

TO:	CHAIR AND MEMBERS BUILT AND NATURAL ENVIRONMENT COMMITTEE MEETING ON AUGUST 15, 2011
FROM:	RON STANDISH, P.ENG. DIRECTOR, WASTEWATER AND TREATMENT PLANNING, ENVIRONMENTAL AND ENGINEERING SERVICES
SUBJECT:	CONTRACT AWARD – TENDER NO. 11-67 2011 SANITARY SEWER IMPROVEMENT PROJECT – FITZWILLIAM BOULEVARD (ES2464, ES5424)

RECOMMENDATION

That, on the recommendation of the Director, Wastewater and Treatment, Planning, Environmental and Engineering Services, the following actions **BE TAKEN** with respect to the award of a contract for the construction of Fitzwilliam Boulevard Sanitary Sewer Improvement Project (ES2464, ES5424):

- (a) the bid submitted by TRI-CON Excavating Inc., 113-4023 Meadowbrook Drive, London, ON, N6L 1E7, at its tendered price of \$309,686.70 excluding H.S.T., for the construction of the Fitzwilliam Boulevard Sanitary Sewer Improvement Project, **BE ACCEPTED**; it being pointed out that the bid submitted by TRI-CON Excavating Inc. was the lowest of 6 bids received and meets the City's specifications and requirements in all areas;
- (b) minor future additional annual operating costs of \$400.00 **BE RECOGNIZED** as a result of this project noting that these costs are as a result of new infrastructure installation and will be considered and accommodated within future Wastewater & Treatment operating budgets;
- (c) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached hereto as Appendix "A";
- (d) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project; and
- (e) the approval given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract for the material to be supplied and the work to be done relating to this project (Tender 11-67); and
- (f) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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None

BACKGROUND

Purpose:

This report recommends award of tender to the low bid contractor for the construction of the Fitzwilliam Boulevard Sanitary Sewer Improvement Project. This work includes upsizing of an existing sanitary sewer and installation of new sanitary sewers, along with road replacement with new curb and gutters.

Discussion:

The Fitzwilliam Boulevard Sanitary Sewer Improvement Project is being undertaken to remove a hydraulic constraint (flow restriction) and increase capacity in the Fitzwilliam sewer system. Homes along the bottom of Fitzwilliam Boulevard have experienced basement flooding in the past due to sanitary sewer back up during storm events. The sanitary sewers in the area are susceptible to inflow and infiltration of storm water. Through investigation and analysis it was

determined that the risk of basement flooding can be reduced by increasing the capacity of the sewers and removing the hydraulic constraint. The construction program also includes the replacement of the asphalt around the Hunt Club Pumping Station and within the project area along Fitzwilliam Boulevard including part of the curb and gutter.

In conjunction with the construction of this project, the City is administering the Private Drain Connection (PDC) program which allows homeowners within the projects limits an opportunity to voluntarily replace their PDC's at a subsidized cost under the authority of City By-laws.

The scope of work generally involves the following:

- Upsizing 57m of sanitary sewer on Fitzwilliam Boulevard from 300mm to 450mm diameter.
- Twinning the 65m sanitary sewer along the access road to the Hunt Club Pumping Station
- Installing a new manhole at the intersection of the access road with Fitzwilliam Boulevard to separate the conflicting flows.
- Reconstruction of 57m of Fitzwilliam Boulevard including road structure and curb and gutter along the southerly portion.
- Reconstruction of the asphalt along the access road to the Hunt Club Pumping Station

This project has been surveyed, designed, and drafted by City Staff. All supervision and contract administration will also be conducted by City Staff.

The construction schedule identifies a tentative start date of August 30, 2011 and 25 working days to complete the project.

Tender Summary:

Tenders for the construction of the Fitzwilliam Boulevard Sanitary Sewer Improvement project were opened on July 20, 2011.

Six (6) contractors submitted tenders as follows (exclusive of H.S.T.):

	CONTRACTOR	TENDER PRICE SUBMITTED	CORRECTED TENDER PRICE
1.	TRI-CON Excavating	\$309,686.70	-
2.	Elgin Construction	\$329,378.96	-
3.	Omega Contractors	\$359,987.44	-
4.	J-AAR Excavating	\$414,132.00	-
5.	Bre-Ex Limited	\$438,346.58	-
6.	CH Excavating	\$476,781.25	-

All tenders have been checked by the Environmental and Engineering Services Department. None of the tender bids contained mathematical errors.

The tender estimate just prior to tender opening was \$334,241.00, including a contingency of \$30,000.00 (excluding H.S.T.).


Minor future additional annual operating costs of \$400.00 are recognized as a result of this project noting that these costs are attributed to new infrastructure installation and will be considered and accommodated within future Wastewater & Treatment operating budgets.

