



TO: Mayor Shaun Sipma
Members of the City Council

FROM: Dan Jonasson, Director of Public Works

DATE: August 31, 2020

SUBJECT: **ENGINEERING AMENDMENT FOR SUNDRE WATER LINE AND BOOSTER STATION AND RESERVOIR – P# 4195.1**

I. RECOMMENDED ACTION

1. Recommend approval of the Construction engineering amendment with Houston Engineering for not to exceed amount of \$9006.26.
2. Authorize the Mayor to sign the agreement

II. DEPARTMENT CONTACT PERSONS

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

III. DESCRIPTION

A. Background

As the City and SRJB progressed with the design of the first three phases of flood protection. It became apparent that a large portion of the existing fiber glass Sundre raw water line, that brings water from the sundre 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 relocate the sundre line in that phase.

In reviewing the costs for the relocation of the sundre line, which was a 40 year old fiber glass line, with leaks and a line which was difficult to acquire repair parts for, staff began looking at other options, such as alternate routes to re-route the sundre line.

In discussions with the SWC and the design engineers for the NAWS project. They felt there were 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 2-million-gallon reservoir and pump station.

C. Consultant Selection

Houston Engineering was chosen for the design and Construction engineering under the state requirements for engineering selection. Houston completed the design; project was bid in May of 2017. This amendment is for the final field construction engineering services and close out documentation for the booster station and reservoir.

IV. IMPACT:

A. Strategic Impact:

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

B. Fiscal Impact:

Engineering amendment	-	\$9,006.26
-----------------------	---	------------

Funding for this project was approved by City Council at the March 2017 Council meeting. 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. Liquidated damages for failure to complete the project by the completion date have been assessed to this project in the amount of \$25,000 to cover additional engineering and expenses.

V. ALTERNATIVES

VI. TIME CONSTRAINTS

VII. LIST OF ATTACHMENTS

- A. Houston Engineering amendment for Construction engineering services