



Report to: General Committee

Report Date: November 1, 2011

SUBJECT: Staff Awarded Contracts for the Month of October 2011
PREPARED BY: Alex Moore, Ext. 4711

RECOMMENDATION:

1. THAT the report entitled "Staff Awarded Contracts for the Month of October 2011 be received;

And that Staff be authorized and directed to do all things necessary to give effect to this resolution

EXECUTIVE SUMMARY:

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 By-Law delegate's authority to staff to award contracts with a monthly information report required to be submitted to Council by the Treasurer for all contracts awarded by staff >\$50,000

PURPOSE:

To inform Council of contracts awarded by staff for the month of October 2011 as per Purchasing By-Law 2004-341 as listed below.

Community & Fire Services

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none">• 093-T-11 Markham Playground Renovations• 199-Q-11 Civic Centre Skating Rink Electrical Lighting System• 201-Q-11 Civic Centre Skating Rink Exterior Resilient Athletic Flooring• 048-T-11 Calvert Road Lift Station Improvement• 183-Q-11 Supply and Install Toilet Partitions at Angus Glenn CC
Preferred Supplier	<ul style="list-style-type: none">• 130-T-11 Repair and Replace Various Town Outdoor Courts• 177-S-11 Civic Centre Building Automation System Controller Upgrade – Phase 3• 204-S-11 Bullock Drive Watermain Replacement – Permanent Pavement Restoration

Corporate Services

Award Details	Description
Preferred Supplier	<ul style="list-style-type: none">• 202-S-11 Unionville Library 3-M Equipment Lifecycle (Phase 3 of 3)

Development Services

Award Details	Description
Lowest Priced Supplier	<ul style="list-style-type: none">• 171-Q-11 Installation and Upgrade of Water Service and Sanitary Sewer Connections at Various Locations• 129-T-11 Henderson Avenue Watermain Replacement from Clark Avenue to John Street• 186-Q-11 Woodbine North Relief Sewer• 196-T-11 Bayview Lane Park Rectifications

RECOMMENDED BY:

18/11/2011

11/16/2011

X

Joel Lustig
Treasurer

X

Nasir Kenea
Acting Commissioner, Corporate Services



STAFF AWARD REPORT

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To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	093-T-11 Markham Playground Renovations
Date:	September 27, 2011
Prepared by:	Rob Hincks, Supervisor Operations, ext. 2486 Patti Malone, Senior Buyer, ext. 2239

PURPOSE

To obtain approval to award the contract for the playground renovations at Berzy Park, Leitchcroft Park and Vanhorn Park.

RECOMMENDATION

Recommended Supplier	Mopal Construction Ltd. (Lowest Priced Supplier)	
Current Budget Available	\$ 205,929.00	059-6150-11266-005 Play Structure & Safety
Cost of award	\$ 137,784.00	Inclusive of HST
	\$ 20,667.60	15% Contingency Inclusive of HST
	\$ 158,451.60	Total Award
Budget Remaining after this award	\$ 47,477.40	

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

Note: The locations are determined during the spring inspections of the sites, Staff verified that John Canning Park and Benjamin Marr Park budgeted under project 11266 already had granite sand and did not require these renovations. However, during a site inspection at Leitchcroft Park playground surfacing it was discovered that Vanhorn Park did not have granite sand and therefore is recommended that this park be brought up to the new safety standard under this project.

2/3 of safety surfacing are completed with the remaining 1/3 being phased in to comply with CSA guidelines with completion expected by 2013.

BACKGROUND

The existing playground equipment at Berczy Park, Leitchcroft Park and Vanhorn Park were installed prior to the development of the CAN/CSA-Z614 "Children's Playspaces and Equipment" guidelines in 1998. An inspection this spring revealed several safety concerns and issues that were not in compliance with the Canadian Standards Association (CSA) CAN/CSA-Z614-07 "Children's Playspaces and Equipment".

The playground equipment will remain in place while the existing surface is removed and replaced with new granite sand surfacing at the three parks in order to become compliant with CSA-Z614-07. Staff will proceed with the work in Fall 2011, weather dependent, with any outstanding works completed in Spring 2012. Supplier will honour the prices in this award for the Spring 2012 season.

- The Berczy Park Playground site is located beside Glenbrook Drive. There is one playground pit with existing equipment, and brick sand safety surfacing enclosed by concrete curbs.
- The Leitchcroft Park Playground site is located beside South Park Road. There are two playground pits with existing equipment, and brick sand safety surfacing enclosed by concrete curbs.
- The Vanhorn Park Playground site is located beside South Park Road and Pond Drive. There is one circular playground pit with existing equipment, and brick sand safety surfacing enclosed by a concrete curb.

BID INFORMATION

Advertised	ETN
Bids closed on	August 3, 2011
Number picking up bid documents	15*
Number responding to bid	2

* Purchasing contacted bidders who downloaded the bid document however did not provide a submission. Three bidders had work load issues, one bidder did not meet the closing time and did not submit a bid, and one bidder did not think the scope of work was large enough for them.

PRICE SUMMARY

Suppliers	Price exclusive of HST
Mopal	\$137,783.04
Royalcrest Paving & Contracting Ltd.	\$148,925.76

Staff reviewed the option of cancelling the bid and retendering due to only two bids received, however due to the following reasons, Staff recommendation is to award the contract to the low bidder:

- Prices are favourable in comparison to budget.
- Prices are also favourable in comparison to similar work undertaken in 2008.
- To avoid additional staff costs and consultant fees.
- If cancelled then there would be a need to revise scope of work.



STAFF AWARD REPORT

To:	Mary Creighton, Acting Commissioner, Community & Fire Services
Re:	199-Q-11 Civic Centre Skating Rink Electrical Lighting System
Date:	November 16, 2011
Prepared by:	Glen Taylor, Senior Manager, Infrastructure and Special Projects, Ext. 3180 Tony Casale, Senior Construction Buyer, Ext. 3190

PURPOSE

To obtain approval to award the contract for the Markham Civic Centre Electrical Lighting System.

