



REPORT TO COUNCIL

To: **Mayor and Councillors**

Subject: Watermain Condition Assessment Grant
Application

File #: 5210.00

Doc #:

From: Rick Bomhof, P.Eng.
Director of Engineering, Parks & Environment

Date: July 7, 2020

RECOMMENDATION:

THAT a grant application be submitted under the Federation of Canadian Municipalities Municipal Asset Management Program for the watermain condition assessment project on Fraser Highway, Glover Road and Grade Crescent.

THAT Council commits to undertake the work proposed in the application and supports the watermain condition assessment project on Fraser Highway, Glover Road and Grade Crescent.

PURPOSE:

The purpose of the report is to request Council support for a watermain condition assessment grant application.

POLICY:

Not Applicable

COMMENTS/ANALYSIS:

The Federation of Canadian Municipalities recently announced a new intake for the Municipal Asset Management Program available to local governments. Municipalities are eligible for 80% funding up to a maximum of \$50,000.

The project recommended for the grant application is the City's watermain condition assessment project.

The condition assessment project was already planned and budgeted (\$75,000) in the 2020 Capital Improvement Plan prior to knowledge of the grant program. A contractor has also been retained to complete the work but will not begin until we have received word from FCM that it is acceptable to commence. This is a condition of the grant application.

The project consists of assessing the watermain on Fraser Highway one way, Glover Road, and Grade Crescent. This is a non-invasive, non-intrusive and non-destructive method which involves attaching acoustic sensors to fire hydrants and valves and sending a signal through the watermain. The data that is collected from this includes, pipe wall thickness and leak detection. The information is then used to determine structural integrity and remaining useful life.

This is very important for the City as we currently have approximately 26km of older (1961 era) Asbestos Cement (AC) pipe, with no condition data, which is likely past or reaching the end of its useful life. This project will assess 3km (12%) of the pipe from that era and will help the City prioritize which sections to replace first.

The City has a budget of \$75,000 and the grant can provide another \$50,000, totalling \$125,000. With the additional \$50,000 the City could choose to complete more assessments, approximately 3km more (24%) to further our certainty on the condition of our AC watermain. By doing a greater length of watermain assessment we also gain the efficiency of scale by not having to pay setup, mobilization and demobilization costs. Alternatively the City could choose to maintain the current budget only and use the \$50,000 savings towards other projects. Unless Council directs otherwise the project length will be increased.

A budget amendment will be required if City Council approves the grant application and FCM approves the grant.

BUDGET IMPLICATIONS:

The project is estimated to cost \$75,000 and is budgeted in the 2020 Capital Improvement Plan. If approved the possible funding from the Municipal Asset Management Program is \$50,000 of the project cost. Breakdown of the budget is as follows:

Funding Source	Budget
Grant	\$ 50,000
City Budget	\$ 75,000
Total	\$125,000

ALTERNATIVES:

Defer project and don't apply for funding.

Respectfully Submitted,



Rick Bomhof, P.Eng.
Director of Engineering, Parks & Environment

CHIEF ADMINISTRATIVE OFFICER'S COMMENTS:

I support the recommendation.



Francis Cheung, P. Eng.
Chief Administrative Officer