Purchasing Office   **Item No. 81**
RECOMMENDATION FOR COUNCIL ACTION

Subject: Authorize award, negotiation, and execution of a contract through the State of Texas Department of Information Resources cooperative purchasing program with ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC. (ESRI), Redlands, CA, for services related to development of a suite of software applications that will make up the Floodplain Information System (FIS) in an amount not to exceed $199,871.

Amount and Source of Funding: Funding is available in the Fiscal Year 2009-2010 Capital Budget of the Watershed Protection Department.

Fiscal Note: A fiscal note is attached.

For More Information: Mick Osborne, Specialist Sr. Buyer/974-2995

MBE/WBE: This Cooperative Purchase is exempt from the MBE/WBE Ordinance. This exemption is in compliance with Chapter 2-9C of the City Code (Minority Owned and Women Owned Business Enterprise Procurement Program). No subcontracting opportunities were identified; therefore, no goals were established for this contract.

This contract is for deliverables-based services related to development of a suite of software applications that will make up the Floodplain Information System (FIS).

These applications will improve the City's ability to provide floodplain-related information to the general public.

ESRI, a software development and services company providing Geographic Information System (GIS) software and geo-database management applications, has worked with the Watershed Protection Department and Communication and Technology Management (CTM) to develop a design for a floodplain information system. The conclusions of this work are documented in a "Floodplain Information System Conceptual Application Design and Implementation Document" that ESRI developed and delivered to CTM in January, 2010. Through the existing ESRI Enterprise Advantage Program, ESRI will develop a detailed design for the FIS and will provide necessary training. The scope of the contract in this request is only the development of the suite of applications that will make the FIS.

The FIS will consist of a web and a desktop component based on core ESRI technology that will streamline dissemination of flood information to the public. The web component, based on ArcGIS Server technology, will be used for interaction with the end users, while the desktop component, based on ArcGIS Desktop technology, will be used for data preparation and flood information report generation. The proposed approach separates the process of data preparation from user interaction and streamlines the user experience. It will also reduce and sometimes eliminate the need for City staff to interact with each flood information request.

FIS will provide the following high level capabilities:
-Web-based system for flood information requests from the general public and delivery of that information to them

-Web-based system for the engineering community to download flood models
-Desktop system for generation of flood information
-Desktop system for flood information request management.