

Committee Members

Councillor S. Williams,
Chair
Councillor H. Noble
Councillor L. Severson
Mayor D.L. Henderson,
Ex-Officio

Areas of Responsibility

Operations
Community Services
Fire
Museum
Library Board
Cemetery Board
St. Lawrence Lodge
Mgmt.Board
L,L&G Health Unit

CRCA
Airport Board
Arena Advisory Board
Visual/Performing Arts
Committee
PLMG
BMAAC
Brockville Municipal
Non-Profit Housing
Committee

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CONSENT AGENDA

July 14, 2009

REPORT TO OPERATIONS COMMITTEE – JULY 22, 2009

2009-119-07

**PURCHASE OF JAWS OF LIFE
HYDRAULIC POWER UNIT & COUPLING SYSTEM**

**H. JONES
FIRE CHIEF
C. DWYRE
DEPUTY FIRE CHIEF**

RECOMMENDATION

THAT Council authorize the purchase of a new Hydraulic Power Unit for the “Jaws of Life” and the “Streamline Single Coupling System” for the aforementioned power unit from Code 4 Fire and Rescue; and

THAT \$10,050.00 of the cost to purchase a new Hydraulic Power Unit for the “Jaws of Life” be funded from the “Operational Fire Equipment Reserve Fund” and transferred from account R2010-959C-5223; and

THAT \$5,000.00 be funded from the Unspent Budget Items Reserve with the remaining amount of \$1,511.80 to be funded from G2130-2080-9750; and

THAT the expenditures be charged against account C2010-JAWS.

PURPOSE

To obtain approval to purchase a new Hydraulic Power Unit and Streamline Single Coupling System for the Jaws of Life.

BACKGROUND

As a result of the continuous changes and developments in automobile construction materials and design, it is necessary to regularly update the equipment necessary to perform vehicle extrication rescues.

The replacement of the hydraulic power unit is the final major component in a complete overhaul of the City’s Hurst – Jaws of Life Extrication equipment replacement program. When the replacement program began most equipment had been in service for about 20 years. Other components of the heavy hydraulic extrication equipment that have been replaced to date are – the “Spreaders”- 2005, the “Cutters” – 2006, and the “Hydraulic hose lines”- 2007-08.

The replacement of the “Hydraulic Power Unit” has been on the agenda, and recent failures during training and in the field of the existing eighteen year old power unit

necessitate this replacement purchase. The "Streamline Single Coupling System" is a recent development in this equipment and in conjunction with the power unit allows rescuers to operate three different tools simultaneously without any one tool affecting the operation of other tools.

ANALYSIS/OPTIONS

Brand name rescue system manufacturers do not build their equipment to be interchangeable with other brand name rescue systems. This, coupled with the fact that the City's powered hydraulic extrication equipment is from the Hurst Company, has eliminated the availability of alternate suppliers.

A price quotation has been received from the Mississauga based company Code 4 Fire and Rescue, which has been a reliable supplier of all of the City's "Jaws of Life" rescue equipment. Code 4 is the exclusive dealer of Hurst Rescue Systems and has been the provider of parts, service and training to this department for over thirty years.

POLICY IMPLICATIONS

Pursuant to Section 20 of the City of Brockville's Purchasing By-law (By-law #090-2005) this purchase would be deemed a sole source purchase due to the specifications of the equipment to be replaced.

FINANCIAL CONSIDERATIONS

Price of equipment:

"Hurst Triple Pump Power Unit" is	\$11,495.00
"Streamline Single Coupling System" is	\$3,840.00
PST	<u>1,226.80</u>
Total	<u>\$16,561.80</u>

Funding Sources:


Operational Fire Equipment Reserve Fund	\$10,050.00
Unspent Budget Items	5,000.00
2009 Operational Fire account	<u>1,511.80</u>
	<u>\$16,561.80</u>


There is currently a balance of \$10,051.00 in the Operational Fire Equipment Reserve Fund. This reserve fund is funded by revenue generated from responses onto the


Provincial Highways (primarily Jaws calls) received from the Ministry of Transportation. In addition there is \$5,000.00 remaining in the Unspent Budget Reserve from 2004. The shortfall of \$1,511.80 will be funded by the 2009 Operational Fire Equipment account.

CONCLUSION

It is recommended that Council authorize staff to purchase the new Hydraulic Power Unit and Streamline Single Coupling System for the Jaws of Life.


