



**AMENDMENT TO PROFESSIONAL SERVICES AGREEMENT  
City of Madison  
City Project No. 22-006  
Garver Project No. 2302105**

**AMENDMENT NO. 1**

This Amendment No. 1, effective on the date last written below, shall amend the original contract between the City of Madison, Alabama (“**Owner**”) and Garver, LLC (“**Garver**”), dated December 12, 2023 (the “**Agreement**”).

This Amendment No. 1 adds Services for the Palmer Road Approaches and Bridge Replacements over Bradford Creek and Mill Creek Project.

The Agreement is hereby modified as follows:

**SECTION 2 – SCOPE OF SERVICES**

Section 2.1 of the Agreement is hereby amended as follows: Garver will utilize Building & Earth Sciences, Inc. (BES) as a subconsultant to perform Geotechnical Investigations and prepare a foundations report for Contech to utilize in design of the foundations for pedestrian bridges over Bradford Creek and Mill Creek at Palmer Park. B&ES proposal is attached hereto as Exhibit A.

**SECTION 3 – PAYMENT**

Section 3.1 of the Agreement is hereby amended as follows: For the additional services described in this Amendment No. 1, Owner will pay Garver an hourly, not-to-exceed amount of \$9,300.75.

**EXHIBITS**

The following Exhibits are attached to and made a part of this Amendment No. 1:

- EXHIBIT A – Subconsultant Proposal
- EXHIBIT B – Compensation Schedule

This Amendment may be executed in two (2) or more counterparts each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

**IN WITNESS WHEREOF**, Owner and Garver have executed this Amendment effective as of the date last written below.

**City of Madison, Alabama**

**Garver, LLC**

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

By: Scott C. Leach

Name: Paul Finley

Name: Scott C. Leach

Title: Mayor

Title: Senior Project Manager

Date: \_\_\_\_\_

Date: JUNE 3, 2024

Attest: \_\_\_\_\_

Attest: Keaton Bueck



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Huntsville, AL 35801  
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May 31, 2024

Garver  
5125 Research Drive NW  
Huntsville, Alabama 35805

Attn: Mr. Scott Leach, P.E.

Subject: Proposal to Provide Subsurface Exploration and  
Geotechnical Engineering Evaluation  
Palmer Park Pedestrian Bridges  
Madison, Alabama  
Building & Earth Proposal No. HV26137

Dear Mr. Leach:

Building & Earth Sciences, Inc. is pleased to submit this proposal to provide subsurface exploration and geotechnical consultation services for the Palmer Park Pedestrian Bridges project located at Palmer Park in Madison, Alabama. This proposal documents our understanding of the proposed construction, outlines our approach to the work, and presents a budget for our services.

**PROJECT INFORMATION**

Project information was provided via email from Mr. Leach with Garver to Mr. Jeff Pepper with Building & Earth. A .pdf document with the project description and an aerial map of the proposed bridge locations was provided.

The project will consist of two pedestrian bridges within the park. One bridge addition will span the Bradford Creek crossing and one will span the Mill Creek crossing. The bridges are each anticipated to span 60 feet, with a 1-foot bridge beam plus deck thickness. We understand the bridges will align with existing pedestrian paths. Finished grade elevations of 641 feet and 635 feet, respectively, are anticipated for the Bradford Creek crossing and the Mill Creek crossing. A grading plan was not available at the time of this proposal, however, based on the provided .pdf document, we anticipate minimal cuts and fills will be required to reach final grades. Structural loading information was also not available at the time of this proposal; however, we have assumed abutment loads will

be less than 50 kips. If actual loading conditions exceed our anticipated loads, Building & Earth Sciences should be allowed to review the proposed structural design and its effects on our recommendations for foundation design.



**Figure 1. Pedestrian Bridge Crossing Locations**

### **GEOTECHNICAL SCOPE OF SERVICES**

The purpose of the geotechnical exploration will be to determine general subsurface conditions at the site and to gather data on which to base a geotechnical evaluation with respect to the proposed construction. The information gathered from the proposed exploration will be evaluated to determine a suitable foundation type for the proposed structures and to help determine if any special procedures will be required during the site preparation phase of the project. The work will include soil test borings, laboratory analysis, and an evaluation appropriate to address the geotechnical aspects of the proposed construction.

Our scope of work is divided into three phases:

### Phase 1: Coordination & Field Exploration

- Coordination and Scheduling: We plan to use our subcontract drillers to drill this site and will coordinate our work with you.
- Utility Clearances: We will call AL811 for utility clearances.
- Accessibility: Based on existing site features, it appears that our drilling equipment will be able to access the proposed new construction locations
- Drilling and Sampling: We will perform a total of four soil test borings to a depth of 20 feet or auger refusal, whichever occurs first, with one boring located at each of the proposed bridge abutments. Standard penetration testing (SPT) in accordance with ASTM D1586 will be performed at 2-½ foot intervals in the upper 10 feet and at 5-foot intervals thereafter. We will also attempt to collect relatively undisturbed samples in accordance with ASTM D1587. Borings will be located in the field using a handheld GPS.
- Groundwater: After drilling the hollow stem auger borings, we will measure the groundwater level at the end of the day.

