

COUNCIL ACTION FORM

SUBJECT: **SQUAW CREEK WATER MAIN PROTECTION PROJECT**

BACKGROUND:

Included in the 2012-2017 Capital Improvements Plan (CIP) was a program entitled Flood Response and Mitigation Projects that was funded by \$820,000 in General Obligation Bonds and \$325,000 in Storm Sewer Utility Funds. Portions of this funding were used on a flood mitigation project in Northridge Subdivision/Moore Memorial Park and for bank stabilization near Utah Drive and at another location near North Riverside. Those three projects are now complete. **The two remaining projects in this CIP program are the Trail Ridge Landslide project and the Squaw Creek Water Main Protection project (bank protection south of the Lincoln Way bridge).** Unspent local funding totaling \$628,737 has been carried forward for these projects through budget amendments.

On March 22, 2016, City Council approved a Grant Agreement with the Federal Emergency Management Agency and with Iowa Homeland Security and Emergency Management Department (HSEMD) for Phase II of the City of Ames, Squaw Creek Water Main Protection Project. Under this agreement, **FEMA and the State of Iowa will pay up to \$571,370 (85%) for this project, with the City contributing up to \$100,830 (15%).** This project has been actively pursued since the 2010 floods.

The alternative recommended in the October 2015 Phase I report to progress toward Phase II (construction) was based on a stream restoration approach utilizing integrated/bioengineering techniques. The bank stabilization technique consisted of flattening the banks, construction of terraces within the banks, utilization of revetment stone for stabilization at lower elevations (up to the terrace), and structural soil (soil filled rock) with native plantings at elevations above the terrace. The project also consisted of installing a rock flume (rip rap) downstream of the low head dam to eliminate the eddy pool contributing to the bank erosion.

On September 13, 2016, City Council awarded the construction contract to Peterson Contractors Inc. of Reinbeck, Iowa, in the amount of \$324,746.50. A balancing change order was administratively approved in the amount of \$5,971, which reflected actual field quantities installed as part of the project. **Construction was completed in the amount of \$330,717.33.**

The budget for this project is shown below:

REVENUE	Available Revenue	Actual Revenue Needed	Expenses	
Grants	\$571,370	\$376,224.73	Engineering Design & Inspection	\$111,900.00
City of Ames	\$100,830	\$ 66,392.60	Construction	\$330,717.33
Total	\$672,200	\$442,617.33	Total	\$442,617.33

ALTERNATIVES:

1. Accept the Squaw Creek Water Main Protection Project as completed by Peterson Contractors Inc. of Reinbeck, Iowa, in the amount of \$330,717.33.
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 as stated above.