H. Jones
Fire Chief


B. Casselman
City Manager


C. Dwyre
Deputy Fire Chief


D. Cyr
Director of Finance

July 6, 2009

REPORT TO OPERATIONS COMMITTEE – JULY 22, 2009

2009-105-07

**WATER & WASTEWATER TREATMENT
QUARTERLY REPORT
(APR. – JUN. 2009)**

**CONAL COSGROVE, P. ENG.
DIRECTOR OF OPERATIONS
MELODIE HOBBS, C.E.T.
W & WW TREATMENT SUPERVISOR**

RECOMMENDED

THAT Report 2009-105-07 Water & Wastewater Treatment Quarterly Report (Apr. – Jun. 2009) be received for information purposes.

PURPOSE

This report covers the months of April, May and June 2009. The intent of the report is to keep the Committee, Council, and the public current with performance and major operational aspects of both the Water Treatment Plant/Trunk Distribution System and the Water Pollution Control Centre (wastewater treatment system), including any notable highlights, MOE Inspections and adverse conditions.

BACKGROUND

This report is submitted Quarterly, and this report represents the second quarter of 2009.

ANALYSIS/OPTIONS

A. WATER TREATMENT PLANT & TRUNK WATER DISTRIBUTION SYSTEM

The City continues to be in compliance with the Water Treatment Plant's Certificate of Approval (C of A), in addition to the Ontario Safe Drinking Water Act and Regulations. Please refer to Attachment A – Brockville Drinking Water System Performance Assessment Report to review the treatment and bacteriological sampling results.

Adverse Water Quality Incidents: There was one adverse water quality incident in the month of May. On May 19th, 2009 there was an adverse water quality incident related to test results from 1000 Islands Toyota and the Brockville WPCC. The Water Distribution crew flushed the water mains in the areas and re-sampling confirmed that no additional corrective action was required. Adverse water quality reports were filed with the Ministry of Health and Spills Action Centre.

Items of Note:1. Main Plant

- UV Reactors have been shutdown for the season.
- Zebra Mussel control system in service for the season.
- Algae event in May caused filter loading issues and increased backwashing. Operations Staff were scheduled after hours to backwash the filters.

2. Filters: Granular Activated Carbon (GAC) and sand filter media replacement completed.3. Elizabethtown-Kitley Distribution System:

- April 24th, 2009 Dan White from the MOE contacted the Water Treatment ORO to advise of a water main break at the trailer park on Oxford Avenue. Water Distribution was notified and isolated services in order for the contractor to repair the 2" service.
- MOE inspection was conducted by Dan White on June 10th and 11th, 2009.

4. Low Lift Pump Station:

- Annual intake inspection completed on May 20th, 2009.
- Video inspection of suction piping for pumps 1, 2, & 3 completed for CH2M Hill to determine interior pipe condition and check valve operation.
- Bell Canada performed testing of data lines from main plant to Low Lift.

5. Lead Sampling: Round #4 in Elizabethtown-Kitley was completed on June 26th, 2009. Round #4 in Brockville will commence in July.6. MOE Inspection: Dan White (DW Inspector – MOE) conducted the Annual Inspection for the City of Brockville's Drinking Water System (Water Treatment and Distribution) from Feb. 4th to Feb. 6th, 2009 and we received his report on April 20th, 2009. In addition, the City of Brockville's Drinking-Water System received another 100% Inspection Result**B. WASTEWATER TREATMENT PLANT**

Please refer to Attachment B – Brockville WPCC Sewage Plant Performance Assessment Report for all Operational Data for the Quarter. In regards to compliance of carbonaceous 5-day Biochemical Oxygen Demand (cBOD₅), as of the end of June the 12 month revolving average effluent characteristics (concentration and loading) for CBOD₅ are 43.68 mg/L and 846.21 kg/day respectively and remain out of compliance with the Certificate of Approval.

Items of Note:

1. Main Pumping Station:
 - Pump #2: A new pump, motor and VFD has been ordered – delivery expected in July. A detailed scope of work with contingency plan for total station shutdown has been completed by Contractor(s) and City.
 - Bypasses: No bypasses this quarter.
2. Centrifuges: Norterra Organics is no longer accepting our sludge cake due to C of A issues. WSI has resumed removing our sludge cake.
3. Land Application Program: Our land application program is on hold until the Heusser Farm C of A has been renewed. A letter has also been sent to the MOE regarding our E coli levels.
4. Digesters: A new safety valve was installed and Digester #1 was put back in operation on June 6th, 2009.
5. Power Outages:
 - On May 28th, 2009 there was a brief power outage at Chelsea Street Pumping Station. WPCC Staff responded with the portable generator and no problems occurred.
 - On June 22nd, 2009 there was a planned power outage at Riverview Pumping Station. WPCC were notified in advance of this outage.
 - On June 26th, 2009 there was a power outage at the WPCC and various pumping stations due to a heavy rain/high wind storm. No issues to report.
 - On June 29th, 2009 WPCC Staff were called to the WPCC for a plant power outage due to a structure fire east of the plant.
6. WPCC Outfall Inspection: Annual outfall inspection completed on May 20th, 2009.


