



Subject:	Second Avenue Watermain Replacement and Road Reconstruction
To:	Community Services & Infrastructure Committee
From:	Public Works Department

Report Number:	PW-10-19
Wards Affected:	All
Date to Committee:	Wednesday, April 3, 2019
Date to Council:	Monday, April 15, 2019

Recommendation:

Receive and file the Report PW-10-19 for the Second Avenue Watermain Replacement and Road Reconstruction Project Award;

Approve the contract for the Second Avenue Watermain Replacement and Road Reconstruction Project for the tender amount of \$724,944.50 (excluding HST) to Alfidome Construction Niagara; and

Approve the firm of Cole Engineering Group Ltd. be retained to provide engineering services at a cost of \$50,080.00; and

Approve the Mayor and Town Clerk to sign and seal the contract documents on behalf of the municipality.

Purpose:

To examine the results of the tender for the subject project and obtain approval to proceed with construction.

Background:

The detailed design of the project was completed as part of the 2018 Capital Budget. The drinking water Quality Standard Management System (DWQMS) Infrastructure Review confirmed that this subject watermain should be a priority for replacement given the frequent break history combined with the fact that it is a dead-end section of pipe.

The approved 2019 Capital Budget allocated funds for this project which involves replacing approximately 520m deteriorated cement lined ductile iron watermain (approximately 50 years old), including appurtenances and services. In addition, the road condition and ditches on Second Avenue is in poor condition and requires rehabilitation.

Report:

The project was tendered in late February, closed March 12th, 2019 and the bid results are summarized in Table 1.0.

Table 1.0 – Bid Results

COMPANY NAME	COST
Alfidome Construction Niagara	\$724,944.50
O'Hara Trucking and Excavating	\$780,833.00
Peters Excavating Inc.	\$805,000.00
Vic Vatr Contracting Ltd.	\$883,639.00
Demar Construction Inc.	\$1,034,929.49

The low bidder Alfidome Construction Niagara has worked for the Town of Lincoln before and completed projects satisfactorily. In addition, Cole Engineering Group Ltd. reviewed the low bidders past work experience and checked municipal references and has submitted their recommendation that the award of tender be given to Alfidome Construction Niagara.

In addition to the above, Cole Engineering Group Ltd. has submitted a proposal to provide contract administration and full time inspection services for a proposed total cost of \$50,080.00. As they have prepared the contract documents and drawings it would be preferable to have them complete this component of the project.

Financial, Legal, Staff Considerations:

Financial: The total estimated costs to complete this project are summarized in Table 2.0.

Table 2.0 – Estimated Project Cost Summary

ESTIMATED PROJECT COST SUMMARY	
Tendered Price	\$724,944.50
Contract Administration/Full time Inspection	\$60,000.00
Geotechnical Material Testing	\$7,500.00
Contingency Allowance (may or may not be used)	\$50,000.00
Total Estimated Project Cost	\$842,444.50
<i>2019 Capital Budget Allocation – Second Avenue</i>	<i>\$627,000.00</i>
<i>2019 Capital Budget Allocation – Road Rehabilitation Program</i>	<i>\$125,750.00</i>
Total 2019 Budget Allocation	\$752,750.00

Based on the above, the total estimated project costs cannot be accommodated by the funds allocated with the approved capital budget.

Table 3.0 below summarizes the different construction components of this project and details the existing budget allocations, the actual cost overages and the additional funds required to award and complete construction of this project.

Table 3.0 – Additional Funding Requirements

Additional Funding Requirements			
<u>Construction Component</u>	<u>Projected Costs</u>	<u>Allocated Budget</u>	<u>Additional Budget Required</u>
Second Ave. Road Construction*	\$143,932.55	\$83,100.00	\$60,832.55
Second Ave. Watermain Construction**	\$573,161.95	\$543,900.00	\$29,261.95
Station Road Reconstruction***	\$125,750.00	\$125,750.00	\$0
Totals:	\$842,844.50	\$752,750.00	\$90,094.50

*budget shortfall to be funded by the Capital Rate Stabilization Reserve

**100% funded by the Water Reserve Fund

***100% funded by the 2019 Road Rehabilitation Program

As per Table 3.0 above, a total budget increase of \$90,094.50 is required to award and complete the subject construction project. The additional \$29,261.95 required to award and complete the watermain construction component of the project can be accommodated by the Water Reserve Fund and the \$60,832.55 required to award and complete the road construction component of the project will be required to be funded by the Capital Rate Stabilization Reserve.

Given the importance of this project, staff recommends that the subject project be provided the additional funding required for moving forward with construction.

Staffing: None

Legal: None

Public Engagement Matters:

N/A

Conclusion:

That Council approve the award of the Second Avenue Watermain Replacement and Road Reconstruction project to Alfidome Construction Niagara and full-time contract administration to Cole Engineering Group Ltd.

Respectfully submitted,

Walter Neubauer
Manager, Engineering Services
905-563-2799 Ext.278

Appendices:

Appendix A - Location map

Report Approval:

Report has been reviewed and approved by the Director of Public Works. Final approval is by the Chief Administrative Officer.

Location Map

