

2022-0138

**INTRODUCED BY: MATTHEW JEWELL, PARISH PRESIDENT
(DEPARTMENT OF WASTEWATER)**

ORDINANCE NO. 22-5-16

An ordinance approving and authorizing the execution of a Professional Services Agreement with GeoEngineers, Inc., to perform engineering services for the Oxidation Pond Hwy. 3127 Project (Project No. S190902), in the amount not to exceed \$67,285.00.

WHEREAS, the Parish desires to construct a new oxidation pond along Highway 3127 in Hahnville to treat and transfer wastewater from the existing force main to the adjacent wetlands; and,

WHEREAS, a Geotechnical Investigation must be completed in order for recommendations to be incorporated into the final design of the pond; and,

WHEREAS, the Professional Services Agreement between St. Charles Parish and GeoEngineers, Inc. describes the details of the proposed services and compensation.

THE ST. CHARLES PARISH COUNCIL HEREBY ORDAINS:

SECTION I. That the Professional Services Agreement between St. Charles Parish and GeoEngineers, Inc., for the Oxidation Pond Hwy. 3127 Project (Project No. S190902), in the amount not to exceed \$67,285.00 is hereby approved and accepted.

SECTION II. That the Parish President is hereby authorized to execute said agreement on behalf of St. Charles Parish.

The foregoing ordinance having been submitted to a vote, the vote thereon was as follows:

YEAS: BILLINGS, FONSECA, DARENSBOURG GORDON, CLULEE, GIBBS,
DUFRENE, BELLOCK, FISHER
NAYS: NONE
ABSENT: FISHER-CORMIER

And the ordinance was declared adopted this 16th day of May, 2022, to become effective five (5) days after publication in the Official Journal.

CHAIRMAN: Bob Fisher
SECRETARY: Michelle Lapato
DLVD/PARISH PRESIDENT: May 17, 2022
APPROVED: ✓ DISAPPROVED: _____

PARISH PRESIDENT: Matt Jewell
RETD/SECRETARY: May 18, 2022
AT: 2:31pm RECD BY: [Signature]

PROFESSIONAL SERVICES AGREEMENT

THIS AGREEMENT made and effective as of the 13th day of July, 2022 by and between ST. CHARLES PARISH acting herein by and through its President, who is duly authorized to act on behalf of said Parish, hereinafter called the OWNER, and GEOENGINEERS, INC., a corporation and/or limited liability company acting herein by and through its Contracting Officer, hereinafter called CONSULTANT, duly authorized by corporate resolution or certificate of authority attached hereto and made a part hereof. Whereas the Owner desires to employ a professional consulting firm to perform consulting work and services for OXIDATION POND HWY. 3127 Project No. S190902 as described in Ordinance No. 22-5-16 which is attached hereto and made a part hereof.

1.0 GENERAL TERMS

The Owner agrees to employ the Consultant and the Consultant agrees to perform professional services required for the project described above. Consultant will conform to the requirements of the Owner and to the standards of the agencies participating with the Owner in the Project. The Consultant will coordinate all work between the Owner and all participating agencies and regulating agencies, if needed. Written authorization to begin different phases of the project will be given to the Consultant by the Owner, including Conceptual, Preliminary Design, Final Design, Bidding Assistance and Construction and Services. The Owner may terminate the Contract by written notification and without cause per Section 11.0 during any phase of the project.

The Consultant shall at all times during this Agreement maintain a valid Louisiana Consulting License and any other applicable licenses necessary for performance of the Project.

All work shall be under the direction of the Owner, and all plans, specifications, etc. shall be submitted to the Owner and all approvals and administration of this contract shall be through the Owner.

