

THE CORPORATION OF THE  
**CITY OF WHITE ROCK**  
CORPORATE REPORT



**DATE:** March 8, 2021

**TO:** Mayor and Council

**FROM:** Jim Gordon P.Eng., Director of Engineering and Municipal Operations

**SUBJECT:** 2021 Sanitary and Storm Sewer Rehabilitation Contract Awards

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**RECOMMENDATIONS**

THAT Council:

1. Receive for information the corporate report dated March 8, 2021 from the Director of Engineering and Municipal Operations Department, titled "2021 Sanitary and Storm Sewer Rehabilitation Contract Awards;"
  2. Approve the carry forward of the 2020 Sanitary I & I Reduction Program budget of \$594,000, as well as the 2020 Drainage Renew and Replacement Program budget of \$277,000;
  3. Grant advanced approval to use the 2021 Sanitary I & I Reduction Program budget of \$500,000 and the 2021 Drainage Renew and Replacement Program budget of \$400,000; and
  4. Approve the award of a contract for the trenchless storm and sanitary sewer rehabilitation to PW Trenchless Construction Inc. for \$1,073,695 (including GST).
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**EXECUTIVE SUMMARY**

The 2021 Sanitary and Storm Sewer Repair Program is an annual asset management program. The goal of storm and sanitary rehabilitation program is to be proactive, to identify problems in the sewer collection system and address or repair these problems to prevent sewer backups or over-flows.

**PREVIOUS COUNCIL DIRECTION**

| <b>Motion # &amp; Meeting Date</b> | <b>Motion Details</b>  |
|------------------------------------|--|
| 2019-308<br>July 22, 2019          | <p>THAT Council</p> <ol style="list-style-type: none"><li>1. Receives for information the corporate report dated July 22, 2019 from the Acting Director of Engineering and Municipal Operations Department titled "2019 Sanitary and Storm Sewer Rehabilitation Contract Award;" and</li><li>2. Approves the award of a contract for the trenchless storm and sanitary sewer rehabilitation to PW Trenchless Construction Inc. for \$594,150 (including GST).</li></ol> <p style="text-align: right;"><b>CARRIED</b></p> |

**INTRODUCTION/BACKGROUND**

The City has an ongoing preventive maintenance program, which identifies defects and deficiencies in the existing sewer collection system. These defects and deficiencies are then scheduled to be repaired. Depending on the urgency, these repairs may need to be addressed or fixed immediately or can be scheduled with other repairs to gain some efficiency. These repairs can be expensive, and the cost is weighed against the value of the collection system and the cost of replacing a larger quantity of sewer if the deficiency is left to deteriorate. Ongoing maintenance and rehabilitation add value to the system by maintaining capacity and extending its life. Each year a portion of the City's storm and sanitary sewer system is flushed, cleaned, and videoed to identify and locate any defects or deficiencies.

#### Request for Proposals (RFP)

The City posted an Invitation to Tender (WR21-001) on BC Bid and the City of White Rock's website on October 15, 2020, for the 2021 Sewer Repair Program: Trenchless. The Tender closed at 2:00 p.m. on November 5, 2020. The City received two (2) bids and the results are summarized below.

Table 2: Bid Summary

|    | <b>2021 Sanitary and Storm Sewer Rehabilitation: Trenchless</b> | <b>Sanitary</b> | <b>Drainage</b> | <b>Amount<br/>(Including GST)</b> |
|----|---|-----------------|-----------------|-----------------------------------|
| 1. | PW Trenchless Construction Inc.                                 | \$478,241       | \$544,326       | <b>\$1,073,695</b>                |
| 2. | Mar-Tech Underground Services Ltd.                              | \$490,994       | \$557,792       | <b>\$1,101,225</b>                |

The consulting engineer and City staff evaluated the tenders for arithmetic errors, account rates, contractor qualifications, schedule and review of bid schedule and recommended that the contract be awarded to PW Trenchless Construction Inc. for the 2021 Sanitary and Storm Sewer Rehabilitation: Trenchless project.

