

# City of Green Cove Springs

## Design Consultant and Project Coordination

### for GIS Design Project

#### RFQ No. LC 2021-01

#### February 4, 2021



February 4, 2021

**Green Cove Springs  
City Hall Office  
321 Walnut Street  
Green Cove Springs, Florida 32043**

**Reference: Design Consultant and Project Coordination for GIS Design Project  
Funded Through the Department of Economic Opportunity  
RFQ No. LC 2021-01**

**England-Thims & Miller, Inc. (ETM)** is extremely excited about this opportunity to submit our qualifications to the City of Green Cove Springs for consideration as the City's Design Consultant to assist with the development of a Comprehensive Online Mapping System for the Department of Economic Opportunity grant project.

This project aligns perfectly with our expertise. Trusted Advisors for 44 years, our engineers and GIS data specialists have spent their careers solving persistent and complex land data and mapping challenges. Our proprietary decision-making platform integrates more than four decades of collected proprietary field data, survey data, GIS mapping files, industry knowledge and geospatial technology expertise. Together with the powerful ArcGIS ESRI technology platform, we created a better and faster way to map critical environmental and property land data, quickly run calculations on routine questions, and easily run through various scenarios and calculations, helping our clients make smarter land use planning decisions. Our response to the City's RFQ highlights our qualifications and unique experience on similar projects.

ETM is prepared to assist the City in the development of an innovative planning and mapping resource that provides an interactive, user-friendly platform to improve access to information and government services including future land use maps, zoning maps, capital improvement plans, utility service data, transportation network and emergency services.

#### **Florida Corporation**

Founded in 1977, ETM is a privately-owned Florida corporation headquartered in Jacksonville. We have a staff of 250 employees and the ownership of the firm is dispersed among 25 shareholders who comprise the leadership of the firm. Over our history, there has never been an unexpected change in ownership or leadership, nor has ETM ever filed bankruptcy.



### Business License

ETM meets all minimum requirements listed in this RFQ. ETM is licensed under the Florida Statutes to perform the professional services identified in the RFQ for the City of Green Cove Springs.

### Professional Insurance

The City of Green Cove Springs will be protected throughout the life of the contract by ETM carrying Professional Liability, Workers Compensation, General Liability and Automobile Liability insurance. Note that ETM has never filed a claim against our Professional Liability insurance. To help continue our claim-free history, our personnel regularly attend courses on professional liability risk reduction.

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The required types of insurance and coverage limits specified in the RFQ are all met by ETM. A signed affidavit from Harden, our insurance provider, is included to demonstrate evidence of coverage.

### Required Attachments:

Attached you will find copies of the following Required Attachments:

- a. Public Entity Crimes Requirement
- b. Drug-Free Workplace Compliance Form
- c. Standard Addendum to All City Contracts and Agreements

We are thankful to be of service to the City of Green Cove Springs and offer our assurance that ETM will be there to support you with our expertise.

Sincerely,

**ENGLAND-THIMS & MILLER, INC.**



**Shawn Barnett, Executive Vice President  
Principal-in-Charge**

# *State of Florida*

## *Department of State*

I certify from the records of this office that ENGLAND, THIMS & MILLER, INC. is a corporation organized under the laws of the State of Florida, filed on September 26, 1977.

The document number of this corporation is 547560.

I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on January 29, 2021, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Twenty-ninth day of January,  
2021*



*Randy R. ...*  
**Secretary of State**

Tracking Number: 3323811301CC

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>



Ron DeSantis, Governor



## STATE OF FLORIDA

### BOARD OF PROFESSIONAL ENGINEERS

THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE  
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

### ENGLAND, THIMS & MILLER, INC.

14775 OLD ST. AUGUSTINE ROAD  
JACKSONVILLE FL 32258

**LICENSE NUMBER: CA2584**

**EXPIRATION DATE: FEBRUARY 28, 2021**

Always verify licenses online at [MyFloridaLicense.com](http://MyFloridaLicense.com)



Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.



March 16, 2020

RE: Banking Reference Letter

England, Thims & Miller, Inc.  
14775 Old Saint Augustine Road  
Jacksonville, FL 32258-2463

Dear Sir or Madam:

England, Thims & Miller, Inc., has been a valued client of First Citizens Bank since June 2004. Our experience with the company has been very positive and accounts have been handled with the utmost professionalism.

The company current maintains a depository relationship with First Citizens. Deposit accounts include commercial checking, with average balances in the low-to-mid seven figure range.

First Citizens Bank is prepared to expand our credit relationship with the company, should the need arise subject to typical bank approval requirements.

If I can be of further assistance, please contact me at (904)996-4741.

Sincerely,

A handwritten signature in blue ink that reads "Michael Brock".

Michael Brock  
Financial Sales Manager

## D&B Rating

Current Rating as of 03-16-2020

Previous Rating

### Employee Size

### Risk Indicator

### Financial Strength

### Risk Indicator

**1R :**

**2 :**

**3A :**

**1 :** Very Low Risk

10 employees and over

Low Risk

US\$1,000,000 to  
US\$9,999,999 in Net  
Worth or Equity

## Portfolio Comparison Score

**1**

Low Risk (1)

High Risk (9)

Level of risk

**Low**

Rating Confidence Level

**Robust  
Predictions**

Probability of becoming no longer viable

**2%**

Percentage of businesses ranked with this score

**11%**

Average probability of becoming no longer viable

**5%**

## Viability Score

**2**

Low Risk(1)

High Risk (9)

Level of risk

**Low**

Probability of becoming no longer viable

**2%**

Percentage of businesses ranked with this score

**14%**

Average probability of becoming no longer viable

**4%**



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
3/18/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Harden and Associates 501 Riverside Avenue, Suite 1000 Jacksonville FL 32202	<b>CONTACT NAME:</b> Stephanie Meehan	
	<b>PHONE (A/C, No, Ext):</b> 904-421-4339	<b>FAX (A/C, No):</b> 904-634-1302
<b>E-MAIL ADDRESS:</b> smeehan@hardeninsight.com		
<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
<b>INSURER A :</b> Valley Forge Insurance Company		20508
<b>INSURER B :</b> Continental Casualty Co.		20443
<b>INSURER C :</b> American Cas Co of Reading PA		20427
<b>INSURER D :</b> Continental Ins Co		35289
<b>INSURER E :</b> National Fire Insurance Company of Hartford		20478
<b>INSURER F :</b>		

**INSURED** ENGLTHI-01  
 England Thims & Miller Inc.; EMM Properties LLC  
 ETM Surveying & Mapping, Inc. (FKA Robert M Angas Associates, Inc.)  
 14775 Old St. Augustine Rd.  
 Jacksonville FL 32258

**COVERAGES** **CERTIFICATE NUMBER:** 1359540512 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
D	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			5095133518	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
E	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY			2087980833	1/1/2020	1/1/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
D	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> RETENTION \$ 10,000 <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE			2087980847	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 20,000,000 AGGREGATE \$ 20,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	5096111288	1/1/2020	1/1/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B C	Professional Liability Leased/Rented Equip.			AEH113771078 2087980816	1/1/2020 1/1/2020	1/1/2021 1/1/2021	Per Claim/Aggregate \$100,000 \$10M/\$15M Dedct. \$2,500

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER   FOR PROPOSAL PURPOSES ONLY	CANCELLATION  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 



**PUBLIC ENTITY CRIMES REQUIREMENT:**

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid or a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, and may not transact business with any public entity in excess of the threshold amount provided in SECTION 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

~~SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(a),~~  
**FLORIDA STATUTES, ON ENTITY CRIMES**

1. This sworn statement is submitted to City of Green Cove Springs  
(print name of the public entity)
- by Shawn Barnett, Executive Vice President  
(print individual's name and title)
- for England-Thims & Miller, Inc.  
(print name of entity submitting sworn statement)

whose business address is

14775 Old St Augustine Rd, Jacksonville, FL 32258

and (if applicable) its Federal Employer Identification Number (FEIN) is:

59-1773930

(If the entity has no FEIN, include the Social Security Number of the Individual signing this sworn statement: \_\_\_\_\_)

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision or any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record

relating to charges brought by indictment or information after July 1, 1989, as a result of jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), **Florida Statutes**, means:

a. A predecessor or successor of a person convicted of a public entity crime; or

b. An entity under the control any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

c. I understand that a "person" as defined in Paragraph 287.133(1)(e), **Florida Statutes**, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

d. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (**indicate which statement applies.**)

X Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

\_\_\_\_\_ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

\_\_\_\_\_ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (**attach a copy of the final order**)

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT HIS FORM IS VALID THOROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

*[Handwritten Signature]*  
(Signature)

Sworn to an subscribed before me this 4<sup>th</sup> day of February, 2021

Personally known personally known

*[Handwritten Signature: Cynthia L. Humphrey]*

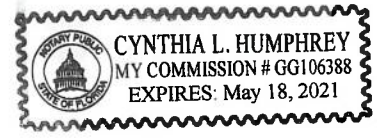
OR produced identification \_\_\_\_\_

Notary Public - State of FLORIDA

\_\_\_\_\_  
(Type of identification)

My commission expires \_\_\_\_\_

\_\_\_\_\_  
(Printed typed or stamped commissioned name of notary public)





**DRUG-FREE WORKPLACE COMPLIANCE FORM**

In order to have a drug-free workplace program, a business shall abide as follows:

The undersigned vendor/contractor in accordance with Florida Statue 287.087 hereby certifies that England-Thims & Miller, Inc. (name of business) does:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the company’s policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees or drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under proposal a copy of the statement specified in item 1, above.
4. In the statement specified in item 1, notify the employees that as a condition of working on the commodities or contractual services which are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to any violation of Chapter 1893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee’s community, by any employee who is convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that, England-Thims & Miller, Inc.

