LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

ENGINEERING AND RELATED SERVICES

CONTRACT NUMBERS
4400032793, 4400032794, 4400032795, 4400032796, 4400032797, AND 4400032798
IDIQ CONTRACTS FOR
GEOTECHNICAL SERVICES STATEWIDE

EUSTIS
ENGINEERING L.L.C.
SINCE 1946

and

ADAPTIVE
MANAGEMENT AND ENGINEERING

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	
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)**	**Eustis Engineering L.L.C.**
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.0003558
6. Prime consultant mailing address	13434 Jefferson Highway Baton Rouge, Louisiana 70817
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	13434 Jefferson Highway Baton Rouge, Louisiana 70817
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Gwendolyn P. Sanders, P.E. President 225-706-5564 gsanders@eustiseng.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Gwendolyn P. Sanders, P.E. President 225-706-5564 gsanders@eustiseng.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: **24 July 2025** Date:

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): Adaptive Management and Engineering, LLC	Firm(s)' %: 3%

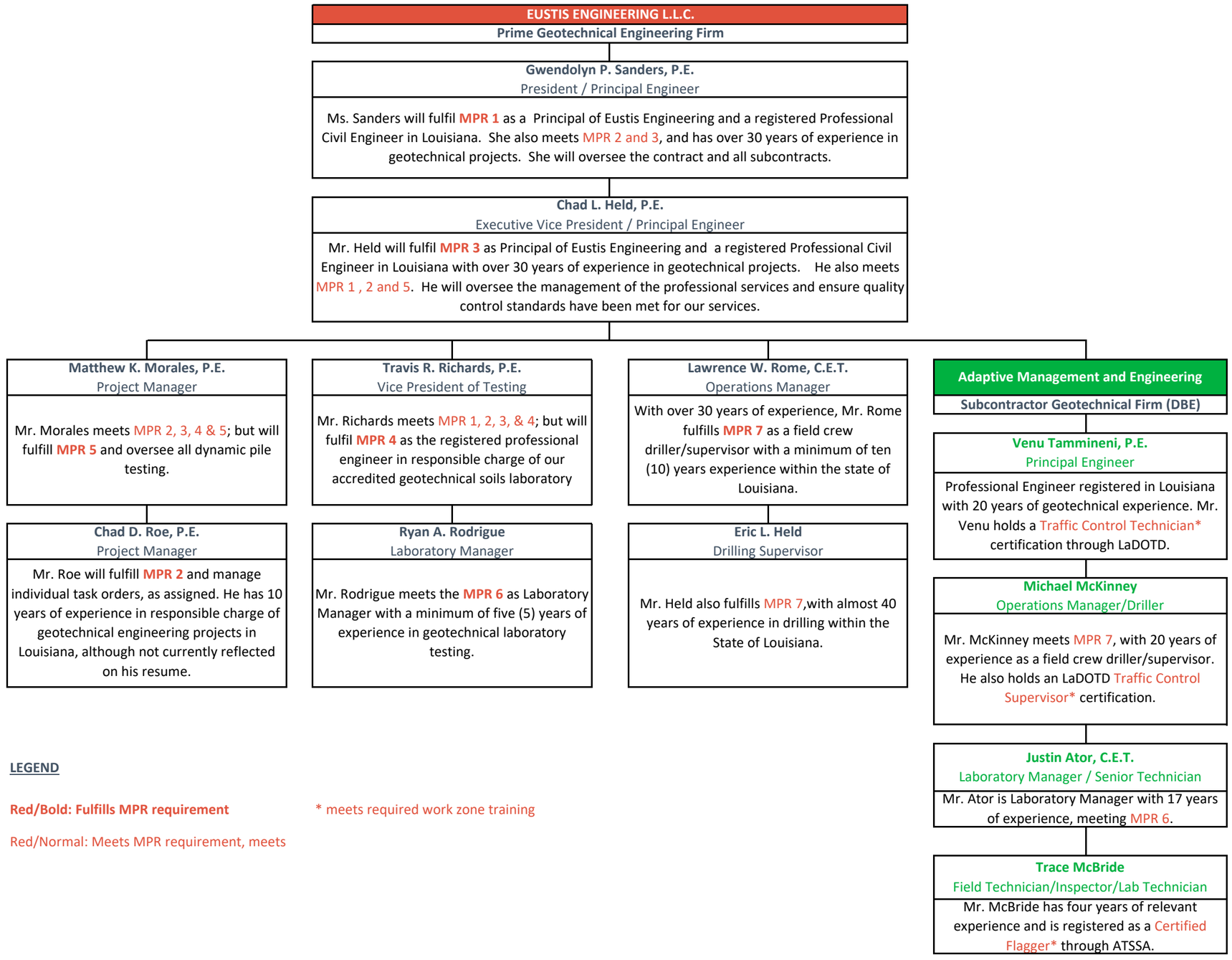
12. Discipline Table:

Discipline(s)	% of Overall Contract	Prime Eustis Engineering L.L.C.	Firm B Adaptive Management and Engineering, LLC	Each Discipline must total to 100%
Geotech	100%	97%	3%	**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%**	97%	3%	**100%**

13. Firm Size:
(Add rows as needed)

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Eustis Engineering L.L.C.	Principal	2	3
Eustis Engineering L.L.C.	Supervisor - Eng	2	11
Eustis Engineering L.L.C.	Engineer	1	4
Eustis Engineering L.L.C.	Pre-Professional	1	7
Eustis Engineering L.L.C.	Engineering-Aide	2	6
Eustis Engineering L.L.C.	CADD Technician	1	1
Eustis Engineering L.L.C.	Clerical	3	13
Eustis Engineering L.L.C.	Driller	1	6
Eustis Engineering L.L.C.	Geologist	1	2
Eustis Engineering L.L.C.	Inspector	6	15
Eustis Engineering L.L.C.	Inspector - Certified	1	1
Eustis Engineering L.L.C.	Supervisor - Other	2	8
Eustis Engineering L.L.C.	Technician	3	6
Eustis Engineering L.L.C.	Senior Technician	3	6
Adaptive Management and Engineering, LLC	Principal	1	1
Adaptive Management and Engineering, LLC	Engineer	2	2
Adaptive Management and Engineering, LLC	Senior Technician	2	2
Adaptive Management and Engineering, LLC	Driller	1	1
Adaptive Management and Engineering, LLC	Technician	3	3
Adaptive Management and Engineering, LLC	Inspector	1	1
Adaptive Management and Engineering, LLC	Administrative	1	1

14. Organizational Chart:



LEGEND

Red/Bold: Fulfills MPR requirement

Red/Normal: Meets MPR requirement, meets

* meets required work zone training

15. Minimum Personnel Requirements:

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, 2, 3	Gwendolyn P. Sanders, P.E.	Eustis Engineering L.L.C.	Professional Civil Engineer P.E.0027104	LA	9/30/2025
1, 2, 3, 5	Chad L. Held, P.E.	Eustis Engineering L.L.C.	Professional Civil Engineer P.E.0030257	LA	9/30/2026
1, 2, 3, 4	Travis R. Richards, P.E.	Eustis Engineering L.L.C.	Professional Civil Engineer P.E.0030992	LA	3/31/2027
2, 3, 4, 5	Matthew K. Morales, P.E.	Eustis Engineering L.L.C.	Professional Civil Engineer P.E.0038211 Pile Driving Contractors / Pile Dynamics Inc. – Dynamic Measurement and Analysis Proficiency Test, Master Level	LA	9/30/2025
2	Chad Roe, P.E.	Eustis Engineering L.L.C.	Professional Civil Engineer P.E.0041908	LA	3/31/2026
6	Ryan A. Rodrigue	Eustis Engineering L.L.C.	NICET Certification No. 111500 Level II Construction Materials Testing, Soil Level IV Geotechnical Engineering Technology	N/A	N/A
7	Lawrence W. Rome, C.E.T.	Eustis Engineering L.L.C.	Water Well Contractor (Driller) License No. 267	LA	6/30/2026
7	Eric L. Held	Eustis Engineering L.L.C.	Trained as Backup Water Well Contractor	N/A	N/A

16. Staff Experience:

Firm employed by	Eustis Engineering L.L.C.		
Name	**Gwendolyn P. Sanders, P.E.**	Years of relevant experience with this employer	32
Title	President	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		Master of Science / 1992 / Engineering Bachelor of Science / 1990 / Civil Engineering	
Active registration number / state / expiration date		PE.0027104 / Louisiana / 09-30-2025	
Year registered	1997	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		As President, Mrs. Sanders will be responsible for the overall services provided by Eustis Engineering L.L.C. and will meet Minimum Personnel Requirement Nos. 1, 2, and 3 of this RFQ.	

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).
03/11 – 08/16	State of Louisiana - Wisner Boulevard Overpass, Orleans Parish, Louisiana (22972, 22637, 21349, 21966): Mrs. Sanders helped develop subsoil design parameters at each boring location. These design parameters were used to estimate pile load capacity with ultimate compressive pile load capacity being computed for alternative pile sizes. Precast concrete piles were being considered for support. Other factors considered in our engineering analyses included drag loads due to fill placement, estimated total settlement due to structural loads, pile installation recommendations, and recommended inspection and monitoring of existing structures.
03/20 – 06/25	State of Louisiana, Department of Transportation and Development, I-10 and I-12 College Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana (B0646): Services for this project included undisturbed borings, auger borings, and cone penetration tests. Eustis Engineering also provided laboratory testing including Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests. As Principal, Mrs. Sanders has put in over 300 hours on this project to perform senior level review associated with the design and construction services. She participated in weekly progress meetings both with the design team and with the owner representatives.
02/18 – 9/19	Greater New Orleans Expressway Commission (GNOEC) - Lake Pontchartrain Causeway, Safety Bay Improvements, Jefferson and St. Tammany Parishes, Louisiana (23800): As Engineering Manager and Project Principal, Mrs. Sanders was involved in the development of the geotechnical scope of work as well as field and laboratory programs. She provided general oversight and review of the engineering analyses during the geotechnical exploration and design including development of the pile data table and testing program. She also provided oversight and evaluation during the construction phase including review of the verification testing of indicator piles and monitor piles as well as adjustment of driving criteria and acceptance criteria.
08/06 – 12/14	State of Louisiana - Huey P. Long Bridge Widening, Route U.S. Highway 90, West Bank and East Bank Approaches and Main Bridge Deck Widening, Jefferson Parish, Louisiana (18530, 19483, 20262): Mrs. Sanders was the Project Manager and lead geotechnical engineer during design and construction. Mrs. Sanders provided design pile and shaft capacity estimates in the engineering/design phase of the project. Prior to construction, she reviewed the geotechnical aspects of the project

	specifications and provided comments. During construction, she observed/witnessed drilled shaft installations and shaft inspection device (SID) testing prior to concrete placement. She also observed and reviewed the results of pile and shaft load testing and provided final inputs to the pile data tables.
06/16 – 06/20	U.S. Army Corps of Engineers - A-E IDIQ Contract for Soil Borings, Soil Testing, Concrete and Other Materials Testing, Vibration Monitoring and Other Related Services for the New Orleans District and the Mississippi Valley Division (23226): As Principal Engineer, Mrs. Sanders was the Point of Contact between the Government's Contracting Officer and Eustis Engineering in the administration of this contract. She has negotiated subcontract agreements with our team members and coordinated scopes of works for the various task orders issued under this five-year contract. Similar to the anticipated LaDOTD IDIQ, task orders under this contract have ranged from small laboratory testing services only to drilling and laboratory testing of various scopes and durations (1 boring to 100 borings) and have included design services and desktop studies.
01/12 – 05/19	State of Louisiana - Route I-10, Williams Boulevard, Veterans Boulevard, and Loyola Drive to Williams Boulevard, Jefferson Parish, Louisiana, S.P. Nos. H009087.5 and H.003074.5 (21687): Mrs. Sanders served as the Project Manager during the exploration phase of these projects and preliminary design. She assisted with rating determinations of the existing Veterans Boulevard and Duncan Avenue canal bridges and the Loyola Drive and Williams Boulevard overpasses. This rating included recommended resistance factors associated with the available tests to be used to assess the existing structure's ability to meet current Load Resistance Factor Design (LRFD) requirements. Engineering analyses included settlement evaluations for various embankment fill heights and widths, settlement and differential settlement of pile foundations, slope stability of each canal crossing, and ultimate vertical pile capacity estimates. Mrs. Sanders provided senior level review during later project phases when a bridge replacement, rather than widening, was selected. The replacement bridge required the evaluation of a preload/surcharge program.