POLICY IMPLICATIONS

No policy implications at this time.


FINANCIAL CONSIDERATIONS

No financial considerations at this time.

CONCLUSION



C.J. Cosgrove, P. Eng.
Director of Operations



M. J. Hobbs, C.E.T.
Supervisor, W & WW Treatment



D. Cyr
Director of Finance



B. Casselman
City Manager

ATTACHMENT A

BROCKVILLE DRINKING WATER SYSTEM
PERFORMANCE ASSESSMENT REPORT

		CITY OF BROCKVILLE				ELIZABETHTOWN-KITLEY				BACTERIOLOGICAL SAMPLING							
		Total Volume Treated (ML)	Avg. Daily Flow (ML/d)	Avg. F12 Residual (mg/L)	WDS Avg. FCR (mg/L)	Total Flow (ML)	Avg. Daily Flow (ML/d)	WDS Avg. FCR (mg/L)		BROCKVILLE WDS				EZK WDS			
Month	2009									EC	TC	HPC	EC	TC	HPC		
APR		347.75	11.6	0.45	1.14	5.17	0.17	1.05		44	44	29	12	12	8		
										44 out of 44 Safe	44 out of 44 Safe	29 Out of 29 Safe	12 out of 12 Safe	12 out of 12 Safe	8 out of 8 Safe		
MAY		357.66	11.5	0.53	1.07	5.87	0.19	0.90		48	48	32	12	12	8		
										48 out of 48 Safe	48 out of 48 Safe	32 out of 32 Safe	12 out of 12 Safe	12 out of 12 Safe	8 out of 8 Safe		
JUN		359.95	12.0	0.56	1.06	5.35	0.18	0.97		55	55	35	15	15	10		
										55 out of 55 Safe	55 out of 55 Safe	35 Out of 35 Safe	15 out of 15 Safe	15 out of 15 Safe	10 out of 10 Safe		

FCR - Free Chlorine Residual
WDS - Water Distribution System
EZK - Township of Elizabethtown-Kitley
EC - E. coli
TC - Total Coliform
HPC - Heterotrophic Plate Count
ML - Million Litres

July 9, 2009

REPORT TO OPERATIONS COMMITTEE – JULY 22, 2009

2009-110-07

**INTERIM COLLECTION OF SOLID WASTE
AND RECYCLABLES –
PRIVATE ROADS AND CONDOMINIUMS**

**C.J. COSGROVE, P.ENG.
DIRECTOR OF OPERATIONS
V.R. HARVEY
DIRECTOR OF PARKS & RECREATION**

RECOMMENDED

THAT the City commence collection of solid waste and recyclables for Country Club Place and Susanna Lane as part of the City's curbside collection program effective September 1, 2009, subject to the requirement that all garbage bags have a City bag tag on them; and

THAT this service be offered to the other single family units as identified in this report; and

THAT this service be considered an interim arrangement until such time as potential amendments to the policy concerning the collection of solid waste and recyclables from condominiums and private roads are considered and acted upon by City Council.

BACKGROUND

In January 2009, Council considered the Service Delivery Review for solid waste and recycling. As an alternative to a City-wide full user pay system, which would have extended service to condominiums and private roads, staff were directed to review and recommend amendments to the policy of excluding condominiums and private roads from the curbside collection program.

With the appointment of the Supervisor – Transit and Solid Waste as the Acting Director of Parks and Recreation, there have been no staff resources available to act on this directive from Council.

ANALYSIS

The residents of Country Club Place and Susanna Lane would like for this matter to be resolved as soon as possible. Note Attachment 1

Following discussions with staff, the respective residents associations have requested an interim arrangement whereby these developments would be included in the City's curbside collection program, subject to the requirement that all garbage bags have a City bag tag on them, until such time as Council has had the opportunity to consider and act upon recommendations from staff.

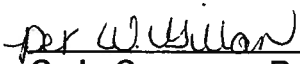
Given the delay in acting on the Council directive, this is considered as an appropriate interim arrangement. In the interests of fairness, it is recommended that the same arrangement be offered to all developments with Single Family Units identified below that are not eligible for curbside services due to their Site Plan Control Agreements.