\_\_\_\_\_ (name of business), fully complies/does not comply with the above requirements.

Vendor/Contractor Signature

2/4/2021

Date

**STANDARD ADDENDUM  
TO ALL  
CITY CONTRACTS AND AGREEMENTS**



Any other provisions of the Contract or Agreement to which this Standard Addendum is attached to the contrary notwithstanding, the parties specifically agree that the provisions hereinafter set forth will apply exclusively with respect to the matters addressed, whether addressed in said Contract or Agreement or not, and shall be deemed an integral part of said Contract or Agreement as if duly set out therein, having a force and effect of equal or superior dignity, as applicable, with the provisions thereof; provided, that if the provisions of the Contract or Agreement address a particular matter in a manner which results in a lower cost to the City than this Standard Addendum, then such provisions of the Contract or Agreement shall control and supersede the applicable provisions hereof (as used herein, the term "Contractor" means the vendor or other party in the Contract or Agreement providing construction, labor, materials, professional services, and/or equipment to the City thereunder; the term "City" means Green Cove Springs, a municipal corporation of the State of Florida, its City Council, or any other name or label set forth in the Contract or Agreement identifying such entity).

1. All payments for services rendered, or supplies, materials, equipment and the like constructed, delivered or installed under the Contract or Agreement (the Work) shall be made by the City in accordance with the Local Government Prompt Payment Act (the Act). Upon receipt of a proper statement, invoice or draw request, the City shall have the number of days provided in the Act in which to make payment.
2. Any work or professional services sub-contracted for by the Contractor for which the City has agreed to reimburse the Contractor shall not be marked up but shall be payable by the City only in the exact amount reasonably incurred by the Contractor. No other such sub-contracted services shall be reimbursed.
3. In the event the Contract or Agreement is for professional services, charged on a time basis, the City shall not be billed or invoiced for time spent traveling to and from the Contractor's offices or other points of dispatch of its sub-contractors, employees, officers, or agents in connection with the services being rendered.
4. The City shall not be liable to reimburse the Contractor for any courier service, telephone, facsimile, or postage charges incurred by the Contractor, except as follows, and then only in the exact amount incurred by the Contractor [if the space below is left blank, then "NONE" is deemed to have been inserted therein]:
5. The City shall not be liable to reimburse the Contractor for any copying expenses incurred by the Contractor, except as follows, and then only at \$0.05 per page [if the space below is left blank, then "NONE" is deemed to have been inserted therein]:
6. If and only if travel and per diem expenses are addressed in the Contract or Agreement in a manner which expressly provides for the City to reimburse the Contractor for the same, then the City shall reimburse the Contractor only for those travel and per diem expenses reasonably incurred and only in accordance with the provisions of Section 112.061, Florida Statutes or as otherwise limited by Florida law. In the event the Contractor has need to utilize hotel accommodations or common carrier services, the City shall reimburse the Contractor for his, her, or its reasonable expense incurred thereby provided prior written approval of the City Manager of the City or his or her designee is obtained.
7. With respect to drawings and/or plans prepared on behalf of the City by the Contractor under the Contract or Agreement, unless specifically provided otherwise therein, complete sets of such drawings and/or plans shall be reproduced by the Contractor without cost to the City for all bidders requesting the same, and five (5) complete sets of such drawings and/or plans shall be reproduced and delivered to the City without cost.

8. With respect to any indemnification by the City provided under the Contract or Agreement, any such indemnification shall be subject to and within the limits set forth in Section 768.28, Florida Statutes, and shall otherwise be limited as provided by law.
9. In that the City is a governmental agency exempt from sales tax, the City shall pay no such taxes, any other provisions of the Contract or Agreement to the contrary notwithstanding. The City shall provide proof of its exempt status upon reasonable request.
10. Any pre-printed provisions of the Contract or Agreement to the contrary notwithstanding, the same shall not automatically be renewed but shall be renewed only upon subsequent agreement of the parties.
11. The Contractor acknowledges that in the budget for each fiscal year of the City during which the term of the Contract or Agreement is in effect, a limited amount of funds is appropriated which are available to make payments arising under the Contract or Agreement. Any other provisions of the Contract or Agreement to the contrary notwithstanding, and pursuant to applicable Florida Statutes, the maximum payment that the City is obligated to make under the Contract or Agreement from the budget of any fiscal year shall not exceed the appropriation for said fiscal year.

CONTRACTOR/FIRM/INDIVIDUAL

By: Shawn Barnett, Executive Vice President

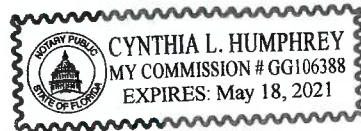
(Printed Name and Title)



ATTEST:


By: Cynthia L. Humphrey

Notary



Addendum Acknowledgement:

I am in receipt of   1   (number issued) addendum.

A handwritten signature in black ink, appearing to be "C. J. Bell", is written over a horizontal line.

Signature

# TABLE OF CONTENTS



00. INTRODUCTION  
Page 01

00. REQUIRED DOCUMENTATION  
Page 03

00. TABLE OF CONTENTS  
Page 15

01. KNOWLEDGE AND EXPERIENCE  
WITH GIS MAPPING SYSTEMS  
Page 17

02. EXPERIENCE WITH PROJECTS  
FUNDED THROUGH DEO  
Page 21

03. EXPERIENCE WITH MUNICIPAL  
WEBSITE DESIGN AND GIS MAPPING  
Page 23

04. MANAGEMENT AND STAFFING  
Page 27

05. ABILITY TO BECOME QUICKLY  
FAMILIAR WITH LOCAL CONDITIONS  
Page 41





# 1. Knowledge and Experience with GIS Mapping System

# KNOWLEDGE AND EXPERIENCE WITH GIS MAPPING SYSTEMS 1.



ETM was founded in Northeast Florida with the aim of guiding municipal, commercial, and land development throughout the region. The company adopted Geographic Information Systems (GIS) capabilities over 20 years ago to support the National Pollutant Discharge Elimination System (NPDES) for the City of Jacksonville. Through our continued commitment to technology, ETM has built the preeminent GIS Implementation team in Northeast Florida by recruiting a team of established experts in the field, investing in top tier technology, and integrating deep regional knowledge, engineering expertise, and design capability into their solutions.



The ETM Geospatial Technologies team understands that limited budgets and the rapid pace of digital transformation make it difficult for municipalities to stay on top of the important work that needs to be done for a community. We provide GIS solutions that help our clients see where things are happening and how information is connected so they can effectively and efficiently manage day-to-day operations and increase productivity.

ETM maintains technology partnerships with industry leading GIS platforms such as



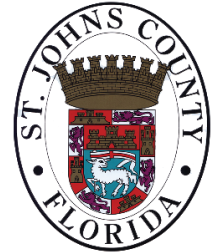
to seamlessly multiply the effectiveness of our system without the need for time consuming integration work. The result is comprehensive, interactive, web-based mapping systems that improve data-driven problem solving by connecting people, processes, and products resulting in a better experience for our clients.

Cartegraph is an advanced work and asset management solution built to perfectly complement the ArcGIS platform. ESRI is the established, global industry leader for GIS software and data because it provides the world's most robust, accurate, and comprehensive geospatial platform. ArcGIS maps bring life to Cartegraph's advanced operations management functionality like preventative maintenance schedules, predictive asset assessments, and powerful scenario planning capabilities.



