

STATEMENT OF QUALIFICATIONS TO PROVIDE

GEOTECHNICAL SERVICES FOR IDIQ CONTRACTS

FOR THE

LOUISIANA DEPARTMENT OF TRANSPORTATION



JUNE 2022

Dear Selection Committee:

Professional Service Industries, Inc. (PSI), an Intertek company, is a leading independent engineering and testing firm (ENR #15), with \$1.1 billion in annual building and construction revenues. PSI provides risk management and quality assurance and control services through their environmental consulting, geotechnical engineering, construction materials testing and inspection, industrial hygiene, facilities and roofing consulting services. PSI operates from 100 offices nationwide, with approximately 2,200 employees, meaning no project is out of reach or too complex. As you contemplate partnering with PSI, we would like to offer the following benefits for your consideration.

- **No Learning Curve Means Improved Responsiveness** - Because of our extensive experience, we understand the importance of providing quality services to you in a timely manner. Our consultants, managers and support staff have extensive experience in dealing with projects across the country.
- **Widespread Geographic Coverage Reduces Response Time and Costs** - PSI maintains four offices in Louisiana. With offices in Jefferson, Baton Rouge, West Monroe and Shreveport, no project, within the state is far from a PSI location.
- **A Team Problem-Solving Approach** - Our project team will work closely with you and other designated team members on every step of the project to ensure a smooth flow of communications and immediate response. We are an extension of your staff and, as such, will work towards meeting all needs and deadlines.
- **The Complete Solution** – This is PSI's response to the demand for a simpler way to do business. PSI is your best choice for geotechnical engineering and deep foundations testing with an abundance of in-house capabilities and a deep personnel roster.

We appreciate your consideration of the qualifications and materials presented in this submittal. Should you have any questions or would like to continue the discussion of PSI's services and capabilities, please connect with us through the contact information listed in the header.

Sincerely,



Dr. Reda Bakeer, Ph.D., P.E.^{LA}, F.ASCE, D.GE
Principal-in-Charge
504-733-9411 reda.bakeer@intertek.com



Devin Richardson
Business Development Manager
504-733-9411 devin.richardson@intertek.com

DOTD FORM: 24-102

(Revised March 1, 2022)


PROPOSAL TO PROVIDE CONSULTANT SERVICES

Prime consultant shall complete the DOTD Form 24-102 without altering the Form’s text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

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| 1. Contract title as shown in the advertisement | IDIQ Contracts for Geotechnical Services Statewide |
| 2. Contract number(s) as shown in the advertisement | Contracts Nos. 4400024650, 4400024651, 4400024652, 4400024653, 4400024654, 4400024655, 4400024656 and 4400024657 |
| 3. State Project Number(s), if shown in the advertisement | |
| 4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law) | Professional Service Industries, Inc. an Intertek Company |
| 5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law) | EF. 0001219 |
| 6. Prime consultant mailing address | 724 Central Avenue, Jefferson, LA 70121 |
| 7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria) | Same as above |
| 8. Name, title, phone number, and email address of prime consultant’s contract point of contact | Devin M. Richardson, Business Development Manager, 504-733-9411, devin.richardson@intertek.com |
| 9. Name, title, phone number, and email address of the official with signing authority for this proposal | Reda Bakeer, Ph.D., P.E., F. ASCE, D.GE., Chief Engineer, 504-733-9411, reda.bakeer@intertek.com |



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| <p>10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.</p> | <p>Signature (shall be the same person as #9):</p>  | | | | |
| <p>11.If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.</p> | <p>Date: June 28, 2022</p> <table border="0"> <tr> <td><u>Firm(s):</u></td> <td><u>Firm(s)' %:</u></td> </tr> <tr> <td>Adaptive Management and Engineering</td> <td>2%</td> </tr> </table> | <u>Firm(s):</u> | <u>Firm(s)' %:</u> | Adaptive Management and Engineering | 2% |
| <u>Firm(s):</u> | <u>Firm(s)' %:</u> | | | | |
| Adaptive Management and Engineering | 2% | | | | |

12. Past Performance Evaluation Discipline Table:

Sub-consultants are allowed to be used for this proposal. Fill in the table by identifying only those evaluation disciplines consistent with the approach and methodology proposed in Section 18 of the DOTD Form 24-102*, the name of each firm that is part of the proposal, and the percentage of work in each past performance evaluation discipline to be performed by that firm. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract. (Add rows and columns as needed)

| Evaluation Discipline(s) | % of Overall Contract | PSI | Adaptive Management & Engineering | Firm C | Firm D | Firm E | Each Discipline must total to 100% |
|---|-----------------------|-----|-----------------------------------|--------|--------|--------|------------------------------------|
| Geotechnical Engineering | 100% | 98% | 2% | | | | 100% |
| | | | | | | | 100% |
| | | | | | | | 100% |
| Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant | | | | | | | |
| Percent of Contract | 100% | 98% | 2% | | | | ----- |

The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. The crosswalk from the old categories to the new categories can be found at the link below:

http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf. (same link as in the advertisement)

13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (xxxx)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link:

| Firm name | DOTD Job Classification | Number of personnel committed to this contract | Total number of personnel available in this DOTD Job Classification (if needed) |
|--|-------------------------|--|---|
| Professional Service Industries, Inc. | Principal | 1 | 1 |
| Professional Service Industries, Inc. | Engineer | 7 | 7 |
| Professional Service Industries, Inc. | Engineer Intern | 4 | 4 |
| Professional Service Industries, Inc. | Driller | 4 | 4 |
| Professional Service Industries, Inc. | CADD Operator | 1 | 1 |
| Professional Service Industries, Inc. | Sr. Technician | 4 | 4 |
| Professional Service Industries, Inc. | Technician | 15 | 15 |
| Professional Service Industries, Inc. | Administrative | 3 | 3 |
| Adaptive Management and Engineering, LLC | Principal | 1 | 1 |
| Adaptive Management and Engineering, LLC | Engineer | 1 | 1 |
| Adaptive Management and Engineering, LLC | Engineer Intern | 1 | 1 |
| Adaptive Management and Engineering, LLC | Sr. Technician | 1 | 1 |
| Adaptive Management and Engineering, LLC | Driller | 1 | 1 |
| Adaptive Management and Engineering, LLC | CADD Drafter | 1 | 1 |
| Adaptive Management and Engineering, LLC | Technician | 1 | 1 |



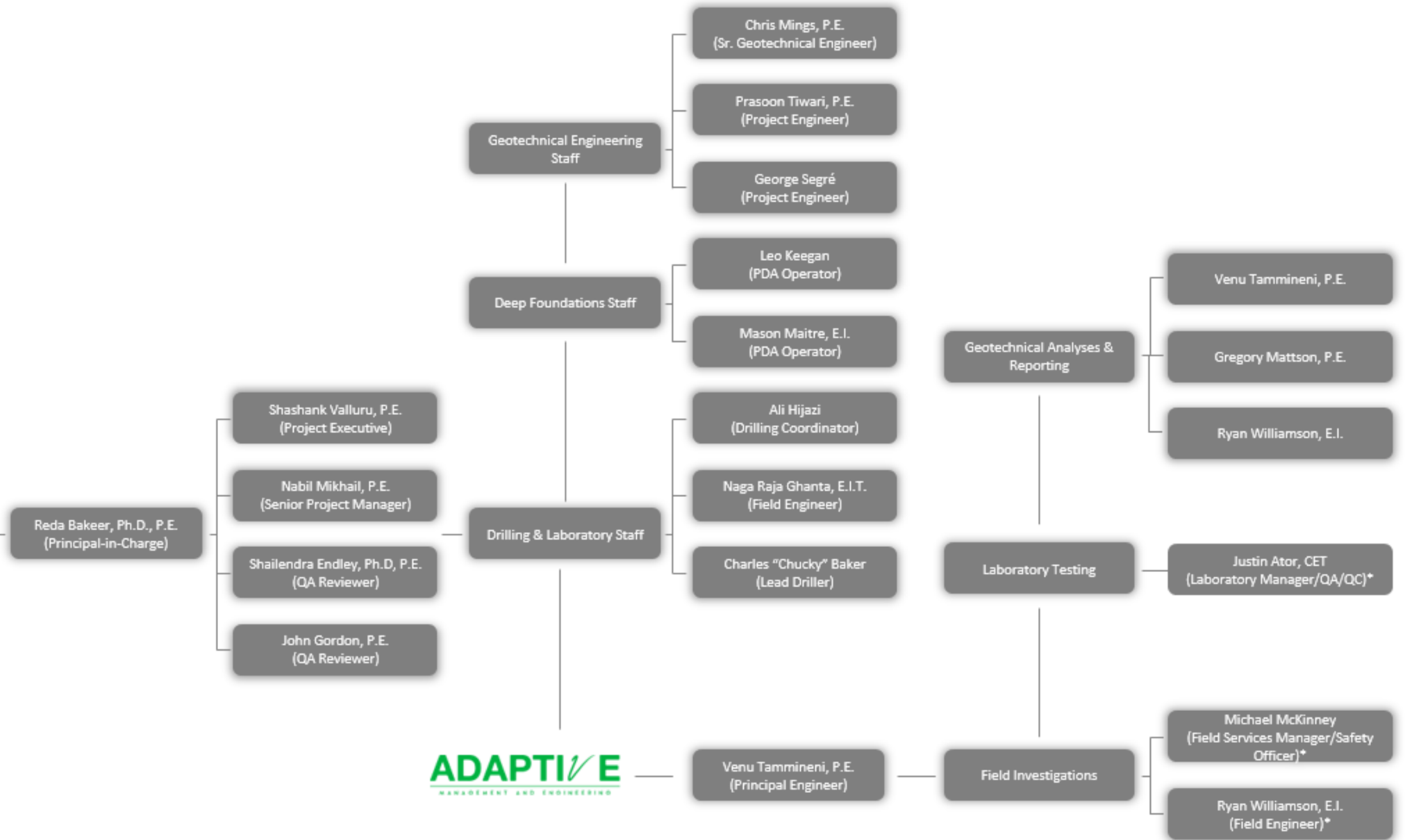
14. Organizational Chart:

Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13.

If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.

It is acceptable to use an 11x17 format for Section 14.

See attached.



15. Minimum Personnel Requirements:

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR.

| MPR No. Do not insert wording from ad | Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement) | Firm employed by | Type of license / certification & number | State of license | License / certification expiration date |
|--|--|---------------------------------------|--|------------------|---|
| 1 | Reda Bakeer, Ph.D., P.E. | Professional Service Industries, Inc. | P.E.0027123 | LA | 9/30/2023 |
| 2 | Reda Bakeer, Ph.D., P.E. | Professional Service Industries, Inc. | P.E.0027123 | LA | 9/30/2023 |
| 3 | Reda Bakeer, Ph.D., P.E. | Professional Service Industries, Inc. | P.E.0027123 | LA | 9/30/2023 |
| 4 | Ali Hijazi | Professional Service Industries, Inc. | | | |
| 5 | Charles Baker | Professional Service Industries, Inc. | | | |
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16. Staff Experience:

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| Firm employed by Professional Service Industries, Inc. | | | | |
| Name | Dr. Reda Bakeer, Ph.D. P.E., F. ASCE, D. GE | | Years of relevant experience with this employer | 7.5 |
| Title | Chief Engineer | | Years of relevant experience with other employer(s) | 38 |
| Degree(s) / Years / Specialization | | <ul style="list-style-type: none"> • Ph.D., Syracuse University, NY, 1985, Civil Engineering • M.S., Syracuse University, NY, 1981, Civil Engineering • B.S., Ain Shams University, Egypt, 1976, Civil Engineering | | |
| Active registration number / state / expiration date | | <ul style="list-style-type: none"> • Professional Engineer, #27123, Louisiana, 09/30/2022 • Professional Engineer, #83941, Florida, 02/28/2023 • Professional Engineer, #17975, Arkansas, 12/31/2023 • Professional Engineer, #55044, Maryland, 10/10/2023 • Professional Engineer, #111241, Texas, 03/1/2023 • Professional Engineer, #402058439, Virginia, 11/31/2023 • FHWA training in Advanced Pavement Management Systems | | |
| Year registered | 1997 (LA) | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | Role: Principal-in-Charge. <i>Dr. Bakeer will lead the PSI group and provide guidance and oversight to multiple teams working on various contract related tasks.</i> | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| 11/18-02/20 | <i>I-66 Expansion, Segments 1 and 2, Fairfax/Prince William Counties, VA</i> - The development, design, construction, finance, operation, maintenance, and tolling of high occupancy/toll lanes (“Express Lanes”) and associated facilities and services along the I-66 corridor for approximately 22 miles from I-495 (Capital Beltway) in Fairfax County to US 29 (Gainesville) in Prince William County. Dr. Bakeer was the Chief Engineer for all the Mechanically Stabilized Earth (MSE) walls designed for the project. | | | |