RECOMMENDATION

Recommended Supplier	Wayne Electric Co. Limited (Lowest Priced Supplier)	
Current budget available	\$ 106,848.00	070-5350-11444-005 – Civic Centre Ice Rink, Phase 2
Cost of award	\$ 75,200.64	Inclusive of HST
	\$ 7,520.06	Contingency @ 10%
	\$ 82,720.70	Total cost of award (inclusive of HST)
Budget Remaining after this award	\$ 24,127.30	*

*The remaining balance will be returned to the original funding source upon completion of the project.

BACKGROUND

On September 20, 2011 staff obtained Council approval to transfer funds from the Photovoltaic solar panel project at 8100 Warden Avenue to the Civic Centre Artificial Ice Rink Phase 2. The original design and general construction contract for the Civic Centre Ice Rink did not allow for lighting, site furnishings, rubber skate tiling, public address sound system etc. Included in the Council report, Staff requested that \$105,000 plus HST be assigned to electrical/lighting provide the following:

1. Two level LED lighting around the south and east perimeters of the Ice Rink
2. Two floodlighting assemblies
3. Conduits and power provisions for the sound system
4. Retrofit the existing pot lights in the canopy outside of the cafeteria to LED.

BID INFORMATION

Advertised	By Invitation
Bid closed on	October 6, 2011
Number picking up document	4
Number responding to bid	4

PRICE SUMMARY

Suppliers	Price (Inclusive of HST)
Wayne Electric Co. Limited	\$75,200.64
Nadalin Electric Co. (Ont.) Inc.	\$88,785.60
Kudlak-Baird (1982) Ltd.	\$90,006.72
Double 05 Electric Inc.	\$93,535.75



STAFF AWARD REPORT

To:	Brenda Librecz, Commissioner Community & Fire Services
Re:	201-Q-11 Civic Centre Skating Rink Exterior Resilient Athletic Flooring
Date:	October 06, 2011
Prepared by:	Glen Taylor , Senior Manager Infrastructure, Special Project, Ext. 3180 Rosemarie Patano, Senior Buyer, Purchasing Ext. 2990

PURPOSE

To obtain approval to award the contract for the Civic Centre Skating Rink Exterior Resilient Flooring.

RECOMMENDATION

Recommended Supplier	Sands Commercial Floor Coverings (Lowest Priced Supplier)	
Current Budget Available	(a)\$ 53,933.00	070-5350-11444-005 Civic Centre Artificial Rink Phase 2 (Budget allocated for this purchase)
Cost of award	(b)\$ 44,393.82 \$ 3,474.09 \$ <u>7,760.22</u> \$ 55,628.13	Supply and Install – Q4 2011 Removal to Set for Storage – Spring 2012 & 2013* Reset from Storage – Fall 2012 & 2013* Total Award (Inclusive of HST)
2011 Budget Remaining after this award	(c) \$ 9,539.18	**

* To be funded from the Operating account 504-211-5399 (Contracted Services) subject to Council approval of the 2012 & 2013 Operating Budgets

** The remaining balance will be returned to original funding source upon completion of the project (a-b) = c

BACKGROUND

In September 2009, Council approved funding for the Civic Centre Ice Rink through the Recreation Infrastructure Canada RInC program. In January the Town of Markham requested and received approval for an extension from the original deadline of March 31, 2011 to October 31, 2011. This was due to unforeseen construction issues and inclement weather. The project was substantially completed on July 7, 2011 and all deficiencies have been addressed by the General Contractor Dinardo C. Group.

The Town is now preparing for the upcoming inaugural ice skating season, with the identified requirement of approximately 5900 square feet of interlocking skate tile with reducer strip (winter use only) which will be installed in the new change room, run outside the canopy to the lower atrium doors and out to the edge of the skating rink. The product selected can withstand snow clearing and will be removed and stored when the rink is not in use.

BID INFORMATION

Advertised	By Invitation
Bids closed on	October 5, 2011
Number picking-up the bid	6
Number responding to bid	3

PRICE SUMMARY

Suppliers	Price, Inclusive of HST*
Sands Commercial Floor Coverings	\$55,628.13
Crooksville Interiors (Miss) Ltd.	\$85,753.15
Westpoint Construction Inc.	\$91,584.00

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

To:	Brenda Librecz, Commissioner, Community & Fire Services
Re:	048-T-11 Calvert Road Lift Station Improvement
Date:	October 11, 2011
Prepared by:	Henk Bouhuyzen, Instrumentation Engineer, ext. 2647 Anna Ruberto, Senior Buyer, ext. 2011

PURPOSE

To obtain approval to award the contract for improvements for the Calvert Road Lift Station.

Recommended Supplier	Wallwin Electric Services (Lowest priced supplier)	
Current budget available	\$ 281,000.00	053-6150-11367-005 (Calvert Road Lift Station)
Cost of award	\$ 185,105.51	Contingency (15%) Total award (Inclusive of HST impact)
	\$ 27,765.83	
	\$ 212,871.34	
Budget Remaining after this award	\$ 68,128.66	*

* The remaining budget will be used for contract administration, radio communication equipment, instrumentation purchase and HVAC system upgrade as budgeted for under this project.

BACKGROUND

Calvert Road Sanitary Lift Station was built in 1993; full service commenced in 1995. The station is located on the northwest corner of Macrill Road and Calvert Road and services an area bounded by 16th Avenue on the south, by Warden Avenue on the east, by Major Mackenzie Drive on the north, and partially by the hydro electrical power corridor (HEPC) on the West.

The station has been plagued with many alarm calls attributed to a combination of issues including the controller (PLC), pumps, float switches, etc. Each alarm call requires a site visit from an operator to investigate what the cause of the alarm is and if necessary take corrective action.

Cole Engineering was contracted in 2010 to assess the status of the control system (PLC), measuring devices (flow meters, level sensors, pressure sensors, etc) and the power distribution including motor starters. Based on this assessment, Cole Engineering recommended improvements to the measuring devices and devised a control strategy that minimizes the power requirements of the station.

