



## Legislation Text

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**File #: 080993., Version: 0**

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### **Purchase of Additional Laser Imaging Detection and Ranging (LiDAR) data from Program Data Solutions (B)**

**This item is a request for the purchase of additional LiDAR data from a Florida Division of Emergency Management contract in order to facilitate a number of water management program activities in Gainesville and its surrounding areas and is a contract for add-on services to a previously approved project.**

The Florida Division of Emergency Management (FDEM) has established standards for acquiring data necessary to enhance available computer-modeling analysis for use in Regional Evacuation Studies (RES) that assist disaster response personnel in understanding threats to Florida's citizens and visitors. Contractors have been selected to provide project/program management-related services for collection of aerial data such as LiDAR and associated orthophotography, post-processing of data, and populating updated elevation data for use with coastal surge modeling tools. FDEM is allowing other governmental agencies to "piggyback" onto the competitive procurement of FDEM for these services.

The Public Works Department previously "piggybacked" on one of the FDEM contracts to capture LiDAR data for: 1) updating flood plain mapping, 2) updating Watershed Management Plans, 3) developing Basin Management Action Plan alternatives, 4) providing enhancements to the National Pollutant Discharge and Elimination System Program, and 5) to facilitate forecasting of environmental impacts associated with land development proposals. The Department is now seeking an additional "piggyback" to include an additional 25.55 square miles in the project. This project is part of the Total Maximum Daily Load program which the Department administers for the City, Alachua County and the Florida Department of Transportation (FDOT) according to the Third Supplement to Agreement Providing Joint Implementation of the National Pollutant Discharge Elimination System Program (Third Supplement). Under this Agreement, the City, the County, and the FDOT have agreed to work together on projects that will preserve and enhance the environmental quality of the waters of the state while protecting and promoting the public health, safety, and general welfare.

The Department previously contracted with Program Data Solutions to procure data from an area of 153.77 square miles. This project entails mapping an additional area of approximately 25.55 square miles outside of the City limits but within Alachua County. The data acquisition, processing and quality assurance will be carried out by Program Data Solutions and will cost \$49,913. The Public Works Department is making this request as administrator of the Gainesville Clean Water Partnership (established by the Third Supplement) at the request of Alachua County. If this project is approved, the Florida Department of Transportation (FDOT) will reimburse the City for the full amount of \$49,913 in fulfillment of one of its responsibilities under the Third Supplement.

Funding in the amount of \$49,913 for the contract is available in the FY 2009 Capital Improvement Plan and the Stormwater Management Utility Fund. The City will be reimbursed in full by FDOT upon successful completion of the contract.

Recommended Motion: The City Commission: 1) approve the purchase of additional LiDAR data collection, processing and quality assurance from PDS; and 2) authorize the City Manager to issue a purchase order not to exceed \$49,913, subject to review and approval by the City Attorney as to form and legality.