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| 01/18-11/18 | <u><i>Selmon Expressway West Extension, from Gandy Bridge to Western Terminus, Hillsborough County, FL</i></u> – As the project’s Chief Geotechnical Engineer, Dr. Bakeer was responsible for developing the geotechnical design criteria to support the FDOT objectives. He oversaw the geotechnical subsurface investigation that involved soil borings and CPT soundings in areas with soft and highly compressible soils, ensured that laboratory testing was done in accordance with FDOT guidelines and providing engineering analyses and recommendations for bridge foundations, MSE retaining walls and load transfer platforms over soft soils for up to 45 ft. high ramps according to AASHTO LRFD. |
| 11/15-06/17 | <u><i>I-10 Bridge Monitoring, Track No. 114 and Track “K” Rail Spurs Crash Walls, Port Allen, LA</i></u> – Dr. Bakeer served as the Principal Geotechnical Consultant reviewing the soil borings and CPT soundings data, laboratory tests performed to LADOTD guidelines, developed the geotechnical parameters for helical piles for support of the new railroad crash walls along the I-10 bents, and developed the guidelines for monitoring of the I-10 bents during construction of the crash walls. |
| 07/10-02/15 | <u><i>Bayou Garden Boulevard Extension, Houma, LA</i></u> – Dr. Bakeer was the geotechnical engineer of record for this project and provided engineering analyses and recommendations for bridge foundations according to AASHTO LRFD, he also designed and monitored a preload surcharge program of the geotextile reinforced roadway embankment constructed on very soft and highly compressible cohesive and organic soils utilizing piezometers, Sondex tubes, and settlement plates. |
| 02/11-03/14 | <u><i>Tiger Drive Bridge, Lafourche Parish, LA, SP No. 713-29-0103 Federal Aid Project No. 2910 (502)</i></u> – As the Principal-in-charge, Dr. Bakeer managed the drilling of soil borings, laboratory testing done in accordance with LADOTD guidelines, and the engineering analyses and recommendations for bridge foundations according to AASHTO LRFD. |
| 04/03-07/04 | <u><i>Evaluation of LADOTD Semi-Integral Bridge and Abutment System, LTRC No. 01-3ST, SP No. 736-99-0916</i></u> – Dr. Bakeer was the Principal Investigator responsible for assessing the performance of six prototype semi-integral bridges designed and constructed by LADOTD in northern LA, reviewing the design drawings and performing field testing, bridge inspections, numerical analyses, and design evaluation. Results of the study were incorporated in the present LADOTD semi-integral bridge design procedures. |

16. Staff Experience:

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| Firm employed by Professional Service Industries, Inc. | | | | |
| Name | Nabil Mikhail, P.E., D.GE. | | Years of relevant experience with this employer | 4.5 |
| Title | Chief Geotechnical Engineer | | Years of relevant experience with other employer(s) | 34 |
| Degree(s) / Years / Specialization | | <ul style="list-style-type: none"> • M.S., Ecole Polytechnique, Univ. of Montreal, Quebec, Canada, 1994, Geotechnical Engineering • B.S., Alexandria University, Alexandria, Egypt, 1984, Civil Engineering | | |
| Active registration number / state / expiration date | | <ul style="list-style-type: none"> • Professional Engineer, #35300, Louisiana, 09/30/2020 • Professional Engineer, #86995, Texas, 06/30/2022 • Professional Engineer, #35369, Alabama, 12/31/2023 • Professional Engineer, #20225, Mississippi, 12/31/2022 • Professional Engineer, #091364-1, New York, 10/31/2022 | | |
| Year registered | 2010 (LA) | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | <p><i>Role: Senior Project Manager. Mr. Mikhail will manage all day-to-day geotechnical efforts. He will also provide technical leadership and direct interface with LADOTD representatives. He has over 35 years of geotechnical engineering design experience and brings with him international expertise leading projects in the United States, Canada, and Middle East.</i></p> | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |

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| 01/18-11/18 | <u>I-66 Expansion, Segments 1 and 2, Fairfax/Prince William Counties, VA</u> - The development, design, construction, finance, operation, maintenance, and tolling of high occupancy/toll lanes (“Express Lanes”) and associated facilities and services along the I-66 corridor for approximately 22 miles from I-495 (Capital Beltway) in Fairfax County to US 29 (Gainesville) in Prince William County. Mr. Mikhail was the Chief Engineer for all the earthwork aspects of the project. |
| 11/15-06/17 | <u>SP No. H.004113, LA Highway 3241, I-12 to Bush (LA 435 to LA 40/LA 41), St. Tammany Parish, LA</u> - Mr. Mikhail, while employed at Ardaman & Associates managed the geotechnical scope for this project which included overseeing the performance of 26 soil borings, sampling, laboratory testing and engineering analyses along an alignment that includes one bridge carrying LA 435 over Talisheek Creek. |
| 07/10-02/15 | <u>LADOTD Spillway Cheniere and Bridge, Monroe, LA</u> - Mr. Mikhail conducted a seepage analysis for the cutoff wall of the proposed spillway and for the proposed temporary coffer-dams to be used during construction operations; Developed pile capacity curves for the bridge abutments and spillway supports; Conducted stability analysis for the new roadway embankment; Estimated consolidation and related settlement due to the proposed embankment in the area of the existing spillway; Provided geotechnical recommendations for the design of the Training/Wing walls; Made geotechnical recommendations for the temporary cofferdams; and Made recommendations for construction procedures deemed appropriate for the project. Overall, Mr. Mikhail provided geotechnical analysis related to timber and concrete piles, stability analysis of spillway, under seepage, training and wing walls, settlement of 28 feet height road embankment, and cofferdams. He utilized GeoSlope, Pile, Driven 1.0, CWALTSHT, Settle 3D, and Shoring programs for analysis. |
| 02/11-03/14 | <u>TxDOT Ramp to IH 35, Dallas, TX</u> - Mr. Mikhail performed the study which included field and laboratory investigation, analysis and design of concrete sections to support the truck loads and ground modification in order to reduce the potential soil movement underneath the pavement. |
| 04/03-07/04 | <u>North Tarrant Expressway (NTE) – Segment 1, Fort Worth, TX</u> - Mr. Mikhail performed the preliminary geotechnical investigation including sampling soil and rock formations; performing field and laboratory tests; developing recommendations for the design of the drilled shaft, concrete, gravity, and mechanically stabilized earth retaining walls; and, performing global stability analyses for the mechanically stabilized earth retaining walls as well as subgrade modification under pavements. |

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| Name | Shashank Valluru, P.E. | | Years of experience with this firm/employer | 18.5 |
| Title | Regional Vice President | | Years of experience with other firm(s)/employer(s) | 6 |
| Degree(s) / Years / Specialization | | | <ul style="list-style-type: none"> MS, University of Texas Arlington, 2001, Civil Engineering BS, Osmania University, 1999, Civil Engineering | |
| Active registration number / state / expiration date | | | <ul style="list-style-type: none"> Professional Engineer # 100139, Texas, 9/30/2022 | |
| Year registered | 2007 | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | | <i>Role: Corporate Support. Mr. Valluru will be responsible for ensuring that the necessary project resources (equipment, personnel, etc.) are made available and mobilized to meet the timely demands of the contract.</i> | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. | | | |
| 02/15-12/19 | <u>US 181 Harbor Bridge, Corpus Christi, TX</u> – Mr. Valluru was the Project Executive responsible for proposal development and contract negotiations. | | | |
| 05/15-02/19 | <u>North Tarrant Expressway (NTE) Segment 3A, Section 2, Dallas-Ft. Worth, TX</u> - Mr. Valluru was the Project Executive responsible for proposal development and contract negotiations for the geotechnical scope that included 180 exploratory borings and 30 CPTs with a total footage of approx. 12,000 feet. | | | |
| 06/17-05/18 | <u>SH-99 Grand Parkway, Segments H & I, Harris County, TX</u> - Chief Geotechnical Engineer for the project and led the geotechnical investigation and provided the technical review of all recommendations for the 53 bridges. | | | |
| 10/10-05/11 | <u>SH 161 Toll Road Project, Dallas County, TX</u> – For the 6.2-mile-long Toll road from IH 20 to IH 30, Mr. Valluru served as a Project Engineer helping to perform engineering analysis and was the manager of the laboratory testing program. | | | |
| 10/02-02/06 | <u>SH 130, Toll Road from Georgetown to South Austin, Austin, TX</u> – Mr. Valluru was a Project Engineer specifically working on the engineering analysis for the MSE walls and helping coordinate drilling activities. | | | |

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| Name | Shailendra Endley, Ph.D., P.E. | | Years of experience with this firm/employer | 37 |
| Title | Chief Engineer | | Years of experience with other firm(s)/employer(s) | 8 |
| Degree(s) / Years / Specialization | | <ul style="list-style-type: none"> • PhD, University of Wisconsin, 1974, Geotechnical Engineering • MS, University of Cincinnati, 1970, Geotechnical Engineering • BS, Roorkee University, India, 1964, Civil Engineering | | |
| Active registration number / state / expiration date | | <ul style="list-style-type: none"> • Professional Engineer, #24996, Louisiana, 03/31/2023 | | |
| Year registered | 1992 (LA) | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | <i>Role: QA/QC, Senior Reviewer. Dr. Endley provide internal QA/QC of geotechnical and surveying project deliverables. Dr. Endley has over 45 years of industry experience and has published over 30 technical papers and is recognized as an expert in the field.</i> | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. | | | |
| 02/15-12/19 | <u>US 181 Harbor Bridge, Corpus Christi, TX</u> – Chief Geotechnical Engineer for the project and led the geotechnical investigation and provided the technical review of all engineering recommendations. | | | |
| 06/17-05/18 | <u>SH-99 Grand Parkway, Segments H & I, Harris County, TX</u> - Chief Geotechnical Engineer for the project and led the geotechnical investigation and provided the technical review of all recommendations for the 53 bridges. | | | |
| 01/11-07/11 | <u>IH 10 MSE Wall Stability Evaluations and Remediations, Beaumont, TX</u> - Dr. Endley was the Chief Geotechnical Engineer and his duties included reviewing project deliverables and ensuring compliance with the technical requirements of the project. | | | |
| 03/12 - 07/09 | <u>PGBT Western Extension (SH 161) NTTA Project, Dallas, TX - Technical Lead (2009-2012)</u> – Dr. Endley was the Chief Engineer for this project and his duties included leading the subsurface investigations and reviewing the reports and engineering recommendations throughout the life of the project. | | | |

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| 03/08-02/09 | <i>Sam Houston Tollway Section B, Harris County, TX</i> - Chief Geotechnical Engineer for the project and led the geotechnical investigation and provided the technical review of all engineering recommendations. |
| 07/02-11/03 | <i>SH 130, Toll Road from Georgetown to South Austin, Austin, Texas</i> – Led the geotechnical engineering for 72 bridges, MSE, Retaining walls, toll plazas, signs and culverts along the 49-mile stretch. Dr. Endley as the Technical Lead, his duties included reviewing the reports and making sure they met the technical requirements of the project. |



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| Name | John O. Gordon P.E. | | Years of experience with this firm/employer | 26 |
| Title | Senior Geotechnical Engineer | | Years of experience with other firm(s)/employer(s) | 9 |
| Degree(s) / Years / Specialization | | <ul style="list-style-type: none"> BS, University of Memphis, 1983, Civil Engineering | | |
| Active registration number / state / expiration date | | <ul style="list-style-type: none"> Professional Engineer, #32993, Louisiana, 09/30/2023 Professional Engineer, #20398, Tennessee, 12/31/2023 | | |
| Year registered | 2007 (LA) | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | <i>Role: Senior Geotechnical Engineer. Mr. Gordon will provide technical direction required for production and completion of projects and will be responsible for conceptualizing the initial investigative approach for task orders focused in North Louisiana.</i> | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. | | | |
| 11/15-04/17 | <u>Expansion of Austin Peay Highway; Memphis, TN</u> – Project engineer for geotechnical exploration with duties including foundation analyses, recommendations, and slope stability analyses for the bridge across the Wolf River, settlement analyses for fills along roadway/abutments, liquefaction analyses/preparation of reports. Bridge and highway were approximately 7 lanes with several entrance and exit ramps. | | | |
| 10/07-04/15 | <u>Tennessee State Route 4, Memphis, TN</u> – Mr. Gordon was the Senior Geotechnical Engineer for S.R. 4 extending from Mississippi State Line to Perkins Road. Project included expansion of the alignment and two major new interchanges at Holmes Road and Shelby Drive. He provided the analyses and development of foundation recommendations for the bridges and retaining walls, as well as, the slope stability analyses for cut and fill slopes as well as global stability analysis for retaining walls. | | | |
| 02/10-05/15 | <u>Somerville Bypass; Somerville, TN</u> – Mr. Gordon was the project’s Senior Geotechnical Engineer and provided analyses for pile foundations, retaining walls, embankment construction, settlement of embankments | | | |

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| 10/12-07/13 | <u>Bossier North-South Corridor I-220/Swan Lake Rd Interchange to Crouch Rd, Bossier, LA</u> – Mr. Gordon served as the project’s geotechnical principal consultant ensuring drilling and testing criteria for the project were met and assisting Project Engineers in the development of engineering recommendations. |
| 06/06-01/11 | <u>John J. Audubon Bridge and Roadway, St. Francisville, LA</u> – As the Chief Geotechnical Engineer for this project, Mr. Gordon was responsible for the geotechnical management of the subsurface investigation as well as development of foundation analyses for the approach bridge foundations. |
| 07/10-01/11 | <u>Entrance and Exit Ramps; Peters Road and Manhattan Boulevard; Westbank Expressway; Harvey, LA -</u> Mr. Gordon was a Project Engineer and was responsible for performing analysis of pile foundations for the ramps and developing the final report. |

