



January 31, 2024

Mr. Hamid Nikvan
Acting Director of Utilities
Cooper City
11791 SW 49 Street
Cooper City, Florida 33330

Subject: Cooper City GIS Utility Updates and Maintenance

Dear Mr. Nikvan:

Florida Technical Consultants (FTC) is pleased for the opportunity to submit this Proposal for Professional Services to assist The City of Cooper City (CITY) in updating your GIS Utility Atlas and implementing the data in your operations. All work will be done in accordance with the terms and conditions of the agreement between FTC and the Town of Jupiter Island.

Project Description

The CITY has built a GIS Utility Atlas. The data was posted to ArcGIS Online with a link provided to the CITY. The system must be maintained and kept current to coordinate with outside agencies including ISO, Contractors, and Consultants. Field staff need training to run the system. The purpose of the following scope is to provide hourly services in training and data maintenance.

Scope

FTC will perform the following services as applicable to the CITY according to the priorities of the CITY:

- Update existing GIS desktop utility map and existing web-based utility map to include all pertinent as-built information including manhole structure, pipeline, valve, water and sanitary service line, water meter, backflow preventer, fire hydrant, lift station and well data.
- Provide hyperlinks to as-builts on desktop utility map.
- Provide training to the respective CITY personnel.
- Special work orders for the development of GIS layers for various applications.

More specifically, FTC will:

Update and Correct Existing Data

- Update existing GIS desktop utility map and existing web-based utility map to include all provided as-built information including pond, manhole structure, pipeline, valve, water and sanitary service line, water/ IQ meter, backflow preventer, fire hydrant, lift station and well data.

Attributes to be added/ verified include:

- Boundaries
 - Service Area boundaries
 - Neighborhood/ Subdivision Boundaries
 - Municipal Boundaries
- Pipelines:
 - Material (Pipe & Casing)
 - Year Constructed/ Rehabilitated
 - Diameter (Pipe & Casing)

- Abandoned vs in service
- Flow Directions
- Main break locations & year
- Valve locations, type
- Chlorine residual data
- Utility Easements - O.R. book & Page #
- Manhole/ Cleanout
 - Rim & Invert elevations
 - Year Constructed/ Rehabilitated
- Fire Hydrant
 - Number
 - Flow rating & recent test flow data
- Lift Station
 - Number
 - Public VS Private
 - Pump information & design flow rate
 - Wetwell Depth & influent/ effluent pipe data
 - Contributing areas/ cascading station information
- Backflow Prevention Devices
 - Year Installed
 - Type/ size
 - Certification # & Date

Deliverables

FTC will provide CITY and monthly project status report outlining the activities completed and objectives for future activities. FTC will provide copies of all data collected and created.

Assumptions

- The CITY will provide IT to support ArcGIS Licenses and Installation.
- The CITY will provide access to all relevant utility drawings, plans and background information.
- The CITY will provide access to staff necessary to review the atlas and provide feedback.

Fees and Schedule

The current schedule of positions and rates is attached as Exhibit A.

All services will be on an hourly basis. The schedule of delivery will be in an as-needed basis as defined by the CITY. The CITY will be billed monthly according to the services and deliverables provided.

Should you have any questions, please do not hesitate to contact me at my office at (954) 954-8488 or send me an electronic message at jbarton@fltechinc.com.

Respectfully submitted,

Florida Technical Consultants
James Barton, P.E.
President



Exhibit A:

Professional Services Fees

January 1, 2023

Florida Technical Consultants Fee Schedule 2022 - 2028

Position	Rate	Rate	Rate
	Oct 2022 – Sept 2024	Oct 2024 – Sept 2026	Oct 2026 – Sept 2028
Principal	\$160	\$165	\$170
Project Manager	\$150	\$155	\$160
Senior Professional Engineer	\$145	\$150	\$155
Project Engineer	\$140	\$145	\$150
Senior GIS Analyst	\$135	\$140	\$145
Construction Services Manager	\$130	\$135	\$140
Project GIS Analyst	\$125	\$130	\$135
Junior Engineer	\$125	\$130	\$135
GIS Specialist	\$115	\$120	\$125
CAD Technician	\$115	\$120	\$125
GIS Technician	\$105	\$110	\$115
Clerical	\$65	\$70	\$75

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Respectfully submitted,

James Barton, P.E.
President
Florida Technical Consultants