

AGENDA



Thursday, March 10, 2011

**Purchasing Office
RECOMMENDATION FOR COUNCIL ACTION****Item No. 17**

Subject: Authorize negotiation and execution of a six-month Interlocal Agreement with the Capital Area Council of Governments (CAPCOG) for aerial laser measurement services and other geographic information systems related data for high-resolution elevation data and contours through an existing contract between CAPCOG and Sanborn Map Company, Inc., in an amount not to exceed \$350,000.

Amount and Source of Funding: Funding in the amount of \$250,000 is available in the Fiscal Year 2010-2011 Operating Budget of the Financial and Administrative Services Department, Communication and Technology Management. Funding in the amount of \$100,000 is available in the Fiscal Year 2010-2011 Capital Budget of the Watershed Protection Department.

Fiscal Note: A fiscal note is attached.

For More Information: Mick Osborne, 974-2995; Philip Campman, 974-6314

MBE/WBE: This Interlocal Agreement 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 Interlocal Agreement between the City of Austin and Capital Area Council of Governments (CAPCOG) will be for aerial laser measurement services to acquire approximately 1050 square miles of Light Detection and Ranging (LiDAR) data with high vertical accuracy in the Austin area.

LiDAR is a remote sensing technology that measures reflected light in order to determine the elevation of the ground much more quickly and accurately than older aerial photography-based technologies. The LiDAR data will be acquired through CAPCOG's GeoMap project, which has contracted with Sanborn Map Company Inc. to conduct the LiDAR survey.

The data will be delivered in a digital format, which will be shared by all departments working on Geographic Information Systems (GIS) related projects, including but not limited to Austin Energy, Austin Water Utility, Watershed Protection, Austin Transportation Department, Contract and Land Management, and Planning and Development Review. This data is designed to meet the immediate needs of the City's strategic initiatives for homeland security, public safety, infrastructure management, land development activities, and quality of life.

The new LiDAR data will update existing LiDAR data from 2003 and 2007 with more current and accurate information that will allow for the generation of 2' contours, digital elevation models, and terrains. This new data will be available to all users within the City and the public at large. The LiDAR data will support such work as site checks, impervious cover analysis, vegetation and tree canopy analysis, drainage review and fee determination, watershed boundary determination, floodplain modeling and analysis, water quality modeling and analysis, solar panel placement analysis, site planning, and general land use change analysis. Various work groups can locate, reference, or verify mapped and unmapped features using the new LiDAR data.

Since the last purchase of these services and data, there have been many changes in the Austin area, including the completion of the toll roads, and proposed activities such as Formula 1 Racing. Acquiring updated information will improve decision making and will reduce staff time, travel and funds spent on field checks, information gathering, and surveys.