



Council Communication

Office of the City Manager

Date

June 9, 2008

Agenda Item No. **56C**

Roll Call No. **08-**

Communication No. **08-327**

Submitted by: **Mike Matthes, Acting CIO**

AGENDA HEADING:

Approving purchase of Trimble GeoXT mapping grade equipment from Seiler Instrument, 6165 NW 86th Street, of Johnston, IA, Eric Seiler, CEO.

SYNOPSIS:

Recommend approval of the non-competitive purchase of Trimble Global Positioning System (GPS) survey equipment from Precision Midwest. The Information Technology and other city departments currently use Trimble survey and mapping grade equipment. Continued use of Trimble equipment will allow use of existing software, reduce the training required, and ensure compatibility with City of Des Moines existing equipment and Regional Geographic Information System (GIS).

The GeoXT GPS handheld devices are an integral part of a total system, uniquely compatible with existing city needs, and provides interoperability with current software and equipment to be cost effective.

FISCAL IMPACT:

Amount: \$ 47,650.

Funding Source: This project is 100% grant funded through the FY2003 Bureau of Justice Assistance Congressionally Mandated Awards Byrne Discretionary Grant 2003DDBX1132. FY07 Municipal Improvement, Information Technology Department, GIS, Fund CP034, ORG-IFT990000, Project BLD114 Regional GIS Plan, Page 23.

ADDITIONAL INFORMATION:

The Trimble GeoXT GPS units will allow staff to collect GIS information and perform data maintenance while in the field. The units provide accuracy within three feet but with a new technology called Wide Area Augmentation System/Service (WASS), the accuracy can be much greater. The GPSCorrect along with existing GPS Analyst software provide post processing which further improves accuracy and eliminates any inaccuracies.

The units can be used to collect location and supplemental information for traffic lights, structures on City owned property, easements, sewers, and other infrastructure assets owned and operated by the City of Des Moines.

Trimble equipment is currently in use in other City departments and regionally. Six of the units will be equally distributed among the three Public Safety Answering Points (PSAPs). The PSAPs receiving two

units each include: West Des Moines' WestCom, Polk County Sheriff, and Des Moines Police Department. The other four units will be available for loan to City departments and regional participants who have large scale projects requiring multiple field units for collection of geographical information.

PREVIOUS COUNCIL ACTION(S):

Date: April 21, 2008

Roll Call Number: 08-682

Action: Exception to procurement ordinance competitive bidding requirements for Environmental Systems Research Institute (ESRI) software and implementation training services and software for Regional Homeland Security GIS Central Repository, \$250,000. (Council Communication No. 08-208) Moved by Vlassis to adopt. Motion Carried 7-0.

Date: July 10, 2006

Roll Call Number: 06-1396

Action: Acceptance of proposal from Sanborn Map Co., Inc., (John Copple, Chief Executive Officer, Colorado Springs, CO) for a Regional Geographic Information System (GIS) Planimetric Update and GIS Maintenance Implementation Plan, and authorizing the negotiation and execution of a contract, not to exceed \$384,900. (Council Communication No. 06-437) Moved by Kiernan to approve. Motion Carried 7-0.

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

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Ongoing annual maintenance and support for licenses and hardware in use by City of Des Moines. Software maintenance will be prorated to come due in July of each year which corresponds with other ESRI maintenance renewals. Hardware renewals will come due in May of each year.

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