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| Name | Chris Mings P.E. | | Years of experience with this firm/employer | 23 |
| Title | Senior Geotechnical Engineer | | Years of experience with other firm(s)/employer(s) | 9 |
| Degree(s) / Years / Specialization | | <ul style="list-style-type: none"> MS, Iowa State University, 1987, Geotechnical Engineering BS, Iowa State University, 1984, Civil Engineering | | |
| Active registration number / state / expiration date | | <ul style="list-style-type: none"> Professional Engineer, #0039938, Louisiana, 09/30/2023 Professional Engineer, #134783, Texas, 03/31/2023 Professional Engineer, #61556, Florida, 02/28/2023 | | |
| Year registered | 2015 (LA) | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | <i>Role: Senior Geotechnical Engineer. Mr. Mings will help plan, organize, and supervise geotechnical engineering activities and assist with report preparation.</i> | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. | | | |
| 09/17-12/19 | <u>US 181 Harbor Bridge, Corpus Christi, TX</u> – As a Senior Geotechnical Engineer on the design team, Mr. Mings provided engineering support and direction during subsurface investigation | | | |
| 06/17-05/18 | <u>SH-99 Grand Parkway, Segments H & I, Harris County, TX</u> - As a Senior Geotechnical Engineer on the design team, Mr. Mings was responsible for determining earth pressures and performing lateral load analyses for 41,000 linear feet of MSE retaining walls. | | | |
| 04/10 – 06/10 | <u>Design/Build Replacement of the Juanita Avenue Bridge over Taylor Creek, St. Lucie County, Florida</u> – Mr. Mings was a Senior Project Engineer for the design of a new 130-foot long, two-lane, five-span concrete bridge to carry east and west bound traffic on Juanita Avenue over Taylor Creek. He was responsible for developing the geotechnical report that included recommendations for driven precast, pre-stressed concrete pile foundations. | | | |
| 01/13-04/13 | <u>Route US 167 Timed Project – Dubach to Bernice, Lincoln & Union Parish, LA</u> – As a Senior Project Engineer, Mr. Mings performed slope stability and assisted in the review of laboratory test results for accuracy. | | | |

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| 02/06-05/06 | <p><u>Interstate I-95 Interchange Improvements, St. Lucie County, FL</u> – Mr. Mings was the Senior Project Engineer for the new mast arm signalization, overhead signage and high mast lighting at the I-95 interchange with St. Lucie West Boulevard in Port St. Lucie. Mr. Mings established the sampling and testing plan/approach and then managed overall process required to develop soil strength parameters for use in design of drilled shaft foundations for the various structures.</p> |
| 06/03-02/04 | <p><u>Interstate I-20 Widening, Richmond County, GA</u> – Mr. Mings was that Senior Project Engineer for the widening of approximately 4½ miles of I-20 northwest of Augusta. He was responsible for a preliminary bridge foundation investigation and managing the subsurface geotechnical investigation.</p> |

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| Name | Prasoon Tiwari, P.E. | | Years of experience with this firm/employer | 7 |
| Title | Geotechnical Department Manager | | Years of experience with other firm(s)/employer(s) | 2 |
| Degree(s) / Years / Specialization | | | <ul style="list-style-type: none"> MS, University of Nevada Reno, 2014, Geotechnical Engineering BS, Indian Institute of Technology, 2011, Mining Engineering | |
| Active registration number / state / expiration date | | | <ul style="list-style-type: none"> Professional Engineer, #46258, Louisiana, 11/24/22 Professional Engineer, #131675, Texas, 06/30/23 | |
| Year registered | 2021 (LA) | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | | <i>Role: Project Engineer. As PSI's South Louisiana Geotechnical Department Manager, Mr. Tiwari will be responsible for the performing various engineering tasks in support of assigned task orders and assisting in the preparation of project deliverables.</i> | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. | | | |
| 09/19-12/19 | <u>Caplis Silgo Road Bridge over Red Chute Bayou, Bossier Parish, LA</u> – The proposed project includes replacement of an existing two-lane vehicular bridge across the Red Chute Bayou with a new concrete bridge. As a Project Engineer, Mr. Tiwari coordinated the field exploration and laboratory tests, and provided geotechnical recommendations for foundation design of the proposed bridge. | | | |
| 08/18-06/19 | <u>SH 99, Grand Parkway Infrastructure, TX</u> - As a Project Manager for the borrow pits material testing program, Mr. Tiwari assigned laboratory tests for various soil stabilization tests, and for embankments, performed slope stability analysis using Slide software and settlement analysis using Settle 3D software. | | | |
| 05/18-07/19 | <u>Off-System Bridge Replacement, Red Bluff Road over Big Island Slough, Harris County, TX</u> - The proposed replacement was planned to be about 200 feet in length. As a Project Engineer, Mr. Tiwari coordinated the field exploration and laboratory tests, and provided geotechnical recommendations for foundation design of the proposed bridge. | | | |
| 04/18-09/18 | <u>SH 288 at Rodeo Palms Parkway, Brazoria County, TX</u> - The proposed overpass was planned to be approximately 343 feet in length. As a Project Engineer, coordinated the field exploration and laboratory tests, and provided geotechnical recommendations for foundation design of the proposed bridge and retaining wall. | | | |

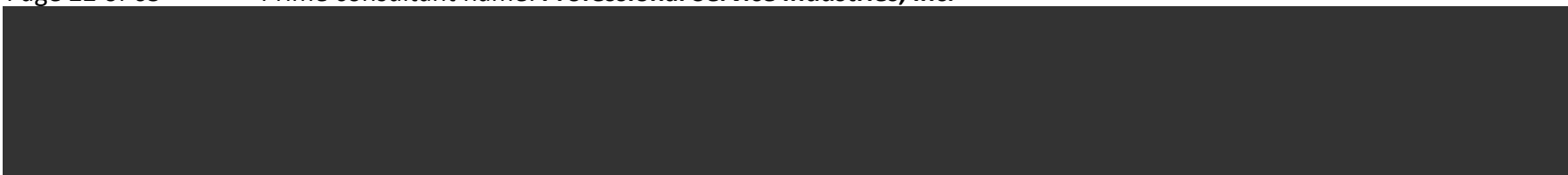
08/15–04/17

SH 288 Toll Lanes Project, Houston, TX - The scope of services included drilling approximately 370 exploratory borings with a total footage of about 17,000 feet, laboratory testing and the provision of geotechnical analyses, including foundation design for more than 30 bridges and 35 retaining walls. As a Project Engineer Mr. Tiwari performed soil classification, assigned laboratory tests and prepared borings logs using Wincore program, created pile capacity charts for bridge foundations and evaluated Lpile parameters for lateral load analyses, utilized MSEW software to analyze sliding, overturning, and bearing capacity, and for embankments, performed slope stability analysis using Slide software and settlement analysis using Settle 3D software.

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| Name | George Segré | | Years of experience with this firm/employer | 1 |
| Title | Project Manager | | Years of experience with other firm(s)/employer(s) | 9 |
| Degree(s) / Years / Specialization | | | <ul style="list-style-type: none"> MS, Syracuse University, 2013, Civil Engineering BS, Syracuse University, 2011, Civil Engineering | |
| Active registration number / state / expiration date | | | <ul style="list-style-type: none"> Professional Engineer, #42229, Louisiana, 03/31/2024 | |
| Year registered | 2021 (LA) | Discipline | Civil Engineering | |
| Contract role(s) / brief description of responsibilities | | | <p><i>Role: Mr. Segré will serve as a project manager performing the following task: stratifying and classifying boring logs; performing pile capacity, settlement, slope stability and seepage analyses with various computer programs and self-made spreadsheets; writing geotechnical reports and coordinating field and laboratory operations.</i></p> | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. | | | |
| 08/18-Ongoing | <p><u>SELA 26—Florida Avenue, Phase IV—New Orleans, LA</u>— Mr. Segré is a project manager for the project, responsible for conducting engineering analyses using information gained from both field and laboratory operations.</p> | | | |
| | <p><u>IMTT Underground Utilities Conduit, Avondale, LA</u>—For this project, Mr. Segré, helped develop the subsurface investigation plan, coordinated the laboratory testing program and performed geotechnical analyses relative to the various alternatives proposed. He performed slope stability analyses relative to the levee, as well as relative to the temporary retaining structures adjacent to ground founded tanks.</p> | | | |
| 11/21—01/22 | <p><u>Proposed Causeway Blvd. Widening Project, Airline Drive to West Napoleon Avenue – Metairie, LA</u>—Mr. Segré is responsible for compiling information and presenting completed geotechnical engineering reports after Chief Engineer review.</p> | | | |
| 09/20—1/21 | <p><u>Asphalt Mill and Overlay Project, Bonnabel Boulevard from I-10 to Metairie Road – Metairie, LA</u>— Mr. Segré was tasked with reviewing boring plans and locations prior to project startup. Mr. Segré is responsible for compiling information and presenting completed geotechnical engineering reports after Chief Engineer review.</p> | | | |

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| Name | Leo Keegan, E.I. | Years of experience with this firm/employer | 4 |
| Title | Construction Services Department Manager / Deep Foundations Lead | Years of experience with other firm(s)/employer(s) | 0 |
| Degree(s) / Years / Specialization | <ul style="list-style-type: none"> BS, University of New Orleans, 2017, Civil & Environmental Engineering | | |
| Active registration number / state / expiration date | <ul style="list-style-type: none"> Engineering Intern, #33362, Louisiana, 09/30/2023 | | |
| Contract role(s) / brief description of responsibilities | <i>Role: PDA Lead Mr. Keegan is responsible for the technical planning and execution of all deep foundation pile investigations (test pile programs, Pile Dynamic Analysis, Pile Integrity Testing, Cross Sonic Logging, etc.).</i> | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. | | |
| 07/21-Ongoing | <u>LA-1 Port Allen Canal Bridge Replacement, Port Allen, LA</u> —Mr. Keegan is responsible for all field coordination and reported associated with the pile dynamic testing during pile driving operations. During the construction of the \$50+ million new LA 1 Intracoastal Bridge Mr. Keegan maintains an onsite presence to ensure accuracy of PDA testing. | | |
| 10/21-12/21 | <u>Linton Road Bridge Replacement Project, Bossier Parish, LA</u> —Mr. Keegan provided Pile Dynamic Analyzer (PDA) high strain testing services during bridge construction. Under his guidance, PSI, performed dynamic monitoring of two PPC piles during initial driving activities. Mr. Keegan provided oversight during drilling of non destructive holes and attaching of PDA sensors. He analyzed the test pile using CAPWAP Wave Analysis Program during each dynamic testing event. Mr. Keegan provided timely reports to keep the project on schedule. | | |
| 09/21-12/21 | <u>H.008226 Cheniere Spillway and Bridge Replacement, West Monroe, LA</u> —Mr. Keegan was responsible for oversight of high strain testing activities during the driving of 2 96-foot-long 18-inch square Precast Prestressed Concrete piles. Dynamic monitoring was performed during the initial driving of the piles. Analysis was conducted by Mr. Keegan using a high-resolution screen to evaluate pile stresses, load carrying capacity, pile integrity, and hammer performance. | | |

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| Name | Mason Maitre, E.I. | Years of experience with this firm/employer | >1 |
| Title | Construction Services Project Manager / PDA Operator | Years of experience with other firm(s)/employer(s) | 2 |
| Degree(s) / Years / Specialization | <ul style="list-style-type: none"> BS, University of New Orleans, 2016, Civil Engineering | | |
| Active registration number / state / expiration date | <ul style="list-style-type: none"> Engineering Intern, #33690, Louisiana, 09/30/2022 | | |
| Contract role(s) / brief description of responsibilities | <p><i>Role: PDA Operator Mr. Maitre is a member of the deep foundations team in PSI Jefferson, LA office. In his role, he is responsible for deep foundations investigations utilizing PDA, Cross-Sonic logging, PIT Testing, and static pile load testing. For this contract, he will be assisting with field activities during pile driving activities involving instrumentation, PDA testing and reporting of results.</i></p> | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. | | |
| 07/21-Ongoing | <p><u>LA-1 Port Allen Canal Bridge Replacement, Port Allen, LA</u>—Mr. Maitre conducted field operations during dynamic monitoring activities. He assisted with drilling non-destructive holes and attached of PDA sensors. He also assisted with analyses of high strain testing information prior to the submission of reports.</p> | | |
| 10/21-12/21 | <p><u>Herman Dupuis Pontoon Bridge Replacement, Butte La Rose, LA</u>—Mr. Maitre conducted field operations during dynamic monitoring activities. He assisted with drilling non-destructive holes and attached of PDA sensors. He also assisted with analyses of high strain testing information prior to the submission of reports.</p> | | |