Waterworks received the report and recommendations from Cole Engineering in July 2011 (appendix 1) and proceeded to tender the work required to implement the recommended modifications. These improvements will significantly improve the operation of the Calvert Road Lift Station and it is expected that operator service calls will be significantly reduced. There may be operational savings through reduced overtime, however, the amount is indeterminable at this point in time and will be monitored for potential budget reduction in future years. It will also enable Waterworks to remotely monitor this Lift Station and obtain a significantly improved data set regarding the operational statistics (Volumes pumped, Power consumption, Detailed alarm messages) for better informed decision making.

BID INFORMATION

Advertised	ETN (Electronic Tendering Network)
Bids closed on	September 21, 2011
Number picking up bid document	22
Number responding to bid	5

PRICING SUMMARY

Suppliers	Price inclusive of HST impact
Wallwin Electric Services	\$185,105.51
Flomation Engineering Technologies	\$220,928.59
ICA Systems	\$253,372.22
Quantech Electrical Contractors	\$290,524.80
R-Chad General Contracting	\$375,494.40

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

To:	Mary Creighton, Director Recreation Services
Re:	183-Q-11 Supply and Install Toilet Partitions at Angus Glen CC
Date:	October 11, 2011
Prepared by:	Bud O'Connor, Community Facility Supervisor, 905-477-8583 Rosemarie Patano, Senior Buyer, Ext. 2990

PURPOSE

To obtain approval to award the contract work for the supply and installation of toilet partitions at Angus Glen Community Centre.

RECOMMENDATION

Recommended Supplier	Inter-Co Inc. (Lowest Priced Supplier)	
Current Budget Available	\$ 55,600.00	See Financial Considerations
Cost of award	\$ 50,952.25	Inclusive of HST
Budget Remaining after this award	\$ 4,647.75	*

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

BACKGROUND

The Town of Markham solicited Bids for the supply, replacing/installing of phenolic toilet Partitions at the Angus Glen Community Centre for the following areas:

1) MAIN Washrooms 3 separate locations, 3 male & 3 female;

- (Qty = 6) Wheel Chair Accessible;
- (Qty = 11) Standard

2) Arena dressing rooms 12 in total;

- (Qty= 10) based on 40" openings
- (Qty= 2) with 1 wheel chair accessible and 1 standard toilet partition

3) Pool Family Change Room

- (Qty =10) Individual entrances based on 40" opening
- (Qty =3) Individual toilet partitions based on 40"

4) Pool Male change Room

- (Qty=1) Individual stall
- (Qty=1) Toilet partition based on 40" opening
- (Qty=1) Wheel Chair Accessible
- (Qty=1) Standard Toilet partitions

5) Pool Female Change Room

- (Qty=1) Individual stall
- (Qty=1) Toilet partition based on 40" opening
- (Qty=1) Wheel Chair Accessible
- (Qty=2) Standard Toilet Partitions

The work involves the removal and disposal (recycle) of existing toilet partitions. The vendor is to supply, deliver and install toilet partitions in all areas identified with applicable floor, wall, and ceiling mounts, hinges, latches and coat hooks. Staff reviewed the bid documents and are satisfied that these units meet and comply with the Town's requirements.

BID INFORMATION

Advertised	ETN
Bids closed on	October 03, 2011
Number picking up bid documents	8
Number responding to bid	7

PRICE SUMMARY (Inclusive of HST)

SUPPLIERS	PRICE
Inter-Co Inc.	\$50,952.25
Swish Maintenance	\$62,337.73
R-Chad General Contracting	\$64,108.80
Coliseum Recreation Inc.	\$71,130.24
MIR Construction Inc.	\$71,740.80
William Knell and Company Limited	\$76,702.62

FINANCIAL CONSIDERATIONS

[illegible]



STAFF AWARD REPORT

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To:	Andy Taylor, Chief Administrative Officer
Re:	130-T-11 Repair and Replace Various Town Outdoor Courts
Date:	September 8, 2011
Prepared by:	Rob Hincks, Operation, Supervisor, ext. 2486 Patti Malone, Senior Buyer, ext. 2239

PURPOSE

To obtain approval to award the contract to replace four Armadale tennis courts, rebuild two German Mills tennis court and replace one Centennial Park basketball court.

RECOMMENDATION

Recommended Supplier	Court Contractors Ltd. (Preferred Supplier)	
Current Budget Available	\$ 260,100.00	059-6150-11257-005 Court Resurfacing/Recons
Cost of award	\$ 61,463.04	Town Portion
	\$ 55,560.96	Tennis Club Portion
	\$ 117,024.00	Total (see financial considerations)
Less cost of contingency	\$ 5,851.20	Town Portion
	\$ 5,851.20	Tennis Club Portion
	\$ 11,702.40	Total (10%)
Budget Remaining after this award	\$ 67,937.80	Town Portion*
	\$ 63,435.80	Tennis Club Portion*
	\$ 131,373.60	Total

* The remaining funds of \$67,937.76 to be returned to original funding source. Remaining \$63,435.84 will not be required and will therefore not be collected from private tennis courts.

BACKGROUND

Under the Town's approved Tennis Court Development and Maintenance Policy, where Tennis Clubs operate on Town owned courts, as is the case at German Mills and Armadale, the club is responsible for 50% of the re-surfacing cost, and the Town pays the other 50%. The courts are reviewed to determine eligibility for re-surfacing once every 5 years. Once staff received the request from these clubs, they inspected the courts and concurred with the club that the courts did require the works specified in this tender.

Staff will attempt to complete the work at one of the locations in Fall 2011, weather dependent, with the remaining works deferred to Spring 2012. Supplier will honour the prices in this award for the Spring 2012 season.

OPTIONS/DISCUSSIONS

Penetration lift courts are built in layers or lifts, starting with peagravel and working up to finer stone and then sand, with acrylic surfacer applied between lifts. The court is then covered in fiberglass cloth and acrylic surface, then coloured. The penetration lift courts will move and flex much more without cracking, and can be rolled to reduce heaving that may occur. Based on our previous experience when asphalt courts were installed, a typical asphalt/fiberglass court will only last 5 years before it must be torn up and rebuilt due to excessive heaving and cracking, at a similar cost to a penetration lift court. However, once a penetration lift court is built, it will last for approximately 7 to 9 years and then would require resurfacing. Resurfacing is approximately 2/3 the cost of rebuilding a court, which is far more economical and meets the needs of our partnering Tennis Clubs.

