

where people matter

City of Loganville

Public Utilities
Brandon Phillips
Director

P.O. Box 39
Loganville, GA 30052

Tel: 770-466-3240

Staff Report Department of Public Utilities

To: Honorable Mayor Baliles and Members of the City Council

Through: Danny Roberts, City Manager

From: Brandon Phillips, Director of Utilities

Date: February 9, 2023

Subject: TerraMark Mapping Contract 2023-2027

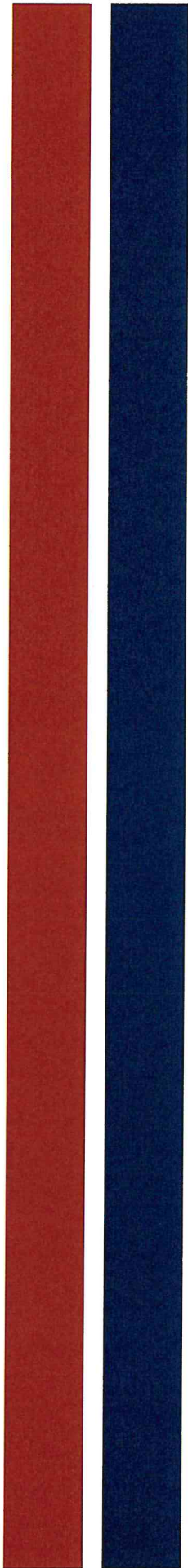
RECOMMENDATION:

Staff recommends the City Council approve the 5-year contract for TerraMark Mapping Services. The contract allows for the Utility Department to have updates to our GIS mapping system and inspections performed each year on our stormwater infrastructure. This is a budgeted item totaling \$24,000.00 per year.

BACKGROUND:

The Utility Department is required by the State to inspect 20% of our stormwater infrastructure per year in order to remain in compliance with our permit. TerraMark performs all inspections to our stormwater infrastructure with the exception of detention ponds.

The City uses the mapping system to locate utilities, assist with planning of development, and to conduct our required maintenance. By using the TerraMark Mapping Services it allows us to also keep the GIS system current and operating efficiently.



City of Loganville
GIS Proposal
Fiscal Year 2023—2027

City of
Loganville
where people matter

SUBMITTED BY:

TERRAMARK LAND SURVEYING, INC.

1396 BELLS FERRY ROAD

MARIETTA, GEORGIA 30066-6084

PHONE: 770-421-1927

SURVEYING • **MAPPING** • GEOSPATIAL • **LIDAR / SfM** • UAV / UAS SERVICES
"Serving Our Clients Since January 2003"



February 1, 2023

Mr. Brandon Phillips, Director of Utilities
City of Loganville
4303 Lawrenceville Road
Loganville GA 30052

Re: GIS Budgetary Proposal

Mr. Phillips:

Based on your request, **TerraMark** has prepared this GIS Budgetary Proposal for your review. We have included items which **TerraMark** has performed in previous years as well as some new items for your consideration. Each task is broken out into the services you serve: Potable Water, Sanitary Sewer and Stormwater.

Sincerely,
TerraMark Land Surveying, Inc.

Wendell C. Hand, GISP
GIS Project Manager

Paul B. Cannon, RLS
President

WCH:wch

cc: file

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1.0 POTABLE WATER

TASK 1—WATER UPDATES

This involves **TerraMark** importing water line information from as-built plans provided by the Loganville planning department. Populating attribute information regarding pipe size and pipe material. **TerraMark** will also GPS field locate the observed fire hydrants and water valves. Work also includes uploading the database to the city's ESRI ArcOnline mapping system.

2.0 WASTEWATER

TASK 1—SEWER UPDATES

This involves **TerraMark** importing sewer information from as-built plans provided by the Loganville planning department. Populating attribute information regarding pipe inverts, pipe size and pipe material. Work also includes uploading the database to the city's ESRI ArcOnline mapping system.

3.0 STORMWATER

TASK—1 YEARLY INSPECTIONS

This task involves **TerraMark** performing the ~20% yearly inspections for the annual Environmental Protection Division (EPD) MS4 Stormwater report.

Storm Water Structures	No
Structure Type	Not Applicable
Best Management Practice	Unknown
Bridge	Yes
Box Culvert	Illicit Notes
Catch Basin	Debris Depth
Control Structure	1/5 Full
Drop Inlet	2/5 Full
Flared End Section	3/5 Full
Flume	4/5 Full
Headwall	5/5 Full
Junction Box	No Debris
Plain Pipe End	Not Applicable
Spring Box	Unknown
Trench Drain Inlet	Debris Type
Virtual Structures	Debris
Yard Inlet	Grass
Cover	Leaves
Grate	No Debris
Manhole Lid	Not Applicable
Not Applicable	Rocks
Solid	Silt
Unknown	Trash
Material	Unknown
Brick	Water
Brick and Concrete	Cleaning Assessment
CMP	Excellent
CMU	Fair
CPP	Good
DIP	Immediate Cleaning
HDPE	Not Applicable
Not Applicable	Poor
Other	Unknown
Poured Concrete	Cleaning Required
Precast Concrete	No
PVC	Not Applicable
RCP	Unknown
Unknown	Yes
VCP	Condition Assessment
Wood	Excellent
Active Flow	Fair
No	Good
Not Applicable	Immediate Cleaning
Unknown	Not Applicable
Yes	Poor
Illicit Discharge	Unknown

