

**Request for Decision
City Council**



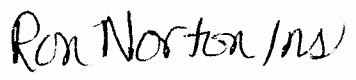
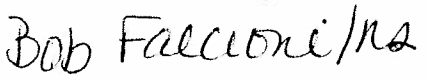
Type of Decision											
Meeting Date		October 25, 2006				Report Date		October 19, 2006			
Decision Requested			Yes		No	Priority		x	High		Low
		Direction Only				Type of Meeting		x	Open		Closed

Report Title
Sediment Removal from Lake Nepahwin

Budget Impact / Policy Implication		Recommendation	
x	This report has been reviewed by the Finance Division and the funding source has been identified.	"FOR INFORMATION ONLY"	
x	Background Attached	Recommendation Continued	

Recommended by the Department	Recommended by the C.A.O.
 A.F. Stephen General Manager of Infrastructure and Emergency Services	 Mark Mieto Chief Administrative Officer

Date: October 19, 2006

Report Prepared By	Division Review
 Ronald W. Norton, P. Eng. Drainage Engineer	 Robert M. Falcioni, P. Eng. Director of Roads and Transportation

Background:

During the Spring/Summer of 2005, the Department of Fisheries and Oceans advised the City that storm sewer sediment within six (6) coves in Lake Nepahwin would have to be removed.

In October 2005, a request for Expression of Interest for the work to remove the sediment was advertised by the Supplies and Services Section. On November 10, 2005, Council accepted a pilot project to remove storm sewer sediment from selected coves of Lake Nepahwin using the hydraulic dredge method.

The pilot project was mobilized and work commenced on May 10, 2006 using the subcat hydraulic dredge machine, operated by Dominion Divers Ltd., to remove sediment from the cove behind the Rumble Terrace Apartments. After three (3) days of trials, the subcat machine was not efficiently removing the sediment and the contract with Dominion Divers Ltd. was terminated.

Drainage Section staff conducted additional research and evaluated various other options to determine a method to economically remove the sediment.

Following extensive discussions and site meetings with the Department of Fisheries and Oceans, Ministry of Natural Resources, lakeside property owners, marine excavation contractors, marine barge suppliers, and the City of Brampton Engineering Department, Drainage Section staff prepared a tender for removal of the sediment from the six (6) coves of Lake Nepahwin during the Fall of 2006. The tender was advertised through the Supplies and Services Section.

Tenders closed on September 5, 2006 and the following tenders were received:

Tera North Construction and Engineering Limited	\$ 874,449.65
Georgian Bay Dredging and Excavating	\$ 880,702.59

The City Purchasing Manager and the City Drainage Engineer conducted negotiations with the low bidder Tera North Construction and Engineering Limited to review the cost of various work items contained in their tender. Tera North Construction Engineering Limited advised that they could not improve their offer.

Both tenders were over the engineer's estimate of \$ 450,000 and the Capital Budget allotment of \$ 500,000 and have been rejected.

Another marine contractor was contacted with respect to the project. Following site meetings, discussions and negotiations, R.E. Mailloux Construction has submitted a lump sum price of \$ 376,300 to complete the required sediment removal in the 2007 construction season. This bid has been accepted and a formal contract is in process. R.E. Mailloux Construction is a local area contractor with marine experience who has completed a number of City municipal drainage construction projects. Timing of the project will be established in conjunction with the requirements of the Department of Fisheries and Oceans and the Ministry of Natural Resources.