

AGENDA ITEM FORM

SUBJECT: Request Authorization to Issue Purchase Order for Army Post Road Aquifer Storage and Recovery Well – Flow Control Valve

SUMMARY:

- At the April 2015 Board meeting, the Board of Water Works Trustees approved and authorized execution of an Agreement, according to Chapter 28E of the Iowa Code, among the Des Moines Water Works (DMWW), the City of West Des Moines, and the West Des Moines Water Works (WDMWW) for construction of a new aquifer storage and recovery (ASR) well on old Army Post Road by the end of 2016.
- The City of West Des Moines and WDMWW will reimburse Des Moines Water Works for 100 percent of the costs associated with design and construction for the Army Post Road ASR Well facility.
- In June, the City of West Des Moines approved the award of a contract by the Board of Water Works Trustees for the 2016 Army Post Road Aquifer Storage and Recovery Well – Well House and Piping contract in the amount of \$2,235,000. This resulted in a revised total cost estimate for the project of \$4,655,000.
- At the August 2016 Board meeting, the Board authorized staff to issue a Purchase Order in the amount of \$219,882 to Gicon Pumps and Equipment for purchase of the well pump, pump motor, discharge column pipe, check valve, and pit-less unit system that will be installed in the well.
- The final major component needed to be purchased for the pumping equipment is a flow control valve. This is a specialized piece of equipment manufactured specifically for aquifer storage and recovery wells. Purchase of a flow control valve will allow injection of water from the distribution system into the aquifer and then recovery of stored water stored from the aquifer and returned to the distribution system through the same pump column pipe.
- Staff has obtained a quotation from Baski, Inc., for this specialized flow control valve in the amount of \$74,675. This price includes ancillary equipment consisting of a control panel and control valve piping/tubing. Start-up services at the project site are also included in the quoted price.
- The engineer's estimate for the flow control valve portion of the pumping equipment was \$75,000.
- Additional costs associated with equipment for the Army Post Road ASR Well include an installation contract to install all the equipment in the well estimated at \$20,000. This results in a total cost for purchasing and installing the well pump and associated equipment of \$317,000.
- The engineer's estimate for the well equipment portion of this project, prepared in December 2014, was \$300,000.
- With the cost for the well equipment portion of the Army Post Road ASR Well project determined to be \$317,000, the revised total cost estimate for the project is now \$4,672,000.

FISCAL IMPACT:

- The City of West Des Moines and WDMWW will reimburse Des Moines Water Works for 100 percent of the costs associated with design and construction of this project up to \$4,655,000.
- The balance of the remaining \$4,672,000 (i.e., \$17,000) will come from funds budgeted for other capital improvement projects in 2016 that will not be completed.

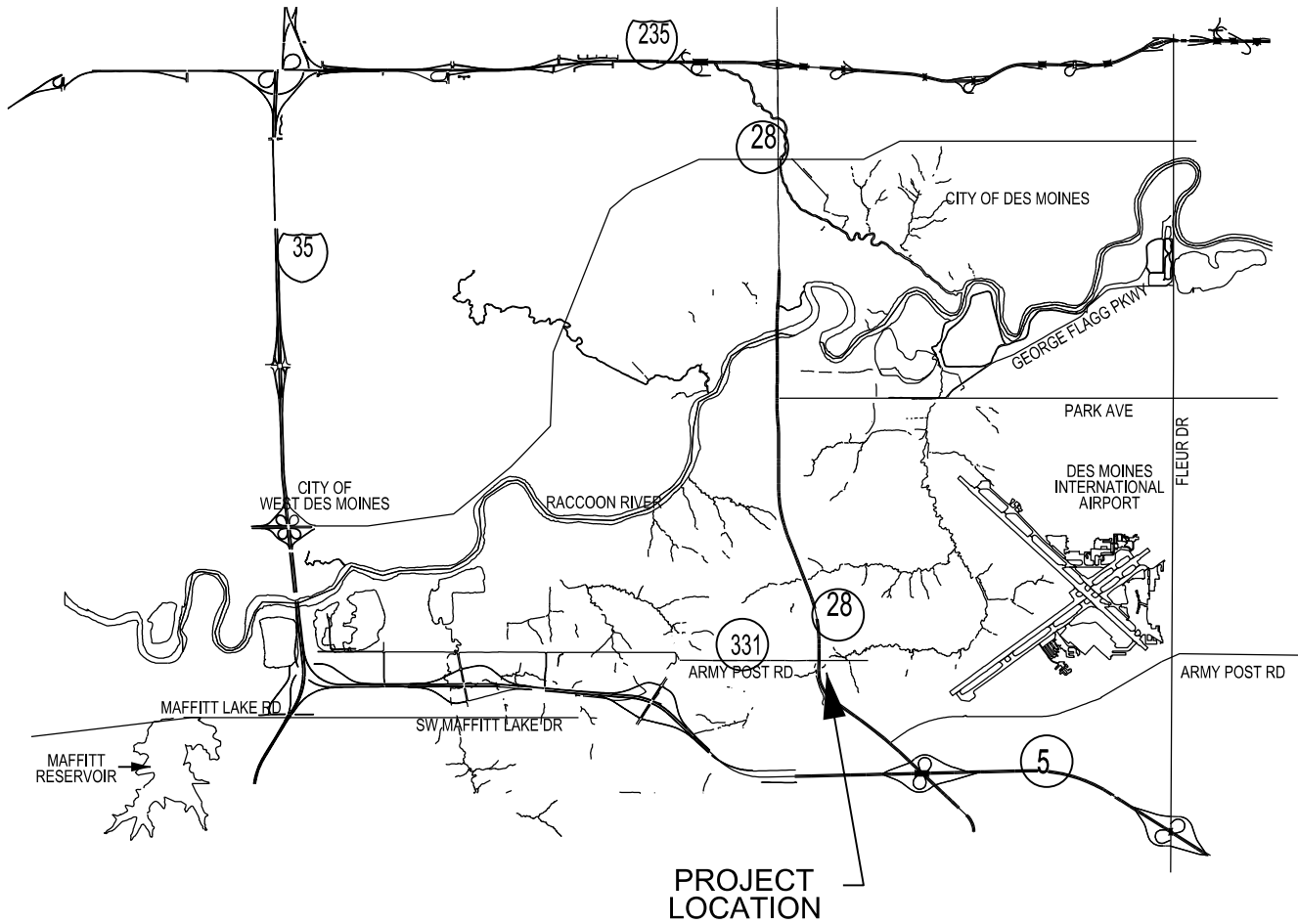
RECOMMENDED ACTION:

Authorize staff to issue a Purchase Order in the amount of \$74,675 to Baski, Inc., for purchase of the flow control valve and related equipment.

BOARD REQUIRED ACTION:

Motion to authorize staff to issue a Purchase Order in the amount of \$74,675 to Baski, Inc., for purchase of the flow control valve and related equipment.

_____ / _____ Vern Rash, P.E., L.S. (date) Project Manager	_____ / _____ Danny J. Klopfer, P.E. (date) Engineering Services Manager	_____ / _____ Ted Corrigan, P.E. (date) Chief Operating Officer
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VICINITY MAP

NOT TO SCALE

Des Moines
Water Works
 Water You Can Trust for Life
 ENGINEERING DEPARTMENT
 Des Moines, Iowa

2015 ARMY POST ROAD
 AQUIFER STORAGE AND RECOVERY WELL