16. Staff Experience:

Firm employed by	Eustis Engineering L.L.C.			
Name	**Chad L. Held, P.E.**		Years of relevant experience with this employer	34
Title	Executive Vice President & Senior Project Manager		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			Master of Science / 2002 / Civil Engineering Bachelor of Science / 1998 / Civil Engineering	
Active registration number / state / expiration date			PE.0030257 / Louisiana / 09-30-2026	
Year registered	2002	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Mr. Held will meet Minimum Personnel Requirement Nos. 1, 2, 3, and 5 of this RFQ. He is a principal of Eustis Engineering L.L.C. and a registered Professional Engineer in the State of Louisiana, with over ten years of experience in responsible charge of geotechnical engineering projects.	

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).
08/06 – 12-14	State of Louisiana - Huey P. Long Bridge Widening, Route U.S. Highway 90, West Bank and East Bank Approaches and Main Bridge Deck Widening, Jefferson Parish, Louisiana (18530, 20262): As a Project Engineer, Mr. Held developed allowable vertical pile load capacity estimates (precast concrete, steel H, and treated ASTM D 25 timber); allowable shaft load capacity estimates (7 and 9 feet in diameter) to support Pier IVA located along the East Bank Approach with and without the benefit of post-grouting the shaft tips; estimates of settlement for the proposed pile/shaft groups; evaluation of pile/shaft group capacity and spacing; lateral load analyses of pile foundations for various pile group configurations and loading conditions, in addition to analyses of a single pile, to evaluate the sensitivity of the point of fixity; dewatering and pressure relief recommendations for construction of Pier IVA; and recommendations for test pile and test shaft programs. Once construction began, Mr. Held performed dynamic pile testing and signal matching verification (CAPWAP® analyses) on selected piles to evaluate capacity for the project. He also interpreted crosshole sonic logging results.
06/21 – 01/22	State of Louisiana, Department of Transportation and Development (LaDOTD) - I-10 Calcasieu River Bridge Project, Lake Charles, Louisiana (24584): This project comprised 24, 100-ft borings (75% over land and 25% in marsh). Laboratory testing of samples includes triaxial unconsolidated undrained tests, Atterberg limits, particle size analysis, moisture content, percent passing a U.S. Standard No. 200 mesh sieve, and consolidation with rebound. A geotechnical data report, boring log files, and test results were provided to the client. Mr. Held was responsible for quality control regarding the review of the data being transmitted with the gINT® database and other project summaries.
03/11 – 08/16	State of Louisiana - Wisner Boulevard Overpass, Orleans Parish, Louisiana (22972, 22637, 21349, 21966): Mr. Held provided quality control and review during the construction phase of the project. Eustis Engineering performed dynamic pile testing with signal matching on selected monitor piles, indicator piles, and job piles. Mr. Held reviewed and adjusted the results of the signal matching verification using his experience in subsoil conditions encountered at the site and considering the piles and driving system.

06/08 - 02/12	State of Louisiana - Interstate 12 Widening from O'Neal Lane to Range Avenue, East Baton Rouge Parish, Louisiana (20298): As Senior Project Manager, Mr. Held provided an independent quality assurance technical review for various aspects of the project's construction. Mr. Held performed dynamic pile testing services and CAPWAP analyses on precast concrete piles being driven as job piles. In addition, Mr. Held performed Wave Equation Analysis of Piles (WEAP) to approve hammers utilized on the project. Upon completion of dynamic pile testing and initial installation of test piles and indicator piles, Mr. Held also developed inspectors' charts and pile driving criteria for respective pile bents.
04/08 – 04/14	U. S. Army Corps of Engineers - Inner Harbor Navigation Canal Surge Protection Project, New Orleans, Louisiana (20243.00--.14): As Project Engineer, Mr. Held performed dynamic pile testing as well as reviewed dynamic pile tests (DPTs) performed by others to ensure DPT data quality. CAPWAP analyses were performed on the end-of-driving and restrike DPTs to evaluate shaft resistance along the pile, soil setup over time, and ultimate pile capacity. Mr. Held was also on rotational call to provide project management services and assist with quality control and pile installation design questions.
06/22 – 01/24	State of Louisiana, Department of Transportation and Development, I-10/City Park Bridge Replacement Project, Baton Rouge, Louisiana (24821.00, .01): Eustis Engineering performed a geotechnical peer review for the proposed City Park crane trestle piles for the I-10/City Park Bridge Replacement project in Baton Rouge, Louisiana. In order to perform the peer review, Eustis Engineering was furnished Kiewit/Boh, AJV's (Kiewit's) design memorandum which outlined the design assumptions associated with the trestle bridge design performed by Kiewit. After authorization, Eustis Engineering was requested to perform independent geotechnical engineering analyses as part of this review. The limited geotechnical analyses included development of axial pile load capacity curves and lateral load analyses of the proposed pile groups to compare with the analyses performed by Kiewit. Eustis Engineering also performed dynamic pile tests (DPTs) on five job piles for the project. Mr. Held performed the consultation on the engineering analyses associated with the peer review and reviewed the results of the DPTs and CAPWAP analyses.

(Add rows as needed)

16. Staff Experience:

Firm employed by	Eustis Engineering L.L.C.			
Name	**Travis R. Richards, P.E.**		Years of relevant experience with this employer	19
Title	Vice President of Testing and Senior Project Manager		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			Graduate Certificate / 2018 / Coastal Engineering Master of Science / 2017 / Engineering Master of Science / 2015 / Engineering Management Bachelor of Science / 1998 / Civil Engineering	
Active registration number / state / expiration date			PE.0030992 / Louisiana / 03-31-2027	
Year registered	2004	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Mr. Richards is the engineer in responsible charge for the quality control, technical functions, and performance of the soil mechanics' laboratory testing regarding our accreditations for geotechnical and construction materials testing in Louisiana. He meets MPR No. 4 with over 7 years of experience in this role.	

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).
03/20 – 06/25	State of Louisiana, Department of Transportation and Development, I-10 and I-12 College Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana (B0646): Services for this project included undisturbed borings, auger borings, and cone penetration tests (CPTs). Eustis Engineering L.L.C. also provided laboratory testing including Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests. Mr. Richards provided quality review of the laboratory testing services and CPT results.
01/21 - Ongoing	State of Louisiana, Department of Transportation and Development (LaDOTD), Bayou Barataria Bridge, Jefferson Parish, Louisiana (24515): The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering obtained relevant permits and land access and drilled 24 borings over water, marsh, and pavement. Geotechnical analyses include vertical and lateral pile analyses, pile scour capacity, lateral load analyses, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. Mr. Richards oversaw the laboratory testing services and reporting. He adjusted the gINT® database/library to allow for client requested formatting and report generation to complete the data report.
06/21 – 01/22	State of Louisiana, Department of Transportation and Development (LaDOTD), I-10 Calcasieu River Bridge Project, Lake Charles, Louisiana (24584): This project comprised 24, 100-ft borings (75% over land and 25% in marsh). Laboratory testing of samples includes triaxial unconsolidated undrained tests, Atterberg limits, particle size analysis, moisture content, the test to establish the percent passing a U.S. Standard No. 200 mesh sieve, and consolidation with rebound. A geotechnical data report, boring log files, and test results were provided to the client. Mr. Richards' responsibilities included adjustments to the gINT library to produce the requested information. He also provided a quality level review of the data and laboratory summaries.

04/08 – 04/14	U.S. Army Corps of Engineers - Inner Harbor Navigation Canal Surge Protection Project, New Orleans, Louisiana (20243.00 - .15): Mr. Richards' role as the geotechnical design lead included project management and review of deliverables of other geotechnical engineering consultants during the project, geotechnical design of project features, oversight and acceptance of piles driven to support the project, and served as the liaison for geotechnical matters for the design-build contractor, Shaw E&I, during the project.
02/09 – 03/15	U.S. Army Corps of Engineers - Preparation of Design Documentation Report and Plans and Specifications, WBV-74 and WBV-09b, Western Tie-In Closure Structure, St. Charles and Plaquemines Parish, Louisiana (20536): Mr. Richards was the instrumentation engineer assigned to the project. He was involved in the development and implementation of the instrumentation plan and oversaw the field installation of the geotechnical monitoring equipment including data loggers. Mr. Richards processed instrumentation readings and created modeling of the preload/surcharge stacks to evaluate progress of the project preload/surcharge program. He also summarized the instrumentation readings and observations in the form of geotechnical data reports.
01/12 – 10/17	State of Louisiana - Route I-10, Williams Boulevard to Veterans Boulevard and Loyola Drive to Williams Boulevard, Jefferson Parish, Louisiana (21687): Mr. Richards performed settlement analyses for various embankment fill heights and widths as well as slope stability analyses to evaluate each of the canal crossings.
03/18 – 01/19	Orleans Levee District - West Roadway Street Drainage Repairs, South Roadway Street to Floodgate L-01, New Orleans, Louisiana (23789): Mr. Richards provided direct oversight of the field inspectors, laboratory testing of soils and concrete, and quality assurance. Mr. Richards also provided review of material submittals, dispute resolution, and acted as a liaison among construction materials testing and project civil and geotechnical engineers.
04/17 – 07/18	City of New Orleans, Bourbon Street Reconstruction Project, Canal Street to Dumaine Street, New Orleans, Louisiana (23548, .01): As Project Manager, Mr. Richards provided direct oversight and review of soils and aggregates materials' sampling and laboratory testing, inplace nuclear density testing, and vibration monitoring results. Reporting and managing data were handled through an online database, MetaField.

(Add rows as needed)

16. Staff Experience:

Firm employed by	Eustis Engineering L.L.C.			
Name	**Matthew K. Morales, P.E.**		Years of relevant experience with this employer	16
Title	Project Manager		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			Bachelor of Science / 2008 / Civil Engineering	
Active registration number / state / expiration date			PE.0038211 / Louisiana / 09-30-2025	
Year registered	2013	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Mr. Morales serves as Project Manager and will meet MPR Nos. 3, 4, and 5 of this RFQ.	

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).
01/21 – Ongoing	State of Louisiana, Department of Transportation and Development (LaDOTD), Bayou Barataria Bridge Replacement, Jefferson Parish, Louisiana (24515.00-.03): The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering L.L.C. obtained relevant permits and land access and drilled 24 borings over water, marsh, and pavement. Geotechnical design analyses include vertical and lateral pile capacity with and without scour, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. Engineering during construction (EDC) includes Wave Equation Analysis of Piles (WEAP) driveability, dynamic pile testing with signal matching, and development of a vibration monitoring plan. Mr. Morales has been responsible for performing internal reviews of the engineering analyses, the geotechnical data report, and the geotechnical design report completed for this project. He is also leading the EDC efforts.
03/20 – 06/25	State of Louisiana, Department of Transportation and Development, I-10 and I-12 College Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana (B0646): Services for this project included a subsurface exploration including undisturbed borings, auger borings, and cone penetration tests. Eustis Engineering also provided laboratory testing including Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests. Design services were provided for seven different major project features. Mr. Morales was the geotechnical design engineer for all project features, which included driven pile and drill shaft foundation design, slope stability analyses, retaining wall design, embankment evaluations, roadway pavement design, and developing load test programs. Eustis Engineering evaluated the results of the bi-directional load test performed on a drilled shaft, performed dynamic pile testing with signal matching to verify pile load capacity estimates, and reviewed installation logs of the production shafts and piles. Mr. Morales' responsibilities on this project included performing engineering design work for the project features in a timely manner allowing construction operations to progress with minimal delays.
08/06 – 12/14	State of Louisiana - Huey P. Long Bridge Widening, Route U.S. Highway 90, West Bank and East Bank Approaches and Main Bridge Deck Widening (18530, 20262): Mr. Morales was involved in the later phases of this project as a project engineer. He reviewed and evaluated the results of cone penetration tests used to supplement the soil borings and performed dynamic testing on the piles supporting the approach ramps.

