



COUNCIL REPORT

To: Paul Gipps, CAO

Date: November 24, 2020

From: Rob Hillis, Engineering Manager

File No: 5330-20-46

Subject: **Glenrosa Road Storm and Sidewalk**

RECOMMENDATION

THAT Council direct staff to utilize previously approved funding to amend the Glenrosa Road Improvement contract to include sidewalk and the replacement of the storm drainage main on Glenrosa Road from Morningside Drive to the existing sidewalk to the south.

STRATEGIC AREA OF FOCUS

Invest in Infrastructure

BACKGROUND

The Glenrosa Road improvement project was awarded to BC General Contracting Inc. on April 14, 2020 for \$4,702,864.97. The total expected costs for the work, including land acquisition, contract administration, inspecting, geotechnical engineering, and utilities is \$6,750,000. The 2019 and 2020 Budgets included the following capital improvement projects, totaling \$8,975,000:

- Glenrosa Road Improvements, \$6,500,000
- McIver Pedestrian Improvements, \$1,100,000
- McIver Road Watermain, \$250,000
- Glenrosa Sidewalk, \$600,000
- Glenrosa Road Erosion Protection, \$250,000
- McTaggart Drainage Improvements, \$275,000

The contract allows the contractor until November 2021 to substantially complete the project as it was anticipated that the entire contract was too large to be completed in one construction season. To date, the contractor has completed the majority of Glenrosa Road Improvements, Glenrosa Sidewalk, Glenrosa Erosion Protection, and the McIver Road Watermain portions of the contract. The McIver sidewalk and McTaggart Drainage Improvements are scheduled to be completed in 2021. The contractor is on schedule and budget.

During the design process it was identified that the Glenrosa storm system was in need of improvements, both upstream and downstream of the proposed Glenrosa Road improvements. Additional projects and funding were approved in the 2020 Budget to improve the drainage system, Glenrosa Road Erosion Protection and McTaggart Road Drainage Improvements. In addition to the contracted works, there is a 285m section of 600mm diameter pipe that is undersized along Glenrosa Road from Morningside Drive to a storm crossing that leads to Walnut Glen Drive. This section is recommended to be replaced with a 1,200mm diameter storm main that will be able to convey the storm flows from the contributing area. The new main would be placed in the roadway and require the replacement of an existing curb. The curb is a rollover type curb that does not suit an arterial roadway. The curb would be replaced with a barrier type curb and sidewalk. This would provide a concrete sidewalk on both sides of Glenrosa road from the Webber roundabout to McGinnis Road, approximately 1.6 km of roadway.

The cost to add this to the contract is \$1,350,000. This cost includes all project costs (design, construction administration, inspections, testing, etc.) and the City has requested and received a change order from the contractor to consider. The pricing is coupled with a contract that the City received favorable pricing through a competitive process. By including this work in the existing contract, the City will complete a pedestrian connection to the existing sidewalk that was installed with the Webber roundabout and correct a deficiency in the drainage system. This opportunity would utilize the previously approved project funding and complete a pedestrian connection economically and expeditiously. The project is planned to be completed by November 2021.

FINANCIAL IMPLICATIONS

The Glenrosa Road improvement project was allocated the following funds:

Project	Funding	Expected Costs
Glenrosa Road Improvements	\$6,500,000	\$5,045,000
Mclver Pedestrian Improvements	\$1,100,000	\$660,000
Mclver Road Watermain	\$250,000	\$270,000
Glenrosa Sidewalk	\$600,000	\$250,000
Glenrosa Road Erosion Protection	\$250,000	\$250,000
McTaggart Drainage Improvements	\$275,000	\$275,000
Total	\$8,975,000	\$6,750,000

There was \$8,975,000 in funding allocated in the 2019 and 2020 Budgets for the construction of the Glenrosa Road Improvements and the associated projects. Current projections have the costs expected to be \$6,750,000 for the works. The additional work is expected to cost \$1,350,000 and be within the previously approved project funding.

COUNCIL REPORT / RESOLUTION HISTORY

Date	Report Topic / Resolution	Resolution No.
April 23, 2019	THAT Council authorize the Mayor and Corporate Officer to execute an agreement with Allnorth Consultants Limited for consulting services for the design of Glenrosa Road and McIver pedestrian Improvements in the amount of Two Hundred and Seventy Three Thousand, Six Hundred and Ninety Nine Dollars (\$273,699).	C176/19

REVIEWED BY

Allen Fillion, Director of Engineering & PW

Warren Everton, Director of Finance/CFO

Shelley Schnitzler, Legislative Services Manager/Corporate Officer

APPROVED FOR THE AGENDA BY

Paul Gipps, CAO

Powerpoint: Yes ☒ No ☐

Attachments: 1) Lower Glenrosa Storm-SS01
2) Lower Glenrosa Storm-SS02