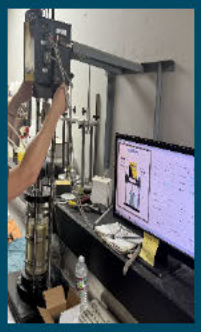
APS Engineering and Testing







Statement of Qualifications

IDIQ Geotechnical Services

Contract Nos.:

4400032793, 4400032794, 4400032795,4400032796, 4400032797, AND 4400032798

Louisiana Department of Transportation and Development

Submitted By:	**A P S Engineering and Testing, LLC**
Date:	**08/14/2025**
Prime Consultant License:	**5198**
Physical Address:	**1645 Nicholson Drive** **Baton Rouge, Louisiana**
Contact:	**Sergio Aviles, P.E. – President/Geotechnical Manager** **225-456-5714** **Sergio@aps-testing.com**

Local Expertise • Proven Performance • Innovative Solutions
| www.aps-testing.com |
(225) 456-5714

APS Engineering and Testing

August 14, 2025

Louisiana Department of Transportation and Development
Consultant Contracts Services Administrator
P.O. Box 94245
Baton Rouge, LA 70804-9245

ATTN: Kristy Smith, P.E.
Contract Manager

Subject: IDIQ Contracts for Geotechnical Services Statewide
Contract Nos. 4400032793, 4400032794, 4400032795, 4400032796, 4400032797, and 4400032798

Dear Mrs. Smith,

A P S Engineering and Testing, LLC is a Louisiana-based firm with more than two decades of geotechnical engineering and construction materials testing experience. We have a proven track record of delivering DOTD projects of similar scope and complexity.

Our team is fully prepared to support DOTD Geotechnical Section in:

• Geotechnical Exploration (GE): Drilling, sampling, and corresponding laboratory testing;

• Geotechnical Design (GD): Soil profiling, graphical logs, engineering analyses and recommendations, subsurface exploration reports;

• Geotechnical Construction Support (GC): QA/QC of materials and construction activities;

• Contract Management (CM): Clear, continuous communication with DOTD staff, proactive issue resolution, and coordination to ensure efficiency, quality, and compliance.

We meet or exceed all Minimum Personnel Requirements in the advertisement, including:

• A licensed Louisiana principal engineer with over 20 years in geotechnical engineering;

• Additional professional engineers with required civil/geotechnical expertise and PDA testing experience;

• An accredited geotechnical laboratory managed by a professional with over 5 years of relevant experience;

• A senior driller/supervisor with more than 10 years of experience in Louisiana.

Our portfolio includes major DOTD bridge replacements, interstate widening projects, and statewide geotechnical design task orders. Each reflects our commitment to innovation, state-of-the-art equipment, and rigorous quality control.

We value our relationship with DOTD and look forward to continuing to provide dependable, high-quality geotechnical services under these IDIQ contracts.

Respectfully submitted,
A P S Engineering and Testing, LLC

Sergio Aviles, P.E.
President

DOTD FORM: 24-102

(Revised December 12, 2024)

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.

1. Contract Name as shown in the advertisement	IDIQ CONTRACTS FOR GEOTECHNICAL SERVICES STATEWIDE
2. Contract Number(s) as shown in the advertisement	4400032793, 4400032794, 4400032795,4400032796, 4400032797, AND 4400032798
3. State Project Number(s), if shown in the advertisement	NONE
4. Prime consultant name **(name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)**	A P S Engineering and Testing, LLC
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.5198
6. Prime consultant mailing address	5261 Highland Rd #320, Baton Rouge, Louisiana 70808
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	1645 Nicholson Drive, Baton Rouge, Louisiana 70802
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Sergio Aviles, P.E. – Geotechnical Manager P.225-281-1917, Sergio@aps-testing.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Sergio Aviles, P.E. – Geotechnical Manager P.225-281-1917, Sergio@aps-testing.com

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

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. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	Signature above shall be the same person listed in Section 9:  Sergio Aviles Date:08/07/2025
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.	Firm(s): A P S Engineering and Testing, LLC Firm(s)' %: 100% as A P S Engineering and Testing, LLC is a certified DBE company by DOTD Louisiana Unified Certification Program (3% per advertisement).

12. Discipline Table:

As indicated in the advertisement, insert a completed table here. The percentages for the prime and sub-consultants must total 100% for each discipline, as well as the overall total percent of the contract.

The **only** disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic). **Remove rows as needed.**

Discipline(s)	% of Overall Contract	Prime	Firm B	Firm C	Firm D	Firm E	Each Discipline must total to 100%
Geotech	100	A P S Engineering and Testing, LLC					**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%**						

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 (must specify)" and include the classification title inside the parentheses.
The DOTD Job Classification(s) to be used can be found at the following link:
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	**Number of personnel committed to this contract**	Total number of personnel available in this DOTD Job Classification (if needed)
A P S Engineering and Testing, LLC	Engineer	3	3
A P S Engineering and Testing, LLC	Engineer Intern	2	2
A P S Engineering and Testing, LLC	Engineering-Aide	2	4
A P S Engineering and Testing, LLC	Driller	14	16
A P S Engineering and Testing, LLC	Technician	12	15
A P S Engineering and Testing, LLC	Clerical	2	2
A P S Engineering and Testing, LLC	Inspector - Certified	1	2
A P S Engineering and Testing, LLC	Senior Technician	3	8

(Add rows as needed)

14. <u>Organizational Chart</u>:

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.

14. Organizational Chart:

Organizational Chart of Key Personnel

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Principal-in-Charge
* **Sergio Aviles, P.E.**
President / Geotechnical Manager

Health & Safety
* Dhanunjay Chetput, M.S., E.I.

Geotechnical Investigation

Laboratory Investigation

* Sairam Eddanapudi, M.E., P.E.-QA
* Joseph Layton – Manager
* Amanda Linton – Manager

Field Investigation

* Van George – Head Driller

Geotechnical Engineering Analyses and Design

Geotechnical Engineering

* Sairam Eddanapudi, M.E., P.E.
* Surendra Pathak, M.S., P.E.
* Dhanunjay Chetput, M.S., E.I.
* Anita Pant, Ph.D
* Wei Yin, Ph.D

Construction Monitoring / Instrumentation

* Surendra Pathak, M.S., P.E.

Traffic Control

*TCT – Traffic Control Technician
*TCS – Traffic Control Supervisor
*In-Progress TCT

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. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that 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 and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Sergio Aviles, P.E.	A P S Engineering and Testing, LLC	PE.0033571-Civil	LA	03/31/2026
2	Sergio Aviles, P.E.	A P S Engineering and Testing, LLC	PE.0033571-Civil	LA	03/31/2026
3,4, &6	Sergio Aviles, P.E.	A P S Engineering and Testing, LLC	PE.0033571-Civil	LA	03/31/2026
2,3,4, &6	Sairam (Sai) Eddanapudi, M.E., P.E.	A P S Engineering and Testing, LLC	PE.0035129-Civil	LA	03/31/2026
5	Surendra Pathak, M.S., P.E.	A P S Engineering and Testing, LLC	PE.0043487-Civil	LA	09/30/2025
6	Amanda Linton	A P S Engineering and Testing, LLC	AASHTO APPROVED ASTM EXAMS	LA	12/19/2026
6	Joseph Layton	A P S Engineering and Testing, LLC	NICET III		07/01/2026
7	Van George	A P S Engineering and Testing, LLC	N/A	N/A	N/A

(Add rows as needed)

16. <u>Staff Experience:</u>

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés are **limited to 2 pages per person**. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by:	A P S Engineering and Testing, LLC			
Name	Sergio Aviles, P.E., M. ASCE		Years of relevant experience with this employer	14
Title	President/Geotechnical Manager		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			BS Civil Engineering/2001/Geotechnical	
Active registration number / state / expiration date			P.E.0033571/ LA / 03-31-2026, ATSSA Work Zone Traffic Control Technician, Flagger, Water Well Contractor's License	
Year registered	2007	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Geotechnical Manager/Designer/Field Crew and Lab Management	

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 years of experience specified in the applicable MPR(s).
24 years of experience *05/01-Present*	***Mr. Sergio Aviles, P.E.*** *is the* ***President and Geotechnical Manager*** *of A P S Engineering and Testing, LLC, and* ***meets the DOTD Minimum Personnel Requirements Nos. 1, 2, 3, 4 and 6****. Mr. Aviles has extensive expertise in* ***slope stability analysis, embankment settlement calculations, mechanically stabilized earthen (MSE) wall design, pile design, sheet pile design, pile integrity testing, and Pile Dynamic Analyzer (PDA)****. Since founding A P S fourteen years ago, Mr. Aviles has led geotechnical engineering, laboratory testing and materials testing projects statewide for both government agencies and private clients. His professional portfolio includes the* ***design and construction supervision of complex infrastructure projects*** *throughout Louisiana, ensuring technical accuracy, adherence to DOTD specifications, and the highest standards of quality control.*
09/19–Ongoing	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The **Geotechnical Investigation** comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Shelby tube sampling, Standard Penetration Testing (SPT), and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with **ASTM** standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. Mr. Aviles serve as Geotechnical Manager, providing technical oversight across all phases—from field exploration and lab testing to analysis and reporting. His leadership ensured conformance with DOTD specifications, QA/QC protocols, and schedule adherence.
06/20–04/23	**Rural Bridge Replacement Initiative Phase I:** The scope included geotechnical investigation and design for the replacement of 60 bridge structures along the LA state highway system. **Geotechnical Investigation** consisted of drilling, laboratory testing, soil classification, and site characterization. Engineering analysis included slope stability analysis (when applicable) and pile capacity analysis for foundations to support the new bridge structures. Mr. Aviles served as Geotechnical Manager for the Geotechnical Investigations and Design Team, overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.
03/19–05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected as part of the winning team for the **Geotechnical Investigation** and Design of the proposed new bridge. The scope of work included the drilling and testing of 19 deep borings to support bridge foundation design recommendations. In addition to deep foundation investigations, A P S performed site-

