

ITEM # 12
DATE 03-25-08

COUNCIL ACTION FORM

SUBJECT: TOPOGRAPHIC MAPPING / AERIAL PHOTOGRAPHY

BACKGROUND:

Mapping and Policy Support (MAPS), a joint committee between the City of Ames and Story County, will acquire new high resolution digital aerial photography in the spring of 2008. The project is part of a wider effort facilitated by the Central Iowa Orthophotography Consortium (CIOC), a regional consortium formed specifically for aerial photography acquisition to reduce costs by leveraging economies of scale. CIOC members include MAPS (Story County and City of Ames), Hamilton County, Hardin County, and the City of Nevada. The resulting increased project area helps to minimize costs associated with proposal development, quality control, and equipment mobilization. Dan Corbin, Inc. (DCI), a leading aerial photography consulting company, was retained to develop specifications and oversee the project.

Topographic and planimetric maps (e.g. building roof prints, edge of curb, sidewalk) are available at this time for an additional cost. The most recent topographic maps of the City of Ames are dated from 1954 to 1963. Updated topographic and planimetric mapping will result in decreased engineering costs, more accurate flood mapping, and provide supplemental information for the National Pollution Discharge Elimination System (NPDES) Phase II management.

The Request for Proposal document was sent to eight aerial mapping companies of which seven responded. Two firms were selected for on-site interviews using a weighted cost comparison. Kucera International of Willoughby, OH, was selected to carryout the project. The City of Ames' additional contract includes topographic mapping to produce two-foot contours of 58 square miles lying within Ames' two mile jurisdictional boundary, and planimetric mapping encompassing 25 square miles within Ames' incorporated boundary. Both mapping sets will be integrated into the City's Geographic Information System.

The total contract amount is \$67,970. This project is programmed in the budget as part of the 2007/2008 Capital Improvements Plan with financing from Road Use Tax, Water Fund, and Sanitary Sewer Fund in the amount of \$120,000.

ALTERNATIVES:

1. Accept the mapping contract with Kucera International of Willoughby, OH, for the acquisition of topographic and planimetric mapping products in the amount of \$67,970.
2. Reject the project.

MANAGER'S RECOMMENDED ACTION:

Approving the mapping contract with Kucera International for acquisition of topographic and planimetric mapping products will enable the project to be carried out in coordination with the scheduled flight to take place spring 2008. This will allow for seamless integration with updated aerial photographs.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby approving the mapping contract with Kucera International of Willoughby, OH, for the acquisition of topographic and planimetric mapping products in the amount of \$67,970.