



City Council Report

Date: June 4, 2014
To: City Council
Through: Kari Kent, Deputy City Manager
From: Beth Huning, City Engineer
Rob Kidder, Assistant City Engineer
Subject: High Pressure Gas Main Replacement
Attaway Road and Judd Road (City Project C04037) and
Quail Run Lane and Skyline Drive (City Project C07026)
Pinal County

Strategic Initiatives



Purpose and Recommendation

The purpose of this report is to provide information to the Council on the results of the bids recently received for the High Pressure Gas Main Replacements along Attaway Road and Judd Road (See Exhibit "A" for project location) and Quail Run Lane and Skyline Drive (See Exhibit "B" for project location).

It is recommended that the Council award this project to the lowest responsible bidder, NPL Construction Company, for a total award amount of \$1,608,251.72.

Background

The gas main within this portion of the City of Mesa's Magma gas system was originally installed in 1948 across farm fields. The gas main has been hit and damaged by farm equipment in the past, resulting in customer outages and unplanned release of natural gas. Maintenance costs for the gas main have increased resulting in the need to replace the gas main and move it to a better protected location. This gas main is also part of a major loop that serves the Magma gas system and helps provide system reliability in the event of any maintenance or requirements to shut the primary supply to the Magma gas system down for a period of time.

Discussion

The new gas main will consist of approximately 16,000 linear feet of 8-inch steel high pressure gas pipe, 9,400 linear feet of 6-inch steel high pressure gas pipe, 260 linear feet of 4-inch polyethylene gas pipe and 450 linear feet of 2-inch polyethylene gas pipe. This project will install new gas mains as follows:

C04037: Begins at Arizona Farms Road and Attaway Road, proceeds north on Attaway Road to Judd Road then proceeds west on Judd Road and ends at Quail Run Lane.

C07026: Begins at Quail Run Lane and Roberts Road, proceeds north on Quail Run Lane to Skyline Drive then continues west on Skyline Drive and ends at Camino Largo. Re-establish gas service to the Skyline Resort and RV Park.

Community Impact:

Temporary impacts to the area will include construction noise, traffic restrictions and dust. Once work is started, project completion is anticipated within two hundred and ten (210) calendar days.

Alternatives

An alternative would be to not proceed with this project and not install the gas main replacement. This is not recommended and would result in less reliability in the gas system and higher maintenance costs.

Fiscal Impact

The recommended total award is \$1,608,251.72, which consists of the lowest bid of \$1,462,047.02, plus an additional \$146,204.70 (10% allowance for change orders). This project is funded from the 2010 authorized gas bonds.

Coordinated With

The Energy Resources Department concurs with this recommendation.

**CITY OF MESA
MESA, ARIZONA**

H.P. Gas Main Replacement

Plan Set 'A'

PROJECT NO. C04037

Attaway Road from Arizona Farms Road to Judd Road

And

Judd Road from Quail Run Lane to Attaway Road

Plan Set 'B'

PROJECT NO. C07026

Quail Run Lane from Roberts Road to Skyline Drive

And

Skyline Drive from Camino Largo to Quail Run Lane

Tabulation of Bids Received, Thursday, May 29, 2014, at 2:00 P.M.

ENGINEER'S ESTIMATE	\$3,938,840.00
1. NPL Construction Company	\$1,462,047.02
2. Underground Construction Company	\$1,877,604.16
3. Team Fishel	\$2,470,547.19
4. Arizona Pipeline Company	\$3,248,630.00