

January 20, 2025

City of Madison Engineering Department
100 Hughes Road
Madison, AL 35758

Attention: Ms. Michelle Dunson, P.E. (michelle.dunson@madisonal.gov)

Subject: Proposal to Provide Construction Materials Testing and
Inspection Services for
Palmer Park Pedestrian Bridges
Madison, Alabama
Building & Earth Proposal No. HV27025

Dear Ms. Dunson:

Building & Earth Sciences, Inc. is pleased to submit this proposal to provide construction materials testing and special inspection services for the subject projects. Building & Earth has significant experience on similar projects. This proposal outlines our understanding of the project, scope of services, and associated fee.

PROJECT INFORMATION

The subject site is located at Palmer Park in Madison, Alabama. We understand that the proposed construction will consist of two new pedestrian bridges. Building & Earth performed the geotechnical exploration and published a report titled "*Report of Subsurface Exploration and Geotechnical Evaluation*", Project No. HV240108, dated July 10, 2024. Our experience with similar projects, and our familiarity with the project site, uniquely qualifies Building & Earth to perform these materials testing and special inspection services. The project will consist of foundation installation observation and concrete testing.

FOUNDATION OBSERVATION

We will check the bearing surface of all foundations for adequate soil stability. These inspections will also include an observation of the foundation size, general location, and

cleanliness to include loose soil, groundwater, and trash removal. We have assumed a total of four 4-hour visits by a Field Engineer. Our cost estimate for foundation observations is **\$2,610**.

CONCRETE TESTING SERVICES

A Building & Earth engineering technician will perform concrete field testing services. This includes casting specimens for compressive strength testing as well as completing associated field tests in accordance with project specifications. Sets of five concrete cylinders will be cast **every 100 cubic yards or fraction thereof** for each placement as required by specifications. We have assumed the following:

- Foundations – 4 visits @ 4 hrs each
- Bridge Decks – 2 visits @ 8 hrs each

The associated laboratory testing and reporting is included in this portion of the estimate. cost estimate for this portion of the work is **\$7,710**.

BUDGET SUMMARY

Foundation Observations.....	\$2,610
Concrete Testing Services.....	\$7,710
TOTAL.....	\$10,320

This budget summary is only an estimate based on the number and length of visits outlined in our assumptions above. The final amount of the contract will be based on the contractor’s schedule and the actual duration and number of visits required to perform the tests and inspections required by the client. Our services will be charged in accordance with the attached Unit Fee Schedule. All visits will be charged portal-to-portal.

ADDITIONAL SERVICES

Additional services provided by Building & Earth but not included in this proposal include, but are not limited to:

- Retests for failing tests or inspections.
- Overtime for daily tasks that exceed 8-hrs, weekend, or holiday work.
- NPDES stormwater inspections.
- Asphalt placement observation and testing.
- Concrete slab floor flatness and levelness (FF/FL) testing.

Additional services not quantified and priced in this proposal will be provided upon request at our standard unit rates.

AUTHORIZATION

We have attached a copy of a Standard Proposal Acceptance Form, which, when signed and returned to Building & Earth, will serve as our authorization to proceed with the proposed scope of work. Changes to the work scope by virtue of design changes or unusual subsurface conditions should be authorized in writing. Any work that is outside of our scope will be billed as additional services in accordance with the attached fee schedule.

Note that our presence on the site does not alleviate the contractor's contractual responsibility to perform their work in accordance with the project specifications. Our field observations and tests are for the benefit of the client and are not intended to replace the contractor's responsibility for quality control, or responsibility for the performance of their work. Our presence is not a guarantee or warrantee against future problems.

CLOSING

We appreciate the opportunity to submit this proposal and look forward to working with you on this project. Please direct any questions regarding this proposal to the undersigned.

Respectfully submitted,
BUILDING & EARTH SCIENCES, INC.



Kevin Matthews
CMT Project Manager



Jeff Pepper, P.E.
Chief Engineer/Principal

Attachments: Unit Rate Fee Schedule
General Terms and Conditions



Building & Earth Sciences, Inc. 2025 CMT Fee Schedule

Geotechnical, Environmental, and Materials Engineers

PERSONNEL

Clerical Services.....	\$50.00/hour
Engineering Technician.....	\$65.00/hour
ICC Special Inspector.....	\$100.00/hour
Field/Staff Professional or Engineer.....	\$110.00/hour
Certified Firestopping Inspector.....	\$120.00/hour
Structural Steel/Wood Framing Inspector (CWI/NDT).....	\$125.00/hour
Project Manager.....	\$150.00/hour
Professional Engineer, P.E.....	\$175.00/hour
Sr. Professional Engineer, P.E.....	\$200.00/hour
Project Principal, P.E.....	\$250.00/hour

LABORATORY TESTING

Standard Proctor Test (<i>ASTM D-698</i> or <i>AASHTO T-99</i>).....	\$150.00/each
Modified Proctor Test (<i>ASTM D-1557</i> or <i>AASHTO T-180</i>).....	\$175.00/each
Atterberg Limits Determination.....	\$100.00/each
Material Finer than No. 200 Sieve (washed).....	\$100.00/each
Moisture Content Tests.....	\$20.00/each

CONCRETE AND AGGREGATE TESTING

Concrete Cylinders.....	\$25.00/each
Grout or Mortar Cubes.....	\$30.00/each
Concrete Beams (Flexural Strength).....	\$100.00/each
Floor Flatness/Levelness Testing.....	\$500.00/episode
Concrete Moisture Transmission & pH Test.....	\$100.00/each

ASPHALT TESTING

Cutting Cores.....	\$150.00/each
Asphalt Layer Thickness.....	\$50.00/each
Asphalt, Maximum Theoretical Density.....	\$100.00/each
Asphalt, Marshall Stability & Flow.....	\$150.00/each
Asphalt, Extraction/Gradation.....	\$150.00/each

MISCELLANEOUS

Trip Charge (site within 25 miles of office).....	\$50.00/trip
Mileage (site outside of 25 miles of office).....	\$1.00/mile
Equipment Rental (Nuclear Gauge, Concrete Equipment, etc.).....	\$50.00/day

- The personnel rates will be billed portal to portal, with a 4 hour minimum charge per day.
- Overtime applies for hours worked in excess of eight (8) hours per day or for work performed on weekends or holidays. Overtime will be billed at a rate of 1.5 times the normal unit rates.
- Engineering review of 0.25 hours per report is typically required for report review, distribution, and incidental consultation. Project coordination time will be billed according to the time required for scheduling.



INFORMATION SHEET

PROJECT NAME/LOCATION: Palmer Park Pedestrian Bridges (CMT) Madison, AL

PROPOSAL/PROJECT NO. HV27025 **DATE:** 1/20/2025

CLIENT: City of Madison Engineering Department

FOR PAYMENT OF CHARGES:

Charge invoice to the account of:

Firm: _____

Address: _____

Phone: _____ **Fax:** _____ **Email:** _____

Attention: _____ **Title:** _____

FOR APPROVAL OF CHARGES:

If the invoice is to be mailed to someone other than the account charges, please indicate where to mail the invoice in the space below:

Firm: _____

Address: _____

Phone: _____ **Fax:** _____ **Email:** _____

Attention: _____ **Title:** _____

REPORT DISTRIBUTION:

Firm: _____ **Firm:** _____

Address: _____ **Address:** _____

Attention: _____ **Attention:** _____

Email: _____ **Email:** _____

SERVICES: See Consultant's Proposal

PAYMENT: See Consultants Proposal