## PAST AND CURRENT CLIENTS

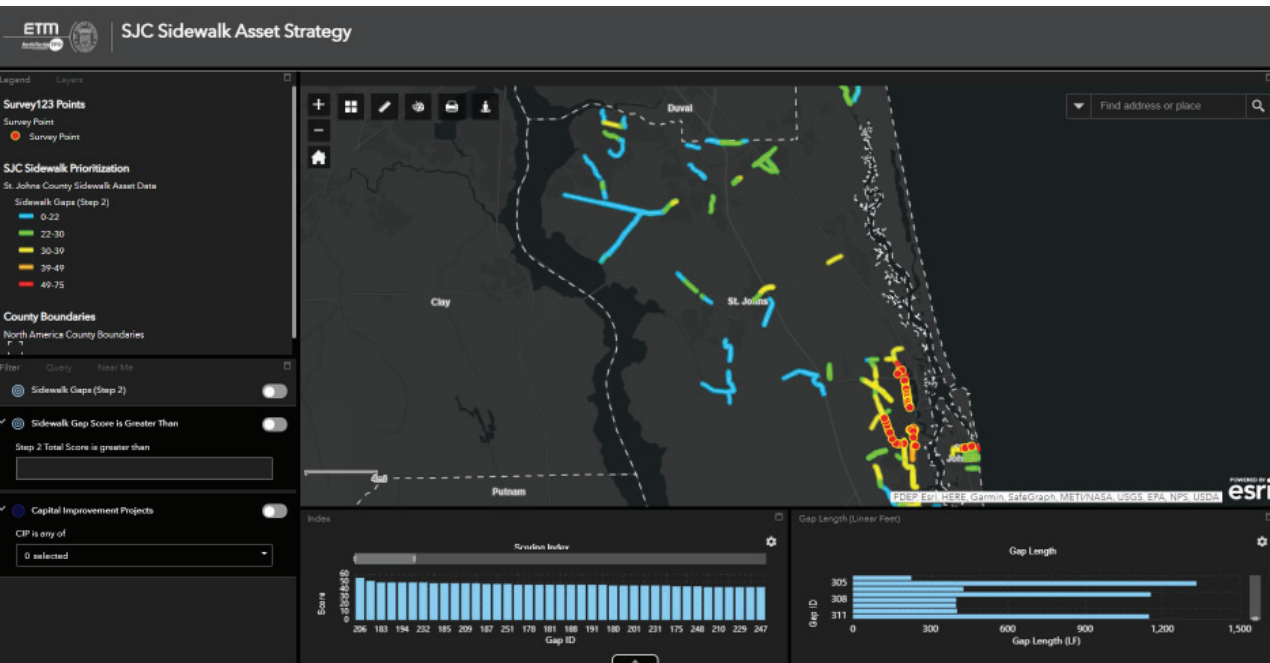
Currently, ETM supports multiple interactive mapping portals for municipalities, utility agencies, single & multi-family developers, and private landowners. Some of our clients are listed below.



## GIS SOLUTIONS - SIMILAR PROJECTS

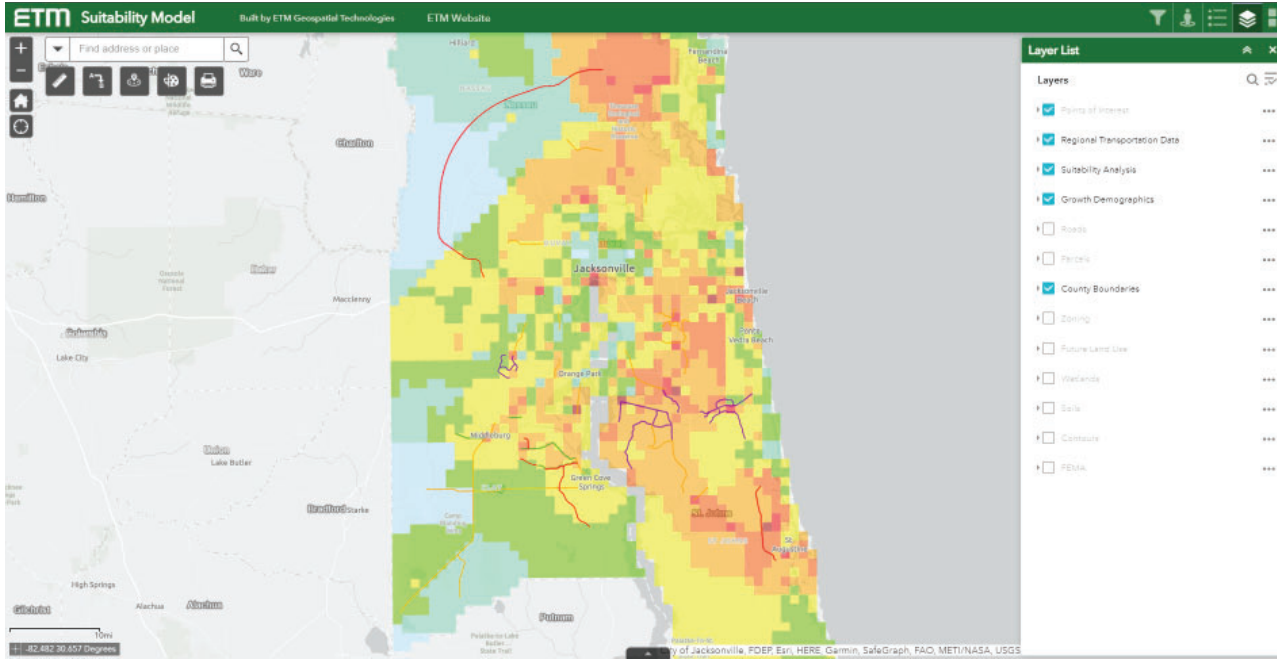
Based on specific client needs, our ETM Geospatial Technologies team implemented data analysis models to evaluate sites for economic development, examine sidewalk gaps, and monitor septic tank removals. The mapping platform we utilize to develop these online mapping tools provides scalable capabilities with a great deal of flexibility and security.

On the following page are screenshots of a Sidewalk Gap Analysis dashboard and a Site Evaluation Suitability map from GIS systems created for clients.



▲ Sidewalk Gap Analysis Dashboard

Spatial model developed to identify high priority gaps in county sidewalks, based on demographic, commercial, and environmental characteristics. Delivered through an interactive dashboard, allowing the county to interact directly with the data to determine and compare courses of action.



▲ Site Evaluation and Suitability Map

Map to support smart development initiatives by identifying characteristics suitable for development by multi-family, single-family, or commercial real estate developers. Evaluation models can be adapted to meet a wide array of needs from comparison of growth trends to environmental suitability.

## 2. Experience with Projects Funded Through DEO

## EXPERIENCE WITH PROJECTS FUNDED THROUGH DEO 2.

Florida's economy is one of the fastest growing in the nation, thanks to incentives from the Department of Economic Opportunity (DEO) to attract business investment from around the world. ETM's professionals are well versed with projects funded by the DEO and proud to highlight a sampling of our experience.

### GRANT FUNDING

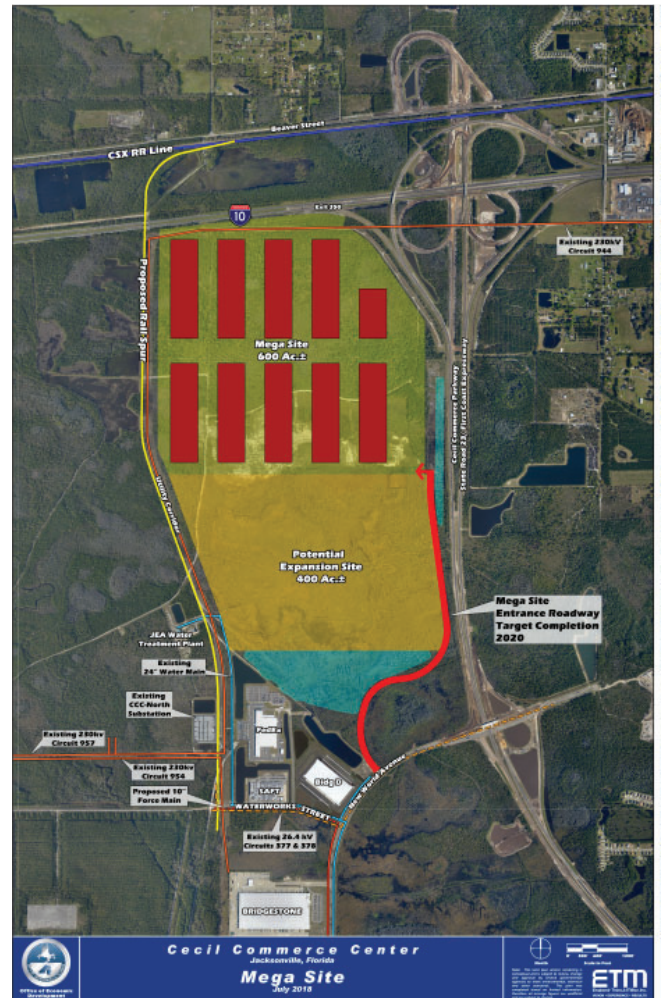
ETM continues to work closely with many local clients similar to the City of Green Cove Springs to obtain grant funding that supports their investment in the prosperity and well-being of their communities.