2.0 PROJECT

- 2.1 The Owner hereby contracts with the CONSULTANT to perform all necessary professional services in connection with the project as defined as follows:

OXIDATION POND HWY. 3127
Project No. S190902

- 2.2 The Project consist of the scope of services and work as defined in Attachment "A" hereto.
- 2.3 Consultant shall perform all scope of services and work in accordance with the Schedule as defined in Attachment "B" hereto unless otherwise mutually agreed upon by the parties in writing.
- 2.4 The Consultant agrees to comply with all Federal, State, and Local Laws and Ordinances applicable to the scope of services and work or in entering any other agreement with any another party to complete the work.

3.0 SERVICES OF CONSULTANT

- 3.1 Consultant shall provide Owner professional work and services in all phases of the Project to which this Agreement applies and as hereinafter provided to properly plan and execute the work on the project(s) assigned to the Consultant. These services may include but may not be limited to serving as Owner's professional consulting representative for the Project, providing professional consultation and advice, and furnishing customary civil, surveying, geotechnical, structural, mechanical, electrical, instrumentation and control consulting services and construction consulting and inspection.
- 3.2 Services provided by the Consultant shall be performed in accordance with generally accepted professional consulting practice at the time and the place where the services are rendered.
- 3.3 Consultant shall obtain from Owner authorization to proceed in writing for each phase of the Project.
- 3.4 Consultant shall provide minutes of all meetings with St. Charles Parish regarding any phase of the Project.
- 3.5 Consultant shall provide work and services to complete the project, including all necessary services described herein or usually implied as a prerequisite for the performance of the services whether or not specifically mentioned in this agreement, including attendance by the Consultant at project conferences and public hearings.
- 3.6 The Phases of the Project are as defined in Attachment "A".

4.0 OWNERSHIP OF DOCUMENTS

- 4.1 Documents including but not limited to plans, specifications, maps, basic survey notes, sketches, charts, computations and all other data prepared or obtained under the terms of this authorization shall become the property of the Owner and shall be made available for Owner's inspection at any time during the Project and, shall be delivered to the Owner prior to termination or final completion of the Contract.
- 4.2 Consultant may retain a set of documents for its files.
- 4.3 Reuse of Documents. Any reuse of documents or materials without written authorization or adaptation by Consultant to the specific purpose intended will be at Owner's sole risk and without liability or legal exposure to Consultant or to Consultant's independent professional associates, subcontractors, and consultants.
- 4.4 No materials, to include but not limited to reports, maps or other documents produced as a result of this Contract, in whole or in part, shall be available to Consultant for copyright purposes. Any such materials produced as a result of this Contract that might be subject to copyright shall be the property of the Owner and all such rights shall belong to the Owner, and the Owner shall be sole and exclusive entity who may exercise such rights.

5.0 SUPPLEMENTARY SERVICES

The Consultant shall provide, when requested in writing by the Owner, supplementary services not included in the basic work and services.

The compensation to the Consultant for the supplemental services, when performed by the Consultant, shall be in the form of a lump sum, billable hours, or "not to exceed" hourly rate which is mutually agreeable to the Owner and the Consultant in writing.

Such supplementary services may include the following:

- A. Soil investigations
- B. Laboratory inspection of materials and equipment
- C. Right-of-Way, easement and property acquisition surveys, plats, maps and documents
- D. Any major revisions for which the Consultant is not responsible, that are authorized by the Owner after the completion and approval of either the preliminary or final plans and specifications
- E. Services concerning replacement of any work damaged by fire or other causes during construction
- F. Services made necessary by the default of the contractor in the performance of the construction contract
- G. Services as an expert witness in connection with court proceedings
- H. Traffic consulting if necessary
- I. Topographic Survey

- J. Preparation of Environmental Assessment documents and/or Environmental Permits
- K. If all or part of the work is to be financed by a Federal or State Grant, the Consultant shall assist the Owner in the preparation of the Grant application and with the Grant Administration, unless otherwise specifically agreed upon previously herein.

6.0 DEFECTIVE WORK

During such visits and on the basis of such observations, Consultant may disapprove of or reject Contractor's work while it is in progress if Consultant believes that such work will not produce a completed Project that conforms generally to the Contract Documents or that it will prejudice the integrity of the design concept of the Project as reflected in the Contract Documents

7.0 NOTICE TO PROCEED

The Owner shall notify the Consultant in writing to undertake the services stated in this Agreement, and the Consultant shall commence the services within ten (10) days after receipt of such notification.

