

**CITY OF PEORIA, ARIZONA
COUNCIL COMMUNICATIONS**

CC: AC
Amend No. _____

Date prepared: December 18, 2007

Council Meeting Date: January 15, 2008

TO: Terrence L. Ellis, City Manager
FROM: David A. Moody, P.E., Engineering Director
THROUGH: Dan Nissen, P.E., Assistant City Engineer
PREPARED BY: Geoffrey Zinnecker, P.E., Civil Engineer
SUBJECT: Lake Pleasant Parkway Sound Wall Pre-Construction Services
(Engineering Project No. P-9609G, Solicitation No. P08-0019)

RECOMMENDATION:

That Mayor and Council award a contract to J. Banicki Construction in the amount of \$43,963.00 for pre-construction services related to the construction of two sound walls along the Lake Pleasant Parkway, Parkridge and Ironwood subdivisions.

Payment will be from the Lake Pleasant Parkway Phase II Proposed GO Bond Fund Street System Account No. 4220-4220-543001-CIPST-PW00040DS.

SUMMARY:

A noise study was performed in 2001 which showed that the projected increase in noise associated with the construction of the Lake Pleasant Parkway would exceed 65 dBA in several housing areas. According to the Department of Housing and Urban Development (HUD) Noise Impact Standard, a noise level of greater than 65 dBA is normally unacceptable and qualifies for mitigation efforts. There are two developments that have been identified as requiring some work to be performed on their rear walls to lower the sound levels in the associated neighborhoods.

The first wall is north of Parkridge from 95th Avenue, west to the well site (see Exhibit A). This area includes 33 homes and requires that the existing six-foot tall, four-inch thick masonry wall be removed and replaced with a new wall that is twelve inches thick and ranges from ten feet to sixteen feet in height. The top of the wall varies as the parkway itself varies in elevation.

CITY CLERK USE ONLY:

- Consent Agenda
- Carry Over to Date: _____
- Approved
- Unfinished Business (Date heard previous: _____)
- New Business
- Public Hearing: No Action Taken

ORD. # _____ RES. # _____
LCON# 00408 LIC. # _____
Action Date: _____

The second area is the Ironwood development which is along the west side of the Lake Pleasant Parkway from Williams Road north toward the Pinnacle Peak Public Safety Administration Building (see Exhibit B). This area includes ten homes. According to City requirements, perimeter walls are to be constructed to a minimum height of eight feet, measured from the top of curb of the adjacent roadway. When the Ironwood development was constructed, the design for Lake Pleasant Parkway had not commenced. The Ironwood perimeter wall was constructed to a height of eight feet measured from ground level. However, the final elevation of the Lake Pleasant Parkway was slightly higher than originally anticipated and as a result the wall is less than eight feet measured from the top of curb. To make the wall eight feet above the finished curb, the City is recommending that the wall be raised by adding two courses of block.

The City issued a solicitation that was advertised in the Arizona Business Gazette as well as at F.W. Dodge, Bid Net, Bid Source, IMS, Shirley's Plan Service, Contractor's Plan Room and Reed Construction Data, and was posted on the Materials Management web site which resulted in thirty-three firms receiving the solicitation. Proposals were opened on October 18, 2007. A total of one firm submitted a proposal for review. J. Banicki Construction was interviewed on November 1, 2007 and selected by committee as the most advantageous and qualified Construction Manager At Risk (CM@R) to build the sound walls.

A summary of the pre-construction tasks are provided below:

1. Conduct plan reviews for constructability
2. GMP Preparation
3. Attend meetings and site visits
4. Perform testing on the existing walls and foundations

The total cost for pre-construction and construction services is estimated to be approximately \$2,500,000.00.

ATTACHMENTS:

Exhibit A – Parkridge Wall
Exhibit B – Ironwood Wall

City of Peoria GIS Map



Parkridge Sound Wall

Exhibit A

Map created with ArcIMS - Copyright (C) 1992-2002 ESRI Inc.

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City of Peoria GIS Map