BID INFORMATION

Advertised	ETN
Bids closed on	August 3, 2011
Number picking up bid documents	20
Number responding to bid	1*

*One bid taker could only perform a portion of the work, 5 bid takers do not work with penetration asphalt and three bid just viewed the bid document.

The court base material called for in our specification is called penetration lift and it is the court material preferred by our partnering Tennis Club who use these facilities and pay 50% of the cost. Although this material can be used by any contractors, due to the limited market for this product, the time required to apply it and the messiness of the application, only one contractor applies it in our area. The alternative material for this application is hot mix asphalt, poured in place rubber and plexipave (fiberglass overlays) which is not preferred option of the tennis clubs.

PRICE SUMMARY (Inclusive of HST)

Supplier	Armadale Park, 4 tennis courts-resurface	Simonston – German Mills Park, 2 tennis courts-rebuild	Centennial Park, 1/2 basketball court-resurface	Total
Court Contractors Ltd.	\$38,261.76	\$72,860.16	\$5,902.08	\$117,024.00

Note: The total bid price represents a 5% increase from 2008 and 2009 bid prices from the same contractor for the same type of work.

FINANCIAL SUMMARY

Court Locations	Original Budget	Cost of Award	Contingency	Balance Remaining
<u>Tennis Clubs</u>				
Armadale Park – Tennis #1-4	\$166,464.00	\$38,261.76	\$3,826.18	\$124,376.06
German Mills - Tennis #3&4	\$83,232.00	\$72,860.16	\$7,876.22	\$2,495.62
Subtotal Tennis Clubs	\$249,696.00	\$111,121.92	\$11,702.40	\$126,871.68
Town's 50% contribution	\$124,848.00	\$55,560.96	\$5,851.20	\$63,435.84
Club's 50% contribution *	\$124,848.00	\$55,560.96	\$5,851.20	\$63,435.84
<u>Public</u>				
Centennial – half basketball ct	\$10,404.00	\$5,902.08		\$4,501.92
Subtotal Public	\$10,404.00	\$5,902.08	\$0.00	\$4,501.92
Grand Total	\$260,100.00	\$117,024.00	\$11,702.40	\$131,373.60
Total Town's portion	\$135,252.00	\$61,463.04	\$5,851.20	\$67,937.76

*Simonston (German Mills Tennis Club) and Armadale will fund 50% of the cost in accordance with the Town's approved tennis court development and maintenance policy. The Town will upfront the clubs portion which are to be paid back by the clubs to the Town over a 5 year period.



STAFF AWARD REPORT

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To:	Andy Taylor, Chief Administrative Officer
Re:	177-S-11 Civic Centre Building Automation System Controller Upgrade – Phase 3
Date:	September 14, 2011
Prepared by:	Brian Millar, Civic Centre Coordinator, Asset Management Patti Malone, Senior Buyer, Purchasing

PURPOSE

The purpose of this report is to obtain approval to award Phase 3 and final phase of the Civic Centre Building Automation System (BAS) Controller Upgrade.

RECOMMENDATION

Recommended Supplier	Johnson Controls (Preferred Supplier)	
Current Budget Available	\$ 109,003.31	750-101-5699-10245 Civic Centre Improvements – Annual Program (2010)
Cost of award	\$ 95,935.26	Inclusive of HST
Budget Remaining after this award	\$ 13,068.05	*

* The remaining balance to be applied for other Civic Centre Improvement projects..

Staff further recommends:

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

BACKGROUND

The Building Automation System (BAS) of the Civic Centre controls temperature, air flow, humidity and all other parameters to maintain a comfortable and healthy indoor environment in the Civic Centre. To keep up with changing technology, the BAS was planned to be upgraded in 3 phases. Phase 1 and 2 was duly approved and completed in past years (From 2006 to 2009) with this final phase (Phase 3) now part of 2010 lifecycle requirements and budget.

Johnson Controls is the supplier of the BAS since 1990 when the building was constructed and both phases of this upgrade have been performed by Johnson Controls. This final phase (Phase 3) will now complete the technological upgrade on this BAS system of the Civic Centre.

As a part of the work scope, Johnson Controls will replace the remaining old controller with new technology controllers. This will eliminate the current inconvenience of running the BAS on two platforms, reduce the chances of old controller failure (as replacement parts for old controllers are no longer available) and therefore, will provide more confidence in uninterrupted facility operation and occupant comfort.

The following items are to be replaced:

Digital System Controller (DSC-4)

- Panel FIC-1 AHU-8/9 will be replaced with a new NCE/FEC controller in its own enclosure.
- Panel FIC-2 C500G will be replaced with new FEC/IOM controllers in their own enclosure.
- There are 36 Variable Air Volume (VAV) units for which we will supply new Direct Digital Control (DDC controllers MS-VMA along with associated thermostats.

Digital System Controller (DSC-5)

Chiller and boiler status and control points have been removed from this quote as the chillers and boilers are being replaced with heat exchangers.

- Panel FIC-1 cooling will be replaced with a new NCE/FEC controller in its own enclosure. Existing valves and actuators will be used for which 3 electro-pneumatic transducers are included
- Panel FIC-2 heating will be replaced with a new NCE/FEC controller in its own enclosure. Existing valves and actuators will be used for which 6 electro-pneumatic transducers are included.
- Panel FIC-3 C500G will be replaced with new FEC/IOM controllers in their own enclosure.
- Panel FIC-4 C500G will be replaced with new FEC/IOM controllers in their own enclosure.

DISCUSSION

By sourcing this project with Johnson Controls, the Town will have no interruption to site operation and tenant comfort while providing the ability to operate a new technology compatible with the existing Johnson Control DSC.

Maintaining operational continuity during pre and post upgrade scenarios is highly critical and this cannot be achieved by using other product and/or service providers. Installation of a non-compatible system or a complete new system (i.e. Honeywell / Siemens) would generate the necessity of a complete control system change and would result in far greater costs than the proposed upgrade. Additionally, if Staff had to quote this project it would require an engineer consultant to update specification / drawings at an estimated cost of \$10,000.00 - \$15,000.00 to enable contractors to bid.