	Number of Units
Millwood 1249, 1263, 1265, 1267, 1271	30
1293 Vista Drive Townhouses	5
Country Club Place Townhouses	54
Millwood Ave 1199, 1201, 1211, 1221, 1231	28
Millwood Ave 1241, 1281, 1291, 1299, 1301, 1311	in above
Earls Court (Park at Central) Housing Authority	49
1171 Millwood Ave	13
Millwood Ave 1199, 1201, 1211, 1221, 1231	28
Millwood Ave 1241, 1281, 1291, 1299, 1301, 1311	in above
Swiftwater Rd	5
Cliffside Cr.	5
Susanna Lane	12
TOTAL	229


The contractor responsible for the curbside collection program has indicated that they are able to include these residences in the program.


FINANCIAL CONSIDERATIONS

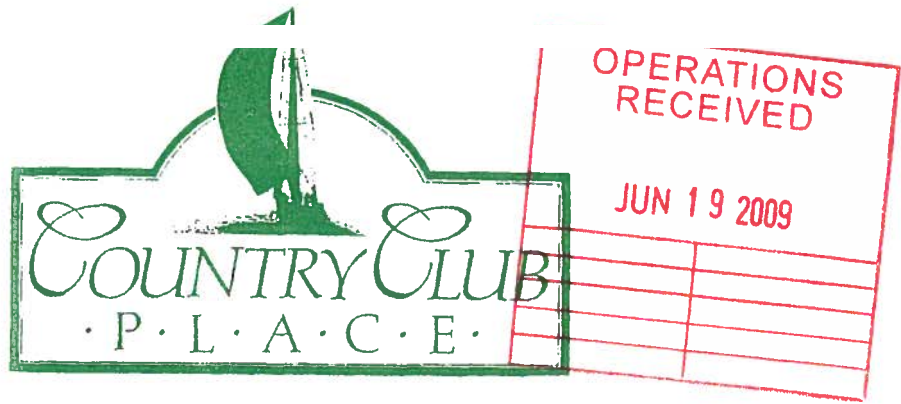
The revenue from the sale of bag tags is expected to cover the cost of solid waste and recycling collection and disposal, resulting in no net impact on the 2009 operating budget.


C. J. Cosgrove, P. Eng.
Director of Operations


D. Cyr
Director of Finance


B. Casselman
City Manager


V. Harvey
Acting Director of Parks & Recreation



9 Country Club Place
Brockville, ON, L6V 6T6

June 22nd, 2009

Mr Conal Cosgrove
Director of Operations
Victoria Building, 1 King Street West
P.O. Box 5000
Brockville, Ontario, K6V 7A5

Dear Sir:

Please refer to the meeting at City Hall on June 11th, 2009, with the city Manager, Mr Robert Casselman and you with the Waste Disposal Committee from Country Club Place.

As a result of the discussion, as an interim measure until the city's studies of waste disposal are complete, Country Club Place requests that the City of Brockville pick up all garbage bags with a City bag tag on them and the contents of our recycling boxes on a schedule that will be established. This service would come into effect on September 1st, 2009.

In addition, Country Club Place looks forward to discussing with your engineering staff the extent of the work and the costs to bring our roadway up to city standards.

On behalf of our committee I would like to thank you for your continued support to help us solve our solid waste disposal problem

Sincerely

A handwritten signature in black ink that reads 'Susan Vance Pryor'.

Susan Vance Pryor
President of Country Club Place

July 15, 2009

REPORT TO OPERATIONS COMMITTEE – July 22, 2009

**2009-112-07
BLOCKHOUSE ISLAND
CONCRETE BOLLARD
RESTORATION**

**VALERIE HARVEY, DIRECTOR
PARKS & RECREATION
PETER AMO, SUPRVISOR
PARKS/FACILITIES DIVISION**

RECOMMENDATION

THAT Council accept the tendered bid price from Century Building Restoration for the Concrete Bollard Restoration at Blockhouse Island in the amount of \$12,400, excluding GST; and

THAT the \$8,000 be expensed from Account Number C7011 PEMP 8871; and

THAT the shortfall of \$4,400 be funded from surplus monies from the 2009 capital budget projects which will allocated "Investing in Ontario Act" monies.

PURPOSE

Purchasing By-law requires Council authorization to proceed with the work, as lowest bid price exceeds the amount allocated in the 2009 Capital Budget.

BACKGROUND

On July 8, 2009 quotes for the Concrete Bollard Restoration at Blockhouse Island were opened with the following results:

<u>Bidder</u>	<u>Price</u> (excluding GST)
Century Building Restoration	\$12,400
Knapp's Paving & Landscaping Ltd.	13,030
Coneen Construction Ltd.	14,700
Gravel Doctor	16,000

ANALYSIS/OPTIONS

The Concrete Bollard Restoration Project involves the following scope of work:

- Removal of all broken concrete bollards
- Relocate existing concrete bollards as identified

- Straighten and level existing concrete bollards
- Supply, place and compact granular "A" around concrete bollards
- Place approximately 100 mm of topsoil to finished grade
(*grass seeding will be completed by Parks & Recreation*)
- Load and remove excess material from site
- All asphalt repairs
- Obtain all necessary locates

The work is to be completed during the period July 29 – August 14, 2009.

