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DATE: April 26, 2010

REPORT TITLE: **CHINGUACOUSY PUMPING STATION AND FORCEMAIN  
CAPITAL PROJECT 06-6583  
DOCUMENT 2007-185P  
TOWN OF CALEDON, WARD 2**

FROM: Dan Labrecque, Commissioner of Public Works

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### **RECOMMENDATION**

**That the contract (Document 2007-185P) between the Region of Peel and R.V. Anderson Associates Limited be extended to provide additional engineering services in the estimated amount of \$250,000 (excluding applicable taxes), under Capital Project 06-6583, Chinguacousy Pumping Station and Forcemain, for an estimated total commitment of \$649,871 (excluding applicable taxes), in accordance with Purchasing By-law 63-2008;**

**And further, that additional construction contingency cost in the amount of \$250,000 be approved for Capital Project 06-6583, Chinguacousy Pumping Station and Forcemain;**

**And further, that the budget for Capital Project 06-6583, Chinguacousy Pumping Station and Forcemain be increased by \$500,000, from \$2,300,000 to \$2,800,000 for the additional contract administration, inspection services and construction contingency to be financed \$280,000 from Waste Management Landfill R1010, \$94,000 from New Capital Waste R1145 and \$126,000 from Waste Abatement R1961.**

### **REPORT HIGHLIGHTS**

- R.V. Anderson Associates Limited was retained in 2007 by the Region to undertake the Class Environmental Assessment, Detailed Design and Construction Administration for the Chinguacousy Forcemain upgrade and replacement.
- During the Environmental Assessment process, it was determined that the Chinguacousy Pumping Station was also at the end of its useful life cycle, undersized and required upgrading.
- The project is now under construction and it is anticipated that the new station and forcemain will be fully operational by the end of summer 2010.
- Additional funding is required in order to cover the contract administration and inspection services by R.V. Anderson Associates Limited and to cover additional construction contingency costs.

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**DISCUSSION**

**1. Background**

The Waste Management division issued a Request for Proposal (RFP) in 2007 for the engineering services including the Class Environment Assessment, Detailed Design and Construction Administration for upgrading the existing sanitary sewer forcemain, which is servicing the former Chinguacousy Landfill Site located at the Northwest corner of Dixie Road and King Street in the Town of Caledon.

The Existing 75mm (3") forcemain located on Dixie Road from the Chinguacousy Landfill Site to the Mayfield Pumping Station, is under capacity and structurally deficient.

R.V. Anderson Associates Limited was retained to provide the engineering services. The Class Environmental Assessment was commenced and during the process, it was determined that the existing pumping station located at the former Chinguacousy Landfill Site is also at the end of its useful life cycle, under capacity, and deficient.

**2. Consulting Services**

R.V. Anderson Associates Limited completed the Class Environmental Assessment and detailed design for both the forcemain and pumping station.

The duration of construction has been extended to include the reconstruction of the existing pumping station. It is therefore proposed to extend the assignment with R.V. Anderson Associates Limited for the additional contract administration and inspection services. It is estimated that the additional fees will be \$250,000 (excluding applicable taxes) for a total commitment of \$649,871 (excluding applicable taxes).

**3. Construction Contract**

The tender was issued on December 4, 2009 for the construction of the forcemain and pumping station. The available budget under project 06-6583 was adequate to award the contract to the low bid contractor.

Staff are proposing to increase the project budget to provide for an appropriate construction contingency allowance in the additional amount of \$250,000.

It is anticipated that the construction of the new pumping station and forcemain will be completed by the end of summer 2010.

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**FINANCIAL IMPLICATIONS**

It is proposed to increase the budget under Capital Project 06-6583, as follows:

Project	Original Budget	Increase Requested	Increase funded By Reserve and Value		New Total
06-6583	\$2,300,000	\$500,000 (\$250,000 Inspection and Contract Administration and \$250,000 Construction Contingency)	Waste Management Landfill R1010	\$280,000	\$2,800,000
			New Capital Waste R1145	\$94,000	
			Waste Abatement R1961	\$126,000	

**CONCLUSION**

The construction of the new Chinguacousy forcemain and pumping station is required to provide the servicing capacity for the former Chinguacousy Landfill Site including the new Curing Facility. It is therefore recommended that the additional funds be approved and that the contract with R.V. Anderson Associates Limited be increased to cover the additional contract administration and inspection services.



Dan Labrecque  
 Commissioner of Public Works

**Approved for Submission:**



D. Szwarc, Chief Administrative Officer

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# APPENDIX I

April 26, 2010

PW-D3-4



## CHINGUACOUSY PUMPING STATION AND FORCEMAIN CAPITAL PROJECT 06-6583 DOCUMENT 2007-185P TOWN OF CALEDON, WARD 2