	specific testing of subsurface soils, base materials, and concrete placement zones to evaluate compliance with structural and geotechnical performance criteria. Laboratory testing supported classification, strength, and constructability assessments for proposed bridge elements. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. Mr. Aviles served as Geotechnical Manager for the investigation and design team. He provided direct oversight of field operations, laboratory analysis, and engineering deliverables, ensuring technical accuracy, and timely completion across all phases of the project. overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.
01/22–05/24	**Project No. H.001352.6 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:** A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the **Geotechnical Investigation** and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. A P S performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Mr. Aviles served as Geotechnical Manager for the Geotechnical Investigations and Design Team, overseeing all phases of exploration, analysis, and reporting.
09/21–05/24	**Port Hudson-Pride Road (LA-964 – LA-19)-** The scope included **Geotechnical Investigation** to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Mr. Aviles served as Geotechnical Manager for the investigation and Design Team, overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.
11/19–12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85**- A P S was selected as part of the winning team for the **Geotechnical Investigation** and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. Mr. Aviles served as Geotechnical Manager for the Geotechnical Investigations and Design Team, overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.
03/21–11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.)-** The scope included a comprehensive geotechnical investigation to support foundation recommendations for proposed pavement rehabilitation and new bridge construction. A total of 32 borings were drilled and tested to characterize subsurface conditions and develop geotechnical design parameters for the City of Baton Rouge. Mr. Aviles served as Geotechnical Manager for the Geotechnical Investigations and Design Team, providing hands-on leadership and technical oversight throughout all phases of the project to ensure accuracy, quality, and timely delivery.
03/15–04/15	**Holly Drive Bridge Replacement- St. Tammany Parish:** The scope included **Geotechnical Investigation** for the replacement of a bridge structure in Covington, Louisiana. A P S performed piles vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Mr. Aviles served as Geotechnical Manager for the Geotechnical Investigations and Design Team, overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.

(Add rows as needed)

Firm employed by:	A P S Engineering and Testing, LLC		
Name	Sairam Eddanapudi, P.E., M.E.	Years of relevant experience with this employer	14
Title	Chief Geotechnical Engineer	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		ME/2002/Civil Engineering, BE/1999/Civil Engineering,	
Active registration number / state / expiration date		P.E.0035129/ LA / 03-31-2026 ATSSA Work Zone Traffic Control Technician, Flagger	
Year registered	2009	Discipline	Civil
Contract role(s) / brief description of responsibilities		Chief Geotechnical Engineer/Design Engineer/Laboratory QA Manager	

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 years of experience specified in the applicable MPR(s).
23 years of Experience *05/02-Present*	***Mr. Sairam (Sai) Eddanapudi, P.E.*** *serves as* ***Chief Engineer*** *at A P S Engineering and Testing, LLC, and meets the* ***DOTD Minimum Personnel Requirement Nos. 2,3,4 and 6****. Mr. Eddanapudi brings* ***23 years of experience*** *in geotechnical and civil engineering, with specialized expertise in advanced geotechnical laboratory testing, quality control, and personnel training. Mr. Eddanapudi earned his* ***Master of Science in Civil Engineering*** *from Lamar University and a* ***Bachelor of Technology in Civil Engineering*** *from India (1999). At A P S, Mr. Eddanapudi does the Quality Assurance by* ***overseeing all geotechnical laboratory operations****, ensuring testing accuracy and compliance with DOTD, ASTM, and AASHTO standards. His responsibilities include* ***training laboratory personnel****, managing* ***Geosystems data integration****, and overseeing* ***calibration and maintenance of laboratory testing equipment*** *to guarantee reliable results. His professional design experience includes* ***roadways, bridges, levees, and T-walls****, as well as both* ***shallow and deep foundations****. His field expertise covers* ***quality control inspections*** *for auger cast piles, drilled shafts, soil, and concrete. Mr. Eddanapudi is proficient in a wide range of engineering software, including* ***Slope/W (2004, 2007, and 2024 versions)*** *for slope stability analysis,* ***Seep/W*** *for seepage analysis,* ***DRIVEN 1.4*** *for driven pile analysis,* ***MicroStation V8****,* ***CWALSHT*** *and* ***FS004*** *for Slope stability, Swell Potential analysis for expansive soils, drilled shaft design software, auger cast pile analysis,* ***AASHTO pavement design****, slope analysis, and differential settlement evaluation. Mr. Eddanapudi's combination of technical expertise, leadership in laboratory operations, and commitment to quality ensures that A P S delivers accurate, dependable, and timely geotechnical data to support DOTD project success.*
09/19–Ongoing	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The **Geotechnical Investigation** comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Shelby tube sampling, Standard Penetration Testing (SPT), and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with **ASTM** standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. Mr. Eddanapudi serves as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data. His leadership ensured conformance with DOT specifications, QA/QC protocols, and schedule adherence.

06/20–04/23	**Rural Bridge Replacement Initiative Phase I:** The scope included geotechnical investigation and design for the replacement of 60 bridge structures along the LA state highway system. **Geotechnical Investigation** consisted of drilling, laboratory testing, soil classification, and site characterization. Engineering analysis included slope stability analysis (when applicable) and pile capacity analysis for foundations to support the new bridge structures. Mr. Eddanapudi served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.
03/19–05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected with the winning team for the **Geotechnical Investigation** and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for foundation recommendations. The scope also includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed structures. Mr. Eddanapudi served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.
01/22–05/24	**Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge**: A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the **Geotechnical Investigation** and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. A P S performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Mr. Eddanapudi served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.
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11/19–12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85**- A P S was selected with the winning team for the **Geotechnical Investigation** and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. Mr. Eddanapudi served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.
03/15–04/15	**Holly Drive Bridge Replacement- St. Tammany Parish:** The scope included **Geotechnical Investigation** for the replacement of a bridge structure in Covington, Louisiana. A P S performed piles vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Mr. Eddanapudi served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.

Firm employed by:	A P S Engineering and Testing, LLC		
Name	Surendra Pathak, P.E., M.S.	Years of relevant experience with this employer	11
Title	Senior Supervisor Engineer	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		MSCE/ 2013/ Civil Engineering BE/ 1998/ Civil Engineering	
Active registration number / state / expiration date		P.E.0043487/ LA/ 09-03-2025 ACI Certified Technician Pile Dynamic Analyzer Proficient Rank ATSSA Work Zone Traffic Control Supervisor, Flagger,	
Year registered	2019	Discipline	Civil
Contract role(s) / brief description of responsibilities		Senior Supervisor Engineer/Design Engineer/QA-QC Field Testing, PDA testing leader.	

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 years of experience specified in the applicable MPR(s).
21 years of experience *08/04-Present*	***Mr. Surendra Pathak** serves as **Senior Supervisor Engineer** at A P S Engineering and Testing, LLC, and meets the **DOTD Minimum Personnel Requirement Nos. 2 and 5**. Mr. Pathak brings **21 years of experience** in geotechnical engineering, with specialized expertise in **Pile Driving Analyzer (PDA) testing** and field quality control. Mr. Pathak holds a **Master of Science in Civil Engineering** from **Mississippi State University (2013)**, a second **M.S. in Civil Engineering** from the **Norwegian University of Science and Technology (2007)**, and a **Bachelor of Engineering in Civil Engineering** from **Madan Mohan Malaviya University of Technology, India (1998)**. His technical experience spans the **geotechnical design of roadways, bridges, levees, and T-walls**, as well as the design and analysis of **shallow and deep foundation systems**. In the field, Mr. Pathak has directed and performed **quality control inspections** for auger cast piles, drilled shafts, soil, and concrete testing, and **Pile Driving Analyzer (PDA) testing operations for driven pile testing**, including data collection, real-time analysis, and coordination with project engineers to establish pile driving criteria. As a senior field leader at A P S, Mr. Pathak ensures that **all foundation testing and construction activities meet DOTD specifications**, applying both his technical expertise and on-site leadership to support successful project delivery.*
09/19–Ongoing	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Standard Penetration Testing (SPT), Shelby tube sampling, and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. Mr. Pathak serves as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.

06/20–04/23	**Rural Bridge Replacement Initiative Phase I:** The scope included geotechnical investigation and design for the replacement of 60 bridge structures along the LA state highway system. **Geotechnical Investigation** consisted of drilling, laboratory testing, soil classification, and site characterization. Engineering analysis included slope stability analysis (when applicable) and pile capacity analysis for foundations to support the new bridge structures. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise.
03/19–05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected as part of the winning team for the **Geotechnical Investigation** and Design of the proposed new bridge. The scope of work included the drilling and testing of 19 deep borings to support bridge foundation design recommendations. In addition to deep foundation investigations, A P S performed site-specific testing of subsurface soils, base materials, and concrete placement zones to evaluate compliance with structural and geotechnical performance criteria. Laboratory testing supported classification, strength, and constructability assessments for proposed bridge elements. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.
01/22–05/24	**Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge**: A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the **Geotechnical Investigation** and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. A P S performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.
09/21–05/24	**Port Hudson-Pride Road (LA-964 – LA-19)-** The scope included **Geotechnical Investigation** to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.
11/19–12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85**- A P S was selected as part of the winning team for the **Geotechnical Investigation** and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise.
03/15–04/15	**Holly Drive Bridge Replacement- St. Tammany Parish:** The scope included **Geotechnical Investigation** for the replacement of a bridge structure in Covington, Louisiana. A P S performed piles vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.

