



## Legislation Text

---

File #: 160997., Version: 1

---

### LiDAR - Light Detection and Ranging Update (B)

**This item is to approve an expenditure of \$115,200 and request City Commission approval to accept cost share funding from St. Johns River Water Management District, Florida Department of Environmental Protection, and University of Florida.**

The City Of Gainesville high density LiDAR project is a value added enhancement to the digital orthophotography and low density LiDAR being developed for the Alachua County Property Appraiser by the Florida Department of Revenue. A hydrologic digital elevation model will be developed from the LiDAR data. The digital elevation model will be a community resource that is used to plan site and roadway improvements and utility extensions. LiDAR was last collected in the Gainesville Urban Area in 2008. Data collection technology has improved greatly since that time.

By joining with the Alachua County Digital Orthophotography Project, the City will save mobilization costs. Additional volume discounts are received by including the areas of interest (the St. Johns River Water Management District, the Florida Department of Environmental Protection, the Florida Department of Transportation, the University of Florida, and Gainesville Regional Utilities) into seamless coverage of the Gainesville Urban Area.

The total project amount is not to exceed \$115,200. The cost share contributions are available from: St. Johns River Water Management District \$16,000, Florida Department of Environmental Protection \$17,200, Florida Department of Transportation \$30,000, University of Florida \$2,000, Gainesville Regional Utilities \$20,000. The cost share from the Florida Department of Transportation is included in the Second Amendment to the Interlocal Agreement for Allocation and Implementation of the NPDES Requirements for the Orange Creek Basin Management Action Plan. The Gainesville Regional Utilities cost share contribution has been approved by management staff. The City Of Gainesville Public Works Department will administer the contract agreement and contribute \$30,000 in SMU funding. \$6,200 of the Florida Department of Environmental Protection contribution may be used for additional field surveys if needed.

The City Commission: 1) authorize the total expenditure of not to exceed \$115,200 and 2) authorize the City Manager to accept the cost share funding from the St. Johns River Water Management District, the Florida Department of Environmental Protection and the University of Florida, and to execute all related documents, subject to approval by the City Attorney as to form and legality.