



TO: Mayor Chuck Barney
Members of the City Council

FROM: Dan Jonasson, Director of Public Works

DATE: 4-21-2017

SUBJECT: Sundre Raw Water Line RE-Route 4195.0 and 4195.1 bid approval

I. RECOMMENDED ACTION

1. Recommend approval of low bid for project 4195.0 sundre pipeline to Wagner Construction in the amount of \$6,992,686.00
2. Recommend approval of bid award for 4195.1 Sundre reservoir and pump station in the amount of \$6,563,330.50 to ICS Inc.
3. Authorize the Mayor to sign the bid documents

II. DEPARTMENT CONTACT PERSONS

Dan Jonasson, Director of Public Works	857-4140
Jason Sorenson, Assistant Director of Public Works	857-4132

III. DESCRIPTION

A. Background

As the City and SRJB has progressed with the design of the first three phases of flood protection. It has become apparent that a large portion of the existing fiber glass Sundre raw water line, which brings water from the sunder wellfield SE of Minot to the Water plant will need to be relocated for the flood protection. The estimated cost of relocating this line for Phase I of the flood control project alone is \$2.25 million dollars. When the Maple Diversion project is built, it is estimated that an additional \$5 Million + will be required to relocated the sunder line in that phase.

In reviewing the costs for the relocation of the sundre line, which is a 40 year old fiber glass line, with leaks and it difficult to acquire repair parts for. Staff began looking at other options, such as alternate routes to re-route the sunder line. This was approved by Council in February 2016 to proceed with this project

In discussions with the SWC and the design engineers for the NAWS project. They feel there are many benefits to re-routing the sundre line and tying it into the NAWS line. Some of the benefits include:

1. Replacing an old fiberglass line with a smaller pressure line that can be maintained and parts are available for.

- 2. Providing a mixing of ground water with the lake water prior to final treatment at the Minot Water Plant.
- 3. Provide raw water storage from the sundre field of approx. 2 million gallons, which will reduce the amount of storage needed on the line coming from the water plant at Max.

B. Proposed Project

Replacement of existing fiberglass line with a 24” pvc pressure line and pump station with reservoir

C. Bidding

Project is being designed and bid in accordance with ND bidding requirements

IV. IMPACT:

A. Strategic Impact:

This is the major raw water source for the City of Minot and NAWS system

B. Fiscal Impact:

Funding for this project was approved by City Council at the February 2016 Council meeting. The Construction Engineering in total is estimated at not to exceed \$784,650 plus additional services of \$85,000 for SCADA and electrical work.

This engineering along with the design engineering amount of \$745,300 is under the approved fee schedule which is previously approved by Council of 11%.

Engineers estimate for the two portions of the project waterline and reservoir/pump station is:

	Sundre Reservoir and pump station	\$6,356,373.00
	Sundre Pipeline	<u>\$7,303,090.00</u>
	Total	\$13,659,463.00
Bid	Sundre Reservoir and pump station	\$6,563,330.50
Bid	Sundre Pipeline	<u>\$6,992,686.00</u>
	Total	\$13,556,016.50

Funding for this project is from NAWS sales tax cash reserves. 65% of the cost will be reimbursed by the State Water commission on a future NAWS project.

V. TIME CONSTRAINTS

Council’s approval of the recommendation will allow the project to be constructed within the 2017 and early 2018 construction season. This will remove the existing Sundre line where it conflicts with Broadway bridge and Mouse River flood protection projects, allowing those to stay on schedule.

VI. LIST OF ATTACHMENTS

- A. Bid tabulation for the two portions of this project are attached.