Firm employed by:	A P S Engineering and Testing, LLC		
Name	Anita Pant, Ph.D.	Years of relevant experience with this employer	5
Title	Environmental Professional/Data Analysis	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization	Ph. D/2020/Evolutionary Biology MS/2007/Environmental		
Active registration number / state / expiration date	Flagger		
Year registered N/A Discipline	N/A		
Contract role(s) / brief description of responsibilities	Data Analysis Scientist -Review field logs, lab data analysis, gINT CADD, Environmental		

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 years of experience specified in the applicable MPR(s).
17 years of experience 08/06-Present	***Dr. Anita Pant*** *serves as a* ***Data Analysis Scientist*** *at A P S Engineering and Testing, LLC, bringing over* ***17 years of experience*** *in soil and water quality assessment and* ***more than 5 years of specialized expertise*** *in geotechnical data analysis for infrastructure, marsh creation, and coastal restoration projects. She holds a* ***Ph.D. in Environmental and Evolutionary Biology*** *from the University of Louisiana at Lafayette (2020), as well as a* ***Master of Science (2010)*** *and* ***Bachelor of Science (2007)*** *in Environmental Science from Tribhuvan University, Nepal. At A P S, Dr. Pant plays an integral role in the* ***geotechnical design team****, leading the analysis and reduction of laboratory data. Her deep understanding of soil behavior, combined with advanced analytical modeling, directly supports our engineers in the development of accurate and reliable geotechnical recommendations.*
09/19–Ongoing	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Standard Penetration Testing (SPT), Shelby tube sampling, and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. Dr. Pant is responsible for managing, analyzing, and optimizing A P S's geotechnical data in the gINT soil database to support accurate reporting and design decisions.
03/19–05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected as part of the winning team for the **Geotechnical Investigation** and Design of the proposed new bridge. The scope of work included the drilling and testing of 19 deep borings to support bridge foundation design recommendations. In addition to deep foundation investigations, A P S performed site-specific testing of subsurface soils, base materials, and concrete placement zones to evaluate compliance with structural and geotechnical performance criteria. Laboratory testing supported classification, strength, and constructability assessments for proposed bridge elements. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. Dr. Pant was responsible for managing, analyzing, and optimizing A P S's geotechnical data in the gINT soil database to support accurate reporting and design decisions.
11/19–12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85-** A P S was selected as part of the winning team for the **Geotechnical Investigation** and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for

	Geotechnical recommendations. Dr. Pant was responsible for managing, analyzing, and optimizing A P S's geotechnical data in the gINT soil database to support accurate reporting and design decisions.
03/21–11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.)-** The scope included a comprehensive **Geotechnical Investigation** to support foundation recommendations for proposed pavement rehabilitation and new bridge construction. A total of 32 borings were drilled and tested to characterize subsurface conditions and develop geotechnical design parameters for the City of Baton Rouge. Dr. Pant was responsible for managing, analyzing, and optimizing A P S's geotechnical data in the gINT soil database to support accurate reporting and design decisions.

Firm employed by:	A P S Engineering and Testing, LLC			
Name	Dhanunjay "Djay" Chetput, E.I.		Years of relevant experience with this employer	2
Title	Staff Geotechnical Engineer		Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization		M.E./2001/Engineering		
Active registration number / state / expiration date		E.I. No. 30676/ Texas/ 12-27-2030 ATSSA Work Zone Traffic Control Technician, Flagger		
Year registered	2001	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Staff Geotechnical Engineer-Design Engineer		

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 years of experience specified in the applicable MPR(s).
19 years of experience 02/08-Present	***Mr. Dhanunjay Chetput*** *serves as a* ***Staff Geotechnical Engineer*** *at A P S Engineering and Testing, LLC, bringing* ***19 years of experience*** *in geotechnical engineering and a diverse background that spans both U.S. and international projects.* ***Mr. Dhanunjay Chetput*** *holds a* ***Master of Science in Engineering*** *from* ***Lamar University (2001)*** *and a* ***Bachelor's in Civil Engineering*** *from* ***Sri Venkateswara University, India (1999)****. Mr. Chetput is also a* ***Certified Project Management Professional (PMP)****,* ***Certified Scrum Master (CSM)****,* ***Certified Associate Safety Professional (BCSP)****. His technical expertise includes the* ***design of pavements, deep foundations, and levee systems****, as well as* ***pile testing and geotechnical quality control inspections****. Mr. Dhanunjay Chetput is proficient in* ***Pile Driving Analyzer (PDA) operations*** *for driven pile analysis, soil testing, and construction Quality Control. Internationally, Mr. Chetput has managed high-profile foundation projects, including the* ***Dubai Creek Tower****—planned as the world's tallest structure—and several other iconic infrastructure developments in the UAE. His global project portfolio also includes the rehabilitation of corroded foundations for chemical plants, sheet pile driving, and deep excavations. At A P S, Mr. Chetput combines his* ***broad technical knowledge, project management skills, and safety leadership*** *to ensure efficient, compliant, and high-quality project execution for DOTD.*
09/19–Present	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Standard Penetration Testing (SPT), Shelby tube sampling, and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. Mr. Chetput serves as the Staff Geotechnical Engineer on the Project Design Team, contributing to geotechnical analysis, design, and project deliverables, specializing in Pile Dynamic Analyzer (PDA) field data acquisition, monitoring, and quality control to support foundation performance evaluations.
03/19–05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected as part of the winning team for the **Geotechnical Investigation** and Design of the proposed new bridge. The scope of work included the drilling and testing of 19 deep borings to support bridge foundation design recommendations. In addition to deep foundation investigations, A P S performed site-specific testing of subsurface soils, base materials, and concrete placement zones to evaluate compliance with structural and

	geotechnical performance criteria. Laboratory testing supported classification, strength, and constructability assessments for proposed bridge elements. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. Mr. Chetput served as the Staff Geotechnical Engineer on the Project Design Team, contributing to geotechnical analysis, design, and project deliverables, specializing in Pile Dynamic Analyzer (PDA) field data acquisition, monitoring, and quality control to support foundation performance evaluations.
11/19–12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85-** A P S was selected as part of the winning team for the **Geotechnical Investigation** and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. Mr. Chetput served as the Staff Geotechnical Engineer on the Project Design Team, contributing to geotechnical analysis, design, and project deliverables.

Firm employed by:	A P S Engineering and Testing, LLC		
Name	Dr. Wei Yin.	Years of relevant experience with this employer	2
Title	Staff Geotechnical Engineer	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		Ph.D./2019/Transportation Engineering	
Active registration number / state / expiration date		E.I. No. (waiting on number)/ Louisiana / 08-31-26 Flagger	
Year registered	2025	Discipline	Civil
Contract role(s) / brief description of responsibilities		Staff Geotechnical Engineer/Design Engineer	

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 years of experience specified in the applicable MPR(s).
12 years of experience *02/13-Present*	***Dr. Wei Yin** serves as a **Staff Geotechnical Engineer** at A P S Engineering and Testing, LLC, bringing a strong academic foundation and **over five years of practical experience in geotechnical engineering**. She earned her **Ph.D. in Transportation Engineering from Tongji University (2019), a Master of Engineering in Highway and Railway Engineering from Tongji University (2013),** and a Bachelor of Engineering in Civil Engineering from Harbin Institute of Technology (2007). Dr. Yin's technical expertise includes the **design of roadways, deep foundations, and pavement systems, with a focus on integrating research-based innovations into practical engineering solutions**. She has served as a **Research Scholar with both the Louisiana Transportation Research Center (LTRC) and the University of Tennessee, Knoxville, where she conducted advanced research on asphalt and concrete pavement performance, materials evaluation, and long-term durability**. Her recent success in **passing the Fundamentals of Engineering (FE) exam on August 7, 2025, positions her for Engineer Intern (E.I.) certification and eventual Professional Engineer licensure**. At A P S, Dr. Yin applies her combination of research expertise, analytical skills, and design experience to deliver accurate, data-driven geotechnical recommendations for DOTD projects.*
09/19–Ongoing	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Standard Penetration Testing (SPT), Shelby tube sampling, and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. Dr. Wei Yin serves as Staff Geotechnical Engineer on the Project Design Team, contributing to geotechnical analysis, design, and project deliverables.
03/19–05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected as part of the winning team for the **Geotechnical Investigation** and Design of the proposed new bridge. The scope of work included the drilling and testing of 19 deep borings to support bridge foundation design recommendations. In addition to deep foundation investigations, A P S performed site-specific testing of subsurface soils, base materials, and concrete placement zones to evaluate compliance with structural and

	geotechnical performance criteria. Laboratory testing supported classification, strength, and constructability assessments for proposed bridge elements. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. Dr. Wei Yin served as Staff Geotechnical Engineer on the Project Design Team, contributing to geotechnical analysis, design, and project deliverables.
09/21–05/24	**Port Hudson-Pride Road (LA-964 – LA-19)-** The scope included **Geotechnical Investigation** to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Dr. Wei Yin served as Staff Geotechnical Engineer on the Project Design Team, contributing to geotechnical analysis, design, and project deliverables.

Firm employed by:	A P S Engineering and Testing, LLC		
Name	Joseph Layton	Years of relevant experience with this employer	6
Title	Inspector-Certified- Construction Materials Testing (CMT) Manager, Laboratory Manager	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	N/A		
Active registration number / state / expiration date	Embankment and Base Inspector / 11-01-2028 NICET III / 07-01-2026 Nuclear Gauge Safety Certification / 09-23-2027 ACI Certified Technician / 09-23-2027 Traffic Control Technician, Flagger / 01-24-2027		
Year registered: N/A	Discipline: N/A		
Contract role(s) / brief description of responsibilities	Inspector-Certified- Construction Materials Testing (CMT) Manager, Laboratory Manager Responsible for overseeing and coordinating all testing activities during the laboratory and construction phase of each project, ensuring that procedures are conducted in strict accordance with applicable **ASTM, AASHTO**, and project specifications.		