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| Name | Ali Hijazi | Years of experience with this firm/employer | 15 |
| Title | Laboratory Manager | Years of experience with other firm(s)/employer(s) | 0 |
| Degree(s) / Years / Specialization | <ul style="list-style-type: none"> BS, University of Louisiana – Monroe, 2008, Construction Management | | |
| Contract role(s) / brief description of responsibilities | <p><i>Role: Mr. Hijazi is severing as the Laboratory Manager responsible for the laboratory operations of PSI’s Louisiana offices. For this contract he will create lab assignments and be responsible for managing lab staffing levels to ensure timely and accurate production of lab test results. He also assists in the production of soil boring logs, production of AutoCAD documents, and generation of CPT reports. Mr. Hijazi’s construction services duties consists of assisting in the planning for geotechnical instrumentation.</i></p> | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. | | |
| 08/18 - Ongoing | <u>SELA 26 – Florida Avenue – Phase IV, New Orleans, LA</u> - Oversees the installation of wells, piezometers, inclinometers, and extensometers at various locations for data collection with regard to the temporary retaining structures. | | |
| 08/19 - Ongoing | <u>Chalmette Slip Dock Reconstruction, Arabi, LA</u> - Mr. Hijazi is responsible for overseeing field activities which include CPT soundings and traditional soil borings and associated laboratory testing | | |
| 11/21—01/22 | <u>Proposed Causeway Blvd. Widening Project, Airline Drive to West Napoleon Avenue – Metairie, LA</u> Mr. Hijazi’s role on this project included organizing and scheduling of coring and drilling operations on an active highway. Coring and drilling activities were completed within the travel lanes of the existing roadways under the careful direction of Mr. Hijazi. | | |
| 02/14 – 08/14 | <u>Sunset Drainage District Levee Geotechnical Engineering Services, St. Charles Parish, LA</u> - Led the coordination and completion of CPT soundings for the improvements to the 10-miles of existing levee extending from the confluence of the West Bank Hurricane Protection Levee tie-in at the Paradis Canal to near the US Highway 90 crossing of Bayou Des Allemands in St. Charles Parish, LA. Mr. Hijazi also completed the CPT data analysis and assisted in managing the field drilling and lab testing efforts. | | |
| 04/14 – 09/14 | <u>LA-406 Widening, Plaquemines Parish, LA</u> – Created laboratory assignment based on field sampling and assembled laboratory data and compiled Subgrade Soil Survey CAD logs. | | |
| 07/08 – 08/08 | <u>Huey P. Long Bridge Approaches, Jefferson Parish, LA</u> – Performed laboratory testing and lab oversight various phases of the project. Assembled all CAD soil boring logs. | | |

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| Name | Naga Raja Ghanta | | Years of experience with this firm/employer | 3 |
| Title | Staff Engineer | | Years of experience with other firm(s)/employer(s) | 2 |
| Degree(s) / Years / Specialization | | <ul style="list-style-type: none"> MS, University of New Haven, 2017, Civil and Environmental Engineering BS, Acharya Nagarjuna University, India, 2013, Civil Engineering | | |
| Active registration number / state / expiration date | | <ul style="list-style-type: none"> Engineer-in-Training, #74196, Texas, 09/24/2029 | | |
| Contract role(s) / brief description of responsibilities | | <p><i>Role: Field Engineer. Mr. Ghanta will be responsible for field reconnaissance, laying out drilling locations, assisting with drilling operations, and direct interface with surveying subconsultant. He has complete the ATSSA LA Traffic Control Supervisor and Traffic Control Technician courses.</i></p> | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. | | | |
| 02/20-03/20 | <u>Red Oak Pipeline, Texas Gulf Coast, TX</u> – Mr. Ghanta coordinated and monitored multiple drilling crews and established traffic control plans, led daily JSAs and helped assure that drilling activities would meet safety standards as per state and project requirements. | | | |
| 12/19-02/20 | <u>Eunice Compressor Station, Eunice, LA</u> - Designed geotechnical parameters for gas compressor Station for various components of a typical compressor station building. | | | |
| 12/19-01/20 | <u>Huey P. Long Field House, Baton Rouge, LA</u> - Designed soil standards and parameters for four storied building that to be constructed at LSU. | | | |
| 03/18-09/19 | <u>I-66 Expansion, Segments 1 and 2, Fairfax/Prince William Counties, VA</u> – Mr. Ghanta was the Field Engineer for the project responsible for the coordination of multiple drilling crews, preparation of daily drilling assignments, the layout of over 2500 boring and 250 pavement core locations. | | | |

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| Name | Charles "Chucky" Baker | | Years of experience with this firm/employer | 10.5 |
| Title | Lead Driller | | Years of experience with other firm(s)/employer(s) | 0 |
| Degree(s) / Years / Specialization | | | N/A | |
| Active registration number / state / expiration date | | | N/A | |
| Year registered | N/A | Discipline | N/A | |
| Contract role(s) / brief description of responsibilities | | | <i>Role: Lead Driller. Mr. Baker will be responsible for providing subsurface drilling in environments varying in complexity. He will perform traditional drilling as well as CPT soundings. Additionally, he will be responsible for installing geotechnical instrumentation. Mr. Baker is also ATSSA Flagger certified.</i> | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders", "designed intersection", etc. | | | |
| 09/19-12/19 | <u>Captis Silgo Road Bridge over Red Chute Bayou, Bossier Parish, LA</u> – The proposed project includes replacement of an existing two-lane vehicular bridge across the Red Chute Bayou with a new concrete bridge. As a Lead Driller, Mr. Baker assisted with coordinating field exploration and sample transport for foundation design of the proposed bridge. | | | |
| 07/18-Ongoing | <u>SELA 26 – Florida Avenue – Phase IV, New Orleans, LA</u> – Installed 12 Inclinometers, 20 addition scheduled for installation. | | | |
| 04/14-01/19 | <u>Louis Armstrong New Orleans International Airport, Design Services for the North Terminal</u> – Performed over 100-foot-deep and shallow borings and 28 CPT soundings in support of the foundation design for the new terminal. | | | |
| 11/16-09/17 | <u>RR104 New Orleans City Street Paving, Orleans Parish, LA</u> – Drilled soil borings in support of roadway and drainage design for various neighborhoods in the New Orleans area. | | | |
| 09/18-10/18 | <u>Causeway Blvd. Widening Project, Jefferson Parish, LA</u> – Drilled multiple shallow soil borings, safely, during peak traffic hours for roadway re-design. | | | |
| 07/17-08/17 | <u>Louisiana Highway 46 Cross Drain Replacements</u> – Drilled multiple traditional soil borings using track-mounted drilling equipment. | | | |
| 08/15-10/15 | <u>LADOTD Hollywood Road Widening, Terrebonne Parish, LA</u> – Drilled borings and CPT soundings along Hollywood Road in support of drainage improvements and construction of 4-lane hwy. | | | |

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| Firm employed by: Adaptive Management and Engineering, LLC | | | | |
| Name | Venu Tammineni, PE | | Years of relevant experience with this employer | 3 |
| Title | Principal/President | | Years of relevant experience with other employer(s) | 15 |
| Degree(s) / Years / Specialization | | Master of Civil Engineering/2005/Geotechnical Engineering | | |
| Active registration number / state / expiration date | | PE 36864/LA/9-30-2022 | | |
| Year registered | 2012 | Discipline | Civil Engineering/Geotechnical | |
| Contract role(s) / brief description of responsibilities | | Principal / Mr. Tammineni will direct and provide technical guidance to geotechnical investigation, laboratory work, and geotechnical engineering design. | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| 01/20 - 12/21 | <u>City of East Baton Rouge and Parish of East Baton Rouge, City-Parish Project NO. 20-CP-HC-0004; Baton Rouge, LA:</u> Mr. Tammineni provided pavement design recommendations for the proposed pavement expansion for the Highland Road at Siegen Lane/Burbank Drive intersection. As a consultant to Fourrier & de Abreu Engineers, LLC (FDAE), Mr. Tammineni coordinated all aspects of the project including, but not limited preparation of the proposal for the project, discussion with the design team, obtaining DOTD permit, executing field exploration program, assigning laboratory tests, performing pavement analyses, and preparing the geotechnical report that has been reviewed and accepted by the design team. | | | |
| 03/22 - 04/22 | <u>City of Patterson, Patterson 2022 Street Improvements; St. Mary Parish, LA:</u> Mr. Tammineni provided pavement design recommendations for the proposed pavement improvements for various streets throughout the City of Patterson. Mr. Tammineni coordinated all aspects of the project including, but not limited preparation of the proposal for the project, discussion with the design team, assigning laboratory tests, laboratory testing QA/QC, performing pavement analyses, and preparing the geotechnical report. | | | |
| 01/18 - 02/18 | <u>City of Youngsville, Chemin Metairie Parkway and Détente Road Roundabout; Youngsville, LA:</u> The City of Youngsville planned to construct a roundabout at the existing intersection of Chemin-Metairie Parkway and Détente Road. The roundabout will have a larger footprint than the intersection and will require installation of additional fill to match grades. Planned and executed field exploration and provided recommendations for rigid and flexible pavements for the project. (Experience with previous employer) | | | |
| 06/16 - 09/16 | <u>Causeway Boulevard - Earhart Expressway Interchange; New Orleans, LA:</u> Coordinated the drilling activities for limited soil borings for the project. Three-inch diameter soil samples were obtained using a thin-walled tube and piston sampler. Soil stratigraphy was highly variable and layered and required close monitoring of the drilling crews to obtain quality soil samples. (Experience with previous employer) | | | |

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| 11/14 - 02/15 | <u>St. Landry Parish Smooth Ride Home – Phases II-A and II-B; St. Landry Parish, LA:</u> Project included improving the condition of several roadways throughout the parish. Coordinated the field investigation and provided recommendations for the roadway improvements including soil-lime and soil-cement stabilization. (Experience with previous employer) |
| 04/11 - 06/11 | <u>Phase II Apron Pavement Improvements, Lafayette Regional Airport, Lafayette, LA:</u> Project involved replacing the existing asphalt pavement apron with a new asphalt or concrete pavement apron to accommodate airplanes. Recommendations for CBR and modulus of subgrade reaction for design were provided. (Experience with previous employer) |



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| Firm employed by: Adaptive Management and Engineering, LLC | | | | |
| Name | Michael McKinney | | Years of relevant experience with this employer | 2 |
| Title | Operations Manager/Driller | | Years of relevant experience with other employer(s) | 21 |
| Degree(s) / Years / Specialization | | N/A | | |
| Active registration number / state / expiration date | | Water Well Contractor/LA/6-30-2022 | | |
| Year registered | 2012 | Discipline | Geotechnical Field Services | |
| Contract role(s) / brief description of responsibilities | | Field Services Manager/Mr. McKinney is a Water Well Contractor who will drill, and/or coordinate all field exploration. He also serves as a safety manager and Traffic Control Supervisor. | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| 03/22 - 04/22 | <u>City of Patterson, Patterson 2022 Street Improvements; St. Mary Parish, LA:</u> Mr. McKinney coordinated drilling and all field exploration services for the project. He oversaw the completion of 8 roadway soil borings and assisted with lab testing for the project. | | | |
| 01/20 - 12/21 | <u>City of East Baton Rouge and Parish of East Baton Rouge, City-Parish Project NO. 20-CP-HC-0004; Baton Rouge, LA:</u> Mr. McKinney coordinated and oversaw the field exploration for the project. Temporary lane closures had to be made for the completion of soil borings in the roadway. All field exploration was completed per MoveBR standards. | | | |
| 06/16 - 09/16 | <u>Lake Charles, LA Pavement Improvement; Calcasieu Parish, Louisiana:</u> Served as the senior driller for multiple parish highways and roads. He coordinated drill rig and other equipment mobilization, drilled, and sampled various highways and pavement types throughout Calcasieu Parish. Mr. McKinney oversaw the coring and measurement of asphalt, concrete, and base material. After knowing the pavement and base course dimensions, he completed drilling and soil sampling those locations, patching the road back after completion as per LADOTD requirements. All field explorations were completed in accordance with LA DOTD standards. (Experience with previous employer) | | | |
| 11/16 - 12/16 | <u>I-49 future Corridor Overpass Expansion Project DOTD; New Iberia Parish, Louisiana:</u> Worked as senior driller for the geotechnical investigation for the I-49 expansion and overpass. Mr. McKinney completed geotechnical sampling for deep foundations and overpass construction. All field explorations were completed in accordance with LA DOTD standards. (Experience with previous employer) | | | |

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| 04/14 - 05/14 | <u>HWY 10 Bridge for DOTD, St. Francisville, Louisiana</u> : Senior Driller for a Bridge replacement site. Mr. McKinney assisted with the mobilization, drilling, and soil sampling for four 100' soil borings. He oversaw the coring and measurement of asphalt, concrete, and base material. After pavement and base course dimensions were selected, he completed drilling and soil sampling those locations, patching the road back after completion as per LADOTD requirements. All field explorations were completed in accordance with LA DOTD standards. (Experience with previous employer) |
| 08/12 - 11/12 | Gonzales, LA Pavement Improvement DOTD, Ascension Parish, Louisiana: Senior Driller for multiple parish highways and roads. Mr. McKinney assisted with the mobilization, drilling, and soil sampling for various highways and pavement types throughout Ascension Parish. He oversaw the coring and measurement of asphalt, concrete, and base material. After the pavement and base course dimensions were selected, he completed drilling and soil sampling those locations, patching the road back after completion as per LADOTD requirements. All field explorations were completed in accordance with LA DOTD standards. (Experience with previous employer) |
| 08/12 - 04/11 | I-12 Bridge Expansion Project DOTD, Denham Springs, Louisiana: Served as a senior driller for the geotechnical investigation for the I-12 expansion and lane widening for the portion that crosses the Amite River. Mr. McKinney assisted with multiple mobilizations, drilling, and soil sampling for project field investigations, including CPT soundings and drilling for the end bents and for a group of deep foundation locations. All field explorations were completed in accordance with LA DOTD |



