



DES MOINES WATER WORKS  
Board of Water Works Trustees

Agenda Item No. III-E  
Meeting Date: June 27, 2017  
Chairperson's Signature  Yes  No

**AGENDA ITEM FORM**

**SUBJECT: Request Authorization to Solicit Bids for 2017 Fleur Drive Water Treatment Plant Ferric Chloride Storage Improvements and Establish the Date of Public Hearing as the Date of the August 2017 Board Meeting**

**SUMMARY:**

- Ferric chloride is used as a coagulant at the Fleur Drive Water Treatment Plant. Coagulants are used to cause particles to stick together forming larger particles which are more easily removed.
- In recent years, the quantity of stored ferric chloride has been insufficient, causing operations to make emergency orders to keep the tanks full.
- This project is intended to increase the quantity of stored ferric chloride at the Fleur Drive Water Treatment Plant. The project includes modification to chemical containment areas, modifications to HVAC system, replacement of existing storage tanks with larger tanks, additional storage tanks, and new chemical piping.
- Preparation of plans, specifications, and contract documents for the 2017 Fleur Drive Water Treatment Plant Ferric Chloride Storage Improvements is complete.
- The engineer's estimate is \$524,000.
- Staff recommends the Board to authorize staff to solicit bids for 2017 Fleur Drive Water Treatment Plant Ferric Chloride Storage Improvements and establish the date of Public Hearing as the date of the August 2017 Board meeting.

**FISCAL IMPACT:**

Funds for this project will come from the budget for the Coagulant Improvements work plan. Total amount of funds budgeted for this project is \$524,000.

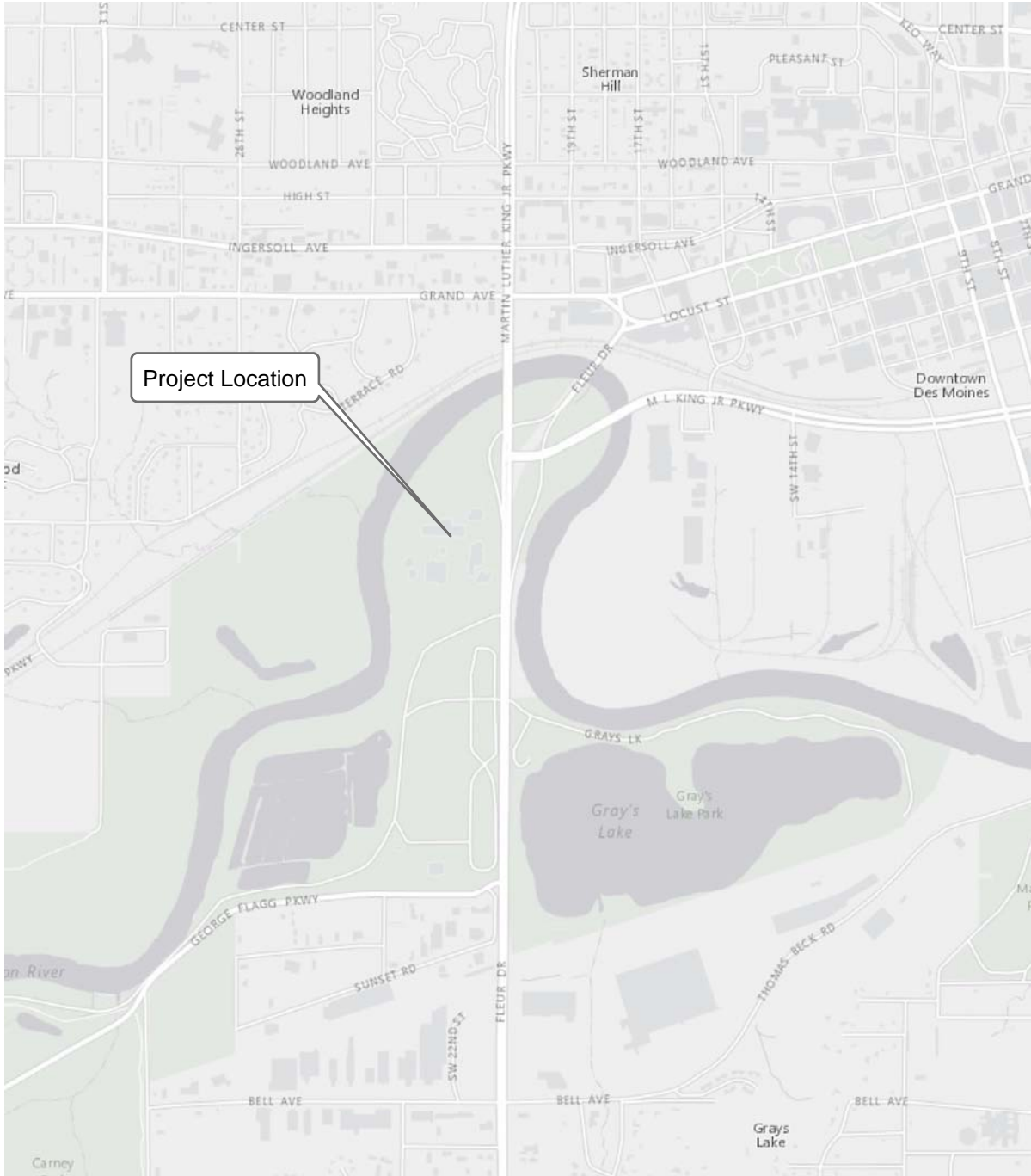
**RECOMMENDED ACTION:**

Authorize staff to solicit bids for 2017 Fleur Drive Water Treatment Plant Ferric Chloride Storage Improvements and establish the date of Public Hearing as the date of the August 2017 Board meeting.

**BOARD REQUIRED ACTION:**

Motion to authorize staff to solicit bids for 2017 Fleur Drive Water Treatment Plant Ferric Chloride Storage Improvements and establish the date of Public Hearing as the date of the August 2017 Board meeting, and direct staff to publish notice as provided by law.

_____ / _____ Nathan W. Casey, P.E. (date) Project Manager	_____ / _____ Danny J. Klopfer, P.E. (date) Engineering Services Manager	_____ / _____ William G. Stowe (date) CEO and General Manager
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Project Location



Not to Scale

**Des Moines** :  
**Water Works**  
 Water You Can Trust for Life

**2017 Fleur Drive Water Treatment Plant Ferric Chloride Storage Improvements**