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 years of experience specified in the applicable MPR(s).
Nine (9) years of experience *10/16-Present*	***Mr. Joseph Layton** serves as the **Construction Materials Testing (CMT) Manager** in A P S Engineering and Testing, LLC's Baton Rouge office and meets the **DOTD Minimum Personnel Requirement No. 6**. Mr. Layton brings **nine years of hands-on experience** in both field and laboratory construction materials testing, with a proven track record of delivering accurate, compliant, and timely results for DOTD and other infrastructure projects. Mr. Layton's expertise spans **pile monitoring (including pile logging and vibration monitoring)**, **drilled shaft construction inspection**, and **geotechnical instrumentation installation and monitoring**. Mr. Layton is responsible for **training and supervising all field technicians** in proper instrumentation reading, data collection, and monitoring procedures, ensuring consistent quality control across all projects. Mr. Layton has extensive experience **conducting field and laboratory testing for soil, concrete, and other construction materials**, interpreting and verifying large-scale project specification packages, and ensuring all testing is performed in strict compliance with DOTD, ASTM, and AASHTO standards. Mr. Layton is proficient in laboratory testing for LADOTD projects and **submits results through the LADOTD Materials Testing online database (LIMS)** in accordance with required procedures. As CMT Manager, Mr. Layton holds **responsible charge** over all aspects of **CMT Laboratory certification maintenance**, covering a broad range of test methods under **AASHTO, CCRL, USACE, and LDEQ** accreditation programs. Through his deep technical expertise, leadership in quality control, and unwavering commitment to DOTD standards, Mr. Layton ensures that A P S delivers **reliable, defensible, and high-quality construction materials testing services** on every project.*
11/20 – 05/25	**Project No. H.013897: College Drive Flyover**- The scope includes **conducting testing on the subsurface, base and concrete** placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. As Senior

	Supervisory Technician, Mr. Layton directed construction materials testing and geotechnical laboratory activities, ensuring strict adherence to **AASHTO** standards, maintaining quality control, and delivering dependable results to support project design and construction.
01/22 – 10/24	**H.001352.6 and H.002273.5 Comite River Diversion at LA67 and LA964**- The scope includes **providing construction inspection services** as requested including **maintaining construction field records**, making daily entries to indicate personnel present on the job site, equipment being utilized on the project, the work being accepted, the acceptability of equipment being utilized on the project, the work being accepted, the acceptability of traffic control and the charging of contract time. As Senior Supervisory Technician, Mr. Layton directed construction materials testing ensuring strict adherence to **AASHTO** standards, maintaining quality control, and delivering dependable results to support project construction.
11/19 – 08/25	**Project No. H.008145.8: LA 1 Golden Meadow to Leeville-** The purpose was to **conduct testing on the subsurface, base course, and concrete placement** at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. As Senior Supervisory Technician, Mr. Layton directed construction materials testing activities, ensuring strict adherence to **AASHTO** standards, maintaining quality control, and delivering dependable results to support project construction.
01/23 – 02/25	**Project No. 011098.6: LA 30 South Blvd. to W. Chimes St**.- The purpose was to **conducted testing on the subsurface, base course, and concrete placement** at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. As Senior Supervisory Technician, Mr. Layton directed construction materials testing activities, ensuring strict adherence to **AASHTO** standards, maintaining quality control, and delivering dependable results to support project construction.
05/18 – 01/20	**Project No. H.009250: I-10- Highland to LA 73-**The purpose was to **conduct testing on the subsurface, base course, and concrete placement** at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. As Senior Supervisory Technician, Mr. Layton directed construction materials testing activities, ensuring strict adherence to **AASHTO** standards, maintaining quality control, and delivering dependable results to support project construction.
01/19 – 11/20	**Project No. 2012-FEMA-1B-1-Westend Group**- The purpose was to **conduct testing on the subsurface, base course, and concrete placement** at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. As Senior Supervisory Technician, Mr. Layton directed construction materials testing activities, ensuring strict adherence to **AASHTO** standards, maintaining quality control, and delivering dependable results to support project construction.
04/19 – 06/20	**Project No. H.011795: Westwood Drive (WB Expressway to Lapalco)-** The purpose was to **conduct testing on the subsurface, base course, and concrete placement** at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. As Senior Supervisory Technician, Mr. Layton directed construction materials testing activities, ensuring strict adherence to **AASHTO** standards, maintaining quality control, and delivering dependable results to support project construction.

Firm employed by:	A P S Engineering and Testing, LLC			
Name	Amanda Linton		Years of relevant experience with this employer	6
Title	Laboratory Manager		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS/2016/Biology		
Active registration number / state / expiration date		NICET III Equivalent ASTM approved Exams Certified by AASHTO /11-20-2026		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Laboratory Manager – Responsible for overseeing and coordinating all testing activities during the laboratory phase of each project, ensuring that procedures are conducted in strict accordance with applicable **ASTM, AASHTO**, and project specifications.		

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 years of experience specified in the applicable MPR(s).
Eight (8) years of experience *10/17-Present*	***Ms. Linton** serves as the **Laboratory Manager** for A P S Engineering and Testing, LLC's **AASHTO, LDEQ, and USACE-accredited** Baton Rouge laboratory, operating under the direction of a Registered Professional Engineer and meets the **DOTD Minimum Personnel Requirement No. 6**. With an exceptional depth of practical knowledge and leadership in geotechnical laboratory operations, Ms. Linton oversees **all day-to-day laboratory functions**, ensuring every test meets or exceeds strict **DOTD, ASTM, AASHTO, and USACE** quality standards. In her role, Ms. Linton **supervises and manages a team of five full-time laboratory technicians**, each holding **NICET III Equivalent ASTM–Approved Exams Certification by AASHTO**. Ms. Linton is directly responsible for **training, mentoring, and developing laboratory personnel**, cultivating a highly skilled and quality-driven testing team. Her expertise extends to **organizing, scheduling, and prioritizing complex testing programs** to meet demanding project timelines without compromising accuracy or compliance. Ms. Linton has extensive experience performing and overseeing the full range of **soil mechanics laboratory testing**, including **Soil Classification, Atterberg Limits, Grain Size Analysis, Hydrometer, Consolidation Testing, Organic Matter Content, Moisture Content, Permeability Testing, pH, Resistivity** and advanced strength testing methods such as **Unconfined Compression (UC), Unconsolidated–Undrained Triaxial (UU), Direct Shear (DS), Consolidated–Undrained Triaxial (CU),** and **Consolidated–Drained Triaxial (CD)**. Ms. Linton meticulous approach to **quality control, documentation, and adherence to standardized protocols** has been instrumental in maintaining A P S's impeccable laboratory accreditation record. Known for her ability to troubleshoot technical challenges, implement process improvements, and uphold rigorous testing integrity, Ms. Linton is widely regarded within A P S as an **indispensable leader in delivering accurate, defensible geotechnical data** to support DOTD projects.*
09/19-Ongoing	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The **Geotechnical Investigation** comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Shelby tube sampling, Standard Penetration Testing (SPT), and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with **ASTM** standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation

	recommendations. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to **AASHTO** standards, maintaining quality control, and delivering reliable data to support engineering design.
09/21–05/24	**Port Hudson-Pride Road (LA-964 – LA-19)-** The scope included **Geotechnical Investigation** to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to **AASHTO** standards, maintaining quality control, and delivering reliable data to support engineering design.
01/22–05/24	**Project No. H.001352.6 and H.002273.5:** Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge: A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the **Geotechnical Investigation** and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. A P S performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to **AASHTO** standards, maintaining quality control, and delivering reliable data to support engineering design.
11/19–12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85-** A P S was selected with the winning team for the **Geotechnical Investigation** and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. All laboratory testing was performed at our accredited Laboratory. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to **AASHTO** standards, maintaining quality control, and delivering reliable data to support engineering design.
03/19-05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS: -**A P S was selected with the winning team for the **Geotechnical Investigation** and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. A P S performed all the laboratory testing per **ASTM** standards to facilitate the geotechnical design. Soil classification tests such as, natural moisture contents, Unconsolidated Undrained, liquid and plastic limits, unit weight, grain-size analyses, consolidations, and specific gravity were performed. All laboratory testing was performed at our accredited Laboratory. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to **AASHTO** standards, maintaining quality control, and delivering reliable data to support engineering design.

Firm employed by	A P S Engineering and Testing, LLC		
Name	Van George	Years of relevant experience with this employer	10
Title	Senior Driller	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		High School	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Senior Driller-Drilling Operation Supervisor	

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 years of experience specified in the applicable MPR(s).
21 years of experience *01/04-Present*	***Mr. Van George** serves as **Lead Driller** for A P S Engineering and Testing, LLC and meets the **DOTD Minimum Personnel Requirement No. 7**. With **over 20 years of experience** in geotechnical field exploration, Mr. George helps to oversees and manages A P S's drilling operations throughout Louisiana, ensuring that all field investigations are conducted in strict compliance with DOTD specifications and **state laws**. Mr. George has extensive expertise in a wide range of drilling and sampling techniques, including **Shelby Tube sampling**, **Split Spoon sampling**, **Electronic Cone Penetrometer Testing (CPT)**, and **mud rotary drilling** for deep and shallow subsurface investigations. He is proficient in the **use of piston samplers** for soft cohesive soils to recover high-quality undisturbed samples, and **pitcher samplers** for hard cohesive soils. His CPT experience includes conducting **dissipation testing** to evaluate pore water pressure dissipation and soil consolidation characteristics. In compliance with **Louisiana state grouting requirements**, Mr. George ensures proper backfilling and grouting of all boreholes to protect groundwater resources and maintain environmental compliance. He also maintains and manages A P S's drilling fleet, overseeing **rig maintenance, repairs, and equipment readiness** to ensure safe and efficient operation. Mr. George prepares **complete and accurate field logs** and **daily activity reports** for every project, documenting drilling methods, soil classifications, sample recovery, and site conditions. He coordinates closely with project managers and geotechnical engineers to align field activities with project schedules and technical requirements. Recognized for his ability to troubleshoot difficult site conditions, adapt drilling methods to variable geologies, and lead crews safely and productively, Mr. George plays an essential role in delivering **high-quality, reliable subsurface data** that forms the foundation for A P S's geotechnical engineering recommendations.*
09/19-05/25	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The **Geotechnical Investigation** comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Shelby tube sampling, Standard Penetration Testing (SPT), and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with **ASTM** standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. As Head Driller for the Geotechnical Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.

