

May 24, 2024

Gail Mowry, City Engineer  
City of Gainesville, Public Works  
405 NW 39th Ave, Gainesville, FL 32609  
MowryGL@cityofgainesville.org  
352.334.5070

**RE: Stormwater Data Collection Project – GIS Services | ETM No. Pending**

Dear Gail Mowry:

Pursuant to your request, England, Thims & Miller, Inc. (ETM) an Esri Gold Partner is pleased to submit a professional services fee proposal to the City of Gainesville for consulting services to support the Stormwater Data Collection Project.

**Task 1 – GIS Support Services for the Stormwater Data Collection Project**

**Place of Performance:** Virtual/Remote/On-site

**Contract Length:** Up-to 1 Year (Dependent on Funding and Fiscal Year Restrictions)

**Project Approach:**

ETM will assign a dedicated team to support the Geographic Information System (GIS) environment build-out, setup, and configuration for the City of Gainesville’s ‘Stormwater Data Collection Project’.

As part of the project and scoped services, ETM will perform the following but not limited to consulting services:

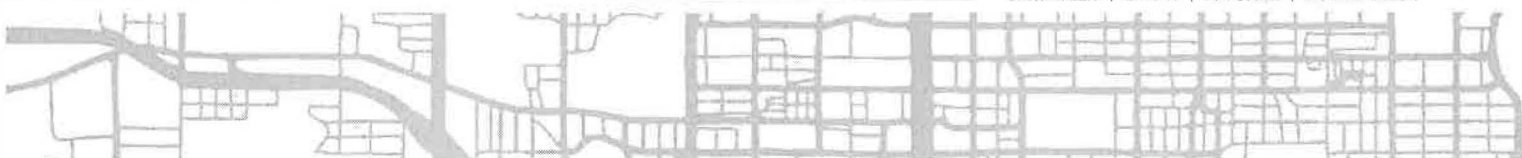
- Build-out an interactive mobile solution to support field data collection that includes the ability to capture pictures that leverages Esri software technology
- Create and configure all necessary data schema to support the stormwater project
- Integrate Esri’s feature layers into the City of Gainesville’s Esri ArcGIS Online or Enterprise software to streamline data transfer
- Leverage ETM’s ArcGIS Online or Enterprise software and licensing to support the project
- Build-out an Esri Dashboard and Experience Builder applications to monitor and review project progress
- Perform routine progress and QA/QC measures to ensure data integrity and quality
- Attend and provide routine status updates virtually or via email communication to the City of Gainesville
- Support the City of Gainesville’s team and review existing stormwater data to ensure the ETM field team captures all necessary information
- At the conclusion of the project, download and provide an additional copy of the project data

**Project Coordination and Support:**

ETM will provide a dedicated resource to the City of Gainesville and will conduct routine check-in meetings and be available for assistance as needed. Along with the dedicated resource, the City of Gainesville will have access to the rest of ETM’s geospatial technologies group as needed to help support goals and objectives.

Task 1 - Cost Budget **	
Cost	\$38,000

**\*\* Not to exceed without prior approval.  
See Cost Breakdown Table Below**



**Task 1 – Cost Breakdown:**

Role	Rate	Hours	Cost
GIS Programmer	\$185	40	\$7,400
GIS Analyst	\$155	80	\$12,400
GIS Technician	\$140	130	\$18,200
	<b>SUM</b>	<b>250</b>	<b>\$38,000</b>

**‘SEE ATTACHED CONTRACT FOR RATES’**

**Task 2 – Stormwater Field Data Collection**

ETM’s team will collect field data on specific stormwater assets, as specified by the City of Gainesville, using Esri’s Field Maps software.

