ITEM # 5.2

HRWC Board

March 26, 2020

TO: Craig MacMullin, MBA, CPA, CGA, Chair, and Members of the Halifax Regional Water Commission Board

SUBMITTED BY: Jamie Hannam

Digitally signed by Jamie Hannam
Date: 2020.03.20 12:42:38 -03'00'

Jamie Hannam, P. Eng.
Director, Engineering & Information Services

APPROVED: Cathie O'Toole

Digitally signed by Cathie O'Toole
DN: cn=Cathie O'Toole, o=Halifax Water, ou=General Manager, email=cathieo@halifaxwater.ca, c=CA
Date: 2020.03.20 10:47:09 -03'00'

Cathie O'Toole, MBA, FCPA, FCGA, ICD.D, General Manager

DATE: March 10, 2020

SUBJECT: Port Wallace Transmission Main - Main Street to Caledonia Road

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ORIGIN

The Halifax Water 2020/21 Capital Budget.

RECOMMENDATION

The Halifax Water Board approve the *Port Wallace Transmission Main – Main Street to Caledonia Road* project construction phase at an estimated cost of $6,190,000 for a total estimated cost of $6,310,000.

BACKGROUND

The *Port Wallace Transmission Main – Main Street to Caledonia Road* project is part of the regional plan to twin the existing water transmission main from Main Street to the Burnside Industrial Park.

The Infrastructure Master Plan prepared by GM Blueplan recommended the twinning of the Burnside Transmission Main with a new 750mm diameter main. The new transmission main, which will be completed in phases over a number of years, will provide additional capacity to the expanding development within Burnside Industrial Park. This phase of the Transmission Main project also provides redundancy and support to the existing Caledonia Road Transmission Main and will support planned development in the Port Wallace area.

DISCUSSION

This first phase of the project involves the extension of approximately 1.5 km of new 750mm diameter main through Halifax Water's own undeveloped land from the Main Street/Brigadoon Road intersection to the intersection of Caledonia Road and Sheiling Lane, laid roughly parallel to the existing transmission main along Main Street and Caledonia Road.

In addition to the transmission main, the scope of the project involves the installation of new flow meters, and an upgraded Tacoma Drive Pressure Reducing Valve (PRV) chamber.

This phase of the project has been approved for funding as part of the federal/provincial New Build Canada Fund.

The project was recently tendered. Based on tender results, the estimated total project cost of the Port Wallace Transmission Main - Main Street to Caledonia Road project is $6,310,000.

Funding in the amount of $120,000 for detailed design work for this phase was previously approved in the 2019/20.

BUDGET IMPLICATIONS

Funding in the amount of $6,190,000 including net HST is available within the 2020/2021 Capital Budget under:

- *Port Wallace Transmission Main – Main Street to Caledonia Road – ($6,000,000)*
- *Tacoma PRV Chamber – ($190,000)*

The proposed expenditure meets the "No Regrets – Unavoidable Needs" approach of the 2012 Integrated Resource Plan. The proposed work meets the NR-UN criteria of Ensures integrity and safety and growth related infrastructure supported by pre-design level master plan.

ALTERNATIVES

There are no recommended alternatives.

ATTACHMENT

1. Sketch of project location
2. Project cost estimate

Report Prepared By:

Original Signed By:

Tom Gorman, P. Eng, Manager Water Infrastructure, Engineering & IS Department, 902-490-4176

Financial Approved By:

Digitally signed by Louis de Montbrun
Date: 2020.03.20 11:52:52 -03'00'

Louis de Montburn, CPA, CA, Director, Corporate Services
902-490-3685