



City Council Report

Date: August 31, 2009
To: City Council
Through: Jack Friedline, Deputy City Manager
From: Elizabeth Huning, City Engineer
Subject: Desert Sands Water Line Replacement
City Project 01-559-002
Council District 6

Strategic Initiatives



Purpose and Recommendation

The purpose of this report is to provide information to the Council on the results of the bids received for the Desert Sands Water Line Replacement to replace existing water lines in a neighborhood located north of Baseline Road, south of the Superstition Freeway, from 72nd Street to 77th Street (Refer to Exhibit A for the project location map).

It is recommended that Council award this project to the low bidder, Lee's Pipelines, Inc., in the amount of \$2,215,449.50.

Background

This project is located in a residential area north of Baseline Road and south of the Superstition Freeway, from 72nd Street to 77th Street. This area's water lines are substandard (3-inch, 4-inch, and 6-inch diameter) in size and are at the end of their useful life (installed in 1969). The existing pipe in the area is older, brittle pipe material which tends to break longitudinally along the pipe. Based on the extensive water line breaks that have occurred in this type of pipe, this area is a high risk area for service outages. Additionally, the lines do not have fire hydrants. In a portion of this neighborhood west of Sossaman Road, the water lines and services are located at the rear of the lots rather than in the street right-of-way. This situation makes it difficult to access these facilities for maintenance.

This project will install approximately 24,000 linear feet of new 8-inch diameter water lines within the right-of-way and the existing water lines will be abandoned. Forty-three (43) fire hydrants will be installed to serve the neighborhood and approximately 500 existing water meters will be replaced.

Discussion

Where the existing water lines and the house service connections are at the back of 217 of the homes, new service lines are included to reconnect the existing services in the back of the houses to the new line in the street. The contractor is required to give the property owner three days' notice prior to commencing any work on their property. The residents have given the City written permission to do the work on their property and the contractor is required to restore all landscaping and irrigation systems on private property after the new water system is installed.

Community Impact – Temporary impacts to the area will include construction noise and dust. At times there may be short-term driveway access restrictions and minimal water outages. Once work is started, the project is anticipated to take nine (9) months to complete.

Alternatives

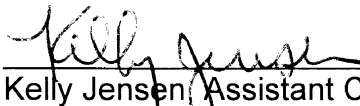
An alternative to this project would be not to replace the water mains, services, and meters, and not to add fire hydrants. This is not recommended due to the substandard water line sizes, the history of water line breaks, and the lack of fire hydrants throughout the neighborhood.

Fiscal Impact


The recommended total award amount for this project is \$2,215,449.50, based on the low bid of \$2,014,045.00 plus an additional \$201,404.50 (10% allowance for change orders). Funding is available from the approved FY 08/09 Water Bond Capital Program.

Coordinated With

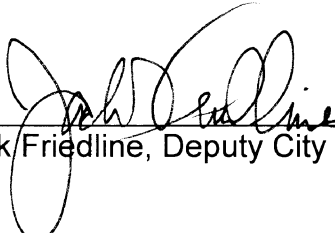
The Water Resources Department concurs with this recommendation.



Kelly Jensen, Assistant City Engineer



Elizabeth Huning, City Engineer



Jack Friedline, Deputy City Manager



EXHIBIT "A"



DATE SAVED: 8/11/09 1:\01-559-002 DESERT SANDS WL RELOCATION PH 3\CAD\COUNCIL MAP.DWG

PROJECT LOCATION MAP DESERT SANDS WATER LINE RELOCATION PROJECT NO. 01-559-002



CITY OF MESA
MESA, ARIZONA

DESERT SANDS WATER LINE REPLACEMENT – PHASE 3

PROJECT NO. 01-559-002

Tabulation of Bids Received, Thursday, August 6, 2009, at 1:00 P.M.

ENGINEER'S ESTIMATE	\$2,600,800.00
1. Lee's Pipelines, Inc.	\$2,014,045.00
2. B & F Contracting, Inc.	\$2,080,476.00
3. Visus Engineering Construction, Inc.	\$2,115,000.00
4. Spire Engineering LLC	\$2,272,850.00
5. Wheeler Construction, Inc.	\$2,327,893.25
6. JJ Sprague of Arizona, Inc.	\$2,338,435.00
7. NPL Construction Company	\$2,355,380.00
8. Shiya Strehphans Contracting Company	\$2,549,327.00
9. Petra Contracting	\$2,679,754.00
10. Arizona Pipeline Company	\$2,743,996.00
11. Summit Builders	\$2,943,590.00
12. Pierson Construction Corporation	\$2,987,975.00
13. T and T Construction, Inc.	\$3,057,603.50
14. Gunsight Construction Companies LLC	\$3,317,270.00
15. Double D Construction, Inc.	\$3,331,346.32
16. J/B Enterprises – Bid Not Read – No Bid Bond Included	
17. WGC, Inc. – Bid Rejected – Insufficient License	