

THE CORPORATION OF THE
CITY OF WHITE ROCK
CORPORATE REPORT



DATE: September 20, 2021
TO: Mayor and Council
FROM: Jim Gordon, Director, Engineering and Municipal Operations
SUBJECT: Contract Award - Ruth Johnson Park East Ravine Restoration

RECOMMENDATIONS

THAT Mayor and Council:

1. Receive for information the corporate report dated September 20, 2021 from the Director of Engineering and Municipal Operations, titled “Contract Award - Ruth Johnson Park East Ravine Restoration;” and
 2. Approve the award of a contract for the Ruth Johnson Park East Slope Remediation to GDM Construction Ltd. for the total tender amount of \$1,354,227 (excluding GST).
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INTRODUCTION

In January 2020, the City of White Rock experienced a record rainfall event. This event subsequently created a major landslide in the east portion of the Ruth Johnson Park ravine where the trail system connects to the dead-end roads off the 14700 block Oxford Street.

The City of White Rock hired GeoWest Engineering, a geotechnical engineering firm, to assess the damage and create a remediation plan. One of the first steps taken was to build an access road down to the slide area in the ravine. Removing the trail system leading to the slide area was necessary to install slope monitoring shafts to document and record the earth movement.

The City also immediately applied for Disaster Funding Assistance (DFA) through the Province of BC and has subsequently been working with DFA to substantiate the claim for assistance. This program is a part of the Emergency Management British Columbia program.

Once data was derived from the monitors, a repair strategy was formulated to stabilize the slope and repair the trail system. Given how extensive the damage was to the trail system, the City needed to retain an Environmental consulting firm and a Civil/Structural Engineer consulting firm in addition to the Geotechnical Engineer consultant to ensure the restoration works comply with all senior government regulations and codes.

The Environmental Consultant was hired to provide full time environmental monitoring as well as to ensure the application and notification process is followed. The Civil/Structural Engineer was necessary to design all new stairs and bridges that make up the trail system in the east side of the park.

PAST PRACTICE / POLICY / LEGISLATION

As per the City of White Rock procurement policy, Council approval is needed to award the contract to GDM Construction Ltd. in the amount of \$1,354,227 (excluding GST) for the Ruth Johnson Park East Slope Remediation.

ANALYSIS

On August 27, 2021 the City of White Rock posted a Request for Proposals (RFP) on the BC BID website. The RFP closed on September 3, 2021 and two (2) bids were received. GeoWest Engineering and City of White Rock staff analyzed the submissions and recommend awarding the contract to GDM Construction Ltd., the lowest bidder, in the amount of \$1,354,227 (excluding GST).

	Ruth Johnson Park East Slope Remediation	Amount (Excluding GST)
1.	GDM Construction Ltd.	\$1,354,227.45
2.	RTR Terra Contracting Ltd.	\$1,683,141.80

BUDGET IMPLICATIONS

The City of White Rock is approved for Disaster Funding Assistance (DFA) through the Province of BC. This program is a part of the Emergency Management British Columbia program.

The framework of the DFA allows municipalities to be eligible for 80% of the cost recovery of restoring infrastructure that was damaged during a recorded environmental event.

The trail repair portion of the project will be eligible for DFA funding as the trails are classified as infrastructure. The slope stabilization portion of the project will not be eligible for DFA funding as the slope is not classified as infrastructure. However, this work is necessary to protect the homes and city infrastructure above the slope and to ensure the area is safe for park users.

Funding of \$1.656M is available through the 2021 Financial Plan. This funding includes \$740K from DFA, \$434K in reserve funding from the cancelled Coldicutt Ravine repair project, \$278K in reserve funding for Duprez Ravine Repairs and \$204K from Capital Contingency.

Project Cost Breakdown	Budget	Cost
Ruth Johnson Park East Ravine	\$1,656,000	
Trail Repair Portion		
Consultants		\$73,000
GDM Construction – trail repair		\$853,000
15% Construction Contingency		\$128,000
Total Trail Repair Costs		\$1,054,000
Slope Stabilization Portion		
Consultants		\$26,000
GDM Construction – slope stabilization		\$501,000
15% Construction Contingency		\$75,000
Total Slope Stabilization Repair Costs		\$602,000
Total Project Cost		\$1,656,000
Eligible for DFA Funding for Trail Repair Infrastructure		
	Cost	Eligible Portion (80%)

Consultant Cost	\$73,000	\$58,000
Contractor Cost	\$853,000	\$682,000
Total	\$925,500	\$740,000

RISK MANAGEMENT

Currently the trail is closed however, many park users are trespassing and the potential risk for injury and liability is high. In the interests of public safety, the repairs should be started as soon as possible. If started in late September, work is scheduled to be completed by year end.

If the hillside is not stabilized, there is a possibility of damage to city infrastructure at the top of the slope and the homes on the edge of the ravine are in danger if the slide continues to move.

ENVIRONMENTAL/CLIMATE

This ravine is a natural setting used by many in the community to exercise and offers health benefits from being outdoors through the utilization of its many trail systems. In addition, the ravine supports the City's tree canopy and wildlife. Stabilizing the slope will reduce risk to this environment from further slides.

OPTIONS

The following option is available for Council consideration:

1. Not approve the award of the contract which would delay Ruth Johnson Park East Ravine improvements leading to further deterioration resulting in more expensive and environmentally damaging repairs, operating inefficiencies and negatively impacting the quality of life for residents.

Staff recommend approval of the award of a contract for the Ruth Johnson Park East Slope Remediation to GDM Construction Ltd. for the total tender amount of \$ 1,354,227 (excluding GST).

CONCLUSION

By completing the east portion of Ruth Johnson Park, the City will be able to safely allow visitors to enjoy trails on both the west and east side of the park. Additionally, the landslide will be repaired, and the City infrastructure will be secured at the top of the slope

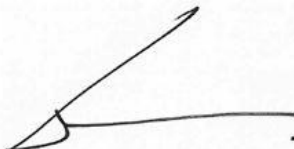
Respectfully submitted,

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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