


**Waggoner Engineering, Inc.
And Madison County Board of Supervisors
Task Order Form**

Task Order No. 8	
Additional Pages Attached: 2	
Date of Task Order: _____, 2023	
TASK ORDER TO THE GENERAL SERVICES AGREEMENT BETWEEN WAGGONER ENGINEERING, INC. AND MADISON COUNTY BOARD OF SUPERVISORS	

This Task Order to the General Services Agreement between Waggoner Engineering, Inc. and Madison County Board of Supervisors (MCBOS) dated July 6, 2020, is a part of, and is subject to all the terms and conditions of the Agreement unless specifically provided otherwise herein.

1. **Project Name:** MCBOS Emergency Management - GIS Initiative
2. **Project Number:** 101.2300358.000

3. **Project Manager for Client:** Albert Jones

4. **Project Manager for Waggoner:** Garrett Clarke

5. **Method of Compensation:** Hourly

6. **Task Order Compensation:** \$25,000

7. **Scope of Work (see additional pages attached):** See Attached

8. **Schedule of Performance** See Attached Scope of Work & Schedule
(see additional pages
attached):

9. **Approved Subconsultants:** N/A

10. **Special Provisions:** N/A

IN WITNESS WHEREOF, the parties hereto have caused this Task Order to be executed by their duly authorized representatives effective as of the date set forth above.

Madison County Board of Supervisors

WAGGONER ENGINEERING, INC.

By: _____

By: _____

Title: _____

Title: _____

Madison County Board of Supervisor

Emergency Management - GIS Initiative



November 2023

A. BACKGROUND

Emergency Management responsibilities involve planning and leading responses to natural, man-made and technological disasters and other emergencies. Emergency Management plays a leading role in the response efforts during and after emergencies. In times of disaster, data driven by Geographic Information Systems (GIS) Technology can be a genuine lifesaver. Using GIS in Emergency Management has been proven to have a significant effect on reducing the impact of, responding to, and recovering from a significant event. With roughly 109,812 residents, Madison County can benefit from having GIS technology and spatial analysis methods to pinpoint, chart and assess potential weaknesses, enabling quicker response during incidents and up to date mapping of recovery efforts.

In Madison County, there is a GIS repository that keeps track of e911 addresses, schools, neighborhoods, roads, and boundaries for municipalities and politics. The aim of this GIS initiative is to establish an inventory of the County's Utility Infrastructure, which includes water, sewer, electrical, gas, and telecom services. This will enhance the efficiency of emergency management throughout preparedness, emergency, and recovery operations.

An important part of this effort is preparing the County's GIS Group to manage and maintain this utility geodatabase. To guarantee success, the County needs an assessment of its hardware, software, procedures, and personnel. The plan is to develop a strategy for managing a county-wide GIS utility geodatabase in order to ensure the County's success.

B. SCOPE OF WORK

Project Planning and Scoping

Task 1 - Hold a collaborative session with key Madison County Personnel (Emergency Management, Public Works and others) to gather critical data that will set the foundation for this process and scope. This will include:

1. Develop a list of utilities for which Data is needed (there are 28 identified utility providers within Madison County -13 Water Providers, 7 Sewer Providers, 3 Electrical Providers, 4 Gas Providers and 1 Telecom Providers).
2. Identify the point of contact for each identified utility within Madison County.
3. Compile all available utility data the County currently has.

Task 2 – Facilitate a strategy meeting, assess current state of each utility service provider, and develop a scope of work with associated cost to create a county-wide infrastructure GIS database for emergency management purposes.

Consultant will perform the following tasks:

1. Facilitate a Strategy Meeting with the Emergency Management Director and the identified Utility Services Providers.
2. Assess the available infrastructure information for each of the identified Utility Service.
3. Define the Project Tasks, Activities and Resources Needed to obtain and integrate the necessary data into the County’s geodatabase.
4. Work with Madison County to qualify how this utility geodatabase will be maintained and updated.

Task 3 - Assess the County's GIS group and develop a scope of work with associated cost to prepare the County’s GIS group to successfully manage a County-wide Utility Infrastructure GIS Repository for emergency management purposes.

Consultant will perform the following task:

1. Meet with the County’s GIS Staff to Assess Current State of Group, operating procedures for GIS systems the internal existing GIS systems and their operating procedures, software/hardware systems data security and necessary redundancy protocols.

Task 4 – Once all of this information has been obtained, Waggoner will provide a report summarizing findings, data gaps and recommendations for the creation and the maintenance of the geodatabase of utilities for use by the Emergency Management function of Madison County.

C. PROJECT SCHEDULE

Waggoner Engineering, Inc. will perform and complete all work associated with the scope following MCBOS approval and execution of this Task Order, to be completed within six (6) weeks.

D. COMPENSATION SCHEDULE

Waggoner will perform the services described above on an hourly basis. Any additional services and reimbursables will be billed on an hourly basis. The estimated cost for the work described above is as follows:

Task	Compensation Terms	Proposed Budget
Project Planning and Scoping	Hourly	\$ 25,000

Electric	
1	Entergy Mississippi, Inc.
2	Canton, City of
3	Mississippi Power Company
Gas	
1	Canton, City of
2	CenterPoint Energy Resources Corp.
3	Atmos Energy Corporation
4	Noram Energy Corp.
Water	
1	Bear Creek Water Assn., Inc.
2	Cameron Community Water System, Inc.
3	Canton, City of
4	East Madison Water Assn., Inc.
5	Flora, Town of
6	Hinds-Rankin Metro Water & Sewer Assn.
7	Jackson, City of
8	Lake Lorman Utility District
9	Madison, City of
10	North Hinds Water Assn., Inc.
11	Pearl River Valley Water Supply District
12	Town of Ridgeland
13	West Madison Utility District
Sewer	
1	Bear Creek Water Assn., Inc.
2	City of Canton
3	Hinds-Rankin Metro Water & Sewer Assn.
4	Lake Lorman Utility District
5	Madison, City of
6	Ridgeland, Town of
7	West Madison Utility District