



# WHISTLER

## REPORT | ADMINISTRATIVE REPORT TO COUNCIL

**PRESENTED:** April 20, 2021

**REPORT:** 21-044

**FROM:** Infrastructure Services

**FILE:** E301-01-02-03\_2021

**SUBJECT:** SEWER LIFT STATION ODOUR CONTROL UPGRADE PROJECT – CONTRACT AWARD

### COMMENT/RECOMMENDATION FROM THE CHIEF ADMINISTRATIVE OFFICER

**That** the recommendation of the General Manager of Infrastructure Services be endorsed.

### RECOMMENDATION

**That** Council award the contract for the Sewer Lift Station Odor Control Upgrade project in the amount of \$1,513,885.00 (exclusive of GST) to Drake Excavating (2016) Ltd. in accordance with their tender proposal dated March 9, 2021.

### PURPOSE OF REPORT

The purpose of this Report is to inform Council of the status of the Sewer Lift Station Odor Control Upgrade Project and procurement process, and to request approval to proceed with the contract award for the construction work in the amount of \$1,513,885.00 (exclusive of GST).

### DISCUSSION

Staff have been working with an engineering consultant since 2019 to complete the design of the Sewer Lift Station Odour Control Upgrades as recommended by our utilities team staff and as requested by the residents that reside within the adjacent neighbourhoods of the sewer lift stations. This upgrade project includes three of the Resort Municipality of Whistler's largest sewer lift stations: Spruce Grove, Crabapple, and Golden Bear Sewer Lift Stations.

The project also includes replacing end of life electrical equipment at the three lift stations. The three proposed odour control systems are consistent with the odour control system at the Wastewater Treatment plant. The system works by capturing the foul air through an HVAC system, and discharging it through a carbon media to neutralize the odour.

The project will commence in May 2021, and is scheduled to be complete by November 2021.

The project includes upgrades on the following three sanitary lift stations:

At Golden Bear Sewer Lift station a new odour control system and kiosk will be implemented. The Electrical upgrades will include replacement of all electrical equipment inside the sewer lift station building.

The Crabapple Sewer Lift Station upgrades are planned to include demolition of the existing odour

control system inside the sewer lift station building and an extension to the existing building to house the new odour control system. The electrical upgrades will include new Variable Frequency Drives (VFD) for the pumps at the sewer lift station.

The Spruce Grove Lift Station upgrades will include the demolition of the existing odour control building, and construction of a new odour control building and system. Like the Crabapple upgrade, electrical upgrades will include new VFDs for the pumps at the sewer lift station.

The 2022 budget amount for the three lift station upgrades is reserved for landscape remediation as shown in the Budget Considerations, Table 1 – Total Project Budget.

## TENDER RESULTS

The Invitation to Tender for the Sewer Lift Station Odour Control Upgrade Project was sent to the 24 qualified vendors that were successful in the December 2020 Request for Statement of Qualifications process. The tender was advertised publically between February 8 and March 9, 2021. Two non-mandatory site meetings were held for this project on February 16, 2021 with 4 contractor representatives in attendance, and on March 1, 2021 with 6 contractor representatives in attendance.

Note: All costs stated in this discussion and subsequent sections are exclusive of GST.

The procurement process resulted in a total of five tenders being submitted to complete this work. All proponents are well qualified to do the work and it is recommended that the work be awarded to the lowest bidder.

Results from the five tenders received are listed below:

TENDER RESULTS		TOTAL PRICE (EXCLUDING GST)	VARIANCE TO ENGINEERS ESTIMATE (%)
1	Drake Excavating (2016) Ltd.	\$1,515,885.00	+4
2	Coastal Mountain Excavations Ltd.	\$1,679,562.00	+15
3	Industra Construction Corp.	\$1,684,127.94	+15
4	Merletti Construction (1999) Ltd.	\$2,396,500.00	+64
5	HANNA Infrastructure Ltd.	\$2,678,104.00	+83
	<b>Engineer's Estimate (PBX Engineering)</b>	<b>\$1,460,160.64</b>	

## POLICY CONSIDERATIONS

### Official Community Plan

#### Goals, Objectives and Policies

**12.2.1.** Objective: Maintain and develop sewer systems to service planned development in a

manner that is compatible with environmental sensitivities of Whistler's natural areas, meets regulatory obligations and sets standards consistent with Whistler's move toward sustainability.

**12.2.1.1. Policy:** Maintain a sewage collection and treatment system that transports and treats sufficient wastewater quantities for current and planned future development, and ensures discharge quality meets or exceeds the Operational Certificate issued by the B.C. Ministry of Environment & Climate Change Strategy.

