

ITEM #:	<u>18</u>
DATE:	<u>01-23-24</u>
DEPT:	<u>PW</u>

COUNCIL ACTION FORM

**SUBJECT: 2021/22 WATER SYSTEM IMPROVEMENTS PROGRAM (US HIGHWAY 69:
S DUFF AVENUE, GRAND AVENUE)**

BACKGROUND:

The Water System Improvements program provides for replacing water mains in areas that are experiencing rusty water problems. It also provides for installing larger distribution mains in areas that have a high concentration of 4" supply lines, transferring water services from 4" water mains. Eliminating duplicate water mains, where possible, improves water flow and helps reduce rusty water. Installing larger distribution lines in areas that have a high concentration of 4" supply lines and less than desirable fire-fighting capacity (predominantly in the older areas of the community) provides larger supply quantities in relation to the current and proposed land uses.

The location for this project includes US Highway 69: S Duff Avenue (SE 5th- Lincoln Way) and Grand Ave (6th St. – Murray Dr). Work locations have been coordinated with the Iowa Department of Transportation (IDOT) to prepare for its roadway improvement project, planned to occur in the 2024 construction season. As part of the project, nine lead service lines were replaced.

On September 27, 2022, City Council awarded the contract to Synergy Contracting, LLC of Des Moines, Iowa in the amount of \$2,286,813.80. Change order No. 1 was administratively approved in the amount of \$20,600 to remove and replace an existing storm sewer structure. Change Order No. 2 (this action) is the balancing change order resulting in a net contract increase of \$40,351.71. Major items in this change order includes the follows:

- The new water main being constructed in a deeper position to prevent conflict with the existing sanitary sewer.
- Several fire hydrant extensions.
- Interior plumbing for water services connection.
- Perform water main connections at night along S. Duff to avoided disruption of water service to businesses and prevent restaurants from shutting down.
- Tree removal due to damaged tree roots.
- Additional water valves throughout the project.

The balancing change order also reflects the actual measured quantities completed during construction.

Construction was completed in the amount of \$2,347,765.51. A summary of revenue and expenses is shown below.

	<u>Available Revenue</u>	<u>Estimated Expenses</u>
2021/22 Water System Improvements Program	\$1,600,000	

Water System Improvements Carryover Funds	\$1,153,100	
Construction		\$2,347,765.51
Engineering/Administration		\$ 352,000.00
TOTAL	\$2,753,100	\$2,699,765.51

ALTERNATIVES:

1.a. Approve Change Order No. 2 an increase in the amount of \$40,351.71.

b. Accept the 2021/22 Water System Improvements Program (US Highway 69: S Duff Avenue, Grand Avenue) project as completed by Synergy Contracting LLC, of Des Moines, Iowa in the amount of \$2,347,765.51.

2. Direct staff to pursue changes to the project.

CITY MANAGER'S RECOMMENDED ACTION:

This project replaced very old water distribution infrastructure, improving water supply and quality to the neighborhoods and proving improved fire suppression capabilities. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as described above.

ATTACHMENT(S):

[21-22 Water Program Location Map.pdf](#)

[Certification Letter 2021-22 Water System Improvements US Hwy 69.pdf](#)