POLICY IMPLICATIONS

Council approval required as per Purchasing By-law.

FINANCIAL CONSIDERATIONS

Revenue in the amount of \$8,000 was allocated to the 2009 Capital Budget for this project. Accepting the low bid from Century Building Restoration in the amount of \$12,400 will create a deficit of \$4,400.

Funds in the amount of \$120,000 were allocated to the 2009 Capital Budget to increase transient docking slips in the harbour. Tenders for the construction of the dock came in at \$56,400 with estimates to complete the necessary hydro at \$22,300 for a total of \$78,700. A surplus of \$41,300 is estimated.

The estimated surplus for the dock construction will more than offset the over expenditure for this bollard restoration project.

CONCLUSION


The City should proceed with this project and perform the necessary repairs.




V. Harvey
Director of Parks & Recreation



D. Cyr
Director of Finance



P. Amo
Supervisor, Parks/Facilities



B. Casselman
City Manager

July 07, 2009

REPORT TO OPERATIONS COMMITTEE – JULY 22, 2009

**2009-116-07
CONTRACT NO. 2009-10A
RESTORATION OF THE RAILWAY
TUNNEL – NORTH PORTAL**

**C.J. COSGROVE, P.ENG.
DIRECTOR OF OPERATIONS
P.E. RAABE, P.ENG.
MUNICIPAL ENGINEER**

RECOMMENDED

THAT Council accept the tender from Northside Historical Masonry Inc. in the amount of Three Hundred and Thirty-Four Thousand, Four Hundred and Fifteen Dollars and Forty-Six Cents (\$334,415.46) excluding GST, plus a Thirty Thousand Dollar (\$30,000.00) contingency for Contract No. 2009-10A for the restoration of the railway tunnel's north portal; and

THAT that an additional \$150,172.42 be funded from surplus monies from 2009 capital budget projects which were allocated "Investing in Ontario Act" monies; and

THAT the funds be allocated from account C7011-RTNP.

PURPOSE

The purpose of this report is to award the tender for the restoration of the railway tunnel's north portal.

BACKGROUND

In 2006/2007 the City of Brockville retained the services of Genivar to complete an assessment of the north portal of the historic Railway Tunnel. The assessment concluded that the structure is in poor condition and requires attention in the near future. The two piers on either side of the entrance are shifting outward and the mortar is being washed out by ground water. The combination of lateral soil loads and the displacement of the piers have caused the portal arch to separate from the tunnel's brick lining and the mortar joints of the entire structure are in an advanced state of deterioration. Genivar's engineers are concerned that there is some risk that the structure could collapse and have recommended the City limit access to the site to qualified staff and professionals.

Genivar was then retained to prepare a report on the available options to rehabilitate the north portal and develop costs associated with each of the options. The report included five options varying from a status quo option to full restoration.

In 2008 Council decided on the full restoration option which would address all water management and infiltration issues as well as masonry deficiencies. The masonry work would include replacing broken stones, dismantling and resetting bulged or loose stones and replacement of joints with new mortar. The structure would be made safe for at

least 30 plus years. The estimated cost to complete this work was approximately \$250,000.00 including construction, engineering, and contingency.

On Monday, April 27, 2009 at 12:00 noon, tenders for Contract No. 2009-10 were opened with the following results:

1. Phoenix Restoration, Concord	\$188,169.20
2. Northside Historical Masonry Inc., Morrisburg	\$470,876.00
3. Meyknecht-Lischer Contractors Ltd., Carp	\$497,780.00
4. Empire Restoration Inc., New Hamburg	\$499,996.50
5. Colonial Building Restoration, Toronto	\$557,660.00

Engineer's Estimate (based on final design).....\$213,928.00

The low tenderer, Phoenix Restoration, withdrew their bid, citing an error in their submission. Since the remaining four bids were significantly higher than the engineer's estimate of \$213,928.00 it was decided to revise the scope of work, prepare a new tender document based on the revised work and have the previous five contractors who bid on the original tender submit a bid a second time.

The following results are based on the revised scope of work noted as Contract No. 2009-10A.