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| Firm employed by: Adaptive Management and Engineering, LLC | | | | |
| Name | Justin Ator, CET | | Years of relevant experience with this employer | 1 |
| Title | Laboratory Manager/Senior Technician | | Years of relevant experience with other employer(s) | 13 |
| Degree(s) / Years / Specialization | | N/A | | |
| Active registration number / state / expiration date | | CET 139594/LA/2-1-2024 | | |
| Year registered | 2012 | Discipline | Geotechnical Laboratory Testing | |
| Contract role(s) / brief description of responsibilities | | Laboratory Manager/Mr. Ator will oversee all laboratory testing and will perform specialized laboratory testing. He will provide data entry for lab testing, produce | | |
| Experience dates (mm/yy-mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| 03/22 - 04/22 | <u>City of Patterson, Patterson 2022 Street Improvements; St. Mary Parish, LA:</u> Mr. Ator provided geotechnical laboratory | | | |
| 01/22 - 03/22 | <u>1,4Group, Inc Proposed Warehouse and Plant Facility; Ascension Parish, LA:</u> Mr. Ator performed geotechnical laboratory testing and QA/QC for 8 soil borings and 15 CPTs. The project involved rigid and flexible pavement design for a proposed warehouse facility. | | | |
| 8/20 - 10/20 | <u>Flat Lake Sedimentation Study, St. Mary Parish, LA:</u> Mr. Ator performed moisture content, density, Atterberg limits, fines | | | |
| 08/19 | <u>Premier Geotech and Testing, LLC., Arbor Walk Subdivision; Walker, LA:</u> Mr. Ator managed subconsultant laboratory testing of 72 soil samples for USCS classification, moisture content, density, Atterberg limits, and unconfined compressive | | | |
| 05/19 - 06/19 | <u>Weeks Marine, Inc., Jack and Bore for Dredge Pipeline and Booster Pump Stations; Cameron Parish, LA:</u> Mr. Ator managed and performed laboratory testing for undisturbed samples including USCS classification, moisture content, density, | | | |
| 6/18 - 8/18 | <u>Bayou Long Pump Station, Atchafalaya Basin, LA:</u> Mr. Ator performed field investigation, transported soil samples to the laboratory, completed extrusions and performed moisture content, density, Atterberg limits, fines content, hydrometer | | | |

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| Firm employed by: Adaptive Management and Engineering, LLC | | | | |
| Name | Ryan Williamson, EI | | Years of relevant experience with this employer | 1.5 |
| Title | Engineer Intern/Field Engineer | | Years of relevant experience with other employer(s) | 3 |
| Degree(s) / Years / Specialization | | B.S. - Civil Engineering/2017/Geotechnical Engineering | | |
| Active registration number / state / expiration date | | EI 33623/LA/9-30-2022 Traffic Control Supervisor/LA/11-14-2023 | | |
| Year registered | 2018 | Discipline | Civil Engineering/Geotechnical | |
| Contract role(s) / brief description of responsibilities | | Engineer Intern / Mr. Williamson will coordinate, oversee, and log soil samples during field explorations. He will assist with boring logs, CPT logs, laboratory data QA/QC, drafting figures, analyses, and reporting. | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| 03/22 - 04/22 | <u>City of Patterson, Patterson 2022 Street Improvements; St. Mary Parish, LA:</u> Mr. Williamson assisted with pavement design recommendations for the proposed pavement improvements for various streets throughout the City of Patterson. Mr. Williamson acted as the field engineer for the project, collecting and logging high quality soil samples while overseeing field exploration. He provided laboratory testing QA/QC, generated boring logs, report figures, ran pavement analyses, and prepared | | | |
| 01/22-03/22 | <u>1,4Group, Inc Proposed Warehouse and Plant Facility; Ascension Parish, LA:</u> This project involved supporting pavement infrastructure for heavily loaded vehicles to access a proposed warehouse facility. Mr. Williamson assisted with the CPT portion of the field exploration, provided QA/QC for laboratory testing and boring logs, generated project figures, assisted with rigid and flexible pavement analyses, and drafted the geotechnical report. | | | |
| 04/19 - 06/19 | <u>Jack and Bore for Dredge Material Pipeline; Cameron Parish, LA:</u> The project involved a proposed Jack and Bore location for a dredge material pipeline road crossing in Cameron, LA. Mr. Williamson assisted with laboratory testing and boring log QA/QC, geotechnical analyses, and report text and figures. (Experience with previous employer) | | | |
| 01/18 - 02/18 | <u>City of Youngsville, Chemin Metairie Parkway and Détente Road Roundabout; Youngsville, LA:</u> The City of Youngsville planned to construct a roundabout at the existing intersection of Chemin-Metairie Parkway and Détente Road. The roundabout will have a larger footprint than the intersection and will require installation of additional fill to match grades. Mr. Williamson collected and logged soil samples while overseeing drilling. He assisted with analyses to provide recommendations for rigid and flexible pavements for the project. (Experience with previous employer) | | | |

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|--|--|--|---|-----|
| Firm employed by: Adaptive Management and Engineering, LLC | | | | |
| Name | Gregory Mattson, II, P.E. | | Years of relevant experience with this employer | 1.5 |
| Title | Project Lead Engineer | | Years of relevant experience with other employer(s) | 8 |
| Degree(s) / Years / Specialization | | M.S. Civil and Environmental Engineering/2014/Geotechnical Engineering | | |
| Active registration number / state / expiration date | | PE 42387/LA/9-30-2022 Traffic Control Technician/LA/11-14-2023 | | |
| Year registered | 2018 | Discipline | Civil Engineering/Geotechnical | |
| Contract role(s) / brief description of responsibilities | | Project Engineer / Mr. Mattson will provide field assistance as needed, provide laboratory data QA/QC, and conduct the engineering analyses and reporting. | | |
| Experience dates (mm/yy–mm/yy) | Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s). | | | |
| 03/22 - 04/22 | <u>City of Patterson, Patterson 2022 Street Improvements; St. Mary Parish, LA:</u> Mr. Mattson assisted with pavement design recommendations for and provided laboratory testing QA/QC. Additionally, he provided technical review for the geotechnical report. | | | |
| 01/22-03/22 | <u>1,4Group, Inc Proposed Warehouse and Plant Facility; Ascension Parish, LA:</u> This project involved supporting pavement infrastructure for heavily loaded vehicles to access a proposed warehouse facility. Mr. Mattson was the on-site field engineer for the boring conducted as part of the field exploration. Additionally, provided QA/QC for laboratory testing and boring logs, generated project figures, assisted with rigid and flexible pavement analyses, and drafted the geotechnical report. | | | |
| 01/20 - 02/20 | <u>McKim and Creed, PWS Trinity Derby Brine Pipeline; Frio County, TX:</u> McKim and Creed is moving forward designing a brine transportation pipeline that includes trenchless crossings of roads, rivers, and railroad tracks. This phase of the project includes two HDD crossings, one at the Frio River and the other at Interstate 35 and a railroad. The field exploration program included the geotechnical drilling and sampling of two 50-foot soil borings. Mr. Mattson coordinated with the client’s project manager and developed the proposal; provided laboratory data QA/QC; assisted with HDD recommendations; and assembled the GDR. (Experience with previous employer) | | | |
| 04/19 - 06/19 | <u>Jack and Bore for Dredge Material Pipeline; Cameron Parish, LA:</u> The project involved a proposed Jack and Bore location for a dredge material pipeline road crossing in Cameron, LA. Mr. Mattson provided laboratory QA/QC, conducted geotechnical analyses, and drafted the report. (Experience with previous employer) | | | |

17. Firm Experience:

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|---|--|---|--|
| Firm name | Professional Service Industries, Inc. | Past Performance Evaluation Discipline(s)* | Geotech |
| Project name | LA-1 Port Allen Canal Bridge Replacement | Firm responsibility (prime or sub?) | Sub |
| Project number | H.001234 | Owner's name | Louisiana Department of Transportation C/O Kiewit Infrastructure South Co. |
| Project location | West Baton Rouge Parish, LA | Owner's Project Manager | Seth McDuffie |
| Owner's address, phone, email | 13119 Old Denton Road, Fort Worth, TX 76177, 504-331-3654, william.mcduffie@kiewit.com | | |
| Services commenced by this firm (mm/yy) | 07/21 | Total consultant contract cost (\$1,000's) | \$235 |
| Services completed by this firm (mm/yy) | ONG | Cost of consultant services provided by this firm (\$1,000's) | \$132 to date |

The proposed project will replace the current southbound bridge with a new bridge that will be constructed on the west side of the existing structure. Additionally, Ernest Wilson Drive and LA 1 will be realigned to connect with the new bridge. This is part of a two-phased project that once completed, will have a new southbound bridge that has three 12-foot lanes and 10-foot shoulders and a new northbound bridge with two 12-foot lanes and 10-foot shoulders and a barrier separated exit lane for I-10 eastbound.

PSI scope of services includes pile load testing, vibration monitoring, pile dynamic monitoring, earthwork and on-site set-up and furnishing of a laboratory. PSI's Deep Foundations team is currently working with project personnel during production pile driving operations. Dynamic testing is being performed on subject test piles during their initial drive and all subsequent restrrike testing according to LA DOTD methodology.

During construction PSI provided technicians to monitor each side of the canal during pile driving operations with an additional monitor held on site as a reserve. Our team aided in the dynamic testing of suspect piles including restrrike events to measure maximum stresses. PSI also supplied and furnished an on-site laboratory to facilitate quick turnaround on laboratory testing.

Key Personnel

| | |
|--------------------------|---------------------|
| Reda Bakeer, Ph.D., P.E. | Nabil Mikhail, P.E. |
| Leo Keegan, E.I. | Mason Maitre, E.I. |

17. Firm Experience:

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|---|---|---|---|
| Firm name | Professional Service Industries, Inc. | Past Performance Evaluation Discipline(s)* | Geotech |
| Project name | TC Energy Red Mountain Compressor Station Proposed Bridge & Retaining Wall – Geotechnical & PDA | Firm responsibility (prime or sub?) | Prime |
| Project number | | Owner’s name | TC Energy |
| Project location | Enterprise, LA | Owner’s Project Manager | Michael De Moya, P.E. & Mr. Pat Beasley |
| Owner’s address, phone, email | 700 Louisiana Street, Suite 9118A, Houston, TX 77002 | | |
| Services commenced by this firm (mm/yy) | 11/21 | Total consultant contract cost (\$1,000’s) | \$50.7 |
| Services completed by this firm (mm/yy) | 04/22 | Cost of consultant services provided by this firm (\$1,000’s) | \$50.2 |

Describe the project including the firm’s role and members involved. (Highlight staff to be used in this proposal.)

The proposed project consists of the construction of a bridge at an existing creek location inside the Red Mountain Compressor Station in Enterprise, LA.

Professional Service Industries, Inc. was contracted to evaluate the subsurface conditions at the site and develop engineering recommendations and guidelines for use in preparing the design and other related construction documents for the proposed project. PSI’s activities included drilling a total of two (2) soil borings using solid stem augers and a wet rotary during field exploration and supplemental testing in PSI’s USACE validated and AASHTO accredited laboratory.

In addition to the preliminary geotechnical investigation, PSI provided Dynamic Pile Analyzer (PDA) high strain testing services. PSI performed five (5) 14-inch square precst prestressed concrete piles during initial driving using in-house personnel and equipment. Our deep foundations team analyzed single blows applied on the test pile using the Case Pile Wave Analysis (CAPWAP). For each dynamic testing event (i.e., initial drive or restrrike), CAPWAP analysis was performed on a single blow recorded at the end of initial driving (within the last foot).

Key Personnel

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|---------------------|----------------------|
| Reda Bakeer, P.E. | George Segré, P.E. |
| Nabil Mikhail, P.E. | Prasoon Tiwari, P.E. |
| Leo Keegan, E.I. | Mason Maitre, E.I. |
| Charles Baker | |

17. Firm Experience:

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|---|---|---|---|
| Firm name | Professional Service Industries, Inc. | Past Performance Evaluation Discipline(s)* | Geotech |
| Project name | Chris Kennedy Road & Bridge Replacement Project | | Firm responsibility (prime or sub?) Sub |
| Project number | | Owner's name | Linfield, Hunter & Junius C/O St. Tammany Parish Government |
| Project location | Pearl River, LA | Owner's Project Manager | Anthony F. Goodgion, P.E. |
| Owner's address, phone, email | 3608 18 th Street, Suite 200, Metairie, LA 70002, 504-833-5300, agoodgion@lhjunius.com | | |
| Services commenced by this firm (mm/yy) | 01/22 | Total consultant contract cost (\$1,000's) | \$8.3 |
| Services completed by this firm (mm/yy) | 03/22 | Cost of consultant services provided by this firm (\$1,000's) | \$7.3 |

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

The proposed project consists of the replacement of an existing two-lane vehicular bridge across Gum Creek in St. Tammany Parish, Louisiana. Preliminary information indicated the bridge would be supported on deep foundations (piles) with flexible (asphalt) and rigid (concrete) pavement improvements. The project site was heavily wooded on either side of the road, and drainage ditches extended parallel to Chris Kennedy Rd. and appeared to transition into buried flexible corrugated pipe drain lines which appeared to outfall into Gum Creek. A series of overhead utility lines paralleled the road on the opposite bank of the canal/pile.

