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March 19, 2024

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Savannah, Georgia 31406
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Subject: Construction Materials Testing and Special Inspection Services Cost Proposal
Clarence E. Morgan Gym Additions
Effingham County, Georgia

Whitaker Laboratory, Inc. (Whitaker) thanks you for the opportunity to submit this proposal to perform construction materials testing and inspection services for the above referenced project. The estimate is based on an assumed average number of trips, hours and inspections. After your review, if it is felt additional or fewer trips or testing is needed, please contact us and we can discuss adjusting the estimated budget.

Required Inspections and Testing:

- 1705.1.1 Special Cases
- 1705.2.1 Structural Steel
- 1705.2.2 Cold Formed Steel Deck
- 1705.3 Concrete
- 1705.4 Masonry
- 1705.6 Soils
- 1705.11.2 Cold Formed Wind Resistance
- 1705.11.3 Wind Resisting Components
- 1705.12.3 Cold Formed Steel Light Frame Seismic Resistance
- 1705.12.5 Architectural Components Seismic Resistance
- 1705.12.6 Plumbing, Mechanical and Electrical Seismic Resistance
- 1705.17 Fire Resistant Penetrations and Joints
- Site Testing

A handwritten signature in blue ink, appearing to be "R. Armstrong", is written over the list of inspections.

Please note, it is the **contractor's responsibility** to schedule any and all inspections listed on the schedule of special inspections. All inspections listed on the schedule of special inspections will need to be performed before a Final Letter of Special Inspections is submitted and a Certificate of Occupancy is provided by the Governing Body. If necessary, any inspections checked "Y" that are not applicable to the project will need to be addressed prior to construction to avoid confusion. This is typically handled with a revised schedule of special inspections.

1705.1.1 Special Cases:

Post Installed Anchor Inspections: (Estimated ±2 trips)

- Inspector time, (±3) hours @ \$95.00 / hour.....\$285.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$125.00 fee.....\$125.00
- *Estimated per trip total*..... ±\$505.00
- **Total estimated budget for task**..... **±\$1,010.00**

1705.2.1 Structural Steel:

Periodic Visual Inspections: (Estimated ±3 trips)

- Inspector time, (±3) hours @ \$95.00 / hour.....\$285.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$125.00 fee.....\$125.00
- *Estimated per trip total*..... ±\$505.00
- **Total estimated budget for task**..... **±\$1,515.00**

1705.2.2 Cold Formed Steel Deck:

Periodic Visual Inspections: (Estimated ±2 trips)

- Inspector time, (±3) hours @ \$95.00 / hour.....\$285.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$125.00 fee.....\$125.00
- *Estimated per trip total*..... ±\$505.00
- **Total estimated budget for task**..... **±\$1,010.00**

1705.3 Concrete Construction:

Concrete Pours for Foundations: (Estimated ±3 trips)

- Technician time, (±4) hours @ \$55.00 / hour\$275.00
- Cylinders, estimated (±4) per trip @ \$15.00 / each\$60.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$100.00 fee / report\$100.00
- *Estimated per trip total*..... ±\$530.00
- **Total estimated budget for task**..... **±\$1,590.00**

Concrete Pours for SOG: (Estimated ±2 trips)

- Technician time, (±5) hours @ \$55.00 / hour\$275.00
- Cylinders, estimated (±8) per trip @ \$15.00 / each\$120.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$100.00 fee / report\$200.00
- *Estimated per trip total*..... ±\$690.00
- **Total estimated budget for task**..... **±\$1,380.00**

Reinforcement Inspections: (Estimated ±5 trips)

- Inspector time, (±2) hours @ \$95.00 / hour\$190.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$125.00 fee\$125.00
- *Estimated per trip total*..... ±\$410.00
- **Total estimated budget for task**..... **±\$2,050.00**

1705.4 Masonry Construction:

Grout Pours: (Estimated ±10 trips)

- Technician time, (±3) hours @ \$55.00 / hour\$165.00
- Grout Specimens, estimated (±3) @ \$15.00 / each.....\$45.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$100.00 fee / report\$100.00
- *Estimated per trip total*..... ±\$405.00
- **Total estimated budget for task**..... **±\$4,050.00**

Mortar Proportion: (Estimated ±2 trips)