If the Owner desires to divide the Project into various parts, a Notice to Proceed shall be issued for each part, and the Owner and the Consultant shall mutually agree upon the period of time within which services for each part of the Project shall be performed.

The Consultant will be given time extensions for delays beyond their control or for those caused by tardy approvals of work in progress by various official agencies, but no additional compensation shall be allowed for such delays.

8.0 PAYMENTS

- 8.1 Owner shall pay Consultant for the performance of work and services as outlined in Attachment "C" to this Agreement.
- 8.2 Payment for Consultant work and services on projects that do not require construction services, such as feasibility studies or drainage studies, shall be made based upon Consultant's estimate of the proportion of the services actually completed at the time of billing and shall be made in partial payments at monthly intervals.
- 8.3 If the Project, or any portion thereof, is not completed for any reason, the final fee for consulting work and services shall be negotiated between Owner and Contractor. If the final fee for work and services is not mutually agreed upon, either party may elect in writing to submit the dispute to mediation. If mediation is not mutually agreed upon, written notice will be submitted to the other party of the intent to submit the dispute to the 29th Judicial District Court of St. Charles Parish, State of Louisiana.

- 8.4 If authorized in writing by Owner, for the performance of, or for obtaining from others Additional Services which are not considered normal or customary consulting, the Owner shall pay Consultant based on monthly invoices submitted by the Consultant, within sixty (60) days of receipt of Consultant's invoice. Consultant shall provide written notice to Owner when no services or work have been performed during a given month.
- 8.5 For Additional Authorized Services provided by the Consultant such as, but not limited to, wetlands permitting, land and right-of-way acquisition, surveying, NPDES and LADEQ permit renewal or acquisition work, etc. Owner shall pay Consultant based on an agreed upon hourly rate(s) between the Owner and Consultant. Payment shall be not-to-exceed based on hourly rates and actual hours worked.
- 8.6 The following documentation shall be required for payment to Consultant and shall be attached to the monthly invoice.
- a. A copy of the Owner's written authorization to perform the service.
 - b. Timesheets for all hours invoiced.
 - c. Invoice copies, logs or other substantiation of non-salary expenses.
- 8.7 For Additional Authorized Services that Consultant acquires from subcontractors and/or subconsultants, Owner shall pay Consultant a fixed sum previously agreed upon by Owner and Consultant, such sum to be established in each case when the scope of the work involved has been determined and before any of the Additional Services are provided. The use of subcontractors and/or subconsultants shall be subject to the provisions set forth in this Agreement. The following documentation shall be required for payment to Consultant and shall be attached to the monthly invoice:
- a. A copy of the Owner's written consent for the subcontractor and/or subconsultant to perform the service stating the Owner's and Consultant's agreed upon fixed sum established for the service performed.
 - b. Evidence that the subcontractor and/or subconsultant is insured as required by this Agreement.
- 8.8 For Supplementary Services described in Section 5, Owner shall pay Consultant for the fee negotiated at the time the work is assigned by the method stipulated in the contract amendment.

9.0 BUDGET LIMITATIONS

The construction budget for this Project shall be determined by the Owner, and the Consultant shall be advised of the budget limitation in writing by the Owner and the Consultant shall indicate his acceptance of same in writing to the Owner. Any subsequent budget revisions shall be confirmed in writing.

If, at the completion of the Preliminary or Design Phase, the Consultant does not concur with the construction budget, he shall so notify the Owner, and the Consultant and Owner shall mutually agree on a revised construction budget prior to any work on the Design Phase.

If no bid is received within the budget limitation and a redesign of the project if required by the Owner, such redesign shall be accomplished by the Consultant at no additional cost to the Owner, provided, however, if the receipt of bids is, for any reason, delayed beyond a period of six (6) months from the date of the completion of the Design Phase the amount stated as the construction budget shall be adjusted, immediately prior to the time bids are received, by use of a construction cost index acceptable to both parties of this agreement.