Additionally, ETM has experience in the development of Online Mapping Systems to support grant funding initiatives for local municipalities, including the previously mentioned Sidewalk Gap Analysis for St. Johns County.

### Duval County, Cecil Commerce Center

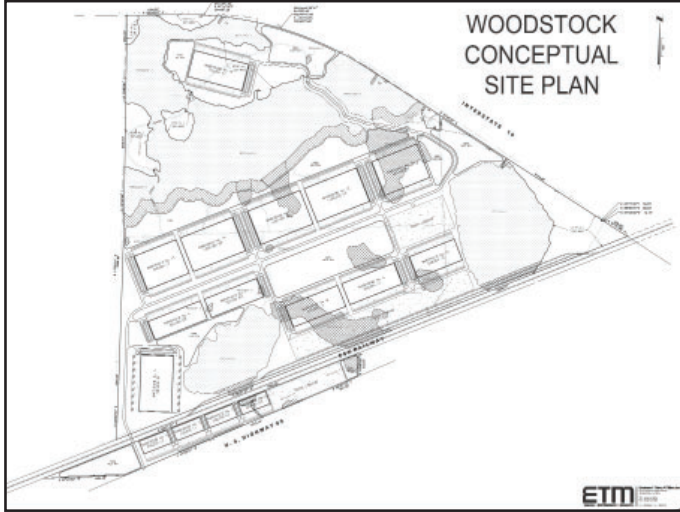
ETM provided design and permitting services for implementation via a Design/Build process for a new 6,300 foot-long roadway to provide access to parcels N1 and N2 from POW-MIA Parkway (formerly New World Avenue) at the Cecil Commerce Center. In 2018, ETM provided vital data for the City of Jacksonville's application for the State of Florida DEO Florida Job Growth Fund Grant that resulted in an award of \$6 Million for Phase 1 of the project.

At completion, this project will utilize an urban, 4-lane divided roadway typical section, a closed stormwater collection, and wet detention ponds to provide stormwater treatment and attenuation. The project was designed and permitted to be constructed in multiple phases. Phase 1 consists of the construction of an interim 2-lane paved roadway, roadside stormwater treatment swales and wetland permitting. Phase 2 will include construction of the two additional travel lanes to provide for a completed 4-lane divided facility and a wet detention stormwater pond. Phase 1 is now complete.



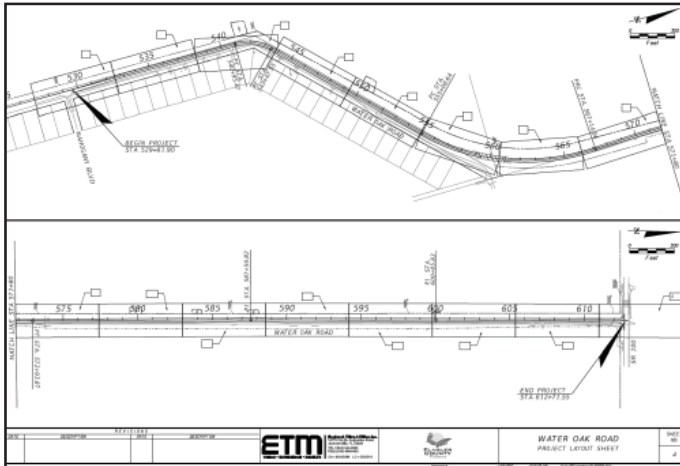


### Baker County, Woodstock Industrial Part Access Road



ETM performed the design and engineering work for the Woodstock Industrial Park Access Road. The work on this project included site survey, legal descriptions, and site plan development for the initial plan submittal. ETM created the design and construction documentation for the Rail Access Road, Switch Yard/Transload Facility, and Tree Mitigation. To support the regulatory components of the projects, regulatory permitting for the St. Johns River Water Management District (SJRWMD) was incorporated.

### Flagler County, Water Oak Road



ETM provided design and permitting services for the DEO Flagler 03K and Flagler County DREF 03K activities to support street improvements for Water Oak Road. This project included the paving of approximately 1.5 miles of Water Oak Road between Mahogany Boulevard and SR 100 in Flagler County. In addition to paving the existing dirt road, the culvert extensions, mitered end sections, and gentle side slopes were incorporated into the design to meet the clear zone requirements for the proposed 55 miles per hour design speed. This project

was permitted through the SJRWMD utilizing a specific rule which does not require stormwater treatment or attenuation. An FDOT connection permit and a drainage exception permit letter were also required. Construction was completed at the end of 2012 at a cost of \$1,040,000.

### State of Florida, GrowFL

A member of the ETM GIS team provided GIS services to economic development programs focused on the growth of Second Stage Companies (5-100 employees, \$1-50MM Revenue), with funding from the DEO, through the GrowFL program at University of Central Florida in 2011-2013. This program focused on providing tailored market research to help companies better understand their customers and markets to increase employment at the outset of the Great Recession. Reporting requirements were a key component of the grants provided, ensuring that companies and employee increases were documented to meet the terms of the grant.

## 3. Experience with Municipal Website and GIS Mapping

## EXPERIENCE WITH MUNICIPAL WEBSITE DESIGN AND GIS MAPPING 3.



ETM focuses on educating its team on the latest tools and techniques to meet the changing needs of clients and ensure that they are the beneficiaries of our ongoing evolution. ETM's Geospatial Technologies specialists use the latest technology to create customized applications that meet the individual needs of each of our clients. The team focuses on data-storytelling, ensuring that our clients understand how multiple layers of data work together to illuminate substantive answers to inquires and questions. We specialize in combining demographic, land feature, and point of interest data to identify hot spots which offer opportunity for growth or need for attention.

For example, our clients:

- Can determine what caused a pipe failure before it was predicted.
- Review the floodplain to prepare for a potential flood event.
- Analyze street lighting for insufficiencies.
- Conduct a spatial analysis of assets to estimate the fiscal impact of a disaster event.
- Analyze assets in context with each other, including routing and spatial correlation.
- Schedule preventative maintenance and plan for future maintenance.
- Drive operational efficiencies and improve communication by automating workflows.
- Track the real-time progress of your goals to maintain service agreements.
- Quickly build reports for council meetings, FEMA reimbursement, budget requests, capital improvement planning, and more.



# GEOSPATIAL TECHNOLOGIES SOLUTIONS SITE



## Location Evaluation Tool

Evaluation and Suitability Analysis viewer application created by ETM.

[View Application](#)



## Development Viewer

viewer application created by ETM.

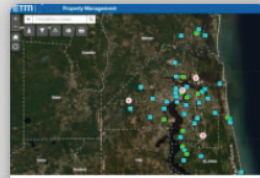
[View Application](#)



## Regional Development Viewer

DeepVUE Regional Development Viewer

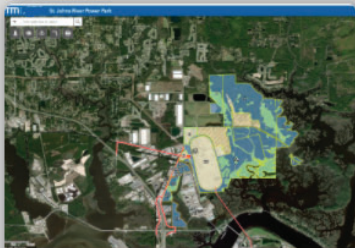
[View Application](#)



## Property Management App

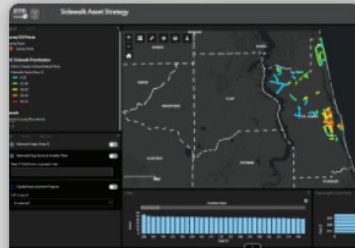
Property Management viewer application created by ETM.

[View Application](#)



viewer application created by ETM.

