



City Council Report

Date: August 29, 2022
To: City Council
Through: Marc Heirshberg, Deputy City Manager
From: Beth Huning, City Engineer
Marc Ahlstrom, Assistant City Engineer
Subject: Wastewater Manhole Rehabilitation Phase 13
City Project No. CP0600RE20
Council Districts Citywide

Purpose and Recommendation

The purpose of this report is to provide information to Council concerning the results of the bids received for the Wastewater Manhole Rehabilitation Phase 13 project (See Exhibit "A" for the project locations).

Staff recommends that Council award a contract for this project to the lowest responsible bidder, Local Underground Construction, LLC, in the amount of \$2,190,950.00, and authorize a change order allowance in the amount of \$219,095.00 (10%).

Background

The City of Mesa wastewater collection system has approximately 1,800 miles of pipelines and over 34,000 manholes. Preventive inspection and rehabilitation of the aging sewer system is very critical to public safety and health. The City has implemented an annual program for sewer manhole condition assessment and rehabilitation. This project will rehabilitate 125 manholes that were evaluated and recommended for rehabilitation.

Discussion

The condition assessment determines the type of rehabilitation needed for each manhole, based on the level of deterioration. The scope of work includes surface preparation, installation of corrosion resistant coating on 108 manholes, structural insert installation in 9 manholes, spot repairs of corrosion resistant coating on 7 manholes, thermoplastic lining system in 1 manhole and other work as necessary for completion of the project.

Community Impact – The majority of the manholes to be rehabilitated are located within existing streets and will require traffic control measures for various lane closures during construction activities. Work typically occurs overnight when the wastewater flows are the lowest. The work at each manhole is typically completed within four (4) to five (5) days.

Once underway, construction of this project is anticipated to last no more than 17 months.

Alternatives

An alternative to this project would be to not construct these improvements. This is not recommended because not maintaining the manholes will lead to further deterioration of the manholes and more costly repairs in the future.

Fiscal Impact

The total authorized amount recommended for this project is \$2,410,045.00, based upon the lowest responsible bid of \$2,190,950.00, plus an additional \$219,095.00 (10%) as a change order allowance. This change order allowance will only be utilized for approved change orders.

This project is funded by the Utility Replacement Extension and Renewal Fund.

Coordinated With

The Water Resources Department concurs with this recommendation.

CITY OF MESA
MESA, ARIZONA

Wastewater Manhole Rehabilitations Phase 13

PROJECT NO. CP0600RE20

Tabulation of Bids Received, Thursday, July 14, 2022, at 1:00 PM

| | |
|-----------------------------------------------------|-----------------------|
| ENGINEER'S ESTIMATE | \$2,434,390.00 |
| 1. Local Underground Construction, LLC | \$2,190,950.00 |
| 2. Hunter Contracting, CO. | \$2,397,341.00 |
| 3. Joseph Painting Company, Inc., dba JPCI Services | \$4,350,207.00 |