06/11 -02/13	State of Louisiana - Essen Lane Interchange Westbound, Route Interstate 12, East Baton Rouge Parish, Louisiana: Mr. Morales served as a project engineer for this project. He performed engineering analyses to evaluate some of the retaining wall alternatives. He also performed global slope stability analyses using Spencer's Method of Slices as coded within GEOSLOPE International Ltd.'s computer program, SLOPE/W.
02/09 – 04/10	U.S. Army Corps of Engineers - Inner Harbor Navigation Canal Surge Protection Project, New Orleans, Louisiana (20243.00-.15): As a project engineer, Mr. Morales performed Wave Equation Analysis of Piles (WEAP) analyses for this project. He also participated in the field exploration phase and dynamic pile testing during the test pile program and job pile installation. In addition, he reviewed some of the construction submittals.
02/09 – 03/15	U.S. Army Corps of Engineers - Preparation of Design Documentation Report and Plans and Specifications, WBV-74 and WBV-09b, Western Tie-In Closure Structure, St. Charles and Plaquemines Parish, Louisiana (20536): Eustis Engineering provided design and engineering during construction (EDC) services. The design phase scope, assisted by Mr. Morales, included drilling 5-in. undisturbed soil borings in the marsh; laboratory testing; engineering analyses of levees and structures; and installation, monitoring, and evaluation of geotechnical instrumentation.
10/13 – 2/15	State of Louisiana – Route Interstate 10, Highland Road to LA Highway 73, East Baton Rouge and Ascension Parishes, Louisiana (21777): As a project engineer, Mr. Morales oversaw the field investigation phase of this project. He has performed analyses for deep foundations and analyzed settlement for the widening of the overpasses and approach embankments.

(Add rows as needed)

16. Staff Experience:

Firm employed by	Eustis Engineering L.L.C.			
Name	**Chad D. Roe, P.E.**		Years of relevant experience with this employer	2
90,	Project Manager		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			Master of Science / 2021 / Civil Engineering Bachelor of Science / 2013 / Civil Engineering	
Active registration number / state / expiration date			PE.0041908 / Louisiana / 03-31-2026	
Year registered	2017	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Mr. Roe is a registered professional engineer in the State of Louisiana meeting MPR No. 2. He has also recently gained enough experience to meet MPR No. 3, although only recent projects are reflected in this resume.	

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).
01/21 – Ongoing	State of Louisiana, Department of Transportation and Development, Bayou Barataria Bridge Replacement, Jefferson Parish, Louisiana (24515.03): Eustis Engineering L.L.C. was contracted as a prime geotechnical consultant to complete engineering during construction and as a subcontractor to perform selected construction materials testing services. To keep the construction phase services performed for the contractor separate from the services by our geotechnical engineer of record, Mr. Roe led the design team to complete engineering analyses to evaluate slope stability and bearing capacity for temporary features proposed by the contractor to construct the surcharge embankments and position crane mats near the bank.
08/24 – 03/25	State of Louisiana, Department of Transportation and Development, Bayou Terrebonne Bridges, LA Highway 182, Houma, Louisiana (25303): This project included the removal and replacement of two bridges crossing Bayou Terrebonne along LA Highway 182 in Houma, Louisiana. The geotechnical exploration included four soil borings and one cone penetration test. As Project Manager, Mr. Roe coordinated the field work, assigned laboratory testing, reviewed the boring logs for the project, and published the final geotechnical data report.
12/24 – 05/25	State of Louisiana, Department of Transportation and Development, Bayou Macon Bridge Replacement, U.S. Highway 80, Delhi, Louisiana (25396): The LaDOTD planned to replace the Bayou Macon Bridge near Delhi in Richland Parish, Louisiana. Eustis Engineering performed five soil borings to depths of 120 feet, four performed on land adjacent to the bridge abutments and one performed within Bayou Macon adjacent to the bridge. Soil mechanics laboratory tests were performed on selected representative samples to aid in classification of the subsoils and to give an indication of their relative strength and compressibility. Mr. Roe was the project manager and participated in discussions with the LaDOTD regarding the project plans and boring locations, assigned laboratory tests, and signed the final geotechnical data report.
08/24 – 01/25	State of Louisiana, Department of Transportation and Development, Coulee Ile Des Cannes Bridge, LA Highway 93, Lafayette, Louisiana (25316): Eustis Engineering performed a geotechnical exploration for the Coulee Ile Des Cannes Bridge Project in Lafayette, Louisiana. The project comprises the reconstruction of the bridge on LA Highway 93 as well as a new box culvert.

	Eustis Engineering's scope of services included the drilling of one soil boring and soil mechanics laboratory testing. Mr. Roe reviewed work orders and field logs, assigned laboratory testing, and completed the geotechnical data report.
07/24 – 05/25	State of Louisiana, Department of Transportation and Development, Bridge Replacement and Embankment Widening, Gravolet Road Over Drainage Canal, Braithwaite, Louisiana (25305): An off-system bridge replacement at Gravolet Road was planned where it crosses over a drainage canal in Braithwaite, Louisiana. Since the proposed work was within Plaquemines Parish, a permit was needed from the Plaquemines Parish Government (PPG). In addition, one boring location was within 300 feet of the U.S. Army Corps of Engineers' (USACE's) Phoenix to Bohemia levee system, requiring a Letter of No Objection (LONO) from the USACE; the State of Louisiana, Coastal Protection and Restoration Authority (CPRA); and the PPG. After successfully obtaining all required authorization, Eustis Engineering performed a geotechnical exploration consisting of two soil borings to estimate subsurface conditions and stratification, and to obtain samples of various substrata. As Project Manager, Mr. Roe oversaw the permitting process, coordinated the subsurface exploration and laboratory testing, and prepared the final data report.

(Add rows as needed)

16. Staff Experience:

Firm employed by	Eustis Engineering L.L.C.		
Name	**Eric L. Held**	Years of relevant experience with this employer	37
Title	Drilling Supervisor	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		High School Diploma / Archbishop Rummel High School	
Active registration number / state / expiration date		Secondary Contact Person for Eustis Engineering's Water Well Contractor license. He has completed all relevant training and is prepared to become the primary license holder in the event Mr. Rome becomes unavailable.	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Mr. Held meets MPR No. 7. He has more than 10 years of experience as a field crew driller/supervisor within the State of Louisiana.	

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).
01/21 – Ongoing	State of Louisiana, Department of Transportation and Development, Bayou Barataria Bridge, Jefferson Parish, Louisiana (24515.00-.03): The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering obtained relevant permits and land access and drilled 24 borings over water, marsh, and pavement. Geotechnical analyses include vertical and lateral pile analyses, pile scour capacity, lateral load analyses, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. Mr. Held supervised the drilling for this project and performed limited field services for a portion of the exploration.
08/24 – 03/25	State of Louisiana, Department of Transportation and Development, Bayou Terrebonne Bridges, LA Highway 182, Houma, Louisiana (25303): This project included the removal and replacement of two bridges crossing Bayou Terrebonne along LA Highway 182 in Houma, Louisiana. The geotechnical exploration included four soil borings and one cone penetration test. Mr. Held assisted in the drilling of soil borings and supervised drill crews for the project.
06/21 – 01/22	State of Louisiana, Department of Transportation and Development (LaDOTD), I-10 Calcasieu River Bridge Project, Lake Charles, Louisiana (24584): Mr. Held supervised all drilling operations on this project, which comprised 24, 100-ft borings (75% over land and 25% in marsh). Laboratory testing of samples includes triaxial unconsolidated undrained tests, Atterberg limits, particle size analysis, moisture content, the test to establish the percent passing a U.S. Standard No. 200 mesh sieve, and consolidation with rebound. A geotechnical data report, boring log files, and test results were provided to the LaDOTD.
03/20 – 06/25	State of Louisiana, Department of Transportation and Development, I-10 and I-12 College Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana (B0646): Major features of this project include a flyover ramp exit to College Drive, a modified exit from I-12 West, and a parallel, separated at-grade ramp along I-10 West to the existing College Drive Interchange. Services for this project included undisturbed borings, auger borings, and cone penetration tests. Eustis Engineering also provided laboratory testing including Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests. Design services were provided for seven different major project features. Geotechnical design project features include driven pile and drill shaft foundation design, slope stability analyses, embankment evaluations, roadway pavement design, and

	developing load test programs. Mr. Held's responsibilities for this project included supervision of all drilling operations which included 1,080 feet of undisturbed borings, 500 feet of cone penetration tests, and 136 feet of roadway borings. The deep borings were made to depths of 50 to 160 feet below grade.
03/12 – 07/16	State of Louisiana - Peters Road Project, Jefferson and Plaquemines Parishes, Louisiana (21750, .01, .02): Mr. Held assisted in the drilling of soil borings and supervised drill crews for the various phases of the project. Borings depths varied between 8 and 150 feet below existing grade. Borings were drilled using both truck and track-mounted equipment. This project comprised 3.64 miles of roadway with two, 12-ft travel lanes as well as 8-ft shoulders along the edge of the roadway.

(Add rows as needed)

16. Staff Experience:

Firm employed by	Eustis Engineering L.L.C.			
Name	**Lawrence W. Rome, C.E.T.**		Years of relevant experience with this employer	30
Title	Operations Manager and VP of Operations		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			Associate's Degree / 1998 / Applied Sciences	
Active registration number / state / expiration date			Water Well Contractor / Louisiana / 06-30-2026	
Year registered	2011	Discipline	Geotechnical Field Services	
Contract role(s) / brief description of responsibilities			Mr. Rome meets MPR No. 7. He has more than 10 years of experience as a field crew driller/supervisor within the State of Louisiana. As Operations Manager, the laboratory manager also reports to him. Mr. Rome's certifications for field and laboratory services are as follows: American Society of Certified Engineering Technicians Confined Space Entry Certification Greater New Orleans Industrial Education Council Safety Training Medic First Aid and CPR Course 2015 HAZMAT Certification, 49 CFR 172, Subpart H, Nuclear Gauges International Code Council: Soils Special Inspector NICET Certification No. 95800: Geotechnical Engineering Technology – Construction, Level II Geotechnical Engineering Technology – Generalist, Level III Geotechnical Engineering Technology – Exploration, Level IV Geotechnical Engineering Technology – Laboratory, Level IV Construction Materials Testing – Asphalt, Level I Construction Materials Testing – Concrete, Level II Construction Materials Testing – Soils, Level IV Transportation Engineering Technology - Highway Materials, Level III 10-Hour OSHA Training Transportation Workers Identification Card (TWIC)	