Prior to the award of Phase 2 and to ensure price competitiveness, staff received a price from the Town's current mechanical contractor for the building maintenance systems and at that time the Town's mechanical contractor was 14% higher than the proposed pricing from Johnson Controls. Also, Johnson Controls provides a 3 year warranty for the upgrading of this system as compared to 2 year warranty provided by the Town's mechanical contractor.

Additionally, Staff negotiated with Johnson Controls with the following result:

- Same 2008 itemized pricing
- Discount of 50% on all parts.
- 15% discount on labour.
- 3-year parts and labour warranty.



STAFF AWARD REPORT

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To:	Andy Taylor, Chief Administrative Officer
Re:	204-S-11 Bullock Drive Watermain Replacement – Permanent Pavement Restoration
Date:	October 4, 2011
Prepared by:	Prathapan Kumar, Acting Senior Manager, Asset Management, x2989 Morgan Jones, Manager, Operations, x2285 Patti Malone, Senior Buyer, x2239

PURPOSE

To obtain approval to award the permanent pavement restoration of watermain trench along Bullock Drive (from Loblaw's driveway to Hawkrig Avenue) and sewer trenches along Colonsay Road, Silver Aspen Drive, Royal Orchard Blvd. at Baythorn Drive and Weeping Willow Lane.

RECOMMENDATION

Recommended Supplier	Brennan Paving (Preferred Supplier)	
Current Budget Available	\$ 497,680.09	Various (See Financial Summary)
Cost of award	\$ 125,188.88	Inclusive of HST impact
Budget Remaining after this award	\$ 372,491.21	*

*The remaining balance in the amount of \$345,290.75 from the 2008 watermain construction & replacement account will be returned to the original funding source and \$27,200.46 from the 2009 watermain construction & replacement account will be used to fund the additional works carried out under Bullock Drive watermain replacement project.

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

BACKGROUND

In 2009 and 2010, existing watermain along Bullock Drive was replaced with a new 300mm diameter PVC watermain as part of the Waterworks Department's Watermain Improvement Program to systematically replace and upgrade deficient watermain to improve supply capacity and reliability. Also sanitary sewer network was upgraded in Thornhill area along Colonsay Road, Silver Aspen Drive, Royal Orchard Blvd and Weeping Willow Lane to improve the sewer capacity.

The original contract tendered in 2009 included for only temporary pavement restoration which is 1-2 metre trench width. The permanent pavement restoration was intended to be carried out after one year of this temporary restoration to allow for any trench settlement. As identified in 2009, the permanent pavement restoration was planned to be carried out through the Operations maintenance contract funded by Waterworks Capital account. This permanent restoration is approximately 3.5 meter width - one lane width.

OPTIONS/DISCUSSIONS

Staff recommends that these additional permanent restoration works be added to the existing Operations maintenance contract (annual road rehabilitation program).

Staff awarded tender 067-T-10 to the lowest priced bidder Brennan Paving & Construction Ltd. (Brennan) in 2010 for Town's annual road rehabilitation program for three years subject to council approval of the annual operating budget.

Included within tender 067-T-10 was itemized pricing for two components required to complete the permanent pavement preservation along Bullock Drive and locations identified in the purpose section of this report.

OPTIONS/DISCUSSIONS (Continued)

These two components are as follows:

1. Superpave Asphalt Overlay
2. Mill and Grinding of Asphalt

Both of these components represent the majority of the work under this contract and 85% of the cost of the award.

Comparing prices for these two components to similar contracts can be difficult since the annual road rehabilitation program quantities are so large and the Town leverages these volumes for favourable pricing. For example, Brennan's price for Superpave asphalt overlay is 62% lower and Mill and Grinding of Asphalt is 700% lower than the low bidder on the smaller pavement restoration contract however the quantity difference between both contracts is significant. (i.e. 6,200 tonnes/annual of Superpave asphalt overlay under annual road rehabilitation program whereas 200 tonnes/annual under Asphalt Maintenance contract plus 45,000 m²/annual of Milling and Grinding of Asphalt under annual road rehabilitation program whereas 2,300 m²/annual under Asphalt Maintenance contract).

Additionally, staff reviewed the following comparators:

1. Superpave asphalt overlay – Brennan's pricing awarded under 067-T-10 for this item only is 16% lower than the 2nd lowest priced bidder under the same tender. Also, when comparing our 2007 item prices received under the annual road rehabilitation program tender, this current price being utilized is between 1% - 11% lower today than the 2007 prices from three other bidders at that time. (Note: Brennan was low bidder on the 2007 tender).
2. Mill and Grinding of Asphalt - Brennan's pricing awarded under 067-T-10 for this item only is 30% lower than the 2nd lowest priced bidder under the same tender. Also, when comparing our 2007 item prices received under the annual road rehabilitation program tender, this current price being utilized is between 0% - 17% lower today than these 2007 prices from three other bidders. (Note: Brennan was low bidder in 2007).

FINANCIAL SUMMARY

Account Name	Account #	Budget Amount	Budget Available	Cost of the Award	Budget Remaining
2009 Watermain Const & Replacement - Bullock Drive	053-6150-9276-005	2,336,436.00	126,314.09	99,113.63	27,200.46
2008 Watermain Const & Replacement - : Thornhill**	050-6150-8435-005	1,516,241.00	371,366.00	26,075.25	345,290.75
Totals:		3,852,677.00	497,680.09	125,188.88	372,491.21

** The 2008 Watermain Construction & Replacement project had budgeted for phase 2 of Steeles Avenue East watermain replacement from Henderson Avenue to Bayview Avenue, which has been completed within the budget. Staff recommends the permanent pavement restoration of sanitary sewer trenches along Colonsay Road, Silver Aspen Drive, Royal Orchard Blvd. at Baythorn Drive and Weeping Willow Lane be funded from the surplus funds remaining in this account. Funding remaining after this award will be returned to original funding source.



STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	202-S-11 Unionville Library 3-M Equipment Lifecycle (Phase 3 of 3)
Date:	October 19, 2011
Prepared by:	Ken Karges, ITS Client Delivery, ext. 3673 Rosemarie Patano, Senior Buyer, ext. 2990

PURPOSE

To obtain approval to award a contract to 3M equipment for Unionville Library for two (2) RFID/Barcode enabled 7420 V3 Self Check units with corian tops, three (3) 946 RFID staff workstations and one (1) 803 RFID Digital Library Assistant unit.