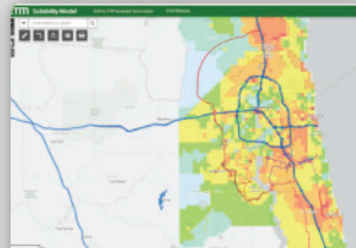
[View Application](#)



## Sidewalk Asset Strategy

Asset Strategy application created by ETM.

[View Application](#)



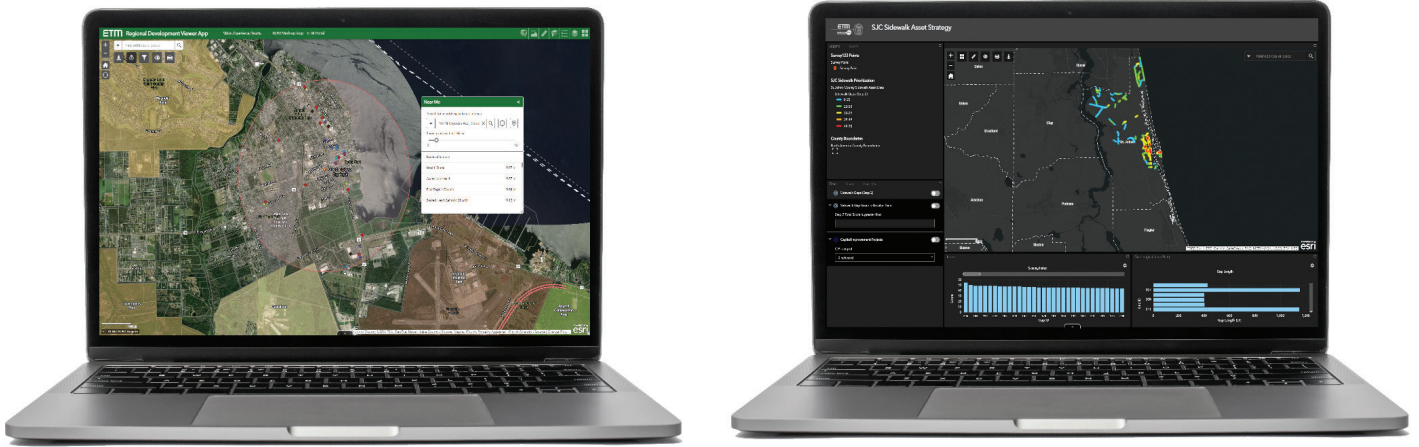
## ETM Suitability Model

Suitability analysis modeled developed by ETM.

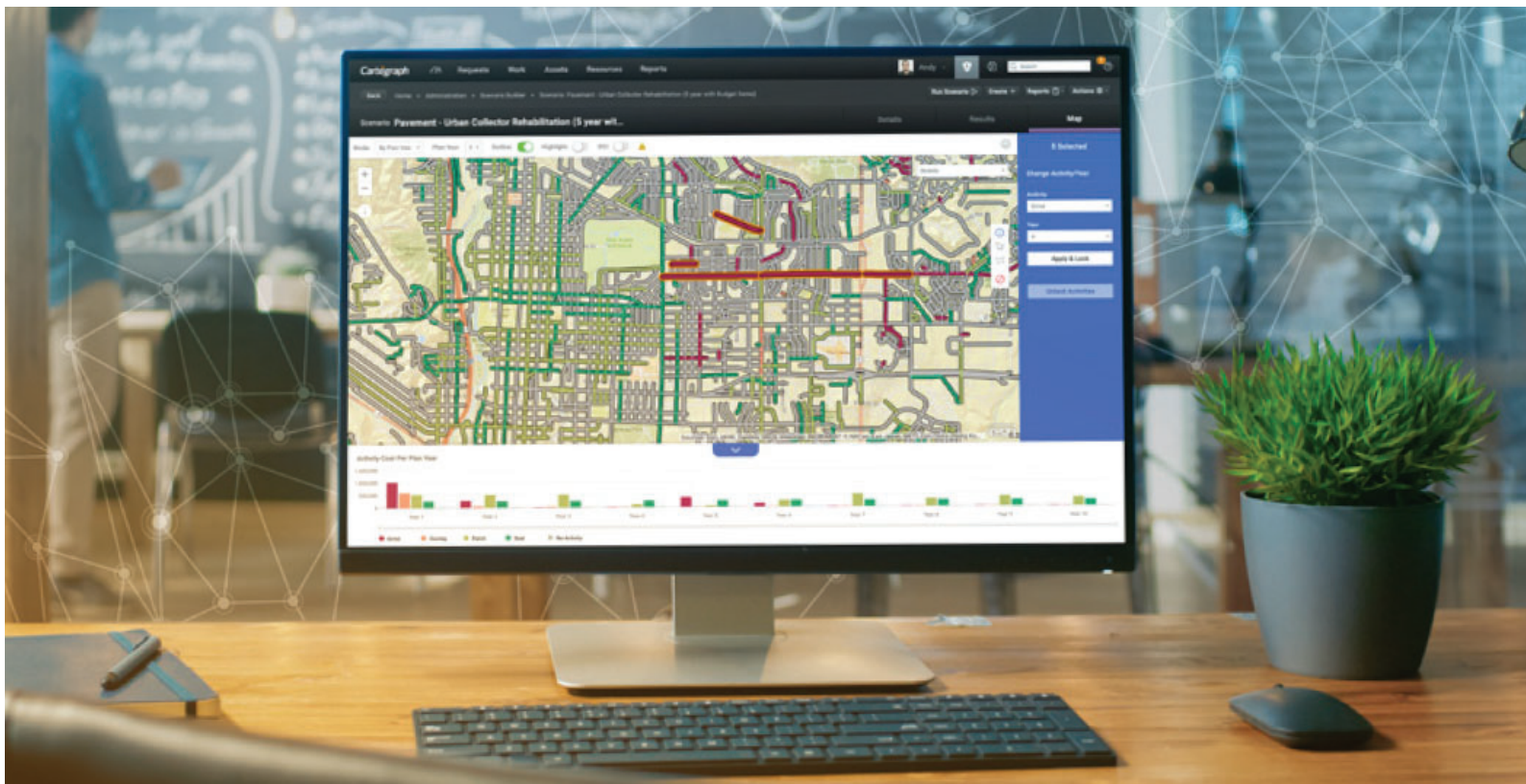
[View Application](#)

Our adoption of advanced GIS technologies expands the capabilities of ETM's Geospatial Technologies team by incorporating industry standard protocols and leading-edge functionality. GIS integrates many types of data. It analyzes spatial location and organizes layers of information into visualizations using maps and 3D scenes revealing deeper insights into data, such as patterns, relationships, and situations. GIS allows clients to visualize, question, analyze, and interpret data to understand relationships, patterns, and trends.





We have worked extensively with municipalities to continuously improve data, visualizations, and reporting. This is most evident with our recent transition of the City of Jacksonville's NPDES system to the Cartegraph Asset Management platform. ETM partnered with Cartegraph in 2020 and implemented their Operations Management Software for the City of Jacksonville, using the technology to manage their NPDES program. City staff use Cartegraph OMS to capture asset inspections, maintenance needs, pictures, and view reports and graphs.



Combining the capabilities of these tools with our deep experience allowed the ETM Geospatial Technologies team to migrate the State of Florida's largest single-municipality NPDES platform in a few short months.