ANALYSIS/OPTIONS

Tenders for the restoration of the railway tunnel's north portal, Contract No. 2009-10A were opened at City Hall on Monday, July 06, 2009 at 12:00 noon. The following is a summary of the results:

1. Northside Historical Masonry Inc., Morrisburg	\$334,415.46
2. Phoenix Restoration, Concord	\$383,485.00
3. Empire Restoration Inc., New Hamburg	\$390,472.35
4. Meyknecht-Lischer Contractors Ltd., Carp	\$395,250.00
5. Colonial Building Restoration, Toronto	No Bid

Engineer's Estimate (based on revised final design).....\$223,000.00

The tenders have been checked and found to be in order.

Should Council decide not to award the work to Northside Historical Masonry, the following options are available for consideration.

Option #1 – Status Quo

This option is self explanatory. The tunnel would continue to deteriorate and most likely fail at some point in the future. The cost to fix it at that time would be quite significant and, if nothing was done, the municipality would lose a historical landmark. As well, failure of the tunnel could have an impact to Pearl Street and its underground utilities.

Option #2 – Backfill

The entrance to the tunnel could be buried. This option would still allow for future rehabilitation of the structure but it would still most likely continue to deteriorate and due to the fill, there would be no way to monitor its condition.

Option #3 – Water Management and Drainage Improvements

This option includes the reduction/elimination of water infiltration into the masonry from above and drainage improvements at ground level. This would also provide minimal structural stability of the retaining walls but would not address the existing condition of the mortar joints or displacement of the piers or walls.

Option #4 – Option #3 plus Masonry Stabilization

This option includes option 3 plus a comprehensive masonry stabilization of the piers and retaining walls through the installation of masonry ties. This work is a short term solution (5 years) and would require addition work in future years.

The following is a summary of the costs associated with each of the options:

1. Status Quo.....	No Direct Cost
2. Backfill	\$110,000.00
3. Water Management and Drainage.....	\$130,000.00
4. Option 3 Plus Emergency Stabilization.....	\$200,000.00

The above noted costs include construction, contingency, and engineering. Depending on the selected option, the next step for options 3 & 4 would be to retain the services of a consulting firm to complete the design and prepare the tender drawings and documents.

POLICY IMPLICATIONS

The City normally accepts the low tender provided the contractor is deemed capable and competent to undertake the work. Northside Historical Masonry Inc. has completed a number of similar type projects and has worked with Genivar on a number of projects in the past.

FINANCIAL CONSIDERATIONS

Project Funding

In the 2009 Capital Budget the restoration of the railway tunnel's north portal was budgeted at \$250,000 of which, approximately \$87,000.00 came from previous year's budgets. This total cost included construction, contingency, and engineering services.

Project Expenditures

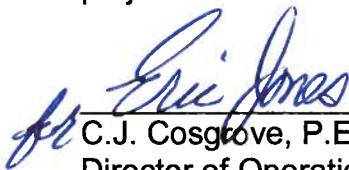
The project costs are summarized as follows:

DESCRIPTION		2009 CAPITAL BUDGET	ESTIMATED FINAL COST	DIFFERENCE
1.	Construction Cost	\$164,000.00	\$334,415.46	(\$170,415.46)
2.	Contingency	\$50,000.00	\$30,000.00	\$20,000.00
3.	Engineering (Design/Admin.)	\$35,000.00	\$35,000.00	\$0.00
4.	Advertising	\$1,000.00	\$756.96	\$243.04
TOTAL		\$250,000.00	\$400,172.42	(\$150,172.42)


As noted above, there are insufficient funds of approximately \$150,172.42 available in account C7011-RTNP to accommodate complete the work. In order to accommodate these costs it is proposed to use surpluses from other 2009 capital projects being funded by the Investing in Ontario Act program.

CONCLUSION

It is recommended that the tender for the restoration of the railway tunnel's north portal be awarded to Northside Historical Masonry Inc. and surpluses from other 2009 capital projects being funded by the Investing in Ontario Act program be used to fund the project.


C.J. Cosgrove, P.Eng.
Director of Operations


P.E. Raabe, P.Eng.
Municipal Engineer


D. Cyr
Director of Finance


B. Casselman
City Manager

July 9, 2009

REPORT TO OPERATIONS COMMITTEE – JULY 22, 2009

**2009-117-07
CAPITAL PROJECT STATUS REPORT
ENGINEERING DIVISION**

**C.J. COSGROVE, P.ENG.
DIRECTOR OF OPERATIONS
P.E. RAABE, P.ENG.
MUNICIPAL ENGINEER**

RECOMMENDED

THAT Report 2009-117-07, Capital Project Status Report – Engineering Division, be received for information purposes.

PURPOSE/ BACKGROUND

The purpose of this report is to provide Council and the public information on the status of capital projects being managed by the Engineering Division.

ANALYSIS/OPTIONS

The attached report is a brief update on the status of the capital projects currently being managed by Engineering staff.

