



Legislation Text

File #: 180061., **Version:** 1

Hogtown Creek Professional Services Agreement (B)

This item is a request for the City Commission to approve an agreement and any related documents, for AMEC Foster Wheeler, for Professional Services for the Hogtown Creek Hydrologic and Hydraulic Simulation.

The Hogtown Creek Watershed is composed of approximately 23 square miles. Existing hydrologic and hydraulic models of the creek system were developed in the 1970's and the software used to develop the models is no longer supported. Urbanization has likely caused watershed hydrology to change overtime and the old model may not accurately reflect risk associated with contemporary flood hazards. Under this authorization modern creek models will be developed for Hogtown Creek using Gainesville's 2017 high density LiDAR and hydraulically enhanced digital elevation model.

During Hurricane Irma last year, Hogtown Creek flood waters caused damages to homes in the Florida Park and Mason Manor subdivisions. The Public Works Department has developed preliminary projects to re-build the Florida Park Levee and extend the Mason Manor Flood Wall. The modern Hogtown Creek models are needed before the project designs can be finalized.

FEMA Hazard Mitigation Grant funding has been set aside for Alachua County. Project proposals for the Florida Park and Mason Manor projects were submitted to the Alachua County Local Mitigation Ranking Taskforce. Both projects ranked high enough to be eligible to receive FEMA Hazard Mitigation Grant funding. In order to design the Florida Park Levee and the Mason Manor Flood Wall projects, the City will need to develop and utilize the modern creek models to evaluate alternate designs and associated flood risk.

AMEC Foster Wheeler is under a continuing contract with the City of Gainesville for professional services for engineering established in accordance with the Consultants Competitive Negotiation Act. A Task Assignment to develop modern Hydrologic and Hydraulic models for Hogtown Creek will be drafted upon City Commission approval of this expenditure.

The total cost of the project is \$199,934. The source of the funding will be the undesignated Stormwater Management Utility Fund balance which has an available balance of \$4,000,000.

The City Commission: 1) approve the expenditure of \$199,934.00 for the Hydrologic and Hydraulic models for Hogtown Creek; and 2) authorize the City Manager or designee to execute a Task Assignment with AMEC Foster Wheeler for this project, subject to approval by the City Attorney as to form and legality.