### **Other Relevant Policies**

Council Policy F-29: *Procurement Policy* and Administrative Procedure D-1: *Procurement* require Council approval for any contracts over the value of \$500,000. The purpose of this Report is to seek Council's approval for the contract award in accordance with this policy and procedure.

### **BUDGET CONSIDERATIONS**

The current approved budget for the Sewer Lift Station Upgrades draws on the following project codes; E301-01 Crabapple Sewer Lift Station, E301-02 Spruce Grove Sewer Lift Station, and E301-03 Golden Bear Sewer Lift Station. Shown below in Table 1 are the total project costs and budget.

The breakdown of the tender result per lift station and budget comparison are shown below in Table 2 – Drake Excavating Tender Results and Budget Comparison. Two of the three projects exceed the engineers cost estimate by less than 20 percent and, all three project tender costs are below the 2021 budget.

Table 1 – Total Project Budget

BUDGET CODE NUMBER & NAME	DESIGN BUDGET (2019-2020)	2021 BUDGET	2022 BUDGET	TOTAL
E301-01 – Crabapple Sewer Lift Station	\$100,000	\$500,000	\$25,000	<b>\$625,000</b>
E301-02 Spruce Grove Sewer Lift Station	\$100,000	\$1,000,000	\$25,000	<b>\$1,125,000</b>
E301-03 Golden Bear Sewer Lift Station (Nicklaus North)	\$100,000	\$500,000	\$25,000	<b>\$625,000</b>
<b>TOTAL</b>	<b>\$300,000</b>	<b>\$2,000,000</b>	<b>\$75,000</b>	
<b>TOTAL BUDGET</b>				<b>\$2,375,000</b>

Table 2 – Drake Excavating Ltd. Tender Results and Budget Comparison

BUDGET CODE NUMBER AND NAME	2021 BUDGET	ENGINEERS COST ESTIMATE	DRAKE EXCAVATING TENDER (2016) LTD.	VARIANCE TENDER TO BUDGET (%)
E301-01 Crabapple Sewer Lift Station	\$500,000	\$ 303,516.84	\$ 365,120.00	+20
E301-02 Spruce Grove Sewer Lift Station	\$1,000,000	\$ 767,108.83	\$ 740,050.00	-4
E301-03 Golden Bear Sewer Lift Station	\$500,000	\$ 389,534.97	\$ 410,715.00	+5
<b>Total</b>	<b>\$2,000,000</b>	<b>\$1,460,160.64</b>	<b>\$1,515,885.00</b>	<b>+4</b>

Table 3 – Total Project Forecast

BUDGET CODE NUMBER AND NAME	DESIGN ACTUALS (2019-2020)	DRAKE EXCAVATION TENDER (2016) LTD.	CONTRACT ADMINISTRATION BUDGET	2022 BUDGET	TOTAL ESTIMATED PROJECT COST
E301-01 Crabapple Sewer Lift Station	\$69,808.20	\$365,120.00	\$57,000.00	\$25,000	\$516,928.20
E301-02 Spruce Grove Sewer Lift Station	\$69,564.60	\$740,050.00	\$61,000.00	\$25,000	\$895,614.60
E301-03 Golden Bear Sewer Lift Station	\$45,483.90	\$410,715.00	\$56,000.00	\$25,000	\$537,198.90
<b>Total</b>	<b>\$184,856.70</b>	<b>\$1,515,885.00</b>	<b>\$174,000.00</b>	<b>\$75,000</b>	<b>\$1,949,741.70</b>

## SAFETY

Drake Excavating (2016) Ltd., in addition to all RMOW vendors, will be following the recommended safety guidelines with respect to COVID-19 as set forth by the BC Provincial Health Officer and the BC Construction Safety Alliance. Their safe work procedures will be reviewed, approved and adjusted daily (as required) prior to starting work.

## **COMMUNITY ENGAGEMENT AND CONSULTATION**

RMOW staff are actively engaged with the neighbourhood residents and general public with regards to this project and its impact to the community through the Project website and Pique Newspaper advertisement. All three lift station odour control upgrades require a Development Permit, through this process Development Permit signs have been posted at each site.

## **SUMMARY**

Staff recommend Council award the contract for the Sewer Lift Station Odour Control Upgrade Project in the amount of \$1,515,885.00 (exclusive of GST) to Drake Excavating (2016) Ltd. in accordance with their tender proposal dated March 9, 2021. This project will upgrade three odour control systems within the sewer collection system, and replace end of life electrical equipment. This project is an important part of our on-going long-term sanitary sewer system asset management plan.

Respectfully submitted,

Chelsey Roberts, ASCT  
CAPITAL PROJECTS SUPERVISOR  
for  
James Hallisey, P. Eng.  
GENERAL MANAGER OF INFRASTRUCTURE SERVICES