Professional Service Industries, Inc. was contracted to explore the subsurface conditions at the site and prepare geotechnical recommendations for the proposed construction. The contracted scope of services included drilling two (2) soil borings and performing select geotechnical laboratory testing in PSI's USACE validated and AASHTO accredited laboratory.

PSI obtained borings at a depth of 80 ft. using a track-mounted drilling rig using both solid-stem and wet rotary drilling techniques. Samples were generally obtained at two (2) foot intervals from the ground surface to a depth of 10 ft. and a maximum of five (5) foot intervals thereafter to the boring termination depths.

Key Personnel

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|---------------------|----------------------|
| Reda Bakeer, P.E. | Prasoon Tiwari, P.E. |
| Nabil Mikhail, P.E. | George Segré, P.E. |
| Charles Baker | Ali Hijazi |

17. Firm Experience:

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|---|---|---|--|
| Firm name | Professional Service Industries, Inc. | Past Performance Evaluation Discipline(s)* | Road, Geotech |
| Project name | Proposed Causeway Boulevard Widening Project, Airline Drive to West Napoleon Avenue | Firm responsibility (prime or sub?) | Sub |
| Project number | | Owner's name | Jefferson Parish Government C/O Design Engineering, Inc. |
| Project location | Metairie, LA | Owner's Project Manager | Mr. Ben Bartlett |
| Owner's address, phone, email | 3330 W. Esplanade Avenue, Suite 205, Metairie, LA 70002, 504-836-2155, bbartlett@dei-engr.com | | |
| Services commenced by this firm (mm/yy) | 01/22 | Total consultant contract cost (\$1,000's) | \$75.6 |
| Services completed by this firm (mm/yy) | 01/19 | Cost of consultant services provided by this firm (\$1,000's) | \$75.6 |

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

The proposed project consists of milling, overlays and widening of the existing Causeway Boulevard from Airline Drive to West Napoleon Avenue in Jefferson Parish, LA. Below grade utility improvements include 15-inch to 72-inch Reinforced Concrete Pipe (RCP) for drainage parallel to Causeway Blvd. on both sides southbound and northbound. The maximum invert depth of the new drainage pipes was approximately 11 feet below the existing grades.

Professional Service Industries, Inc. was contracted to determine existing roadway sections (i.e., pavement surface, base, and subbase), evaluate the subsurface conditions at the subject site. PSI's contracted scope of services included performing a total of 14 cores within the travel lanes of the existing roadways and performing eight (8) soil borings. PSI personnel measured pavement and base thickness at coring locations and conducted select laboratory testing. PSI provided general recommendations for shoring and bracing of excavations, soil bearing capacity and foundations requirements for proposed street light and traffic signals and embankment recommendations for paving between North Causeway Blvd. and the Causeway Blvd. service road.

Key Personnel

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|----------------------|------------------------|
| Reda Bakeer, P.E. | Prasoon Tiwari, P.E. |
| Nabil Mikhail, P.E. | John Gordon, P.E. |
| Leo Keegan, E.I. | Ali Hijazi |
| Daniel Donehoo, E.I. | Naga Raja Ghanta, E.I. |
| Charles Baker | |

17. Firm Experience:

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|---|--|---|--|
| Firm name | Professional Service Industries, Inc. | Past Performance Evaluation Discipline(s)* | Bridge, Geotech |
| Project name | SH- Grand Parkway, Segments H & I | | Firm responsibility (prime or sub?) Sub |
| Project number | | Owner's name | Texas Department of Transportation |
| Project location | Harris County, TX | Owner's Project Manager | Quincy Allen, P.E. |
| Owner's address, phone, email | 125 East 11 th Street, Austin, TX 78701, 713-802-5002, quincy.allen@txdot.gov | | |
| Services commenced by this firm (mm/yy) | 06/17 | Total consultant contract cost (\$1,000's) | \$900,424 |
| Services completed by this firm (mm/yy) | 05/18 | Cost of consultant services provided by this firm (\$1,000's) | \$2,000 |

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

The proposed project consists of a 180-mile circumferential highway traversing seven counties in the Greater Houston Area. State Highway 99 (SH 99) is a 180-mile circumferential highway traversing seven counties in the Greater Houston Area. It is divided into 11 segments designated A through I-2. All segments together are referred to as the "Grand Parkway." PSI was retained to provide geotechnical services in support of design of segments H, and I1 & I2. The project consists of constructing approximately 53 bridges including 2 major interchanges at US-59 and I-10. The project also consists of approximately 41,000 linear feet of MSE retaining walls as well as Continuously Reinforced Concrete Pavement.

PSI Geotechnical scope of services includes drilling several exploratory borings with a total footage of about 13,000 feet, laboratory testing and the provision of geotechnical analyses including Pavement Design, Foundation Design for Bridges and Retaining Walls, Earth Pressures and Lateral load analyses for retaining walls, slope stability for roadway embankment structures and various other engineering analyses/recommendations.

Key Personnel

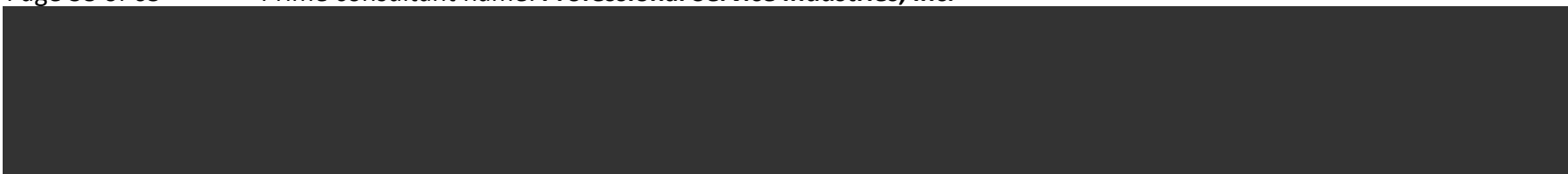
| | |
|--------------------------------|------------------------|
| Shashank Valluru, P.E. | Chris Mings, P.E. |
| Shailendra Endley, Ph.D., P.E. | Prasoon Tiwari, P.E. |
| Charles Baker | Naga Raja Ghanta, E.I. |

17. Firm Experience:

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|---|---|---|--|------|
| Firm name | Adaptive Management and Engineering, LLC | Past Performance Evaluation Discipline(s)* | Geotech | |
| Project name | Proposed Pavement Expansion for the Highland Road at Siegen Lane/ Burbank Drive Intersection | | Firm responsibility (prime or sub?) | Sub |
| Project number | 20-CP-HC-0004 | Owner's name | City of Baton Rouge and Parish of East Baton Rouge | |
| Project location | Baton Rouge, LA | Owner's Project Manager | Seneca Toussant, P.E. | |
| Owner's address, phone, email | 343 Third Street, Suite 511B, 225-960-1160; stoussant@laterre-eng.com (Design Team Contact) | | | |
| Services commenced by this firm (mm/yy) | 01/22 | Total consultant contract cost (\$1,000's) | | |
| Services completed by this firm (mm/yy) | 03/22 | Cost of consultant services provided by this firm (\$1,000's) | | \$25 |

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

The project consists of several options to increase turn lanes, increase storage lengths, and provide additional capacity through the Highland Road and Siegen Lane/Burbank Drive intersection. Mr. McKinney coordinated and oversaw the field exploration for the project, which included 8 soil borings and a hand auger. Field exploration was completed on the existing pavement by Mr. McKinney, which required traffic control. Mr. Tammineni provided pavement design recommendations for the proposed pavement expansions. Mr. Tammineni coordinated all aspects of the project including, but not limited to preparation of the proposal for the project, discussion/coordination with the design team, obtaining DOTD permit, executing field exploration program, assigning laboratory tests, performing pavement analyses, and preparing the geotechnical report that has been reviewed and accepted by the design team.



17. Firm Experience:

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|---|--|---|-------------------------------------|-----|
| Firm name | Adaptive Management and Engineering, LLC | Past Performance Evaluation Discipline(s)* | Geotech | |
| Project name | City of Patterson 2022 Street Improvements | | Firm responsibility (prime or sub?) | Sub |
| Project number | N/A | Owner's name | City of Patterson, LA | |
| Project location | St. Mary's Parish, LA | Owner's Project Manager | Melanie Caillouet, P.E. | |
| Owner's address, phone, email | 1297 St. Charles Street, Suite H, Houma, Louisiana 70360, 985-876-6380, melanie.caillouet@providenceeng.com | | | |
| Services commenced by this firm (mm/yy) | 03/22 | Total consultant contract cost (\$1,000's) | | |
| Services completed by this firm (mm/yy) | 04/22 | Cost of consultant services provided by this firm (\$1,000's) | | \$8 |

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

The City of Patterson is conducting roadway improvements for selected roads throughout the city. The roadway surfaces are currently asphalt or crushed limestone wearing surface, with an aggregate and sand base layer present in some locations. The asphalt surface layer has degraded in multiple locations, exposing the crushed limestone base. AME performed 8 soil borings on the existing roadways in support of a new pavement design. The field explorations were coordinated and overseen by Mr. McKinney. A full suite of laboratory testing was performed on the thin-walled tube samples. Mr. Ator oversaw and performed QA/QC on all laboratory testing, and generated soil boring logs for the project. Engineering design and reporting was overseen by Mr. Tammineni.



17. Firm Experience:

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|---|--|---|-------------------------------------|------|
| Firm name | Adaptive Management and Engineering, LLC | Past Performance Evaluation Discipline(s)* | Geotech | |
| Project name | 1, 4 Group, Inc. Proposed Warehouse Facility | | Firm responsibility (prime or sub?) | Sub |
| Project number | N/A | Owner's name | 1, 4 Group, Inc. | |
| Project location | Ascension Parish, LA | Owner's Project Manager | Gary Leonards, P.E. | |
| Owner's address, phone, email | 1297 St. Charles Street, Suite H, Houma, Louisiana 70360, 985-876-6380, gary.leonards@providenceeng.com | | | |
| Services commenced by this firm (mm/yy) | 01/22 | Total consultant contract cost (\$1,000's) | | |
| Services completed by this firm (mm/yy) | 0322 | Cost of consultant services provided by this firm (\$1,000's) | | \$27 |

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

The proposed warehouse project parcel is an approximately 9-acre, previously forested lot in Geismar, Louisiana. The warehouse facility will include various structures including a chiller and boiler, main plant, laboratory, warehouse, office building, a parking lot, and roadways. The pavement design for the project includes both rigid and flexible pavements to be accessed by heavily loaded vehicles. Mr. McKinney coordinated the field exploration activities, which included five soil borings and 15 CPTs completed to a depth of up to 60 feet below ground surface. Mr. Ator oversaw laboratory testing for the project, performed QA/QC, and generated boring and CPT logs. Technical guidance for engineering analyses and reporting was provided by Mr. Tammineni.



18. Approach and Methodology:



Professional Service Industries, Inc. an Intertek company (PSI) approaches this IDIQ to provide LaDOTD with a collection of capable personnel, equipment and understanding to set a course to accomplish the existing goals of LaDOTD. Each member of our team will play a vital role in the PSI effort to provide quality, cost-efficient and time-conscious service to LaDOTD.

To accomplish this, PSI has assembled a very strong, talented and experienced group of highly respected industry professionals with deep knowledge of the geotechnical conditions and best practices in Louisiana. Dr. Reda Bakeer, Ph.D., P.E., D.G.E., F. ASCE, who has a wealth of experience working on LaDOTD projects and LTRC projects will lead the PSI team. PSI's Jefferson, LA office houses four Louisiana PEs and four engineering interns. The local team is supported by three senior Louisiana PEs at our offices in Houston, TX and Memphis, TN with several valuable Louisiana project experience. In addition, one other PSI assigned as Project Executive is registered in a neighboring state with a Louisiana distinction to come. The PSI team has extensive transportation experience and is quite familiar with FHWA and LaDOTD procedures and guidelines including Field Exploration, Testing Procedures, LRFD design requirements, Geotechnical Engineering Services Document, Bridge Manual and Roadway Design Procedures and Details as well as AASHTO and ASTM standards. The PSI team is also entirely familiar with the requirements of other local agencies such as USACE HSDRRS-DG and CPRA LFPDG. The members of the PSI team represent collectively speak to our considerable experience with LRFD foundation design, pavement design and construction, conventional and risk-based embankment design, pile-supported approach slabs, drilled shaft, semi-integral bridges, preload surcharge programs, lightweight fill (geofoam, lightweight aggregate, etc.), seepage, dewatering, deep excavations, geosynthetics, earth-retaining structures, in-situ testing (CPT, VST, etc.), and instrumentation and monitoring (PDA, PIT, GPR, piezometers, inclinometers, etc.).

Professional Service Industries, Inc. Louisiana History

The PSI team has completed hundreds of Geotechnical and Construction Services projects throughout Louisiana since 1978. PSI has maintained and updated the drilling, field testing and laboratory testing equipment at each of the four Louisiana office. PSI has offices in Jefferson, Baton Rouge, West Monroe and Shreveport. The locations allow PSI to quickly and efficiently mobilize to provide the services required to fulfill this IDIQ, if awarded. No LaDOTD project, regardless of scope is out of the reach of PSI and our team can provide cost-saving responsiveness when called upon.