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).
01/21 – Ongoing	State of Louisiana, Department of Transportation and Development (LaDOTD), Bayou Barataria Bridge, Jefferson Parish, Louisiana (24515.00-.03): For this full replacement of the Bayou Barataria Bridge, we obtained relevant permits and access and drilled 20 borings over water or marsh to depths of 100 to 200 feet below the mudline, and also performed 4 shallow pavement borings. As Operations Manager, Mr. Rome was responsible for ensuring the completeness of the field work order and utility clearances; schedule adjustments and coordination with the drilling supervisor, subcontractors, and crews; and quality control over the field logs submitted to the laboratory. Between project authorization and mobilization of our crews,

	the area was impacted by Hurricane Ida that increased the urgency of the new bridge. The U.S. Army Corps of Engineers installed and operated a temporary bridge after the hurricane. However, this also impacted our access to the marine boring operations and required additional coordination efforts. Mr. Rome stepped up to this challenge and managed our efforts seamlessly.
05/21 – 01/22	State of Louisiana, Department of Transportation and Development (LaDOTD), I-10 Calcasieu River Bridge Project, Lake Charles, Louisiana (24584): This project comprised 24, 100-ft borings (75% over land and 25% in marsh). Mr. Rome's duties included review of the project schedule with the Project Manager, schedule adjustments for the field crews, ensuring changes in field scope were communicated to the drilling supervisor and field crews, and overall quality control of the field services. He also coordinated with the third party providing equipment for access to the borings made in a marsh environment.
12/24 – 05/25	State of Louisiana, Department of Transportation and Development, Bayou Macon Bridge Replacement, U.S. Highway 80, Delhi, Louisiana (25396): The LaDOTD planned to replace the Bayou Macon Bridge near Delhi in Richland Parish, Louisiana. Eustis Engineering L.L.C. performed five soil borings to depths of 120 feet, four borings performed on land adjacent to the bridge abutments and one boring performed within Bayou Macon adjacent to the bridge. Soil mechanics laboratory tests were performed on selected representative samples to aid in classification of the subsoils and to give an indication of their relative strength and compressibility. Mr. Rome visited the project site and managed field operations. He also coordinated the subcontracted services for the marine boring.
03/11 – 08/16	State of Louisiana - Wisner Boulevard Overpass, Orleans Parish, Louisiana (22972, 22637, 21349, 21966): Eustis Engineering was involved with several phases of the Wisner Boulevard Overpass project. Initial involvement began in 2011 with the performance of 12 soil borings (each 100 feet in depth) for the proposed widening of the existing bridge under State Project No. H.004732.5. Thirteen soil borings were added to the project in 2012 when a full replacement was being considered. Mr. Rome dedicated many hours to both exploration phases for this project.
08/06 – 12/14	State of Louisiana - Huey P. Long Bridge Widening, Route U.S. Highway 90, West Bank and East Bank Approaches and Main Bridge Deck Widening, Jefferson Parish, Louisiana (18530, 19483, 20262): In 2005, Eustis Engineering performed the geotechnical engineering analyses with Modjeski and Masters, Inc. associated with the design of the bridge approaches, Phase I of the bridge widening project. The basis of these analyses was soil borings conducted earlier by Eustis Engineering through an IDIQ with the LaDOTD. In 2006 and 2007, Eustis Engineering provided support to Modjeski and Masters and Louisiana TIMED Managers during railroad modifications completed as Phase II of the project. Using the results of static and dynamic load tests in addition to the results of our previous investigations, Eustis Engineering provided recommended pile order lengths for piles on the east and west banks to be installed for Phase II. Beginning in June 2008, Eustis Engineering began providing support services during Phase IV of the widening project. Additional design services included the evaluation of drilled shafts to support the bridge end bents. Eustis Engineering participated in progress meetings and partnering meetings, periodic site visits, and other requested services during construction of the final project phase. Mr. Rome was heavily involved in the field work during the exploration phase of this effort as well as the laboratory testing services.

(Add rows as needed)

16. Staff Experience:

Firm employed by	Eustis Engineering L.L.C.			
Name	**Ryan A. Rodrigue**		Years of relevant experience with this employer	22
Title	Laboratory Manager		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			High School / 1998 / General Studies	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			As a laboratory manager with more than 5 years of geotechnical experience, Mr. Rodrigue meets MPR No. 6 in this Advertisement. His certifications are as follows: ACI: Concrete Strength Testing Technician ACI: Concrete Laboratory Testing Technician, Level 1 ACI: Aggregate Testing Technician, Level 1 ACI: Aggregate Base Testing Technician NICET Certification No. 111500: Geotechnical Engineering Technology - Level IV Construction Materials Testing – Soils, Level II	

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).
01/21 – Ongoing	State of Louisiana, Department of Transportation and Development (LaDOTD), Bayou Barataria Bridge, Jefferson Parish, Louisiana (24515.00-.03): The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering L.L.C. obtained relevant permits and land access and drilled 24 borings over water, marsh, and pavement. As Laboratory Manager, Mr. Rodrigue provided scheduling and oversaw laboratory testing, data management, and quality assurance.
06/21 – 01/22	State of Louisiana, Department of Transportation and Development (LaDOTD), I-10 Calcasieu River Bridge Project, Lake Charles, Louisiana (24584): This project comprised 24, 100-ft borings (75% over land and 25% in marsh). Laboratory testing of samples includes triaxial unconsolidated undrained tests, Atterberg limits, particle size analysis, moisture content, the test to establish the percent passing a U.S. Standard No. 200 mesh sieve, and consolidation with rebound. A geotechnical data report, boring log files, and test results were provided to the client. Mr. Rodrigue oversaw laboratory testing and provided quality assurance review of laboratory data.
03/20 – 06/25	State of Louisiana, Department of Transportation and Development, I-10 and I-12 College Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana (B0646): Services for this project included undisturbed borings, auger borings, and cone penetration tests. Eustis Engineering also provided laboratory testing including Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests. Mr. Rodrigue was responsible for reviewing laboratory data reports and coordination with the project manager on the testing schedule to meet project needs.
06/18 – 11/18	Port of New Orleans - Almonaster Bridge Over the Inner Harbor Navigation Canal, New Orleans, Louisiana (22066, .01): Mr. Rodrigue oversaw laboratory testing and reviewed laboratory data for this project. Although this bridge is owned and operated by the Port of New Orleans, numerous stakeholders were considered for the design basis and data reporting. The

	testing and boring log format implemented for the project included LaDOTD standards for the borings made for the vehicular and railroad bridge. U.S. Army Corps of Engineers standards were considered where the new approach embankments intersected the existing flood protection. Finally, shallow borings for the approach roadways considered City of New Orleans, Department of Public Works standards.
01/18 – 04/21	State of Louisiana, Department of Transportation and Development (LaDOTD), Canal Boulevard Reconstruction, Robert E. Lee Boulevard to Amethyst Street, Orleans Parish, Louisiana (23726): The scope of work for this project included soil mechanics laboratory tests, inplace nuclear density tests, concrete inspections, compressive strength testing of concrete cylinders, and asphalt pavement cores at 172 locations to the approximate 12-in. depth. Mr. Rodrigue was responsible for overseeing laboratory testing and reviewing laboratory data.
05/17 – 06/24	State of Louisiana - Interstate 10, Williams Boulevard to Veterans Boulevard and Loyola Drive to Williams Boulevard, Jefferson Parish, Louisiana (21687.00 - .05): Eustis Engineering completed a total of 6,261 feet of undisturbed borings and 8,553 feet of cone penetration test soundings on this project. Engineering analyses included settlement estimates, slope stability analyses, development of a preload/surcharge program, and evaluation of construction sequencing. Mr. Rodrigue provided oversight of laboratory testing and reviewed laboratory data for inclusion in the gINT® database for reporting of logs in the LaDOTD format.

(Add rows as needed)

16. Staff Experience:

Firm employed by	Adaptive Management and Engineering, LLC; Baton Rouge, LA				
Name	**Venu Tammineni, P.E., LEED AP**		Years of relevant experience with this employer	5	
Title	Principal		Years of relevant experience with other employer(s)	15	
Degree(s) / Years / Specialization			Master of Science /2005/ Geotechnical Engineering		
Active registration number / state / expiration date			PE 36864/LA/9-30-2026 Traffic Control Technician/9-5-2027		
Year registered	2012	Discipline	Civil Engineering/Geotechnical		
Contract role(s) / brief description of responsibilities			Principal / Mr. Tammineni will direct and provide technical guidance to geotechnical investigation, laboratory work, and geotechnical engineering design.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
06/25 - ongoing	Bayou Grand Cane Bridge Replacement Project NO H.016093; Baton Rouge, LA: Mr. Tammineni is the AME geotechnical engineer for the proposed project that includes replacement of bridges at three locations located on route US 84 in District 04, 0.265 miles apart. Mr. Tammineni is coordinating all aspects of the project including, but not limited to preparation of the proposal for the project, discussion with the design team, and will be assigning laboratory tests, performing laboratory testing QA/QC, performing pavement analyses, and preparing the geotechnical report. Field exploration for the project is slated for the fourth quarter of 2025.
03/22 - 04/22	City of Patterson, Patterson 2022 Street Improvements; St. Mary Parish, LA: Mr. Tammineni provided pavement design recommendations for the proposed pavement improvements for various streets throughout the City of Patterson. Mr. Tammineni coordinated all aspects of the project including, but not limited preparation of the proposal for the project, discussion with the design team, assigning laboratory tests, laboratory testing QA/QC, performing pavement analyses, and preparing the geotechnical report.
01/18 - 02/18	City of Youngsville, Chemin Metairie Parkway and Détente Road Roundabout; Youngsville, LA: The City of Youngsville planned to construct a roundabout at the existing intersection of Chemin-Metairie Parkway and Détente Road. The roundabout will have a larger footprint than the intersection and will require installation of additional fill to match grades. Planned and executed field exploration and provided recommendations for rigid and flexible pavements for the project. (Experience with previous employer)
01/20 - 12/21	City of East Baton Rouge and Parish of East Baton Rouge, City-Parish Project NO. 20-CP-HC-0004; Baton Rouge, LA: Mr. Tammineni provided pavement design recommendations for the proposed pavement expansion for the Highland Road at Siegen Lane/Burbank Drive intersection. As a consultant to Fourrier & de Abreu Engineers, LLC (FDAE), Mr. Tammineni coordinated all aspects of the project including, but not limited preparation of the proposal for the project, discussion with the design team, obtaining DOTD permit, executing field exploration program, assigning laboratory tests, performing pavement analyses, and preparing the geotechnical report that has been reviewed and accepted by the design team.

Firm employed by	Adaptive Management and Engineering, LLC; Baton Rouge, LA			
Name	**Justin Ator, CET**		Years of relevant experience with this employer	4
Title	Laboratory Manager/Senior Technician		Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization			High School	
Active registration number / state / expiration date			NICET Geotechnical Level II: Laboratory (139594)/LA/2-1-2027	
Year registered	2015	Discipline	Geotechnical Laboratory Testing	
Contract role(s) / brief description of responsibilities			Laboratory Manager. Mr. Ator will oversee all laboratory testing and will perform specialized laboratory testing. He will provide data entry for lab testing, produce boring logs.	

