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TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON, OCTOBER 22, 2012
FROM:	JOHN BRAAM, P. ENG. MANAGING DIRECTOR, ENGINEERING AND CITY ENGINEER
SUBJECT	APPOINTMENT OF CONSULTING SERVICES FOR MEDWAY CREEK SUBWATERSHED STUDY UPDATE

RECOMMENDATION

That, on the recommendation of the Managing Director, Engineering and City Engineer, the following actions **BE TAKEN** with respect to the appointment of a consultant for the Medway Creek Subwatershed Study Update:

- a) DILLON CONSULTING 1400-130 Dufferin Avenue, London Ontario N6A 5R2 **BE APPOINTED** Consulting Engineers for the Medway Creek Subwatershed Study Update in the amount of \$293,814. The value includes a contingency allowance of \$50,000, 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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Built and Natural Environment Committee, June 13, 2011, Climate Change Adaptation Strategy Phase 1 Completion

Environment and Transportation Committee, September 27, 2010, Phase 1 – Climate Change Adaptation Strategy Studies

Environment and Transportation Committee, July 14, 2008, Appointment of the consultants for Phase 1 Climate Change Adaptation Strategy

Board of Control, May 28 2008, 2008 Wastewater and Treatment Emergent Projects (a) - ES2470 Climate Change Strategy

Environment and Transportation Committee, December 10, 2007, Review of Rainfall Intensity Duration Frequency Curves for City of London under Climate Change

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BACKGROUND

Purpose:

The report recommends appointment of an engineering consultant to provide engineering services to complete the Water Resources Components for the Medway Creek Subwatershed Study Update (MCSSU). The location of the Medway Creek Subwatershed is shown in Appendix 'B'.

Context:

In August 1995, City Council approved the Medway Creek Subwatershed Study (MCSS). This study provided the subwatershed management strategy to maintain and enhance water resources (hydraulic, hydrologic, hydrogeological, erosion, water quality, slope stability), as well as, environmental and ecological components of the system under the existing and proposed land uses.

The original objectives were to maintain, protect and enhance the water resources system, preserve the main functions and features of the Natural Heritage System (NHS), minimize impact on existing land uses as to ensure that future development proceeds in a manner which does not impair the key functions of the physical and biological systems which support watershed integrity.

In 2011, the Planning and Environmental Engineering Services Department of the City of London received direction by City Council to undertake the Medway Creek Subwatershed Study Update (MCSSU) in relation to water resources components and slope stability under the Climate Change conditions using the Upper Bound (CC_UB) scenarios to assess the impacts of these scenarios on the City's infrastructure and recommend mitigation strategies that will lead to development of Climate Change Adaptation Policies.

The main objectives of the MCSSU include but are not limited to:

1. Incorporate recommendations from the Vulnerability of Infrastructure to Climate Change Study into the Subwatershed Study Update;
2. Review and update the water resources inventory and analysis (hydraulic, hydrologic, erosion);
3. Develop a preliminary slope stability evaluation/assessment;
4. Confirm the preliminary ecological conditions in the subwatershed in relation to the water resources system;
5. Determine the risk impact of flooding from extreme storm events on critical City infrastructure and recommend potential risk-reducing measures/strategy;
6. Provide slope stability strategy to maintain, or if required, to enhance slope stability conditions under extreme storm events and recommend risk-reducing measures/strategy; and
7. Updating of Subwatershed Management Strategies, and updating of Tributary Facts Sheets.

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. It will include public meetings, evaluation criteria, alternative solutions and determination of a preferred solution. All applicable agencies will also be engaged in the study update.

Discussion:

Three consultants were contacted to submit Request for Proposals (RFP's) for this project. Two consultants provided written proposals, which included a detailed work program, estimate of fees, and schedule. The proposals were reviewed using Quality Based Selection and evaluated based on study approach, staff experience, study team, process for quality assurance/scheduling/cost control, understanding and knowledge of City standards and approval agency requirements, and consultant appraisal rating. The objective was to identify the most qualified consulting team to perform the work at a fair and reasonable price.

Staff recommends that DILLON CONSULTING be awarded the Contract for Medway Creek Subwatershed Study Update. Based on review of written proposals, DILLON CONSULTING demonstrated an understanding of the City's requirements for this project and provides the best



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value to the City. This consultant has a long standing history in the London area, knowledge of the City's requirements, and experience in multi-disciplinary water resources projects.

The total estimated cost associated with the Medway Creek Subwatershed Study Update is \$243,814, excluding contingency and HST. Staff recommends that a contingency of \$50,000 be carried for additional modeling and communication work related to climate change evaluations. The use of the contingency funds would be considered only upon additional work required beyond the current scope and work plan proposal accepted by the City.

Conclusions:

It is recommended that DILLON CONSULTING be retained as the consultant for the Water Resources Components for the Medway Creek Subwatershed Study Update. The estimated total cost associated with completing the study is \$293,814, including a contingency of \$50,000 excluding HST.

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

August 24, 2012

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

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Cc: John Braam - Managing Director, Engineering and City Engineer
Pat Shack - Budget Analyst
Dillon Consulting

Chair and Members
Civic Works Committee

October 12, 2012
(Appoint Consulting Engineer)

RE: Medway Creek Subwatershed Study Update
Capital Project ES2470 - Adoption of Climate Changes
Capital Project ES2428-12 - 2012 Erosion Remediation in Open Watercourse Management & Reclamation
Dillon Consulting - \$293,814.00 (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 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>
<u>ES2470-Adoption of Climate Changes</u>				
Engineering	\$1,298,261	\$1,169,222	\$129,039	\$0
City Related Expenses	1,739	1,739		0
	<u>1,300,000</u>	<u>1,170,961</u>	<u>129,039</u>	<u>0</u>
<u>ES2428-12 - 2012 Erosion Remediation in Open Watercourse Mngmnt, & Reclamation</u>				
Engineering	172,163	2,217	169,946	0
Construction	147,837			147,837
	<u>320,000</u>	<u>2,217</u>	<u>169,946</u>	<u>147,837</u>
NET ESTIMATED EXPENDITURES	<u>\$1,620,000</u>	<u>\$1,173,178</u>	<u>\$298,985</u> 1)	<u>\$147,837</u>

SOURCE OF FINANCING:

ES2470-Adoption of Climate Changes

Drawdown from Sewage Works Reserve Fund	\$1,300,000	\$1,170,961	\$129,039	\$0
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ES2428-12 - 2012 Erosion Remediation in Open Watercourse Mngmnt, & Reclamation

Capital Sewer Rates	320,000	2,217	169,946	147,837
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TOTAL FINANCING

<u>\$1,620,000</u>	<u>\$1,173,178</u>	<u>\$298,985</u>	<u>\$147,837</u>
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Financial Note:

	<u>ES2470</u>	<u>ES2428-12</u>	<u>TOTAL</u>
1) Contract Price	\$126,807	\$167,007	\$293,814
Add: HST @13%	16,485	21,711	38,196
Total Contract Price Including Taxes	<u>143,292</u>	<u>188,718</u>	<u>332,010</u>
Less: HST Rebate	14,253	18,772	33,025
Net Contract Price	<u>\$129,039</u>	<u>\$169,946</u>	<u>\$298,985</u>



Alan Dunbar
Manager of Financial Planning & Policy

APPENDIX 'B' - MEDWAY CREEK SUBWATERSHED