# 4. Management and Staffing



## MANAGEMENT AND STAFFING 4.



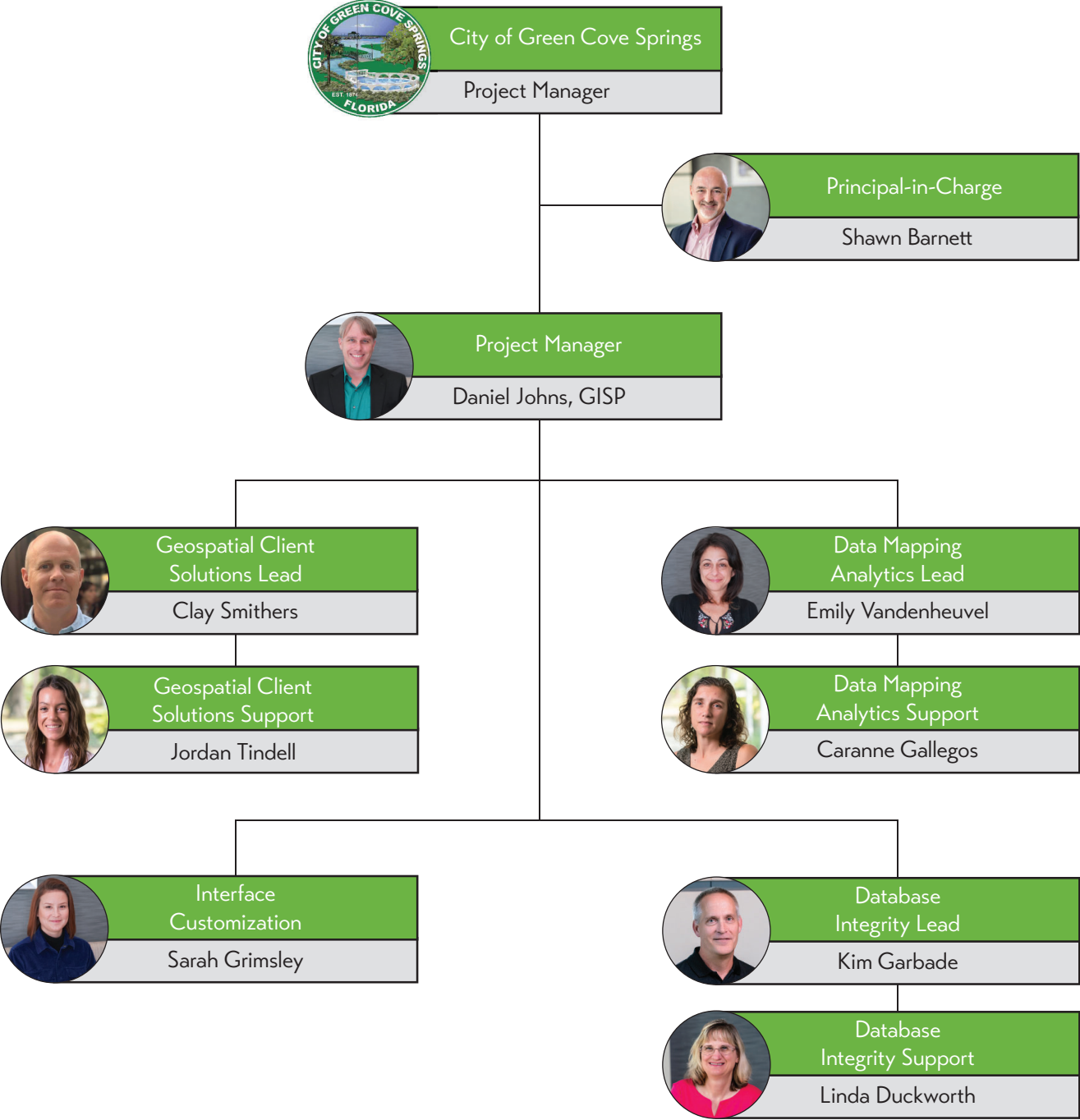
ETM offers the City of Green Cove Springs a team of experts who will provide client solutions, database analytics and data integrity. Focused on interactive map visualizations, spatial analysis, asset management, and custom Online Mapping Systems, the proposed team includes developers, data analysts and mapping specialists along with municipal program management professionals.

Our team's diverse skillset, deep knowledge and experience of the local market and strong record of proven performance on similar projects will prove very beneficial in the development of the City's online comprehensive GIS mapping system. Our team fully understands the goals as outlined in this RFQ and each member will contribute unique skills to develop the City's mapping system.





# ORGANIZATIONAL CHART



# PROJECT TEAM



**Shawn Barnett**  
Principal-in-Charge

The team is led by Executive Vice President, Mr. Barnett. He supports ETM in our continued progression by providing a focus on strategic growth, business planning, organizational management, and development. His background in industrial engineering, business development, business consulting, and various executive positions throughout his career have given him the unique skill-set to lead a company in developing both sustainable growth and market leadership. In fact, the Jacksonville Business Journal named Mr. Barnett the 2011 Logistics Entrepreneur of the Year.

Mr. Barnett came to ETM with more than 20 years of executive experience. He previously served as COO of Solid Rock Engineering and Consulting following an 8-year career as CEO/Owner of PenserSC, a 4-time awards recipient of one of the Jacksonville Business Journal's Fastest Growing Companies in Jacksonville.



**Daniel Johns, GISP**  
Project Manager

Mr. Johns is the Director of ETM Geospatial Technologies. An award-winning professional, he has over 16 years of successful leadership in GIS management and operations. Prior to joining ETM, Mr. Johns was responsible for driving year-over-year efficiency and cost benefits for Clay County Utility Authority (CCUA), one of North Florida's industry leading water, wastewater, and reclaimed water utility organizations.

While at CCUA, Mr. Johns led the planning, development, and deployment of geospatial technology, rolling out systems to successfully capture GIS, surveying, asset management, and work management information. He also led the development of a \$500,000 GIS project in-house; saving the organization over \$200,000. He led the deployment and management of the organization wide utility asset and work management system (Cartegraph), that integrated directly with the CCUA GIS and led to a savings of over \$137,000 within the first year.



**Clay Smithers**  
Geospatial Client Solutions Lead

Mr. Smithers supports clients through needs analysis, data identification, and eye for solutions that exceed expectations. With a background in both management consulting and GIS, he is well qualified to assess the needs of a wide array of municipal and commercial situations.

Mr. Smithers comes to ETM with over 15 years of GIS expertise. He has spent most of that time focusing on developing solutions for small and medium sized businesses. He is a native of Clay County and currently resides in the Oakleaf area.



**Emily Vandenneuvel**  
**Data Mapping Analytics Lead**

New to our team, Ms. Vandenneuvel comes to ETM with more than 15 years of GIS experience. After her GIS internship with the Army Corp of Engineers, she accumulated her experience on projects throughout Florida. As Geospatial Analyst, Emily examines a range of data from the geographical record including aerial photographs, GIS data, old maps, new maps, specialist maps (such as soil and geology maps), satellite data, soil analysis and other environmental samples to discover patterns and trends through spatial mapping. She assists with the development of mapping applications and tools and manages a digital library of various file types.



**Sarah Grimsley**  
**Interface Customization**

Ms. Grimsley has over 3 years of GIS experience. A self-motivated Individual, she was brought on-board at ETM as Geospatial Developer. Due to her formal training in the realms of GIS for use with water utilities at the local government level, she has extensive knowledge in geospatial technology and substantial experience with environmental analysis (watershed, soil, image, pollution, disaster, natural resources, etc.).







### EDUCATION:

MBA, Corporate  
Management, Florida  
International University,  
2014

BS, Computing and  
Information Sciences,  
University of North Florida,  
2011

### YEARS OF EXPERIENCE:

Total:	16
with ETM:	1

### REGISTRATIONS:

Certified Geographic  
Information Systems  
Professional, No. 16960

## DANIEL JOHNS, GISP PROJECT MANAGER ENGLAND-THIMS & MILLER, INC.

Mr. Johns is the Director of ETM Geospatial Technologies. An award-winning professional, he has over 16 years of successful leadership in GIS management and operations. Prior to joining ETM, Mr. Johns was responsible for driving year-over-year efficiency and cost benefits for Clay County Utility Authority (CCUA), one of North Florida's industry leading water, wastewater, and reclaimed water utility organizations.

While at for CCUA, Mr. Johns led the planning, development, and deployment of geospatial technology, rolling out systems to successfully capture GIS, surveying, asset management, and work management information. He also led the development of a \$500,000 GIS project in-house; saving the organization over \$200,000. He led the deployment and management of the organization wide utility asset and work management system, that integrated directly with the CCUA GIS and led to a savings of over \$137,000 within the first year.

### PROJECT EXPERIENCE:

Director responsible for GIS, asset management, and client solutions for geospatial technologies.

- Manages partnerships and coordinates product delivery efforts with ESRI and Cartegraph.
- Leads client solutions efforts for the firm, building internal and external relationships and delivering results.

### PREVIOUS PROJECT EXPERIENCE:

#### Clay County Utility Authority (GIS Manager)

Department manager responsible for GIS, asset and fleet management, surveying, and GPS data collection operations.

- Led a team of 4 that includes a Professional Surveyor and Mapper, Administrator, Analyst, and Technician.
- Managed mapping operations for over 1,500 miles of utility main infrastructure within a 644 mile area.
- Managed all geospatial asset infrastructure within the organization.
- Converted the organization's GIS database to ESRI's Water Utility Solution using FME.
- Configured and deployed ESRI's Portal for ArcGIS (moved to single sign-on experience).
- Managed all aspects of geospatial software and hardware within the organization.
- Perform database planning and software maintenance operations for the organization.
- Led fleet management operations for executive management.
- Assisted various departments with procurement and bid package preparation.
- Work closely with executive management to implement new technology.
- Provided geospatial reports and analysis maps for executive management.
- Led the design and implementation of CCUA's Cue's Granite XP and GNET projects for recording and scoring utility main infrastructure.