POLICY IMPLICATIONS

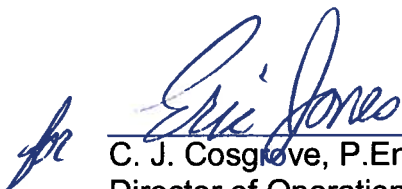
There are no direct policy implications from this report.

FINANCIAL CONSIDERATIONS


There are no direct financial implications from this report.

CONCLUSION

It is recommended that this report be received for information purposes.



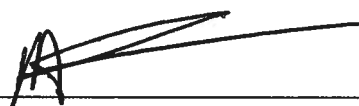
C. J. Cosgrove, P.Eng.
Director of Operations



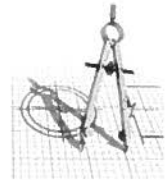
P. E. Raabe, P.Eng.
Municipal Engineer



D. Cyr
Director of Finance



B. Casselman
City Manager



**ENGINEERING DIVISION
STATUS REPORT**

July 09, 2009

ANNUAL PROJECTS

1. CRACK SEALING

R & N Maintenance of Guelph, Ontario was awarded the contract and completed the work the first week of June.

2. LINE PAINTING

Provincial Maintenance of Niagara Falls, Ontario was awarded the contract and completed the first application of paint the second week of June following the crack sealing project. The second application of paint is to be completed in September.

3. ASPHALT RESTORATION – WATER DISTRIBUTION ROAD CUTS

Coneen Construction of Brockville was awarded the contract for asphalt restoration of water distribution road cuts. The restoration work will be on-going throughout the summer until the asphalt plants close in the middle of November.

4. CONCRETE SIDEWALKS AND CURB/GUTTER

Keith Sherwood and Sons of Brockville were awarded the contract and are scheduled to complete the work by the middle of July prior to the asphalt milling contract.

5. MILLING

Roto-Mill Services Limited of Orangeville, Ontario was awarded the contract and is scheduled to complete the work in the middle of July prior to the hot mix paving contract.

6. HOT MIX PAVING

Tackaberry and Sons Construction of Athens, Ontario were awarded the contract and are scheduled to complete the work over a two week period at the end of July and into early August.

ROAD AND SEWER PROJECTS

1. KING STREET RECONSTRUCTION – PHASE 2 OF 2

Louis W. Bray Construction of St. Andrews West, Ontario was awarded the contract and is scheduled to start work the third week of July and be completed by the end of October. Genivar will be responsible for construction inspection and contract administration for the project.

2. KEEFER STREET RECONSTRUCTION

Ken Miller Excavating of Maitland, Ontario was awarded the contract and started work in early June and is scheduled to be completed by early September.

3. CALIFORNIA AVE./LAURIER BLVD. INTERSECTION IMPROVEMENTS

Engineering staff are in the process of completing the tender drawings and documents which are scheduled to be advertised in August. The work has been scheduled to be completed in October.

4. SEWER INFLOW AND INFILTRATION ANALYSIS (2007/2009)

Engineering staff are in the process of reviewing existing files and reports related to previous inflow and infiltration studies. Field reviews are expected to begin in August with work to continue into 2010.

5. ENERGY EFFICIENT STREET LIGHTING CONVERSION

Engineering staff are in the process of developing a request for proposal to replace the City's existing high pressure sodium street lights with an energy efficient alternative. It is anticipated that the RFP will be advertised by the end of July.

6. BRIDGE INSPECTION SERVICES/PEDESTRIAN BRIDGE AUDIT

Inspections of the City's structures are scheduled to be completed in August.

7. LANDFILL LEACHATE TREATMENT SYSTEM (2008)

Engineering staff recently met with representatives from Golder Associates to discuss a similar type project they recently completed for a municipality in the Ottawa Valley. Golder are in the process of preparing a proposal for the City's consideration.

8. TRANSPORTATION STUDY (2008)

The Transportation Study is being completed in conjunction with the City's Official Plan Study update.

9. CN RAILWAY CROSSING IMPROVEMENTS (2007)

All the work on the improvements to the level railway crossings was completed in 2007. Final approval of the invoices is pending further discussions with Transport Canada and CN.

10. STEWART BOULEVARD STORM SEWER (2007)

Engineering staff are in the process of preparing the necessary drawings and documents. It is anticipated that this work will be completed in October.

WATER DISTRIBUTION PROJECTS

1. BROCK STREET WATERMAIN RECONSTRUCTION

The tender was advertised the first week of July with construction to start in early September and be completed in early October.

2. FERGUSON DRIVE - PRV INSTALLATION

Engineering staff are in the process of preparing the necessary drawings and documents. It is anticipated that this work will be completed in October.

