

DATE: March 1, 2010

REPORT TITLE: **WEST BRAMPTON RESERVOIR AND PUMPING STATION  
CAPITAL PROJECTS 08-1966 AND 03-1975  
DOCUMENT 2004-367P  
CITY OF BRAMPTON, WARD 6**

FROM: Dan Labrecque, Commissioner of Public Works

**RECOMMENDATION**

**That the contract (Document 2004-367P) for consulting services for the design and contract administration for the construction of the West Brampton Reservoir and Pumping Station between the Region of Peel and the consulting engineering firm Genivar Consultants Limited Partnership (formerly MacViro Consultants Incorporated) be extended for additional engineering services in the amount of \$225,660 (excluding applicable taxes), for a total commitment of \$1,485,763 under Capital Project 03-1975, in accordance with Purchasing By-law 63-2008.**

**REPORT HIGHLIGHTS**

- The West Brampton Reservoir and Pumping Station is a significant Master Plan project.
- The facility is key in servicing demands for the Region of Peel.
- Staff retained MacViro Consultants Incorporated (now Genivar Consultants Limited Partnership) in 2004.
- The original contract administration and inspection duration at the West Brampton Pumping Station and Reservoir was anticipated as 70 weeks, however, the actual project duration has increased to an estimated 104 weeks.
- The estimated fees of \$225,660 for additional contract administration are within industry standards and there are sufficient funds within the Capital Project 03-1975.

**DISCUSSION**

**1. Background**

In 2001 and subsequently in 2007, the Region of Peel amended the Water and Wastewater Servicing Master Plan. The plan identified the need for a new storage facility and pumping station in northwest Brampton in order to meeting the growing demands of the present and future residents and businesses of the Region of Peel.

March 1, 2010

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In 2004, MacViro Consultants Incorporated (now Genivar) was retained by the Region under Proposal 2004-367P to design and administer the construction of the West Brampton Reservoir and Pumping Station.

The original Request for Proposal (RFP) mandated that consultants include costs for 70 weeks of total contract administration and inspection services. The construction period stipulated in RFP documents is based on the estimates anticipated for construction of the works by staff and the recommendations of the preliminary design report completed at the end of the Environmental Assessment (EA) phase. Staff review this information and in conjunction with their experience on similar projects, recommend a minimum construction period. The minimum length for Contract Administration and Inspection costs is included in the RFP call to provide an equal basis of bidding for all invited bidders for the RFP and to ensure the Region receives a fair price from all bidding Vendors during the proposal process.

The capital projects are intended to provide the following new infrastructure:

**West Brampton Pumping Station and Reservoir (2004-367P)**

- Detailed design and construction administration of a new Pumping Station;
- Detailed design and construction administration of a new 35 ML reservoir and valve house;
- Detailed design and construction administration of a standby power facility associated with the new Pumping station; and,
- Miscellaneous site works required to construct the Pumping Station and Reservoir on the acquired property including servicing of the new facility with hydro, natural gas and digital communication infrastructure.

**2. Findings**

During the contract administration of the project several unexpected construction issues became apparent.

- Construction of the Heritage Feedermain has been delayed due to issues related to the construction of a tunnel under the Credit River and due to property issues related to the acquisition of an easement at the 407 from the Ontario Realty Corporation (ORC). Due to these delays the start-up, testing and commissioning of the plant on a large scale cannot be completed until the Feedermain construction is complete and must be partially deferred. Staff and the contractor have developed an interim plan to permit the partial startup of the facility.
- During the tender period based on feedback from Construction vendors the construction period was increased to 80 weeks. This 10 week extension was granted during tendering to allow for a realistic and fair timeframe for the low bid Contractor to complete the work. This timeframe was over and above the original amount stipulated in the RFP.
- Unusual high snow fall during the winter of 2008/2009 delayed the initial foundation and site preparation works. To date, this has amounted to approximately four weeks lost due to weather.

PW-D2-3-

March 1, 2010

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- Environmental compliance and monitoring – During the course of the design and site plan approval process the adjacency of the site to a sensitive woodlot required careful site preparation and environmental monitoring.

Because of the issues experienced to date and noted above the estimated actual duration of the capital project is expected to be 104 weeks. The extension of contract time may be broken down as follows:

- Extension to original contract length at time of tender – 10 Weeks
- Delays due to commissioning of the feedermain – 12 weeks
- Delays due to winter 2008/9 – 4 weeks
- Miscellaneous contract amendments and environmental compliance – 8 weeks

As such an additional 34 weeks of Consultant contract administration fees will be required over the base bid submitted with the original RFP. The 34 week extension to the construction period was not due to Consultant errors or omissions and their continued support for a project of this size and complexity is critical to the success of the overall project. The additional costs incurred represent strictly the difference between the original stipulated administration duration in the RFP and the resulting duration after the detailed design, approval and tendering phase of the project. There are no additional charges anticipated by the contractor for the additional time to complete the contract.

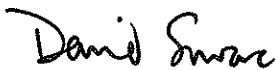
**FINANCIAL IMPLICATIONS**

Sufficient funds are available under Capital Project 03-1975.



Dan Labrecque  
Commissioner of Public Works

**Approved for Submission:**



D. Szwarc, Chief Administrative Officer

*For further information regarding this report, please contact Anthony Parente at extension 7833 or via email at [anthony.parente@peelregion.ca](mailto:anthony.parente@peelregion.ca)*

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