- Lab Technician time, (±1) hour @ \$75.00 / hour\$75.00
- Technician time, (±2) hours @ \$55.00 / hour (pick up sample)\$110.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$125.00 fee / report\$125.00
- *Estimated per trip total*..... ±\$405.00
- **Total estimated budget for task**..... **±\$810.00**

Reinforcement Inspections: (Estimated ±10 Reports)

- In an effort to lower costs, we are assuming we can perform these inspections on the same trip as the grout pours.
- Engineer review and reporting, minimum \$125.00 fee\$125.00
- **Total estimated budget for task**..... **±\$1,250.00**

1705.6 Soils:

Foundation Inspections: (Estimated ±3 trips)

- Technician time, (±3) hours @ \$55.00 / hour\$165.00
- Trip fee\$50.00
- Equipment fee\$50.00
- Engineer review and reporting, minimum \$125.00 fee / report\$125.00
- *Estimated per trip total*..... ±\$390.00
- **Total estimated budget for task**..... **±\$1,170.00**

Soil Density Testing for Building Pad: (Estimated ±3 trips)

- Technician time, (±3) hours @ \$55.00 / hour\$165.00
- Compaction Testing, (±6) tests @ \$25.00 / each\$125.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$125.00 fee / report\$125.00
- *Estimated per trip total*..... ±\$510.00
- **Total estimated budget for task**..... **±\$1,530.00**

Laboratory Testing:

- Lab Technician time, (±1) hour @ \$75.00 / hour\$75.00
- Soil Proctor, (1) @ \$100.00 / each\$100.00
- Soils Gradation, (1) @ \$100.00\$100.00
- Engineer review and reporting, minimum \$125.00 fee / report (1 report).....\$125.00
- **Total estimated budget for task**..... **±\$400.00**

1705.11.2 Cold Formed, 1705.11.3 Wind Resisting Components and 1705.12.3 Cold Formed Steel Light

Frame Seismic:

Periodic Visual Inspections: (Estimated ±3 trips)

- Inspector time, (±3) hours @ \$95.00 / hour.....\$285.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$125.00 fee.....\$125.00
- *Estimated per trip total*..... ±\$505.00
- **Total estimated budget for task**..... **±\$1,515.00**

1705.12.5 Architectural Components Seismic:

Periodic Visual Inspections: (Estimated ±2 trips)

- Inspector time, (±3) hours @ \$95.00 / hour.....\$285.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$125.00 fee.....\$125.00
- *Estimated per trip total*..... ±\$505.00
- **Total estimated budget for task**..... **±\$1,010.00**

1705.12.6 Plumbing, Mechanical and Electrical Seismic:

Periodic Visual Inspections: (Estimated ±1 trip)

- Inspector time, (±3) hours @ \$95.00 / hour.....\$285.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$125.00 fee.....\$125.00
- *Estimated per trip total*..... ±\$505.00
- **Total estimated budget for task**..... **±\$505.00**

1705.17 Fire Resistant Penetrations and Joints:

Periodic Visual Inspections: (Estimated ±1 trip)

- Inspector time, (±3) hours @ \$95.00 / hour.....\$285.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$125.00 fee.....\$125.00
- *Estimated per trip total*..... ±\$505.00
- **Total estimated budget for task**..... **±\$505.00**

Final Letter of Special Inspections:

- **Total estimated budget for task**..... **±\$250.00**

Site Testing:

Site Inspections / Proof rolls: (Estimated ±1 trip)

- Technician time, (±3) hours @ \$55.00 / hour\$165.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$125.00 fee / report\$125.00
- *Estimated per trip total*..... ±\$385.00
- **Total estimated budget for task**..... **±\$385.00**

Soil Density Testing Areas Outside of the Building Pad: (Estimated ±4 trips)

- Technician time, (±3) hours @ \$55.00 / hour\$165.00
- Compaction Testing, (±4) tests @ \$25.00 / each\$100.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$125.00 fee / report\$125.00
- *Estimated per trip total*..... ±\$485.00
- **Total estimated budget for task**..... **±\$1,940.00**

Stone Base Density Testing: (Estimated ±1 trip)

