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DATE: November 30, 2010

REPORT TITLE: **CONSTRUCTION SERVICES FOR MEADOWVALE NORTH PUMPING  
STATION PUMP UPGRADES  
CAPITAL PROJECT 09-1980S  
DOCUMENT 2009-680T  
CITY OF MISSISSAUGA, WARD 9**

FROM: Dan Labrecque, Commissioner of Public Works

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### RECOMMENDATION

That the contract (Document 2009-680T) for construction services for the Meadowvale North Pumping Station Pump Upgrades between the Region of Peel and Bennett Contracting Millgrove Limited be extended to provide additional construction services in the estimated amount of \$745,017 (excluding applicable taxes), for a new total commitment of \$7,699,884, (excluding applicable taxes), in accordance with Purchasing By-law 63-2008;

And further, that additional funds in the amount of \$675,000 be provided to Capital Project 09-1980S financed from Water Capital Stabilization Reserve R0241.

### REPORT HIGHLIGHTS

- In 2009, the Region of Peel applied for and received Infrastructure Stimulus Funding for the design and installation of new pumps to increase the pumping capacity of the Meadowvale North Pumping Station, which services demands in Mississauga and Brampton.
- The Region of Peel tendered Document 2009-680T in 2009 and awarded the contract in fall of 2009 to Bennett Contracting Millgrove Limited.
- Design scope changes and unanticipated site conditions have resulted in additional costs of construction services for the Meadowvale North Pumping Station Pump Upgrade project.
- Regional staff recommend that additional funding in the estimated amount of \$675,000 (excluding applicable taxes) be provided to Project 09-1980S from the Water Capital Stabilization Reserve R0241.

### DISCUSSION

#### 1. Background

In 2009, the Region of Peel applied for and received Infrastructure Stimulus Funding (ISF) for the design and installation of new pumps to increase the pumping capacity of the Meadowvale North Pumping Station to meet future water service demands. The

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construction work involves the installation of five new pumps, replacement of the existing back-up diesel generator with a larger unit, and installation of a new pressure-reducing valve chamber. The Meadowvale North Pumping Station services Water Pressure Zones 4 and 5 in Mississauga and Brampton, and will also supply water to the West Brampton Reservoir presently under construction in northwest Brampton. The upgrades to the facility will permit future development in western sections of the City of Mississauga and the City of Brampton.

In fall of 2009, the Region issued Document 2009-680T for construction services for the Meadowvale North Pump Upgrade project. The project was awarded to the lowest-bid contractor, Bennett Contracting Millgrove Limited.

**2. Project Scope Changes**

Construction on the project is ongoing and various design scope changes and unanticipated site conditions have resulted in additional costs. Scope changes to date consist of the following:

- Upgrade of the existing Supervisory Control and Data Acquisition (SCADA) system to bring into compliance with new standards;
- Changes to the motor control centre for the new pumps;
- Unanticipated constraints and replacements of valves outside of the facility have resulted in additional construction work, including the replacement of main line valve along with installation of new by-pass piping, and relocation of the existing gas main to suit the new valve chamber.

The valve replacement and permanent bypass piping are essential to the completion of the project and could not have been foreseen during the detailed design of the upgrade. The additional costs represent less than 10 per cent of the original project budget. The additional funding provided by the ISF program will provide a far more robust facility which will require little future expansion.

**FINANCIAL IMPLICATIONS**

It is proposed that the budget for Capital Project 09-1980S be increased by additional funding in the estimated amount of \$675,000 to be financed from the Water Capital Stabilization Reserve R0241. The increase will not be eligible for Provincial and Federal claims and will be fully financed by the Region of Peel.

<u>Detailed Financial Breakdown:</u>	
Miscellaneous External and Internal Charges to Date	\$16,172
Existing Construction Cost	\$6,421,833
Existing Engineering Cost	\$893,579
Additional Miscellaneous External and Internal Charges	\$65,399
Additional Construction Funding	\$745,017
<b>Sub-Total</b>	<b>\$8,142,000</b>
Available Capital Budget 09-1980S	\$7,467,000
<b>Required Additional Funding</b>	<b>\$675,000</b>

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Dan Labrecque  
Commissioner of Public Works

**Approved for Submission:**



D. Szwarc, Chief Administrative Officer



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c. Legislative Services  
 J. Macintyre, Director, Purchasing  
Manager, Financial Support Unit (FSU)



# APPENDIX I

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