03/19-05/19	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected as part of the winning team for the **Geotechnical Investigation** and Design of the proposed new bridge. The scope of work included the drilling and testing of 19 deep borings to support bridge foundation design recommendations. In addition to deep foundation investigations, A P S performed site-specific testing of subsurface soils, base materials, and concrete placement zones to evaluate compliance with structural and geotechnical performance criteria. Laboratory testing supported classification, strength, and constructability assessments for proposed bridge elements. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. As Head Driller for the Geotechnical Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.
11/17-2/18	**Project No. H.013193: US 61 Thompson Creek Bridge Replacement-** A P S was tasked thru our DOTD geotechnical retainer for the **Geotechnical Investigation** to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. A P S performed all the laboratory testing per ASTM standards to facilitate the geotechnical design. Soil classification tests such as, natural moisture contents, Unconsolidated Undrained, liquid and plastic limits, unit weight, grain-size analyses, consolidations, and specific gravity were performed. All laboratory testing was performed at our accredited Laboratory. As Head Driller for the Geotechnical Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.
07/14-08/14	**Project No. 700-51-0110 US 90 elevated portion for the future I-49 corridor:** A P S performed all the preliminary **Geotechnical Investigation**, drilling, testing, and CPT for US 90 and Highway 318 Intersection. A total of 46 borings and 11 CPTs were drilled. A P S performed all the laboratory testing per ASTM standards to facilitate the geotechnical design. Soil classification tests such as, natural moisture contents, Unconsolidated Undrained, liquid and plastic limits, unit weight, grain-size analyses, consolidations, and specific gravity were performed. All laboratory testing was performed at our accredited Laboratory. As Head Driller for the Geotechnical Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.
01/04-05/12	**Private Jobs:** Drilling for warehouses, chemical plants, and private land development projects. **Project No. N/A: Levees (Kenner)** – New Orleans, LA: Drill and sample with 5" Shelby tubes, 80' to 100' holes. **Project No. N/A: New Orleans East Levee** – New Orleans, LA: Drill and sample with 5" Shelby tubes, 80'. As Head Driller for the Geotechnical Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.

17. <u>Firm Experience:</u>

Identify the team's project experience **<u>most relevant</u>** to the scope in the advertisement. **The projects*** should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

Firm name	A P S Engineering and Testing, LLC	Discipline(s)*	** Geotech **
Project name	I-10 Widening LA 415 to Essen LN	Firm responsibility (prime or sub?)	Prime
Project number	H.004100	Owner's name	DOTD
Project location	Baton Rouge, Louisiana	Owner's Project Manager	Kristy Smith, P.E.
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA 70802-4438/ 225-379-1016/ kristy.smith2@ls.gov		
Services commenced by this firm (mm/yy)	09/19	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$600K

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

SCOPE- **Comprehensive Geotechnical Investigation and Design Support**-A P S Engineering and Testing, LLC performed a **comprehensive geotechnical investigation** to provide the client with all necessary subsurface information for the planning and design of the I-10 widening project between the **Washington Street Exit and LSU Lakes**. The scope included the **drilling and sampling of 77 deep borings**, consisting of **16 over-water borings** and **61 land borings**, strategically located to address anticipated deep foundation and MSE Walls design needs. Our field operations incorporated **multiple drilling techniques** to address varying site conditions, and all sampling was conducted in accordance with **ASTM and DOTD standards**. The project required complex over-water operations with specialized equipment mobilization and safety compliance procedures. Laboratory testing was performed exclusively in our **AASHTO-Accredited Geotechnical Laboratory**, including:

- Soil Classification – **ASTM D2487 (Unified) / ASTM D3282 (AASHTO)**
- Natural Moisture Content – **ASTM D2216**
- Liquid limit, plastic limit, and plasticity index **(ASTM D4318)**
- Grain Size Analyses – **ASTM D422**
- Minus No. 200 Wash Sieve Analysis – **ASTM D1140**
- Unconsolidated Undrained (UU) Triaxial Tests – **ASTM D2850**
- One-Dimensional Consolidation Testing – **ASTM D2435**
- Specific Gravity – **ASTM D854**

All results were subjected to **QA/QC review by senior geotechnical engineers**, ensuring that the design team received reliable engineering parameters for design. As a result, a geotechnical report was prepared with **site-specific design recommendations** for deep foundations, embankment stability, and MSE wall structures, enabling the client to move forward with confidence in the design phase.

KEY PERSONNEL:

Sergio Aviles, P.E.– Geotechnical Manager
Sai Eddanapudi, M.E., P.E. - Chief Engineer
Surendra Pathak, P.E.- Senior Geotechnical Engineer
Amanda Linton-Laboratory Testing Supervisor
Van George- Head Driller

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES IDIQ	
✓	Geotechnical Explorations (GE)
✓	Geotechnical Design (GD)
✓	Geotechnical Construction (GC)
✓	CMAR
✓	Constructability
✓	Contract Management (CM)

Firm name	A P S Engineering and Testing, LLC		Discipline(s)*	** Geotech **	
Project name	Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge			Firm responsibility (prime or sub?)	Sub
Project number	H.001352; H.002273	Owner's name	Huval & Associates, Inc.		
Project location	East Baton Rouge, Louisiana		Owner's Project Manager	Thomas M. Gattles III, P.E.	
Owner's address, phone, email	922 West Don't des Mouton Rd,. Lafayette, LA 70507 / 337-264-3798/ tgattle@huvalassoc.com				
Services commenced by this firm (mm/yy)	11/19		Total consultant contract cost ($1,000's)	N/A	
Services completed by this firm (mm/yy)	06/22		Cost of consultant services provided by this firm ($1,000's)	150K	

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

SCOPE – Comprehensive Geotechnical Investigation and Design Support-A P S Engineering and Testing, LLC provided complete geotechnical services to support the planning, design, and construction of multiple structures along the LA-19 corridor, including the LA-19 bridge (slope stability/embankment), LA-19 railroad bridge (embankment/MSE wall settlement/retaining wall), LA-19 twin bridges, and the LA-67 bridge (prestressed concrete piles).The investigation included drilling and sampling of **19 deep borings** ranging from 50 ft to 120 ft, followed by an extensive laboratory testing program in our **AASHTO-accredited laboratory** including:

- Moisture content **(ASTM D2216)**
- Liquid limit, plastic limit, and plasticity index **(ASTM D4318)**
- Unconsolidated-Undrained triaxial compression **(ASTM D2850)**
- One-Dimensional Consolidation **(ASTM D2435)**

All data was analyzed to develop the geotechnical design parameters for **Slope Stability, Settlement, MSE wall, and Deep Foundations design**. As the project advanced into construction, A P S was also retained by DOTD to provided **full geotechnical engineering services during construction**, services included:

- PDA instrumentation and CAPWAP analysis for driven piles
- Field inspection and verification of test piles
- Construction Materials Testing (CMT) for soils, concrete, and aggregates

KEY PERSONNEL:

Sergio Aviles, P.E.– Geotechnical Manager
Sai Eddanapudi, M.E., P.E. - Chief Engineer
Surendra Pathak, M.S., P.E. - Senior Geotechnical Engineer
Amanda Linton-Laboratory Testing Supervisor
Van George- Head Driller
Joseph Layton-CMT

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES IDIQ	
✓	Geotechnical Explorations (GE)
✓	Geotechnical Design (GD)
✓	Geotechnical Construction (GC)
✓	CMAR
✓	Constructability
✓	Contract Management (CM)

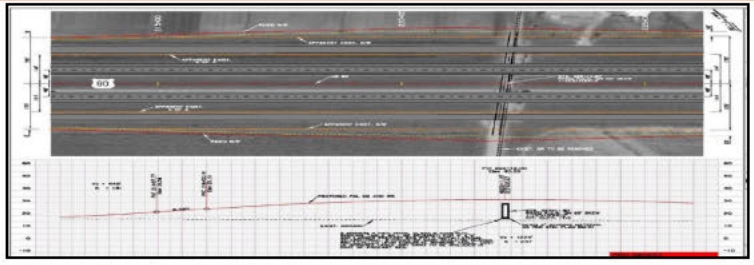
Firm name	A P S Engineering and Testing, LLC	Discipline(s)*	** Geotech **
Project name	US-90 Railroad Overpass (S. East of LA-85)	Firm responsibility (prime or sub?)	Sub
Project number	H.010155	Owner's name	Shread-Kurykendall & Associates, Inc
Project location	Iberia Parish, Louisiana	Owner's Project Manager	Nicci D. Gill
Owner's address, phone, email	13016 Justice Ave., Baton Rouge, LA 70816/ 225-296-1335/ ngill@skanger.com		
Services commenced by this firm (mm/yy)	11/19	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	12/23	Cost of consultant services provided by this firm ($1,000's)	$105K

SCOPE – Comprehensive Geotechnical Investigation and Design for 2,400-Foot Span Bridge-A P S Engineering and Testing, LLC performed full-service geotechnical investigation and engineering analysis to support the planning and design of a **2,400-foot bridge**. The scope work included drilling **twelve (12) borings** to depths of 120 ft, with **continuous undisturbed sampling** from the ground surface to 20 ft and at 5-ft intervals thereafter to ensure high-quality data for design purposes.

All laboratory testing was performed in our **AASHTO-accredited laboratory** following **ASTM** standards, including:

- Visual description and classification of soils **(ASTM D2488)**
- Moisture content **(ASTM D2216)**
- Minus No. 200 Wash Sieve Analysis – **ASTM D1140**
- Liquid limit, Plastic limit, and Plasticity index **(ASTM D4318)**
- Unconsolidated-Undrained triaxial Compression **(ASTM D2850)**
- One-Dimensional Consolidation **(ASTM D2435)**

The engineering analysis included **Slope Stability, Settlement analysis, MSE wall design, and deep Pile foundations** design recommendations, ensuring a complete geotechnical design report. Recommendations were also provided for constructability and long-term performance of the bridge foundations.



