

COUNCIL ACTION FORM

SUBJECT: 2010/11 WATER SYSTEM IMPROVEMENTS (WATER MAIN REPLACEMENT)

BACKGROUND:

The annual Water System Improvements program provides for replacing water mains in areas experiencing rusting water problems. It also provides for installing larger distribution mains in areas with 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 City's Land Use Policy Plan.

This particular project entailed 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 completes the connection from South 5th Street to the ending point of the emergency project.

On September 13, 2011, City Council awarded this project to Great Plains Pipe and Structure of Des Moines, Iowa, in the amount of \$143,559.75. **Although construction was substantially completed in the spring of 2012, staff has been working with the contractor since that time for proper surface restoration.** Construction was completed in the amount of \$140,091.44. One change order, a savings in the amount of \$3,468.31, was processed for this project. This change order was administratively approved by staff to balance the actual field installed quantities, as well as to assess liquidated damages for late completion in the amount of \$2,800.

Project funding was shown in the 2010/11 Capital Improvements Plan in the amount of \$900,000 from the Water Utility Fund.

The 2010/11 Water System Improvements Program includes expenses as follows:

Oak Ave Water Main Replacement (actual)	\$265,987.36
South Duff Water Main Replacement (this project)	\$140,091.44
Ash Avenue Water Service Transfers (actual)	\$195,439.58
Ash Avenue Water Main Lowering (actual)	\$ 33,651.00
Main Street Water Service Transfers (actual)	\$ 70,000.00
Toronto Area Water Main Replacement (from this acct.)	\$ 59,830.62
Engineering and Contract Administration (est.)	<u>\$135,000.00</u>
Total Program Expenses (actual)	\$900,000.00

ALTERNATIVES:

1. Accept the 2010/11 Water System Improvements (Water Main Replacement) project as completed by Great Plains Pipe and Structure of Des Moines, Iowa in the amount of \$140,091.44.
2. Direct staff to pursue modifications to the project.

MANAGER'S RECOMMENDED ACTION:

The project has now been completed in accordance with approved plans and specifications, and is within the approved budget.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby accepting the 2010/11 Water System Improvements (Water Main Replacement) project as completed by Great Plains Pipe and Structure of Des Moines, Iowa in the amount of \$140,091.44.