### Phase 2: Laboratory Testing

The quantity and nature of the laboratory tests we perform will vary depending upon the type of soil encountered. Based on the drilling scope and requested geotechnical evaluations, we anticipate performing the following laboratory tests:

Test	ASTM	No. of Tests
Natural Moisture Content	D2216	25
Atterberg Limits	D4318	2
Particle Size Distribution (Hydrometer)	D7928	2
One-Dimensional Consolidation Test	D2435	2

### Phase 3: Engineering Analysis and Reporting

The results of the investigation will be documented in a written report that will address the following items:

- Site geology and potential impact on the site development.
- Summary of existing surface conditions.
- A description of the subsurface conditions encountered at the soil test boring locations including a description of the groundwater conditions observed in the boreholes during drilling.

- Presentation of laboratory test results.
- Recommendations to be used for foundation design, including appropriate foundation types, bearing pressures, depths, and estimated settlement.

### **EXCLUDED SERVICES**

The following services are specifically excluded from our scope of services:

- Surveying boring locations.
- Site grading recommendations.
- Pavement recommendations.
- Seismic design recommendations.
- Environmental sampling and testing

### **FEE AGREEMENT**

#### **Base Services Fee:**

<b>Task</b>	<b>Fee</b>
Phase 1: Coordination and Field Exploration	\$4,250
Phase 2: Laboratory Testing	\$1,775
Phase 3: Engineering Analysis and Reporting	\$1,375
<b>TOTAL</b>	<b>\$7,400</b>

The cost of our services will be based on the amount of work necessary to evaluate the geotechnical conditions for planning and design purposes. If conditions are encountered that require additional analysis, we will discuss a modified work scope with your office. We will not exceed the estimated budget without prior authorization.

***We understand that the proposed fees for this project will be incorporated into existing Garver project with Building & Earth: Project No. 2302105 Palmer Road Bridge Replacements.***

After issuance of the FINAL report, any additional revisions, client meetings, and/or consultations will be billed on a unit fee basis for a Geotechnical Professional at a rate of **\$150/hr.**

## SITE ACCESS AND UTILITIES

It appears that the proposed bridge locations will be accessible to our drilling equipment. We will notify the Alabama One Call service to locate buried utility lines. Additionally, we request that the owner identify any buried utilities at the site. Building & Earth Sciences, Inc. will not be held responsible for damage to any unmarked utility lines. Regrading and revegetation of areas disturbed by our drilling equipment is not included. Borings will be backfilled with auger cuttings.

## AUTHORIZATION AND SCHEDULE

We have attached a copy of a Standard Proposal Acceptance Form, which, when signed and returned to Building & Earth, will serve as authorization to proceed with the proposed scope of work. Changes to the work scope by virtue of design changes or unusual subsurface conditions should also be authorized in writing.

We anticipate that the field exploration could be started within ten business days of receiving written authorization to proceed. We anticipate the field exploration will be completed in one day. The written report will be available within fifteen business days following the completion of the field exploration. We will discuss the site conditions with you during the course of the work and can provide preliminary recommendations as the work proceeds. Weather may extend the time required for the field exploration (and overall schedule) if rainy days occur prior to or after commencement of the exploration.

## CLOSING

We appreciate the opportunity to submit this proposal for subsurface exploration and geotechnical engineering services for the proposed construction and look forward to working with you on this project. If you have any questions regarding this proposal, please contact the undersigned.

Respectfully submitted,  
**BUILDING & EARTH SCIENCES, INC.**



Kevin Edmondson, P.E.  
Branch Manager



Jeff Pepper, P.E.  
Chief Engineer





**Garver - Estimated Labor Requirements and Anticipated Personnel**  
**Amendment No. 1 Palmer Park Pedestrian Bridges over Bradford Creek and Mill Creek**

EXHIBIT - B

31-May-24

ITEM	Sr. Project Manager, E-6	Professional Surveyor, S-5	2-Man Survey Crew (GPS)	Technician, T-1	Total
Scott Leach, PE @ \$275/HR	Wade Carpenter, PLS @ \$185/HR	Kevin Stack, Logan Barker @ \$230/HR	Sydney Light @ \$100/HR		
Project Coordination, Meetings and QA/QC					
Project Coordination with B&ES and City	2.5	0.25			\$687.50
Develop and Execute Quality Control Plan & QA/QC Reviews					\$46.25
Stake Boreholes for B&ES Geotech					
Stake Boreholes for B&ES Geotech, Gather X,Y,Z coordinates	0.1	3	0.25		\$733.50
Process data and submit to B&ES	0.1		0.25		\$43.50
Subconsultant Services					
Geotech Investigations and Foundations Report (B&ES, Inc.)					\$7,400.00
Subconsultant Subtotal (includes 5% sub-administration) =					
					\$7,770.00
Estimated Direct Cost for reproductions, copies, mileage, etc.					
					\$20.00
Total Hours	2.5	0.45	3	0.5	
Hourly Rate	\$275.00	\$185.00	\$230.00	\$100.00	\$0.00
Cost	\$687.50	\$83.25	\$690.00	\$50.00	\$0.00

Total Fee = \$9,300.75