

To: Fraser Valley Regional District Board

Date: 2020-07-28

From: Sterling Chan, Manager of Engineering and Infrastructure

File No: 5315-20

Subject: Nicomen Island Shoreline Protection Project Tender Results

RECOMMENDATION

THAT the Fraser Valley Regional District Board authorize its signatories to execute a contract with Jakes Construction Ltd. to construct the Nicomen Island Shoreline Protection Works for the sum of \$1,691,210 plus taxes;

STRATEGIC AREA(S) OF FOCUS

Support Environmental Stewardship
Support Healthy & Sustainable Community
Provide Responsive & Effective Public Services

PRIORITIES

Priority #3 Flood Protection & Management

BACKGROUND

Nicomen Island is protected from Fraser River flooding by a 35km network of dike, including five pump stations and a series of internal drainage infrastructure. This flood protection infrastructure is the responsibility of the Nicomen Island Improvement District (NIID). In 2015 the Ministry of Agriculture retained Golder Associates Ltd. (Golder) to undertake a study of the flood vulnerability of the existing NIID infrastructure and provide mitigation options to reduce the risk.

As a result, in March 2017 the Ministry of Forests, Lands and Natural Resource Operations (MFLNRO) and Ministry of Transportation and Infrastructure (MOTI) signed into a funding agreement with the Fraser Valley Regional District (FVRD) to complete the works identified in the 2015 Golder report. The FVRD is undertaking this project as NIID is a volunteer organization and does not have the resources to undertake a project of this magnitude.

This led to the forming of a Steering Committee (SC) consisting of NIID, FVRD staff, Leq'á:mel First Nation, and Area G Director Al Stobbart to collaboratively decide which works should be prioritized for improving drainage and flood protection. One item agreed upon by the SC is to construct 850m of rock armoring to protect a section of shoreline along the Fraser River that is particularly susceptible to erosion.

The design of these works was completed by Golder and previously the FVRD Board had authorized the purchase of riprap material for this project directly from a rock pit owned by NIID. The next step in the project is to secure a contractor to complete the works, which are at present scheduled for the upcoming winter.

DISCUSSION

The procurement of a contractor to construct the Nicomen Island Shoreline Protection Works was completed in a two-part process. The first part of this process was to prequalify suitable contractors through a request for qualifications posted on BCBid. Once selected, the prequalified contractors were invited to bid on the job.

For the prequalification process, interested contractors were evaluated based on previous experience with shoreline protection, working on the Fraser River, working within the instream fish window, working with indigenous communities, the project manager and superintendent/foreman they intend on assigning to the job, as well as the utilization of local First Nation labour. All told, responses from 17 interested contractors were received. Of the responses received the five that scored highest were invited to bid. Of the bids received, Jakes Construction Ltd had the lowest bid price, coming in at \$1,691,210 plus taxes. Staff have reviewed the tender from Jakes Construction Ltd and have confirmed that it meets all of the tender requirements.

COST

The estimated cost for the Nicomen Island Shoreline Protection Project is \$5.8M. This cost is inclusive of design, material supply, construction and a \$1.0M allowance for DFO habitat compensation. The total funding provided by MFLNRORD and MOTI for Nicomen Island flood protection upgrades was \$10.5M, which based on the current estimate leaves \$4.7M for other projects.

COMMENTS BY:

Tareq Islam, Director of Engineering & Community Services

Reviewed and supported.

Kelly Lownsbrough, Chief Financial Officer/ Director of Financial Services

Reviewed and supported.

Jennifer Kinneman, Chief Administrative Officer:

Reviewed and supported.