



CITY COUNCIL AGENDA REPORT



DEPARTMENT: Public Works

MEETING DATE: April 10, 2001

PREPARED BY: David Fike
Interim Director of Public Works

AGENDA LOCATION: E - 2

TITLE: Rehabilitation of Well No. 3, Booster 1-5 and Booster 2-1 – Award of Contract

OBJECTIVE: To restore well and booster pumping efficiencies and to enhance water quality.

BACKGROUND: Well No. 3 is located at 2655 South Myrtle Avenue and was originally drilled in 1946. The well casing is 20-inches in diameter and 500-feet in depth. The pump is a vertical turbine type with a 200-horse power motor and a capacity of 3,300 Gallons Per Minute.

Recent tests have shown a decline in the overall pump efficiency. Loss of efficiency over time is a normal experience; it is due to mineral deposit on the well's screen and wear and tear on the unit. The AWWA (American Water Works Association) standard for rehabilitation of a water well recommends that the rehabilitation be performed every 5 to 7 years.

The Well No. 3 Rehabilitation Project will include the following major repairs:

- Pull the motor and pump assembly and video inspect the screen and casing;
- Clean casing and screen;
- Reface tubing, straighten shaft, and replace any damaged shafts;
- Replace bearings and bowl assembly;
- Rewind motor and replace bearings;
- Video log the rehabilitation Well and re-install pump and motor.

This project also includes the rehabilitation of Booster 1-5 and Booster 2-1. The rehabilitation work for the boosters includes rewinding the motors and replacing the bearings and bowl assemblies.

ANALYSIS: On March 22, 2001, three (3) bids were received and opened by the City Clerk. The bids submitted are as follows:

1. General Pump Company (San Dimas)	\$148,370
2. Beylik Drilling (La Habra)	\$150,899
3. Tri County Pump Co. (San Bernardino)	\$191,105