

COMMITTEE OF THE WHOLE - JANUARY 12, 2010

APPROVAL TO ASSIST YORK REGION WITH THE WASTEWATER SYSTEM INFLOW & INFILTRATION REDUCTION PROGRAM

Recommendation

Commissioner of Engineering & Public Works, in consultation with the Director of Legal Services, the Director of Purchasing Services, and the Director of Finance, recommends:

1. The Mayor and Clerk be authorized to sign the Agreement with the Region of York to oversee this program and provide funding to the City;
2. That the sewer flushing services be performed by Triple "A" Industrial Inc. (the City's current contractor), in the amount of \$9,450.00 including GST., and the current Contract under Tender T07-057 be amended accordingly;
3. That the close circuit video (CCTV) inspections be performed by KLS Inspection Services (the City's current contractor), in the amount \$120,823.92 including GST and the current Contract under Tender T09-062 be amended accordingly; and,
4. That the smoke testing operation be performed by Sewer Technologies Inc. in the amount of \$11,291.70 including GST, as per the regional co-operative tender No. CT-09-09.

Contribution to Sustainability

This program has a direct impact on extending the life of the City's sewer system.

Economic Impact

There is no overall impact on the City's budget as a result of this work.

The Public Works Department has existing budget accounts for performing sanitary main inspections, flushing and cleaning, manhole inspections etc., and the expenditures for this program will come out of these existing accounts. Upon satisfactory completion of the work, the Region will reimburse the City for the invoiced amount to the upset limit of \$145,000.

The estimated value of this program is \$141,565.62, including all applicable taxes, and as was noted above, the Region will fund to an upset limit of \$145,000.00. As such, the overall impact to the 2010 Wastewater budget will be zero.

Communications Plan

This program will be advertised on the City web site, in the local newspapers, through door to door contact with the residents and door hangers. As was done previously when the City performed smoke testing in the Ward 4 area for flood related issues, the Fire and Police departments will be notified prior to the smoke testing taking place.

Purpose

The purpose of this report is to obtain Council approval for the Mayor and Clerk to sign the Agreement with York Region to allow the City to assist the Region with the Wastewater System

Inflow & Infiltration Program, which involves sewer flushing, CCTV inspection, and smoke testing services on local sewer systems. This work must be completed by March 31, 2010.

Background - Analysis and Options

Regional Council approved an inflow and infiltration program to examine critical sections of sanitary collection sewers owned by the area municipalities. Reducing inflow and infiltration into the sewer system will reduce overall treatment costs, and may provide additional allocation availability. Included in the Region's program is funding to finance the flushing, CCTV and smoke testing activities. The tendering and oversight of these activities is delegated to each municipality with the final inspection reports going to the Region. The Region has prepared an agreement for the City to sign which identifies the work and funding. This has been reviewed by Legal and Public Works staff, and the Region has made the necessary changes.

In order to do this work, the Public Works Department is recommending that the current sewer flushing and CCTV contractors be used to clean the sewers and digitally record their condition with close circuit video. This will require a change order to the existing contracts to perform the work to the Region's specifications. Both Triple "A" Industrial Inc. and KLS Inspection Services have agreed to do the required work accordingly.

The York Region Co-operative issued a tender in September 2009 to undertake the smoke testing of various sized sewer mains and associated laterals throughout various designated municipalities. As the City's Public Works Department does not have a designated contractor to perform the smoke testing, it is recommended that the City to take advantage of the Regional Cooperative contract, and have that contractor perform the City's portion of the work. The co-op contractor was awarded to Sewer Technologies Inc., and the estimated value of the work in Vaughan would be approximately \$11,291.70 including GST.

Should Council approve the recommendations, Public Works Department and Purchasing Department staff will prepare the necessary change orders to the existing contracts. Public Works staff will work with Purchasing to allow for the participation in the Regional Cooperative contract as well.

Below are the quantity details of the testing:

SMOKE TESTING OF VARIOUS SIZED SEWER MAINS AND ASSOCIATED LATERALS		
CONTRACTOR	WORK PERFORMED	ESTIMATED COST INCLUDING G.S.T.
KLS Inspection Services Stouffville	Estimated 12,233 meters of sewers will be video inspected, as well as 722 laterals and 260 manholes	\$120,823.92
Triple "A" Industrial Inc. King City	Estimated 90 hours of sewer flushing	\$9,450.00
Sewer Technologies Inc. Port Perry	Estimated 11.32 Km of sewer will be smoke tested.	\$11,291.70
Totals		\$141,565.62

The Region expects that all the work be completed by March 31, 2010, and invoicing be completed by May 31, 2010. Therefore, it is important that this project get underway as soon as possible.

Relationship to Vaughan Vision 2020/Strategic Plan

This report is consistent with the priorities previously set by Council, specifically:

Goal: Service Excellence
Objective: Enhancing and Ensuring Community Safety, Health and Wellness.

Goal: Management Excellence
Objective: Maintain Assets & Infrastructure Integrity

Regional Implications

The Region of York has approved a program to help identify sewer infiltration and inflow problems in local sewer systems, and provides funding to the local municipalities for this work. There is a mutual benefit for both the Region and the City by participating in this project and identifying these issues.

Conclusion

This program is funded by the Region and is a priority for the Region and the City. Staff from Public Work, Engineering and Legal Departments have reviewed the agreement and all requested changes have been made. There is also no overall impact to the budget as a result of this work. As such, it is requested that Council approve the recommendations to allow for the signing of the agreement with the Region, the change orders to existing contracts, and signing of an agreement with Sewer Technologies Inc., the lowest bidder in a co-operative tender, to perform the smoke testing.

Attachments

N/A

Report prepared by:

Robert Meek, C.E.T.
Manager of Environmental Technical Services

Tina Di Biase
Technical Co-ordinator

Respectfully submitted,

Bill Robinson, P. Eng.
Commissioner of Engineering and Public Works

Brian T. Anthony, CRS-S, C.Tech
Director of Public Works