



Legislation Text

File #: 21-0468, Version: 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the award of Bid 21-008, 2021 South Waterworks Improvements Phase II and Northwest Waterworks Pumps 1 and 3 Improvements, to Dahme Mechanical Industries for an amount not to exceed \$588,888, plus a 3% contingency

DEPARTMENT: Water Utilities

SUBMITTED BY: Darrell Blenniss, Director

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

In March 2020, the Water Utilities issued Bid 21-008, 2021 South Waterworks Improvements Phase II and Northwest Waterworks Pumps 1 and 3 Improvements. The project includes the following two items:

1. South Waterworks Improvements Phase II - improvements to the PAS 15B valve vault.

The PAS 15B valve vault is responsible for distributing Lake Michigan water from the DuPage Water Commission into the City's system. The vault was constructed in 1986 and continues to operate with much of the original equipment, however improvements are needed as the valves, flow meters, and pipes are showing significant signs of deterioration.

Improvements under this contract consists of replacing the existing control valves, butterfly valves, pressure gauges, pressure transmitter, sump pumps, flow meter and associated piping in the PAS 15B valve vault. Work will also include removing the existing control panel, installation of new PLCs and enclosure, replacement of the water supply and drainage pipes for three chlorine analyzers, replacement of all current lights with LED light fixtures and installation of associated electrical wires and new conduits, and PAS 15B vault and Well 16 pipes, valves, walls, floors and ceiling painting.

2. Northwest Waterworks Pumps 1 and 3 Improvements.

Water Utilities installed two new variable frequency drives (VFD) for pumps 1 and 3 this year. The two control valves on each pump were originally installed in 1986. They are not able to match the new VFD operation. Both control valves will be replaced by two check valves. In addition, associated pipes and butterfly valves will be replaced.

DISCUSSION:

Advertisement Date: 3/11/2021
Bid Opening Date: 4/09/2021

Notices Sent: 114
Planholders: 14
Proposals Received: 3

Vendors Name	Proposed Cost
Dahme Mechanical Industries	\$588,888.88
<i>Engineers Estimate</i>	<i>\$621,880.00</i>
Joseph J. Henderson & Son, Inc	\$599,000.00
Independent Mechanical	\$668,750.00

Dahme Mechanical Industries performed work for the City in the past and the work was satisfactory.

The completion date of the contract is October 31, 2021.

FISCAL IMPACT:

CIP: WU007

Repairs and rehabilitations for waterworks sites are expensed to the infrastructure account listed below, as part of the capital improvement program. A total of \$725,000 is budgeted for WU007 in 2021. The requested award is within budget.

Account Number	Fund Description	Total Budget Amount
41251500-551502	Water & Wastewater Fund	\$26,743,950

Per Council directive, contingency on construction projects is set at 3% on projects over \$500,000 and 5% on projects under \$500,000.