



City Council Report

Date: May 21, 2012
To: City Council
Through: Kari Kent, Deputy City Manager
From: Beth Huning, City Engineer
Rob Kidder, Assistant City Engineer
Subject: Improvements to Pasadena Pump Station and Reservoir
City Project 01-606-005
District 4

**Strategic
Initiatives**



Purpose and Recommendation

The purpose of this report is to provide information to the Council on the results of bids received for Improvements to the Pasadena Pump Station and Reservoir, (Refer to Exhibit A for the project location.) Staff recommends that Council award this project to the lowest bidder, Garney Construction, for a total award of \$6,342,875.00.

Background

The Pasadena Pump Station is one of three major pump stations that receive water from the Val Vista Water Treatment Plant and distribute it within the City Water Service Zone (City Zone), with the Pasadena site providing approximately 60% of the flow to the City Zone.

The Pasadena Pump Station and 10 million gallon reservoir were originally constructed in 1952. The original pump station was replaced in 1982, but the original reservoir remains in service today. The pump station includes ten (10) existing pumps. Several of the pumps and motors are past their useful life and need to be replaced. The reservoir floor has a history of cracking in numerous locations. Installation of a reservoir liner will provide a factor of safety against future crack development and water loss from the reservoir. In addition, major electrical equipment components are at the end of their service life, and must be replaced due to obsolete components or limited availability of replacement parts.

Discussion

This project will increase station pumping capacity the reliability and level of service of the pump station to meet existing and projected water demands in the City Water

Zone. Proposed improvements include a new electrical room, electrical and controls systems, pumps, motors and a new chlorination system. In addition, this project will install a solar-powered reservoir mixing system to improve water quality, upgrade the existing electrical systems, and site security will be improved with the installation of a card access system, gates and masonry walls. This project will also install a reservoir liner over the existing concrete floor and walls.

Community Impact

Temporary impacts to the area will include construction noise, dust and possible short term traffic restrictions for equipment deliveries. The project is anticipated to be completed within two hundred and fifty (250) calendar days. Benefits to the community once the project is completed include improved water quality and system reliability.

Alternatives

One alternative is to not upgrade the existing facilities. This is not recommended since the existing facilities do not have adequate reliability required to meet long-term water demands.

Fiscal Impact

The recommended total award amount for this project is \$6,342,875.00, based on the lowest bid of \$5,766,250.00 plus an additional \$576,625.00 (10% allowance for change orders). This project is funded from the preliminary FY 12/13 Water Bond Capital Program.

Coordinated With

The Water Resources Department concurs with this recommendation.

CITY OF MESA
MESA, ARIZONA

IMPROVEMENTS TO PASADENA PUMP STATION AND RESERVOIR

PROJECT NO. 01-606-005

Tabulation of Bids Received, Thursday, April 26, 2012, at 1:00 P.M.

ENGINEER'S ESTIMATE	\$ 5,756,975.00
1. Garney Construction	\$ 5,766,250.00
2. Blucor Contracting	\$ 6,000,170.00
3. Citywide Contracting	\$ 6,099,900.00
4. Quest Civil	\$ 6,420,420.00
5. MGC Contractors	\$ 7,372,130.00
6. Hunter Contracting	Bid Withdrawn