

**CITY COUNCIL  
COMMUNICATION:**

**03-399**

**AGENDA:**

AUGUST 11, 2003

**SUBJECT:**

NOTICE OF INTENT  
TO PURCHASE  
APPLICATION AND  
DATA INTEGRATION  
SOFTWARE FROM  
GSA CONTRACT

**TYPE:**

RESOLUTION  
ORDINANCE  
RECEIVE/FILE

**SUBMITTED BY:**

MICHAEL  
ARMSTRONG  
CHIEF INFORMATION  
OFFICER

**ITEM X-2**

**OFFICE OF THE CITY MANAGER  
CITY OF DES MOINES, IOWA**

**SYNOPSIS —**

The proposed acquisition of software will increase the ability of Information Technology (IT) Department staff to perform data and application integration, permit the development of a Geographical Information System (GIS) based data warehouse for reporting and analysis, provide Web-based reporting from enterprise applications, and enhance staff's ability to web-enable applications in a more timely manner.

**FISCAL IMPACT —**

None. Future costs will be \$173,741.75 from IT Capital Improvement Program (CIP) funds (BLD060, IFT990000).

**RECOMMENDATION —**

**Receive and file.**

**BACKGROUND —**

The IT Department currently supports more than 40 enterprise and departmental software applications. While each of these applications produces useful data, that data can only be reported in the context of the specific application that creates it. Additionally, we have a continuing need to integrate, or connect, many of those applications at the database level.

The software proposed in this acquisition constitutes an integration platform that will provide advanced tools that will allow IT staff to accomplish many of the integration activities needed without writing custom code that will require maintenance far into the future.

Among the projects already planned for this set of tools are:

- Completion of a centralized address management system that will provide high-quality addresses to at least 13 enterprise applications. The first of these systems to be activated will be the new computer-aided dispatch system.
- Integration of Stormwater and Solid Waste systems with a new billing system from Des Moines Water Works.

**CITY COUNCIL  
COMMUNICATION**

03-399

AUGUST 11, 2003

PAGE TWO

- Better integration of the City's GIS with the Iowa Department of Transportation's Linear Referencing System.
- Integration of the City's CCRS system with back-end work management systems such as Tidemark, MP2 and the forthcoming infrastructure management system.
- Development of a Web-based "portal" that will make new PeopleSoft reporting functionality available to system users.
- GIS-enabling all applications.
- Web-enabling applications such as simple permits and pet licenses, with complete integration with back-end systems.
- Development of a GIS-enabled data warehouse that will allow reporting and analysis horizontally across multiple systems (such as Public Safety, Permitting, Inspections, etc).

This is a very powerful and flexible set of tools that will increase the capabilities of the IT staff to perform sophisticated integration and reporting tasks quickly and efficiently. The ability to establish a standard platform for integration will allow us to forego substantial future costs in modifying interfaces and integration workflows required by system upgrades.

The ultimate vision for this platform is the development of a data warehouse system that will allow the user to select a parcel or building on a map and display a complete history of activity (inspections, violations, police trips, ownership changes) that has occurred at that location over a period of time. This platform will allow us to reach that goal in a number of months rather than a number of years.

Section 211 of the Federal e-Government Act of 2002 provides for "cooperative purchasing" from certain General Services Administration (GSA) contracts. Cooperative Purchasing allows state and local governments to use specific GSA schedules to make purchases. The products proposed in this acquisition are available from Federal GSA Schedule 70, which is an eligible schedule.

This is a new procurement vehicle, and a substantial amount of documentation assembly is required before we can proceed with this purchase. It is anticipated that Council will be asked to approve this purchase at its next meeting, exempting this purchase from competition using an existing provision of the Purchasing Ordinance. A modification to the ordinance providing a specific exemption for certain purchases from eligible GSA schedules will

be presented to Council at a later date.

It should be noted that additional purchases from this GSA contract may be made in the future to develop a regional GIS portal that will be funded by the Department of Homeland Security. The amount of that expenditure is not known at this time.