The PSI Advantage to LaDOTD

In conjunction with the extensive knowledge and experience of the PSI staff, PSI maintains one (1) truck-mounted and one (1) ATV-mounted Simco 2800 drill rigs, and two (2) Geoprobe 7822DT CPT rigs with conventional Geoprobe drilling and sampling capabilities. The rigs are strategically placed in our Jefferson, Baton Rouge, and Shreveport offices and are equipped with automatic Standard Penetration Test (SPT) hammers which are calibrated annually. The two (2) PSI CPT track mounted rigs have a small footprint which allows for performing 12-, 18-, 20-ton (with added attachment and based on ability to anchor effectively) field explorations in tight areas inaccessible to larger, truck mounted equipment. They utilize a 60° apex cone, 1.4-inch diameter, Type 2 electric cone penetrometer that meets ASTM D5778 specification and records the pore water pressure (CPTu).

The local equipment is supported by six (6) other Simco 2800 drill rigs in Houston, TX and three (3) CME 55 drill rigs in Memphis that have routinely conducted drilling operations in LA. LaDOTD can expect to have all equipment available for assignment pending award of this IDIQ contract, as needed.

Our field personnel are experience with drilling and sampling using rotary-type drilling rigs mounted on trucks, ATVs, marsh buggies, pontoon boats, and barges. Our typical drilling procedure includes advancing the borings using the rotary wash, solid stem or hollow stem drilling to the desired depths. Bore-holes are always grouted upon completion in accordance with State regulations. Relatively undisturbed samples are obtained in cohesive and semi-cohesive soils using 3-inch or 5-inch diameter, thin-walled galvanized Shelby tubes . The retrieved sample is extruded in the field, visually classified, wrapped in foil, and placed in moisture proof containers and protective casing for transportation to the laboratory. Select samples may also be left in the tube, classified visually by observing the soil at the end of the tube, and then the tube ends are sealed with plastic caps and expandable disk-type seals. All PSI rigs are equipped with automatic SPT hammers that are regularly calibrated and inspected for use in testing and sampling cohesionless soils. In addition, PSI utilized other sampling methods including pits, grab, bottom samplers, etc. PSI provides other field testing such as VST, DMT and PMT. Our crews are quite familiar with installing and abandoning field instrumentation (inclinometers, standpipe and VW piezometers, Sondex, settlement plates, sensors, etc.) in accordance with State regulations.

PSI has multiple AASHTO accredited laboratories across the country including three in Louisiana. The local laboratories routinely perform tests specified in this advertisement in addition to some specialized testing. Our AASHTO scope of accreditation varies among our labs but the test procedures specified in this RFQ are covered by our certifications. In the event, any test is not covered by the nearest laboratory, it will be routed to the closest qualified laboratory for completion of testing.

The PSI Deep Foundations team has significant experience with construction, testing and monitoring of drilled shafts and driven pile foundations; field instrumentation and monitoring; preload surcharge programs with and without wick drains; and earth retaining structures. Our in-house PDA, NDT and instrumentation capabilities (GPR, PIT, etc.) are provided by Leo Keegan, E.I. and Mason Maitre, E.I. under the guidance of Dr. Reda Bakeer, Ph.D., P.E. and Prasoon Tiwari, P.E. Our Deep Foundations personnel has extensive experience with cross hole sonic logging of drilled shafts and high strain dynamic pile testing (PDA). PSI has performed and/or monitored pile foundation construction using static load tests and the PDA and software including CAPWAP and GRLWEAP for Hammer Approval, test pile, monitor pile and indicator pile monitoring, integrity testing, and have generated bearing capacity graphs, recommended driving criteria, and final pile tip elevations.

Personnel Experience on Similar Projects

The PSI team lead Reda Bakeer, Ph.D., P.E., D.GE, F.ASCE who has nearly 40 years of geotechnical research and consulting experience particularly in LA and TX. He received FHWA training in Advanced Pavement Management Systems and is intimately familiar with FHWA, LaDOTD, ASTM, and AASHTO procedures, regulations, and expectations. He has been involved in many significant LaDOTD and LTRC projects including key roles within similar IDIQ contracts and notably served as a lead geotechnical investigator on the studies on Mitigating Bridge Settlements with Pile-Supported Approach Slabs, performance of LA Semi-Integral Bridges and Movements of the I-20 Bridge Piere in Vicksburg, MS. He provided consulting during the design of the widening of the Huey P. Long

Bridge. He implemented the results of his LTRC study on pile-supported slabs in design and construction of Runway 10-28 rehabilitation at Louis Armstrong New Orleans International Airport. PSI will provide Dr. Bakeer with all the resources within is authority to perform any task assigned under this IDIQ contract. As the proposed Principal-in-Charge for this IDIQ contract, he will be responsible for personnel, fiscal, engineering and QA/QC compliance.

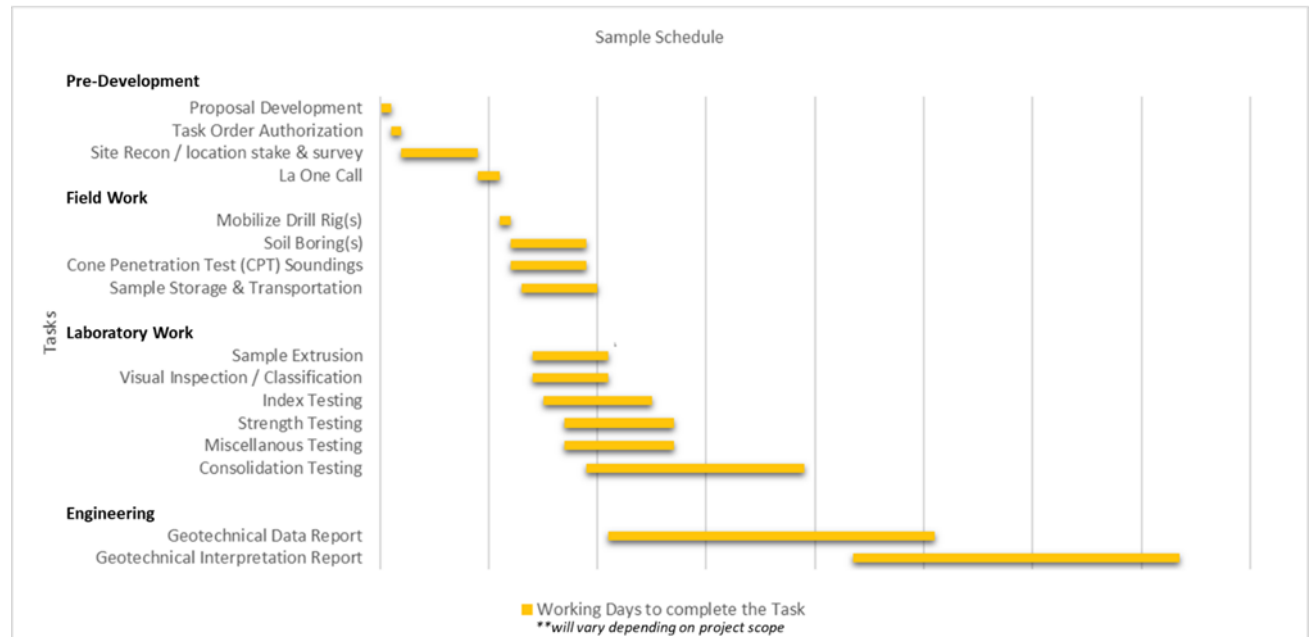
Project Schedule

From a PSI perspective, implementation begins with integrating our team with the LaDOTD team assigned to a given project. PSI would plan to meet with the LaDOTD project design team, contract team and supporting Architectural & Engineering firms as soon as possible after notification of a contract assignment. Upon receipt of project assignment, PSI engineering personnel led by Reda Bakeer, Ph.D., P.E., will develop a detailed plan including a cost estimate and schedule. This plan will also identify technical staff to be assigned to the task and the resulting deliverables.

As a project example, PSI has developed the schedule above for a hypothetical LaDOTD project.

Place of Performance

PSI’s main hub for geotechnical work will come from our Jefferson, LA office, with support for Baton Rouge, West Monroe, and Shreport offices, positioning PSI in an ideal area to perform field testing duties throughout the state as required for this retainer contract. We have accredited laboratories in Jefferson, Baton Rouge, and Shreveport that can dedicate resources to this contract. If needed, PSI offices from neighboring states can offer services at no additional cost to LaDOTD. PSI offices maintain multiple commercial software licenses such as L-Pile, Geostudio Suite, Group 7, A-Pile, FLAC, and and Settle-3D. Our engineers are also experienced with other geotechnical and pavement design software published by FHWA, such as Driven and Darwin, USACE and FAA.



DBE Partnership with Adaptive Management and Engineering

AME is a DBE and a Hudson Initiative firm located in Baton Rouge, Louisiana. AME firm license number is EF.0006701. AME provides geotechnical, instrumentation, and construction monitoring services to various public and private sector clients. AME personnel have considerable experience working in the soft fine-grained soils of southern Louisiana, including coastal, alluvial and Pleistocene soils. AME's fleet of field exploration equipment includes an ATV-mounted drill rig, a hand auger, and a miniature vibratory coring sampler. AME have a full-service AASHTO accredited and USACE Validated geotechnical laboratory in Baton Rouge, offering soil extruding, classification testing, strength testing, and specialized testing (consolidation, permeability, miniature vane and other tests). AME is committed to working with the PSI team in planning and executing the project and will complete the tasks provided to meet or exceed the industry standards.

AN UNMATCHED DEDICATION TO QUALITY

We understand that Quality Assurance/Quality Control (QA/QC) is of significant importance on all LaDOTD contracts. Consequently, the PSI team will develop and implement a contract specific QA/QC plan to assure the delivery of high-quality services. We have developed similar QA/QC plans on numerous Design-Build; P3; and Conventional Design, Bid, Build projects throughout the region. Our internal QA team is an integral part of the PSI process, assuring that all field and laboratory procedures follow the required ASTM and/or AASHTO standards as well as LaDOTD specific regulations and requirements. We have extensive experience with sampling, handling and testing of the extremely soft soils encountered in many LaDOTD projects. Moreover, all strength, compressibility, and other geotechnical parameters are double peer-reviewed in order to ascertain that representative values are being used in the respective analyses. The same double-peer system is then used for reviewing the analyses and preliminary and final reports.

The QA/QC program development and compliance will receive direct supervision and directions from two of our most distinguished and senior P.E.'s (Endley and Gordon). PSI will adhere to LaDOTD requirements and standards with regard to field exploration and monitoring, laboratory testing, instrumentation, analyses and reporting including preparation of LaDOTD soil boring logs and technical reports. Our field and laboratory equipment calibration and certificates will remain current and up-to-date prior to and throughout the contract period. We will provide access to LaDOTD to review and inspect our facilities and equipment, attend drilling, and will provide any necessary support documents/certificates. In this regard, we will work closely and communicate regularly with the LaDOTD Geotechnical Section prior to and during the execution of the various activities under this contract. Our team leaders will communicate regularly with the LaDOTD geotechnical staff to assure their satisfaction with our compliance. Any additional LaDOTD guidance or recommendations will be appreciated, discussed, and implemented as needed.

19. Workload:

For all contracts where a firm on the team is a prime consultant or sub-consultant and where a) the consultant selection was made by DOTD, and b) a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

- 1) one of the team’s firms is responsible for the performance of the work;
- 2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
- 3) the work has not yet been performed and invoiced; and
- 4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually. List only the portion of the fees attributable to firms on the team.

| Firm(s) | Past Performance Evaluation Discipline(s) * | State project number | Project name | Remaining Unpaid Balance** |
|---------------------------------------|---|----------------------|--------------|----------------------------|
| Professional Service Industries, Inc. | Geotechnical | N/A | N/A | 0 |
| Adaptive Management & Engineering | Geotechnical | N/A | N/A | 0 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

(Add rows as needed)

DO NOT SUM

* The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per evaluation discipline.

** Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. LEAVING THE “REMAINING UNPAID BALANCE” COLUMN BLANK IS NOT ACCEPTABLE.

20. Certifications/Licenses:

If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.

See attached.



Office of Conservation | Department of Natural Resources
STATE OF LOUISIANA

WATER WELL CONTRACTOR'S LICENSE

The Office of Conservation
for the Department of Natural Resource
State of Louisiana

hereby acknowledges that

PROFESSIONAL SERVICE INDUSTRIES, INC.

Leo Keegan

has been licensed to drill monitoring wells under the provisions of R.S. 38:3098
and is entitled to practice in the state of Louisiana as a Water Well Contractor.

This License is non-transferable and expires June 30, 2019 unless
renewed, revoked or suspended by the licensing authority as prescribed by statute.

Signed and sealed this 20th day of May, 2019

RICHARD P. IEYOUB

COMMISSIONER OF CONSERVATION

Office of Conservation
Louisiana Department of Natural Resources

License No. WWC- # 275

*The American Traffic Safety
Services Association*

Hereby recognizes that

Naga Raja Ghanta

has attended

**Traffic Control Supervisor-LA State Specific
Training Course**

11/13/2019 to 11/14/2019
Date

Baton Rouge, LA
Location



Jessica Whittington

Training & Products Dept. Director

Ryan A. Wentz

President, CEO



LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations
& under the State of Louisiana United Certification Program (LAUCP)

Adaptive Management and Engineering, LLC

Is a Certified Disadvantaged Business Enterprise (DBE) & Small Business Element (SBE) in the following specialties:

NC541330 NC541380

NOTE: There may be other approved NAICS Codes. The online DBE Directory includes a complete list of approved codes.

