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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MONDAY, SEPTEMBER 10, 2012
FROM:	JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENGINEERING AND CITY ENGINEER
SUBJECT:	SINGLE SOURCE SUPPLY AND INSTALLATION OF SCREEN ROOM INLET GATES & ASSOCIATED WORKS AT GREENWAY POLLUTION CONTROL CENTRE

RECOMMENDATION

That, on the recommendation of the Managing Director, Engineering and City Engineer, the following actions **BE TAKEN** with respect to awarding a contract to upgrade the screen room inlet gates at the Greenway Wastewater Treatment Plant (ES5084-12). This work will be done as a Single Source Contract under section 14.4(e) of the Procurement of Goods and Services Policy:

- a) the quote of \$529,222.05 excluding HST, as submitted by Gate Tech Industries Inc., 900 Riverbank Drive, Cambridge, Ontario, N3H 4R6 **BE ACCEPTED**
- b) the financing for this project **BE APPROVED** as set out in the Source of Financing Report attached hereto as Appendix "A";
- c) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts which are necessary in connection with this project; and
- d) the approval hereby **BE CONDITIONAL** upon the Corporation entering into a formal contract or issuing a purchase order relating to the subject matter of this approval.

BACKGROUND

Purchasing Process:

Approval for these purchases is requested in accordance with the Purchasing By-law, Section 14.4.

Purpose:

This report has been prepared to provide background information and secure council approval to award a contract to upgrade the aged and badly worn screen room inlet gates that were installed originally in 1962 as part of the Greenway Wastewater Treatment Plant Expansion. This project will require a contractor with the specialized skills, training and experience working in an unsanitary and challenging working environment in excess of eight meters below grade.

Context:

The original inlet screen room gates are still in service as installed and are used to isolate flows from the various wet wells and related equipment and are continually immersed in raw sewage. Three of these gates were installed as stop logs which are guided into place by steel channels extending from the top to the bottom of the structure. These guide channels are now rusting through and some are completely rotted in half. These gates are needed for operational flexibility in managing flows and for isolation purposes to enable maintenance activities to be performed within the individual wet wells.

Discussion:

Due to the state of the existing guide channels and the difficulty in placing and retrieving the stop logs, staff worked with RV Anderson and Associates on an option to replace the stop logs and channel guides with conventional sluice gates which can be controlled by an actuator and operated by one person. The work will be complicated by the fact that it will be performed below grade, potentially in the raw wastewater flows. As a result most of the work will be completed as a confined space entry. Performing the work below the main floor in a functioning inlet works will require specialized skills and training and Gate Tech Industries Inc. was identified as a contractor with considerable experience in this area; they specialize in doing confined space gate retrofits and have done several large projects in Ontario.

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Discussion:...cont'd

The quote submitted by Gate Tech Industries Inc. includes all parts and labour plus \$72,450 excluding HST, in contingencies and provisional items to cover any "unknowns" that may be encountered during the work. The quote as submitted should be viewed as an upper limit barring any major unplanned restorations or work. Gate Tech Industries Inc. has quoted a gate that can withstand the extreme service environment and is suitable for retrofit installations and one they have had previous success with.

Financial Impact:

Funding for these works is provided in the Capital Works Budget ES5084-12.

There are no anticipated additional operating costs in the Environmental and Engineering Services in 2012 and subsequent years associated with the approval of these works.

Conclusions:

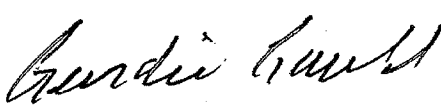


It is recommended that Gate Tech Industries Inc. be awarded the contract to upgrade three gates in the Greenway screen room as a Single Source contract under section 14.4 (e) of the Procurement of Goods and Services Policy.

14.4 (e) *"The required goods and/or services are to be supplied by a particular supplier(s) having special knowledge, skills, expertise or experience"*

Gate Tech Industries Inc. was the only contractor identified with the necessary experience, skills and expertise to complete this work in a safe, efficient and timely manner.

Acknowledgements:

This report was prepared by Perry Rose, Senior Engineering Technologist, Wastewater and Treatment Operations.

PREPARED BY:	RECOMMENDED BY:
	
GEORDIE GAULD DIVISION MANAGER, WASTEWATER AND TREATMENT OPERATIONS	JOHN BRAAM, P.ENG. MANAGING DIRECTOR, ENGINEERING AND CITY ENGINEER
REVIEWED & CONCURRED BY:	
	
MIKE TURNER DEPUTY CITY TREASURER	

August 24, 2012

PR/pr

Attach: Appendix "A" – Sources of Financing

c.c. John Braam
 Mike Turner

Chair and Members
Civic Works Committee

August 30, 2012
(Award Contract)

**RE: Single Source Supply and Installation of Screen Room Inlet Gates & Associated Works at Greenway Pollution Control Centre
Capital Project ES5084-12 - 2012 Replacement Equipment WWTP
Gate Tech Industries Inc. - \$529,222.05 (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 recommendation of the Managing Director, Engineering and City Engineer, the detailed source of financing for this project is:

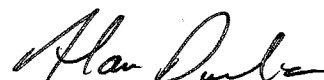
<u>ESTIMATED EXPENDITURES</u>	<u>Approved Budget</u>	<u>Committed To Date</u>	<u>This Submission</u>	<u>Balance For Future Work</u>
Engineering	\$130,637	\$91,356		\$39,281
Construction	540,000		538,536	1,464
City Related Expenses	14,243	13,604		639
Vehicles & Equipment	2,015,120	182,277		1,832,843
NET ESTIMATED EXPENDITURES	<u>\$2,700,000</u>	<u>\$287,237</u>	<u>\$538,536</u> 1)	<u>\$1,874,227</u>
<u>SUMMARY OF FINANCING:</u>				
Capital Sewer Rates	\$2,700,000	\$287,237	\$538,536	\$1,874,227
TOTAL FINANCING	<u>\$2,700,000</u>	<u>\$287,237</u>	<u>\$538,536</u>	<u>\$1,874,227</u>

1) **Financial Note:**

Contract Price	<u>529,222</u>
Add: HST @13%	<u>68,799</u>
Total Contract Price Including Taxes	<u>598,021</u>
Less: HST Rebate	<u>59,485</u>
Net Contract Price	<u><u>\$538,536</u></u>

2) There are no anticipated additional operating costs in the Environmental and Engineering Services budget in 2012 and subsequent years associated with the approval of these works.

JG



Alan Dunbar
Manager of Financial Planning & Policy