KEY PERSONNEL:

Sergio Aviles, P.E.- Geotechnical Manager
Sai Eddanapudi, M.E., P.E. - Chief Engineer
Surendra Pathak, M.S., P.E. - Senior Geotechnical Engineer
Amanda Linton-Laboratory Testing Supervisor
Van George- Head Driller

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES IDIQ	
✓	Geotechnical Explorations (GE)
✓	Geotechnical Design (GD)
✓	Geotechnical Construction (GC)
✓	CMAR
✓	Constructability
✓	Contract Management (CM)

Firm name	A P S Engineering and Testing, LLC		Discipline(s)*	** Geotech**	
Project name	I-10 Loyola Interchange Improvements			Firm responsibility (prime or sub?)	Prime
Project number	H.011670	Owner's name	DOTD		
Project location	Jefferson Parish, Louisiana		Owner's Project Manager	Kristy Smith, P.E.	
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA 70802-4438/ 225-379-1016/ kristy.smith2@ls.gov				
Services commenced by this firm (mm/yy)	06/18		Total consultant contract cost ($1,000's)	N/A	
Services completed by this firm (mm/yy)	10/18		Cost of consultant services provided by this firm ($1,000's)	300K	

SCOPE – Accelerated Geotechnical Investigation for the New Interchange to the New Airport Terminal-A P S Engineering and Testing provided complete geotechnical services for the planning and design of a **new fly-over interchange** connecting to the new airport terminal. The project required an **accelerated schedule** to meet critical deadlines for the design team. A total of **33 borings** were drilled to depth of 120 feet to support the geotechnical design for new fly-over interchange. All laboratory testing was conducted in our **AASHTO-accredited laboratory** in accordance with **ASTM** standards, including:

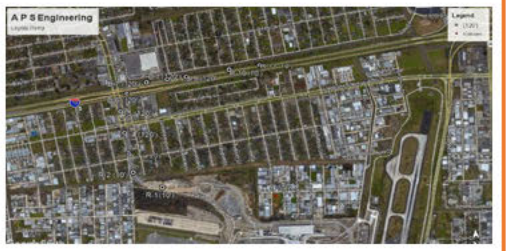
- Natural moisture content **(ASTM D2216)**
- Liquid limit, plastic limit, and plasticity index **(ASTM D4318)**
- Minus No. 200 Wash Sieve Analysis **ASTM D1140**
- Grain-size analysis **(ASTM D422)**
- Unconsolidated-undrained triaxial compression **(ASTM D2850)**
- One-dimensional consolidation **(ASTM D2435)**
- Specific Gravity **(ASTM D854)**

The A P S team maintained close coordination with the DOTD project management team to deliver timely laboratory results data (Boring logs) that kept the project **on schedule and under budget** despite the accelerated timeline.

KEY PERSONNEL:

Sergio Aviles, P.E. - Geotechnical Manager
Sai Eddanapudi, M.E., P.E. - Chief Engineer
Surendra Pathak, M.S., P.E. - Senior Geotechnical Engineer
Van George- Head Driller

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES IDIQ	
✓	Geotechnical Explorations (GE)
✓	Laboratory Testing
✓	Contract Management (CM



Firm name	A P S Engineering and Testing, LLC		Discipline(s)*	** Geotech **	
Project name	I-10 Calcasieu River Bridge			Firm responsibility (prime or sub?)	Prime
Project number	H.003931	Owner's name	DOTD		
Project location	Calcasieu Parish, Louisiana		Owner's Project Manager	Kristy Smith, P.E.	
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA 70802-4438/ 225-379-1016/ kristy.smith2@ls.gov				
Services commenced by this firm (mm/yy)		06/21	Total consultant contract cost ($1,000's)		N/A
Services completed by this firm (mm/yy)		11/21	Cost of consultant services provided by this firm ($1,000's)		247K

SCOPE – Geotechnical Investigation and Design Support for New I-10 Calcasieu Bridge-A P S Engineering and Testing conducted a **comprehensive subsurface investigation** to support the planning and design for the new I-10 Calcasieu River Bridge. The scope included drilling and sampling **26 deep borings** to a depth 120 feet to characterize subsurface conditions and provide design recommendations for bridge foundations and associated structures. All laboratory testing was performed in our **AASHTO-accredited laboratory** in accordance with **ASTM** standards, including:

- Natural moisture content **(ASTM D2216)**
- Liquid limit, plastic limit, and plasticity index **(ASTM D4318)**
- Minus No. 200 Wash Sieve Analysis **ASTM D1140**
- Grain-size analysis **(ASTM D422)**
- Unconsolidated-Undrained triaxial compression **(ASTM D2850)**
- One-dimensional consolidation **(ASTM D2435)**
- Specific Gravity **(ASTM D854)**

The geotechnical program provided design parameters for **deep pile foundations**, **slope stability**, and **settlement analysis**, providing recommendations to address the bridge's complex subsurface challenges.

KEY PERSONNEL:

Sergio Aviles, P.E.– Geotechnical Manager
Sai Eddanapudi, M.E., P.E. - Chief Engineer
Surendra Pathak, M.S., P.E. - Senior Geotechnical Engineer
Amanda Linton-Laboratory Testing Supervisor
Van George- Head Driller
Joseph Layton-CMT

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES IDIQ	
✓	Geotechnical Explorations (GE)
✓	Laboratory Testing
✓	Contract Management (CM

[redacted]

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18. Approach and Methodology

A P S Engineering and Testing, LLC (A P S) is a Louisiana-based Geotechnical Engineering and Construction Materials Testing firm with decades of combined professional experience. Our methodology combines proven engineering practices, advanced instrumentation, and disciplined project management to deliver reliable, accurate, and timely results for Louisiana DOTD Indefinite Delivery/Indefinite Quantity (IDIQ) Geotechnical Services contracts. A P S's approach is designed to exceed DOTD's quality, schedule, and safety expectations while ensuring responsive communication and efficient execution from initial task order to final deliverable.

General Approach

A P S begins with a comprehensive project kickoff to confirm scope, schedule, and deliverables with the DOTD Project Manager. We then assign a dedicated Project Manager—supported by **Senior Engineers, Field crews, and Laboratory personnel**—to oversee all phases of the assignment. Our methodology emphasizes:

- ✓ Early identification of site-specific challenges including One call (811) for utility locations prior to field investigations.
- ✓ Submitting Subsurface Investigation Plan for review and acceptance prior to the commencement of any field investigations.
- ✓ Deployment of drilling equipment, surveying unit, and trained crews for efficient data collection.
- ✓ Continuous QA/QC integration from field through final report.
- ✓ Direct communication with DOTD to address technical questions and expedite approvals.

Geotechnical Investigation Methodology, Laboratory Methodology, and Design Methodology-Scope of Services

- ✓ **Geotechnical Exploration –** (**ASTM D1452, ASTM D1586, ASTM D1587, ASTM D3441, and ASTM D5778**) – Land-based and over-water drilling, auger and rotary wash borings using our rigs with calibrated auto hammers according **ASTM D4633**, and in-situ testing Cone Penetration Testing.
- ✓ **Subsurface Sampling** (**ASTM D1587 and ASTM D1586**)– Shelby tube, split-spoon, piston sampler for soft cohesive soils, and pitcher sampler for hard cohesive soils, drilling dry-augered (up to 24') for water table readings.
- ✓ **AASHTO-accredited Laboratory** – **AASHTO-accredited** testing including Grain Size for cohesive or non-cohesive soils **(ASTM D422, ASTM D1140, ASTM D6913),** Atterberg Limits Method B **(ASTM D4318)**, Moisture Content **(ASTM D2216)**, Direct Shear Test **(ASTM D3080)**, Unconsolidated Undrained (UU) and 3PT. Consolidated Drained Triaxial **(ASTM D2850 and D7181),** Consolidation **(ASTM D2435),** Unit Weight (w/out Strength Testing), and Specific Gravity **(ASTM D854)**, pH Determination **(ASTM D2976)**, Organic Content **(ASTM D4943)**, Shelby Tube Extrusion (In Lab), and Dry Preparation of Subgrade Soils if needed.
- ✓ **Pavement Design Support** – Subgrade Survey, strength, and recommendations per DOTD criteria.
- ✓ **Deep Foundation Design** – Develop driven pile and drilled shaft foundation designs based on site-specific geotechnical data and DOTD requirements. Services include axial and lateral capacity analysis, tension and compression pile evaluations, down-drag, and scour assessments, pile length optimization, and group effect analyses. Design is supported by load testing programs. Recommendations include hammer selection guidance, driving criteria, and construction monitoring procedures to ensure foundation reliability and cost-effectiveness.
- ✓ **Slope Stability and Settlement Analysis** – Comprehensive limit equilibrium and numerical modeling analyses.
- ✓ **Construction Phase Services** – Materials testing, density testing, concrete inspection, and verification of geotechnical recommendations.

- ✓ **Instrumentation and Monitoring** – Settlement plate monitoring, piezometer installations, Cross-hole and single-hole sonic logging, and pile testing using the Pile Dynamic Analyzer (PDA) with CAPWAP analysis as part of our broader foundation evaluation program.
- ✓ **Data Management and Reporting** – Boring logs, lab test results, and engineering recommendations formatted per LADOTD Geotechnical
- ✓ Design Manual (GDM) requirements.

