



City of North Bay Report to Council

Report No: CORP-2022-054

Date: April 8, 2022

Originator: Mary-Ann Kotylak, CPPB, CPPO
Manager of Purchasing

Karin Pratte, P.Eng.
Senior Environment & Facilities Engineer

Business Unit:
Corporate Services

Department:
Financial Services Department

Subject: Request for Proposal 2022-16 WWTP Intake Chamber Design

Closed Session: yes no

Recommendation

That City Council:

1. approves the award of a contract to R.V. Anderson Associates Limited in the amount of \$524,527.00 (plus HST) for engineering consulting services required to provide detailed design and tender documents related to a new intake chamber at the North Bay Wastewater Treatment Facility; and
2. authorizes the transfer of funds to the project as outlined in Report to Council CORP No. 2022-054.

Background

The City of North Bay Wastewater Treatment Plant (WWTP) receives and treats all sewage in the collection system for North Bay. The WWTP intake chamber receives wastewater from 3 large wastewater sewers and is also connected to the 1500mm diameter plant effluent outfall which is equipped with an overflow weir to permit emergency bypassing directly to Lake Nipissing. With the current intake chamber configuration, the wastewater collection system and plant is also at risk of flooding if the levels in Lake Nipissing rise higher than the current weir elevation.

In 2019, the high water level in Lake Nipissing put the wastewater system into an emergency situation that required mobilization of temporary pumping. City

staff are looking to re-design/replace the intake chamber in order to reduce and mitigate the risk of flooding to the collection system and WWTP. The Consultant's scope of work will include a Wastewater Plant capacity assessment, Wastewater Plant energy saving options analysis as well as Wastewater Plant intake chamber design and construction assistance.

Financial/Legal Implications

A formal bid request, which closed March 25, 2022, was administered by the Purchasing Department and was publically advertised in accordance with the City's Purchasing By-Law 2013-200. One proposal was evaluated by the Purchasing Manager, Capital Project Coordinator, Operations Manager Water and Wastewater, and the Senior Facilities & Environment Engineer. The evaluation considered experience, qualifications, response to scope of work and price.

The results are as follows:

Ranking	Company	Overall Score
1	R.V. Anderson Associates Limited	87.83

The proposal from R.V. Anderson Associates Limited met all requirements and their bid is considered fair and reasonable.

Funding for this contract is available in Capital Project No. 3825SS – Wastewater Treatment Plant – Intake Chamber Replacement which has a total budget of \$300,000. It is estimated that up to an additional \$266,000 will need to be transferred from Capital Project No. 4103SS – Wastewater Treatment Plant Expansion to Project No. 3825SS to cover the balance of the project costs including the remainder of the contract price, non-rebated HST and project management.

Corporate Strategic Plan

- Natural North and Near
- Affordable Balanced Growth
- Responsible and Responsive Government
- Economic Prosperity
- Spirited Safe Community

Specific Objectives

Maintain infrastructure across the city in a good state of repair.

Provide smart, cost effective services and programs to residents and businesses.

Options Analysis

Option 1: That City Council approves the award of a contract to R.V. Anderson Associates Limited in the amount of \$524,527.00 (plus HST) for

engineering consulting services required to provide detailed design and tender documents related to a new intake chamber at the North Bay Wastewater Treatment Facility; and authorizes the transfer of funds to the project as outlined in Report to Council CORP No. 2022-054.

Option 2: Do not award a contract. This option is not recommended because there is an increased risk of flooding due to rising Lake Nipissing levels with the current intake chamber.

Recommended Option

That City Council:

1. approves the award of a contract to R.V. Anderson Associates Limited in the amount of \$524,527.00 (plus HST) for engineering consulting services required to provide detailed design and tender documents related to a new intake chamber at the North Bay Wastewater Treatment Facility; and
2. authorizes the transfer of funds to the project as outlined in Report to Council CORP No. 2022-054.

Respectfully submitted,

Name: Mary-Ann Kotylak, CPPB, CPPO
Title: Manager of Purchasing

Name: Karin Pratte, P.Eng.
Title: Senior Environment & Facilities Engineer

We concur with this report and recommendation

Name: Domenic Schiavone
Title: Director Public Works & Parks

Name: Margaret Karpenko, CPA, CMA
Title: Chief Financial Officer /Treasurer

Name: David Euler, P.Eng., PMP
Title: Chief Administrative Officer

Personnel designated for continuance:

Name: Karin Pratte, P.Eng.
Title: Senior Environment & Facilities Engineer