Condition Comment	Paved Invert
Maintenance Required	Unknown
Clean	Active Flow
Clean & Repair	No
None	Not Applicable
Not Applicable	Unknown
Repair	Yes
Replace	Illicit Discharge
Unknown	No
Maintenance Comment	Not Applicable
Pole Camera	Unknown
No	Yes
Yes	Illicit Notes
Structure Pictures	Debris Depth
Conveyances	1/5 Full
Conveyance Shape	2/5 Full
Arch Pipe	3/5 Full
Box Culvert	4/5 Full
Elliptical Pipe	5/5 Full
Natural Channel	No Debris
Not Applicable	Not Applicable
Rectangular Channel	Unknown
Round Pipe	Debris Type
Trapezoidal Channel	Debris
Unknown	Grass
Conveyance Height	Leaves
Conveyance Width	No Debris
Material	Not Applicable
Brick	Rocks
CEP	Silt
CIP	Trash
CMP	Unknown
CPP	Water
DIP	Cleaning Assessment
Earthen	Excellent
Grassy	Fair
HDPE	Good
Not Applicable	Immediate Cleaning
Other	Not Applicable
Poured Concrete	Poor
Precast Concrete	Unknown
PVC	Cleaning Required
RCP	No
Unknown	Not Applicable
VCP	Unknown
Liner Material	Yes
Bituminous	Condition Assessment
Bituminous with Paved Invert	Excellent
CIPP	Fair
None	Good
Not Applicable	Immediate Cleaning

Not Applicable
 Poor
 Unknown
 Condition Comment
 Maintenance Required
 Clean
 Clean & Repair
 None
 Not Applicable
 Repair
 Replace
 Unknown
 Maintenance Comment
 Conveyance Photos

The following items are **NOT** inspected by **TerraMark** but are updated in the database based on as-built drawings provided by the City of Loganville Planning Department. These items are to assist the city in their inspections efforts.

Outfalls

Ponds

Dry Detention
 Grass Channel
 Wet Detention Pond
 Wet Pond

TASK 2—STORMWATER UPDATES

This involves **TerraMark** importing stormwater information from as-built plans provided by the Loganville planning department. **TerraMark** will populate attribute information regarding pipe inverts, pipe size, pipe material, structure type and structure information. This work also includes uploading the database to the city's ESRI ArcOnline mapping system.

5.0 COST PROPOSAL

Task	Manhours	Rate	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028
1.1 Water updates	TBD	\$85/hr.	as needed	as needed	as needed	as needed	as needed
2.1 Sanitary Sewer updates	TDB	\$85/hr.	as needed	as needed	as needed	as needed	as needed
3.1 Stormwater Inspections	n/a	\$30/structure	\$24,000	\$24,000	\$24,000	\$24,000	\$24,000
3.2 Stormwater updates	TBD	\$85/hr.	as needed	as needed	as needed	as needed	as needed
YEARLY TOTAL			\$24,000	\$24,000	\$24,000	\$24,000	\$24,000
MONTHLY TOTAL			\$2,000	\$2,000	\$2,000	\$2,000	\$2,000



1396 Bells Ferry Road
Marietta, Georgia 30066
(770)-421-1927
(770)-421-0552 (fax)

**“Attachment B”
BILLING RATES
EFFECTIVE: JANUARY 1, 2023**

Labor:

Registered Land Surveyor (Principal).....	\$135.00
Project Manager (RLS).....	\$125.00
Project Manager.....	\$108.00
Senior Survey Technician.....	\$ 98.00
Survey Technician.....	\$ 90.00
Survey Crew (2 Person).....	\$150.00
Survey Crew (3 Person).....	\$180.00
Survey Crew (Building Layout).....	\$160.00
GIS Technician.....	\$ 85.00
GIS Data Collector (1 Person).....	\$ 70.00
Robotic Crew (1 Person).....	\$ 95.00
GPS Crew (1 Person).....	\$ 95.00
Crew Chief (Project Oversight).....	\$ 75.00
Clerical.....	\$ 55.00

Expenses:

Reproduction.....	Cost
Travel (meals, lodging).....	Cost
Mileage, Stakes and Miscellaneous Supplies.....	No Charge
Sub Consultants.....	Cost +3%

NOTES: Charges for survey crews will begin at the time of departure and end at the time of return to their home base. If less than one day’s field work is ordered, standard hourly rates will be charged with a minimum of \$450.00.

The fees and rates in this schedule are subject to escalation after a period of six months from the effective date above, and annually thereafter.