

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON MAY 29, 2012
FROM:	JOHN BRAAM, P. ENG. ACTING EXECUTIVE DIRECTOR AND CITY ENGINEER PLANNING, ENVIRONMENTAL AND ENGINEERING SERVICES
SUBJECT	APPOINTMENT OF CONSULTING SERVICES FOR POTTERSBURG CREEK SUBWATERSHED STUDY UPDATE

RECOMMENDATION

That, on the recommendation of the Acting Executive Director and City Engineer, Planning, Environmental and Engineering Services, the following actions **BE TAKEN** with respect to the appointment of a consultant for the Pottersburg Creek Subwatershed Study Update:

- a) AECOM 410-250 York Street, London Ontario N6A 6K2 **BE APPOINTED** Consulting Engineers for the Pottersburg Creek Subwatershed Study Update in the amount of \$285,881.00, excluding HST, in accordance with Section 15, Clause 15.2(d) of the Procurement of Goods and Services Policy;
- b) the financing for the project **BE APPROVED** in accordance with the "Sources of Financing Report" attached hereto as Appendix "A";
- c) the consulting fees for the project identified in (a), above, **BE IN ACCORDANCE** with the estimate, on file, which are based upon the Fee Guideline for Professional Engineering Services, 2006, recommended by the Ontario Society of Professional Engineers;
- d) the approvals given herein **BE CONDITIONAL** upon the Corporation entering into a formal contract with the consultant for the work; and
- e) 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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BNEC - July 25, 2011 - Pottersburg Creek Erosion Repair Works
 BNEC – July 18, 2011 – Climate Change Adaption Strategy, Phase 1 Completion
 BOC - February 10, 2010 - Contract Award, Tender No. 10-17
 Pottersburg Creek Remediation Phase 2 and Sanitary Sewer Replacement Project
 ETC - July 14, 2008 - Appointement of Consulting Engineer for Engineering Services related to the Pottersburg Creek Erosion and Remediation Phase 2 Project.
 BOC - October 29, 2003. - Stormwater Management and Drainage Projects ES-3062, Tender No. 03-76, Pottersburg Creek Storm/Drainage & Stormwater Management (SWM).
 ETC on April 29, 2003 - Municipal Class Environmental Assesment (EA) Schedule 'C'.
 Environmental Study Report Recommendation for the Pottersburg Creek-Storm/Drainage and Channel Remediation.

BACKGROUND

Purpose:
 To appoint the engineering consultant for Pottersburg Creek Subwatershed Study Update-Water Resources Management Component. The study will address the development activities that have occurred within the Pottersburg Creek since the previous study in 1995 as well as

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incorporate findings from recently completed Climate Change Study. The location of the Pottersburg Creek Subwatershed is shown in Appendix 'B'.

Context:

In August 1995, City Council approved the Pottersburg Creek Subwatershed Study (PCSS). This study provided the subwatershed management strategy for water resources (hydraulic, hydrologic, and geotechnical/hydrological), environmental and ecological components of the system under the existing and proposed land use. The original PCSS's objectives were to provide criteria and environmental targets to either maintain or enhance conditions.

In 2011, the Planning and Environmental Engineering Services Department of the City of London was directed to undertake the Pottersburg Creek Subwatershed Study Update (PCSSU) for water resources components and slope stability under the Climate Change conditions using the Upper Bound (CC_UB) scenarios to assess the impacts on the City's infrastructure and recommend mitigation strategies that will lead to development of Climate Change Adaptation Policies.

In February 2012, the Ministry of the Environment (MOE) reaffirmed the previous request to proceed with PCSSU as soon as possible to more effectively manage the flows and erosion impacts within the main channel and the creek's tributaries.

The purpose of this subwatershed study update is to undertake the update to the water's resources management component of the original subwatershed study and confirm the ecological conditions of the subwatershed in relation to the water resources system. The study update will be done in accordance with the Municipal Class EA process by completing the first two phases. It will include public meetings, evaluation criteria, alternative solutions and determination of a preferred solution. The update will provide an opportunity to confirm SWM requirements/benefits on a subwatershed basis.

The main objectives of PCSSU include but are not limited to:

- Incorporate recommendations from the Vulnerability of Infrastructure to Climate Change Study into the Subwatershed Study Update;
- Update and develop the water's resources analysis (hydraulic, hydrologic, erosion) for this subwatershed;
- Develop a preliminary slope stability evaluation/assessment and confirm flooding;
- Confirm the ecological conditions in the subwatershed in relation to the water resources system;
- Update of watershed SWM erosion criteria and environmental targets that will lead to a stable creek channel;
- Determine the risk impact of flooding from extreme storm events for critical City infrastructure and recommend potential risk-reducing measures/strategy;
- Provide a strategy to maintain slope stability under extreme storm events and recommend potential risk-reducing measures/strategy;
- Update the SWM criteria for flood, erosion and water quality control;
- Recommendation of Subwatershed Management Plan including: Updating of Subwatershed-wide Management Strategies, Updating of Tributary Facts Sheets and Updating of Design Details for Planned SWM Facilities.

The Study will be consistent with the Municipal Class Environmental Assessment (EA) process by completing the first phase and appropriate effort of the second phase such that a strategy is recommended.

The Study will also provide an opportunity to confirm SWM requirements for infill or potential redevelopment of sites within the study area.

The work activities required as part of this study are outlined in Sections 2 to 6 of Pottersburg Creek Subwatershed Study Update-Terms of Reference and must meet the City's General Storm/Drainage and Stormwater Management (SWM) Checklist as well as Master Plan (MP) Requirements Checklist.

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Discussion:

The assignment of this project was based on a request for proposal submissions by three engineering consulting firms. These firms were requested to state their approach to the proposed project and their experience and knowledge of projects similar in nature. The successful consultant was selected using the Quality Based Selection approach where the financial component of engineering services were opened after the evaluation of the work plan proposal. The objective of the Quality Based Selection process is to identify the most qualified consulting team to perform the work at a fair and reasonable price.

Staff recommends that AECOM be awarded the Contract for Pottersburg Creek Subwatershed Study Update. Based on review of written proposals, AECOM demonstrated an understanding of the City's requirements for this project with a budget that was less than the other two proposals. AECOM demonstrated significant background knowledge of the London area, knowledge of the City's requirements and a high level of competency in completing multi-disciplinary water resources projects. AECOM's proposal and work program meets the schedule and delivery requirements to complete the Pottersburg Creek Subwatershed Study within approximately 8 months of project initiation.

The total estimated cost associated with the Pottersburg Creek Subwatershed Study Update is \$285,881.00, excluding HST.

Conclusions:

Three consultants provided written proposals, that included a detailed work program, estimate of fees, and schedule. Staff considers the AECOM proposal to have demonstrated an understanding of the City's requirements for this project and provides best value to the City. Therefore, it is recommended that AECOM be authorized to complete the Pottersburg Creek Subwatershed Study Update to the upset limit of \$285,881.00 excluding HST.

Acknowledgements:

This report was prepared by Dragan Sredojevic of the Planning, Environmental Engineering Services Department, Stormwater Management Unit.

SUBMITTED BY:	RECOMMENDED BY:
BERTA KRICKER, M. ENG., FEC, P. ENG., MANAGER OF STORMWATER STORMWATER MANAGEMENT UNIT	JOHN BRAAM, P.ENG. ACTING EXECUTIVE DIRECTOR AND CITY ENGINEER PLANNING, ENVIRONMENTAL AND ENGINEERING SERVICES

May 18, 2012

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

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Cc: John Braam, City Engineer