

ITEM #: 30
 DATE: 02-13-24
 DEPT: PW

COUNCIL ACTION FORM

SUBJECT: **SANITARY SEWER REHABILITATION - (US HWY 69)**

BACKGROUND:

This is the annual program for the rehabilitation/reconstruction of deficient sanitary sewers and deteriorated manholes at various locations throughout the city. The goal of this program is to identify and remove major sources of inflow/infiltration (I/I) as means of lowering the peak wet weather flow at the treatment plant. By eliminating I/I in these mains, the sanitary sewer system will also regain needed capacity.

On July 11, 2023, City Council awarded the contract to Jet Drain Services LLC, of Ames, Iowa in the amount of \$1,353,819. Two change orders were administratively approved by staff. Change Order No. 1 was approved in the amount of \$38,915 for additional sanitary sewer spot repair. Change Order No. 2 was approved in the amount of \$5,000 for additional traffic control at the intersection of Lincoln Way and S. Duff Ave. Change Order No. 3 (this action) is the balancing change order resulting in a net contract deduction of \$148,716.01, which reflected savings in several major work items.

These savings included:

- Granular backfill is typically used in excavating point repairs as a contingent material if existing material is not suitable for re-use. The existing material was in good condition, therefore, the contractor elected to use the existing material instead of new granular backfill.
- Reconstruction of sanitary tap: City records indicated several services along S. Duff Ave, but the contractor did not encounter as many services as anticipated.
- Removal and replacement of water services crossing: Less quantity was need during construction.
- Replacing casting/chimney masonry manhole flat top: Iowa DOT will be reconstructing all the existing manholes along US 69 with its resurfacing project in 2024; therefore, several manhole flat top replacements planned with this project were eliminated.
- Removal and replacement of 12" PCC: The contractor was able to remove less pavement area than anticipated during construction, which resulted in significant savings.

City staff and Jet Drain Services LLC were able to work together to agree on these changes that resulted in significant project cost savings. Construction was completed in the amount of \$1,249,017.99. Revenues and expenses associated with this program are as follows:

	<u>Revenue</u>	<u>Expenses</u>
Sanitary Sewer Rehab (State Revolving Fund)	\$4,050,000	
Sanitary Sewer Rehab (this project)		\$1,249,017.99
Sanitary Sewer Rehab (Est. future phases)		\$2,500,000.00
Engineering/Administration (Est.)		\$ 300,000.00
TOTAL	\$4,050,000	\$4,049,017.99

ALTERNATIVES:

1.a. Approve Change Order No. 3 a deduction in the amount of \$148,716.01.

b. Accept the Sanitary Sewer Rehabilitation - (US HWY 69) project as completed by Jet Drain Services LLC, of Ames, Iowa in the amount of \$1,249,017.99.

2. Direct staff to pursue changes to the project.

CITY MANAGER'S RECOMMENDED ACTION:

This project removed major sources of inflow/infiltration (I/I), which helps lower the peak wet weather flow at the treatment plant. Work was completed in accordance with the approved plans and specifications. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as described above.

ATTACHMENT(S):

[Project Map.pdf](#)

[Project Map 2.pdf](#)

[Certification Letter 2021-22 Sanitary Sewer Rehab US HWY 69.pdf](#)