



City Council Report

Date: July 10, 2023
To: City Council
Through: Marc Heirshberg, Deputy City Manager
From: Beth Huning, City Engineer
Marc Ahlstrom, Assistant City Engineer
Subject: Central Mesa Interceptor Sewer Rehabilitation
City Project No. CP0956SR06
Council Districts 1, 3, and 4

Purpose and Recommendation

The purpose of this report is to provide information to Council concerning the selection of a Construction Manager at Risk (CMAR) for the proposed Central Mesa Interceptor Sewer Rehabilitation project (Refer to Exhibit “A” for the project location).

Staff recommends that Council approve the selection of Achen-Gardner as the CMAR for this project and award a Pre-Construction Services contract in the amount of \$108,750.

Background

The Central Mesa Interceptor (CMI) is a series of large diameter sewer pipes that collect wastewater from residential and commercial areas in central Mesa and sends it to the Northwest Water Reclamation Plant (NWWRP) for treatment. The CMI starts near the intersection of Gilbert Road and University Drive and is approximately 8 miles long. It conveys approximately 6 million gallons per day (MGD) in pipes ranging from 30-inches to 48-inches in diameter.

Approximately 70% of the CMI was installed in the late 1980s. Deterioration of the pipe and liner were initially documented in 2009. A later inspection in 2022 documented further deterioration of the pipe requiring repairs to maintain the safe and efficient operation of the system.

Discussion

In January of 2023, Staff received four “Statements of Qualifications” (SOQ) from contractors proposing to act as the CMAR for this project. Based on an evaluation of these SOQ’s, Achen-Gardner was recommended as the most qualified CMAR. Staff has

prepared a contract and negotiated the fee for the Pre-Construction Services effort. During the Pre-Construction Phase, the CMAR will work closely with the project team to develop the project design, review the design for constructability, prepare cost estimates, and develop the project schedule and project phasing plan.

The last item developed during the Pre-Construction Phase will be the “Guaranteed Maximum Price” (GMP) for the project. The GMP will be brought to Council for review and approval.

Community Impact – This project has six (6) distinct work areas that will have traffic restrictions in the general area of the sewer mains and manholes. Some work will occur at night to facilitate the improvements during lower flow periods. The work will be phased to minimize overall impact to the public.

Once underway, construction of this project is anticipated to last approximately 8 months.

Alternatives

An alternative to the approval of this Pre-Construction Services contract for the selected CMAR would be to construct this project using the traditional Design/Bid/Build method. This is not recommended due to the need for the additional services provided by a CMAR contractor during the design phase. The proposed Central Mesa Interceptor Sewer Rehabilitation pre-construction effort will require on-site investigation, phasing, construction sequencing, bidding and pricing by the contractor.

Another alternative is to not perform the work. This is not recommended because the sewer pipes need rehabilitation to continue conveying wastewater to the Northwest Water Reclamation Plant. If the pipes are not repaired with this current project, continued deterioration will require the pipe to be removed and replaced at a much higher cost and impact to the public. Constructing these improvements will improve the integrity and safety of the City's sewer systems, which will positively impact the City of Mesa general public.

Fiscal Impact

This pre-construction services contract is in the amount of \$108,750.

This project is funded by Utility Systems Revenue Obligations.

Coordinated With

The Water Resources Department concurs with this recommendation.