



TO: Mayor Tom Ross
Members of the City Council

FROM: Jason Sorenson, Utilities Director

DATE: January 2, 2024

SUBJECT: UNIVERSITY AVENUE WATERMAIN IMPROVEMENTS AND WESTFIELD WATERMAIN IMPROVEMENTS – ACCEPTANCE OF STATE WATER COMMISSION GRANT (4816 & 4817)

I. RECOMMENDED ACTION

1. Approve to accept the funding awarded by the State Water Commission (SWC) for the University Ave. Watermain Improvements project and the Westfield Watermain Improvements project, and
2. Authorize the Mayor to sign both grant agreements.

II. DEPARTMENT CONTACT PERSONS

Jason Sorenson, Utilities Director 857-4768

III. DESCRIPTION

A. Background

Public Works has included in the 5-year CIP program a project to replace several blocks of aging CIP pipe along University Avenue and in the Westfield Addition neighborhood. These projects are two of many projects that will be programmed to replace more than 86 miles of old CIP pipe in the city. These areas have experienced not only discolored water, but numerous watermain breaks and lower than normal fire flows in the area. Public Works applied to the Department of Water Resources (formerly the State Water Commission) to obtain a 60% cost share for the design of this project. The DWR approved a 60% cost share for the estimated engineering cost for these projects at their December 8, 2023 meeting. When the projects have been designed, we will apply for the construction engineering and construction cost share from the DWR.

B. Proposed Project

These areas have experienced not only discolored water, but numerous watermain breaks and lower than normal fire flows in the area. The watermain in these areas of Minot is primarily cast iron pipe. The proposed projects will replace approximately 8,000 LF of existing cast iron pipe with larger 8-inch PVC pipe thus reducing breaks, reducing water quality issues, and providing adequate fire flow protection.

C. Consultant Selection

Houston Engineering was competitively selected for a master water services engineering agreement and approved by Council in September of 2022 to provide general water system design, modeling and construction services on water related projects in Minot.

IV. IMPACT:

A. Strategic Impact:

N/A

B. Service/Delivery Impact:

Replacement projects such as this will reduce the number of watermain breaks, improve water quality and improve fire flows to areas they occur in.

C. Fiscal Impact:

Project Costs

University Ave. Design Engineering Estimate	\$180,800
Westfield Addition Design Engineering Estimate	<u>\$180,800</u>
	\$361,600

This would be funded 60% by the DWR (\$216,960) and 40% (\$144,640) by a Drinking Water State Revolving Fund loan.

Project Funding

Public Works applied for a 60% cost share grant through DWR and will use a Drinking Water State Revolving Fund (DWSRF) loan for the remaining amount.

V. CITY COUNCIL ASPIRATIONS

This item achieves the aspiration of Resilient and Prepared.

VI. ALTERNATIVES

N/A

VII. TIME CONSTRAINTS

These projects are currently being designed and will be constructed during the summer of 2024.

VIII. LIST OF ATTACHMENTS

- A. University Ave. Watermain Improvement Project SWC Grant Agreement
- B. Westfield Watermain Improvement Project SWC Grant Agreement