RECOMMENDATION

Recommended Supplier	3M Canada Company (Preferred Supplier)	
Current Budget Available	\$ 111,900	Project # 11115 (Acct#049-6150-11115-005)
Cost of award	\$ 110,817	Inclusive of HST
Budget Remaining after this award	\$ 1,083	*

*Upon completion of the installation the remaining balance will be returned to the original funding source.

Staff further recommends:

THAT the tendering process be waived in accordance with Purchasing By-Law 2004-341, Part II, Section 7 Non Competitive Procurement, item 1 (a): "Where there is only one source of supply for the goods to be purchased."

BACKGROUND

It was decided in 2008 that the replacement of lifecycle items at 3 Library branches (Thornhill Community, Milliken Mills and Unionville) to take place in 2008 (which marked the end of the 7 year lifecycle) would be deferred and staggered over a 3 year period beginning in 2009. This extended the lifecycle of the equipment at Thornhill Community, Milliken Mills and Unionville Libraries by 1, 2 and 3 years respectively. This purchase will complete phase 3 of the 3 year staggered deployment cycle by addressing the Unionville Library equipment needs. Funding for this purchase was approved as part of the 2011 Capital Budget.

Self-check and Radio Frequency Identification (RFID) staff workstation units in use at Unionville are at the end of or beyond lifecycle limits, resulting in frequent breakdowns requiring service calls and down time. 3M Canada Co. has advised that this equipment will soon not be supported due to obsolete parts. The equipment was installed in 2001 and has exceeded its expected useful lifespan by 3 additional years.

In 2009, the Town issued a request for quotation on behalf of the Markham Library for the provision of equipment for phase 2 of the lifecycle replacement. Responses to this request confirmed that 3M Canada Co. was the only supplier able to comply with the Library's requirements. In April of 2010, a report to Council ("028-S-10 Purchase of Equipment for Thornhill and Milliken Mills Libraries") was received and authorization given to waive the tendering process and purchase equipment from 3M Canada Co. for phase 2 of the lifecycle replacement (Thornhill Community and Milliken Mills). The equipment required for the Unionville branch for phase 3 of the lifecycle replacement is similar to that purchased for Milliken Mills in phase 2.

Library staff has been using equipment from 3M Canada Co. as its standard for self check and material control systems since 2001. Some of the benefits of continuing to use 3M Canada Co. equipment include:

BACKGROUND (Continued)

Library staff has been using equipment from 3M Canada Co. as its standard for self check and material control systems since 2001. Some of the benefits of continuing to use 3M Canada Co. equipment include:

- Full compatibility with existing hardware and software, including the Library's Integrated Library System.
- Consistency in provision of service and familiarity with use of the same equipment at all locations for both customers and staff.
- Switching to a different vendor is cost prohibitive as existing RFID tags, tattle tape and equipment would all have to be replaced.
- 3M equipment has proven to be reliable and user-friendly. In the occasional event of breakdown, service response both with respect to response time and problem resolution has been excellent to date.

Purchase of this equipment will serve to maintain or enhance customer service levels.

In comparing 2010 purchases for similar products provided by 3M Canada, the 2011 pricing represents an 8% reduction, specifically on the digital library assistant handheld unit. All other pricing remains consistent and incorporates the previously negotiated cost savings with the 2010 contracts.

Lifecycle Replacement Capital Budget project # 11115 "MPL - 3M Equipment – Phase 3 of 3" has an approved budget of \$111,900 to replace old 3M equipment under the Lifecycle Replacement program. This project covers the replacement of two self check units, three staff check-in/check-out workstations and a digital library assistant handheld unit.

There will also be an annual operating budget impact for a 5 year service plan for this equipment upon the expiry of the one year warranty period. The \$8,589.25 annual amount will commence at the end of the 1 year warranty, which will be sometime in late 2012. This annual amount will be charged to account #400-404-5360 (ITS Computer Hardware).

Although Markham Public Libraries (MPL) has the option of going with either no plan or a 3 year plan, ITS recommends that the 5 year commitment be selected by MPL. This is consistent with existing 3M equipment throughout the branches which are also on the 5 year plan. As the equipment nears the 2nd half of its lifecycle, it is more prone to down time and repair related service calls. The service plan provides preventative maintenance such as cleaning and maintaining optimum settings, adhoc repair requests as well as a fast priority response service level guarantee (to not exceed 8 hours from the time of the call).

Further, the 5 year plan offers a 15% cost reduction per annum compared to a 1 year plan and a 5% cost reduction compared to a 3 year plan.



STAFF AWARD REPORT

Page 1 of 2

To:	Jim Baird, Commissioner, Development Services
Re:	171-Q-11 Installation and Upgrade of Water Service and Sanitary Sewer Connections at Various Locations
Date:	September 30, 2011
Prepared by:	Philip Allen, Engineering Technologist/ Inspector Ext. 3610 Tony Casale, Senior Buyer Ext. 3190

PURPOSE

To obtain approval to award the contract for the installation and upgrade of water service and sanitary sewer connections at various locations.

RECOMMENDATION

Recommended Suppliers	NSJ Waterworx Group Ltd. (Lowest Priced Supplier locations 1, 4-8, 10) FDM General Contracting Co. Ltd. (Lowest Priced Supplier locations 2-3) Finch Paving (1993) Inc. (Lowest Priced Supplier location 9)	
Current Budget Available	\$ 64,089.26	83-5350-8331-005 Service Connections Var.
Cost of award	\$ 85,783.68	Total award (Inclusive of HST)*
	\$ 8,578.37	Contingency @ 10% *
	\$ 94,362.05	Total Cost of Award (Inclusive of HST) *

*The award of a contract and issuance of a purchase order are dependent upon receipt of funds from the homeowners.