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).
03/24- 06/24	H.001970-LA 561 Bridge Replacement over Boeuf River: Mr. Ator performed managed all testing for the project and performed numerous strength tests for the project. Additionally, he input the data into gINT and produced all lab reports for the project.
03/22 - 04/22	City of Patterson, Patterson 2022 Street Improvements; St. Mary Parish, LA: Mr. Ator provided geotechnical laboratory testing and oversight for the project. He generated boring logs and performed QA/QC on all testing performed.
01/22 - 03/22	1,4Group, Inc Proposed Warehouse and Plant Facility; Ascension Parish, LA: Mr. Ator performed geotechnical laboratory testing and QA/QC for 8 soil borings and 15 CPTs. The project involved rigid and flexible pavement design for a proposed warehouse facility.
8/20 - 10/20	Flat Lake Sedimentation Study, St. Mary Parish, LA: Mr. Ator performed moisture content, density, Atterberg limits, fines content, hydrometer analysis, organics, column-settling and low-stress consolidation test.
08/19	Premier Geotech and Testing, LLC., Arbor Walk Subdivision; Walker, LA: Mr. Ator managed subconsultant laboratory testing of 72 soil samples for USCS classification, moisture content, density, Atterberg limits, and unconfined compressive strength.
05/19 - 06/19	Weeks Marine, Inc., Jack and Bore for Dredge Pipeline and Booster Pump Stations; Cameron Parish, LA: Mr. Ator managed and performed laboratory testing for undisturbed samples including USCS classification, moisture content, density, Atterberg limits, fines content, hydrometer analysis, and unconsolidated-undrained triaxial shear strength.
6/18 - 8/18	Bayou Long Pump Station, Atchafalaya Basin, LA: Mr. Ator performed field investigation, transported soil samples to the laboratory, completed extrusions and performed moisture content, density, Atterberg limits, fines content, hydrometer analysis, and unconsolidated-undrained triaxial shear strength on samples assigned by the project engineer.

Firm employed by Adaptive Management and Engineering, LLC; Baton Rouge, LA			
Name	**Michael McKinney, Jr., WWC**	Years of relevant experience with this employer	5
Title	Operations Manager/Driller	Years of relevant experience with other employer(s)	20

Degree(s) / Years / Specialization	High School
Active registration number / state / expiration date	Water Well Contractor #867/LA/6-30-2026 Traffic Control Supervisor/LA/9-8-2027 Flagger/LA/10-20-2027
Year registered 2012 Discipline	Geotechnical Field Services
Contract role(s) / brief description of responsibilities	Field Services Manager/Mr. McKinney is a Water Well Contractor who will drill, and/or coordinate all field exploration. He also serves as a safety manager and Traffic Control Supervisor.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/22 - 04/22	City of Patterson, Patterson 2022 Street Improvements; St. Mary Parish, LA: Mr. McKinney coordinated drilling and all field exploration services for the project. He oversaw the completion of 8 roadway soil borings and assisted with lab testing for the project.
01/20 - 12/21	City of East Baton Rouge and Parish of East Baton Rouge, City-Parish Project NO. 20-CP-HC-0004; Baton Rouge, LA: Mr. McKinney coordinated and oversaw the field exploration for the project. Temporary lane closures had to be made for the completion of soil borings in the roadway. All field exploration was completed per MoveBR standards.
06/16 - 09/16	Lake Charles, LA Pavement Improvement; Calcasieu Parish, Louisiana: Served as the senior driller for multiple parish highways and roads. He coordinated drill rig and other equipment mobilization, drilled, and sampled various highways and pavement types throughout Calcasieu Parish. Mr. McKinney oversaw the coring and measurement of asphalt, concrete, and base material. After knowing the pavement and base course dimensions, he completed drilling and soil sampling those locations, patching the road back after completion as per LADOTD requirements. All field explorations were completed in accordance with LA DOTD standards. (Experience with previous employer)
11/16 - 12/16	I-49 future Corridor Overpass Expansion Project DOTD; New Iberia Parish, Louisiana: Worked as senior driller for the geotechnical investigation for the I-49 expansion and overpass. Mr. McKinney completed geotechnical sampling for deep foundations and overpass construction. All field explorations were completed in accordance with LA DOTD standards. (Experience with previous employer)
04/14 - 05/14	HWY 10 Bridge for DOTD, St. Francisville, Louisiana: Senior Driller for a Bridge replacement site. Mr. McKinney assisted with the mobilization, drilling, and soil sampling for four 100' soil borings. He oversaw the coring and measurement of asphalt, concrete, and base material. After pavement and base course dimensions were selected, he completed drilling and soil sampling those locations, patching the road back after completion as per LADOTD requirements. All field explorations were completed in accordance with LA DOTD standards. (Experience with previous employer)

Firm employed by	Adaptive Management and Engineering, LLC; Baton Rouge, LA			
Name	**Trace McBride**		Years of relevant experience with this employer	2
Title	Field Technican/Inspector/Lab Technicican		Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization			High School	
Active registration number / state / expiration date			ACI/LA/9-22-2028 Flagger/LA/10-20-2027	
Year registered	2023	Discipline	Geotechnical Laboratory Testing	
Contract role(s) / brief description of responsibilities			Field Technician/Inspector / Mr. McBride will provide field assistance as needed for geotechnical and construction related services.	

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).
05/23 – 10/24	NRCS, PO-75 Labranche Marsh Creation Project; St. Charles Parish, LA: Mr. McBride provided assistance installing and inspecting geotechnical field instrumentation for the construction off the project earthen containment dikes. He will serve as a field inspector once the project goes to the dredge material placement phase.
06/23 - 08/23	Lakey, Inc, Comite River Diversion Channel – Reach 4 Slope Stability and Seepage Study; East Baton Rouge Parish, LA: Mr. McBride served as the field technician for the field exploration of the channel, which included performing 2 soil borings to 50 feet below ground surface.
01/23 – 03/23	Confidential Client, Effluent Pipeline Replacement, Ascension Parish, LA: Mr. McBride was a field inspector during the construction phase of the project. He was onsite to observe construction, nearby water levels, and ground settlement as a jack and bore underneath a railway was performed.

17. Firm Experience:

Firm name	Eustis Engineering L.L.C.		Discipline(s)*	Geotech	
Project name	**Bayou Barataria Bridge**			Firm responsibility (prime or sub?)	Prime
Project number	H.004420.5/H.015028.6	Owner's name	LaDOTD		
Project location	Jefferson Parish, Louisiana		Owner's Project Manager	Kristy Smith	
Owner's address, phone, email	5080 Florida Boulevard, Baton Rouge, Louisiana, 70806, 225-929-9133, kristy.smith2@la.gov				
Services commenced by this firm (mm/yy)	01/2021		Total consultant contract cost ($1,000's)	Unknown	
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000's)	$905 (to date)	

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

The existing Bayou Barataria Bridge is being replaced with a new structure that will be 963 feet long and supported by 13 pile bents comprising square, precast concrete piles. An unequal arm swing span, 183 feet long, is proposed between Bents 6 and 8 to provide a horizontal channel clearance of 85 feet within Bayou Barataria. Mill and overlay of existing pavements along portions of LA Highways 45 and 3257 are planned. Portions of these highways will also be raised and widened, and approximately one mile of LA Highway 45 will be shifted 30 feet to the east into the marsh.

For the design of this project (H.004420.5), Eustis Engineering L.L.C. obtained the relevant Coastal Use Permits for the marsh as well as the roadway and marine locations. We also obtained necessary land access permissions. Drilling comprised 24 soil borings. Of these borings, 20 were drilled over marsh or water to depths ranging from 100 to 200 feet below the mudline. The remaining four borings were drilled to depths of 20 feet through existing pavements to evaluate proposed drainage structures and provide recommendations for mill and overlay of existing pavement sections to be incorporated into the final design. Geotechnical design analyses included estimates of vertical pile load capacity, effects of scour on pile capacity, soil-pile interaction to evaluate lateral loads, and pile group settlement. Additional analyses were performed to evaluate ground settlement, settlement surcharge/remediation programs, retaining walls, slope stability, and pavement design. Deliverables included a geotechnical data report, a geotechnical design report, and an electronic boring log data file.

For the construction phase of this project (H.015028.6), Eustis Engineering is completing engineering during construction services as a prime to the LaDOTD and is also providing selected construction materials testing services as a subcontractor. We have completed a Wave Equation Analysis of Piles (WEAP) driveability study and are performing dynamic pile testing on the monitor piles and selected job piles. We have also developed and implemented a vibration monitoring plan and have reviewed surcharge operations to date. Testing services have included logging the installation of driven square, precast concrete piles.

Personnel involved with this project include Gwendolyn P. Sanders, P.E. (Principal), Travis R. Richards, P.E. (Testing Supervisor), Matthew K. Morales, P.E. (Project Engineer), Lawrence Rome (Drilling Supervisor), Eric Held (Drilling), and Ryan Rodrigue (Laboratory Manager).

17. Firm Experience:

Firm name	Eustis Engineering L.L.C.		Discipline(s)*	Geotech	
Project name	Bayou Terrebonne Bridges, LA Highway 182			Firm responsibility (prime or sub?)	Prime
Project number	H.011970.5	Owner's name	LaDOTD		
Project location	Houma (Terrebonne Parish), Louisiana		Owner's Project Manager	Kristy H. Smith, P.E.	
Owner's address, phone, email	5080 Florida Boulevard, Baton Rouge, Louisiana, 70806, 225-929-9133, kristy.smith2@la.gov				
Services commenced by this firm (mm/yy)	08/24	Total consultant contract cost ($1,000's)		Unknown	
Services completed by this firm (mm/yy)	03/25	Cost of consultant services provided by this firm ($1,000's)		$79.1	

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

The State of Louisiana, Department of Transportation and Development (LaDOTD) is planning to remove and replace two bridges crossing Bayou Terrebonne along LA Highway 182 in Houma, Louisiana. Five soil borings were requested by the LaDOTD for a geotechnical exploration.

Site 1 was the Barrow Street bridge and Site 2 was the New Orleans Boulevard bridge. The LaDOTD requested Eustis Engineering L.L.C. drill two borings at Site 1, with one boring at each abutment, both to depths of 130 feet below grade. Three borings were proposed at Site 2, with two borings to depths of 130 feet at each abutment and one boring to a depth of 120 feet through the existing bridge deck. During the permitting phase, the LaDOTD Structural Engineering Department requested that the bottom rebar of the bridge deck not be cut while performing the core. Eustis Engineering subcontracted Ground Penetrating Radar Systems, LLC (GPRS) to perform ground penetrating radar (GPR) to aid in locating the rebar. The GPR revealed that the rebar spacing was about 5 inches on center, which prevented setting the 5-in. diameter casing required to perform the boring. Therefore, after discussions with the LaDOTD, one cone penetration test (CPT) was used to replace the boring since its casing was about 3 inches in diameter and could fit between the bridge deck rebar. The CPT was performed to 118.8 feet below existing mudline, where it encountered refusal. The CPT was performed in general accordance with the methods and procedures outlines in ASTM D5778. The locations and elevations of the soil borings and CPT were surveyed by T. Baker Smith, LLC.

Soil mechanics laboratory tests, consisting of natural water content, Atterberg liquid limits (ASTM D4318) and plastic limits (ASTM D4318), and one-point unconsolidated undrained triaxial compression shear (ASTM D2850), were performed on selected representative samples to aid in classification of the subsoils and to give an indication of their relative strength and compressibility. In addition, the tests to establish the percent passing a U.S. Standard No. 200 mesh sieve (ASTM D1140) were performed on samples selected by Eustis Engineering to establish particle sizes of the more granular deposits. A data report was issued transmitting a summary of the exploration along with the logs of the soil borings and CPT in the LaDOTD format.

Personnel involved with this project include Gwendolyn P. Sanders, P.E. (Principal), Chad D. Roe, P.E. (Project Manager), Travis R. Richards, P.E. (Testing Supervisor), Eric Held (Drilling), and Lawrence Rome (Drilling Supervisor).

17. Firm Experience:

Firm name	Eustis Engineering L.L.C.		Discipline(s)*	Geotech	
Project name	**I-10 Calcasieu River Bridge Project**			Firm responsibility (prime or sub?)	Prime
Project number	H.003931.5	Owner's name	LaDOTD		
Project location	Lake Charles, Louisiana		Owner's Project Manager	Kristy Smith	
Owner's address, phone, email	5080 Florida Boulevard, Baton Rouge, Louisiana, 70806, 225-929-9133, kristy.smith2@la.gov				
Services commenced by this firm (mm/yy)	06/21		Total consultant contract cost ($1,000's)	Unknown	
Services completed by this firm (mm/yy)	01/22		Cost of consultant services provided by this firm ($1,000's)	$317	

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

This project comprised a field exploration and laboratory test program for selected portions of the proposed bridge alignment for the I-10 Calcasieu River Bridge Project in Lake Charles, Louisiana. The primary purpose of the project was to improve congestion and address safety and design issues.

