

COUNCIL ACTION FORM

SUBJECT: WATER TREATMENT PLANT WELL REHABILITATION

BACKGROUND:

On May 11, 2010 the City Council awarded a contract to Northway Well and Pump Company of Marion, Iowa in the amount of \$67,311 to complete the rehabilitation of five drinking water wells prior to June 30, 2011. This is the fourth 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 – \$4,820.99 to epoxy coat column piping and discharge head in Well No. 6, purchase line shaft and coupling, purchase base shaft and coupling, and repair pump bowl assembly
- No. 2 – \$4,405.72 to epoxy coat the column piping and discharge head in Well No. 7, purchase line shaft and coupling, purchase base shaft and coupling, and repair pump bowl assembly.

During the rehabilitation of Well No. 7, Northway Well and Pump Company found the steel casing had eroded away where it joins to the screen 80 feet below ground level. To repair this well, Northway is recommending a liner be installed within the casing, sealing off the eroded portions. Total cost of this repair is \$10,881.00. This amount, when added to the previous change orders, exceeds 20 percent of the original contract and, therefore, requires approval by Council.

The Water Treatment Plant operating budget has set aside \$70,000 for well repairs as needed. The total amount of all change orders to date for well repairs, including this Change Order No. 3, is \$20,107.71. A total of \$49,892.29 is still available in the event that additional repairs are necessary for 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 \$10,881.00 for repair to Well No. 7.

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. 7.
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 Downtown Well Field to diminish by the quantity of water available from Well No. 7.

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 to 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. 7, 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 \$10,881.00 for Well No. 7.