- Technician time, (±3) hours @ \$55.00 / hour\$165.00
- Compaction Testing, (±4) tests @ \$25.00 / each\$100.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$125.00 fee / report\$125.00
- *Estimated per trip total*..... ±\$485.00
- **Total estimated budget for task**..... **±\$970.00**

Concrete Pours for Sidewalks: (Estimated ±1 trip)

- Technician time, (±3) hours @ \$55.00 / hour\$165.00
- Cylinders, estimated (±4) per trip @ \$15.00 / each\$60.00
- Trip fee\$50.00
- Equipment fee\$45.00
- Engineer review and reporting, minimum \$100.00 fee / report\$100.00
- *Estimated per trip total*..... ±\$420.00
- **Total estimated budget for task**..... **±\$420.00**

Asphalt Placement Inspections: (Estimated ±1 trip)

- Technician time, (±5) hours @ \$55.00 / hour\$275.00
- Trip fee\$50.00
- Equipment fee\$50.00
- Engineer review and reporting, minimum \$125.00 fee / report\$125.00
- *Estimated per trip total*..... ±\$500.00
- **Total estimated budget for task**..... **±\$500.00**

Asphalt Coring for Thickness and Density: (Estimated ±1 trip)

- Technician time, (±4) hours @ \$55.00 / hour\$220.00
- Trip fee\$50.00
- Core Wagon Daily fee.....\$350.00
- Bit Wear, (3) cores @ \$50.00 / each\$150.00
- **Total estimated budget for task**..... **±\$770.00**

Laboratory Testing:

- Lab Technician time, (±3) hours @ \$75.00 / hour\$225.00
- Stone Base Proctor, (1) @ \$175.00 / each\$175.00
- Asphalt Core Density, (3) @ \$50.00 / each\$150.00
- Asphalt Extraction Gradation with Marshal, (1) sample @ \$175.00 / each\$175.00
- Engineer review and reporting, minimum \$125.00 fee / report (2 reports).....\$250.00
- **Total estimated budget for task**..... **±\$975.00**

NPDES:

In accordance with your recent request, below is our firm's estimate to perform NPDES stormwater monitoring services for the above-referenced project.

1. Perform weekly and periodic rain inspections by Georgia EPD qualified personnel to check on erosion control measures and/or Best Management Practices (BMP's).
2. Collect qualifying rain event samples.
3. Perform analytical testing of water samples collected during qualify rain events.
4. Performing all applicable reporting and record keeping for the inspections we conduct.

Prior to the start of any (NPDES) monitoring project, an initial inspection of all Best Management Practices (BMP's) must be performed before soil disturbance or clearing and grading begins. At such time, an initial turbidity sample must be collected from any and all "outfall" or "discharge" point(s). If there is no sign of a discharge at the sampling point(s) at the time of the initial inspection, then, upon the first rain even, Whitaker Laboratory, Inc. must be notified by the on-site contractor or superintendent in order that an initial turbidity sample, or samples, may be collected in order to set a baseline for the construction project.

Our unit costs to perform the services outlined above are as follows: (Estimated 300 days)

- *Perform sampling, weekly & periodic inspections by GA EPD qualified personnel (trip)..... ±\$300.00
- NTU analyses on qualifying water samples (each)..... \$20.00
- **Estimated total..... ±\$12,800.00**

*Assumes (2) hours of inspector time total. Additional hours will be billed at \$75.00 / hour.

(Please note that daily monitoring activities required in the permit will need to be performed by the contractors "qualified" (blue card) representative. Also, we will need to be notified when the jobsite experiences over ½" of rain so that the necessary follow-up inspections can be performed. We can also perform the required monthly inspections at an additional fee, if desired.) Also, any electronic reporting required per the 2018 NPDES General Permit via the GEOS system will need to be submitted by the RO (Responsible Official).

Based upon the above provided scope of services, technician hours, number of trips and number of tests, Whitaker Laboratory recommends budgeting ±\$27,510.00 for Special Inspections and Materials Testing Services and ±\$12,800.00 for NPDES Services. Additional services, trips and hours outside the above scope will result in additional charges in excess of the estimated budget. Please note that onsite / virtual meetings and budget analysis will be billed at \$150.00 / hour.