For this project Eustis Engineering L.L.C. performed a total of 24 undisturbed type soil borings, each drilled with a mud rotary-type drill rig mounted on either a truck, track, or marsh buggy. ***Approximately 75% of the borings were over land (routine) and 25% were in marsh (non-routine).*** These borings were all intended to be drilled to 100 feet below the existing ground surface. However, one boring was terminated prior to reaching the 100-ft depth due to a discrepancy with railroad right-of-way access.

We transported the collected soil samples to our accredited laboratory where soil mechanics laboratory tests were performed. These test results were used to evaluate the physical properties of the subsoils. Laboratory testing consisted of natural water content, Atterberg liquid and plastic limits, the test establishing the percent passing a U.S. Standard No. 200 mesh sieve, and one-point unconsolidated undrained triaxial compression shear. Grain size sieve analyses were also performed on select representative samples to determine their particle size distribution. Additionally, consolidation tests were performed on selected samples to evaluate the stress history of the deposits.

The LaDOTD was provided with a geotechnical data report with boring logs and laboratory test results. We also provided an electronic boring log data file. We completed our services ahead of schedule and under the allocated task order funding.

Gwendolyn P. Sanders, P.E., was a principal on this project. Travis R. Richards, P.E., oversaw the testing, Ryan Rodrigue was laboratory manager, and Larry Rome oversaw the drilling.

17. Firm Experience:

Firm name	Eustis Engineering L.L.C.		Discipline(s)*	Geotech	
Project name	**US80 Bayou Macon Bridge Replacement**			Firm responsibility (prime or sub?)	Prime
Project number	H.015909.5	Owner's name	LaDOTD		
Project location	Delhi, Louisiana		Owner's Project Manager	Kristy Smith	
Owner's address, phone, email	5080 Florida Boulevard, Baton Rouge, Louisiana, 70806, 225-929-9133, kristy.smith2@la.gov				
Services commenced by this firm (mm/yy)	12/24		Total consultant contract cost ($1,000's)		Unknown
Services completed by this firm (mm/yy)	5/25		Cost of consultant services provided by this firm ($1,000's)		$92 (to date)

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

The LaDOTD planned to replace the Bayou Macon Bridge near Delhi in Richland Parish, Louisiana. Eustis Engineering L.L.C. initially planned to perform soil borings through the roadway and existing Bayou Macon Bridge; however, during the permitting phase, the LaDOTD Structural Engineering Department requested no cores or borings be performed through the bridge due to its condition. After coordinating with the LaDOTD Geotechnical Department, we developed a new boring plan that included one marine boring and relocated the borings at the approaches to eliminate the need for traffic control and lane closures

Eustis Engineering performed five soil borings with four borings performed on land adjacent to the bridge abutments and one boring performed within Bayou Macon adjacent to the bridge. All the borings were drilled to a depth of 120 feet. All samples were transported to Eustis Engineering's laboratory in Metairie, Louisiana, where they were tested. Soil mechanics laboratory tests, consisting of natural water content (ASTM D2216), Atterberg liquid limits (ASTM D4318) and plastic limits (ASTM D4318), and one-point unconsolidated undrained triaxial compression shear (ASTM D2850), were performed on selected representative samples to aid in classification of the subsoils and to give an indication of their relative strength and compressibility. In addition, the percent passing a U.S. Standard No. 200 mesh sieve (ASTM D1140) and particle size tests (ASTM D6913) were performed on samples selected by Eustis Engineering.

A final data report was prepared outlining the laboratory test results, site observations, subgrade stratigraphy, and estimates of groundwater conditions. Boring logs in the LaDOTD format were transmitted as part of this report.

Personnel involved with this project include Gwendolyn P. Sanders, P.E. (Principal), Chad D. Roe, P.E. (Project Manager), Travis R. Richards, P.E. (Testing Quality Control), and Lawrence Rome (Drilling Supervisor).

17. Firm Experience:

Firm name	Eustis Engineering L.L.C.		Discipline(s)*	Geotech	
Project name	Coulee Ile Des Cannes Bridge, LA Highway 93			Firm responsibility (prime or sub?)	Prime
Project number	H.013537.5	Owner's name	LaDOTD		
Project location	Lafayette, Louisiana		Owner's Project Manager	Kristy Smith	
Owner's address, phone, email	5080 Florida Boulevard, Baton Rouge, Louisiana, 70806, 225-929-9133, kristy.smith2@la.gov				
Services commenced by this firm (mm/yy)	08/24		Total consultant contract cost ($1,000's)	Unknown	
Services completed by this firm (mm/yy)	01/25		Cost of consultant services provided by this firm ($1,000's)	$20	

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

Eustis Engineering L.L.C. performed a geotechnical exploration for the Coulee Ile Des Cannes Bridge Project in Lafayette, Louisiana. The project will entail the construction of a new box culvert where the coulee crosses LA Highway 93. Eustis Engineering drilled one soil boring to the 110-ft depth using a truck-mounted rotary-type drill rig. The initial designated location of the boring was set within a travel lane on LA Highway 93, which would have required significant traffic control for this two-lane road near the entrance to Acadiana High School. Eustis Engineering was approved to relocate the boring to the roadway shoulder to minimize impacts to traffic for the adjacent school, thus limiting the need for traffic control and increasing the safety for our crew and the traveling public.

Undisturbed samples of cohesive or semi-cohesive subsoils were obtained continuously to the 20-ft depth and at 5-ft intervals thereafter in cohesive or semi-cohesive subsoils. Undisturbed sampling of cohesive soils was performed using a 3-in. outside diameter thinwall Shelby tube sampler in general accordance with ASTM D1587. The samples obtained continuously to the 20-ft depth were capped and sealed in their respective Shelby tubes for extrusion in Eustis Engineering's laboratory. The samples obtained after the 20-ft depth were extruded in the field, inspected and visually classified by Eustis Engineering's soil technician, and representative samples were sealed for preservation of their natural moisture content. Samples of cohesionless and semi-cohesive materials were obtained during the performance of in-situ Standard Penetration Tests (SPTs). SPT sampling was performed in 3-ft intervals in primarily granular subsoils after the 40-ft depth to the boring's termination depth. All samples were transported to Eustis Engineering's laboratory in Metairie, Louisiana, where they were tested.

Soil mechanics laboratory tests, consisting of natural water content, Atterberg liquid limits (ASTM D4318) and plastic limits (ASTM D4318), and one-point unconsolidated undrained triaxial compression shear (ASTM D2850), were performed on selected representative samples to aid in classification of the subsoils and to give an indication of their relative strength and compressibility. In addition, the percent passing a U.S. Standard No. 200 mesh sieve (ASTM D1140) and full grain sieve tests (ASTM D6913) were performed on samples selected by Eustis Engineering to establish particle sizes of the more granular deposits.

Incremental consolidation (ASTM D2435) tests were performed on samples selected by Eustis Engineering from the boring. The results of the field exploration and laboratory testing were published in a geotechnical data report for the project. The boring log was provided in the LaDOTD format which includes the SPT auto hammer energy transfer ratio (ETR). Furthermore, the task order was completed on schedule and within budget.

Personnel involved with this project include Gwendolyn P. Sanders, P.E. (Principal), Chad D. Roe, P.E. (Project Manager), Travis R. Richards, P.E. (Testing Quality Control), and Lawrence Rome (Drilling Supervisor).

17. Firm Experience:

Firm name	Adaptive Management and Engineering, LLC		Discipline(s)*	Geotech	
Project name	**LA 561 Bridge Replacement over Boeuf River near Herbert**			Firm responsibility (prime or sub?)	Sub
Project number	H.001970	Owner's name	LADOTD		
Project location	Baton Rouge, LA		Owner's Project Manager	Larry Sant, P.E. (GeoEngineers)	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802; LSant@geoengineers.com (Prime Contact)				
Services commenced by this firm (mm/yy)	03/24		Total consultant contract cost ($1,000's)	N/A	
Services completed by this firm (mm/yy)	06/24		Cost of consultant services provided by this firm ($1,000's)	$25	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

The Louisiana Department of Transportation and Development (LADOTD) is performing engineering and design for the replacement of the Route LA 561 bridge over the Boeuf River in Herbert, Louisiana. GeoEngineers was requested to perform the geotechnical exploration and laboratory testing services. As part of the GeoEngineers team, AME is currently performing a full suite of laboratory testing services for the project, per DOTD requirements.

Justin Ator and Stephannie Campbell are overseeing the testing and QA/QC for the project. A laboratory summary will be provided for LADOTD after overall review from Mr. Mattson and Mr. Tammineni.

Geotechnical Laboratory Testing

- Standard Classification of Soils in general accordance with ASTM International (ASTM) D2488 up to 200 samples
- Gradation of soils (ASTM D422) up to 200 samples
- Moisture content determination (ASTM D2216) up to 50 samples
- Atterberg limits determination (ASTM D4318) up to 150 samples
- Compressive strength determination (ASTM D2166/D2850) up to 150 samples
- Consolidation Test with rebound (ASTM D2435) up to 8 samples; and
- Specific gravity (ASTM D792) up to 8 samples
- QA/QC of laboratory data
- Lab summary of results

This project was completed on time and within budget.

Firm name	Adaptive Management and Engineering, LLC		Discipline(s)*	Geotech	
Project name	**Various Projects as Sub on LADOTD IDIQ for Geotechnical Services**		Firm responsibility (prime or sub?)	sub	
Project number	Varies	Owner's name	LaDOTD		
Project location	Baton Rouge, LA		Owner's Project Manager	Varies	
Owner's address, phone, email	LaDOTD				
Services commenced by this firm (mm/yy)	Varies	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	Varies	Cost of consultant services provided by this firm ($1,000's)		Varies	

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

AME is a subconsultant to ECS, GeoEngineers, and Eustis on the current LADOTD Geotechnical Statewide IDIQ contract with the State of Louisiana. AME has received testing or has assisted with proposals on the following projects listed below:

- LA394 & LA110 Creek Bridges (Completed - $4k)
- LA 1 Port Allen Canal (Completed - $12K)
- Savanne Road over Hanson Canal (Completed - $6K)
- H.014416-LA 3125 @ LA 3274 Roundabout (Completed - $6K)
- H.014981-Hosston Road Over Kelly Bayou (Proposed)
- H.014989- Neff Lane Over Wind Creek (Proposed)

Geotechnical Laboratory Testing

- Sample extrusions and storage
- Standard Classification of Soils in general accordance with ASTM International (ASTM) D2488
- Gradation of soils (ASTM D422)
- Moisture content determination (ASTM D2216)
- Atterberg limits determination (ASTM D4318)
- Compressive strength determination (ASTM D2166/D2850)
- Consolidation Test with rebound (ASTM D2435)
- Specific gravity (ASTM D792)
- QA/QC of laboratory data – Performed by Mr. Ator
- Laboratory summary of results – Reviewed by Mr. Tammineni

18. Approach and Methodology:

Eustis Engineering L.L.C. is a 79-year-old, small business, geotechnical engineering firm registered with the Louisiana Professional Engineering and Land Surveying (LAPELS) Board under License No. EF.0003558. We are headquartered in Metairie, Louisiana, with other Louisiana offices in Baton Rouge and Lafayette. Contract administration will be managed by our Metairie office; however, individual task orders under this contract will be managed by our office closest to the project site.

Firm Experience on Similar Projects: Since our founding in 1946, Eustis Engineering has completed over 30,000 projects, nearly 75% of which were specifically related to geotechnical drilling and analyses. In 2024, we worked on approximately 385 projects. Below is a summary of the project size versus number of projects, indicating our company's ability to handle projects in a variety of sizes.

