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AGENDA ITEM 10i
DATE 6-22-09

City Council Report

Date: June 22, 2009
To: City Council
Through: Jack Friedline, Deputy City Manager
From: Elizabeth Huning, City Engineer
Subject: Gas Main Extension
Gantzel Road - Roberts Road to Empire Road
Pinal County

Purpose and Recommendation

The purpose of this report is to provide information to the Council on the results of the bids received for City Project No. 02-356-001, Gas Main Extension on Gantzel Road from Roberts Road to Empire Road (See Exhibit "A" for project location).

It is recommended that the Council award this project to the low bidder, NPL Construction Company for a total award of \$391,215.00.

Background

Growth in Pinal County within the City of Mesa's Magma gas system has resulted in the need for infrastructure improvements to maintain gas supply during times of peak demand. The Gas System Master Plan identified this gas main as a critical component of infrastructure required to meet the natural gas demands for the 2009/2010 heating season. This project will install a high pressure 8-inch gas main to the City's gas system in a joint trench along with a new lower pressure 4-inch gas main to the new Florence High School. These gas systems will also supply gas to new development in the area along Gantzel Road. The 4-inch line will connect a 4-inch line that was recently installed under a different project to serve the new Florence High School and will provide a secondary feed to the school for reliability. It is significantly more cost-effective to install both of the mains together in a joint trench.

Community Impact – Temporary impacts to the area will include construction noise, traffic restrictions and dust. Once work is started, project completion is anticipated within ninety (90) calendar days.

Discussion

The two new gas mains consist of approximately 10,300 linear feet of 8-inch steel high pressure gas pipe and approximately 10,300 linear feet of 4-inch polyethylene (P.E.) gas pipe installed parallel in the same trench. The 8-inch high pressure gas main will provide a critical feed from the Gantzel Road gate station (one of the City's two connections to the El Paso Natural Gas transmission main) to an existing high pressure line in Bella Vista Road serving a majority of customers in the Magma gas system.

Alternatives

An alternative would be to not proceed with this project and not install the gas main extension. This is not recommended, since the City has agreements with the school and subdivision developers to serve natural gas to this area. There may also be service outages during the heating season if the 8-inch high pressure line is not installed.

Fiscal Impact

The recommended total award is \$391,215.00, which consists of a low bid of \$355,650.00 plus an additional \$35,565.00 (10% allowance for change orders). This project is funded from the Adopted FY 09/10 Gas Bond Capital program.

Coordinated With

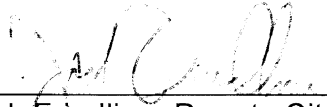
The Energy Resources Department concurs with this recommendation.