3. FEEDER MAIN CONDITION ASSESSMENT (2008)

Engineering staff in conjunction with water treatment and distribution staff are in the process of developing a plan to complete the condition assessment.

4. FEEDER MAIN VALVE REPLACEMENT (2008)

Work on this project is on-going and is expected to be completed in September in conjunction with the condition assessment.

5. DECHLORINATION STATIONS (2007)

Engineering staff are continuing their pursuit of finding a solution of reducing flows to the sanitary sewers and the treatment of treated water. The City has been short listed with the Ministry of Environment to participate in a pilot project for the testing of circulating pumps as an alternative to flushing. Engineering staff met with the MOE in June to discuss the project further and are awaiting the ministry's decision.

6. EXPANSION OF ZONE 3 (2007)

While expanding the zone after commissioning the new pumps at the First Avenue pumping station, there have been a number of technical issues that resulted in the zone being reduced back to its original size. Engineering staff are currently looking at ways to resolve the issues before the zone can be expanded to its proposed size.

WATER TREATMENT PLANT PROJECTS

1. ROOF REPAIRS

Dafoe Roofing of Belleville, Ontario was awarded the contract and is scheduled to complete the work by the end of August.

2. PUMP STUDY

CH2M Hill Consulting Engineers were retained to complete the pump study for the Water Treatment Plant and Parkedale Avenue reservoir. It is anticipated that a draft report will be completed within a few months.

3. STANDBY GENERATOR

Engineering staff recently issued a purchase order for the purchase of a new standby generator for the Water Treatment Plant. Cummins was the successful bidder. The generator is expected to be delivered by the end of July.

WATER POLLUTION CONTROL CENTRE PROJECTS

1. WPCC SECONDARY TREATMENT UPGRADE

Engineering staff are providing assistance when required.

2. PUMPING STATIONS ACCESS

Engineering staff are working closely with treatment staff to have the work completed by the end of September.

3. MAIN P.S.

Engineering staff have been working on the logistics of taking the main pumping station off-line and setting up a temporary by-pass pumping system and applicable appurtenances. This work is necessary so that a number of valves and pumps can be replaced as well as the completion of some over due maintenance work. Since the station can not be taken off line without by-passing to the river, engineering are in the process of developing a solution which will in the future allow the City to take the station off line without by-passing to the river. In addition, staff is also coordinating a condition assessment of the existing force which is being proposed to be completed simultaneously.

PARKS AND RECREATION PROJECTS

1. ST. LAWRENCE PARK PARKING LOT

Engineering staff recently oversaw the construction of a parking lot at St. Lawrence Park. The work was completed by early June.

2. RAILWAY TUNNEL – NORTH PORTAL (2008)

The tenders for the Railway Tunnel project were opened on April 27, 2009. Five (5) contractors submitted bids with the low tenderer withdrawing his bid. The remaining four bids were more than doubled the project's approved budget. As a result, Genivar Engineering was asked to revise the scope of work and re-tender the project. Tenders for the revised scope of work were opened on July 6, 2009 with Northside Historical Masonry having the lowest bid. A report to the Operations Committee and Council has been prepared and will be presented at the July 22 Operations Committee Meeting.

3. REYNOLDS PARK – WATER STREET PARK

Engineering staff are assisting in work being completed for the Risk Assessment Study and Record of Site Condition.

4. BUILDING MAINTENANCE

The contracts for roof repairs at the Memorial Centre, Arts Centre and Police Station were awarded to several different contractors. The roof at the Arts Centre was completed by the end of June with the exception of the metal flashing which is to be completed next week. Work on the Police Station roof started in early July and is scheduled to be completed by mid August. The repairs to the Memorial Centre roof have not yet been scheduled but are to be completed by the end of August.

MINOR CAPITAL PROJECTS

1. NEW TRAFFIC CONTROL CABINET

Engineering staff have requested quotations for the supply and installation of a new traffic controller.

2. TRAFFIC CAMERA

The traffic camera has been installed and was commissioned in early June.

3. HYDRO ONE – POLETRANS REMOVALS

Work on the pole transformers will be completed by Hydro One throughout the year.

MISCELLANEOUS PROJECTS

1. GIS SYSTEM (2008)

GIS software and services were purchased from Marmak Solutions of Toronto in 2008. Since then Engineering staff has been working closely with Marmak staff in developing a GIS system for the City. The document management portion of the system has been completed and is ready to be deployed. Work on water and sewer layers of the GIS system is on-going.

3. PSAB REQUIREMENTS (2008)

Engineering staff are participating along with other City Departments and the consultant in the development of an asset management program necessary to be compliant with PSAB.

Report prepared by,

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