

COUNCIL ACTION FORM

SUBJECT: CHANGE ORDER NO. 3 TO WATER TREATMENT PLANT FIVE-YEAR WELL REHABILITATION PROJECT

BACKGROUND:

On June 9, 2009, the Ames City Council awarded a contract to Northway Well and Pump Company of Marion, Iowa in the amount of \$55,240 to complete the rehabilitation of four drinking water wells prior to June 30, 2010. This is the third year of a renewable five-year contract. At the time of the contract award, staff indicated additional well repair work may be required in conjunction with the rehabilitation work. The extent of this work would not be known until each well is taken out of service for the rehabilitation. It was anticipated that change orders would be necessary to pay for additional repair work as the need became known. Previous change orders were as follows:

- No. 1 – A change in the required completion dates for each well done this year
- No. 2 – \$1,700 to epoxy coat the column piping in Well No. 23

Staff has now determined that a third change order is needed to complete the repairs to Well No. 22.

During the inspection of the pumping unit from Well No. 22, Northway Well and Pump Company found that the 10" x 50' column piping is deeply pitted, very thin, and needs to be replaced. The two-stage pump bowl assembly needs to be rebuilt with new bearings and wear rings to be installed. Both the pump assembly and piping will have an epoxy coating applied. Also, the stainless steel shaft, couplings, and bearing retainers will need to be replaced. Total cost for this repair work, including parts and labor, is \$10,204.30. This amount, along with the previous change order, exceeds 20 percent of the original contract and, therefore, requires approval by City Council.

The Water Treatment Plant operating budget includes \$58,200 for the well rehabilitation contract and \$61,000 for well repairs, as needed. The total amount of all change orders to date for well repairs, including this Change Order No. 3, is \$11,904.30. A total of \$49,095.70 is still available in the event additional repairs are necessary to the remaining wells to be rehabilitated in this year's contract.

ALTERNATIVES:

1. Approve Change Order No. 3 to the current year's Water Treatment Plant Well Rehabilitation Project in the amount of \$10,204.30 for repair to Well No. 22.

2. Do not approve Change Order No. 3 to the Five-year Water Treatment Plant Well Rehabilitation Project at this time and direct staff to begin planning for replacement of Well No. 22.
3. Do not approve Change Order No. 3 to the Five-year Water Treatment Plant Well Rehabilitation Project at this time and allow the capacity of the Southeast Well Field to diminish by the quantity of water available from Well No. 22

MANAGER'S RECOMMENDED ACTION:

It is in the city's best interest to maintain the capacity of the existing wells for as long as possible and postpone the need to construct new potable supply wells. Adequate funds are available in the operating budget to cover the expense of repairing Well No. 22, allowing the existing well to be returned to service.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby approving Change Order No. 3 to the current year's Water Treatment Plant Well Rehabilitation Project in the amount of \$10,204.30 for Well No. 22 to replace the column piping with new epoxy coated pipe; to replace the stainless steel line shaft, including couplings and bearings; and to repair and epoxy coat the two-stage well pump bowl assembly.