10.0 FUNDS

No work shall be authorized until funds are established for each individual task.

11.0 TERMINATION OR SUSPENSION

- 11.1 This Agreement may be terminated for any reason by either party upon thirty (30) days written notice.
- 11.2 The Consultant, upon receipt of such notice, shall immediately discontinue all services in connection with the performance of this Agreement and shall proceed to cancel promptly all existing orders and contracts insofar as such orders or contracts are chargeable to this Agreement.
- 11.3 The Consultant shall, as soon as practicable after receipt of notice of termination, submit a statement showing in detail the services performed and payments received under this Agreement to the date of termination.
- 11.4 The Owner shall then pay the Consultant promptly that portion of the prescribed fee to which both parties agree.
- 11.5 Consultant fully acknowledges that no payment will be made for any work performed or expenses incurred after receipt of the termination by either party unless mutually agreed upon in writing.
- 11.6 Failure to meet agreed delivery dates or authorized extensions are considered substantial failures and breach of this contractual agreement by Consultant.

- 11.7 This agreement shall automatically terminate upon satisfactory completion of all services and obligations described herein or three (3) years from the date of its execution, whichever event occurs first.

12.0 INSURANCE

- 12.1 The Consultant shall secure and maintain at his expense such insurance that will protect him and the Owner, from claims under Workmen's Compensation Acts and from claims for bodily injury, death or property damage which may arise from performance of services under this Agreement. Insurance for bodily injury or death shall be in the unencumbered amount of \$1,000,000.00 for one person and not less than \$1,000,000.00 for all injuries and/or deaths resulting from any one occurrence. The insurance for property damage shall be in the unencumbered amount of \$1,000,000.00 for each accident and not less than \$1,000,000.00 aggregate.
- 12.2 The Consultant shall also secure and maintain at his expense professional liability insurance in the unencumbered sum of \$1,000,000.00.
- 12.3 All certificates of insurance SHALL BE FURNISHED TO THE OWNER and shall provide that insurance shall not be cancelled without ten (10) days prior written notice to the Owner. The Owner may examine the policies.
- 12.4 Consultant shall include all subcontractors and/or subconsultants as insured under its policies or shall furnish separate certificates for each. All coverages for subcontractors and/or subconsultants shall be subject to all the requirements stated herein.
- 12.5 Contractor shall secure and maintain at his expense Comprehensive Automobile Liability - Bodily Injury Liability \$1,000,000 each person: \$1,000,000 each occurrence. Property Damage Liability \$1,000,000 each occurrence. The Comprehensive Automobile Liability policy must have coverage for loading and unloading and must include owned, hired and leased autos.
- 12.6 St Charles Parish shall be named as an additional insured on general liability insurance policies.
- 12.7 For all purposes under Louisiana law, the principals of this Contract shall be recognized as the statutory employer of all contract employees as provided in LSA-R.S. 23:1061.
- 12.8 Insurance policies shall be endorsed to provide for a waiver of subrogation in favor of St. Charles Parish for worker's compensation policies. The certificate of insurance shall reference the waiver of subrogation endorsement.
- 12.9 The Worker's Compensation Policy Territory Coverage must include Louisiana.

13.0 INDEMNIFICATION

Consultant shall indemnify and hold harmless the Owner, its employees, agents and representatives, against any and all claims, demands, suits or judgments for sums of money to any party for loss of life or injury or damages to person or property growing out of, resulting from or by any reason of any negligent act by the Consultant, its employees, agents, servants or representatives, while engaged upon or in connection with the services required or performed hereunder.