Project Size (Eustis' Fees)	Number of Projects	Project Size (Eustis' Fees)	Number of Projects
$0 - $2,500	97	$25,000 - $50,000	44
$2,500 - $5,000	35	$50,000 - $100,000	27
$5,000 - $10,000	60	$100,000 - $500,000	27
$10,000 - $25,000	87	> $500,000	8

Through July, Eustis Engineering has been retained on 188 new projects for the year 2025. Approximately 14% of these projects are managed out of our Baton Rouge office. We are confident that we will have no issue handling work under this contract.

Past Performance on Similar DOTD Projects: Over the past three quarters of a century, Eustis Engineering has worked on over 380 State of Louisiana, Department of Transportation and Development (LaDOTD) projects either as a prime or sub-consultant. These projects have varied in complexity from simply performing laboratory tests on a project to major interstate projects with multiple bridges including exploration, design, and construction phase services. See Item 17 for details of similar recent projects under our current IDIQ with the LaDOTD. Our performance on the current contract has been to meet contract deadlines.

Firm Size as Related to the Project Magnitude: Page 4 of your advertisement indicates the project complexity is relatively high with an anticipated maximum compensation of $8,000,000 over the next five years. Some of the larger LaDOTD bridge projects Eustis Engineering has undertaken include the I-10 and I-12 Flyover Ramp Design-Build Project at College Drive (S.P. No. H. 013897), the Wisner Boulevard Bridge Replacement (S.P. No. H.006196), and the Bayou Barataria Bridge (S.P. No. H.004420.5), just to name a few. Section 13 provides the minimum number of personnel that we will commit to this contract. Additional personnel can be assigned to meet demands of specific task orders. Award of this new contract would also allow for construction services that extend beyond the current contract for projects that may span multiple years.

Consultant's Staff Experience of Similar Projects: In addition to past LaDOTD projects, Eustis Engineering has worked for other state and federal entities as well as industrial and commercial clients to provide a broad range of services. We currently have similar IDIQ contracts for geotechnical and construction materials testing services with the State of Louisiana, Coastal Protection and Restoration Authority (CPRA); the U.S. Army Corps of Engineers (USACE); and the U.S. Department of the Interior, Fish and Wildlife Service. These contracts also vary in complexity and size. Our project scopes have included desktop studies, field investigations, laboratory testing, engineering design, construction monitoring, and geotechnical instrumentation. Some of these projects for the LaDOTD, and others with characteristics identified in Attachment A of this advertisement, can be found in Item 17 of this proposal.

Our professional engineers, as well as our registered engineering interns and geologists/geoscientists, have extensive experience with the geotechnical services listed in Attachment A of your advertisement. The engineering analyses and design expected under this contract are performed in house on a regular – if not a daily – basis by our staff: slope stability and settlement of embankments, pile/shaft foundations including the effects of scour, earth retaining structures (mechanically stabilized earth walls, sheetpiles, soldier pile and lagging), and culverts. Our team also performs and evaluates construction monitoring including test pile programs, integrity testing, dynamic pile testing, and signal matching verification as well as planning, installation, monitoring, and interpretation of geotechnical instrumentation. In particular, Eustis Engineering is experienced in performing all tasks involved in the geotechnical design according to AASHTO Load Resistance Factor Design requirements. We have extensive experience with dynamic pile testing and test pile programs, including Pile Driving Analyzer® (PDA) certifications of basic, intermediate, and master level.

In addition to PDA testers, we retain equipment to perform pile integrity tests (PIT), single hole and crosshole sonic logging (SSL and CSL), and a Thermal Integrity Profiler™ (TIP™). These tests have been conducted by our staff on driven piles, cast-in-place concrete piles, and drilled shafts to evaluate these data in conjunction with installation records or other testing to assess foundations.

Eustis Engineering also has extensive experience with geotechnical instrumentation: installation of vibrating wire devices (including piezometers, extensometers, settlement gauges, and strain gauges), settlement plates, conventional slope inclinometers or MEMS sensor array inclinometers; monitoring services for all instrumentation devices with geotechnical interpretation, and installation of data loggers for on-site or remote monitoring (remote monitoring requires cellular connection to provide near real-time web access).

Besides the engineering aspects of a project, Eustis Engineering is well versed in the soil conditions throughout the State of Louisiana. We are successful because we are methodological in the way we work. Upon award, a project is assigned to a project manager or senior project manager and his/her team, who remain on the project from beginning to end, as detailed in the sample schedule below. Except in rare cases, Eustis Engineering will perform our own field reconnaissance to know the site's conditions and what equipment will be needed to complete the field investigation.

We have drilled shallow and deep soil borings and have performed cone penetration tests (CPTs) on thousands of projects and with various site conditions (land, marsh, and riverine). Methodologies include wet/mud rotary, auger, and direct push with both field and laboratory extrusion. Our soil technicians have been trained by senior staff and laboratory personnel in classification of soils. Our laboratory personnel undergo extensive training daily to accurately classify the soils and perform an array of soil mechanics laboratory tests. Many of these same personnel have earned certifications through the National Institute for Certification in Engineering Technologies in the areas of Geotechnical (Civil) Engineering Technology, Construction Materials Testing, and Transportation Engineering Technology.

Proprietary Technologies, Methods or Approaches: Eustis Engineering retains anchors and winches along with master service agreements to facilitate geotechnical explorations within the Mississippi River. Our crews have completed multiple riverine soil borings and our operational approach to these efforts provides project efficiencies and experience that are unsurpassed.

Sample Schedule: Eustis Engineering is uniquely qualified to perform the geotechnical scope of work listed with this advertisement. Specifically, we offer the following sample schedule to ensure we fulfill the requirements and needs of the LaDOTD:

- Upon award, Eustis Engineering will assign a project manager (PM) to oversee all aspects of the geotechnical services. The PM's years of experience will be commensurate with the complexity of the project. This PM will provide milestone updates as each task within the project is completed. This will allow the LaDOTD to be up to date on each phase of the project.
- All subsurface exploration services will be performed by experienced personnel with field equipment owned by Eustis Engineering (unless specialized equipment is required) or by our subcontractor, Adaptive Management and Engineering, LLC (AME). We will adjust equipment and personnel to ensure project schedules and milestones can be achieved.
- Surveying services will be provided as a pass-through expense on a per-project basis.
- Laboratory testing will be performed by certified technicians to ensure the LaDOTD, ASTM, and AASHTO procedures are followed for all testing services.
- The PM will oversee a team to complete project deliverables including a geotechnical data report and/or geotechnical design report, as needed.
- In addition to design services, our teams can also provide construction monitoring services when acting as the geotechnical engineer of record. These construction phase services may include review, engineering analyses, and testing of pile foundations. Geotechnical instrumentation can also be planned, installed, monitored, and interpreted by our team to verify predicted behavior.

Minimum Accreditation Requirements: Both Eustis Engineering and AME are licensed water well drillers through the State of Louisiana, Department of Energy and Natural Resources. Additionally, both companies have the required AASHTO certifications for their respective laboratories. Copies of all certificates may be found in Section 20 of this submittal.

Work Zone Training Requirements: Under our current IDIQ, subsurface explorations have generally occurred away from active travel lanes. For subsurface explorations within clear zones, Eustis Engineering will use a third party such as Superior Traffic Control, LLC for equipment and personnel to meet safety requirements and/or renew our personnel certifications as necessary. We can also assign these task orders to our subconsultant, AME, with personnel certified as Traffic Control Supervisors (Michael McKinney, Jr. and Ryan Williamson) and Traffic Control Technicians (Gregory Mattson, II, and Ryan Williamson).

Surveying Portion of Solicitation: Since the surveying requirements for this work are minimal, we will pass through any surveying expenses on a per-project basis.

ADAPTIVE MANAGEMENT AND ENGINEERING, LLC

AME is an SEDBE, DBE, 8a certified, MBE, and Hudson Initiative firm located in Baton Rouge, Louisiana. Their LAPELS Board professional engineering firm license number is EF.0006701. AME provides geotechnical, instrumentation, construction monitoring, and coastal services to various public

and private sector clients. Their personnel have considerable experience working in the soft fine-grained soils of southern Louisiana including coastal, alluvial, and Pleistocene soils. They have two full-service AASHTO accredited geotechnical laboratories (Baton Rouge and Youngsville), offering full suite of laboratory soil testing services including, but not limited to, soil extruding, classification testing, strength testing, specialized testing (consolidation, permeability, miniature vane, and other tests), etc. AME's Baton Rouge laboratory is also Louisiana Environmental Laboratory Accreditation Program accredited.

AME has the required experience to provide geotechnical and construction services for roadway projects and are dedicated to improving transportation infrastructure by providing efficient, reliable, and innovative services including, but not limited to, the following: obtaining LaDOTD permits; geotechnical desktop studies and research for transportation projects (including reviewing existing geological survey and other available data for the project); assessing any data gaps and providing recommendations to the design team for further action; performing site exploration (soil borings, CPTs, hand auger, dynamic cone penetrometer, etc.) of soils on land and open water sites; obtaining, packaging, and transporting high-quality soil samples; completing traditional and specialized geotechnical laboratory testing; conducting stability analyses (slope stability, settlement, and bearing capacity); evaluating ground improvements and estimating strength gain in soils; providing flexible and rigid pavement designs; providing instrumentation and remote construction monitoring; performing analyses for deep and shallow foundations, slope stability, seepage, sheet pile wall, roadway design, and other geotechnical designs; and performing geotechnical and construction monitoring/testing services. These services will supplement and complement the services offered by Eustis Engineering.

Eustis Engineering appreciates the opportunity to submit our qualifications to the LaDOTD. We look forward to continuing our working relationship with the LaDOTD.

19. Workload:

Firm(s) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Eustis Engineering L.L.C.	CE&I/OV	DOTD S.P./Task Order No. H.015028.6. Boh Bros. Subcontract No. 23210-009. Boh Bros. Project No. 2321034. Work Order No. 23210-017	Louisiana, State of - Department of Transportation and Development, LA 302: Bayou Barataria Bridge Replacement, Phase 1, Jefferson Parish, Louisiana, Eustis Engineering Project No. 24515.02 (Construction materials testing services and vibration monitoring)	$15,000
Eustis Engineering L.L.C.	Geotech	DOTD S.P No. H.015028.6. Contract 4400019017, Task Order 03	Louisiana, State of - Department of Transportation and Development, LA 302: Bayou Barataria Bridge Replacement, Phase 1, Jefferson Parish, Louisiana, Eustis Engineering Project No. 24515.01 (Engineering During Construction including Dynamic Pile Testing)	$51,000
Eustis Engineering L.L.C.	CE&I/OV	LADOTD Contract No. 4400021740. S.P. No. H.004100.6. F.A.P. No. H004100. 11265001.000 I-10 CMAR	Louisiana, State of - Department of Transportation and Development, I-10: LA Highway 415 to Essen Lane on I-10 and I-12, Phase I: West of Washington Street to Essen Lane, Phase I, Segment 01: West of Washington Street to Acadian Thruway, Route I-10, West and East Baton Rouge Parish, Louisiana, Eustis Engineering Project No. B0771 (Testing services for Volkert)	$14,000
Adaptive Management and Engineering, LLC	Geotech	H.016093	Bayou Grand Cane Bridge Replacement	$130,000

(Add rows as needed) DO NOT SUM

20. <u>Certifications/Licenses:</u>

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

Eustis Engineering L.L.C.

in

Metairie, 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

This certificate was generated on 08/13/2025 at 2:25 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

SCOPE OF AASHTO ACCREDITATION FOR:

Eustis Engineering L.L.C.

