



CITY OF
ST. CATHARINES

Corporate Report

Report from Transportation & Environmental Services, Engineering and Construction

Date of Report: February 11, 2013

Date of Meeting: February 25, 2013

Report Number: TES-052-2013

File: 18.20.199

Subject: Municipal Services Improvements – Church/Geneva/Niagara/St. Paul, Project Number P10-100, Capital Budget Amendment and Change of Contract Amount

RECOMMENDATION

That Council approve increasing the contract amount by \$324,974.54 to \$1,442,156.80 excluding HST for Project Number P10-100, Municipal Services Improvements – Church/Geneva/Niagara/St. Paul awarded to O'Hara Trucking & Excavating Inc.; and

That Council approve transferring an amount of \$113,060.09 from the Storm Sewer Improvement account for P11-062 MSI – Mildred Avenue to the Storm Sewer Improvement account for P10-100 MSI – Church/Geneva/Niagara/St. Paul.

FORTHWITH

Background

At its meeting of May 28, 2012, Council awarded the tender for the Municipal Services Improvements – Church/Geneva/Niagara/St. Paul to the low bidder, O'Hara Trucking & Excavating Inc. at their bid price of \$1,117,182.26 plus HST.

The project included replacement of existing cast iron watermain, replacement of existing sanitary sewers, and installation of new storm sewers on Church Street from King Street to Niagara Street, on Geneva Street from Church Street to south of Division Street, on Niagara Street from Church Street to Geneva Street, and on St. Paul Street from Geneva Street to Court Street as required.

Report

Construction for this project is complete except for some minor restoration works which will be undertaken in the spring. An estimate of the total construction costs at project completion has been prepared. The cost estimate exceeds the awarded contract amount by \$324,974.54 including an allowance of \$30,000 for incomplete works.

Unexpected conditions were encountered during construction resulting in claims for extras and increased final quantities for some tender items.

A contingency allowance of \$50,000 was included in the original contract; however, due to many difficulties encountered during construction, the total cost for all extra works is \$116,146.75. The table below categorizes the types of claims for extra work.

Primary cause of Change Order	Approx. Amounts (rounded to \$100)
Repair of existing broken watermain and associated clean ups	\$24,100
Other waterworks related	\$30,300
Sewer related	\$18,200
Road or streetscaping related	\$10,200
Other existing utilities	\$11,400
Nightwork & NRP charges (previously reported to Council)	\$22,000
Total	\$116,100

The final quantities for Granular “A” trench backfill, removals, and asphalt restoration exceed tender quantities. Unexpected materials were encountered in the sewer and watermain trench excavations which increased the use of Granular “A” backfill and caused realignments of the proposed pipes. Consequently, Niagara Region had additional requirements for the reinstatement of their Regional roads. The total increases in Granular “A” trench backfill, removals, and asphalt restoration is \$226,540.24.

Financial Implications

The revised total estimated construction cost exceeds the approved contract award of \$1,117,182.26. Additional funds of \$324,974.54 are required to complete the construction project.

The project is comprised of three project accounts funded by the 2011 Sewer Improvement Program, 2011 Storm Sewer Improvement Program, and 2011 Water System Improvement Program. The City Treasurer has confirmed that there are sufficient funds available in the respective Sewer Improvement and Water System Improvement project accounts to absorb the additional construction costs for the project. The Storm Sewer Improvement account for the project does not have sufficient funds to absorb the additional project costs. An amount of \$113,060.09 is required to be transferred to the project account. The City Treasurer has confirmed that there are sufficient funds available in the Storm Sewer Improvement account for the Project P11-062 MSI – Mildred Avenue that can be transferred to P10-100 MSI – Church/Geneva/Niagara/St. Paul.

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