Recommendations:

It is recommended that TRI-CON Excavating Inc. be awarded the contract for the construction of the Fitzwilliam Boulevard Sanitary Sewer Improvements.

Acknowledgements:

This report was prepared within the Construction Administration Division by David Jackson, Engineer in Training.

SUBMITTED BY:	RECOMMENDED BY:
	
TOM COPELAND, P. ENG. DIVISION MANAGER WASTEWATER AND DRAINAGE ENGINEERING	RON STANDISH, P.ENG. DIRECTOR, WASTEWATER AND TREATMENT, PLANNING, ENVIRONMENTAL AND ENGINEERING SERVICES
REVIEWED & CONCURRED BY:	
	
PAT MCNALLY, P.ENG. EXECUTIVE DIRECTOR, PLANNING, ENVIRONMENTAL AND ENGINEERING SERVICES	

July 22, 2011
/dgj

Attach. Appendix "A" – Sources of Financing
Appendix "B" – Location Map

c.c. John Braam, P.Eng. City Engineer
Carolyn Malott, Administrative Services
TRI-CON Excavating Inc.

Y:\Shared\Wastew\WPDOCS\RPRT_ Built and Natural Environment Committee\ BNEC Fitzwilliam Blvd Tender Award

Chair and Members
 Built and Natural Environment Committee

July 29, 2011
 (Award Contract)

E: 2011 Sanitary Sewer Improvement Project - Fitzwilliam Boulevard
Capital Project ES2464 - 2010 Separation & CSO Program
Capital Project ES5424 - Roadway Improvements to PCP's
TRI-CON Excavating Inc. - \$309,686.70 (excluding H.S.T.)

FINANCE DEPARTMENT REPORT ON THE SOURCES OF FINANCING:

Finance Department confirms that the cost of this project can be accommodated within the financing available for it in the Capital Works Budget and that, subject to the adoption of the recommendations of the Director, Wastewater and Treatment, the detailed source of financing for this project is:

<u>ESTIMATED EXPENDITURES</u>	<u>Approved Budget</u>	<u>Committed to Date</u>	<u>This Submission</u>	<u>Balance for Future Work</u>
<u>ES2464-2010 Separation & CSO Program</u>				
Engineering	\$412,604	\$412,604		\$0
Construction	1,155,516		285,714	869,802
City Related Expenses	21,361	21,361		0
	<u>1,589,481</u>	<u>433,965</u>	<u>285,714</u>	<u>869,802</u>
<u>ES5424-Roadway Improvements to PCP's</u>				
Construction	392,951	105,134	29,423	258,394
City Related Expenses	9,049	8,674		375
	<u>402,000</u>	<u>113,808</u>	<u>29,423</u>	<u>258,769</u>
TOTAL ESTIMATED EXPENDITURES	<u>\$1,991,481</u>	<u>\$547,773</u>	<u>\$315,137</u>	<u>\$1,128,571</u>

SOURCE OF FINANCING:

<u>ES2464-2010 Separation & CSO Program</u>				
Debenture Quota	\$750,000			\$750,000
Drawdown from Sewage Works Reserve Fund	439,481	33,965	285,714	119,802
Federal Gas Tax	400,000	400,000		0
	<u>1,589,481</u>	<u>433,965</u>	<u>285,714</u>	<u>869,802</u>
<u>ES5424-Roadway Improvements to PCP's</u>				
Capital Sewer Rates	260,000		1,231	258,769
Drawdown from Sewage Works Reserve Fund	142,000	113,808	28,192	0
	<u>402,000</u>	<u>113,808</u>	<u>29,423</u>	<u>258,769</u>
TOTAL FINANCING	<u>\$1,991,481</u>	<u>\$547,773</u>	<u>\$315,137</u>	<u>\$1,128,571</u>

1) **Financial Note:**

	<u>ES2464</u>	<u>ES5424</u>	<u>Total</u>
Contract Price	\$280,773	\$28,914	\$309,687
Add: HST @13%	36,500	3,759	40,259
Total Contract Price Including Taxes	<u>317,273</u>	<u>32,673</u>	<u>349,946</u>
Less: HST Rebate	31,559	3,250	34,809
Contract Price	<u>\$285,714</u>	<u>\$29,423</u>	<u>\$315,137</u>

2) Minor future additional annual operating costs of \$400 are recognized as a result of this project noting that these costs are attributed to new infrastructure installation and will be considered and accommodated within future Wastewater & Treatment operating budgets.

JG



Alan Dunbar

Manager of Financial Planning & Policy

APPENDIX B

2011 SANITARY SEWER IMPROVEMENT PROJECT – FITZWILLIAM BOULEVARD SITE MAP