As the funds available in the Financial Plan in 2020 were not sufficient to enable award of the RFP in 2020, the award was deferred to 2021. Staff and the contractor are anxious to proceed with award of a contract for this work. It is proposed that approved 2020 funds be carried over into 2021 and advance approval be given for the 2021 Financial Plan Sanitary I & I Reduction Program Budget and the Drainage Renew and Replacement Program Budget.

The remaining balance of the budgets will be used towards the open cut portion of this program, at the cost of \$148,000. As this is within the department signing authority, it has not been included in this report. An additional 15% is being held as contingency if any unforeseen issues with the infrastructure are encountered on both portions of the contract.

#### FINANCIAL IMPLICATIONS

The 2021 Financial Plan identifies City funding for sewer repairs. The value of this contract, including GST is \$1,073,695. The recommended funding sources are as follows:

Table 1: Financial Plan Budget

|   | <b>2020<br/>Carried<br/>Forward</b> | <b>2021<br/>Financial<br/>Plan</b> | <b>Total<br/>Available<br/>Budget</b> |
|---|-------------------------------------|------------------------------------|---------------------------------------|
| Sanitary I & I Reduction Program budget       | \$594,000                           | \$500,000                          | <b>\$1,094,000</b>                    |
| Drainage Renew and Replacement Program budget | \$277,000                           | \$400,000                          | <b>\$677,000</b>                      |

#### LEGAL IMPLICATIONS

Not applicable.

### **COMMUNICATION AND COMMUNITY ENGAGEMENT IMPLICATIONS**

Trenchless repairs provide less traffic disruptions and therefore reduce impact on the residents and businesses. Ample notice is provided to all residents and businesses prior to work starting within their area.

### **INTERDEPARTMENTAL INVOLVEMENT/IMPLICATIONS**

Staff from Financial Services and Engineering & Municipal Operations worked together on the financial aspects of this report.

### **CLIMATE CHANGE IMPLICATIONS**

By using trenchless technologies, the City is fulfilling its commitment to the BC Climate Action Charter by reducing 75% of the greenhouse gas (GHG) emissions that would have occurred with traditional open-cut method. The GHG reduction comes from a decrease of carbon dioxide from less asphalt and concrete restoration, less equipment and tools operating on site, fewer truckloads of import fill being transported in, and less trucks of excavated material being driven out.

### **ALIGNMENT WITH STRATEGIC PRIORITIES**

The annual Sanitary and Storm Sewer Repair Program aligns with several of Council's strategic priority objectives:

- **Infrastructure**  
Provide safe, reliable, and sustainable infrastructure for the community while minimizing impacts on the environment.
- **Community**  
Manage the delivery of City services efficiently and effectively.
- **Environment**  
Reduce greenhouse gas emissions.
- **Economy**  
Improve provision of efficient and cost-effective services.

### **OPTIONS / RISKS / ALTERNATIVES**

The following alternative option is available for Council's consideration:

1. Not approve the contract; however, the potential for flooding and sanitary over-flows is likely, which would result in adverse environmental outcomes and issues, and financial implications from potential claims against the City.

### **CONCLUSION**

It is recommended to approve the carry forward of the 2020 Sanitary I & I Reduction Program and the 2020 Drainage Renew and Replacement Program budgets, while granting advanced approval to use the 2021 Sanitary I & I Reduction Program and the 2021 Drainage Renew and

Replacement Program budgets. Furthermore, approving the contract for the 2021 Sanitary and Storm Sewer Rehabilitation: Trenchless be awarded to PW Trenchless Construction Inc. in the amount of \$1,073,695 (Including GST).

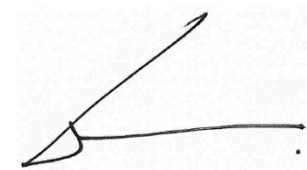
Respectfully submitted,

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Jim Gordon  
Director, Engineering and Municipal Operations Department

**Comments from the Chief Administrative Officer**

I concur with the recommendations of this corporate report.

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Guillermo Ferrero  
Chief Administrative Officer