14.0 WARRANTY

- 14.1 Consultant warrants that it will perform its design services with the degree of skill and to the standard of care required of the consulting profession to meet all Federal, State and Local requirements.
- 14.2 If Consulting Services for project designed by Consultant does not meet those requirements noted herein above, then to the extent that this occurs as a direct result of Consultant's failure to meet the standard of care in its design services, Consultant will indemnify the Parish for Consultant's share of the costs incurred to bring Consulting Services for project to the limitations mandated.
- 14.3 The obligations expressed in Section 14 above in no way limit the Consultant's obligations expressed elsewhere in this Contract.

15.0 EXCLUSIVE JURISDICTION AND VENUE

For all claims arising out of or related to this agreement, CONSULTANT hereby consents and yields to the exclusive jurisdiction and venue of the Twenty-Ninth Judicial District Court for the Parish of St. Charles, State of Louisiana, and expressly waives any (a) pleas of jurisdiction based upon Consultant's residence and (b) right of removal to Federal Court based upon diversity of citizenship.

16.0 OTHER

This Agreement constitutes the entire agreement between the parties. There are no understandings, agreements, or representations, oral or written, not specified within this Agreement. This Agreement may not be modified, supplemented or amended in any manner, except by written agreement signed by both parties.

IN WITNESS WHEREOF, the parties to these presents have hereunto caused these presents to be executed the day, month and year first above mentioned.

WITNESSES:

Jennifer Crisp

Billy Raymond

ST. CHARLES PARISH

Matthew Jewell

By: Matthew Jewell
Parish President

5/18/22

Date:

WITNESSES:

Karen Allen

Jennifer Aguilera

GEOENGINEERS, INC.

David S. Eley

By: David S. Eley, P.E.
Senior Principal

7/13/2022

Date:

ATTACHMENT "A"
PROJECT SCOPE

OXIDATION POND HWY. 3127
Project No. (S190902)

The Scope of Work is as follows:

Geotechnical Investigation is to be completed as required for construction of a new oxidation pond along Highway 3127 in Hahnville. The investigation shall consist of three (3) soil borings within the project site limits, along with laboratory testing, analysis, reporting, and associated project coordination.

An additional soil boring shall be taken at the location of the proposed effluent pump station. Due to its location, being located in the wetlands, the fourth boring will not be taken until the project site has been cleared.

A Coastal Use Permit to encompass all four (4) borings shall also be developed, submitted, and tracked prior to completion of the geotechnical investigation.

GEOTECHNICAL INVESTIGATION

Upon written authorization from OWNER, CONSULTANT (a Licensed Louisiana Geotechnical firm) shall complete a geotechnical investigation including the following elements:

1. (3) three soil borings located within proximity to the project location and (1) one soil boring near the proposed effluent pump station location
2. The borings are to be classified and analyzed as necessary in accordance with accepted industry practices for foundation, pond dike, and roadway design
3. Subsurface exploration data to include soil profile, exploration logs, lab or in-situ test results, and ground water conditions
4. Engineering recommendations for design such as oxidation pond dikes, gravel road section, fill and compaction, etc. and recommendations to be project specific
5. The boreholes are to be backfilled and road surfaces patched in accordance with DOTD requirements (Purple book or later).

PERMITTING

ENGINEER shall develop permit drawings, applications, supporting information and obtain all permits as required for the project, including, but not limited to, the following:

1. Coastal Use Permit through Office of Coastal Management (OCM) through their online Joint Permit Application (JPA)

ENGINEER shall also attend permit meetings as necessary and address all questions and comments received from any agency to ensure receipt of all necessary approvals.

ATTACHMENT "B"
PROJECT SCHEDULE

OXIDATION POND HWY. 3127
Project No. (S190902)

The CONSULTANT shall complete the following phases of the project within the number of days shown after Notices to Proceed:

	<u>Number of Days to Complete</u>
Geotechnical Investigation	180 (includes permitting)

Time for Completion

1. If, through no fault of ENGINEER, such periods of time or dates are changed, or the orderly and continuous progress of ENGINEER's services is impaired, or ENGINEER's services are delayed or suspended, then the time for completion of ENGINEER's services shall be adjusted equitably.
2. If OWNER authorizes changes in the scope, extent, or character of the Project or ENGINEER's services, then the time for completion of ENGINEER's services, and the rates and amounts of ENGINEER's compensation, shall be adjusted equitably.
3. If ENGINEER fails, through its own fault, to complete the performance required in this Agreement within the time set forth, as duly adjusted, then OWNER shall be entitled, as its sole remedy, to the recovery of direct damages, if any, resulting from such failure.