Whitaker Laboratory has used an assumed construction schedule to help arrive at the above estimated budget. Without knowing the actual extent to which testing will be requested, (i.e. construction schedule and number of trips) an absolute testing total cannot be provided. The number of failing tests and the time-of-day testing is performed are also unknown factors which contribute to fluctuations in total price. As such, actual billing will be performed in accordance with our standard unit pricing.

Please note, the client or contractor will be responsible for providing suitable storage / curing for all concrete test specimens so as to satisfy the requirements of ASTM-C-31. If desired, upon notification, Whitaker can provide curing devices for an additional fee.


Testing and/or inspections will not be performed unless they are specifically requested by an authorized contractor, subcontractor or owner representative. We will be relying on on-site personnel to notify us when testing is required. Overall, the actual extent in which testing is requested will determine the overall testing bill. Therefore, the individuals responsible for scheduling our services should be familiar with our proposal in an effort to limit expenses.

If the above proposal is acceptable, please sign below indicating your acceptance of this proposal and your authorization for Whitaker Laboratory to proceed with work. Once signed please email or fax to us at (912) 233-5061.

Effingham County Board of Commissioners, Tina Callanan, County Manager
Responsible Party Financially Obligated

Tina Callanan 804 S. Laurel St., Spfld, GA 31329
Responsible Party Name & Address

TCallanan@EffinghamCounty.org 912-754-2111
Responsible Party email Address & Phone #


Responsible Party Signature

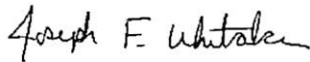
04-22-2024
Date Invoice Terms: Existing accounts in good standing – (Net 30 days from Invoice Date)
New accounts or past due accounts - (Due in full prior to Whitaker's release of report)

**In the event of non-payment in accordance with the above terms, client agrees to pay for any and all collection and/or attorney fees necessary to receive full payment for the work / report / investigation performed.*

Note: All Time Is Portal to Portal (travel to and from the site) Will Be Billed.

We thank you for this opportunity and we look forward to working with you on this project. If you have any questions concerning this cost proposal, please telephone us at (912) 234-0696 or via email.

Respectfully submitted,
WHITAKER LABORATORY, INC.



Joseph F. Whitaker, PE
Vice President



Clayton D. Kicklighter
Quality Assurance



WHITAKER LABORATORY, INC.
Schedule of Testing Fees and Services (as of 1/1/2024)
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GENERAL BASIC SERVICES B
 (Additional Fees Will Apply for Certain Items) *
 *See the important notes at the end of our rate sheet

A. SOIL TESTING

• Furnish technician to perform field tests	per hour (<i>straight time</i>)	\$55.00
	per hour (<i>overtime</i> *)	\$80.00
• Moisture Density Tests (Proctor)		
ASTM-D-698	each	\$100.00
ASTM-D-1557	each	\$150.00
• Soil Density Tests for Sand Cone or Nuclear Method (<i>Minimum 3 tests per trip, i.e. \$75.00 minimum charge</i>).....		
	each	\$25.00
• Soil Gradation Test	each	\$100.00
• Atterberg Limits Test.....	each	\$100.00
• One-Point Compaction Trial.....	each	\$35.00
• Dynamic Cone Penetrometer Tests (DCP)	per trip	\$50.00
• Equipment Fee (minimum).....	each	\$45.00

B. CONCRETE TESTING

• Cure and test concrete cylinders / grout / mortar made by Whitaker Laboratory personnel (<i>applies to spares also</i>)	each	\$15.00
• Cure and test concrete beams made Whitaker Laboratory personnel (<i>applies to spares also</i>)	each	\$60.00
• Cure and test concrete cylinders made by contractor's personnel..	each	\$25.00
• Cure and test concrete beams made by contractor's personnel....	each	\$50.00
• Compressive Strength of Block Prisms.....	each	\$50.00



WHITAKER LABORATORY, INC.
 Schedule of Testing Fees and Services (as of 1/1/2024)
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BASE AND PAVEMENT TESTING CONT...

