



# City of Pembroke Pines, FL

601 City Center Way  
Pembroke Pines, FL  
33025  
www.ppines.com

## Agenda Request Form

**Agenda Number: 12.**

**File ID:** 19-0529

**Type:** Public Improvements

**Status:** Passed

**Version:** 1

**Agenda  
Section:**

**In Control:** City Commission

**File Created:** 05/06/2019

**Short Title:** GIS Implementation

**Final Action:** 05/15/2019

**Title:** MOTION TO APPROVE THE IMPLEMENTATION OF A UTILITY GEOGRAPHIC INFORMATION SYSTEM (GIS) FOR USE AS A PLANNING, OPERATIONS MANAGEMENT AND IMPLEMENTATION MANAGEMENT TOOL TO BETTER FACILITATE THE MANAGEMENT OF THE CITY'S UTILITIES RAW WATER, POTABLE WATER, SANITARY SEWER AND EXTENSIVE DISTRIBUTION NETWORK THROUGHOUT THE CITY VIA AN AGREEMENT WITH FLORIDA TECHNICAL CONSULTANTS (FTC), LLC. UTILIZING PRICING FROM THE TOWN OF DAVIE BID #B-16-168 FOR A TOTAL AMOUNT NOT TO EXCEED \$139,740 PURSUANT TO SECTION 35.18(C)(5) OF THE CITY'S CODE OF ORDINANCES.

**\*Agenda Date:** 05/15/2019

**Agenda Number:** 12.

### Internal Notes:

**Attachments:** 1. Florida Technical Consultant LLC. (Vendor Executed), 2. Exhibit A - Town of Davie Contract - GIS Program, 3. Exhibit B - Invitation to Bid Package - Town of Davie, 4. Exhibit C - Vendor Submittal, 5. Exhibit D - Florida Technical Consultants (FTC) - Quote

1	City Commission	05/15/2019	approve	Pass
<b>Action Text:</b> A motion was made to approve on the Consent Agenda				
Aye: - 5 Mayor Ortis, Commissioner Castillo, Commissioner Schwartz, Siple, and Good Jr.				
Nay: - 0				

MOTION TO APPROVE THE IMPLEMENTATION OF A UTILITY GEOGRAPHIC INFORMATION SYSTEM (GIS) FOR USE AS A PLANNING, OPERATIONS MANAGEMENT AND IMPLEMENTATION MANAGEMENT TOOL TO BETTER FACILITATE THE MANAGEMENT OF THE CITY'S UTILITIES RAW WATER, POTABLE WATER, SANITARY SEWER AND EXTENSIVE DISTRIBUTION NETWORK THROUGHOUT THE CITY VIA AN AGREEMENT WITH FLORIDA TECHNICAL CONSULTANTS (FTC), LLC. UTILIZING PRICING FROM THE TOWN OF DAVIE BID #B-16-168 FOR A TOTAL AMOUNT NOT TO EXCEED \$139,740 PURSUANT TO SECTION 35.18(C)(5) OF THE CITY'S CODE OF ORDINANCES.

**SUMMARY EXPLANATION AND BACKGROUND:**

1. The City's Utilities Division is looking to improve operations and ensure that system components are functional, easily monitored and identified.
2. Geographic Information System (GIS) is a mapping technology that allows users to create and interact with a variety of maps and data sources. GIS has the ability to integrate databases with georeferenced spatial data.
3. GIS software licenses have already been procured for the City Police and Planning Departments. The Utilities Division will procure an additional license and work with the Technology Services Department to integrate seamlessly with other City Departments.
4. With an implemented GIS System the City will be able to effectively find water mains, valves and other features in the field in a timely manner. GIS will allow the Utilities Division to interact with the system from the field to mark locations of system updates, analyze system quantities needed for reporting and the ability to provide data to consultants required for modeling.
5. On January 4, 2017, the Town of Davie passed and adopted Resolution No. R-2017-023, approving the negotiated agreement with Florida Technical Consultants (FTC), LLC. for Continuing GIS Consulting Services for a five (5) year period beginning January 5, 2017.
6. Per Section 35.18(C)(5) of the City's Procurement Code, "Commodities or services that are the subject of contracts with the state its political subdivisions or other governmental entities including the United States government, are exempt from competitive bidding."
7. FTC will complete this project while working in two (2) separate phases.
8. Phase one (1) of this project, the building of base data and installation on the City Software Application will include the following:
  - a. Software Assistance
  - b. Data Collection
  - c. GIS Database Creation
  - d. Implement Potable Water Distribution System
  - e. Implement Sanitary Sewer Collection System

- f. Implement Raw Water Supply System
9. Phase two (2) of this project, implementing the system with City Staff will include the following:
- a. Post data to online application
  - b. Work with staff for corrections
10. FTC has provided a quote for the implementation of the GIS System for a total amount of \$139,740.
11. Request the City Commission to approve the implementation of a Utility Geographic Information System (GIS) for use as a planning, operations management and implementation management tool to better facilitate the management of the City utilities raw water, potable water, sanitary sewer and extensive distribution network throughout the City via an agreement with Florida Technical Consultants (FTC), LLC., utilizing pricing from the Town of Davie Bid #B-16-168 for a total amount not to exceed \$139,740 pursuant to Section 35.18(C)(5) of the City's Code of Ordinance.

**FINANCIAL IMPACT DETAIL:**

- a) **Initial Cost:** \$139,740
- b) **Amount budgeted for this item in Account No:** \$139,740 in account # 471-536-6010-64051 Computer programs
- c) **Source of funding for difference, if not fully budgeted:** Not Applicable.
- d) **5 year projection of the operational cost of the project:** Not Applicable
- e) **Detail of additional staff requirements:** One additional staff member will be required to manage the Utility Department GIS system once implemented. This position has been budgeted in account #471-536-6010-34989 (Contractual Service Provider).