A P S GEOTECHNICAL EXPLORATION EQUIPMENT

Quantity	Rig/CPT	Drill Mount Truck	Drill Mount ATV/Track	Drill Mount Skid	Normal Drilling Capability
1	SIMCO 2800 HT	✓	✓		500’
1	Mobile B-57		✓		300’
1	ARCO	✓	✓		150’
1	Diedrich 120	✓			500’
1	SIMCO 2400		✓	✓	80’
1	TMG CPT-223		✓		120

Summary of available Drilling Rigs, Truck, Track, ATV Rigs, CPTs

A P S LABORATORY TESTING EQUIPMENT

Laboratory Extrusion, Specimen Selection and Storage, Atterberg Limits Hydrometer, Consolidation, Direct Shear, and Triaxial Testing

CONSTRUCTION MONITORING

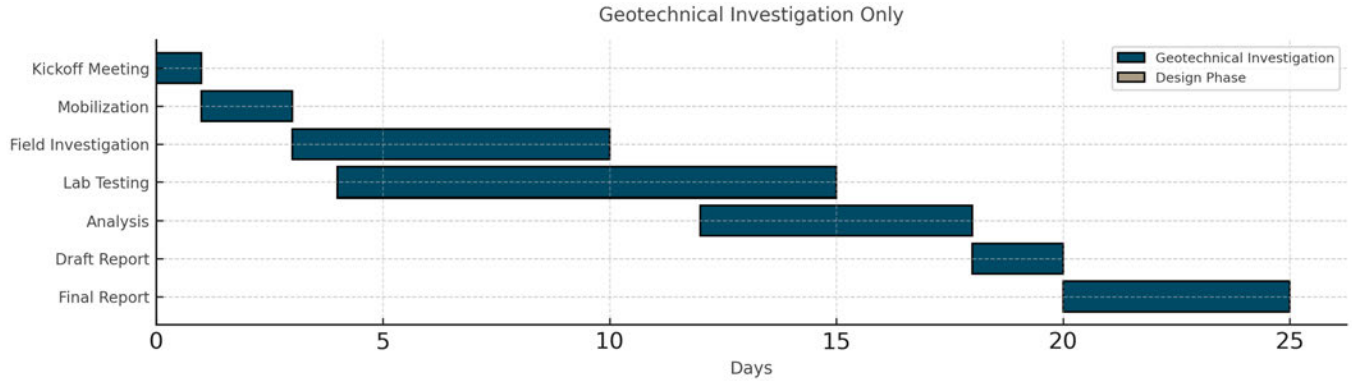
Pile Dynamic Analyzer, Surveying, Inclinometer, Settlement Plates, Drilled Shaft, Pile Load Tests, Wick Drains
A P S construction monitoring Service

Project Execution Methodology

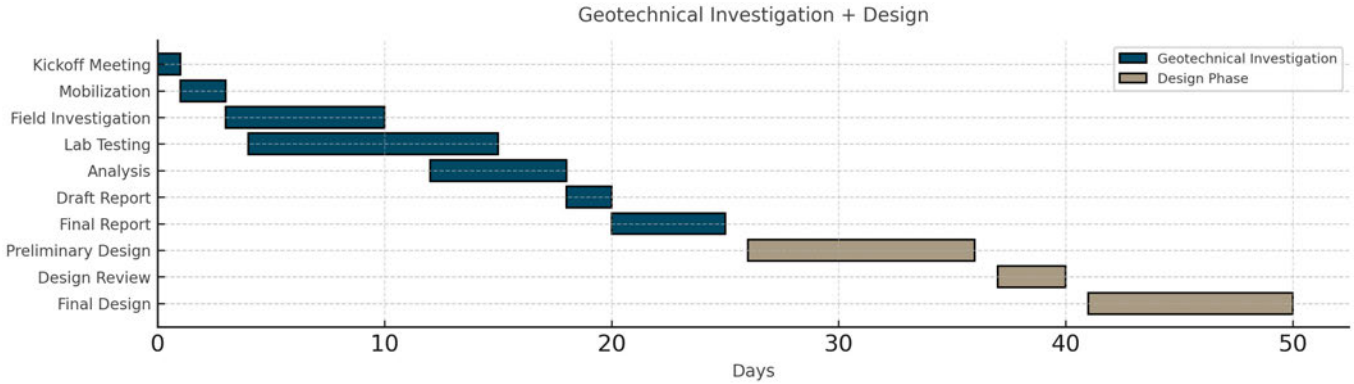
Our disciplined methodology ensures accuracy, safety, and efficiency at every phase:

1. **Project Initiation** – Review scope, establish communication protocols, One Call (811), and develop Health & Safety Plan.
2. **Mobilization** – Deploy drilling rigs, Surveying instrumentation, and field crews to site.
3. **Field Investigation** – Conduct borings, CPTs, and in-situ testing with real-time data logging.
4. **Laboratory Testing** – Transfer samples to A P S's AASHTO-accredited laboratory for immediate processing.
5. **Engineering Analysis** – Evaluate soil parameters, develop geotechnical models, and provide recommendations.
6. **Draft Report Submission** – Deliver preliminary findings to DOTD for review.
7. **Final Report Delivery** – Incorporate DOTD feedback and deliver signed/sealed final report.

Sample Task Order Schedule – Geotechnical Investigation Only (Time will vary with number of borings)



Sample Task Order Schedule – Geotechnical Investigation + Design (Time will vary with number of borings and complexity of project)



Quality Assurance / Quality Control (QA/QC) Methodology

A P S's QA/QC process is rooted into every stage of project execution. Field logs are verified daily, laboratory results are cross-checked against **ASTM/AASHTO/DOTD** standards, and all engineering calculations undergo peer review by senior engineers before inclusion in the reports.

We are committed to being a trusted partner of DOTD and continuously improving the value we provide through this contract. Our leadership is proactive, responsive, and deeply engaged with every assignment.

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) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
APS Engineering	CE&I/OV	4400024653/ H.01254.6	Wiggins Bayou Bridge	$37,790
APS Engineering	Geotech	4400019337/ H.014247	LA 399 Bridges Near Fullerton	$24,307
APS Engineering	Geotech	4400019337/ H.014245	LA 119; Bayou Pierre & Creek Bridges	$23,654
APS Engineering	Geotech	4400024653/ H.014982.5	Marathon Rd over Dry Creek	$25,056
APS Engineering	Geotech	4400019011/ H.012068.5	LA 1026 Creek Bridge	$12,900
APS Engineering	Geotech	4400024653/ H.014978.5	Bellard Loop over Untamed Drainage Ditch	$28,545
APS Engineering	Geotech	4400024653/ H.016323.5	LA 37 Glass Branch Bridge	$6,431
APS Engineering	Geotech	4400024653/ H.016326.5	LA 36 Drain Bridge Pearl	$11,451
APS Engineering	Geotech	4400024653/ H.016322.5	LA 81: W-11 Lateral & Bayou Black Bridges	$15,804
APS Engineering	Geotech	4400024653/ H.016312.5	LA 3116 Creek Bridges	$20,014
APS Engineering	Geotech	4400024653/ H.004005.5	I-10 LA415 to Essen Lane on I-10 and I-12	$55,900
APS Engineering	Geotech	4400024653/ H. 016321.5	LA 970 Creek Bridge	$5,123
APS Engineering	Geotech	4400024653/ H.016311.5	LA 1123 Box Culvert Creek Bridge	$22,194
APS Engineering	Geotech	4400024653/ H.016324.5	LA 1047 Drain Bridge	$6,946
APS Engineering	CE&I/OV	4400024653/ H.014560.6	LA-94 Vermillion River Bridge	$33,507

(Add rows as needed) DO NOT SUM

*** The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.** If a firm has more than one discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per 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. NOTE: **ALL** FIRMS MUST BE REPRESENTED IN THIS TABLE. 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**.

AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

American Association of State Highway and Transportation Officials AASHTO

APS Engineering and Testing, LLC.

in

Baton Rouge, 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

Matt Linneman,
AASHTO COMP Chair

MTC MATERIALS TESTING CENTER

USACE CERTIFICATE
OF
LABORATORY VALIDATION

APS
1645 Nicholson Drive
Baton Rouge, LA,
Sergio Aviles
(225) 456-5714

has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:
09 MAY 2022 AT 15:40 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 12/01/2023

PLEASE CONFIRM THE CURRENT VALIDATION STATUS OF THIS LABORATORY USING THE SEARCH FEATURE ON OUR PUBLIC WEBSITE: https://mtc.erdc.dren.mil

Chad A. Gartrell, PE, Director
USACE Materials Testing Center
Vicksburg, Mississippi, USA

DEQ LOUISIANA

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Is hereby granting a Louisiana Environmental Laboratory Accreditation to

Louisiana Environmental Lab Accreditation Program LELAP

APS Engineering and Testing LLC
1645 Nicholson Dr
Baton Rouge, Louisiana 70802

Agency Interest No. 182994
Activity No. ACC20250001

According to the Louisiana Administrative Code, Title 33, Part I, Subpart 3, LABORATORY ACCREDITATION, the State of Louisiana formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed in the attachment.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part I, Subpart 3 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part I. Please contact the Department of Environmental Quality, Louisiana Environmental Laboratory Accreditation Program (LELAP) to verify the laboratory's scope of accreditation and accreditation status.

Accreditation by the State of Louisiana is not an endorsement or a guarantee of validity of the data generated by the laboratory. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. To be accredited initially and maintain accreditation, the laboratory agrees to participate in two single-blind, single-concentration PT studies, where available, per year for each field of testing for which it seeks accreditation or maintains accreditation as required in LAC 33:I.4711.

Tonya Landry
Administrator
Public Participation and Permit Support Division

Issued Date: 5/14/2025
Effective Date: July 1, 2025
Expiration Date: June 30, 2026
Certificate Number: 05100

RTA DOTD

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)

APS Engineering and Testing, LLC

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

NC221310, NC221320, NC541330, NC541370, NC541380, NC541620, NC541690

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

Certificate Eligibility: October 2024 to October 2025

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 re-vocation based upon reasonable cause to believe that the firm is ineligible.

Rhonda Wallace
Rhonda Wallace, DBE/SBE Programs Manager
Louisiana Department of Transportation & Development

LED LOUISIANA ECONOMIC DEVELOPMENT

DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

A P S Engineering and Testing, LLC

is Certified-Active as a Small Entrepreneurship with Louisiana Economic Development's Hudson Initiative

This certification is valid from 5/8/2025 to 5/8/2026

Certification No. 9274

Stephanie Hartman,
Director, Entrepreneurial Services

BR

CITY OF BATON ROUGE
PARISH OF EAST BATON ROUGE

APS ENGINEERING & TESTING, LLC.

has successfully completed the requirements approved by the City of Baton Rouge, Parish of East Baton Rouge and is therefore awarded this

CERTIFICATE OF SEDBE CERTIFICATION

JULY 21, 2023


ATSSA CERTIFIED

PROOF OF CERTIFICATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Surendra Pathak

has demonstrated a thorough knowledge of the standards, guidelines and practices of traffic control in highway construction and maintenance work areas; has completed all the requirements of the American Traffic Safety Services Association Certification Program to the satisfaction of the Certification Board; and is hereby awarded the designation of:

Traffic Control Supervisor

This certified Individual is fully entitled to all the rights and privileges associated with this designation. This certificate will remain in effect until the expiration date noted herein unless otherwise revoked by action of the Certification Board.

