



**Council
Communication**
Office of the City Manager

Date

July 10, 2006

Agenda Item No. 77

Roll Call No. 06-

Communication No. 06-437

Submitted by: Debra Christopher, Chief
Information Officer

AGENDA HEADING:

Authorizing the City Manager to negotiate and execute a contract with Sanborn Map Co., Inc., (Colorado Springs, CO) for the provision of a Regional Geographic Information System (GIS) Planimetric Update and GIS Maintenance Implementation Plan, not to exceed \$384,900.

SYNOPSIS:

Recommend approval for the City Manager to negotiate and execute a contract with The Sanborn Map Co., Inc. (John Copple, Chief Executive Officer, Corporate Headquarters, Colorado Springs, CO) for development of a Regional GIS Planimetric Update and Maintenance Implementation Plan. This project is intended for the development of a regional Geographic Information System, centered in Des Moines/Polk County, Iowa, and extending through the metropolitan region. The system will provide data, information and visualization tools that will enhance the ability of personnel within the region to protect critical infrastructure, respond to emergencies (both natural and man-made), and provide essential protective services to residents of the region. A Request for Proposals was issued February 16, 2006. Nineteen bid packets were mailed, and three proposals were received.

FISCAL IMPACT:

Amount: \$384,900

Funding Source: FY07 Capital Improvement Program, Municipal Improvements, Regional GIS Plan, CP043, IFT990000, BLD114, Page 23. This project is 100% grant-funded through the FY2003 Bureau of Justice Assistance Congressionally Mandated Awards Byrne Discretionary Grant.

ADDITIONAL INFORMATION:

This project is intended for the development of a regional Geographic Information System. The defined region includes all of Polk County and extends into Dallas, Madison, Warren, Story and Boone counties to the corporate city limits of Des Moines, West Des Moines, Clive, Carlisle, Urbandale, Granger and Sheldahl (616 square miles). The City of Waukee in Dallas County has existing project features and data that will be also incorporated into the regional base map at a later date (11.5 square miles). This seamless regional base map will be available for homeland security and emergency management applications such as the City of Des Moines and Polk County Sheriffs Computer Aided Dispatch (CAD) systems as well as

several other Police and Fire emergency and software applications. This base map also benefits numerous other governmental entities which depend on accurate mapping.

The contractor will produce an updated digital planimetric base map for the region. Additionally, a Regional GIS Maintenance Implementation Plan will be developed to assist Des Moines, Polk County and regional participant communities in establishing a standardized plan to maintain the updated base map features developed with this project. The project deliverables will be digital planimetric map features (building footprints, edge of pavement, bridges, parking lots and driveways) updated from the Polk County Assessors' April 2006 digital orthorectified aerial photography flight. The mapping products will be produced in ESRI geodatabase format which is the standard GIS software used within the region. Database attribution will be tied to all map features which will identify the feature type, source of data, date of compiled feature and a unique database ID which will allow features to access many property database attributes maintained by county auditor and assessors' offices (such as residential or commercial occupancy, schools, number of stories, and structure type). The project completion timeline will be approximately 6 months from the contract start date.

A Request for Proposals was issued February 16, 2006. Nineteen bid packets were mailed, and three proposals were received. The Sanborn Map Co., Inc. was selected based on seven criteria identified in the chart below.

<i>Selection Criteria</i>	<i>ASI</i>	<i>Sanborn</i>	<i>InfoTech Vargis</i>
Quality of similar work that has been provided for other public and private entities	17	37	32
Project Deliverables	15	38	33
Overall responsiveness to the RFP	18	36	31
Project approach	19	38	33
Timeliness of project completion date	22	34	32
Firm Experience	19	36	33
Overall Cost	26	27	32
Total Points	136	246	226

PREVIOUS COUNCIL ACTION(S):

Date: October 6, 2003

Roll Call Number: 03-2313

Action: Application for Federal Assistance to access grant funds for development of the Des Moines Regional Geographic Information System (GIS). ([Council Communication No. 03-498](#)). Moved by Brooks to approve. Motion Carried 5-2.

BOARD/COMMISSION ACTION(S): NONE

Date:

Roll Call Number:

Action:

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Partial payments to contractor and final acceptance of work.