Kelly Jensen, Assistant City Engineer

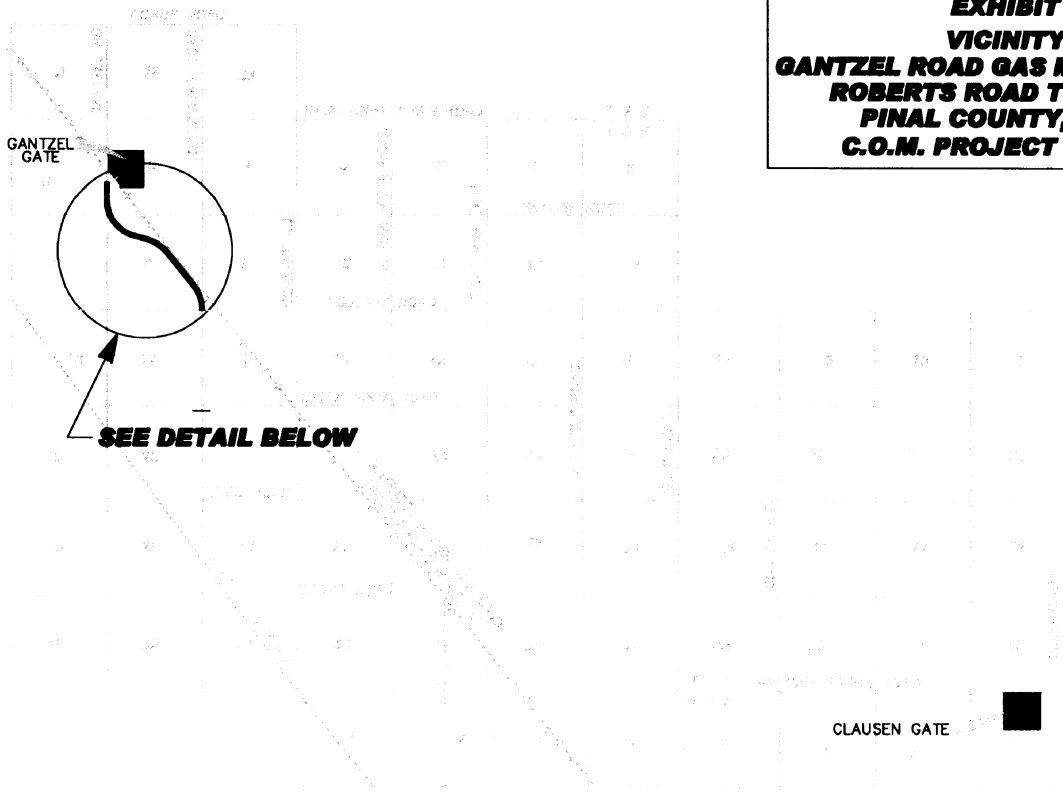


Elizabeth Huning, City Engineer



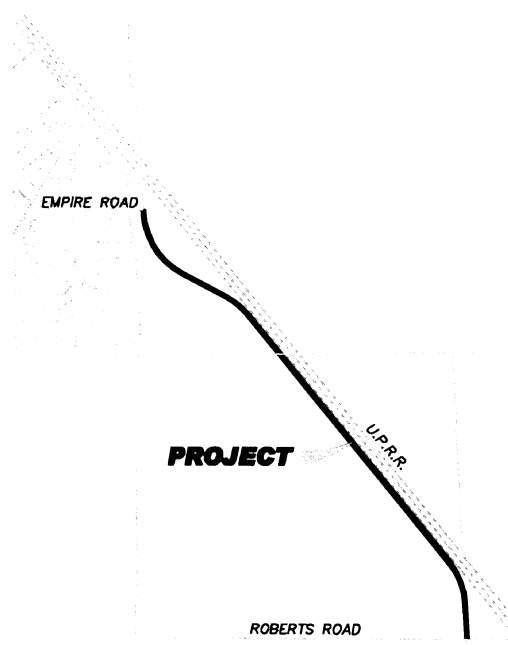
Jack Friedline, Deputy City Manager

EXHIBIT "A"
VICINITY MAP
GANTZEL ROAD GAS MAIN EXTENSION
ROBERTS ROAD TO EMPIRE ROAD
PINAL COUNTY, ARIZONA
C.O.M. PROJECT #02-356-001



VICINITY MAP

SCALE: N.T.S.



DETAIL MAP

SCALE: N.T.S.



ESPROJECT/02-356-001 GANTZEL ROAD HIGH PRESSURE GAS LINE/CAO/GANTZEL COUNCIL MAP.DWG 3/30/09

CITY OF MESA
MESA, ARIZONA

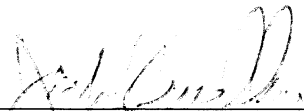
GAS MAIN EXTENSION, GANTZEL ROAD FROM ROBERTS ROAD TO
EMPIRE ROAD

PROJECT NO. 02-356-001

Tabulation of Bids Received Thursday, May 14, 2009, at 3:00 P.M.

ENGINEER'S ESTIMATE	\$501,100.00
1. NPL Construction Co.	\$355,650.00
2. Mastec North America Inc.	\$417,621.50
3. Arizona Pipeline Company	\$636,799.00

Recommend award to low bidder, NPL Construction Company, in the amount of \$355,650.00 plus an additional \$35,565.00 (10% allowance for change orders) for a total award of \$391,215.00.



Jack Friedline
Deputy City Manager