
DATE: January 13, 2010

REPORT TITLE: **CONSTRUCTION OF THE BATTLEFORD ROAD BOOSTER PUMPING STATION AND FEEDERMAIN CAPITAL PROJECTS 08-1989 AND 07-1378 DOCUMENT 2009-232T DOCUMENT 2008-211P CITY OF MISSISSAUGA, WARDS 9 & 10**

FROM: Dan Labrecque, Commissioner of Public Works

RECOMMENDATION

That the contract (Document 2009-232T) for construction services provided by Mettko Construction Corporation for the Battleford Road Booster Pumping Station and Feedermain be extended to provide additional construction services in the estimated amount of \$273,670 (excluding applicable taxes), for a new total commitment of \$3,045,670 in accordance with Purchasing By-law 63-2008;

And further, that the contract (Document 2008-211P) for engineering and contract administration services provided by AECOM Canada Limited for the Battleford Road Booster Pumping Station and Feedermain be extended to provide additional engineering services in the estimated amount of \$90,000 for a new total commitment of \$652,974 (excluding applicable taxes), in accordance with Purchasing By-law 63-2008;

And further, that additional funds of \$495,000 be provided to Capital Project 08-1989, in order to cover the extra costs associated with construction, engineering and land acquisition, financed from Water Capital Financing Stabilization Reserve, R0241.

REPORT HIGHLIGHTS

- Northwestern sections of the City of Mississauga have been experiencing low pressure problems in the upper portion of Zone 4 and wide pressure fluctuations in lower sections of Zone 5. It was determined that the installation of a new booster pumping station and three pressure-reducing valves is the best solution.
- Design scope changes have resulted in additional costs to the engineering and construction service for the Battleford Road Booster Pumping Station project.
- Unforeseen land acquisition cost of \$121,000 that was not accounted for in the original capital budget for this project.
- Staff recommends that additional funding in the amount of \$495,000 (excluding applicable taxes) be provided to Project 08-1989 from the Water Capital Financing Stabilization Reserve (R0241).

January 13, 2010

CONSTRUCTION OF THE BATTLEFORD ROAD BOOSTER PUMPING STATION AND FEEDERMAIN

CAPITAL PROJECTS 08-1989 AND 07-1378

DOCUMENT 2009-232T

DOCUMENT 2008-211P

CITY OF MISSISSAUGA, WARDS 9 & 10

DISCUSSION

1. Background

Northwestern sections of the City of Mississauga have been experiencing low pressure problems in the upper portion of Zone 4 and pressure fluctuations in lower sections of Zone 5. The properties experiencing the low pressures in Zone 4 are located around Tenth Line West, in the area north of Britannia Road, south of Battleford Road, west of Winston Churchill Boulevard and east of Ninth Line West. Directly north of the Zone 4 low pressure area are properties which are currently within lower section of Zone 5; this area has very high fluctuation of pressures between peak hour and average day demands.

In the fall of 2007, the Region retained AECOM Canada Limited (formerly KMK Consultants Limited) to undertake the modeling and analysis of the water distribution system and to complete a Schedule "B" Class Environmental Assessment Study (EA). It was determined that low pressure problems in Zone 4 be resolved by the creation of a new pressure Zone 4A using a booster pumping station located in an area near Battleford Road and Glen Erin Drive, and that the fluctuating pressures in Zone 5 be resolved by creating a new pressure Zone 5A by the installation of Pressure Reducing Valves at three locations throughout the lower zone.

In the summer of 2008, through Document 2008-211P, AECOM was awarded the consulting services for the design and contract administration of the proposed booster pumping station and feedermain. In the summer of 2009, the design was completed and Tender Document 2009-232T was issued and construction services were awarded to Mettko Construction Corporation.

During the EA and design process it was determined that the best location of the proposed station was on City of Mississauga parklands fronting Battleford Road east of Glen Erin Drive. This location resulted in unforeseen land acquisition cost of \$121,000 that was not accounted for in the original capital budget for this project.

And further, during construction, various design scope changes have resulted in additional cost and extension of the project completion date. Design changes to date consist of additional watermain installation, revised valve chamber location, additional asphalt removal, removal of unfit soil below station footings, and relocation of hydro transformer.

FINANCIAL IMPLICATIONS

It is proposed that Document 2008-211P for engineering services be increased by \$90,000, and that Document 2009-232T for construction services be increased by \$273,670.

Also, it is proposed that the budget for Capital Project 08-1989 be increased by additional funding in the amount of \$495,000 to be financed from the Water Financing Stabilization Reserves, R0241, in accordance with Purchasing By-law 63-2008.

January 13, 2010

CONSTRUCTION OF THE BATTLEFORD ROAD BOOSTER PUMPING STATION AND FEEDERMAIN

CAPITAL PROJECTS 08-1989 AND 07-1378

DOCUMENT 2009-232T

DOCUMENT 2008-211P

CITY OF MISSISSAUGA, WARDS 9 & 10

Detailed Financial Breakdown:

Miscellaneous External and Internal Charges to Date	\$168,264
Existing Construction Cost	\$2,851,800
Existing Engineering Cost	\$562,974
Additional Funding for Land Acquisition	\$121,000
Additional Miscellaneous External and Internal Charges	\$27,292
Additional Construction Funding	\$273,670
Additional Engineering Funding	\$90,000
Sub-Total	\$4,095,000
Available Capital Budget 07-1378	\$250,000
Available Capital Budget 08-1989	\$3,350,000
Required Additional Funding	\$495,000



Dan Labrecque
Commissioner of Public Works

Approved for Submission:



D. Szwarc, Chief Administrative Officer

MP For further information regarding this report, please contact Anthony Parente at extension 7833 or via email at anthony.parente@peelregion.ca

Authored By: William Turner

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

APPENDIX I

January 13, 2010

CONSTRUCTION OF THE BATTLEFORD ROAD BOOSTER PUMPING STATION AND FEEDERMAIN

CAPITAL PROJECTS 08-1989 AND 07-1378

DOCUMENT 2009-232T

DOCUMENT 2008-211P

CITY OF MISSISSAUGA, WARDS 9 & 10