As part of the project and scoped services, ETM will perform the following but not limited to consulting services:

- The data collected will be stormwater pipe diameter dimensions and type of material.
- Photographs of each pipe along with a description of the conditions of said pipes and the drainage structures they reside in will also be collected.
- The field data will be entered into the Field Maps handheld software, where it will be downloaded into our Geospatial Technologies team’s GIS database built specifically for this project.
- Stormwater asset information will be ascertained to the best of our ability based on site conditions, accessibility to the facilities, condition of facilities and age of facilities.
- In the event that certain pipes are recessed in their respective drainage structures to the extent we cannot accurately determine pipe diameter size and/or pipe material,
- ETM will rely on any as-builts the City of Gainesville can provide.
- ETM will collect as much of the project area data as possible, within the negotiated timeframe and budget.
- **Future allocations may need to be considered, given the size of the project area.**

**Task 2 – Cost Breakdown:**

Role	Rate	Hours	Cost
Survey Field Crew	\$225	1,831	\$412,000
	<b>SUM</b>	<b>1,831</b>	<b>\$412,000</b>

**‘SEE ATTACHED CONTRACT FOR RATES’**

The ETM team estimates that, with the available funding, we can complete the following data collection within approximately 129 days (+/-):

**Current Data Gaps:**

- 5,270 pipes with missing attributes
- 4,653 structures connected to those pipes with missing attributes

**Estimated Data Collection:**

- Baseline Estimate: 71% coverage, equating to approximately 3,302 structures
- With Provisional Additions (Task 3): Up-to 74% coverage, equating to approximately 3,463 structures

**Task 3 – Stormwater Field Data Collection (Optional – Provisional)**

ETM’s team will collect field data on specific stormwater assets, as specified by the City of Gainesville, using Esri’s Field Maps software.

As part of the project and scoped services, ETM will perform the following but not limited to consulting services:

- The data collected will be stormwater pipe diameter dimensions and type of material.
- Photographs of each pipe along with a description of the conditions of said pipes and the drainage structures they reside in will also be collected.
- The field data will be entered into the Field Maps handheld software, where it will be downloaded into our Geospatial Technologies team’s GIS database built specifically for this project.
- Stormwater asset information will be ascertained to the best of our ability based on site conditions, accessibility to the facilities, condition of facilities and age of facilities.
- In the event that certain pipes are recessed in their respective drainage structures to the extent we cannot accurately determine pipe diameter size and/or pipe material,
- ETM will rely on any as-builts the City of Gainesville can provide.
- ETM will collect as much of the project area data as possible, within the negotiated timeframe and budget.
- **Future allocations may need to be considered, given the size of the project area.**

**Task 3 – Cost Breakdown:**

Role	Rate	Hours	Cost
Survey Field Crew	\$225	89*	\$20,000
	<b>SUM</b>	<b>89*</b>	<b>\$20,000</b>

**‘SEE ATTACHED CONTRACT FOR RATES’**

**\*Not to exceed ~89 hours OR \$20,000**

**Items Not Included**

- |   |  |  |
|---|--|--|
| <ul style="list-style-type: none"> <li>• ALTA/Land Title Review</li> <li>• Topographic Survey</li> <li>• Jurisdictional Wetlands Survey</li> <li>• Mean High Water Line Survey</li> </ul> | <ul style="list-style-type: none"> <li>• Tree Survey</li> <li>• Excavation of Underground Foundations</li> <li>• Construction Layout</li> <li>• Plat Preparation</li> <li>• As-Built Survey</li> </ul> | <ul style="list-style-type: none"> <li>• Plat Processing for Recordation</li> <li>• Document Processing for Recordation</li> <li>• County Plat Review</li> <li>• Sketch and Legal Description</li> </ul> |
|---|--|--|

Please indicate your agreement with this proposal by signing in the space provided and return one copy to our office.

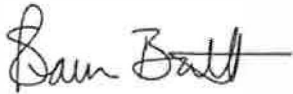
If you should have any questions or require additional information, please call. Thank you for this opportunity to be of professional service.

Sincerely,

**England-Thims & Miller, Inc.**



Daniel Johns, GISP  
Director of Geospatial Technologies



Shawn Barnett  
EVP, Survey and Geospatial Technologies

Accepted \_\_\_\_\_ day  
this \_\_\_\_\_

of \_\_\_\_\_, 2024

By: \_\_\_\_\_

For: City of Gainesville

Its: \_\_\_\_\_