Issue Date: 12/29/2022
Expiration Date: 12/29/2026
Certification #: 440578

Vice President of Education and Technical Services

American Traffic Safety Services Association
ATSSA.com


ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Sergio Aviles
has attended
Traffic Control Technician Virtual Training
Training Course

1/24/2023 to 1/24/2027
Training Valid Through

CEU: 0.75

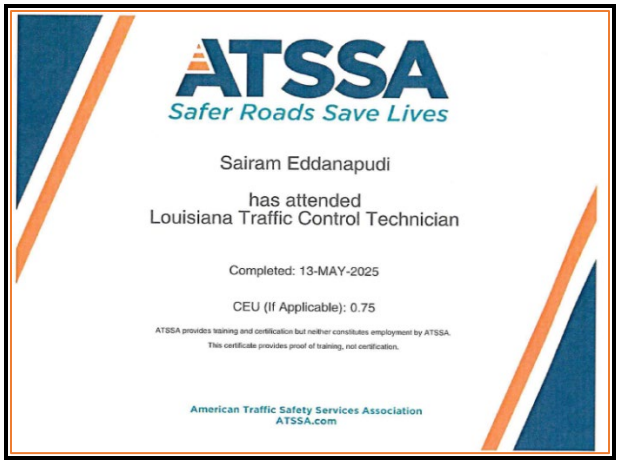
Director of Training

Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association ATSSA.com


ATSSA
Safer Roads Save Lives

Sairam Eddanapudi

has attended
Louisiana Traffic Control Technician

Completed: 13-MAY-2025

CEU (If Applicable): 0.75

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com


ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

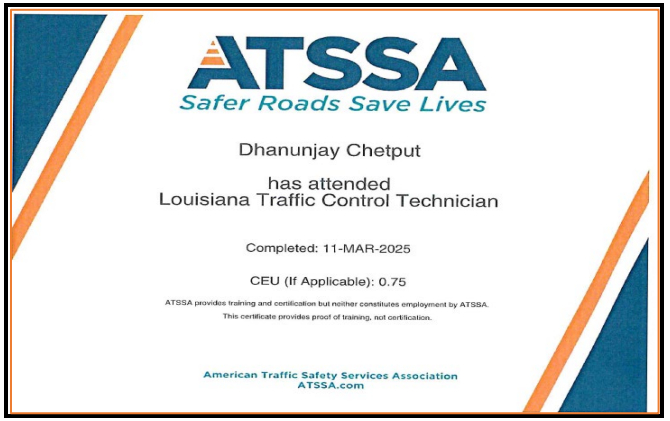
Van George
has attended
Louisiana Traffic Control Technician
Training Course

9/5/2023 to 9/5/2027
Training Valid Through

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO


ATSSA
Safer Roads Save Lives

Dhanunjay Chetput

has attended
Louisiana Traffic Control Technician

Completed: 11-MAR-2025

CEU (If Applicable): 0.75

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com


ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Joseph Layton
has attended
Traffic Control Technician Virtual Training
Training Course

1/24/2023 to 1/24/2027
Training Valid Through

CEU: 0.75

Director of Training

Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association ATSSA.com


ATSSA
Safer Roads Save Lives

Francis Steib

has attended
Louisiana Traffic Control Technician

Completed: 11-MAR-2025

CEU (If Applicable): 0.75

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com


ATSSA American Traffic Safety Services Association

This is to affirm that

Francis Steib

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date: **1/21/2025**
Exp. Date: **1/20/2029**
State Issued: **Louisiana**

ATSSA
Instructor Name

Instructor Signature

A1000280258

Verify at Flagger.com


ATSSA American Traffic Safety Services Association

This is to affirm that

Sergio Aviles

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 12/7/2022
Exp. Date 12/6/2026
State Issued Louisiana

ATSSA
Instructor Name

Instructor Signature

A1000114797

Verify at Flagger.com

Permanent cards have been reordered

LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Sergio L. Aviles

License/Certificate Type - Number

PE.0033571

Status: Active Exp Date: 03/31/2026

LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Sairam Venkata Eddanapudi

License/Certificate Type - Number

PE.0035129

Status: Active Exp Date: 03/31/2026

LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Surendra Raj Pathak

License/Certificate Type - Number

PE.0043487

Status: Active Exp Date: 09/30/2025

NATIONAL INSTITUTE FOR CERTIFICATION
IN ENGINEERING TECHNOLOGIES®
Joseph Matthew Layton Jr.

Construction Materials Testing - Soils Level III

CERT NO. 152822 VALID THROUGH 7/1/2026

State of Louisiana
Department of Transportation and Development

Joseph Layton

has met the requirements for certification as a(n):

Embankment and Base Course Inspector

61 ND Expiration Date: 9/28/2027

AMERICAN CONCRETE INSTITUTE

This is to certify that

JOSEPH M LAYTON JR

has demonstrated knowledge and ability by successfully completing the ACI Certification requirements and is hereby recognized as an

ACI Aggregate Testing Technician - Level 1

Certified Date: 07/15/2023 Expires: 07/14/2028

Examiner of Record: Mr MARK E DORNAK

ACI Managing Director of Certification

The Authenticity of this certification can be verified at www. ACICertification .org/verify

State of Louisiana
Department of Transportation and Development

Joseph Layton

has met the requirements for certification as a(n):

PCC Plant Technician

61 ND Expitation Date: 6/24/2030

State of Louisiana
Department of Transportation and Development
This certificate is presented to

Sairam Eddanapudi

for successfully completing
The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9) on

May 9, 2025

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

State of Louisiana
Department of Transportation and Development
This certificate is presented to

Surendra Pathak

for successfully completing
The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9) on

May 5, 2025

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

State of Louisiana

Department of Transportation and Development

This certificate is presented to

Sergio Aviles

for successfully completing

The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9) on

May 5, 2025

DOTD

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

State of Louisiana

Department of Transportation and Development

This certificate is presented to

Francis Steib

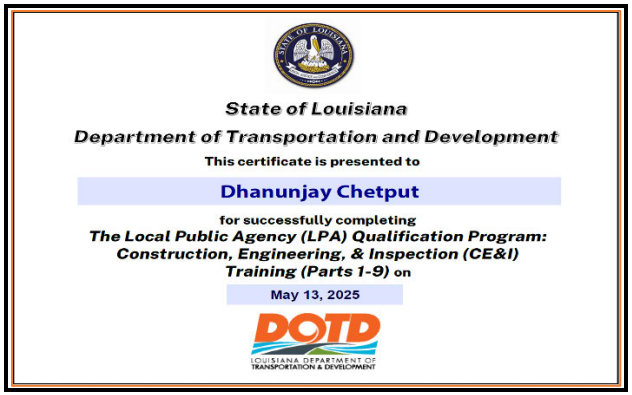
for successfully completing

The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9) on

May 7, 2025

DOTD

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



State of Louisiana

Department of Transportation and Development

This certificate is presented to

Dhanunjay Chetput

for successfully completing

The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9) on

May 13, 2025

DOTD

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

State of Louisiana

Department of Transportation and Development

This certificate is presented to

Joseph Layton

for successfully completing

The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9) on

June 14, 2025

DOTD

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:	Public Address:
APS Engineering and Testing, LLC	Mr. Sergio Aviles 5261 Highland Road, PMB 320 Baton Rouge, Louisiana 70808

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0005198	Active	11/29/2012	03/31/2027	Mr. Sergio L. Aviles # PE.0033571

Name	Type	City	Status
APS ENGINEERING AND TESTING, LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: APS ENGINEERING AND TESTING, LLC
Charter Number: 40911984K
Registration Date: 8/9/2012

Domicile Address

1645 NICHOLSON DR
BATON ROUGE, LA 70802

Mailing Address

5261 HIGHLAND RD. #320
BATON ROUGE, LA 70808

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 8/9/2012
Last Report Filed: 7/15/2025
Type: Limited Liability Company

Registered Agent(s)

Agent: SERGIO AVILES
Address 1: 5261 HIGHLAND RD. #320
City, State, Zip: BATON ROUGE, LA 70808
Appointment Date: 6/25/2018

Officer(s) **Additional Officers: No**

Officer: SERGIO AVILES
Title: Member
Address 1: 5261 HIGHLAND RD. #320
City, State, Zip: BATON ROUGE, LA 70808

Office of Conservation
Department of Energy and Natural Resources

STATE OF LOUISIANA

WATER WELL CONTRACTOR'S LICENSE

The Office of Conservation
for the Department of Energy and Natural Resources
State of Louisiana

hereby certifies that

A P S ENGINEERING AND TESTING, LLC

Sergio Aviles

has been licensed to drill environmental 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, 2026*** unless renewed, revoked or suspended by the licensing authority as prescribed by statue.

Signed and sealed this ***26th*** day of ***June*** , ***2025***

GAVIN D. BROUSSARD
ENVIRONMENTAL DIVISION ADMINISTRATOR
Office of Conservation
Louisiana Department of Energy and Natural Resources

License No. WWC- ***# 772***

21. QA/QC Plan:

If the advertisement requires submission of a QA/QC plan, include it here. **Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted**.

[redacted]

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 (Name must match exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	Address	Point of Contact and email address	Phone Number
NONE			

(Add rows as needed)

23. Location:

If location is an evaluation criterion for this advertisement (see page 2) and the prime consultant intends to establish a local presence, describe the plan for doing so. **Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the Evaluation Criteria section of the advertisement**.