ATTACHMENT "C"
PROJECT COMPENSATION

OXIDATION POND HWY. 3127
Project No. (S190902)

OWNER shall pay ENGINEER on a Not to Exceed basis for Basic Services set forth in Attachment A as follows:

- a. The total compensation for basic services as described in Attachment A is estimated to be \$67,285.00 based on the following estimated distribution of compensation:
 1. Permitting \$4,400.00
 2. Field Exploration \$27,900.00
 3. Laboratory Testing \$5,120.00
 4. Engineering Analyses, Reporting, and Project Coordination \$14,665.00
 5. Lift Station Boring, Lab Testing, Engineering & Reporting \$15,200.00
- b. ENGINEER may, with OWNER's consent, alter the distribution of compensation between individual phases of the Work noted herein to be consistent with services actually rendered, but shall not exceed the total estimated compensation amount unless approved in writing by OWNER.
- c. The amounts billed for ENGINEER's services under this Agreement will be based on the cumulative hours charged to the Project during the billing period by each class of ENGINEER's employees times Standard Hourly Rates for each applicable billing class, plus ENGINEER's CONSULTANT's charges.
- d. The Standard Hourly Rates charged by ENGINEER constitute full and complete compensation for ENGINEER's services, including labor costs, overhead, and profit; the Standard Hourly Rates do not include ENGINEER's CONSULTANT's charges.
- e. ENGINEER's Standard Hourly Rates are attached to this Agreement as Attachment C-1.

Attachment C - 1

Schedule of Charges – 2022

COMPENSATION

Our compensation will be determined on the basis of time and expenses in accordance with the following schedule unless a lump sum amount is so indicated in the proposal or services agreement. Current rates are:

Professional Staff

Staff 1 Scientist	\$ 95/hour
Staff 1 Engineer	\$ 105/hour
Staff 2 Scientist	\$ 110/hour
Staff 2 Engineer	\$ 120/hour
Staff 3 Scientist	\$ 120/hour
Staff 3 Engineer	\$ 130/hour
Scientist 1	\$ 130/hour
Engineer 1	\$ 145/hour
Scientist 2	\$ 143/hour
Engineer 2	\$ 155/hour
Senior Scientist 1	\$ 165/hour
Senior Engineer 1	\$ 170/hour
Senior Scientist 2	\$ 180/hour
Senior Engineer 2	\$ 185/hour
Associate	\$ 210/hour
Principal	\$ 235/hour
Senior Principal	\$ 260/hour

Technical Support Staff

Administrator 1	\$ 65/hour
Administrator 2	\$ 75/hour
Administrator 3	\$ 85/hour
CAD Technician	\$ 90/hour
CAD Designer	\$ 105/hour
CAD Design Coordinator	\$ 128/hour
*Technician	\$ 70/hour
*Senior Technician	\$ 85/hour
*Lead Technician	\$ 105/hour

*Hours in excess of 8 hours in a day or 40 hours in a week will be charged at one and one-quarter times the hourly rates listed above.

Contracted professional and technical services will be charged at the applicable hourly rates listed above. Staff time spent in depositions, trial preparation and court or hearing testimony will be billed at one and one-half times the above rates. Time spent in either local or inter-city travel, when travel is in the interest of this contract, will be charged in accordance with the foregoing schedule. A surcharge may be applied to night and weekend work. See proposal for details.

Rates for data storage and web-based access will be provided on a project-specific basis.