**DANIEL JOHNS, GISP  
PROJECT MANAGER  
ENGLAND-THIMS & MILLER, INC.**

- Researched and implemented a fleet global positioning system (GPS) tracking solution tracking over 200 assets vehicle and non-vehicle assets.
- Led as a Project Manager with several different projects (i.e., audio-visual, financial software, etc.).

**Clay County Utility Authority (GIS Analyst II/GIS Manager)**

- Lead Analyst responsible for providing data analysis, maps and reports to executive management. Led the coordination of the GIS implementation project with a team of 2. Promoted to GIS Manager, tasked to oversee all geospatial operations.
- Coordinated and managed the input of over 1,400 record drawings.
- Trained over 10 employees as core GIS users for internal operations.
- Led programing projects in various languages (i.e. Java, Python, ActionScript, and C#).
- Assigned as Project Manager for implementing a \$36,000 hydraulic modeling software.
- Created GIS procedure documentation, detailing editing, quality assurance and quality control.

**CAD Technician I/GIS Analyst II**

Led drafting and design operations on various projects, including a \$1 Million-dollar treatment plant expansion project for the Chief Engineer. Recruited to oversee GIS operations within the organization and tasked to build CCUA's GIS infrastructure.

- Designed and deployed an enterprise GIS for the organization.
- Trained numerous employees on drafting and design procedures and techniques.
- Lead on quality assurance and quality control efforts for projects.



**CLAY SMITHERS**  
**GEOSPATIAL CLIENT SOLUTIONS LEAD**  
**ENGLAND-THIMS & MILLER, INC.**

Mr. Smithers supports clients through needs analysis, data identification, and eye for solutions that exceed expectations. With a background in both management consulting and GIS, he is well qualified to assess the needs of a wide array of municipal and commercial situations.

Mr. Smithers comes to ETM with over 15 years of GIS expertise. He has spent most of that time focusing on developing solutions for small and medium sized businesses. He is a native of Clay County and currently resides in the Oakleaf area.

**EDUCATION:**

MA, Geography, University  
of South Florida,  
2008

BS, Management &  
Information Systems, Florida  
State University,  
1999

**YEARS OF EXPERIENCE:**

Total: 15  
with ETM: 1

**CERTIFICATIONS:**

Business Intelligence  
Analysis Certificate

**ASSOCIATIONS:**

GrowFL Northeast  
Florida Region Co-Chair,  
2019-Present; Advisory  
Board Member 2016-Present

Northeast Florida GIS,  
2010-Present

URISA Member,  
2010-Present

Geographic Information  
Technology Association  
(GITA) Member, 2008-2014

**PROJECT EXPERIENCE:**

GST Client Solutions responsible for identifying and developing growth opportunities for new Geospatial Technologies (GST) division of ETM. Mr. Smithers responsibilities include supporting existing ETM Clients through the enhancement of existing projects through spatial data modeling and interactive maps.

**PREVIOUS PROJECT EXPERIENCE:**

**Upriver GIS (Principal Consultant)**

Founded Upriver GIS to deliver data analysis and spatial intelligence to support business and marketing decisions. Provided expertise in the creation and customization of mapping and data analysis products to support sales and marketing efforts through the use of industry leading data and mapping tools. Served a wide range of clients, from large grocery store chains to small retailers to economic development organizations, to improve understanding of their customers and markets.

**Edward Lowe Foundation (National Strategic Research Team)**

Provided secondary market research, business mapping, and demographic profiling for over 1,400 2nd stage companies in 29 states over 10 years of work with the Edward Lowe Foundation. Performed Site Selection for retail and restaurant organizations. Developed demographic profiles and market segmentations for B2C Companies. Identified prospects, competitors, and market potential for B2B companies. Served as certification mentor for 19 research specialists. Supported outreach and program development efforts through mapping and targeted business research. Facilitated Virtual CEO Roundtables using PeerSpectives methodology.

**WRScompass (now Northstar) (GIS Developer III)**

Developed custom geospatial applications utilizing ESRI ArcGIS Desktop and Server. Designed and analyzed Microsoft SQL Server and Access geo-databases for data analysis and map creation. Configured and customized ESRI ArcPad mobile GIS applications & Trimble Geo-Series GPS equipment for field data collection efforts, such as Orlando's Sunrail Commuter Rail. Designed & Administered SharePoint implementation, receiving recognition from South Florida Water Management District for document management projects. Partnered with Business Development efforts to develop creative and effective solutions for proposal development and corporate communication.



**CLAY SMITHERS  
GEOSPATIAL CLIENT SOLUTIONS LEAD  
ENGLAND-THIMS & MILLER, INC.**

**Publix Supermarkets, Information Systems (Systems Analyst)**

Implemented IT product solutions through performance of analysis of I/S program & project management processes, governance, time & expense reporting and performance tracking. Led development & implementation team for department-wide PMO. Technical lead and developer of .NET based facility, construction and real estate tracking applications.

**IBM Business Consulting Services (Learning & Knowledge Consultant )**

Developed and led international HR outsourcing strategy & sales conferences for executive staff and other sales personnel. Developed and led instructional design of Global Blue Consulting, an ongoing, training program for new technical consultants. Developed and led bi-weekly company orientation for IBM's onboarding program.

**PricewaterhouseCoopers (Consultant)**

Provided program design and development for a Client Relationship Management system development for Executive Compensation firm. Managed and served as technical lead for international, new consultant training programs, focused on computer program design and development, as well as consulting and project management skills.



### EDUCATION:

MS, Geographic Information Science, GIS Administration, University of West Florida, 2018

BA, Physical Geography & Psychology, Honors, Northern Michigan University, 2003

### YEARS OF EXPERIENCE:

Total: 15  
with ETM: >1

## EMILY VANDENHEUVEL DATA MAPPING ANALYTICS LEAD ENGLAND-THIMS & MILLER, INC.

Ms. Vandenneuvel comes to ETM with more than 15 years of GIS experience. After her GIS internship with the Army Corp of Engineers, she accumulated her experience on projects throughout Florida. As GIS analyst, Emily examines a range of data from the geographical record including aerial photographs, GIS data, old maps, new maps, specialist maps (such as soil and geology maps), satellite data, soil analysis and other environmental samples to discover patterns and trends through spatial mapping. She assists with the development of mapping applications and tools and manages a digital library of various file types.

### PREVIOUS PROJECT EXPERIENCE:

#### GIS/OMS Analyst, Government Services Group (GSG), Longwood, Florida

- Maintained & updated GIS for FGUA (FL Gov't Utility Authority) water & sewer system assets-entered new features & modified GIS to sync with Cartegraph OMS
- Deciphered construction As-Built drawings to digitize new spatially accurate FGUA assets into GIS, using imported CAD files & construction drawings
- Created Data Interoperability extension workflow in ArcGIS to update the 15+ different county parcel GIS & tabular datasets used by the organization, processing and formatting raw data as required
- Designed and created area & thematic maps for FGUA Board documents and public announcements
- Assisted with instruction & training in GIS and Cartegraph OMS for supervisors, management & field personnel

GIS/Resource Coordinator, Environmental Consultants, Inc. (ECI), contractor for Duke Energy, Lake Mary, Florida

- Worked with Transmission Vegetation Management for Duke's FL markets on capital improvement projects, supporting arborists and electric crews
- Tracked & managed project info for Project Manager, including GIS data & maps

#### GIS Analyst, GeoTel Communications, Maitland, Florida

- Digitized fiber optic cable line locations in ArcMap for inclusion in asset management database using PostgreSQL
- Worked with Python scripting & Model Builder to automate digitizing processes
- Used graphic design to create map graphics and infographics in Adobe Illustrator for publishing online and in print

#### GIS Specialist, Holland Board of Public Works, Holland, Michigan

Updated and created public utility maps in ArcGIS 9.1, 9.2 ArcPad and electric grid maps using Trimble GPS unit. Maintained county Landbase DB to include as-builts, CAD files.

#### Park Ranger/GIS Intern, US Army Corps of Engineers, Buckhorn, Kentucky

- Updated & created park maps in ArcGIS & ArcPad, as well as shapefiles using Trimble GPS unit
- Assisted in physical GPS survey of posted Benchmarks within park boundaries.





