

## AGENDA



Thursday, April 22, 2010

**Purchasing Office  
RECOMMENDATION FOR COUNCIL ACTION****Item No. 30**

**Subject:** Authorize award, negotiation, and execution of a 12-month contract with MWH SOFT AMERICAS INC., Fort Worth, TX, for the purchase of hydrologic and hydraulic modeling software, training, and maintenance in an amount not to exceed \$125,505.

**Amount and Source of Funding:** Funding in the amount of \$90,505 is available in the Fiscal Year 2009–2010 Capital Budget of the Watershed Protection Department. Funding for the remaining seven months of the original contract period is contingent upon available funding in future budgets.

**Fiscal Note:** A fiscal note is attached.

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

**Purchasing Language:** Sole Source.

**MBE/WBE:** This contract will be awarded 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 solicitation.

This contract is for the purchase of MWH's predictive software package, InfoWorks, which is an advanced hydrologic and hydraulic modeling software that will allow analysis of the City's numerous undersized storm drain systems and creek flood hazard areas. The Watershed Protection Department (WPD) Master Plan identified, as a high priority, the need to reduce the impacts of flooding to Austin's citizens. The software package provides the WPD Local Flood Hazard Mitigation (LFHM) and Creek Flood Hazard Mitigation (CFHM) programs with tools to better quantify the impacts of flooding and the resulting benefits of proposed Capital Improvement Projects (CIP). The InfoWorks software will increase the level of detail regarding the number of properties at risk of flooding. InfoWorks software will also aid in the verification of known and possible creek flooding in areas with complex modeling needs and help prioritize creek flooding CIP projects to provide the most benefit to the public.

This purchase also includes comprehensive training on the software, as well as one year of maintenance and support. The purchase of additional licenses and maintenance in an estimated amount of \$35,000 is planned for Fiscal Year 2010/2011.

Infoworks SD (Stormdrain) with the Infoworks 2D option and Infoworks RS (River Systems) with the Infoworks 2D option is the only known software that combines 1) modeling of stormwater flows in complex real-world environments; 2) hydrologic modeling for approximating stormwater runoff; 3) hydraulic modeling for approximating water surface elevations in open channels; 4) hydraulic modeling for approximating water surface elevations in closed conduits; and 5) setting of individual user settings at the storm drain inlet (catchment) level. Furthermore, the software integrates with Global Information System, providing a unique package that provides a comprehensive tool for evaluating localized and creek flooding issues.

The software is considered by staff to be the best solution for the City's needs because it incorporates dynamic modeling features that best mimic actual inlets, surcharges, and overland flow conditions. In

addition, the software includes advanced tools to model complex creek flooding situations, and allows localized flooding to be integrated with creek flooding as required. It also provides the most stable models capable of future manipulation by staff and consultants as various capital improvements are installed.

A related InfoWorks product is being used by the Austin Water Utility to develop a master plan for the City's sanitary sewer system.

InfoWorks is a proprietary product of MWH Soft Americas and training and maintenance can only be provided by MWH Soft Americas.