



**Village of Rycroft
Request for Decision**

Council Meeting Date: April 16, 2024

TOPIC: Engineering Assignment for 51 Street Water Main Crossing

RECOMMENDED ACTION: That Council award a contract to Urban Systems Ltd. for \$60,000 for the completion of Preliminary Engineering, Detailed Design, and all work related to the acquisition of the necessary permits from both CN Rail and Alberta Transportation, as well as recommendations for re-construction for the 51 street water main line;

AND THAT Council budget \$600,000 in the 2025 Capital Budget for the re-construction of the 51 street water main line.

BACKGROUND: We requested proposals from two firms, WSP Engineering and Urban Systems Ltd., for the above project. Both are considered fully qualified firms and we are comfortable that we can work with either of them. The cost components of the proposals were very close to each other, so the remainder of the proposals became the deciding factors.

We are recommending Urban Systems Ltd. for this assignment as they are familiar with the exact scope of work in this region from having completed a similar project in 2023 in Dawson Creek. This gives us comfort that their team and expertise will match our project.

While the overall cost estimates for the construction component were quite similar, USL had a lower contingency due to their immediate knowledge of the work and the inherent costs from their recent project in our region.

The overall construction cost estimate (prior to design) is about \$460,000 plus a contingency and Engineering. The cost of the entire project will likely be in the \$600,000 range. This could be planned for in the 2025 capital budget.

We have been advised that once an application has been submitted to CN Rail, it can take up to several months to receive approval and a list of working conditions. Alberta Transportation also has an approval process for crossing their right of way. Once approved, the permits are good for one year. Therefore, we want to start this project planning now in order to be ready for the 2025 construction season.

Originally, we investigated a new technology that focussed on re-lining the water main line. After consideration, the reason this is not a practical option for us is because the repairs done in July 2024 resulted in multiple connection joints. Also, the interior of the pipe has aged mineral deposits, and parts of the exterior of the pipe have corrosion issues. All of these conditions are detrimental to the technology of the re-lining the ductile pipe.

FINANCIAL IMPLICATIONS: \$60,000 in the 2024 Capital budget, and \$600,000 in the 2025 Capital budget.

POLICY AND/OR LEGISLATIVE IMPLICATIONS: None

ALTERNATIVE OPTIONS:

1. As we need to use a registered Engineering firm, the only other option is to use a different company.
2. Council could defer the project to later years.

ATTACHMENTS: None.

Dolan Issac

Public Works Foreman

Peter Thomas

Chief Administrative Officer

April 11, 2024

Date