Certificate Eligibility: February 2022 to February 2023

This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development



Office of Conservation | Department of Natural Resources
STATE OF LOUISIANA

WATER WELL CONTRACTOR'S LICENSE

The Office of Conservation
for the Department of Natural Resource
State of Louisiana

hereby acknowledges that

ADAPTIVE MANAGEMENT ENGINEERING

Michael McKinney

has been licensed to drill monitoring wells under the provisions of R.S. 38:3098
and is entitled to practice in the state of Lousiana as a Water Well Contractor.

This License is non-transferable and expires June 30, 2022 unless
renewed, revoked or suspended by the licensing authority as prescribed by statute.

Signed and sealed this 9th day of August, 2021

RICHARD P. IEYOUB
COMMISSIONER OF CONSERVATION
Office of Conservation
Louisiana Department of Natural Resources

License No. WWC- # 867

*The American Traffic Safety
Services Association*

Hereby recognizes that

Michael McKinney

has attended

**Traffic Control Supervisor-LA State Specific
Training Course**

11/13/2019 to 11/14/2019

Date

Baton Rouge, LA

Location



SAFER ROADS SAVE LIVES

Jessica Schuyler

Training & Products Dept. Director

Ryan A. Wentz

President, CEO

*The American Traffic Safety
Services Association*

Hereby recognizes that

Ryan Williamson

has attended

**Traffic Control Supervisor-LA State Specific
Training Course**

11/13/2019 to 11/14/2019
Date

Baton Rouge, LA
Location



Jessica Shugler

Training & Products Dept. Director

Ryan A. Wentz

President, CEO

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

| Name | Type | City | Status |
|---------------------------------------|--------------------------------------|------------|--------|
| PROFESSIONAL SERVICE INDUSTRIES, INC. | Business Corporation (Non-Louisiana) | WILMINGTON | Active |

Previous Names

Business: PROFESSIONAL SERVICE INDUSTRIES, INC.

Charter Number: 34102143F

Registration Date: 12/23/1982

Domicile Address

251 LITTLE FALLS DRIVE
WILMINGTON, DE 19808

Mailing Address

545 E. ALGONQUIN ROAD
ARLINGTON HEIGHTS, IL 60005

Principal Business Office

545 E. ALGONQUIN ROAD
ARLINGTON HEIGHTS, IL 60005

Registered Office in Louisiana

501 LOUISIANA AVENUE
BATON ROUGE, LA 70802

Principal Business Establishment in Louisiana

501 LOUISIANA AVENUE
BATON ROUGE, LA 70802

Status

Status: **Active**

Annual Report Status: **In Good Standing**

Qualified: 12/23/1982

Last Report Filed: 11/23/2020

Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

Agent: CORPORATION SERVICE COMPANY

Address 1: 501 LOUISIANA AVENUE

City, State, Zip: BATON ROUGE, LA 70802

Appointment Date: 4/15/2016

Officer(s)

Additional Officers: No

| | |
|--------------------------|-----------------------------------|
| Officer: | TODD ANDREWS |
| Title: | Secretary |
| Address 1: | 545 E. ALGONQUIN ROAD |
| City, State, Zip: | ARLINGTON HEIGHTS, IL 60005 |
| Officer: | GAVIN CAMPBELL |
| Title: | Officer, Director |
| Address 1: | 545 E. ALGONQUIN ROAD |
| City, State, Zip: | ARLINGTON HEIGHTS, IL 60005 |
| Officer: | GREGG TIEMANN |
| Title: | Director |
| Address 1: | 545 E. ALGONQUIN ROAD |
| City, State, Zip: | ARLINGTON HEIGHTS, IL 60005 |
| Officer: | DARRIN HARKNESS |
| Title: | Vice-President |
| Address 1: | 200 WESTLAKE PARK BLVD, SUITE 400 |
| Address 2: | WESTLAKE BUILDING 4 |
| City, State, Zip: | HOUSTON, TX 77079 |
| Officer: | WHITNEY BERGFELD |
| Title: | Officer |
| Address 1: | 545 E. ALGONQUIN ROAD |
| City, State, Zip: | ARLINGTON HEIGHTS, IL 60005 |
| Officer: | CHRIS CARSTEN |
| Title: | President, Director |
| Address 1: | 545 E. ALGONQUIN ROAD |
| City, State, Zip: | ARLINGTON HEIGHTS, IL 60005 |
| Officer: | TIM COUROSSI |
| Title: | Officer |
| Address 1: | 200 WESTLAKE PARK BLVD, SUITE 400 |
| Address 2: | WESTLAKE BUILDING 4 |
| City, State, Zip: | HOUSTON, TX 77079 |

Mergers (1)

| Filed Date | Effective Date: | Type | Charter# | Chater Name | Role |
|------------|-----------------|-------|-----------|---------------------------------------|--------------|
| 6/17/1988 | 6/17/1988 | MERGE | 34102143F | PROFESSIONAL SERVICE INDUSTRIES, INC. | SURVIVOR |
| | | | 11204360F | PTL-INSPECTORATE, INC. | NON-SURVIVOR |

Amendments on File (11)

| Description | Date |
|-------------------------|------------|
| Merger | 6/17/1988 |
| Disclosure of Ownership | 7/1/1992 |
| Disclosure of Ownership | 12/22/1992 |
| Disclosure of Ownership | 6/1/1993 |

| | |
|---------------------------------|------------|
| Stmt of Chg or Chg Prin Bus Off | 1/26/1995 |
| Disclosure of Ownership | 2/23/1995 |
| Disclosure of Ownership | 5/6/2003 |
| Disclosure of Ownership | 12/17/2007 |
| Stmt of Chg or Chg Prin Bus Off | 1/29/2008 |
| Stmt of Chg or Chg Prin Bus Off | 10/18/2015 |
| Stmt of Chg or Chg Prin Bus Off | 4/15/2016 |

Print



CERTIFICATE OF ACCREDITATION



Professional Service Industries, Inc. - an Intertek Group plc company

in


Jefferson, Louisiana, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).



Jim Tymon,
AASHTO Executive Director



Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 08/20/2021 at 9:29 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:
Professional Service Industries, Inc. - an Intertek Group plc company
in Jefferson, Louisiana, USA

Quality Management System

| Standard: | Accredited Since: |
|---|--------------------------|
| R18 Establishing and Implementing a Quality System for Construction Materials Testing Laboratories | 04/22/2003 |
| C1077 (Aggregate) Laboratories Testing Concrete and Concrete Aggregates | 06/07/2013 |
| C1077 (Concrete) Laboratories Testing Concrete and Concrete Aggregates | 06/07/2013 |
| D3666 (Aggregate) Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials | 10/01/2018 |
| D3740 (Soil) Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction | 06/07/2013 |
| E329 (Aggregate) Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction | 03/16/2016 |
| E329 (Concrete) Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction | 06/07/2013 |
| E329 (Soil) Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction | 08/22/2016 |



SCOPE OF AASHTO ACCREDITATION FOR:

Professional Service Industries, Inc. - an Intertek Group plc company
in Jefferson, Louisiana, USA

Soil

| Standard: | Accredited Since: |
|---|--------------------------|
| D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test | 04/22/2003 |
| D422 Particle Size Analysis of Soils by Hydrometer | 04/22/2003 |
| D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop | 04/22/2003 |
| D854 Specific Gravity of Soils | 10/01/2018 |
| D1140 Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve | 04/22/2003 |
| D1556 Density of Soil In-Place by the Sand Cone Method | 04/22/2003 |
| D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop | 04/22/2003 |
| D2166 Unconfined Compressive Strength of Cohesive Soil | 04/22/2003 |
| D2216 Laboratory Determination of Moisture Content of Soils | 04/22/2003 |
| D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading | 04/22/2003 |
| D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System) | 04/22/2003 |
| D2488 Description and Identification of Soils (Visual-Manual Procedure) | 04/22/2003 |
| D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression | 04/22/2003 |
| D2974 Determination of Organic Content in Soils by Loss on Ignition | 04/22/2003 |
| D4253 Maximum Index Density and Unit Weight of Soils Using a Vibratory Table | 05/24/2021 |
| D4254 Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density | 05/24/2021 |
| D4318 Determining the Liquid Limit of Soils (Atterberg Limits) | 04/22/2003 |
| D4318 Plastic Limit of Soils (Atterberg Limits) | 04/22/2003 |
| D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating | 12/30/2014 |
| D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth) | 04/22/2003 |



SCOPE OF AASHTO ACCREDITATION FOR:

Professional Service Industries, Inc. - an Intertek Group plc company
in Jefferson, Louisiana, USA

Aggregate

| Standard: | Accredited Since: |
|--|--------------------------|
| R76 Reducing Samples of Aggregate to Testing Size | 04/22/2003 |
| R90 Sampling Aggregate | 03/16/2016 |
| T11 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing | 04/22/2003 |
| T19 Bulk Density ("Unit Weight") and Voids in Aggregate | 04/22/2003 |
| T21 Organic Impurities in Fine Aggregates for Concrete | 04/22/2003 |
| T27 Sieve Analysis of Fine and Coarse Aggregates | 04/22/2003 |
| T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate | 04/22/2003 |
| T85 Specific Gravity and Absorption of Coarse Aggregate | 04/22/2003 |
| T255 Total Moisture Content of Aggregate by Drying | 04/22/2003 |
| C29 Bulk Density ("Unit Weight") and Voids in Aggregate | 04/22/2003 |
| C40 Organic Impurities in Fine Aggregates for Concrete | 04/22/2003 |
| C117 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing | 04/22/2003 |
| C127 Specific Gravity and Absorption of Coarse Aggregate | 04/22/2003 |
| C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate | 04/22/2003 |
| C136 Sieve Analysis of Fine and Coarse Aggregates | 04/22/2003 |
| C566 Total Moisture Content of Aggregate by Drying | 04/22/2003 |
| C702 Reducing Samples of Aggregate to Testing Size | 04/22/2003 |
| D75 Sampling Aggregate | 03/16/2016 |



SCOPE OF AASHTO ACCREDITATION FOR:
Professional Service Industries, Inc. - an Intertek Group plc company
in Jefferson, Louisiana, USA

Sprayed Fire-Resistive Material

Standard:

Accredited Since:

E605 Thickness and Density of Sprayed Fire-Resistive Material(SFRM) Applied to Structural Members

12/30/2014

E736 Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members

12/30/2014



SCOPE OF AASHTO ACCREDITATION FOR:
 Professional Service Industries, Inc. - an Intertek Group plc company
 in Jefferson, Louisiana, USA

Concrete

| Standard: | | Accredited Since: |
|----------------------------|---|--------------------------|
| C31 | Making and Curing Concrete Test Specimens in the Field | 04/22/2003 |
| C39 | Compressive Strength of Cylindrical Concrete Specimens | 04/22/2003 |
| C78 | Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading) | 04/22/2003 |
| C138 | Density (Unit Weight), Yield, and Air Content of Concrete | 04/22/2003 |
| C143 | Slump of Hydraulic Cement Concrete | 04/22/2003 |
| C172 | Sampling Freshly Mixed Concrete | 04/22/2003 |
| C173 | Air Content of Freshly Mixed Concrete by the Volumetric Method | 04/22/2003 |
| C231 | Air Content of Freshly Mixed Concrete by the Pressure Method | 04/22/2003 |
| C511 | Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes | 09/24/2012 |
| C617 (7000 psi and below) | Capping Cylindrical Concrete Specimens | 09/24/2012 |
| C1064 | Temperature of Freshly Mixed Portland Cement Concrete | 04/22/2003 |
| C1231 (7000 psi and below) | Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders | 09/24/2012 |



SCOPE OF AASHTO ACCREDITATION FOR:

Professional Service Industries, Inc. - an Intertek Group plc company

in Jefferson, Louisiana, USA

Masonry

| Standard: | Accredited Since: |
|---|-------------------|
| C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes | 08/21/2015 |
| C780 (Annex 1) Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration | 01/06/2020 |
| C780 (Annex 6) Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength | 08/21/2015 |
| C1019 Sampling and Testing Grout | 08/21/2015 |

21. QA/QC Plan and/or Work Plan:

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.

Will be provided upon selection.

22. Sub-consultant information:

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

| Firm Name (as registered with Louisiana's Secretary of State) | Address | Point of Contact and email address | Phone Number |
|--|---|---|---------------------|
| Adaptive Management and Engineering, LLC | 11429 Pennywood Avenue Baton Rouge, LA 70809 | Venu Tammineni, P.E. venu@amesouth.com | 225-424-7869 |



23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.



ENVIRONMENTAL CONSULTING
GEOTECHNICAL ENGINEERING
CONSTRUCTION MATERIALS TESTING & INSPECTION
INDUSTRIAL HYGIENE SERVICES
BUILDING SCIENCE SOLUTIONS
PAVEMENT EVALUATION SERVICES
SPECIALTY ENGINEERING
& TESTING SERVICES



Devin M. Richardson

Professional Service Industries Inc., (PSI)

Business Development Manager

724 Central Avenue

Jefferson, LA 70121

504 733 9411

devin.richardson@intertek.com

www.intertek.com/building

TOTAL QUALITY. ASSURED.