

COUNCIL ACTION FORM

SUBJECT: 2010/11 WATER SYSTEM IMPROVEMENTS (WATER MAIN REPLACEMENT – SOUTH DUFF AVENUE)

BACKGROUND:

The City's annual Water System Improvements program provides for replacing water mains in areas that are experiencing rusting water problems. It also provides for installing larger distribution mains in areas that have a high concentration of 4-inch supply lines, transferring water services from 4-inch water mains in streets where larger water mains exist, and abandoning 4-inch water mains. Eliminating duplicate water mains, where possible, improves water flow and helps reduce rusty water. Installing larger distribution lines in areas that have a high concentration of 4-inch supply lines and less than desirable fire-fighting capacity (predominately in the older areas of the community) provides larger supply quantities in relation to the current and proposed land uses, in accordance with the Land Use Policy Plan.

This particular project entails placing an 8-inch water main along South Duff Avenue (from South 3rd Street to South 5th Street) to finish areas that were not repaired with the emergency work from the 2010 flood. The emergency work entailed placing 286 linear feet of water main to replace a section that was damaged during the floods. This project will complete the connection to South 3rd Street and then place new water main to South 5th Street from the ending point of the emergency project (just south of the Perkins driveway). This project will also include transferring water services to the new 8-inch water main and allow for abandonment of the 4-inch water main.

On Wednesday, September 7, 2011, bids were received as follows:

Engineer's Estimate	\$164,370.00
Great Plains Pipe & Structure	\$143,559.75
Synergy Contracting LLC	\$150,600.00
Ames Trenching & Excavating, Inc.	\$154,434.50

Engineering and construction administration costs are estimated at \$20,000. This project is being considered an urgent repair and is not currently shown in the 2010/11 Capital Improvements Plan. However, there is adequate funding available to cover the additional expense of this project utilizing the remaining portion of the \$900,000 budgeted in the Water Utility Fund for the 2010/11 program.

The 2010/2011 Water System Improvements Program includes expenses as follows:

South Duff Avenue Water Main Replacement (this bid)	\$143,559.75
South Oak Street Water Main Replacement (previous bid)	\$293,950.45
Water Service Transfers (previous bid)	\$247,488.00
Engineering and Contract Administration (all projects above)	<u>\$135,000.00</u>
TOTAL	\$819,998.20

ALTERNATIVES:

- 1a. Accept the report of bids for the 2010/11 Water System Improvements (Water Main Replacement – South Duff Avenue).
 - b. Approve the final plans and specifications for the 2010/11 Water System Improvements (Water Main Replacement – South Duff Avenue).
 - c. Award the 2010/11 Water System Improvements (Water Main Replacement – South Duff Avenue) to Great Plains Pipe & Structures of Des Moines, Iowa, in the amount of \$143,559.75.
2. Do not proceed with this project.

MANAGER'S RECOMMENDED ACTION:

This project is in an area of frequent main breaks which had a section replaced as an emergency repair during the 2010 flood. The new section is still tied to the water distribution system via older, 4-inch mains. This project will improve the reliability of the water system and improve water quality for our customers in this area.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby accepting the report of bids, approving final plans and specifications, and awarding the 2010/11 Water System Improvements (Water Main Replacement – South Duff Avenue) to Great Plains Pipe & Structures of Des Moines, Iowa, in the amount of \$143,559.75.