Equipment

Blastmate, per day	\$	110.00
Concrete/Masonry Field Gear, per day	\$	20.00
Crack Gauges, per gauge	\$	25.00
Conductivity/Salinity Meter, per day	\$	15.00
D&M/Fixed Piston Sampler, per day (1 day min.)	\$	150.00
Data Logger - 8-channel, per day	\$	325.00
Field Data Acquisition Equipment, per day	\$	50.00
Flow Meter, per day	\$	100.00
Generator, per day (1 day min.)	\$	85.00
Geotechnical Hand Auger Equipment, per day	\$	125.00
GPS Unit - Professional Grade, per day	\$	100.00
Groundwater Sampling Bailers & Supplies, per well	\$	25.00
Hydrolab Multi Probe, per day	\$	100.00
Inclinometer, per day (1 day min.)	\$	225.00
Interface Probe, per day	\$	50.00
Nuclear Density Gauge, per hour (4 hour daily min.)	\$	10.00
PID, FID or OVA, per day	\$	120.00
Pump Controller & Nitrogen Pressure Regulator, per day	\$	150.00
Saximeter, per day	\$	25.00
Single Channel Data Logger w/Transducer, per day	\$	110.00
Soil Samples (in Rings), per sample	\$	8.00
Soil Samples (in Sleeves), per sample	\$	10.00
Spectro Photo Meter, per day	\$	45.00
Stereoscope, per day	\$	20.00
Strain Gauge Readout, per day	\$	45.00
Travel, pickup truck (not rig), \$125 per day within 50 miles of office location, then \$0.60 per mile	\$	125.00/ 0.60

Specialized and miscellaneous field equipment not listed above will be quoted on a project-specific basis.

OTHER SERVICES, SUPPLIES AND SPECIAL TAXES

Charges for services, equipment, supplies and facilities not furnished in accordance with the above schedule, and any unusual items of expense not customarily incurred in our normal operations, are charged at cost plus 15 percent. This includes shipping charges, subsistence, transportation, printing and reproduction, miscellaneous supplies and rentals, surveying services, drilling equipment, construction equipment, watercraft, aircraft, and special insurance which may be required. Taxes required by local jurisdictions for projects in specific geographic areas will be charged to projects at direct cost.

Associated Project Costs (APC)

Computer hardware and software, telephone and fax communications, printing and photocopying and routine postage via USPS will be charged at a flat rate of 6 percent of labor charges.

All rates are subject to change upon notification.

Laboratory Schedule of Charges – 2022

	Type of Test	Unit Price
Classification		
Moisture content with visual classification ASTM D2216	\$	15
Atterberg limit determination (liquid and plastic) - (1 pt. Method B) D4318	\$	70
Shrinkage limit (by Way Method) D4943	\$	95
Unit weight, including moisture content D7263	\$	26
pH Determination of Soils D4972	\$	50
Specific gravity of Soils D854	\$	125
Soil Resistivity (per point) G187	\$	75
Organic content determination D2974	\$	80
Resonant Column, dynamic testing D4015	\$	On request
California bearing ratio, three test cylinders with plots D1883	\$	575
Grain Size Analyses		
Sieve analysis, wet D6913, C136 (all soils with small particles)	\$	80
Sieve analysis, dry D6913, C136 (large rock, limestone, etc.)	\$	85
Hydrometer analysis with wet sieve D422	\$	160
Washover #200 sieve D1140	\$	50
Strength Tests		
Pocket Penetrometer or Tor-Vane WK27337, D4648	\$	15
Miniature vane shear	\$	45
Unconfined compression (with moisture content and density) D2166	\$	55
Triaxial compression loading		
Unconsolidated-Undrained Triaxial Compression (UU) D2850	\$	75
Consolidated-Undrained Triaxial Compression – single stage (CIU) D4767	\$	450
Additional stages	\$	210
With pore pressure measurements/stage	\$	85
Consolidated-Drained Triaxial Compression – 1 sample 3 stage D7181	\$	1,700
Additional stage	\$	450
Anisotropic Ko Triaxial Compression	\$	On request
Direct shear sand D3080	\$	400
Direct shear clay D3080	\$	650
Breaking concrete or rock core C39, D7012	\$	35
Breaking soil-cement, soil-lime cylinder D1633, D5102	\$	40
Volumetric Tests		
Incremental Consolidation without rebound D2435 - 9 loads	\$	500
Incremental Consolidation with rebound loop - 12 loads	\$	560
Additional load	\$	35
Constant rate of strain consolidation without rebound D4186	\$	550
Constant rate of strain consolidation with rebound loop	\$	600
One cycle secondary consolidation on one load increment	\$	115
Low stress consolidation	\$	2,500
Volumetric swell	\$	375
Swelling pressure D4546	\$	335
Permeability Tests		
Permeability, falling or constant head D5856, D2434	\$	295
Triaxial D5084	\$	395
Capillary Rise test	\$	150
Moisture-Density Tests		
Standard Proctor 4 inch cylinder D698	\$	175
6 inch cylinder	\$	240
Modified Proctor 4 inch cylinder D1557	\$	240
6 inch cylinder	\$	295