in Metairie, Louisiana, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	04/01/2000
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	01/10/2011
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/07/2012
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/07/2012
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	09/30/2011

This certificate was generated on 08/13/2025 at 2:25 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

Scope of AASHTO Accreditation for:

Eustis Engineering L.L.C.

in Metairie, Louisiana, USA

Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	12/03/2003
T88	Particle Size Analysis of Soils by Hydrometer	12/03/2003
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	12/03/2003
T90	Plastic Limit of Soils (Atterberg Limits)	12/03/2003
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	12/03/2003
T100	Specific Gravity of Soils	12/03/2003
T134	Moisture-Density Relations of Soil-Cement Mixtures	09/30/2011
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	12/03/2003
T208	Unconfined Compressive Strength of Cohesive Soil	12/03/2003
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	12/03/2003
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	12/03/2003
T265	Laboratory Determination of Moisture Content of Soils	12/03/2003
T267	Determination of Organic Content in Soils by Loss on Ignition	12/03/2003
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	12/03/2003
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	12/03/2003
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	12/03/2003
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	12/03/2003
D422	Particle Size Analysis of Soils by Hydrometer	12/03/2003
D558	Moisture-Density Relations of Soil-Cement Mixtures	09/30/2011
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	12/03/2003
D854	Specific Gravity of Soils	12/03/2003
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	12/03/2003
D1556	Density of Soil In-Place by the Sand Cone Method	05/20/2016

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Scope of AASHTO Accreditation for:

Eustis Engineering L.L.C.

in Metairie, Louisiana, USA

Soil (Continued)

Standard:	Accredited Since:
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	12/03/2003
D2166 Unconfined Compressive Strength of Cohesive Soil	12/03/2003
D2216 Laboratory Determination of Moisture Content of Soils	12/03/2003
D2434 Permeability of Granular Soils (Constant Head)	07/22/2025
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	12/03/2003
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	12/03/2003
D2488 Description and Identification of Soils (Visual-Manual Procedure)	12/03/2003
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	12/03/2003
D2974 Determination of Organic Content in Soils by Loss on Ignition	12/03/2003
D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions	12/03/2003
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	12/03/2003
D4318 Plastic Limit of Soils (Atterberg Limits)	12/03/2003
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	12/31/2013
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	12/03/2003
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	07/22/2025
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	05/20/2016
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	12/03/2003
D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	09/14/2018

SCOPE OF AASHTO ACCREDITATION FOR:

Eustis Engineering L.L.C.

in Metairie, Louisiana, USA

Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	04/04/2023
R90	Sampling Aggregate	04/04/2023
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	04/04/2023
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	04/04/2023
T21	Organic Impurities in Fine Aggregates for Concrete	04/04/2023
T27	Sieve Analysis of Fine and Coarse Aggregates	04/04/2023
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	04/04/2023
T85	Specific Gravity and Absorption of Coarse Aggregate	04/04/2023
T255	Total Moisture Content of Aggregate by Drying	04/04/2023
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	06/05/2017
C40	Organic Impurities in Fine Aggregates for Concrete	04/01/2000
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	04/01/2000
C127	Specific Gravity and Absorption of Coarse Aggregate	04/01/2000
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	04/01/2000
C136	Sieve Analysis of Fine and Coarse Aggregates	04/01/2000
C566	Total Moisture Content of Aggregate by Drying	04/01/2000
C702	Reducing Samples of Aggregate to Testing Size	04/01/2000
D75	Sampling Aggregate	06/05/2017

Scope of AASHTO Accreditation for:

Eustis Engineering L.L.C.

in Metairie, Louisiana, USA

Concrete

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/04/2023
R60	Sampling Freshly Mixed Concrete	04/04/2023
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	04/04/2023
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	04/04/2023
T22	Compressive Strength of Cylindrical Concrete Specimens	04/04/2023
T24	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	04/04/2023
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	04/04/2023
T119	Slump of Hydraulic Cement Concrete	04/04/2023
T121	Density (Unit Weight), Yield, and Air Content of Concrete	04/04/2023
T148	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	04/04/2023
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	04/04/2023
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	04/04/2023
T231 (6000 psi and below)	Capping Cylindrical Concrete Specimens	04/04/2023
T309	Temperature of Freshly Mixed Portland Cement Concrete	04/04/2023
T347	Slump Flow of Self-Consolidating Concrete	04/04/2023
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	06/05/2017
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	06/05/2017
C39	Compressive Strength of Cylindrical Concrete Specimens	04/01/2000
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	06/05/2017
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	06/05/2017
C138	Density (Unit Weight), Yield, and Air Content of Concrete	04/01/2000
C143	Slump of Hydraulic Cement Concrete	04/01/2000
C172	Sampling Freshly Mixed Concrete	04/01/2000

Scope of AASHTO Accreditation for:

Eustis Engineering L.L.C.

in Metairie, Louisiana, USA

Concrete (Continued)

Standard:		Accredited Since:
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	04/01/2000
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	06/05/2017
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	04/01/2000
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	05/07/2012
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	04/04/2023
C939	Flow of Grout for Preplaced-Aggregate Concrete (Flow Cone Method)	06/05/2017
C1064	Temperature of Freshly Mixed Portland Cement Concrete	04/01/2000
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	05/07/2012
C1611	Slump Flow of Self-Consolidating Concrete	06/05/2017
C1621	Passing Ability of Self-Consolidating Concrete by J-Ring	06/05/2017

Scope of AASHTO Accreditation for:

Eustis Engineering L.L.C.

in Metairie, Louisiana, USA

Masonry

Standard:		Accredited Since:
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/05/2017
C579	Compressive Strength of Chemical-Resistant Mortars, Grouts, Monolithic Surfacings, and Polymer Concretes	01/07/2020
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	06/10/2020
C780 (Annex 6 - Cubes)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cubes	01/10/2020
C1019	Sampling and Testing Grout	06/05/2017

AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

Eustis Engineering L.L.C.

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

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Scope of AASHTO Accreditation for:

Eustis Engineering L.L.C.

in Baton Rouge, Louisiana, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	10/13/2016
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/30/2025
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	11/27/2018
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	11/27/2018
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	11/27/2018
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	11/27/2018

Scope of AASHTO Accreditation for:

Eustis Engineering L.L.C.

in Baton Rouge, Louisiana, USA

Soil

Standard:	Accredited Since:
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	10/13/2016
D422 Particle Size Analysis of Soils by Hydrometer	10/13/2016
D558 Moisture-Density Relations of Soil-Cement Mixtures	10/13/2016
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	10/13/2016
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	10/13/2016
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	10/13/2016
D2216 Laboratory Determination of Moisture Content of Soils	10/13/2016
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	10/13/2016
D2488 Description and Identification of Soils (Visual-Manual Procedure)	10/13/2016
D2974 Determination of Organic Content in Soils by Loss on Ignition	10/13/2016
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	10/13/2016
D4318 Plastic Limit of Soils (Atterberg Limits)	10/13/2016
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	10/13/2016
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	10/13/2016
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	10/13/2016

Scope of AASHTO Accreditation for:

Eustis Engineering L.L.C.

in Baton Rouge, Louisiana, USA

Aggregate

Standard:	Accredited Since:
C29 Bulk Density ("Unit Weight") and Voids in Aggregate	10/13/2016
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	10/13/2016
C127 Specific Gravity and Absorption of Coarse Aggregate	10/13/2016
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	10/13/2016
C136 Sieve Analysis of Fine and Coarse Aggregates	01/30/2025
C566 Total Moisture Content of Aggregate by Drying	10/13/2016
C702 Reducing Samples of Aggregate to Testing Size	10/13/2016
D75 Sampling Aggregate	10/13/2016

Scope of AASHTO Accreditation for:

Eustis Engineering L.L.C.

in Baton Rouge, Louisiana, USA

Concrete

Standard:		Accredited Since:
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	10/04/2018
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	10/04/2018
C39	Compressive Strength of Cylindrical Concrete Specimens	10/04/2018
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	10/04/2018
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	10/04/2018
C138	Density (Unit Weight), Yield, and Air Content of Concrete	10/04/2018
C143	Slump of Hydraulic Cement Concrete	10/04/2018
C172	Sampling Freshly Mixed Concrete	10/04/2018
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	10/04/2018
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	10/04/2018
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/04/2018
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	08/09/2023
C939 (Pre-Mixed)	Flow of Grout for Preplaced-Aggregate Concrete (Flow Cone Method - Pre-Mixed Grout)	05/22/2020
C1064	Temperature of Freshly Mixed Portland Cement Concrete	10/04/2018
C1074	Estimating Concrete Strength by the Maturity Method	10/04/2018
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	10/04/2018
C1542	Measuring Length of Concrete Cores	10/04/2018
C1611	Slump Flow of Self-Consolidating Concrete	10/04/2018
C1621	Passing Ability of Self-Consolidating Concrete by J-Ring	10/04/2018

Scope of AASHTO Accreditation for:

Eustis Engineering L.L.C.

in Baton Rouge, Louisiana, USA

Masonry

Standard:		Accredited Since:
C140 (Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	10/04/2018
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	01/24/2019
C1019	Sampling and Testing Grout	01/24/2019
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	10/04/2018

AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

Adaptive Management and Engineering, 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.

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Jim Tymon,
AASHTO Executive Director

Matt Linneman,
AASHTO COMP Chair

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SCOPE OF AASHTO ACCREDITATION FOR:

Adaptive Management and Engineering, LLC

in Baton Rouge, Louisiana, USA

Quality Management System

Standard:	Accredited Since:
R18 Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	12/01/2021

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Scope of AASHTO Accreditation for:

Adaptive Management and Engineering, LLC

in Baton Rouge, Louisiana, USA

Soil

Standard:	Accredited Since:
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	12/01/2021
D422 Particle Size Analysis of Soils by Hydrometer	12/01/2021
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	12/01/2021
D854 Specific Gravity of Soils	12/01/2021
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	12/01/2021
D2166 Unconfined Compressive Strength of Cohesive Soil	12/01/2021
D2216 Laboratory Determination of Moisture Content of Soils	12/01/2021
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	12/01/2021
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	12/01/2021
D2488 Description and Identification of Soils (Visual-Manual Procedure)	12/01/2021
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	12/01/2021
D2974 Determination of Organic Content in Soils by Loss on Ignition	12/01/2021
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	12/01/2021
D4318 Plastic Limit of Soils (Atterberg Limits)	12/01/2021
D4546 One-Dimensional Swell or Settlement Potential of Cohesive Soils	12/01/2021
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	05/31/2024
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	12/01/2021
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	12/01/2021

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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

EUSTIS ENGINEERING, LLC

LARRY ROME

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 ***14th*** day of ***May*** , ***2025***

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

License No. WWC- ***# 267***

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Venu Tammineni

has attended

Louisiana Traffic Control Technician

Training Course

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

Baton Rouge, LA
Location

Vice President of Education and Technical Services

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Gregory Mattson II

has attended

Louisiana Traffic Control Technician

Training Course

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

Donna M. Clark
Vice President of Education and Technical Services

Baton Rouge, LA
Location

Alan Tetschner
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Michael McKinney

has attended

Louisiana Traffic Control Supervisor Refresher

Training Course

9/8/2023 to 9/8/2027
Training Valid Through

Baton Rouge, LA
Location

Vice President of Education and Technical Services

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA
SAFER ROADS SAVE LIVES

American Traffic Safety Services Association

This is to affirm that

TRACE MCBRIDE

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 2/14/2024

Exp. Date 2/14/2028

State Issued LA

Debbie Purcella
Instructor Name

Debbie Purcella
Instructor Signature

V0000288517

Verify at Flagger.com

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**
Adaptive Management and Engineering, LLC	9131 Amber Dr. Baton Rouge, LA 70809	Venu Tammineni, P.E.	1-225-424-7869

(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**.