Note: Funding for water service and sanitary sewer connections is contingent on receipt of funds from homeowners. Funds received from homeowners will be deposited into account 890-890-9380 and the budget will be increased in account 083-5350-8331-005 in order to pay the contractors

BACKGROUND

The residents for the properties listed below have applied to the Town of Markham for the installation of new residential service connections and/or to upgrade their existing services as part of their new home construction;

1. 16 Ramona Blvd.
2. 47 Glenbourne Park Drive
3. 49 Glenbourne Park Drive
4. 19 Rayneswood Crescent
5. 43 East Drive
6. 72 Babcombe Drive
7. 15 Rouge Street
8. 58 German Mills Road
9. 19B Oakcrest Ave
10. 12 Euclid Street

BID INFORMATION

Advertised	By Invitation
Bids closed on	September 16, 2011
Number picking up bid documents	8
Number responding to bid	4*

*Two bidders advised that they did not submit due to current workload restraints.

PRICE SUMMARY

Locations	Total (Inclusive of HST)			
	Finch Paving (1993) Inc.	Hollingworth Construction Co.	NSJ Waterworx Group Ltd.	FDM Contracting Co. Ltd.
16 Ramona Blvd.	\$ 20,860.80	\$ 56,476.80	\$ 12,720.00	\$ 25,338.24
47 Glenbourne Park Drive	\$ 10,684.80	\$ 29,713.92	\$ 9,667.20	\$ 9,056.64
49 Glenbourne Park Drive	\$ 10,684.80	\$ 30,273.60	\$ 9,667.20	\$ 9,056.64
19 Rayneswood Crescent	\$ 5,088.00	\$ 10,293.02	\$ 2,849.28	\$ 2,951.04
43 East Drive	\$ 5,088.00	\$ 14,292.19	\$ 2,849.28	\$ 4,375.68
72 Babcombe Drive	\$ 5,088.00	\$ 10,888.32	\$ 2,849.28	\$ 2,951.04
15 Rouge Street	\$ 20,860.80	\$ 56,975.42	\$ 13,025.28	\$ 14,449.92
58 German Mills Road	\$ 5,088.00	\$ 9,855.46	\$ 3,052.80	\$ 3,164.74
19B Oakcrest Ave	\$ 13,228.40	\$ 39,177.60	\$ 15,060.48	\$ 15,264.00
12 Euclid Street	\$ 21,878.40	\$ 59,753.47	\$ 17,095.68	\$ 20,148.48



STAFF AWARD REPORT

Page 1 of 2

To:	Andy Taylor, Chief Administrative Officer
Re:	129-T-11 Henderson Avenue Watermain Replacement from Clark Avenue to John Street
Date:	November 16, 2011
Prepared by:	Daniel Chiu, Senior Capital Works Engineer, ext. 8120 Robert Slater, Senior Construction Buyer, Ext. 3189

PURPOSE

To obtain approval to award the construction contract for the Henderson Avenue Water main Replacement from Clark Avenue to John Street.

RECOMMENDATION:

Recommended Supplier	Pennorth Group Limited (Lowest Priced Supplier)	
Current budget available	\$ 1,145,000.00	053-6150-11390-005 Watermain Replacement for Henderson Ave. and Elgin Street
	\$ 503,977.00	Budget remaining from the Elgin St award (118-T-11)
	\$ 1,648,977.00	Budget available for award
Cost of award	\$ 647,728.04	Inclusive of HST
	\$ 97,159.21	Contingency @ 15%
	\$ 744,887.25	Total cost of award (inclusive of HST)
Budget Remaining after this award	\$ 904,089.75	*

*The 2011 Project Funding Request Form identified two watermain projects, Elgin Street and Henderson Avenue both of which are to share the approved budget. The remaining balance in the amount of \$904,089.75 will be returned to the original funding source.

The budget was estimated based on historical actual costs and falls within the range of bids received. The number of contractors (13) bidding reflects a competitive market which is driving the lower prices compared to budget.

BACKGROUND

The existing ductile iron watermain, located on the east side of Henderson Avenue between Clark Avenue and John Street are aging and need replacement in order to reduce disruption of services to area residents. They will be replaced with a new PVC watermain from Clark Avenue to John Street. The project is part of Waterworks Department's on-going Watermain Improvement Program to systematically replace and upgrade deficient watermain to improve supply capacity and reliability.

This project includes the following:

- Replacement of approx. 200 metres of existing ductile iron watermain with new 250mm dia.PVC pipe
- Replacement of approx. 500 metres of existing ductile iron watermain with new 150mm dia.PVC pipe
- Replacement of all existing services
- Replacement of all main line valves and chambers, hydrants and appurtenances

Also included as a part of the project, is the proposed sidewalk on the east side of Henderson Avenue, from Clark Avenue to John Street. The sidewalk request was initiated by the residents of St. Andres Crescent in 2009 and the work was included in the Engineering Department's sidewalk program for 2011.

BACKGROUND (Continued)

Subsequent to the finalization of the detailed design, a public meeting was held with the Ward Councillor, Engineering staff, Town Consultant (Valdor Engineering) and the residents fronting Henderson Avenue to review the details of the project. The residents were all in favour of the proposed watermain project but a majority of the residents who attended are not in support of the proposed sidewalk on Henderson Avenue. A signed petition was provided to the Town from the residents who are not in favour of the proposed sidewalk. Subsequent to the public meeting the Ward Councillor requested cancellation of the sidewalk installation.

The tender for the watermain and sidewalk was issued with the provision that the Town reserves the right to include or exclude the proposed sidewalk in the contract. This award report excludes the sidewalk portion of the contract. The sidewalk section of the contract (Section C) in the amount of \$162,728.79 will be removed from the scope of work.

