ 7,100.00	\$ 5,900.00	\$13,500.00
127 Woodward Ave (Water/Sanitary/Storm)	\$17,200.00	\$22,679.89	\$25,600.00	\$ 28,950.00	\$35,500.00
29 Thornlea Road (Water / sanitary)	\$13,900.00	\$13,303.85	\$19,100.00	\$19,200.00	\$22,500.00
72 Highland Park Blvd. (Water/Sanitary/storm)	\$17,200.00	\$20,983.87	\$22,400.00	\$29,450.00	\$31,500.00
24 Parkway Ave. (Water/Sanitary/Storm)	\$19,700.00	\$23,956.20	\$21,900.00	\$90,000.00	\$37,500.00
250 Church Street (Water/Sanitary/Storm)	\$18,900.00	\$24,756.98	\$25,600.00	\$90,000.00	\$36,500.00
40 Morgan Ave. (Water/Sanitary/Storm)	\$17,700.00	\$24,703.31	\$21,900.00	\$32,450.00	\$28,500.00
81 Cachet Parkway (Water)	\$ 7,600.00	\$ 7,835.19	\$ 5,600.00	\$20,000.00	\$ 8,500.00
38 George St. (Water/Sanitary)	\$13,900.00	\$12,298.93	\$16,400.00	\$45,000.00	\$18,500.00
113 Highland Park Blvd. (Water/Sanitary/Storm)	\$17,200.00	\$30,195.58	\$23,400.00	\$29,950.00	\$27,500.00
11 Pinevale Rd. (Water)	\$ 4,900.00	\$ 8,720.71	\$ 8,600.00	\$ 5,700.00	\$ 8,500.00
22 Emily Carr St. (Water / Sanitary/Sewer)	\$14,400.00	\$19,489.16	\$21,100.00	\$45,000.00	\$20,500.00
1 Trumpour Crt. (Sanitary)	\$ 6,700.00	\$10,352.65	\$12,100.00	\$20,000.00	\$ 9,000.00
140 Kreighoff Ave. (Water/Sanitary/Storm)	\$16,400.00	\$24,179.72	\$21,400.00	\$80,000.00	\$27,600.00
12 Miner Circle (Water/Sanitary/Storm)	\$16,600.00	\$28,651.10	\$25,600.00	\$80,000.00	\$29,000.00

ENVIRONMENTAL CONSIDERATIONS

Not applicable