


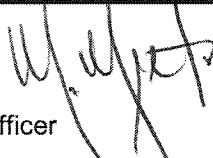
Request for Decision City Council




Type of Decision											
Meeting Date		December 12, 2007				Report Date		December 5, 2007			
Decision Requested		<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	Priority		<input checked="" type="checkbox"/>	High	<input type="checkbox"/>	Low
		Direction Only				Type of Meeting		<input checked="" type="checkbox"/>	Open	<input type="checkbox"/>	Closed

Report Title
Lake Nepahwin 2007 Sedimentation Removal Project and the Award of the 2008 Lake Nepahwin Watershed Stormwater Control and Quality Improvement Study

Budget Impact / Policy Implication		Recommendation	
<input checked="" type="checkbox"/>	This report has been reviewed by the Finance Division and the funding source has been identified.		
This contract will be funded from the 2007 and 2008 Roads Capital Budget.		That K. Smart Associates Limited be awarded the contract for the provision of Engineering Services for the Lake Nepahwin Watershed Stormwater Control and Quality Improvement Study in the amount of \$220,700 and that \$200,000 be provided from the 2007 Roads Capital Budget and the balance of \$20,700 be provided from the 2008 Roads Capital Budget, all in accordance with the report prepared by the General Manager of Infrastructure dated December 5, 2007.	
<input checked="" type="checkbox"/>	Background Attached	<input type="checkbox"/>	Recommendation Continued

Recommended by the Department	Recommended by the C.A.O.
 Greg Clausen, P. Eng. General Manager of Infrastructure Services	 Mark Mieto Chief Administrative Officer

Date: December 5, 2007

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

Background:Lake Nepahwin 2007 Sedimentation Removal Project

In September 2006, the Drainage Section of the Infrastructure Services Department tendered a project to remove storm sewer sediment from six coves in Lake Nepahwin. Two tenders were received in the respective amounts of \$874,449.65 and \$880,702.59 respectively. Both tenders were over the engineers estimate of \$450,000.00. Following negotiations with the low bidder, both tenders were rejected due to cost.

Subsequent meetings and negotiations were held with R.E. Mailloux Construction Limited who submitted a lump sum price of \$376,300.00 to complete the required sediment removal in 2007 using a marine barge and excavation method. This proposal was accepted and the City subsequently entered into a formal contract with R.E. Mailloux Construction Limited.

Following discussions with the Department of Fisheries and Oceans and the Ministry of Natural Resources, work permits were approved to allow the sediment removal work to take place in the July to October 2007 time frame. R.E. Mailloux Construction Ltd. commenced operations in July 2007.

After placing a silt curtain across the mouth of each cove to contain the spread of turbid water, the contractor excavated sediment from the lake bottom and hauled the removed material to designated City landfill locations.

The following amounts of material were removed:

Site 1	Paris Street Cove	360 cubic metres	24 truck loads
Site 2	Casa Aldofo Cove	660 cubic metres	44 truck loads
Site 3	Rumball Terrace Cove	1320 cubic metres	83 truck loads
Site 4	Stewart Drive Cove	1125 cubic metres	75 truck loads
Site 5	Loaches Road Cove	885 cubic metres	59 truck loads
Site 6	Nepahwin Drive Cove	195 cubic metres	13 truck loads
Total amount		4545 cubic metres	303 truck loads

Date: December 5, 2007

Lake Nepahwin Watershed Stormwater Control and Quality Improvement Study

In September 2007, the Drainage Section of the Infrastructure Services Department in liaison with Supplies and Services advertised a Request for Proposal for the services of a Civil/Environmental Engineering Consultant to study our Lake Nepahwin resource, to analyse and recommend hydraulic improvements to the storm water conveyance systems of the six major sub-water sheds, to design and implement stormwater treatment stations for the six outlets and to recommend future policy to protect the Lake Nepahwin resource.

Proposals were received from Amec, Dennis Consultants, EarthTech, J.L. Richards, K. Smart Associates Ltd., and S.A. Kirchhefer Limited. Following initial review and analysis of the proposals, a short list of firms were invited to an interview before the Selection Committee.

Amec, Dennis Consultants and K. Smart Associates Limited were interviewed.

The Selection Committee consisted of:

Mr. Darryl Mathe, Manager of Supplies and Services
 Mr. Ron Norton, P.Eng., Drainage Engineer
 Mr. Kevin Reynish, Drainage Technician

The following grid criteria was used to evaluate the consultants:

<u>Description</u>	<u>Points</u>
Demonstrated Understanding of Project/Approach to the project to meet the goals, objectives, and timelines indicated in RFP / references of similar projects	60
Experience & Qualifications of Project Manager, Lead Person & Staff	25
Price	15
Total	100

Results of Evaluation:

	<u>Points</u>		
	Amec	Dennis Consultants	K. Smart Associates Ltd.
Total Points	78	74	91
Proposal Price (GST excluded)	\$245,660	\$305,820	\$220,700

The consensus and recommendation of the Selection Committee is to award the project to K. Smart Associates Limited in the amount of \$220,700 plus 6% GST.

Date: December 5, 2007

Funding for the Lake Nepahwin Study and for the analysis of storm drainage systems and the implementation of treatment stations was included in the 2007 Capital Budget in the amount of \$200,000. The balance of the required funds will come from the \$1.4 million dollar allotment for treatment stations included in the 2008 Capital Budget.

With the completion of this project, future storm sewer sediments will be intercepted before they reach Lake Nepahwin, hydraulic improvements to the stormwater conveyance systems will be determined and various policy and educational outreach initiatives will be undertaken.

This project will be one more step in our mission to improve and protect the City's water resources and natural environment.