BID INFORMATION

Advertised	ETN
Bid closed on	September 21st, 2011
Number picking up document	25
Number responding to bid	13

PRICE SUMMARY

Suppliers	Tendered Price for Watermain and Sidewalk (Inclusive of HST)	Award Price for Watermain works only (excluding Section C) (Inclusive of HST)
Pennorth Group Limited.	\$ 810,456.84	\$ 647,728.05
Lancorp Construction Co. Ltd.	\$ 854,329.08	\$ 666,367.17
Sam Rabito Construction Ltd.	\$ 863,167.81	\$ 719,405.35
Rabcon Contractors Ltd.	\$ 923,947.38	\$ 744,534.32
F.D.M. Contracting Co. Ltd.	\$ 963,859.43	\$ 783,489.83
Tectonic Infrastructure Inc.	\$ 1,001,052.51	\$ 778,770.43
STG Construction Ltd.	\$ 1,007,559.64	\$ 893,598.62
Trisan Construction	\$ 1,037,428.53	\$ 898,984.05
Finch Paving (1993) Inc.	\$ 1,039,856.57	\$ 898,054.52
CO-X-CO Construction Ltd.	\$ 1,111,734.04	\$ 910,844.54
DigIt Excavating Inc.	\$ 1,240,344.60	\$ 1,103,223.00
Midome Construction Services	\$ 1,396,800.66	\$ 1,208,946.61
Howlett Development and Construction Services Ltd.	\$ 1,578,536.37	\$ 1,367,201.20

The Town is recommending awarding the contract for Henderson Avenue Watermain Replacement from Clark Avenue to John Street with the removal of section 'C' (Sidewalk) of bid document 129-T-11.

The bids have been verified for accuracy and compliance with the Request for Tender terms and conditions. Purchasing has reviewed the references of the recommended proponent and is satisfied with the references provided.



STAFF AWARD REPORT

Page 1 of 2

To:	Alan Brown, Director Engineering, Development Services
Re:	186-Q-11 Woodbine North Relief Sewer
Date:	October 20, 2011
Prepared by:	Vivek Sharma, Senior Capital Works Engineer. Ext: 2032 Robert Slater, Senior Construction Buyer. Ext: 3189

PURPOSE

The purpose of this report is to obtain approval to award a contract for the design of the Woodbine North Relief Sewer.

RECOMMENDATION

Recommended Supplier	COLE Engineering (Lowest Priced Bidder)	
Current Budget Available	\$ 113,800.00	083-5350-11061-005 Woodbine North Relief Sewer
Cost of award	\$ 68,396.20	Design (Inclusive of HST)
	<u>\$ 10,259.43</u>	15% Contingency
	\$ 78,655.63	Total Cost of Award
	<u>\$ 9,438.68</u>	Internal Department Management fee (12%)
	\$ 88,094.31	Total Project Cost
Budget Remaining after this award	\$ 25,705.69	*

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

BACKGROUND

Regional Municipality of York's Trunk Sewer line runs along the Highway 404 up to south of Hillmount Road, extends to a manhole at the intersection of Markland Street and Whitford Road, runs south and connects to YDSS at the intersection of Woodbine Ave and Miller Ave. (MH #4). During the construction of Trunk Sewer Line, a 675 mm dia. stub with plug was designed and constructed by Regional Municipality of York at the MH # 4 at the intersection of Markland Street and Whitford Road.

The Town of Markham is responsible for the main local sewers that extend south along Woodbine Ave. There are segments in the area where the existing sanitary pipe capacity is exceeded. To overcome the problem of under capacity south of Hillmount Road, it is proposed to carry the discharge into the Trunk Sewer line to MH # 4 instead of taking it south along the Woodbine Ave and outfall at YDSS, thus resolving the issue of under capacity pipes.

Proposed sanitary sewer extension from the Willow Heights Blvd to Whitford Road would connect to the stub at MH # 4 at the Trunk Sewer Line to improve the capacity of local sewer system in order to alleviate sewer surcharge as an on-going effort to provide better quality of services to the residents. A Request for Quotation was issued for the Detailed Design of the Woodbine North Relief Sewer and the results of this RFQ are provided below:

BID INFORMATION

Advertised	By Invitation
Bids Closed on	October 5th, 2011
Number picking up bid documents	5
Number responding to bid	4

PRICE SUMMARY

Suppliers	Price
Cole Engineering Group Ltd.	\$68,396.20
Genivar Consultants LP	\$88,593.02
SCS Consultants	\$107,940.36
XCG Consultants	\$177,389.05

The bids have been verified for accuracy and compliance with the Request for Tender terms and conditions. Purchasing has reviewed the references of the recommended proponent and is satisfied with the references provided.



STAFF AWARD REPORT

To:	Jim Baird, Commissioner, Development Services
Re:	196-T-11 Bayview Lane Park Rectifications
Date:	November 16, 2011
Prepared by:	Linda Irvine, Manager, Parks and Open Space Development, Ext. 2120 Tony Casale, Senior Construction Buyer, Ext. 3190

PURPOSE

To obtain approval to award the contract for the Bayview Lane Park Rectifications.

RECOMMENDATION:

Recommended Supplier	Rutherford Contracting Ltd. (Lowest Priced Supplier)	
Current budget available	\$ 142,257.48	081-6150-11045-005 Bayview Lanes Deficiencies
Cost of award	\$ 129,458.84	Inclusive of testing allowance, provisional items and HST Contingency
	\$ 1,052.61	
	\$ 130,511.45	Total cost of award (inclusive of HST)
	\$ 11,746.03	Internal department management fee @ 9.0%
	\$ 142,257.48	
Budget Remaining after this award	\$ 0.00	Total project cost

BACKGROUND

This park site was redeveloped with the addition of the splash pad in June 2006. Since that time there have been various aspects of the park that both Parks Development and Operations have been interested in rectifying.

The scope of work involves repairs to the junior and senior play areas as follows:

1. Removal and disposal of existing rubber surfacing and sub-surfacing one meter width from existing curb.
2. Installation of new rubber cushion layer and wear layer at new edge and over existing rubber surface.
3. Electrical work related to controller of splash pad.
4. Independent certified testing agency to test playground rubber surfacing.

BID INFORMATION

Advertised	ETN
Bid closed on	October 14, 2011
Number picking up document	11
Number responding to bid	3*

*Of the bidders that picked up the bid document and did not submit a bid, three bidders advised that they could not provide the services required and one bidder advised they were unable to quote competitively.

PRICE SUMMARY

Suppliers	Price (Inclusive of HST)
Rutherford Contracting Ltd.	\$ 129,458.84
Hawkins Contracting Services Limited	\$ 143,024.70
MTM Landscaping Contractors Inc.	\$ 372,979.59