- Furnish single technician and equipment to core paving sections per hour (*straight time*) \$55.00
 per hour (*overtime **) \$80.00
- Coring machine.....per day per job \$300.00
- Cores/Bit Wear (\$10.00/inch)..... each \$25.00 minimum
- Perform Aggregate Gradations each \$150.00

D. PILE MONITORING

- Furnish labor, calibrated jack and miscellaneous small tools to perform load test.....per test \$2000 to \$3000
- Furnish technician to perform pile monitoring services per hour (*straight time*) \$75.00
 per hour (*overtime **) \$100.00

E. MISCELLANEOUS / CLERICAL

- Furnish technician to check torque of bolted connections and / or perform a visual inspection of welded connections
 ICC Structural Steel / Welding Technician..... per hour \$95.00
 AISC Technician per hour \$105.00
- Miscellaneous sample and travel time to obtain samples, etc. per hour (*straight time*) \$55.00
 per hour (*overtime **) \$80.00
- Trip Charges (*charges will be divided among contractors when applicable*) per trip Per Location
 Chatham and Bryan County per trip \$100.00
 HAAF per trip \$120.00
 FT. STEWART per trip \$160.00
- Equipment fee (*minimum fee*)..... per trip \$45.00
- Accreditation surcharge (*this will apply to projects where the specifications require the testing lab to meet AASHTO, CCRL, COE or ASTM certifications*) per day \$25.00



WHITAKER LABORATORY, INC.
Schedule of Testing Fees and Services (as of 1/1/2024)
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MISCELLANEOUS / CLERICAL CONT...

- **Compression (Cylinder) Report fee (*minimum fee*)..... per report \$100.00
- **All Other Report fees (*minimum fee*)..... per report \$125.00
- Bolt Inspection Equipment (*Torque Wrench*)..... per trip \$150.00
- Bolt Inspection Equipment (*Skidmore*) per trip \$250.00
- Faxed reports (*only when applicable*)..... per event \$10.00
- Nuclear gauge (when applicable) per day \$50.00
- CCIP Payroll Report Fee per month \$50.00
- Clients Requiring Reports be sent with Invoices.....per month (light volume) \$50.00
- Clients Requiring Reports be sent with Invoices..... per month (heavy volume) \$100.00

****Note: Report fees may vary depending on the time spent preparing and distributing report**

F. VIBRATION AND/OR CRACK GAUGE MONITORING

- Furnish vibration monitorper month Varies
- Furnish trained technician to set-up, read, maintain / service equipment
 Including setup and recovery of equipment
 per hour \$125.00
 Including setup and recovery of equipment
- Engineer to prepare report, review data and/or visit site per hour \$200.00
- Crack Gauge (minimum 3) each \$75.00



WHITAKER LABORATORY, INC.
Schedule of Testing Fees and Services (as of 1/1/2024)
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G. HOURLY FEES

• Professional Engineer	per hour	\$200.00
• Project Manager.....	per hour	\$150.00
• Quality Control Supervisor.....	per hour	\$75.00
• Senior Field Technician (<i>straight time</i>)	per hour	\$55.00
(<i>overtime</i>).....	per hour	\$80.00
• Special Inspector (<i>straight time</i>).....	per hour	\$95.00
(<i>overtime</i>).....	per hour	\$135.00

H. SUPPORT STAFF

• Secretary	per hour	\$25.00
• Senior Laboratory Technician	per hour	\$75.00
• Draftsman	per hour	\$75.00
• Copies of report(s)	per cost (secretarial time & 0.11/sheet for materials)	

I. SETTLEMENT PLATE MONITORING

• Survey Crew.....	per hour	\$150.00
• (1) Technician	per hour	\$ 75.00
• Settlement Plate Assembly.....	each	\$425.00
• Report Fee.....	each	\$125.00

J. NPDES MONITORING

• Perform sampling, weekly & periodic inspections by GA EPD qualified personnel.....	per hour	\$ 75.00
• Perform chemical (NTU) analyses on qualifying water samples.....	per sample	\$ 20.00
Report Fee.....	per report	\$100.00
• Compile and issue monthly report.....	per month	\$150.00



WHITAKER LABORATORY, INC.
Schedule of Testing Fees and Services (as of 1/1/2024)
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*** NOTES ON STRAIGHT TIME AND OVER TIME:**

- Straight time (*7:00 a.m. - 3.00 p.m., Monday through Friday*)
- Overtime* (*all other times*)
 - * *Only applies to weekends / holidays & concrete / asphalt services*

NOTE 1: A minimum of (1) hour onsite time will be billed on all projects.

NOTE 2: All time is portal to portal (travel to and from the site) will be billed.