**SARAH GRIMSLEY**  
**INTERFACE CUSTOMIZATION**  
**ENGLAND-THIMS & MILLER, INC.**



Ms. Grimsley is a detail oriented professional with over three years of experience in the field of Geographic Information Science as a GIS Technician, a GIS Analyst II, and GIS Manager and Asset Systems Manager. Self-motivated individual with extensive knowledge in geospatial technology and formal training in the realms of GIS for use with water utilities on the local government level and substantial experience with environmental analysis (watershed, soil, image, pollution, disaster, natural resources, etc.).

**EDUCATION:**

MS, Geographic Information  
 Science Administration,  
 University of West Florida,  
 2021

BS, Environmental Spatial  
 Analysis, University of  
 North Georgia,  
 2018

**YEARS OF EXPERIENCE:**

Total: 4  
 with ETM: 1

**ASSOCIATIONS:**

American Institute of  
 Steel Construction

American Society of  
 Civil Engineers

**PROJECT EXPERIENCE:**

**GIS & Asset Systems Manager, Clay County Utility Authority, Middleburg, Florida**

- Development and implementation of short and long-term strategic plans, objective, and goals for GIS operations.
- Management of organization's asset management system (Cartegraph).
- Management of organization's fleet GPS application (Networkfleet). Includes monitoring, installing, management of devices, and generating reports.
- Supervision of GIS staff and activities including surveying, GIS, and asset management.
- Plans software installations, upgrades and maintenance to GIS software applications and web-based systems (i.e., ArcGIS Pro, Server, Enterprise, Portal, Cartegraph OMS, etc.)
- Performed database administrative and maintenance functions on organization's ArcGIS Enterprise System, as needed.
- Data mining, collection, storage, manipulation, and analysis of data using ArcGIS software, in addition to Safe's Feature Manipulation Engine.
- Management and design of ArcGIS Workflow Manager.
- Oversaw use of ArcGIS Data Reviewer within department.
- Generation of requested maps, tables, and/or graphic reports.
- Extensive understanding of water utility engineering design (potable, reclaimed, wastewater), standards, and as-builts.

**GIS Analyst II, Clay County Utility Authority, Middleburg, Florida**

- Spatial data analysis relevant to organization's water utility system data.
- Generation of requested maps, tables, and/or graphic reports.
- Development and maintenance of online maps and applications using ArcGIS Enterprise Portal for use both within and outside of the organization (public use).
- Custom Python script development to continue to improve workflows within the organization.
- Data manipulation using Feature Manipulation Engine (FME) and ArcGIS Data Interoperability.
- Oversaw, analyzed, and customized organization's asset management system (Cartegraph). Also included automating workflows, software development, roll-out to departments, training of users within organization, and maintenance.



- QA/QC of all GIS and As-built updates.
- ArcGIS Data Reviewer design and maintenance.
- Assisted GIS Manager with design and maintenance of ArcGIS Workflow Manager.
- Designed and maintained implementation of GIS workflows and cartographic design from ArcMap to ArcGIS Pro.

**GIS Technician & Soil Investigation Assistant, Georgia Soil Mapping, Watkinsville, Georgia**

- Responsible for building and managing geodatabases within a GIS (ESRI 10.5xx, ESRI ArcGIS Pro, & QGIS 2.18.15).
- Import/Export data between AutoDesk CAD software (AutoCAD Mechanical 2017) and GISystems.
- Data conversion between Google Earth KML, CAD, and GISystem shapefiles.
- Planned and executed soil surveys in accordance with Georgia Public Health requirements for the purpose of obtaining permits for on-site sewage management systems (septic).
- Field work including soil sampling, locating site features and proposed house locations, recording sampling points, and other necessary data via Forge Echo handheld GPS unit.
- On-site consultations with clients including individual landowners, builders, engineers, and land surveyors.
- Geospatial model development of models that produce parcel maps to be used as base maps in Level 3 Soil Investigation reports required by Georgia (county) Environmental Health Departments.

**GIS Research Analyst, University of North Georgia, Gainesville, Georgia**

- Conducted undergraduate research which included comparing the soil moisture (SMAP data) of Houston, Texas both prior and post Hurricane Harvey in order to create a Flood Potential model in ArcGIS for Desktop 10.5.
- SMAP data (Soil Moisture Active Passive) data was collected via satellite that measures the amount of water in the top 5 centimeters of soil on Earth's surface.
- After the creation of the Flood Potential Model used in the analysis for soil moisture prior to and following Hurricane Harvey, related the results of the flood potential analysis to the massive amounts of regional flooding that occurred in the Houston area following Harvey.
- Used the Flood Potential Model for the state of Georgia and updated it, also using SMAP data for the state of Georgia.

# 5. Ability to Become Quickly Familiar with Local Conditions

## TABLE OF CONTENTS

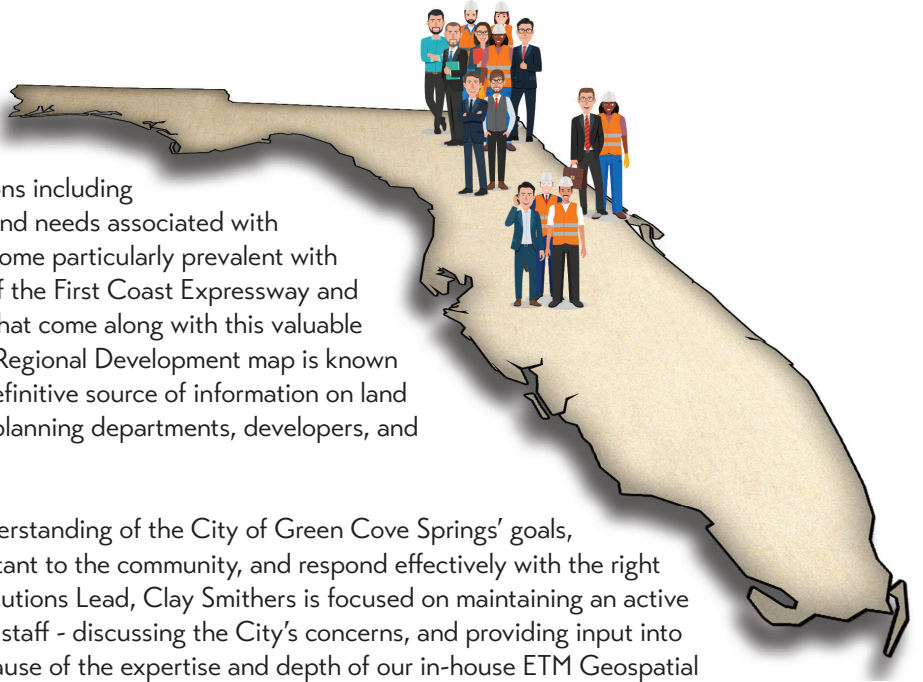
## ABILITY TO BECOME QUICKLY FAMILIAR WITH LOCAL CONDITIONS 5.

ETM's vast experience working in Northeast Florida, gives us unique and deep-rooted knowledge of local conditions including regulations, relationships, and needs associated with future growth. This will become particularly prevalent with the ongoing construction of the First Coast Expressway and the development projects that come along with this valuable regional connectivity. Our Regional Development map is known throughout the area as a definitive source of information on land ownership information for planning departments, developers, and engineering firms.

To develop a thorough understanding of the City of Green Cove Springs' goals, understand the data important to the community, and respond effectively with the right solution, our GIS Client Solutions Lead, Clay Smithers is focused on maintaining an active relationship with the City's staff - discussing the City's concerns, and providing input into the final solution. And because of the expertise and depth of our in-house ETM Geospatial Technologies team, we can assign the appropriate personnel to accomplish each project deliverable.

The approach our team will implement when developing the City a web-based GIS system is based on functional and data requirements developed with the Department of Economic Opportunity and the City of Green Cove Springs.

Our team will first review and define general queries and scripts to identify potential development or redevelopment sites that fit within an interested party's requirements based on location, acreage, land use, zoning, utility availability, and community services. Once the review is complete and core parcel data query and analysis requirements are identified, we will begin development of the GIS database, related map layers and report functionality.






### **IMPLEMENTATION SCHEDULE**

ETM understands the time constraints to fully implement this project by June 15, 2021. Timely support services by City staff will help achieve a successful implementation.



The logo for ETM, featuring the letters 'ETM' in a bold, white, sans-serif font. The 'E' is stylized with a horizontal bar that extends to the left and then curves back to the right, creating a unique, modern look. The letters are set against a dark purple background within a rounded rectangular box.

14775 Old St. Augustine Rd.  
Jacksonville, FL 32258

 904-642-8990

 904-646-9485

[www.etminc.com](http://www.etminc.com)