

## FOR BOARD ACTION

Agenda Item # 4.c.

Meeting Date:

9/27/11

**SUBJECT:** Consideration of Quotation – Willow Main Level Reservoir Repair Project

**PREPARED BY:** Doug Rovang/Cary Johnson

### ITEM DESCRIPTION:

The Willow Reservoir is located behind the old Mills Fleet Farm store site, and serves the southern portion of the main level service area.

The 1,000,000 reservoir is a fused-glass coated steel panel tank (which does not require periodic painting like our welded steel reservoirs) with a concrete foundation and floor, and an aluminum geodesic dome cover. The reservoir was constructed by Engineering America in 1987. Leakage through the reservoir concrete foundation has been observed in recent years.

Engineering America is the major representative and constructor for this type of tank in the midwest. In 2009, Engineering America was called in to evaluate the leakage and recommend repairs. Temporary repairs were made in 2010 by injecting a sealant into the foundation at the leakage locations. This somewhat reduced, but did not eliminate the leakage.

Engineering America has recommended the installation of an elastomeric liner over the existing tank interior floor, as well as other maintenance items which are due, and can be done while the reservoir is out of service. The repair work to be accomplished by Engineering America is listed on the attached quotation.

The quoted price to accomplish the Willow Reservoir repairs is \$99,500.

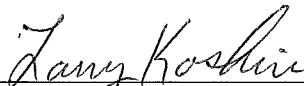
Because the project cost is between \$50,000 and \$100,000, Utility Board (but not City Council) approval is required.

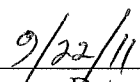
### FOR CAPITAL PURCHASES/BIDS/MAJOR PROJECTS:

Funds are available in the 2011 Water Utility water storage tank budget for this project.

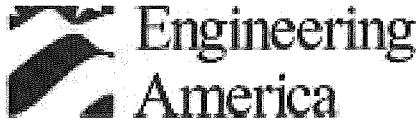
### UTILITY BOARD ACTION REQUESTED:

Management recommends that the Utility Board approve the Willow Reservoir repair project and a purchase order agreement with Engineering America, of Oakdale, Minnesota, in the amount of \$99,500.00 to accomplish the Willow Reservoir repairs as described in the related quotation dated 9/21/2011.

  
General Manager

  
Date





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**TO:** CITY OF ROCHESTER – RPU  
ATTN: MR. DOUG ROVANG  
MR. CARY JOHNSON

**BID:** TANK SERVICE & REPAIR

**DATE:** SEPTEMBER 21, 2011

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**TANK CLEANING:**

EAI TO FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT TO PRESSURE WASH & CLEAN TANK EXTERIOR WALLS OF AQUASTORE TANK. *WATER FURNISHED BY OWNER.:*

**\$ 8,355.00**

**TANK EXTERIOR RE-SEAL:**

EAI TO FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT TO REMOVE EXISTING PANEL SEALER AND REPLACE WITH NEW FACTORY POLYURETHANE SEALER:

**\$ 19,030.00**

**EXTERIOR PROTECTIVE HARDWARE COVERS:**

EAI TO FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT TO INSTALL HDPE CORROSION PROTECTIVE COVERS OVER EXTERIOR PANEL CONNECTORS:

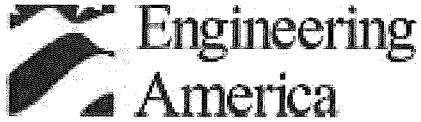
**\$ 26,582.00**

**INTERIOR POLY-PROPYLENE 45-MIL TANK FLOOR LINER:**

EAI TO FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT TO INSTALL AN NSF APPROVED POTABLE WATER 45-MIL LINER OVER THE EXISTING INTERIOR CONCRETE FLOOR. EAI TO SEAL ALL INTERIOR FLOOR PENETRATIONS AND FASTEN TO TANK WALL:

**\$ 45,533.00**

**TOTAL: \$99,500.00**



**NOTES:**

- EAI WILL RESTORE THE TANK TO THE BEST OF OUR ABILITY BUT CANNOT GUARANTEE THAT ALL STAINING WILL BE REMOVED.
- LINER CAN BE INSTALLED DIRECTLY OVER EXISTING CONCRETE FLOOR AND C.I.M COATING PREVIOUSLY INSTALLED.
- BELOW, PLEASE SPECIFY EXTERIOR PROTECTIVE CAP COLOR, SKY BLUE OR WHITE.
- 20% DUE WHEN THE ORDER IS PLACED PLEASE SIGN BELOW AND RETURN TO ENGINEERING AMERICA INC TO PROCEED.

**VALIDITY:** Price is firm for a period of thirty (30) days.

**QUALITY:** Installation service offered in the Proposal will be performed by trained personnel regularly engaged in the installation of Aquastore storage tanks as manufactured by Engineered Storage Products Co. All work will be performed in an excellent workmanship manner and in accordance with the tolerances and specifications called for by the manufacturer.

**INSURANCE:** We will provide a certificate of insurance covering our portion of the work.

After you have had an opportunity to review the above proposal and should you have questions, feel free to call me at 651-777-4041.

SINCERELY,

*ENGINEERING AMERICA, INC.*

PERRY SEIDEL  
SERVICE MANAGER

\_\_\_\_\_  
RPU REPRESENTATIVE

PROTECTIVE CAP COLOR

SKY BLUE  
 WHITE

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Oakdale, MN 55128  
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Fax: 651-777-5312  
www.engamerica.com

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www.eaiwest.com

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Fax: 480-802-7704  
www.engamerica.com



## RESOLUTION

BE IT RESOLVED by the Public Utility Board of the City of Rochester, Minnesota, to approve Willow Reservoir Repair, and to enter into a purchase order agreement with Engineering America, of Oakdale, Minnesota, for

### Willow Main Level Reservoir Repair Project

The amount of the purchase order contract to be NINETY-NINE-THOUSAND-FIVE-HUNDRED and NO/100 DOLLARS (\$99,500.00).

Passed by the Public Utility Board of the City of Rochester, Minnesota, this 27<sup>th</sup> day of September, 2011.

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President

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Secretary