Type of Test	Unit Price
Aggregate Proctor (DOTD Method G or ASTM Method C)	\$ 500
Maximum & Minimum density (shaking table) D4253	\$ 250

Miscellaneous

Stress-strain or time settlement plots	\$ 20
Remolding of slickensided clays or other clay samples (remold only)	\$ 25
Extruding sample from Shelby tube	\$ 20
Dry sample preparation	\$ 30
Preserving extruded sample	\$ 20
Lime mixing for conditioning soil, per percentage point	\$ 75
Molding and curing soil-cement or soil-lime cylinder	\$ 75
Trimming concrete or rock core	\$ 40
Visual description classification only D2488	\$ 10
Compositing of samples (per hour of tech time)	\$ 50/hr

Please contact us regarding test procedures that are not listed. Above rates apply to uncontaminated soil samples only. If hazardous materials are present, the client will be contacted. Testing of contaminated samples will be quoted on a project specific basis.

All rates are subject to change upon notification.

**CERTIFICATE OF SECRETARY
OF
GEOENGINEERS, INC.**

*Authorization to Execute Contracts
With St. Charles Parish*

I, Bruce Williams, do hereby certify that I am Secretary of GEOENGINEERS, INC., a Washington corporation (the "Corporation") domiciled in the City of Redmond; and do further certify and represent that:

1. The Corporation is duly organized, validly existing and in good standing under the laws of the state of its incorporation as a corporation for profit, and is duly authorized and has obtained all necessary authorizations, licenses and permits to transact business in the State of Washington and in each state in which the Corporation is doing business; and,


2. At a meeting on April 13, 2022, at which a quorum was present, the Board of Directors granted me the authority as its Secretary to attest to and sign such documents as may be necessary to conduct day-to-day business activities and/or maintain relationships necessary for the Corporation to conduct day-to-day business activities with state agencies, companies and various other institutions.

I hereby certify the following:

David Eley holds the title of Senior Principal and performs associated responsibilities for GeoEngineers, Inc.

At his discretion in furtherance of the Corporation's business needs, Mr. Eley has the authority and is authorized and empowered on behalf of the Corporation to execute agreements between GeoEngineers, Inc. and St. Charles Parish for geotechnical and/or consulting engineering services for projects.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 13th day of April 2022.



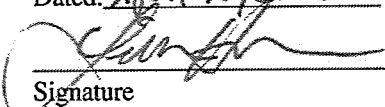
Bruce Williams, Secretary

State of Washington
County of Pierce

I certify that I know or have satisfactory evidence that Bruce Williams [Name of Person] is the person who appeared before me, and said person acknowledged that (he/she) signed this instrument and acknowledged it to be (his/her) free and voluntary act for the uses and purposes mentioned in the instrument.



Dated: April 13, 2022



Signature
(Seal or stamp)

Notary Public

Title

My appointment expires: 09/19/2023